

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\  
 Data File : VN060866.D  
 Acq On : 6 Apr 2020 20:51  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 4/7/2020 3:21:51 PM

Quant Time: Apr 07 08:59:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 181543   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 310789   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 287221   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 139611   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 131177   | 52.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.28% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 97821    | 52.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.10% |      |
| 50) Toluene-d8            | 10.08  | 98  | 382331   | 49.81 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.62%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 143103   | 50.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.74% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 76673   | 43.649  | ug/l | 100    |
| 3) Chloromethane              | 2.04 | 50  | 147766  | 45.041  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.17 | 62  | 116238  | 45.298  | ug/l | 100    |
| 5) Bromomethane               | 2.54 | 94  | 57511   | 51.918  | ug/l | 100    |
| 6) Chloroethane               | 2.69 | 64  | 73708   | 49.864  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 152477  | 48.237  | ug/l | 100    |
| 8) Diethyl Ether              | 3.38 | 74  | 67184   | 52.908  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 90029   | 49.152  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 71619   | 43.943  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 99279   | 270.870 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 94242   | 47.947  | ug/l | 97     |
| 13) Acrolein                  | 3.57 | 56  | 96265   | 236.982 | ug/l | 100    |
| 14) Allyl chloride            | 4.29 | 41  | 173616  | 50.222  | ug/l | 97     |
| 15) Acrylonitrile             | 4.94 | 53  | 304343  | 282.378 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 243857  | 276.238 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 262227  | 43.867  | ug/l | 99     |
| 18) Methyl Acetate            | 4.28 | 43  | 143476  | 57.742  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 352492  | 52.161  | ug/l | 97     |
| 20) Methylene Chloride        | 4.52 | 84  | 110127  | 50.713  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 101287  | 48.351  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.91 | 45  | 398107  | 54.509  | ug/l | 96     |
| 23) Vinyl Acetate             | 5.86 | 43  | 1649866 | 276.867 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 208728  | 52.424  | ug/l | 100    |
| 25) 2-Butanone                | 6.80 | 43  | 405275  | 283.709 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 152569  | 48.704  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 121264  | 50.940  | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 105512  | 55.389  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.18 | 42  | 277342  | 274.403 | ug/l | 98     |
| 30) Chloroform                | 7.35 | 83  | 198464  | 51.996  | ug/l | 100    |
| 31) Cyclohexane               | 7.63 | 56  | 180395  | 44.942  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 167639  | 50.947  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 146074  | 48.539  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.89 | 43  | 172016  | 52.900  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 132748  | 49.217  | ug/l | 97     |

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 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

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 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 4/7/2020 3:21:51 PM

Quant Time: Apr 07 08:59:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 166885   | 46.664   | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 452299   | 49.787   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.14  | 41   | 80347m   | 57.898   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 160165   | 51.588   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 285847   | 53.303   | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 112930   | 49.311   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 125234   | 52.243   | ug/l   | 98       |
| 46) Dibromomethane             | 9.19  | 93   | 75421    | 52.043   | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.39  | 83   | 158744   | 52.713   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 127346   | 53.336   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 31010    | 1092.677 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 855144   | 280.226  | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 272814   | 49.725   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 180680   | 52.231   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 193285   | 50.932   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 110386   | 52.297   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 179425   | 54.518   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 192455   | 52.543   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 415974   | 254.305  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 619335   | 281.741  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.89 | 129  | 116499   | 53.433   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 112598   | 53.051   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 101333   | 44.834   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 280012   | 49.178   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 105440   | 51.146   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.50 | 91   | 522713   | 49.365   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 384961   | 97.835   | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 187512   | 49.920   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 311557   | 50.715   | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 84550    | 49.368   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.24 | 105  | 496614   | 47.399   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 249550   | 51.545   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 164639   | 51.963   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 148212m  | 49.199   | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 120824   | 47.858   | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 588879   | 47.574   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 349732   | 47.287   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 423843   | 47.670   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 56886    | 48.498   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 358456   | 47.587   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 353669   | 47.984   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 425793   | 48.406   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 484463   | 48.880   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 431041   | 48.364   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 215951   | 48.498   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 215803   | 48.239   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 400574   | 49.781   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 69686    | 53.791   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 213414   | 50.124   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 33815    | 50.959   | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

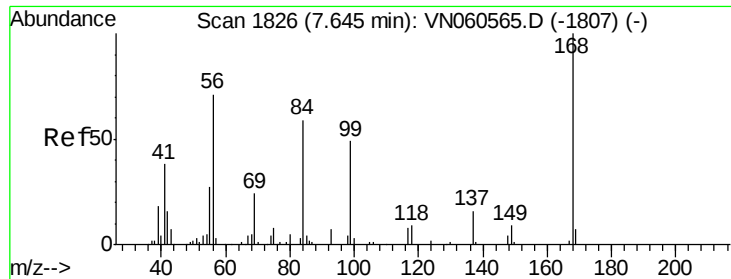
MMDadoda  
4/7/2020 3:21:51 PM

Quant Time: Apr 07 08:59:59 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 134565   | 51.466 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 65471    | 51.080 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 393549   | 50.043 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 128490   | 49.892 | ug/l  | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 181543

Ion Ratio Lower Upper

168 100

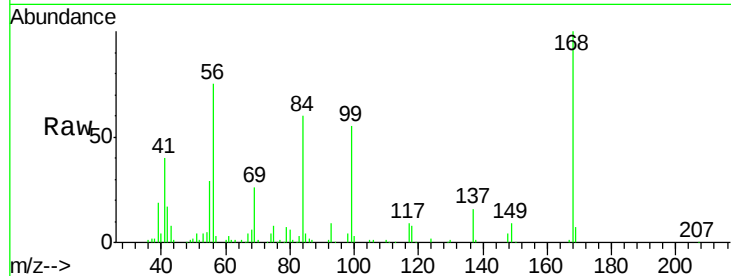
99 55.1 44.0 66.0

Manual Integrations

APPROVED

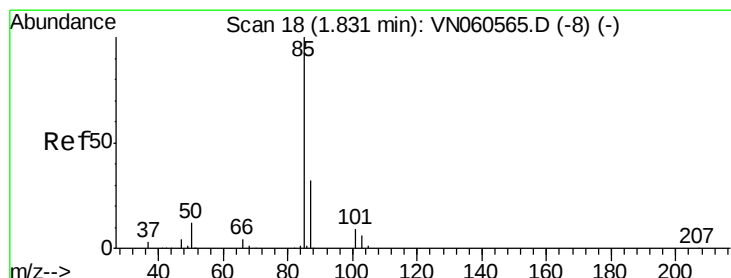
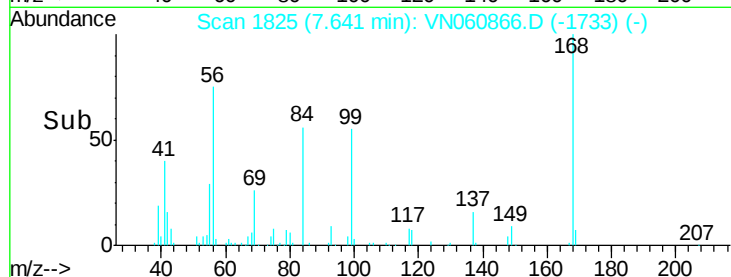
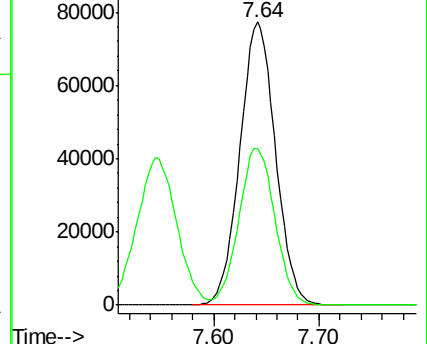
MMDadoda

4/7/2020 3:21:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.649 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060866.D

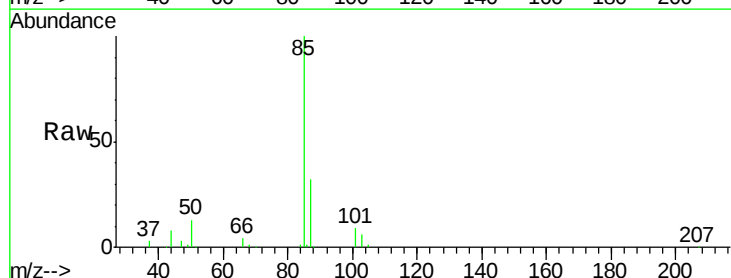
Acq: 6 Apr 2020 20:51

Tgt Ion: 85 Resp: 76673

Ion Ratio Lower Upper

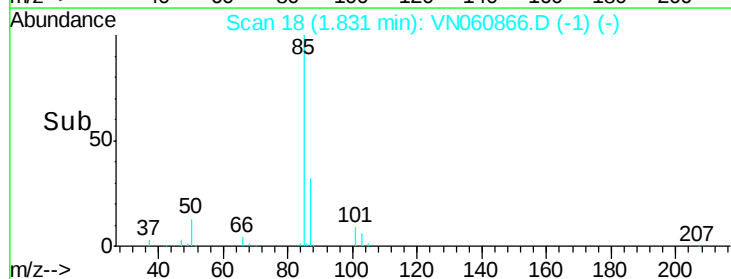
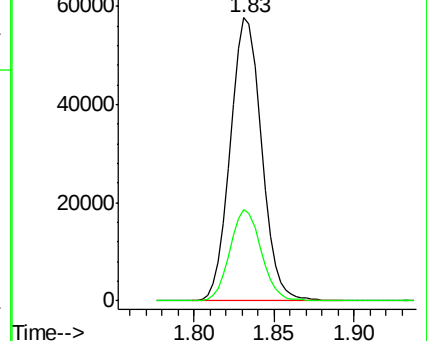
85 100

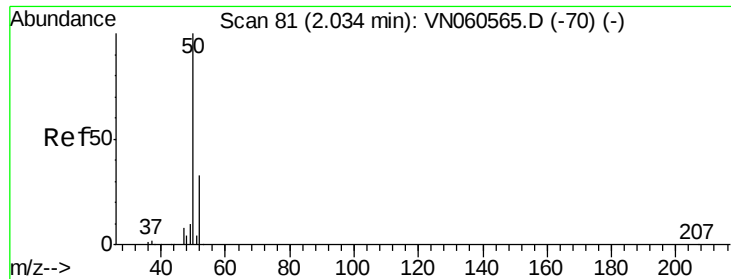
87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.041 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 147766

Ion Ratio Lower Upper

50 100

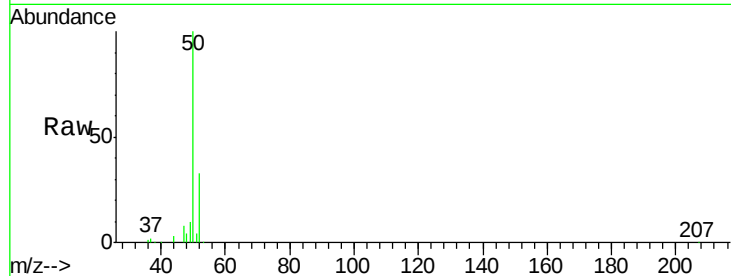
52 32.5 26.2 39.2

Manual Integrations

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4/7/2020 3:21:51 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

120000

100000

80000

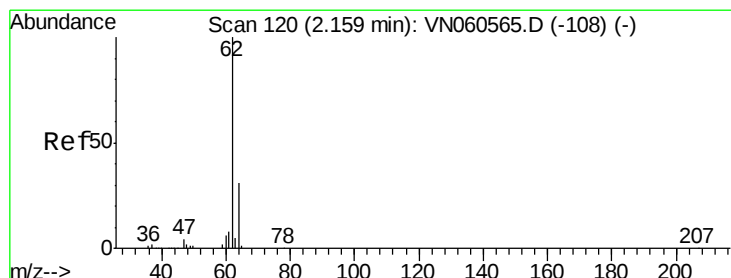
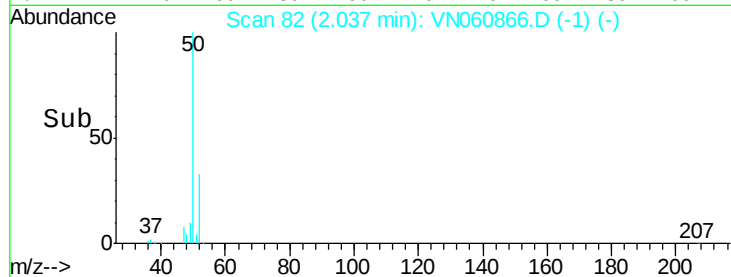
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 45.298 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060866.D

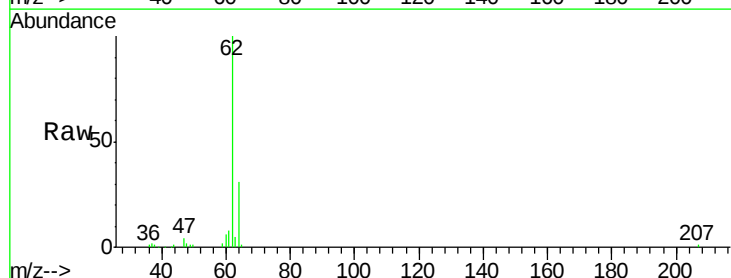
Acq: 6 Apr 2020 20:51

Tgt Ion: 62 Resp: 116238

Ion Ratio Lower Upper

62 100

64 31.0 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

80000

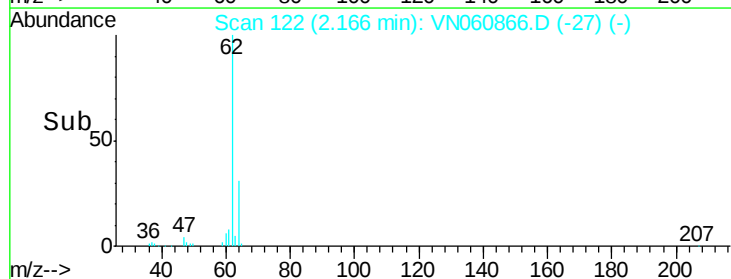
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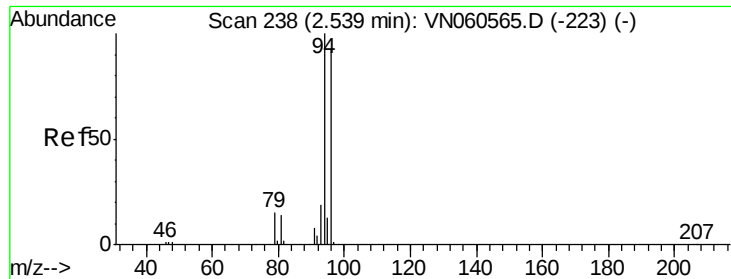
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 51.918 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 57511

Ion Ratio Lower Upper

94 100

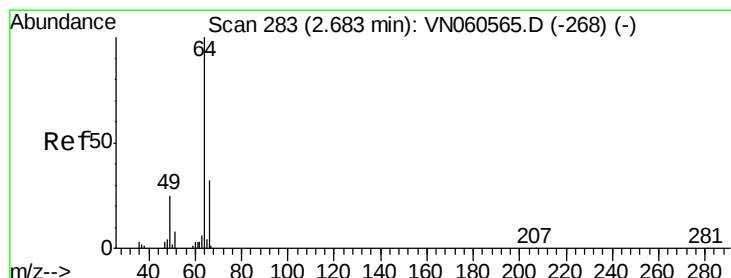
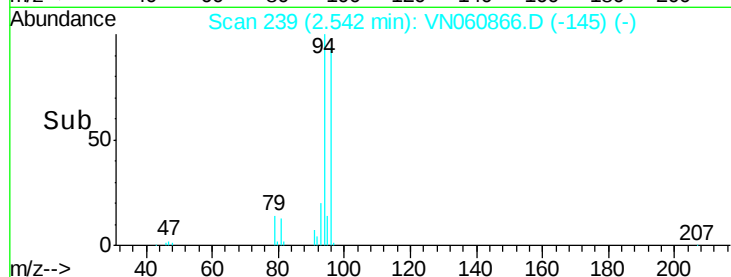
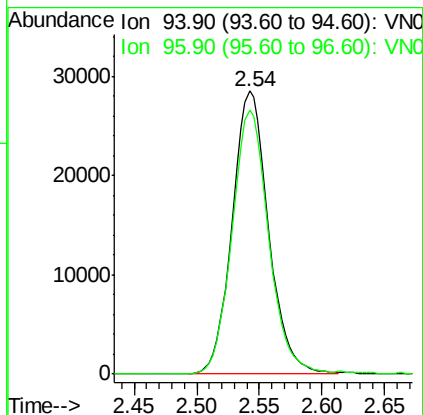
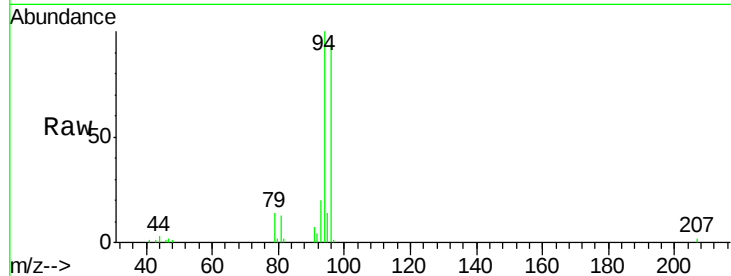
96 93.6 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

4/7/2020 3:21:51 PM



#6

Chloroethane

Concen: 49.864 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060866.D

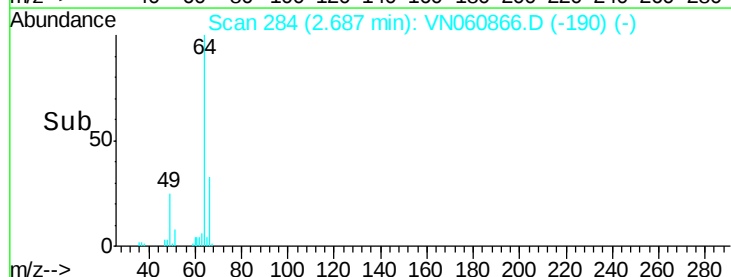
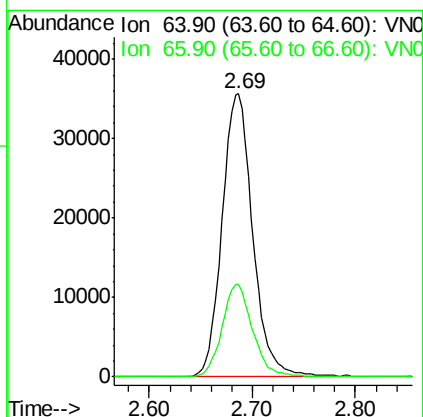
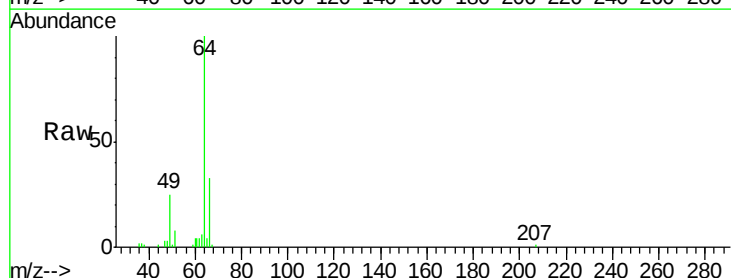
Acq: 6 Apr 2020 20:51

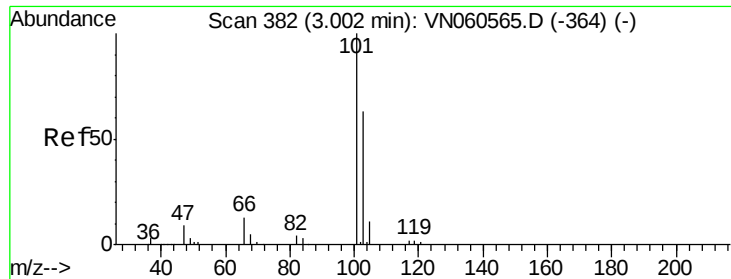
Tgt Ion: 64 Resp: 73708

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9





#7

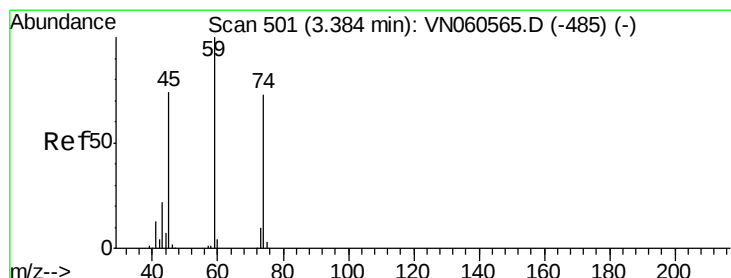
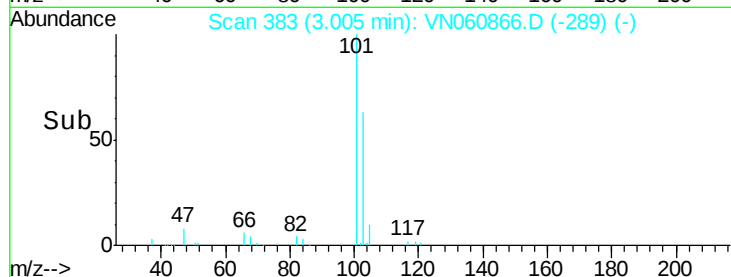
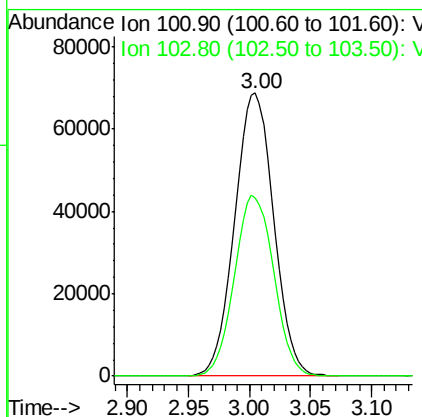
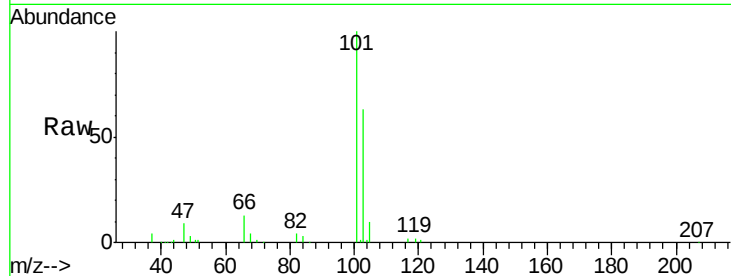
Trichlorofluoromethane  
 Concen: 48.237 ug/l  
 RT: 3.00 min Scan# 383  
 Delta R.T. 0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.2  | 50.6  | 76.0  |

Manual Integrations  
 APPROVED

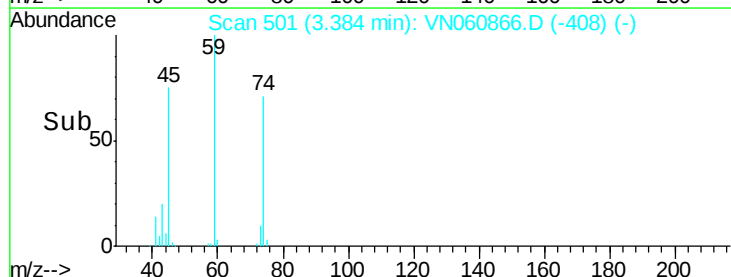
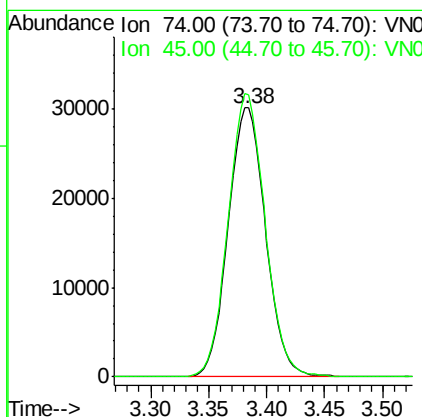
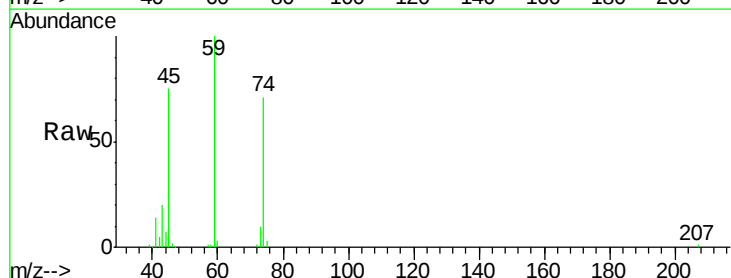
MMDadoda  
 4/7/2020 3:21:51 PM

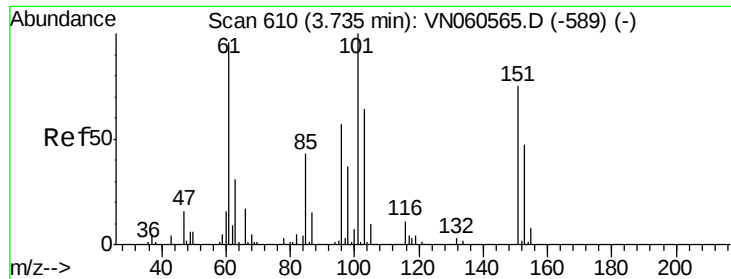


#8

Diethyl Ether  
 Concen: 52.908 ug/l  
 RT: 3.38 min Scan# 501  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.2 | 51.3  | 153.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.152 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

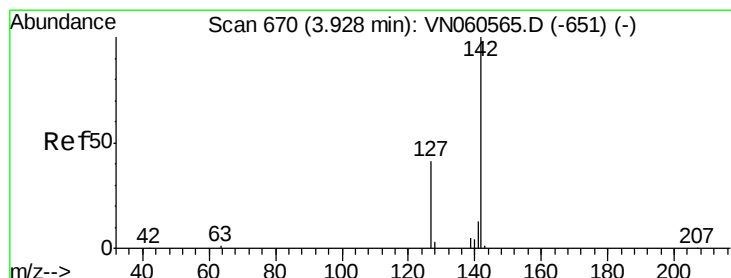
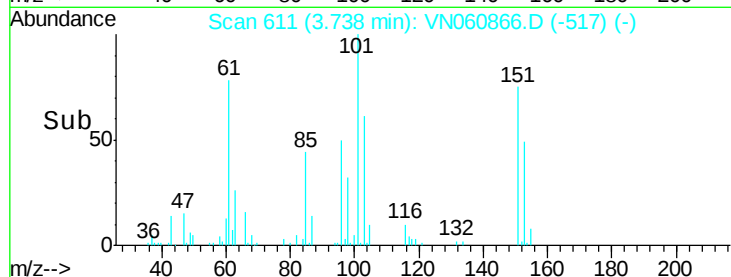
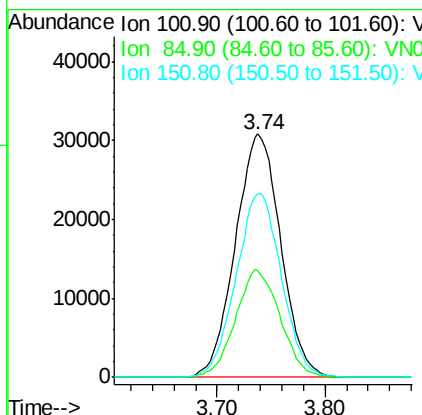
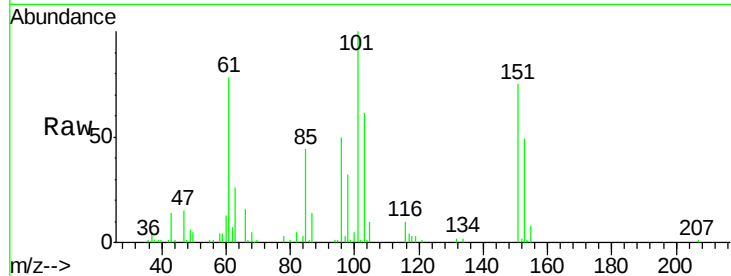
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 90029 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.5  | 35.6  | 53.4  |
| 151       | 75.6  | 61.4  | 92.2  |

Manual Integrations  
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4/7/2020 3:21:51 PM



#10

Methyl Iodide

Concen: 43.943 ug/l

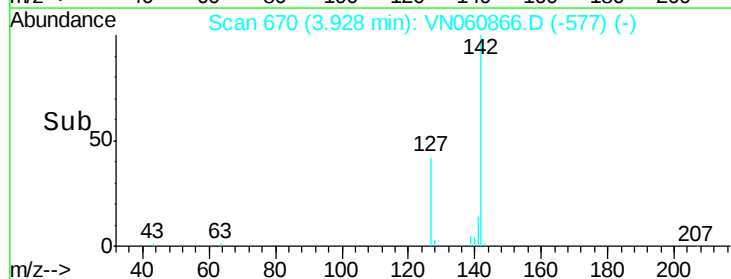
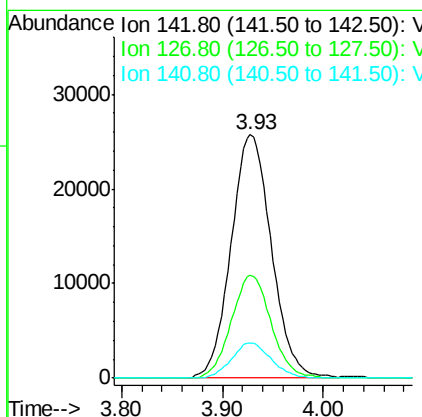
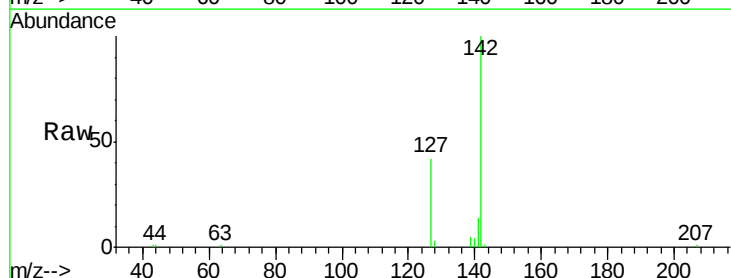
RT: 3.93 min Scan# 670

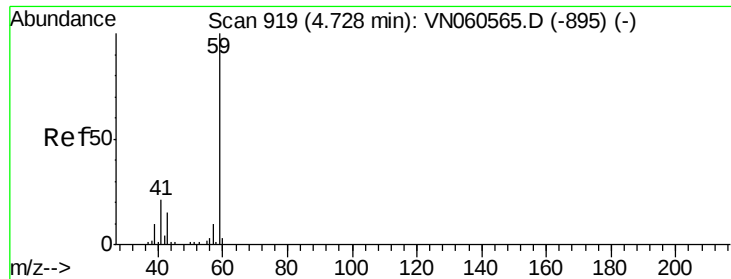
Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 71619 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.5  | 33.5  | 50.3  |
| 141       | 14.1  | 11.0  | 16.6  |





#11

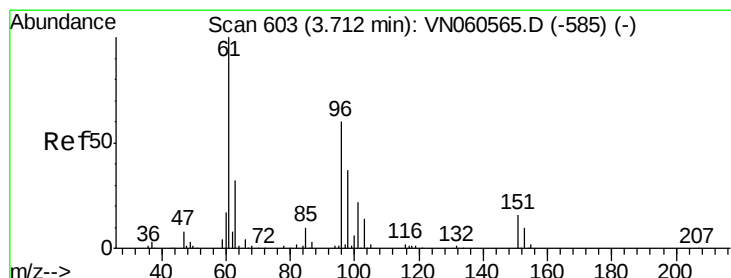
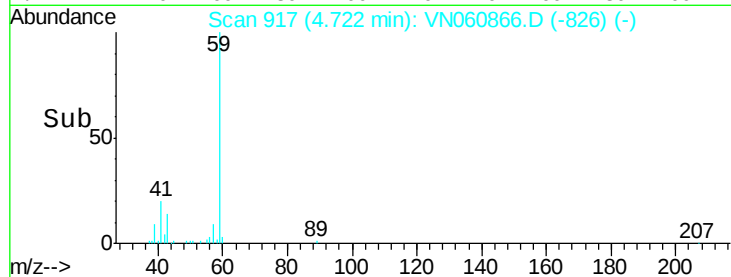
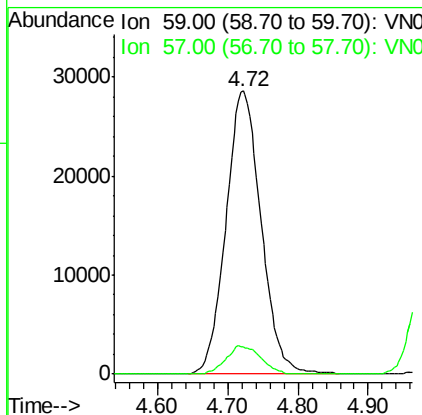
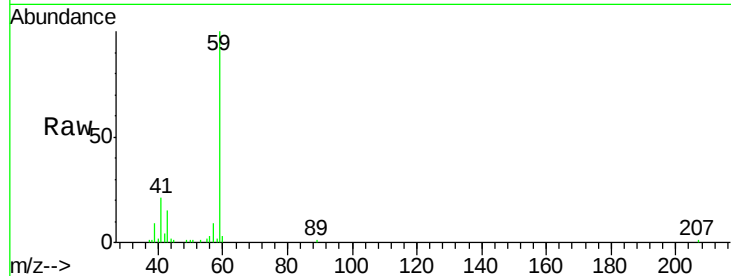
Tert butyl alcohol  
Concen: 270.870 ug/l  
RT: 4.72 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.8   | 8.2   | 12.4  |

Manual Integrations  
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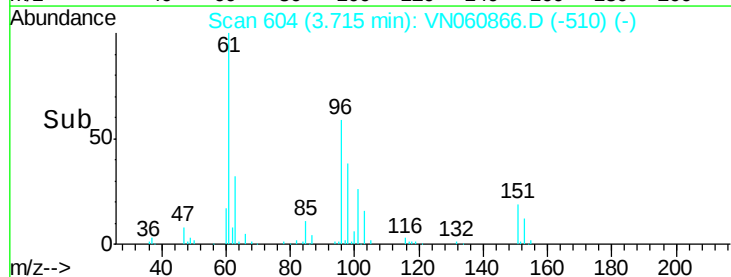
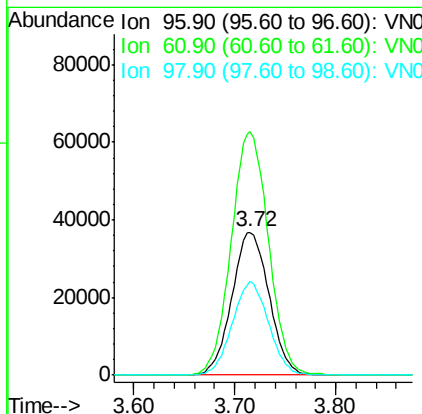
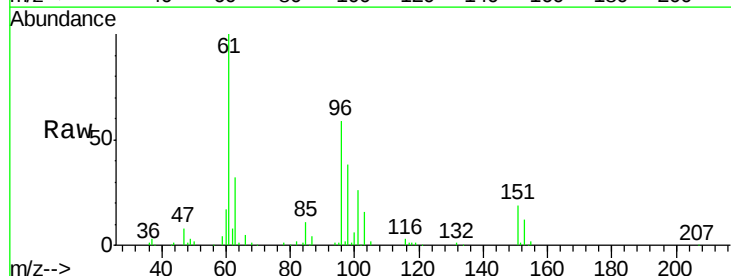
MMDadoda  
4/7/2020 3:21:51 PM

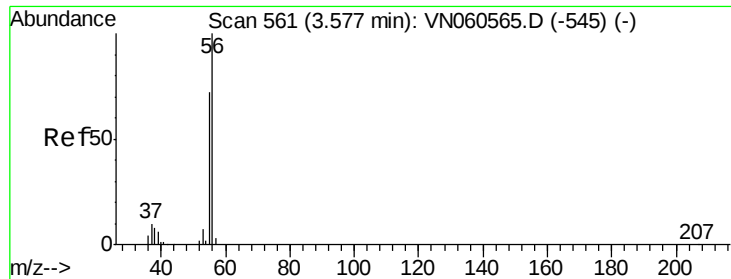


#12

1,1-Dichloroethene  
Concen: 47.947 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 170.4 | 134.1 | 201.1 |
| 98      | 65.5  | 49.9  | 74.9  |





#13

Acrolein

Concen: 236.982 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 96265

Ion Ratio Lower Upper

56 100

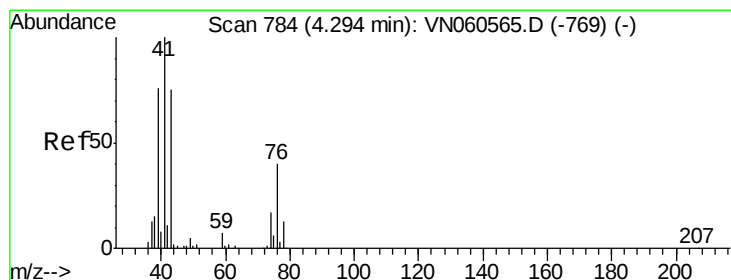
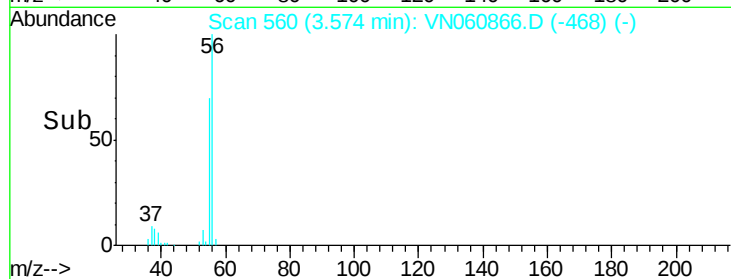
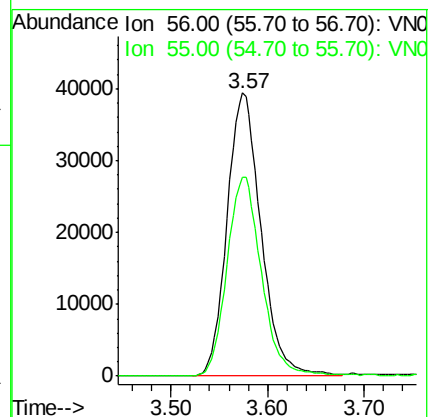
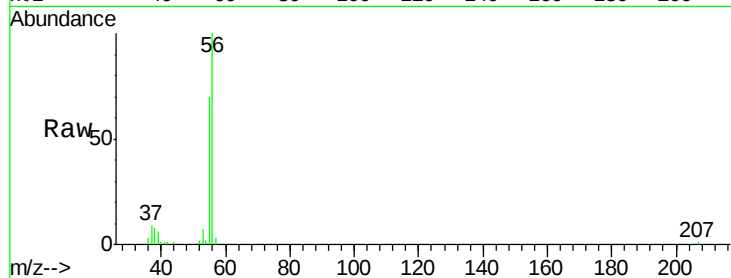
55 71.3 56.7 85.1

Manual Integrations

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MMDadoda

4/7/2020 3:21:51 PM



#14

Allyl chloride

Concen: 50.222 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

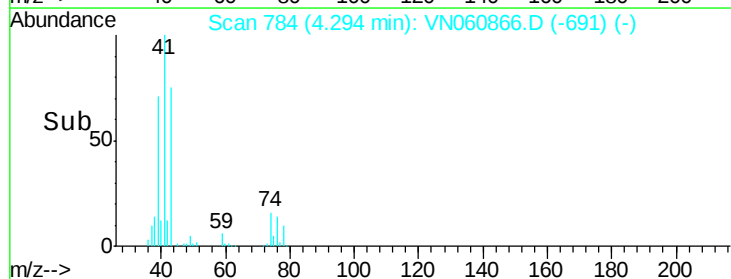
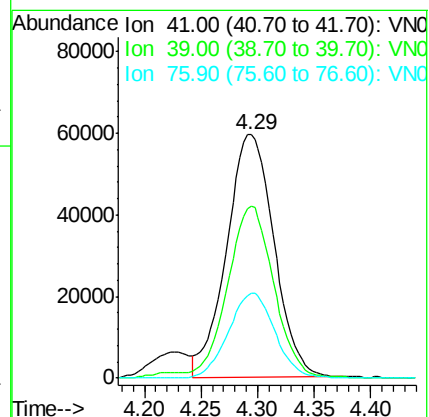
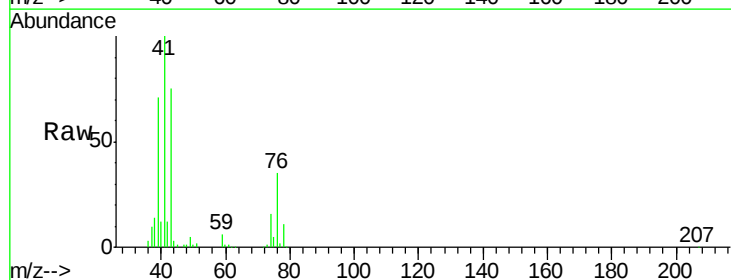
Tgt Ion: 41 Resp: 173616

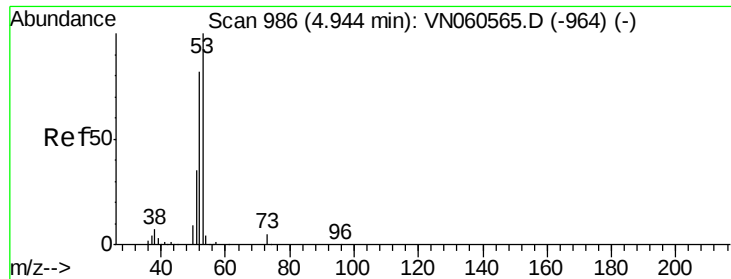
Ion Ratio Lower Upper

41 100

39 69.2 57.8 86.8

76 34.1 28.6 43.0





#15

Acrylonitrile

Concen: 282.378 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

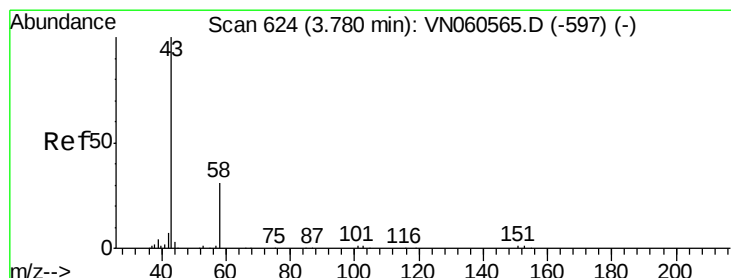
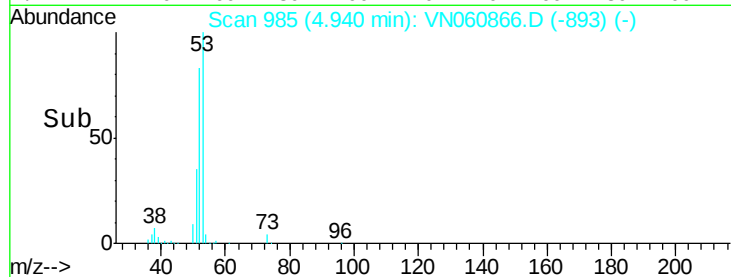
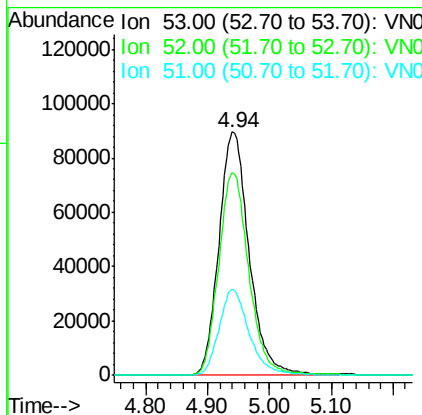
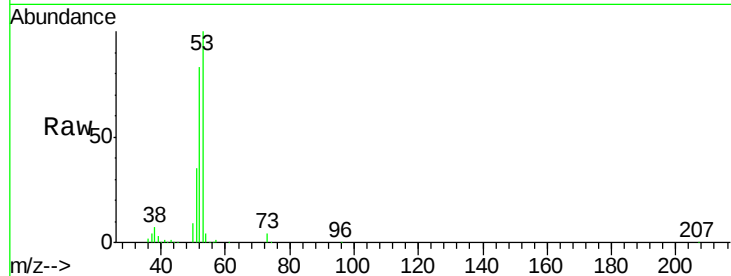
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 304343 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.6  | 66.2  | 99.4   |
| 51       | 35.2  | 28.7  | 43.1   |

Manual Integrations  
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MMDadoda  
4/7/2020 3:21:51 PM



#16

Acetone

Concen: 276.238 ug/l

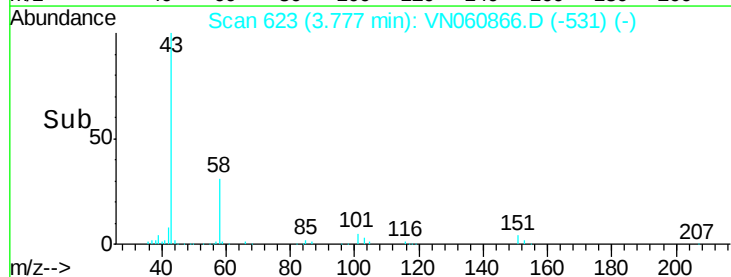
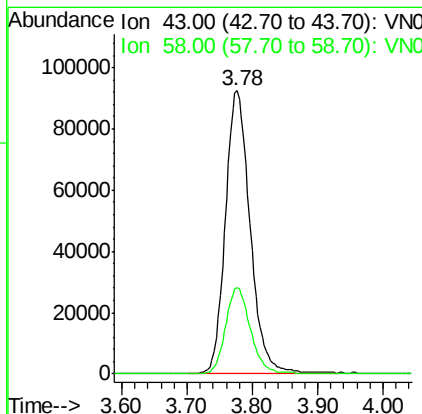
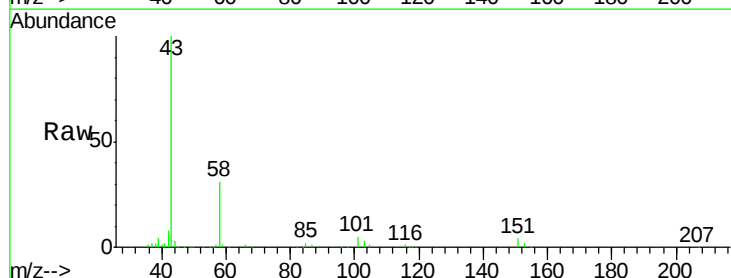
RT: 3.78 min Scan# 623

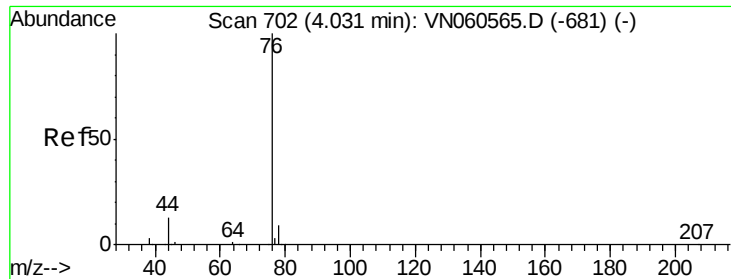
Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 243857 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.6  | 25.1  | 37.7   |





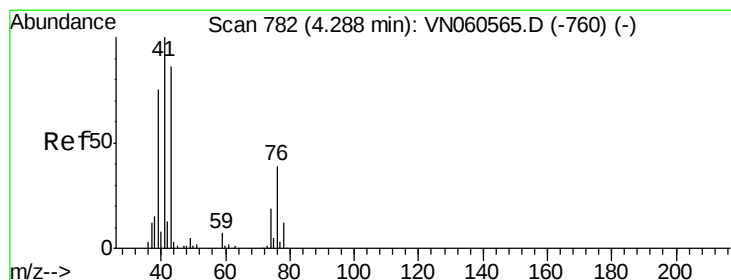
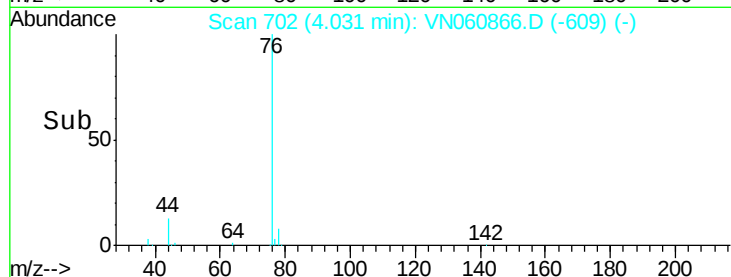
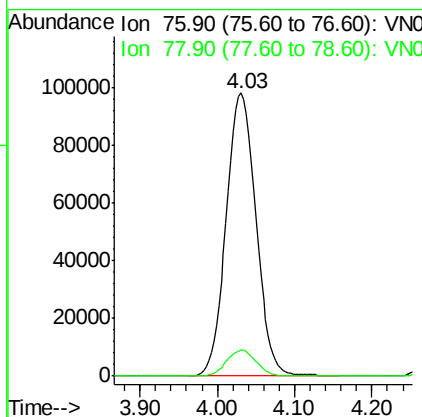
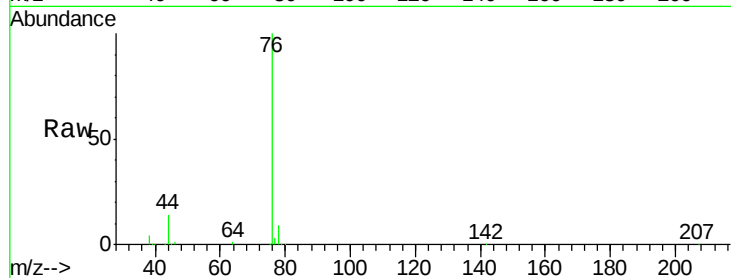
#17  
Carbon Disulfide  
Concen: 43.867 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.3   | 7.2   | 10.8  |

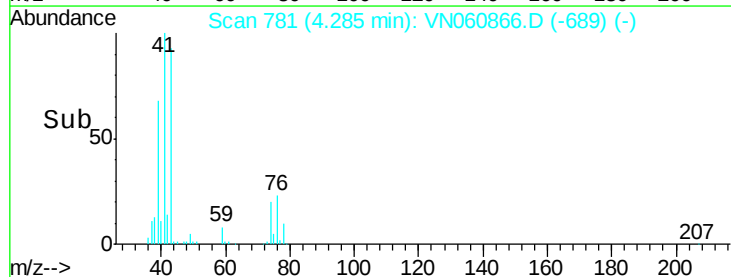
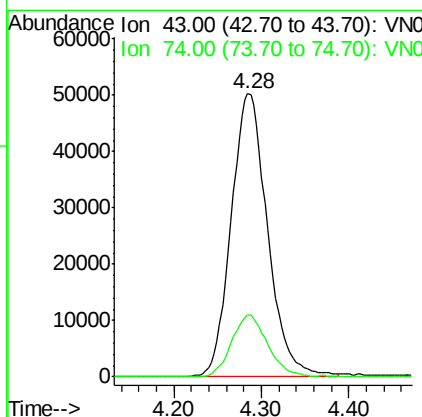
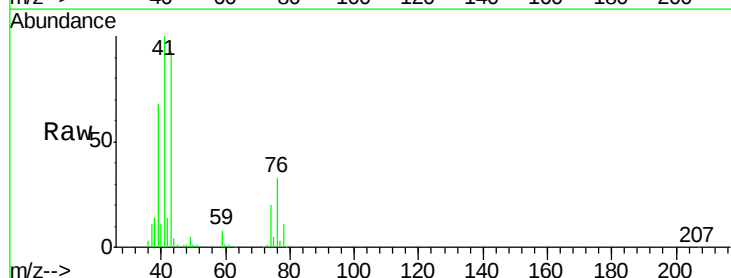
Manual Integrations  
APPROVED

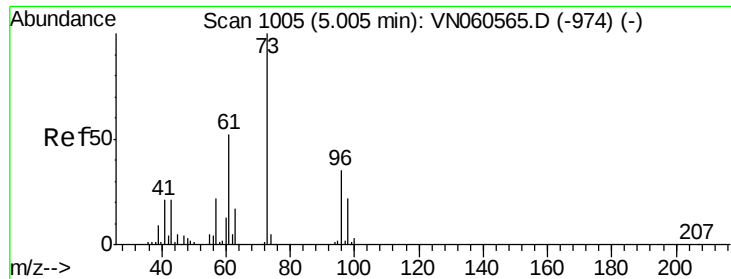
MMDadoda  
4/7/2020 3:21:51 PM



#18  
Methyl Acetate  
Concen: 57.742 ug/l  
RT: 4.28 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.9  | 17.5  | 26.3  |





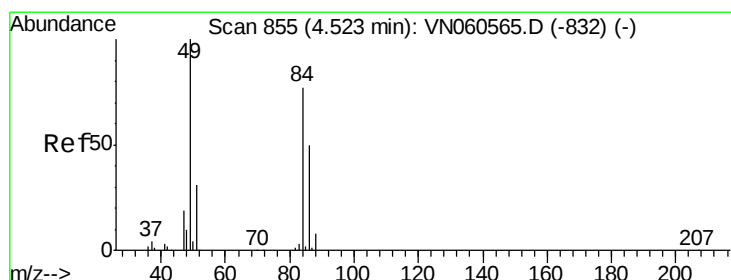
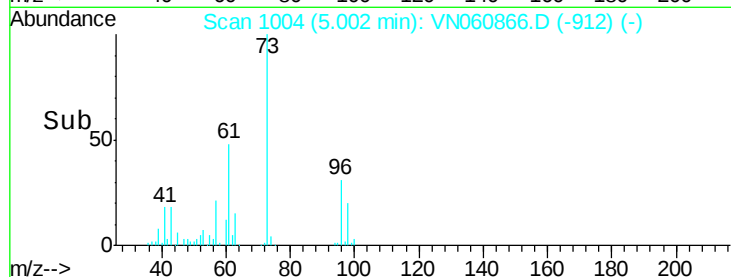
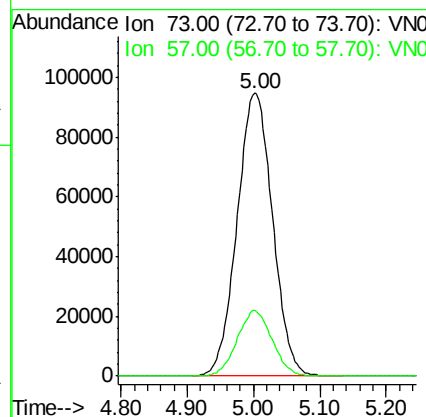
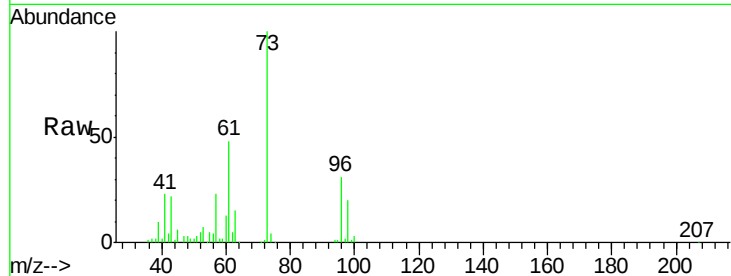
#19  
Methyl tert-butyl Ether  
Concen: 52.161 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 352492  
Ion Ratio Lower Upper  
73 100  
57 23.2 17.5 26.3

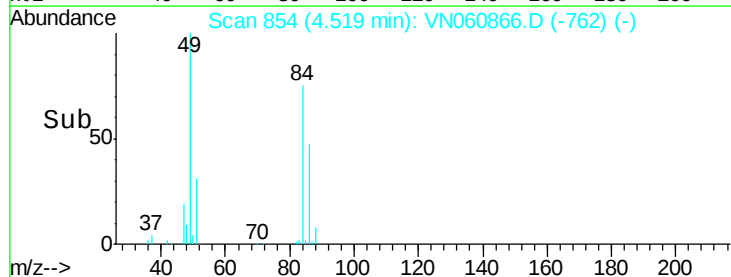
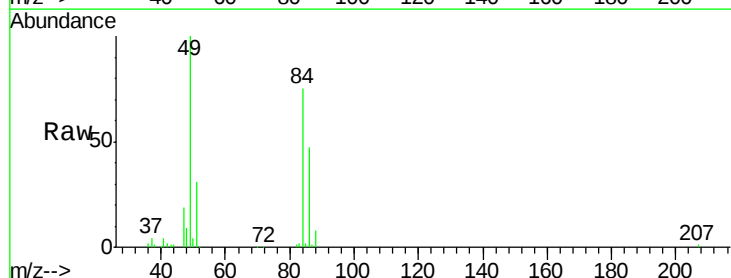
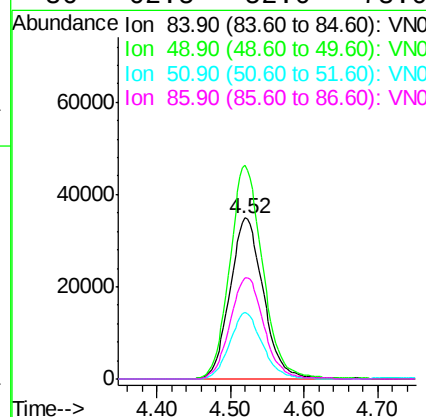
Manual Integrations  
APPROVED

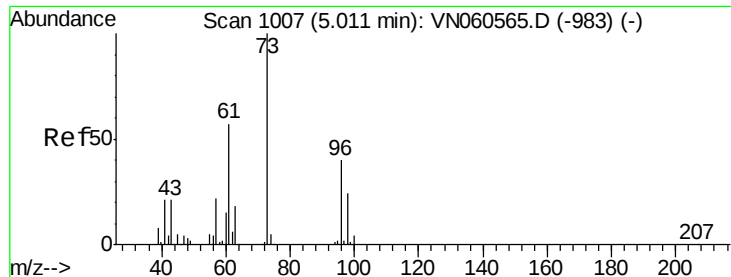
MMDadoda  
4/7/2020 3:21:51 PM



#20  
Methylene Chloride  
Concen: 50.713 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Tgt Ion: 84 Resp: 110127  
Ion Ratio Lower Upper  
84 100  
49 132.8 103.3 154.9  
51 41.1 31.6 47.4  
86 62.5 52.0 78.0





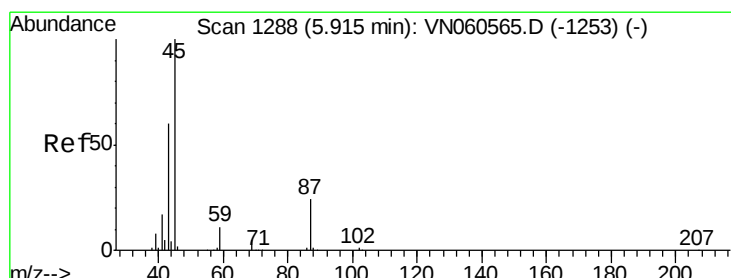
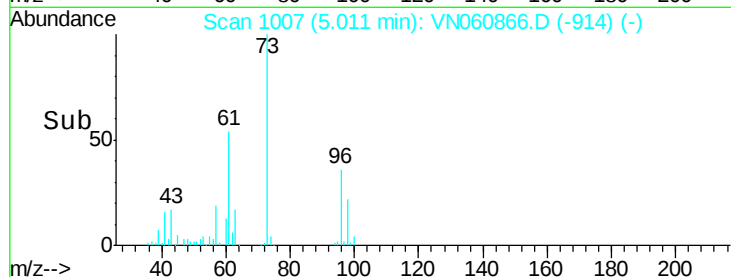
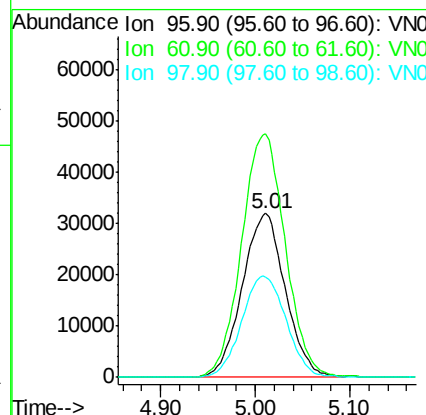
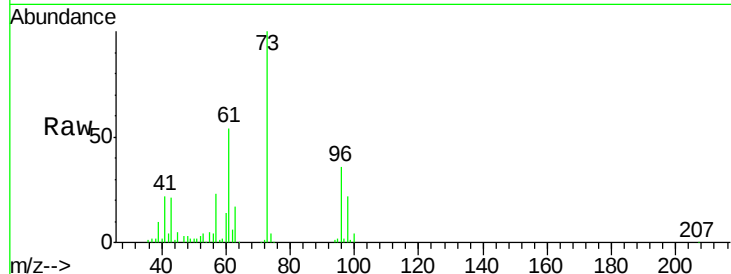
#21  
trans-1,2-Dichloroethene  
Concen: 48.351 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.4 | 114.4 | 171.6 |
| 98      | 61.4  | 48.4  | 72.6  |

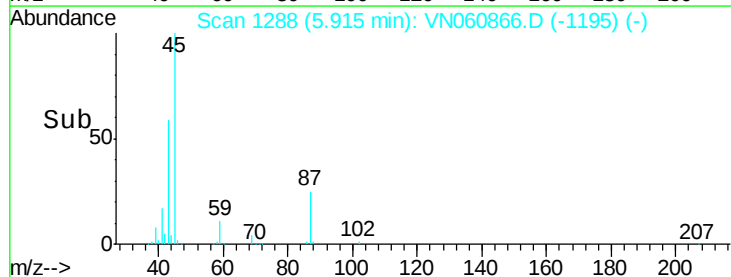
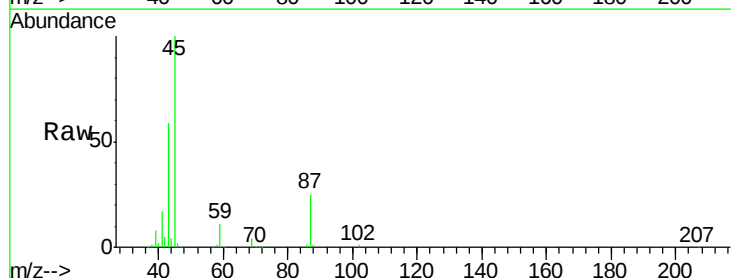
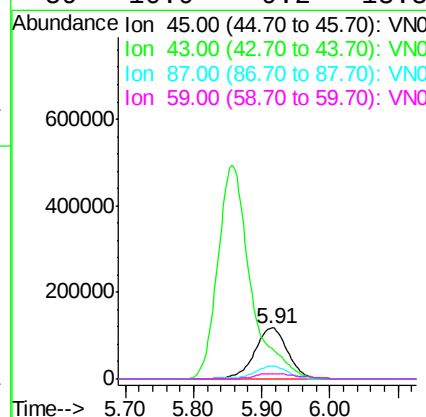
Manual Integrations  
APPROVED

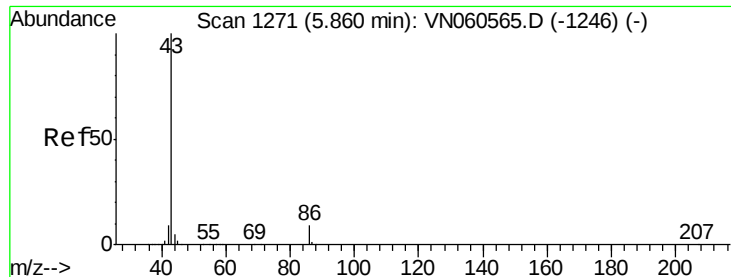
MMDadoda  
4/7/2020 3:21:51 PM



#22  
Diisopropyl ether  
Concen: 54.509 ug/l  
RT: 5.91 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 58.1  | 49.8  | 74.8  |
| 87      | 24.7  | 20.1  | 30.1  |
| 59      | 10.9  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 276.867 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1649866

Ion Ratio Lower Upper

43 100

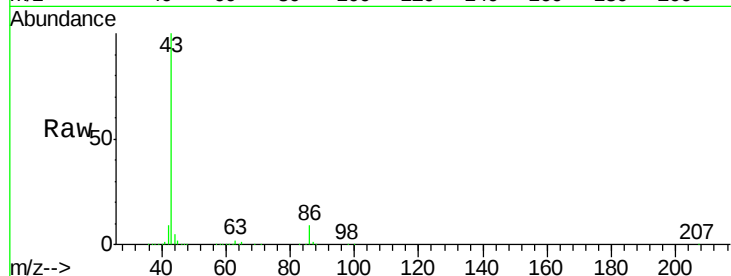
86 9.2 7.6 11.4

Manual Integrations

APPROVED

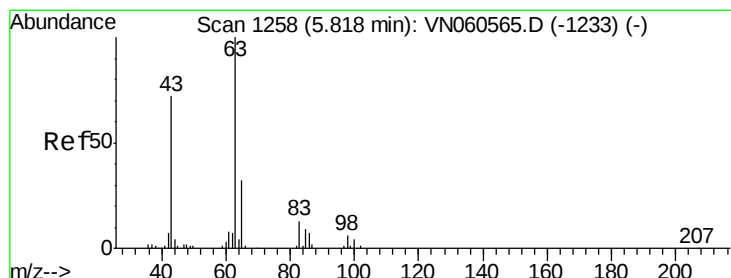
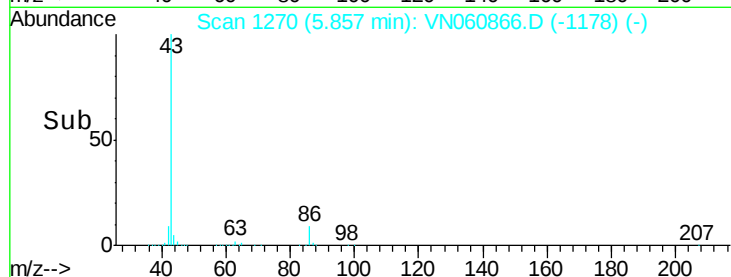
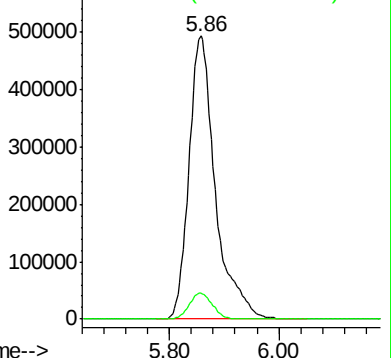
MMDadoda

4/7/2020 3:21:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.424 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

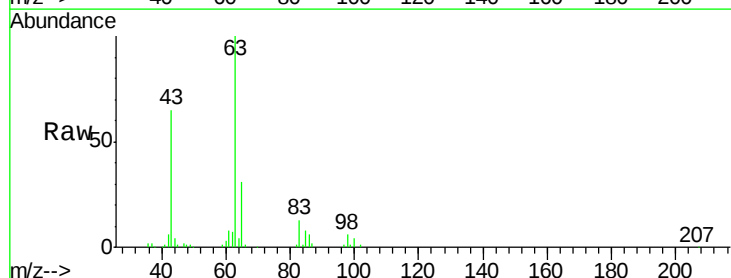
Tgt Ion: 63 Resp: 208728

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

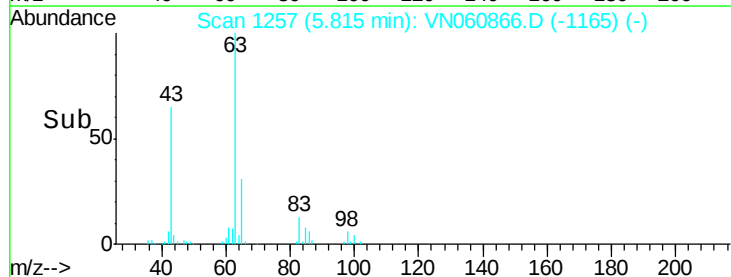
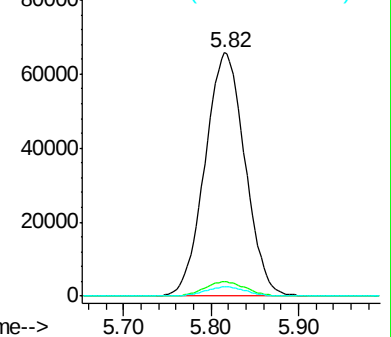
100 3.6 1.8 5.5

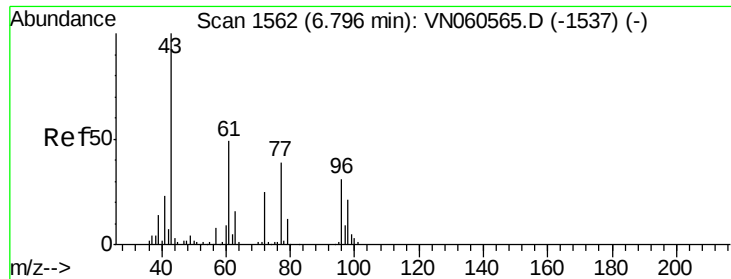


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





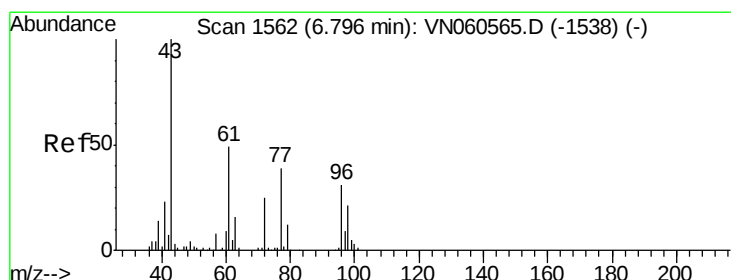
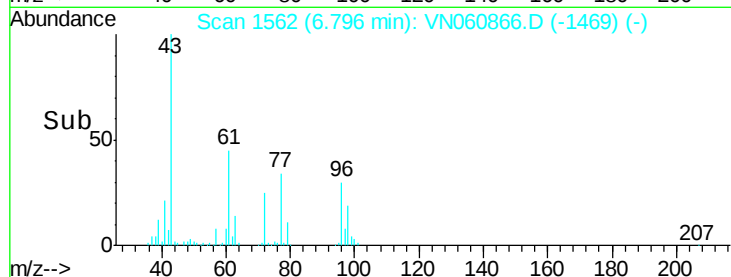
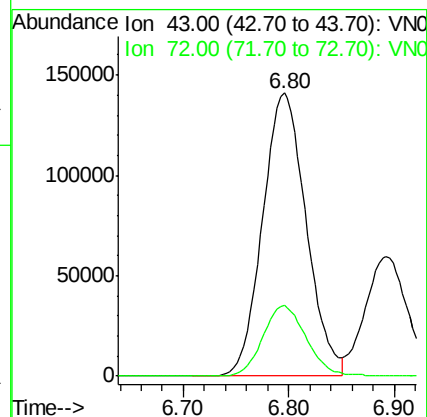
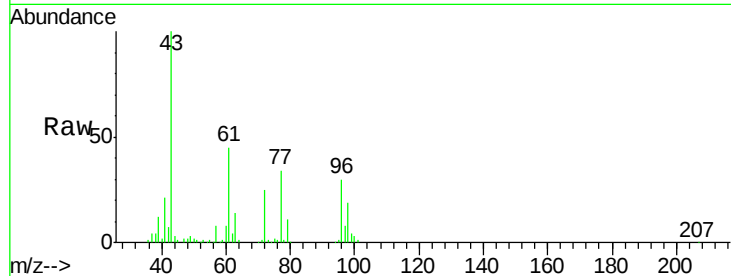
#25  
2-Butanone  
Concen: 283.709 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 405275  
Ion Ratio Lower Upper  
43 100  
72 24.9 20.4 30.6

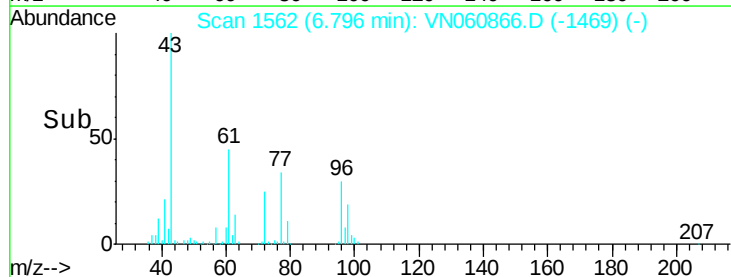
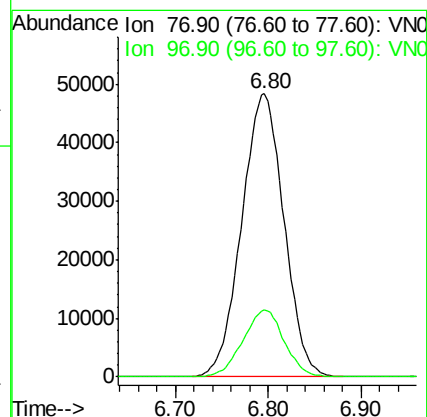
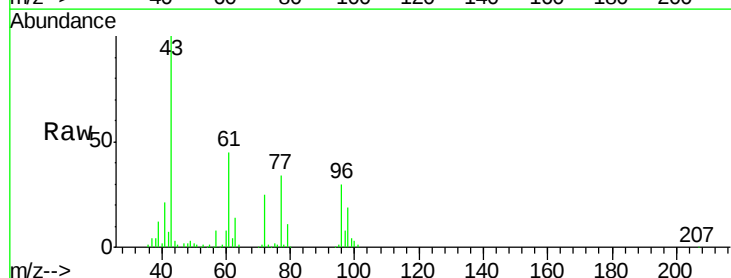
Manual Integrations  
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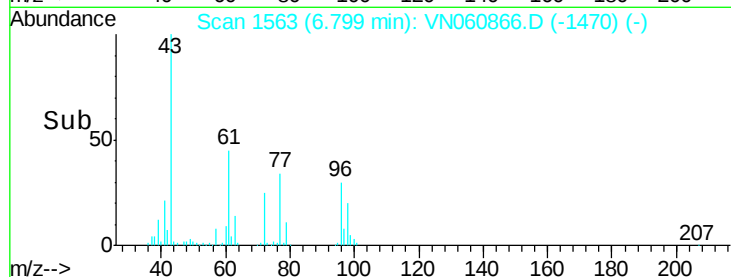
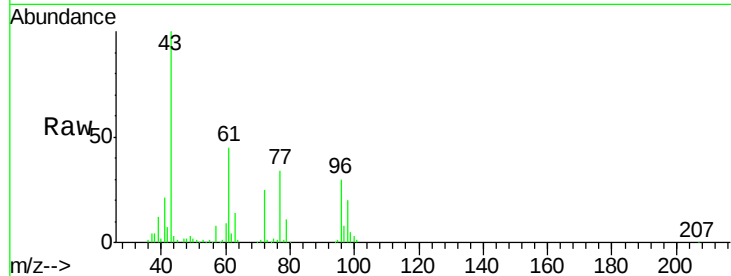
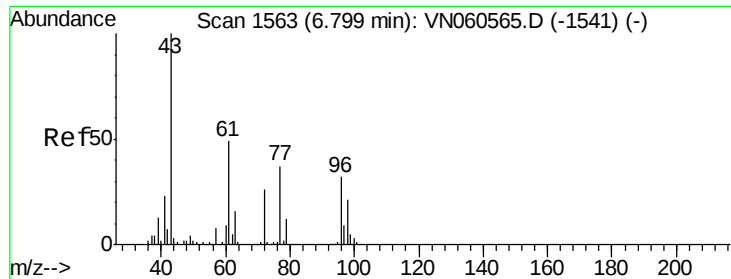
MMDadoda  
4/7/2020 3:21:51 PM



#26  
2,2-Dichloropropane  
Concen: 48.704 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Tgt Ion: 77 Resp: 152569  
Ion Ratio Lower Upper  
77 100  
97 23.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.940 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060866.D

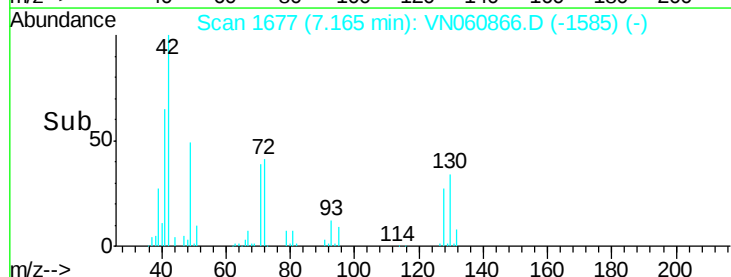
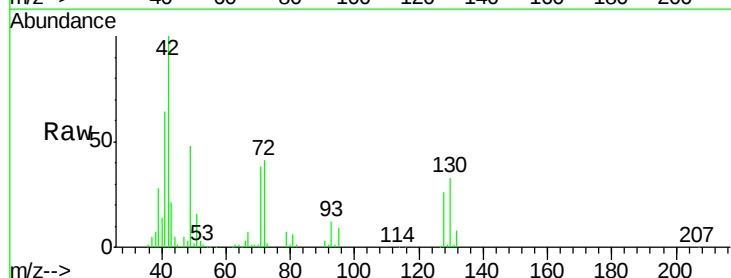
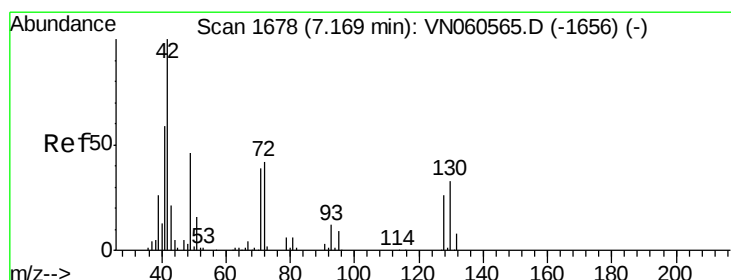
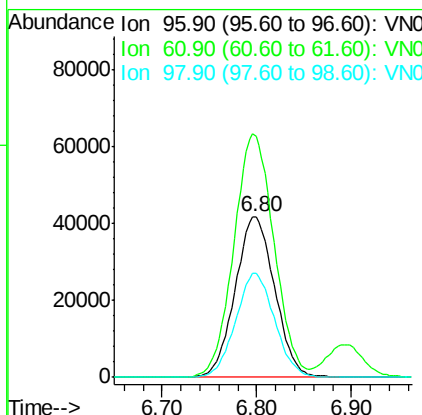
Acq: 6 Apr 2020 20:51

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 121264 |       |       |
| 61      | 154.2 | 0.0    | 305.6 |       |
| 98      | 64.0  | 0.0    | 127.6 |       |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

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#28

Bromochloromethane

Concen: 55.389 ug/l

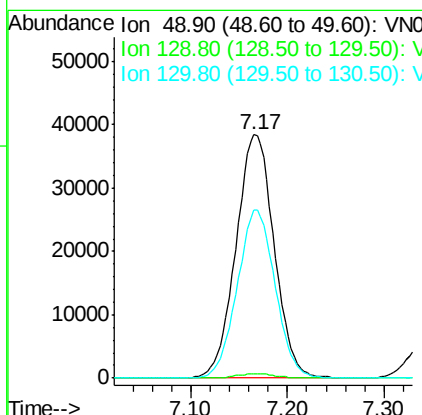
RT: 7.17 min Scan# 1677

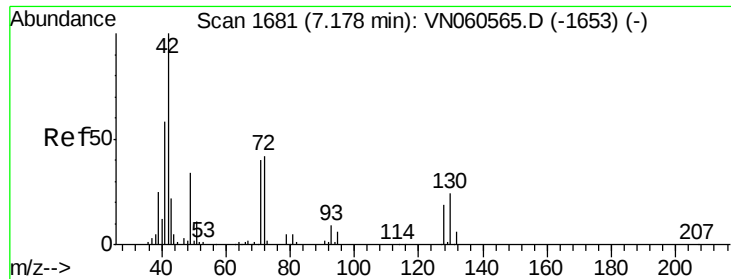
Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 105512 |       |       |
| 129     | 1.6   | 0.0    | 3.4   |       |
| 130     | 68.6  | 55.0   | 82.4  |       |





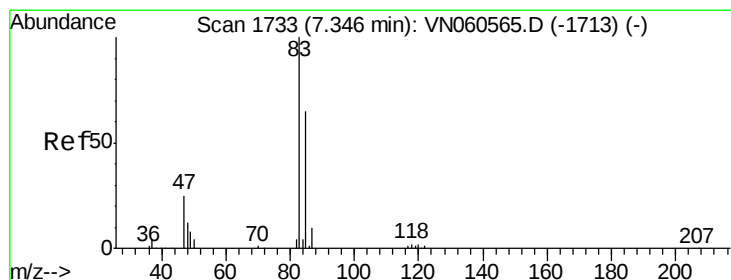
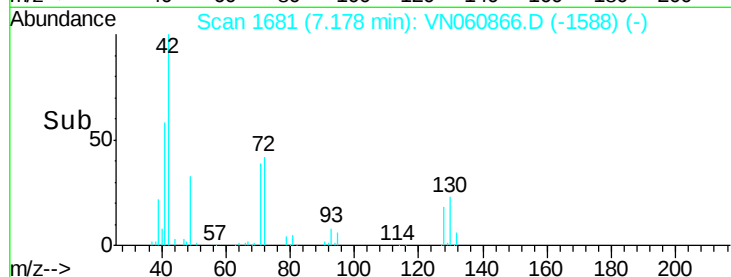
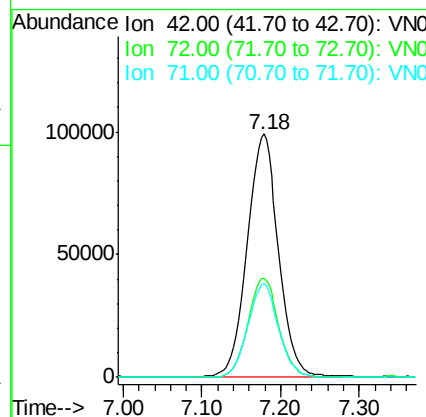
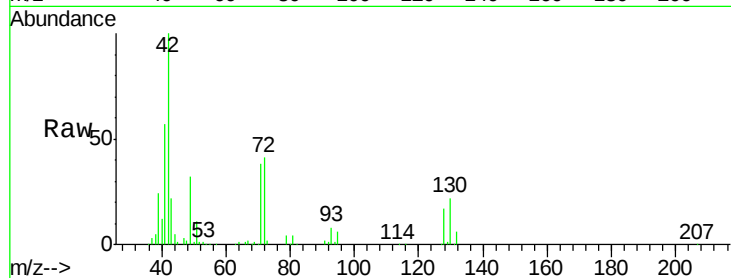
#29  
Tetrahydrofuran  
Concen: 274.403 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.3  | 33.2  | 49.8  |
| 71      | 37.9  | 31.1  | 46.7  |

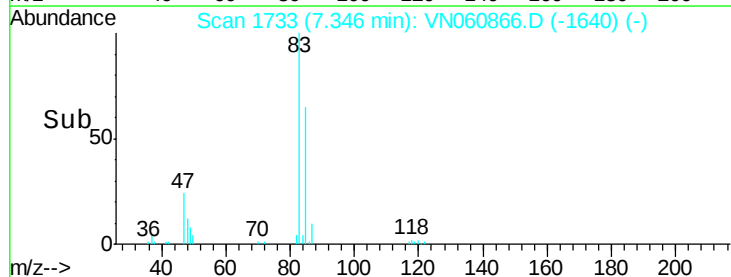
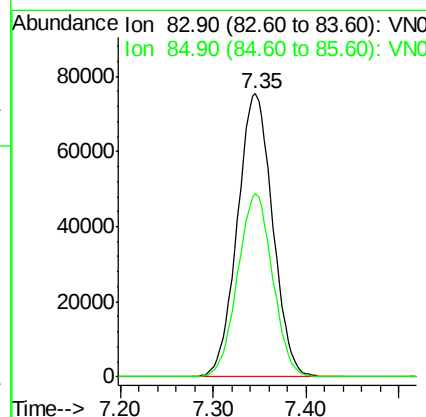
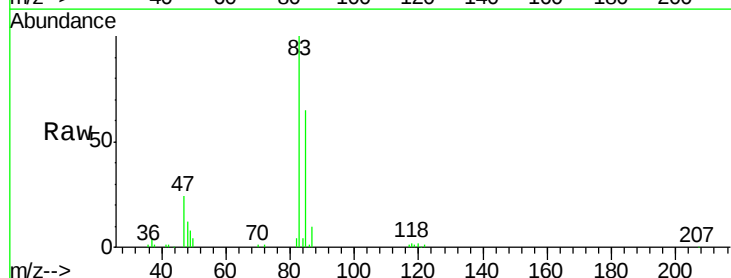
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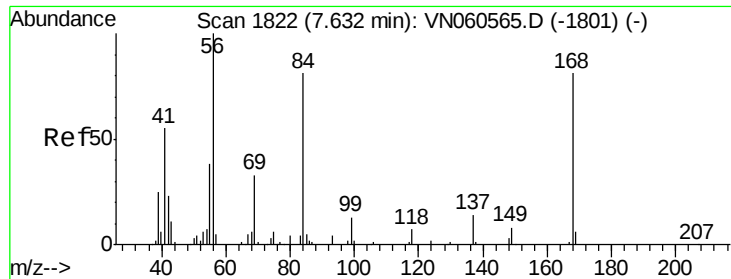
MMDadoda  
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#30  
Chloroform  
Concen: 51.996 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.7  | 51.8  | 77.8  |





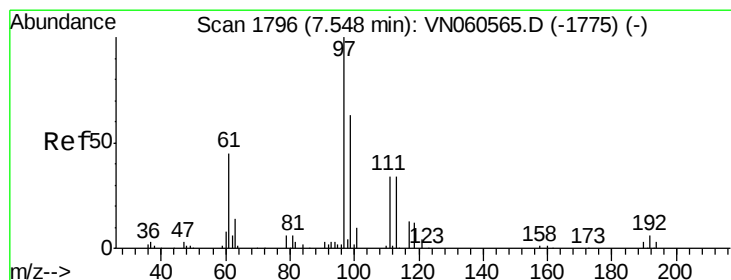
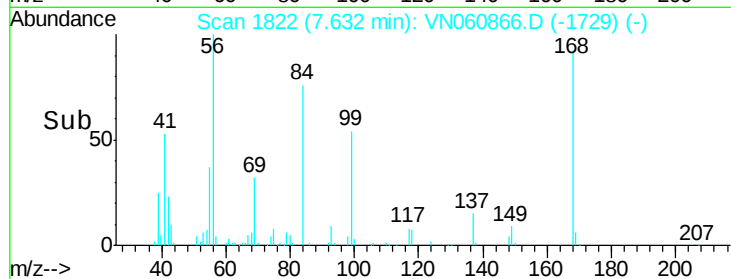
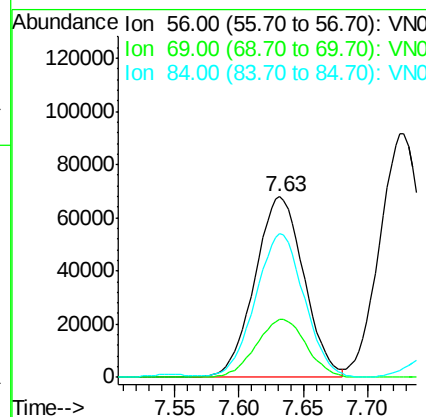
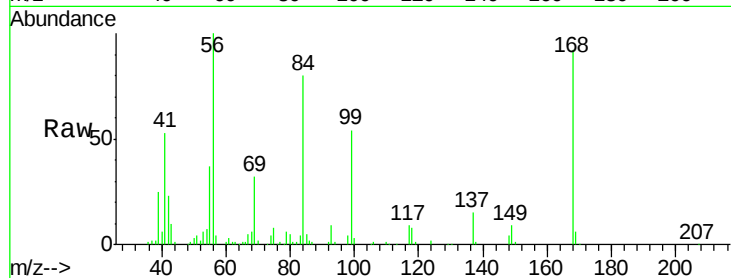
#31  
Cyclohexane  
Concen: 44.942 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.0  | 26.6  | 40.0  |
| 84      | 78.9  | 64.3  | 96.5  |

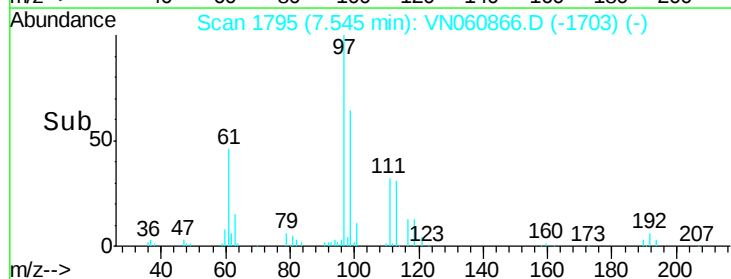
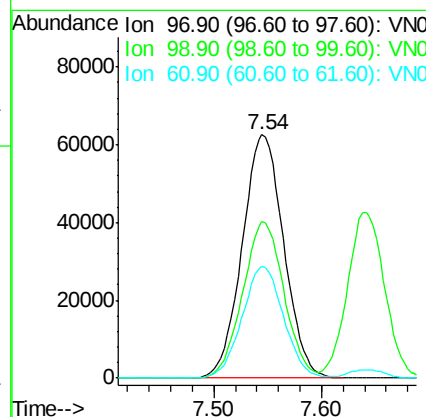
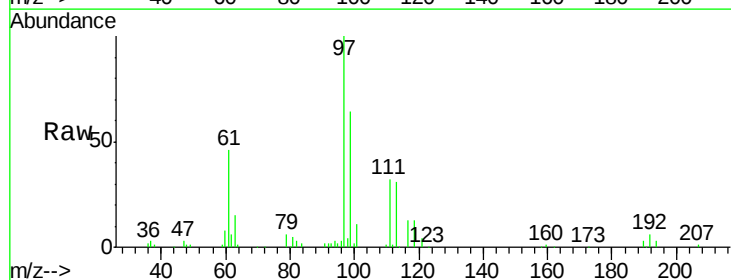
Manual Integrations  
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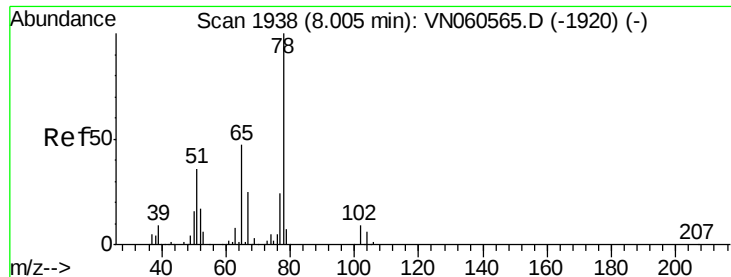
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 50.947 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 50.6  | 75.8  |
| 61      | 45.7  | 36.2  | 54.4  |





#33

1,2-Dichloroethane-d4

Concen: 52.636 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 131177

Ion Ratio Lower Upper

65 100

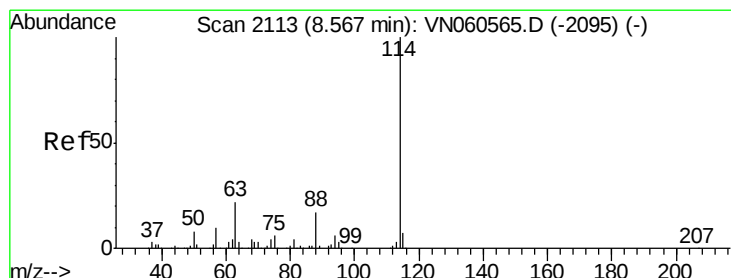
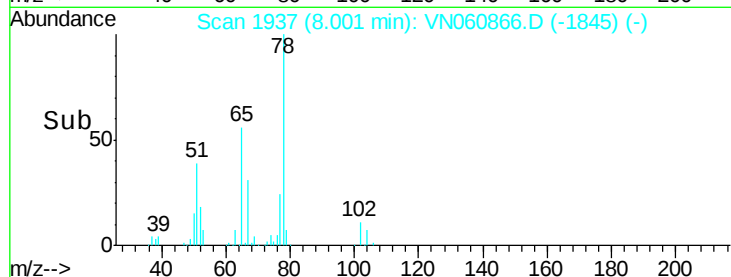
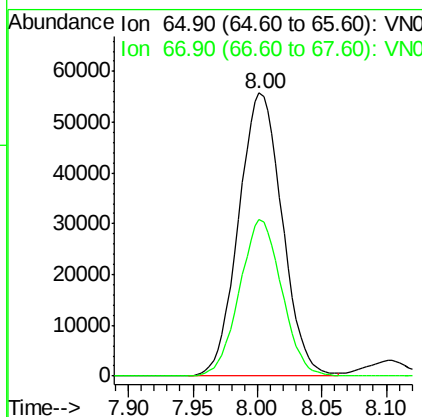
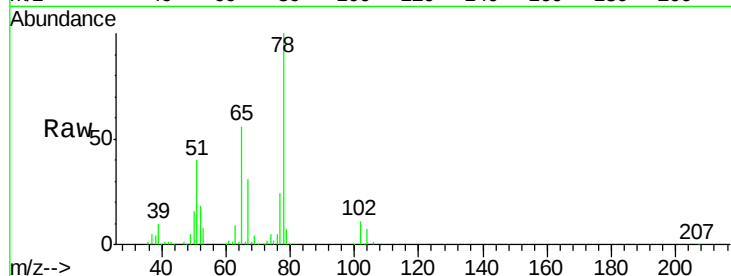
67 53.7 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

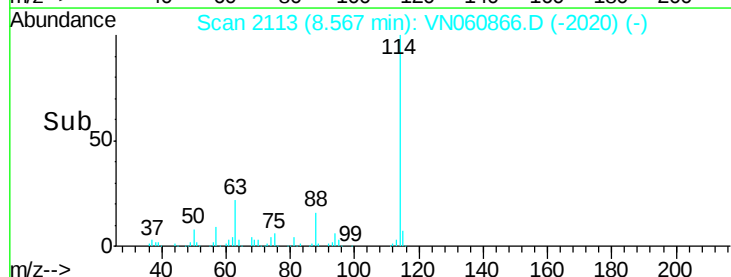
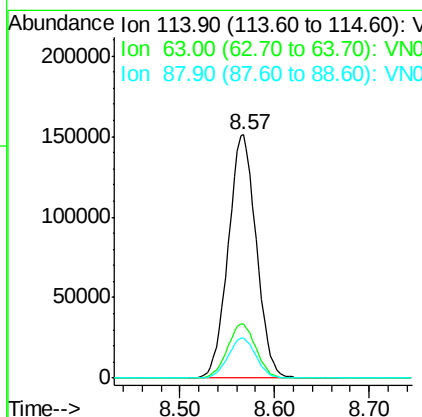
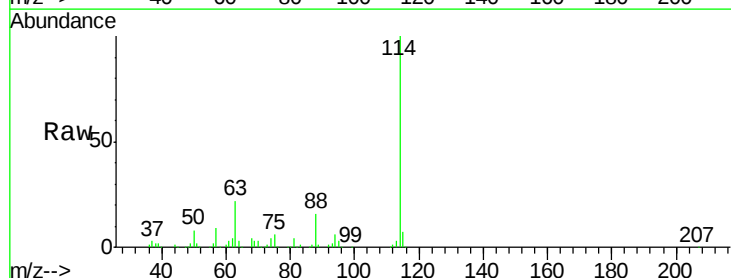
Tgt Ion: 114 Resp: 310789

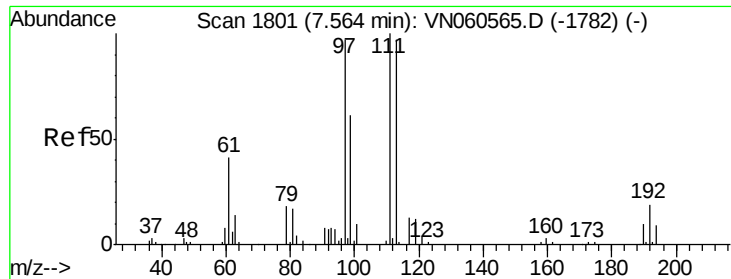
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 16.3 0.0 33.0





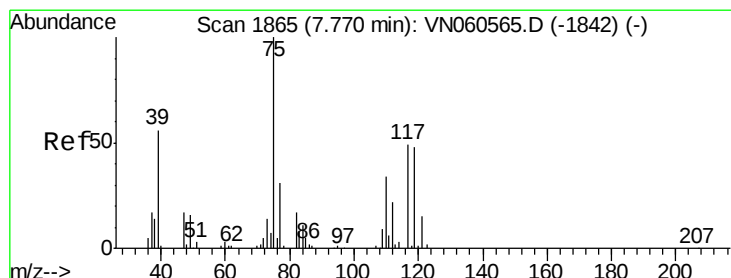
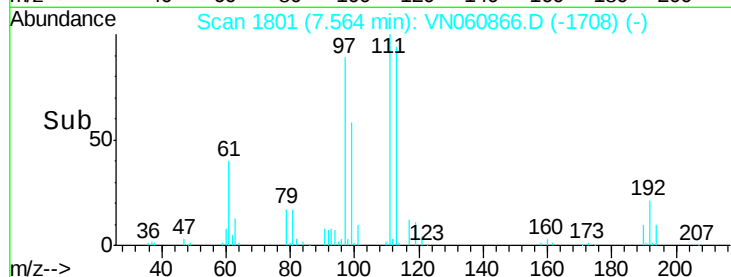
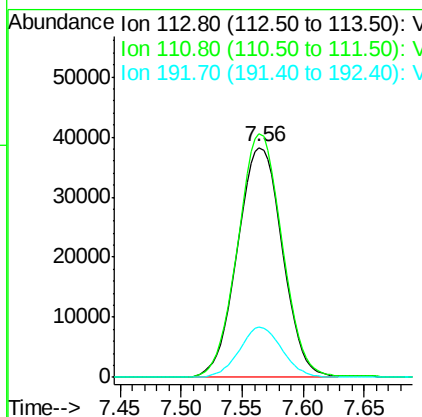
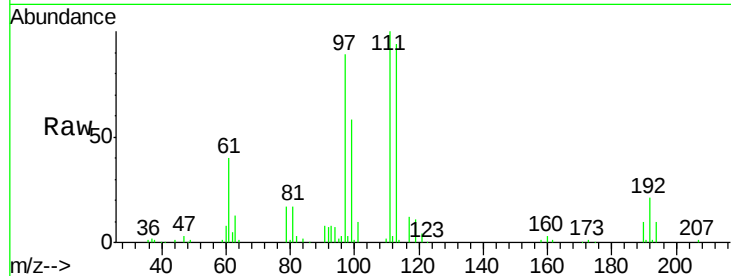
#35  
 Dibromofluoromethane  
 Concen: 52.053 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.3 | 82.9  | 124.3 |
| 192     | 20.7  | 15.8  | 23.8  |

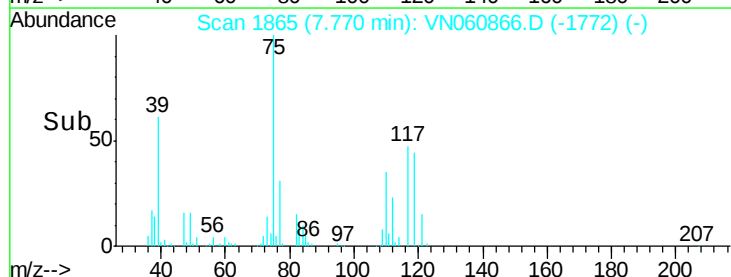
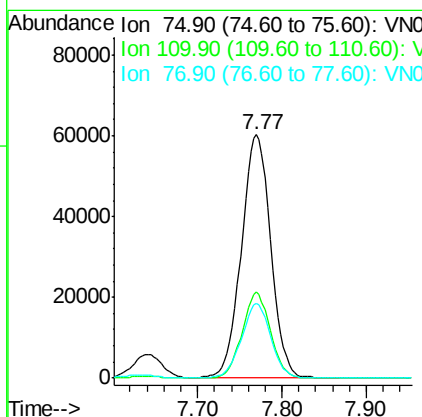
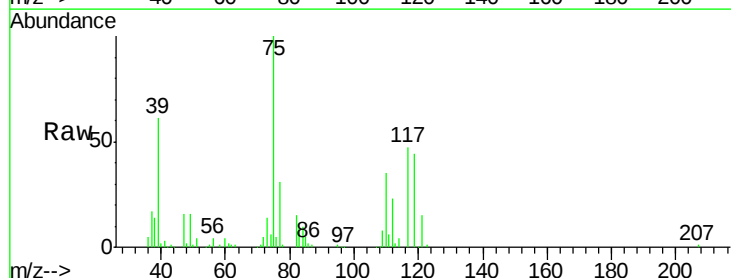
Manual Integrations  
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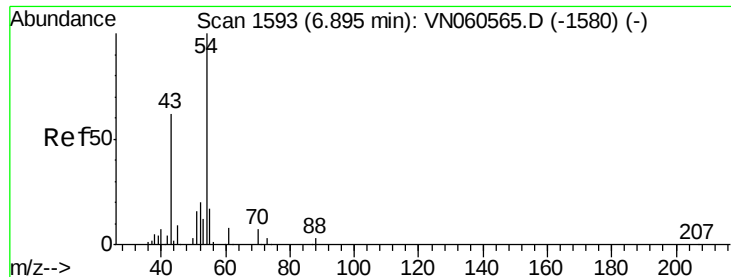
MMDadoda  
 4/7/2020 3:21:51 PM



#36  
 1,1-Dichloropropene  
 Concen: 48.539 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.0  | 16.9  | 50.6  |
| 77      | 30.5  | 24.6  | 36.8  |





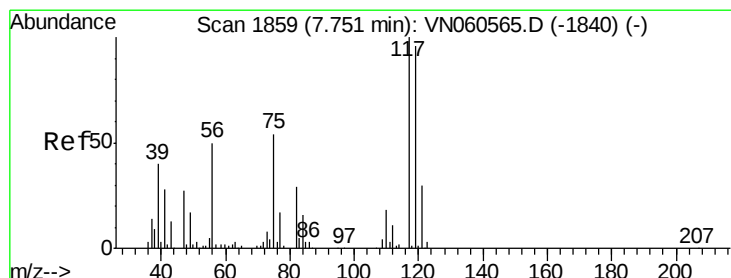
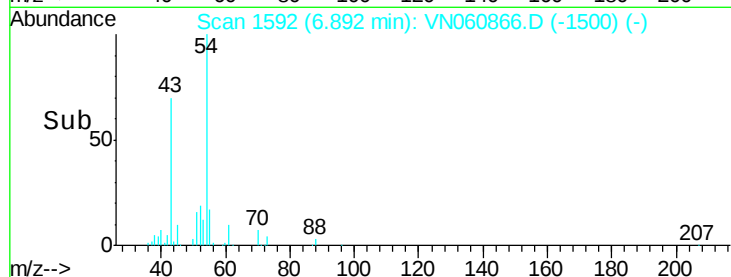
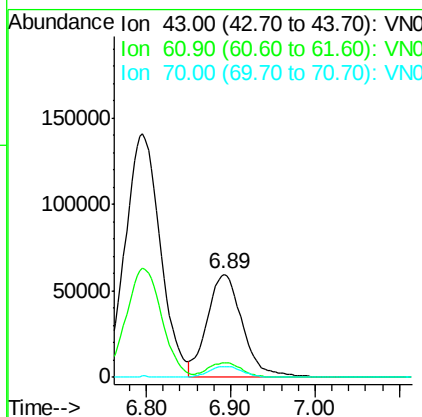
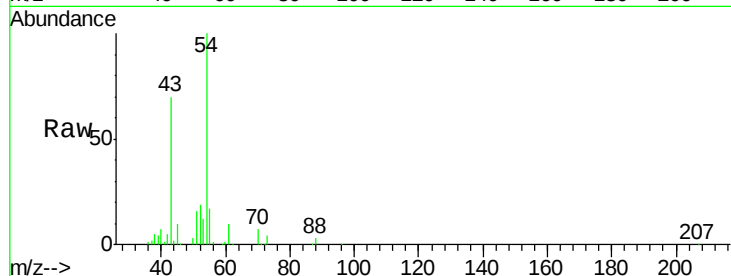
#37  
Ethyl Acetate  
Concen: 52.900 ug/l  
RT: 6.89 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.8  | 10.6  | 15.8  |
| 70      | 10.1  | 7.9   | 11.9  |

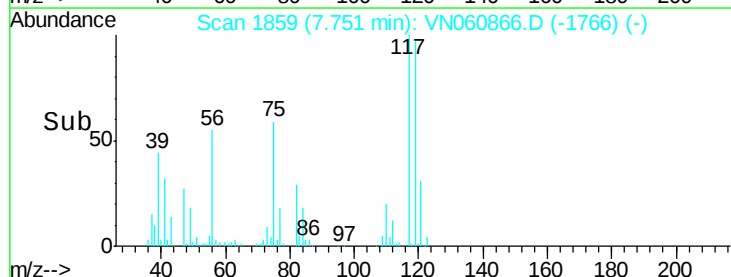
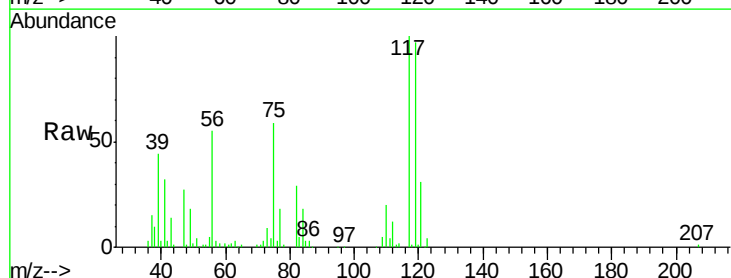
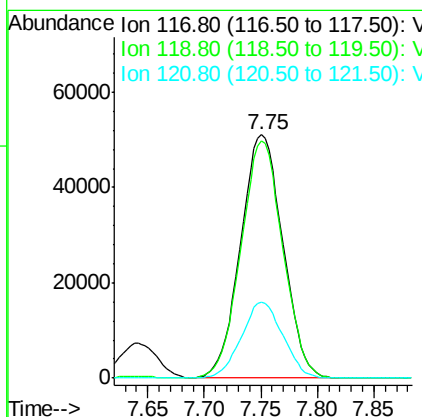
Manual Integrations  
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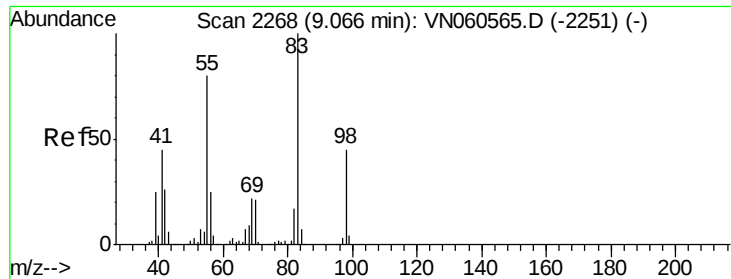
MMDadoda  
4/7/2020 3:21:51 PM



#38  
Carbon Tetrachloride  
Concen: 49.217 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.4  | 76.2  | 114.2 |
| 121     | 31.3  | 23.7  | 35.5  |





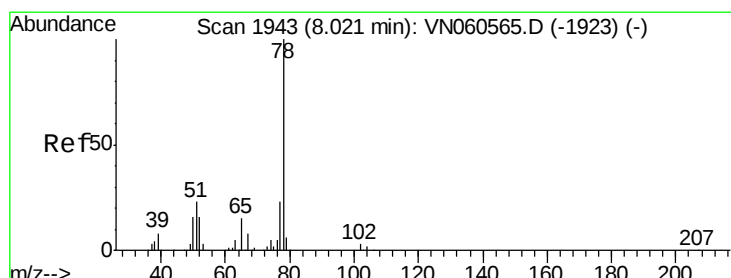
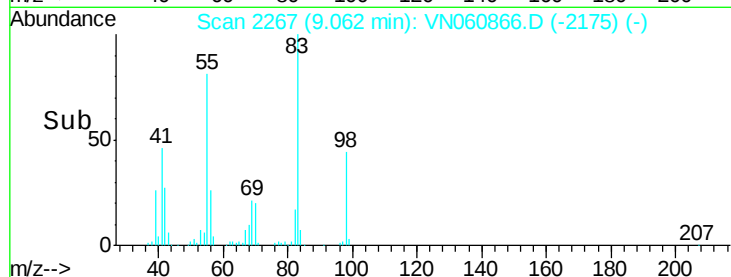
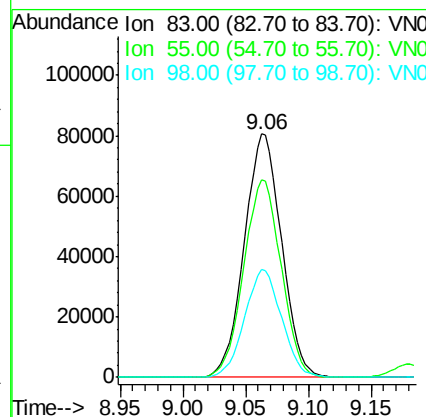
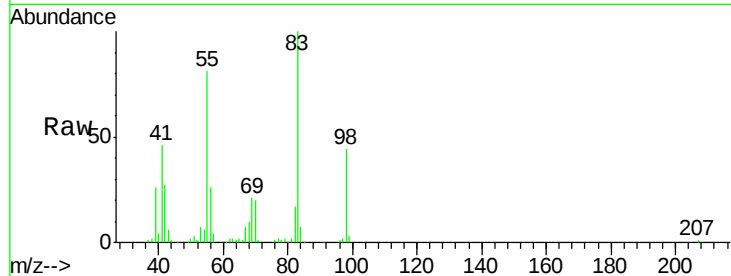
#39  
Methvlcvclohexane  
Concen: 46.664 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 166885 |       |       |
| 55      | 81.2  | 63.6   | 95.4  |       |
| 98      | 44.1  | 36.0   | 54.0  |       |

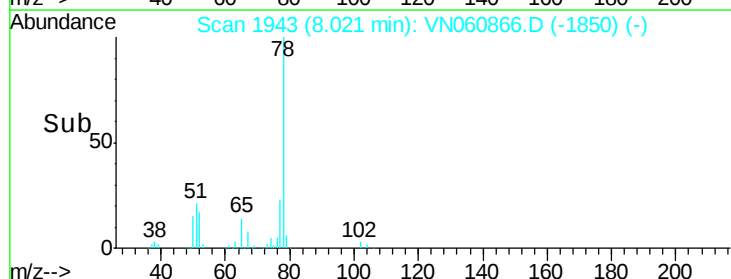
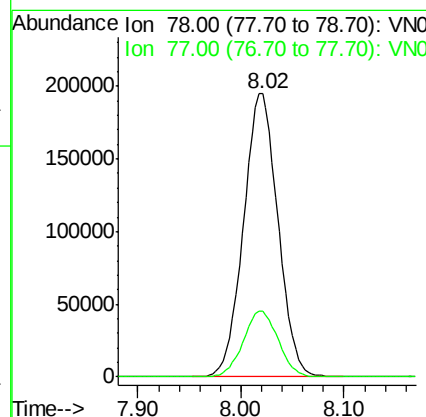
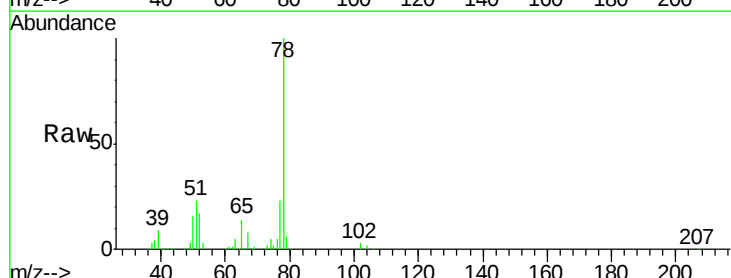
Manual Integrations  
APPROVED

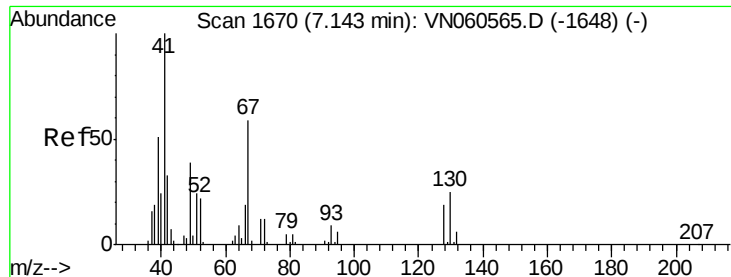
MMDadoda  
4/7/2020 3:21:51 PM



#40  
Benzene  
Concen: 49.787 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 452299 |       |       |
| 77      | 23.0  | 18.6   | 28.0  |       |





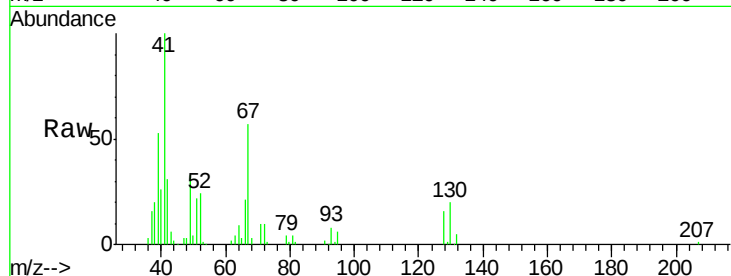
#41  
Methacrylonitrile  
Concen: 57.898 ug/l m  
RT: 7.14 min Scan# 1669  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 41      | 100 |       | 80347 |       |       |
| 39      | 0.0 | 0.0   | 0.0   |       |       |
| 67      | 0.0 | 0.0   | 0.0   |       |       |
| 52      | 0.0 | 0.0   | 0.0   |       |       |

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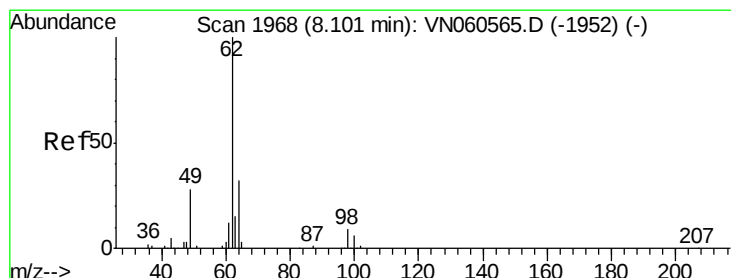
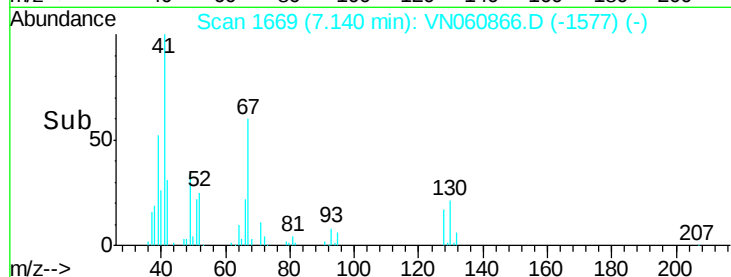
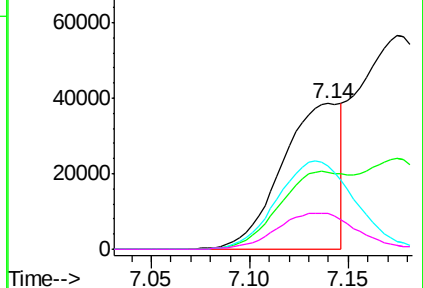


Abundance Ion 41.00 (40.70 to 41.70): VN060866.D (-1577) (-)

Ion 39.00 (38.70 to 39.70): VN060866.D (-1577) (-)

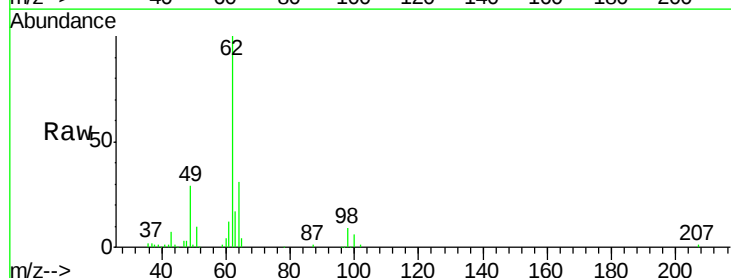
Ion 67.00 (66.70 to 67.70): VN060866.D (-1577) (-)

Ion 52.00 (51.70 to 52.70): VN060866.D (-1577) (-)



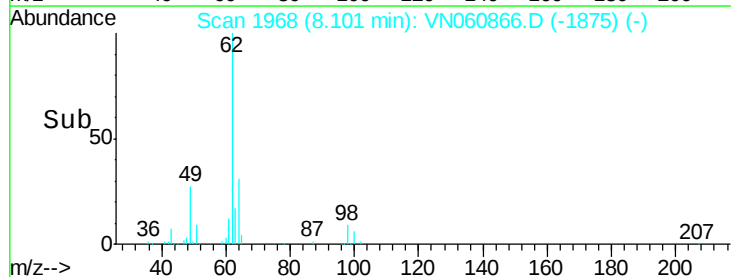
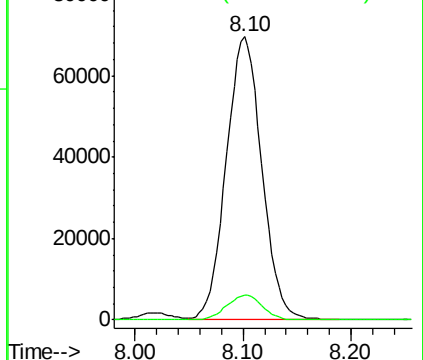
#42  
1,2-Dichloroethane  
Concen: 51.588 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

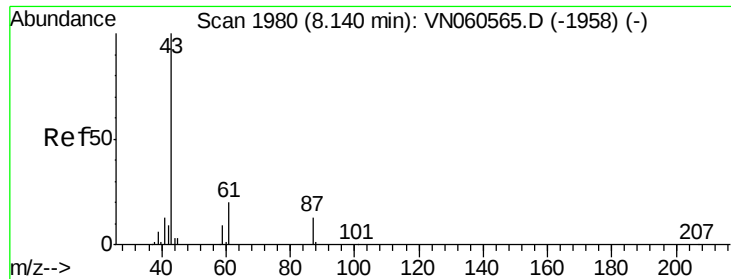
| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 160165 |       |       |
| 98      | 8.7 | 0.0   | 17.8   |       |       |



Abundance Ion 61.90 (61.60 to 62.60): VN060866.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN060866.D (-1875) (-)





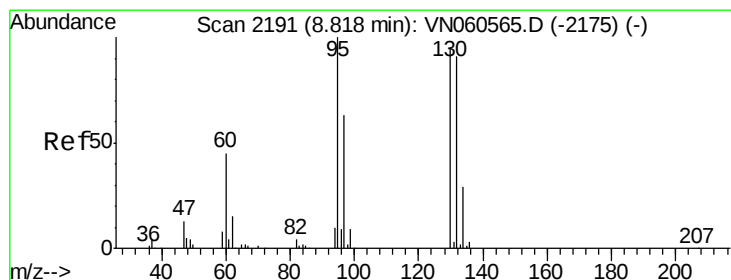
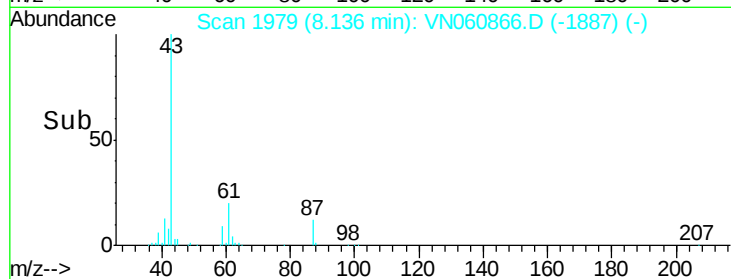
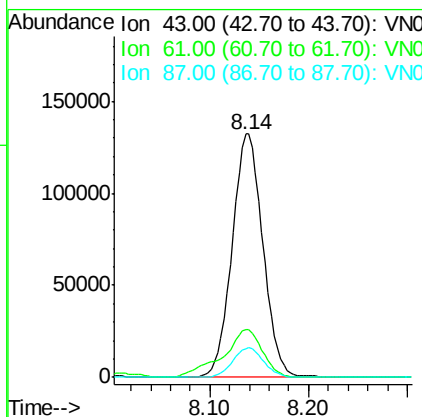
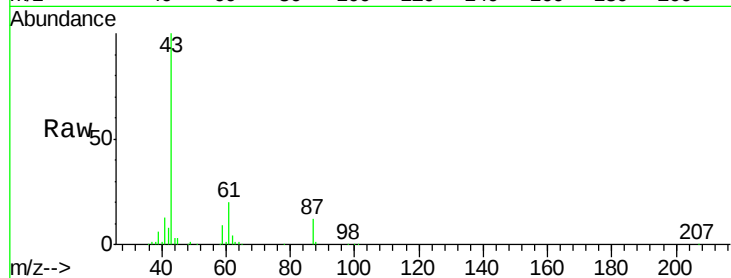
#43  
Isopropyl Acetate  
Concen: 53.303 ug/l  
RT: 8.14 min Scan# 1979  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43   | Resp  | 285847 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 61        | 25.6 | 20.7  | 31.1   |
| 87        | 12.2 | 9.8   | 14.8   |

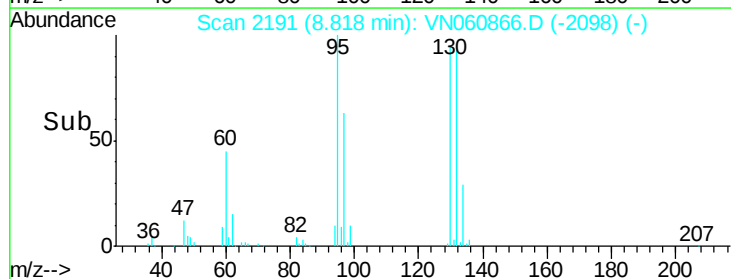
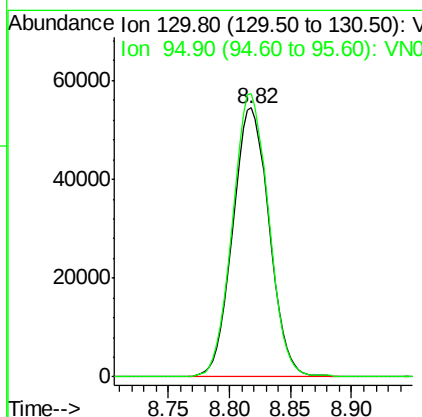
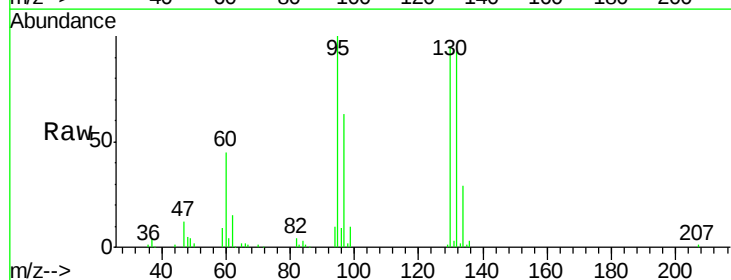
Manual Integrations  
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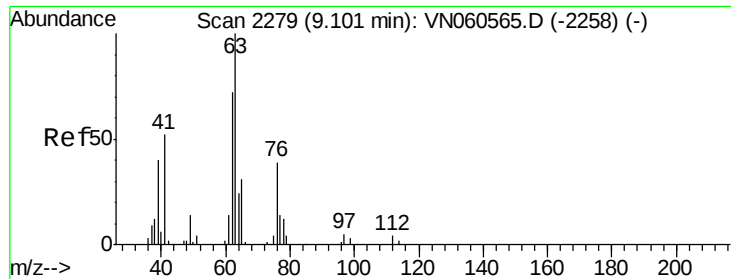
MMDadoda  
4/7/2020 3:21:51 PM



#44  
Trichloroethene  
Concen: 49.311 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion   | 130   | Resp  | 112930 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 130       | 100   |       |        |
| 95        | 105.2 | 0.0   | 211.2  |





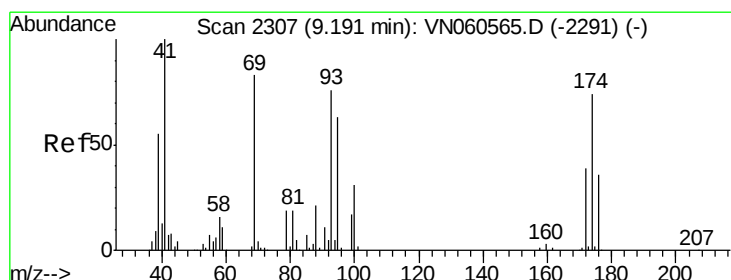
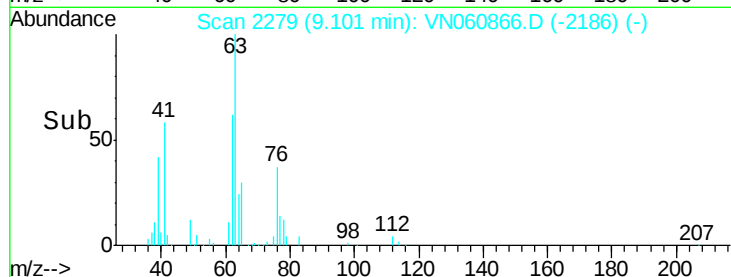
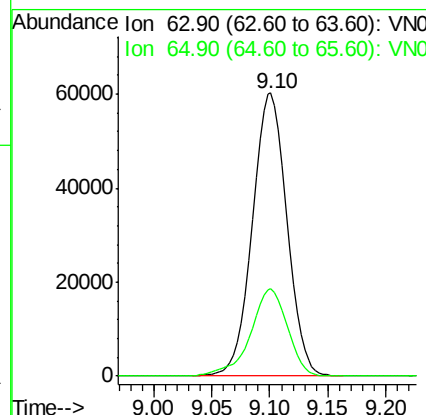
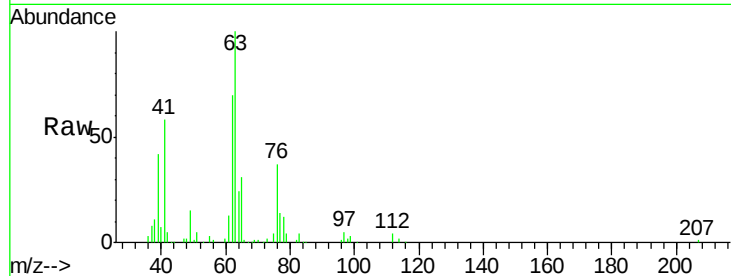
#45  
 1,2-Dichloropropane  
 Concen: 52.243 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.8  | 25.4  | 38.0  |

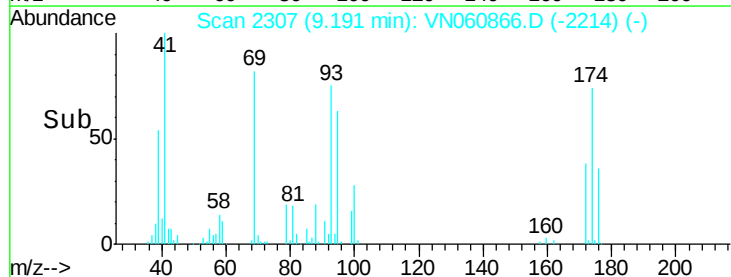
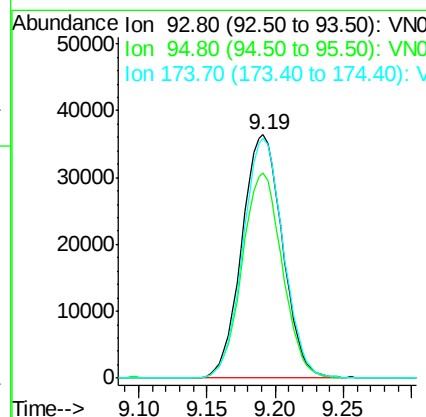
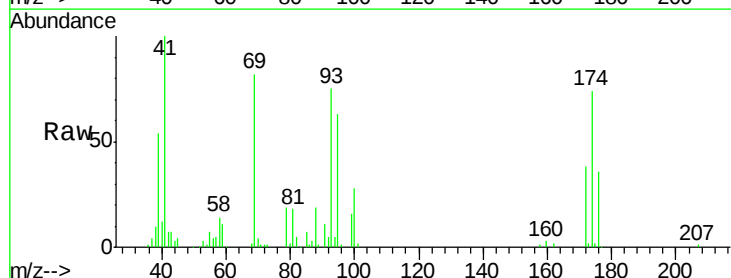
Manual Integrations  
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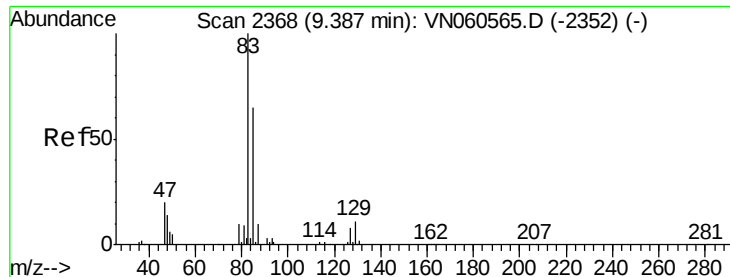
MMDadoda  
 4/7/2020 3:21:51 PM



#46  
 Dibromomethane  
 Concen: 52.043 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.1  | 66.2  | 99.4  |
| 174     | 97.3  | 77.9  | 116.9 |





#47

Bromodichloromethane

Concen: 52.713 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

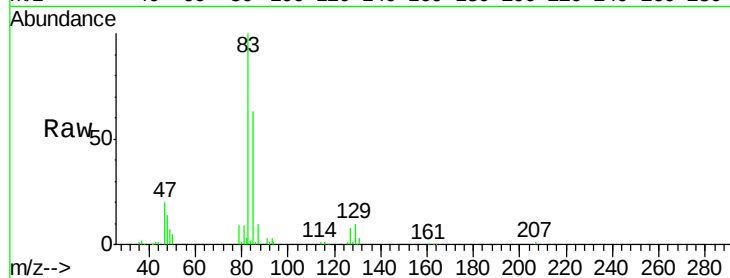
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 158744 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.4  | 51.8  | 77.6   |
| 127      | 8.3   | 6.5   | 9.7    |

Manual Integrations  
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MMDadoda  
4/7/2020 3:21:51 PM

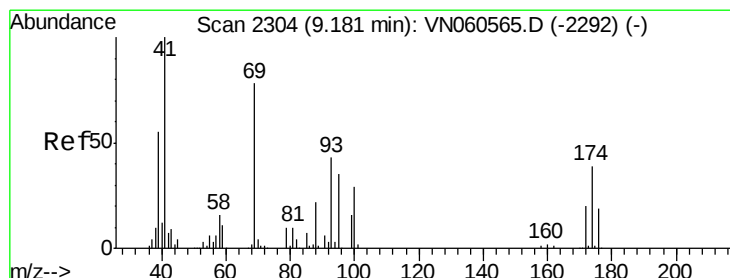
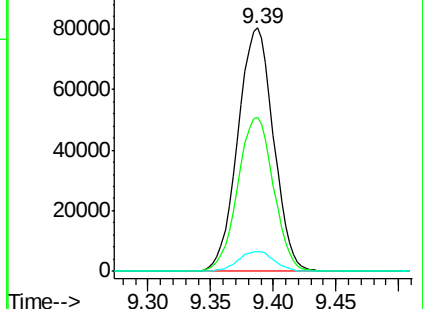
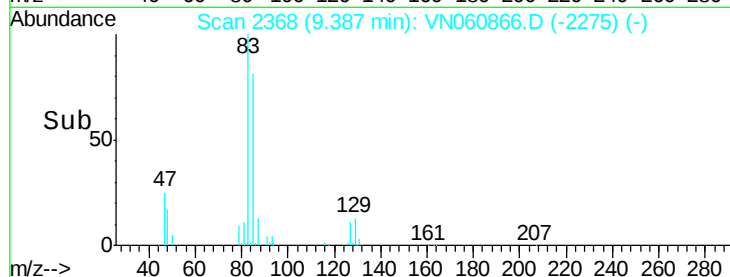


Abundance Ion 82.90 (82.60 to 83.60): VN060866.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060866.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060866.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 53.336 ug/l

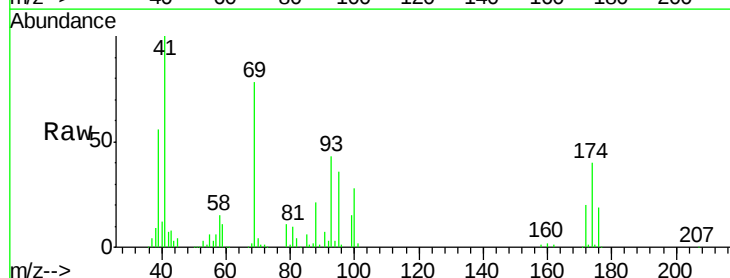
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 127346 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 81.8  | 65.4  | 98.0   |
| 39       | 56.9  | 44.0  | 66.0   |

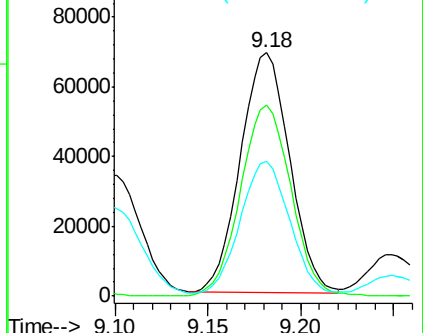
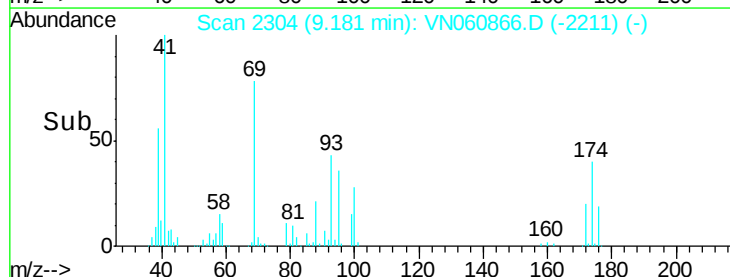


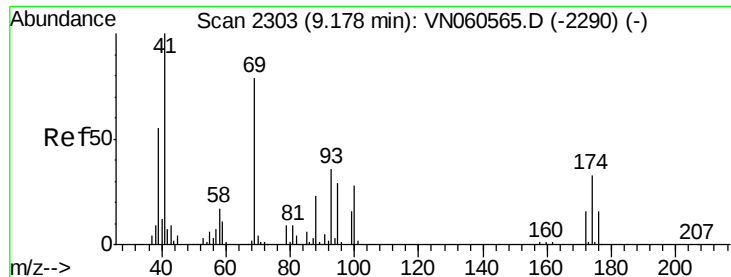
Abundance Ion 41.00 (40.70 to 41.70): VN060866.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060866.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060866.D (-2211) (-)

Time-->





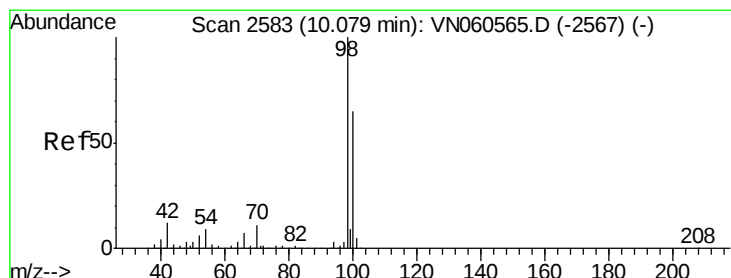
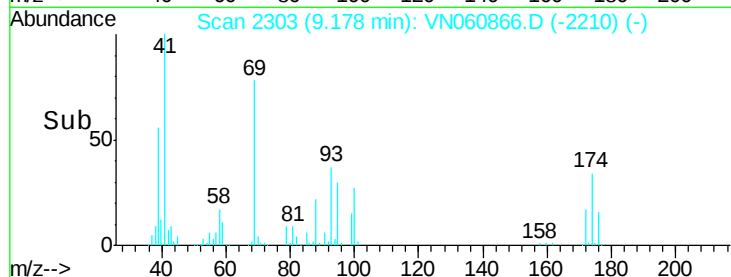
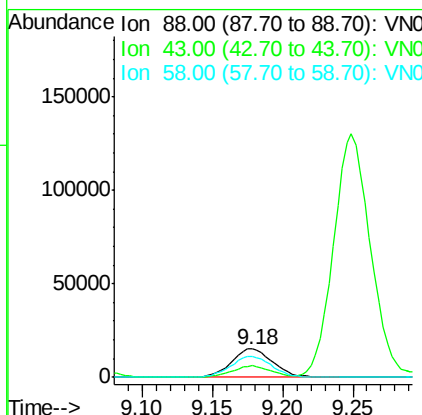
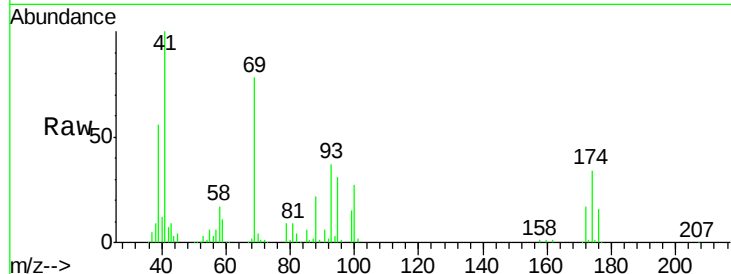
#49  
1,4-Dioxane  
Concen: 1092.677 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.7  | 30.8  | 46.2  |
| 58      | 74.7  | 59.8  | 89.8  |

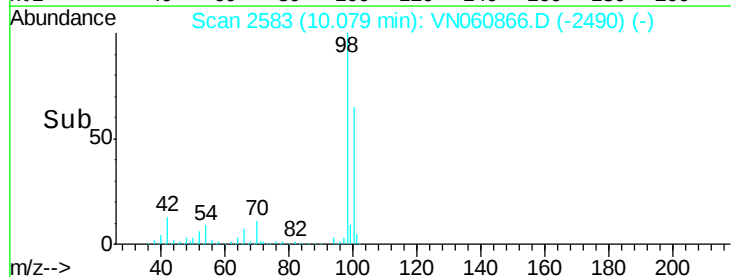
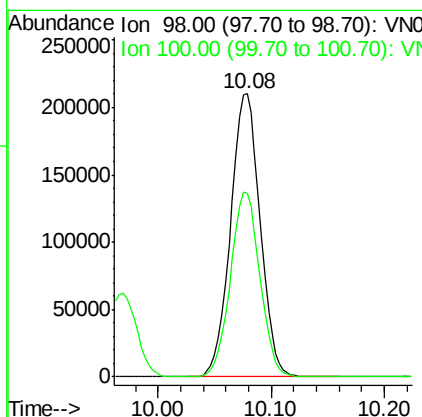
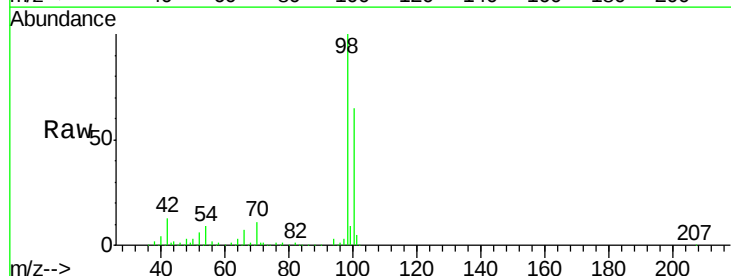
Manual Integrations  
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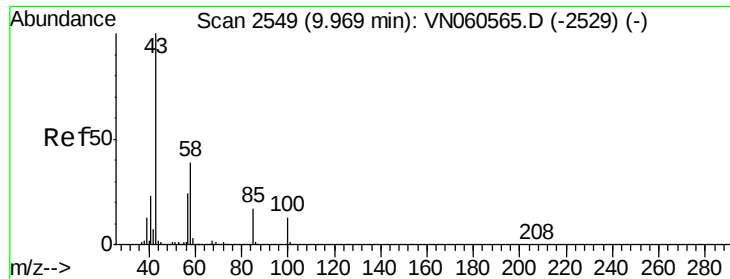
MMDadoda  
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#50  
Toluene-d8  
Concen: 49.809 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.0  | 51.8  | 77.8  |





#51

4-Methyl-2-Pentanone

Concen: 280.226 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 855144

Ion Ratio Lower Upper

43 100

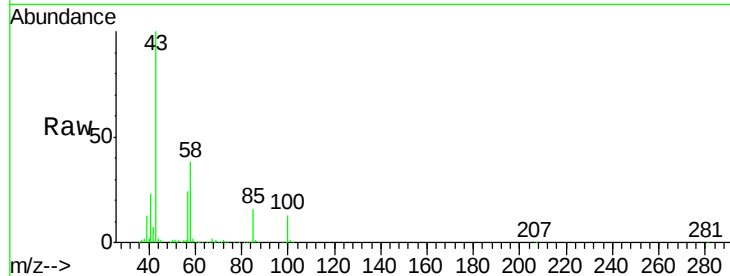
58 38.1 30.8 46.2

Manual Integrations

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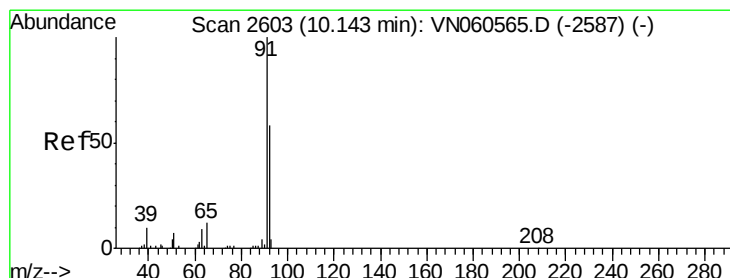
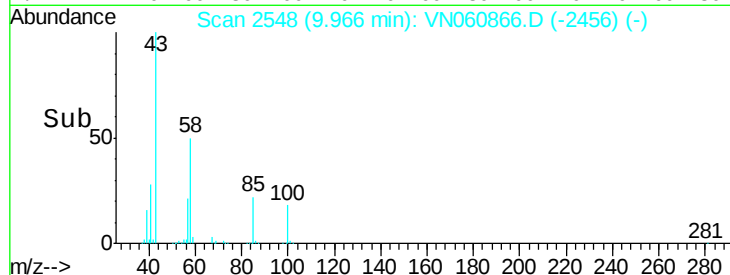
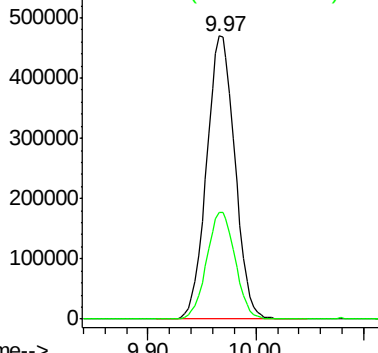
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.725 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060866.D

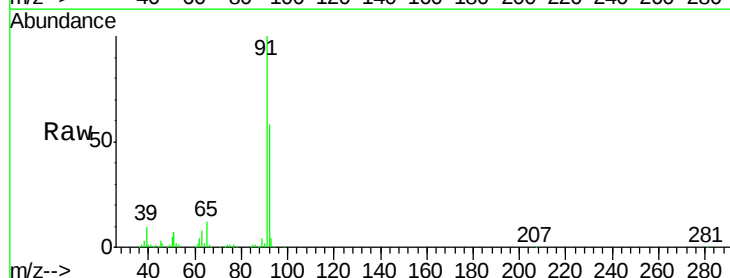
Acq: 6 Apr 2020 20:51

Tgt Ion: 92 Resp: 272814

Ion Ratio Lower Upper

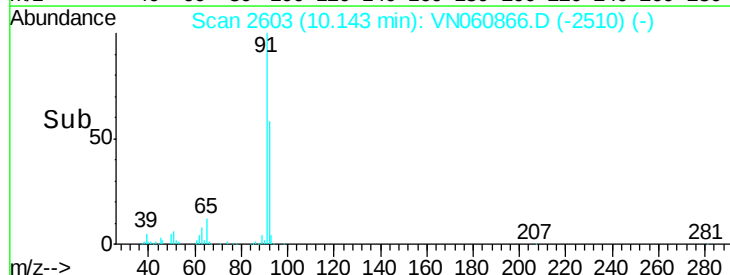
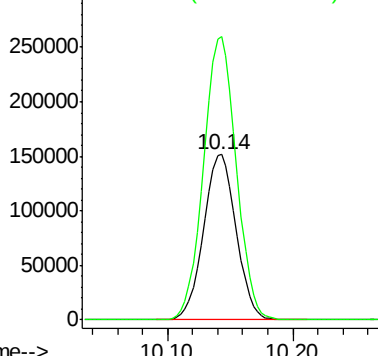
92 100

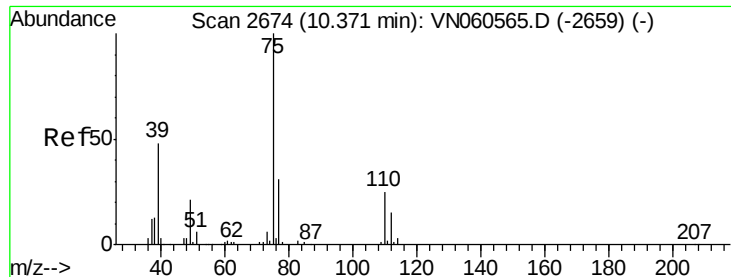
91 172.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





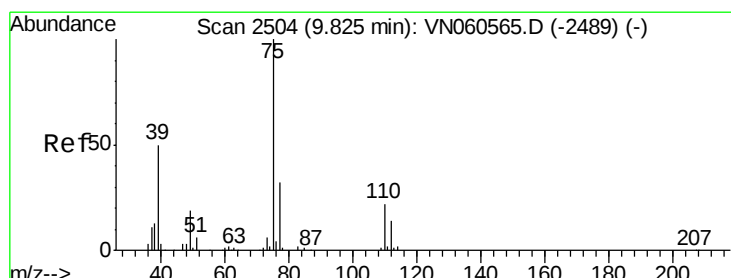
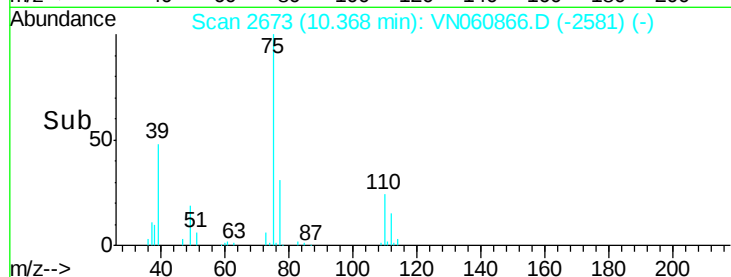
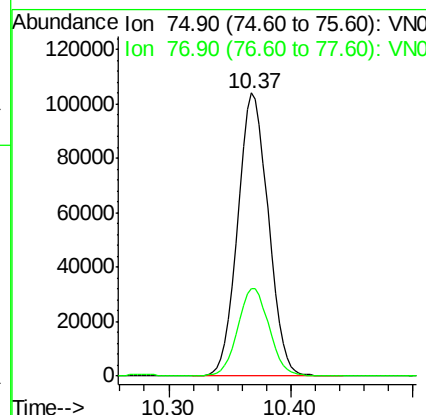
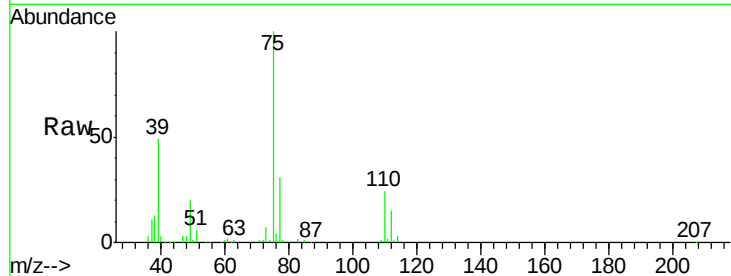
#53  
t-1,3-Dichloropropene  
Concen: 52.231 ug/l  
RT: 10.37 min Scan# 2673  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 180680  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.1 37.7

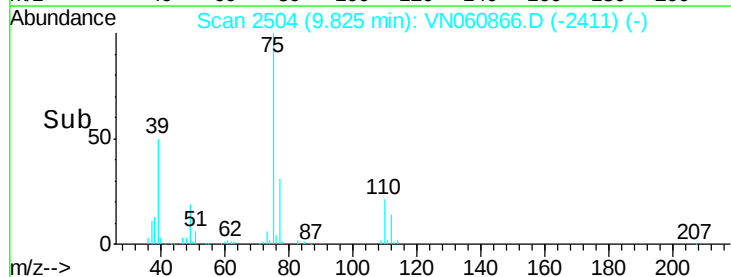
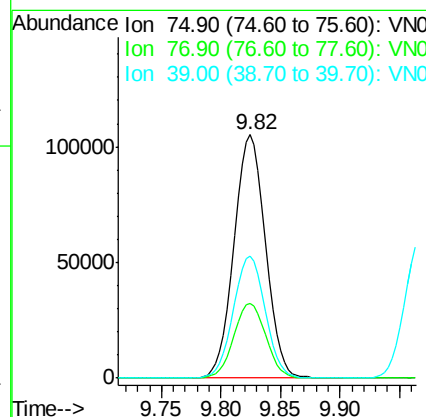
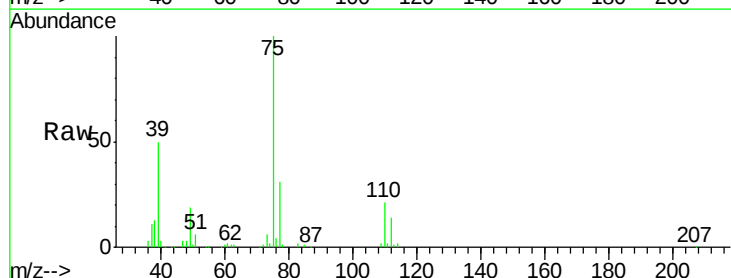
Manual Integrations  
APPROVED

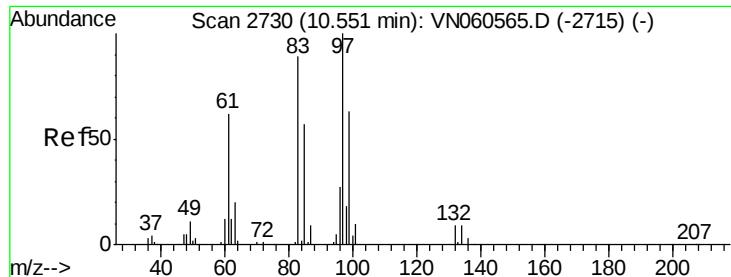
MMDadoda  
4/7/2020 3:21:51 PM



#54  
cis-1,3-Dichloropropene  
Concen: 50.932 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Tgt Ion: 75 Resp: 193285  
Ion Ratio Lower Upper  
75 100  
77 30.8 25.4 38.0  
39 49.9 40.2 60.4





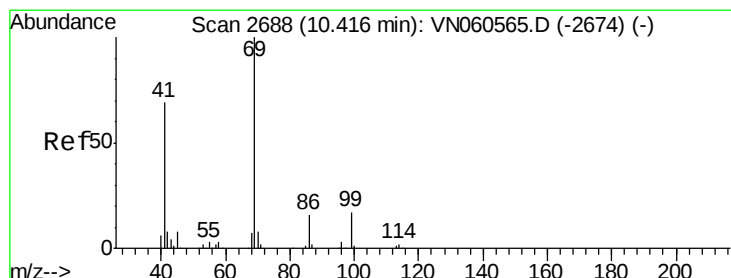
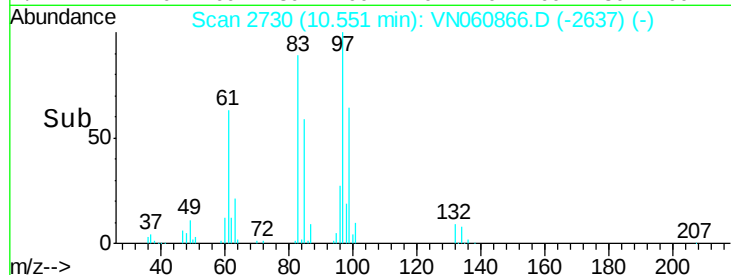
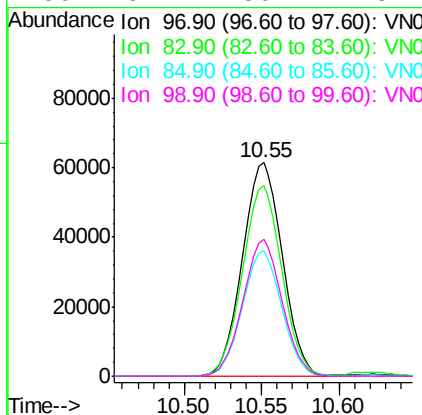
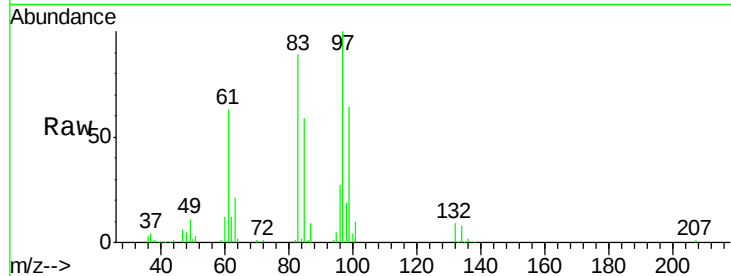
#55  
 1,1,2-Trichloroethane  
 Concen: 52.297 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 110386 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 89.1  | 71.3  | 106.9  |
| 85       | 58.7  | 45.2  | 67.8   |
| 99       | 64.1  | 50.1  | 75.1   |

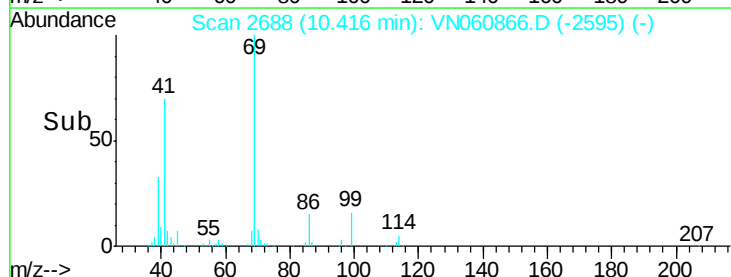
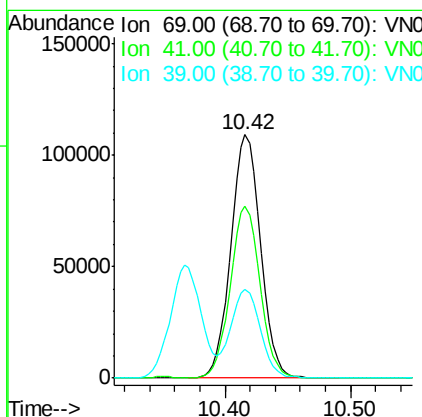
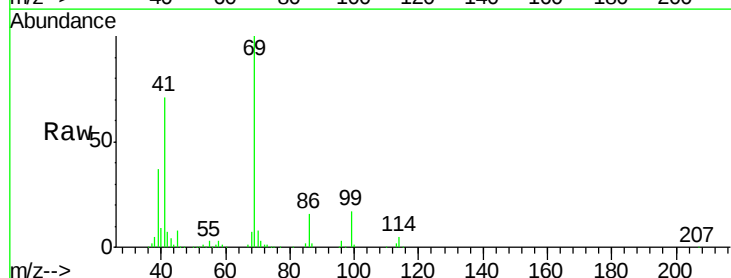
Manual Integrations  
 APPROVED

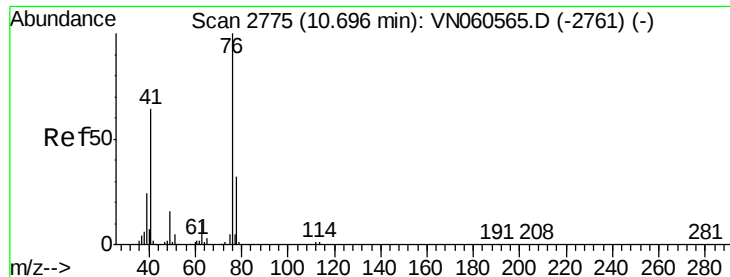
MMDadoda  
 4/7/2020 3:21:51 PM



#56  
 Ethyl methacrylate  
 Concen: 54.518 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 179425 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 70.2  | 55.4  | 83.2   |
| 39       | 36.5  | 29.4  | 44.0   |





#57

1,3-Dichloropropane

Concen: 52.543 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 192455

Ion Ratio Lower Upper

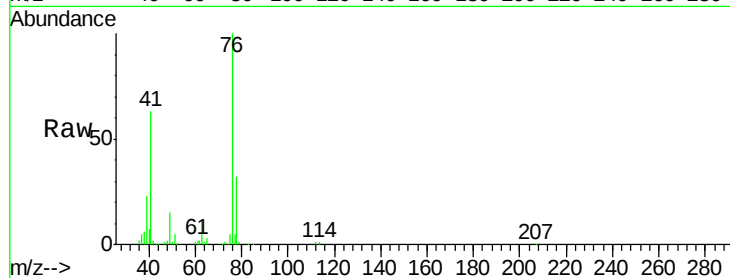
76 100

78 31.9 25.8 38.6

Manual Integrations  
APPROVED

MMDadoda

4/7/2020 3:21:51 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

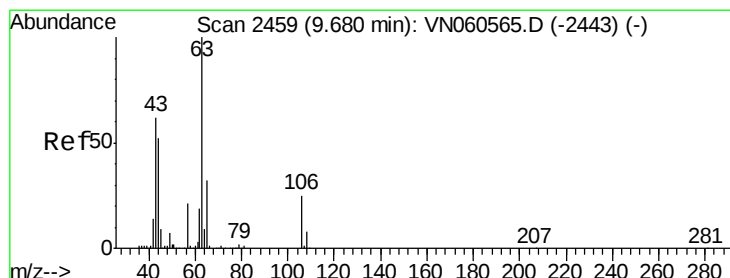
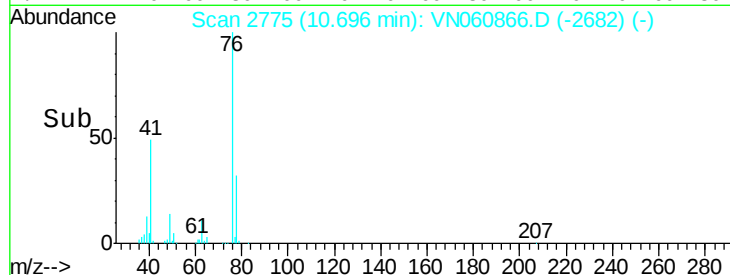
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 254.305 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060866.D

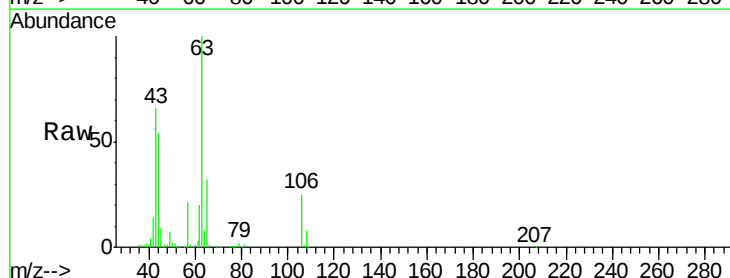
Acq: 6 Apr 2020 20:51

Tgt Ion: 63 Resp: 415974

Ion Ratio Lower Upper

63 100

106 24.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

250000

200000

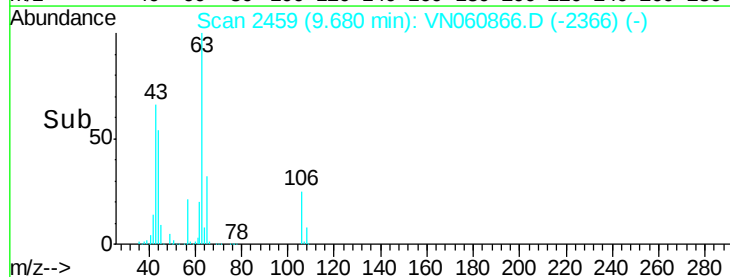
150000

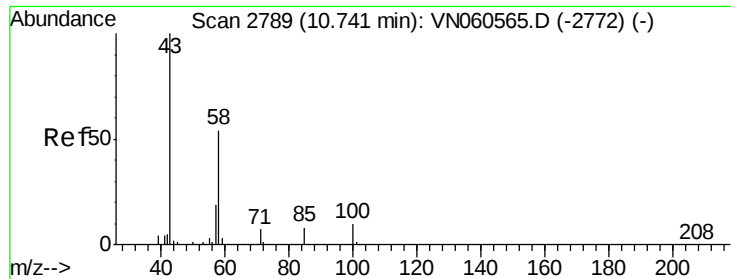
100000

50000

0

Time--> 9.60 9.70 9.80





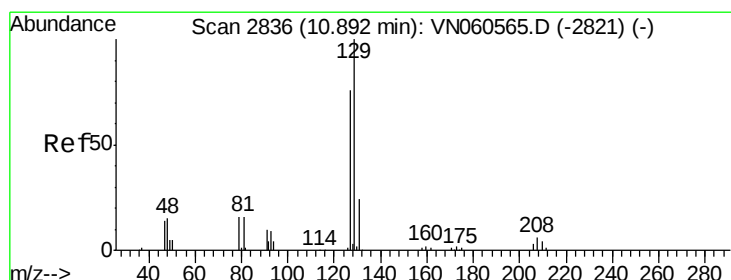
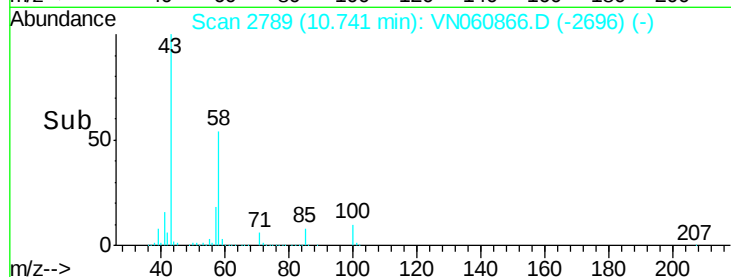
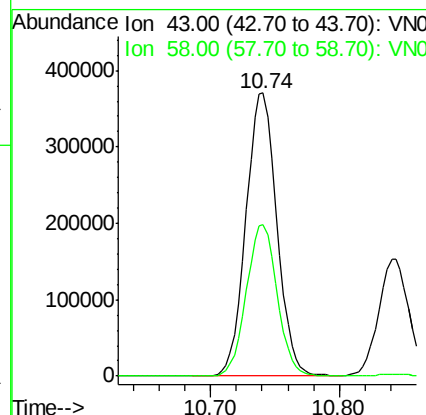
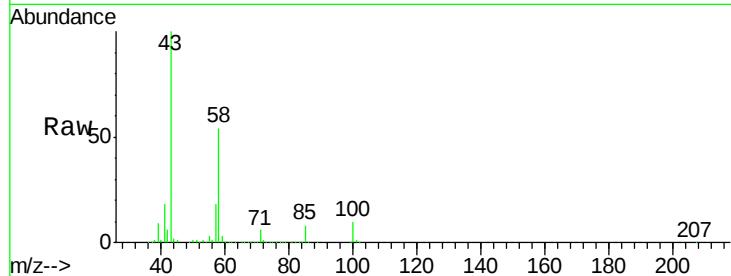
#59  
2-Hexanone  
Concen: 281.741 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 619335  
Ion Ratio Lower Upper  
43 100  
58 53.4 26.7 80.1

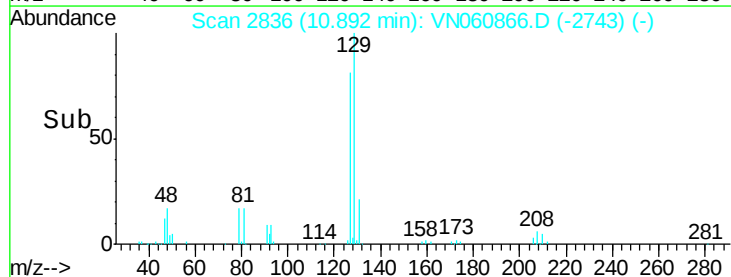
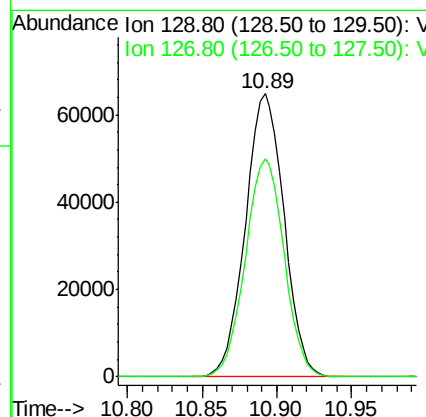
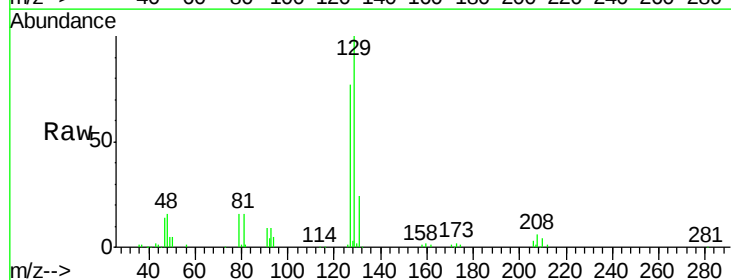
Manual Integrations  
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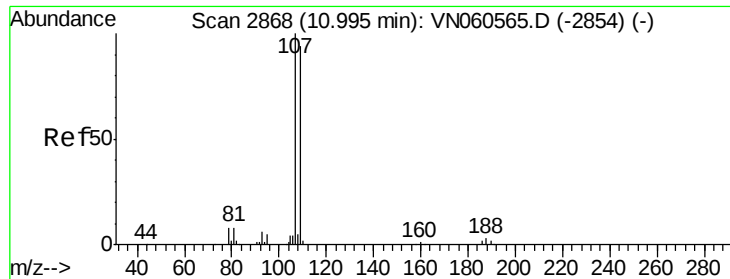
MMDadoda  
4/7/2020 3:21:51 PM



#60  
Dibromochloromethane  
Concen: 53.433 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Tgt Ion: 129 Resp: 116499  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.5 115.5





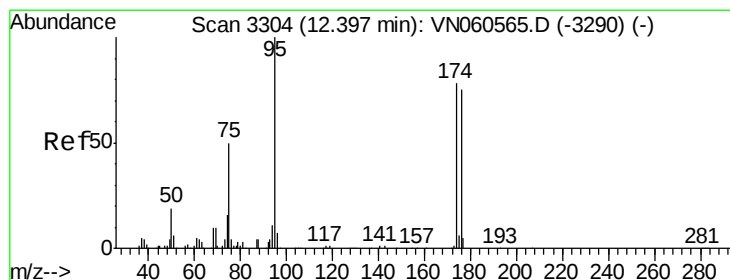
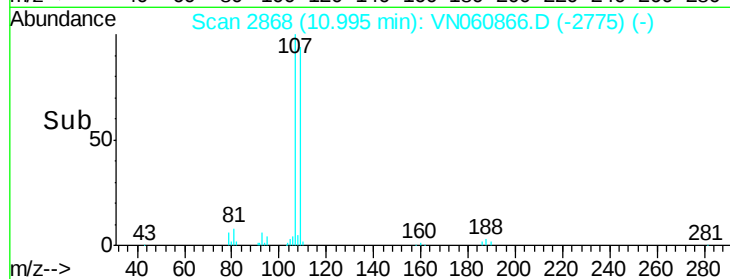
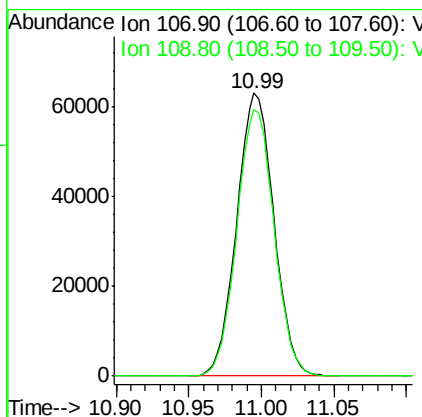
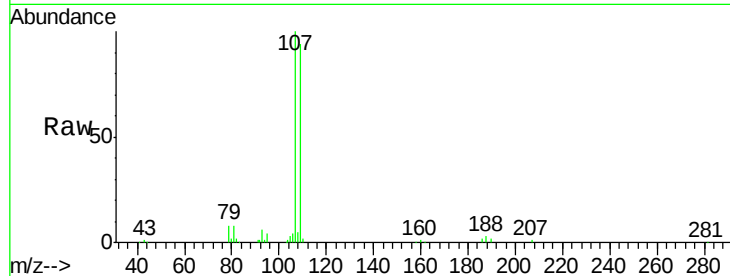
#61  
 1,2-Dibromoethane  
 Concen: 53.051 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 112598 |       |       |
| 109     | 94.4  | 75.4   | 113.2 |       |

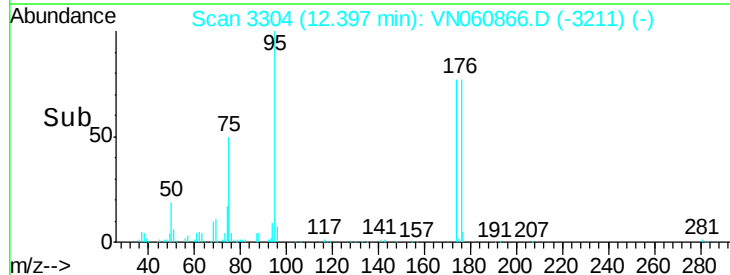
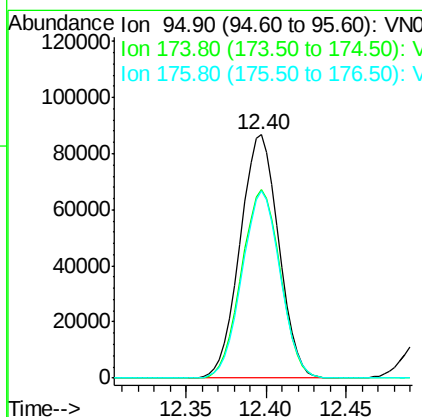
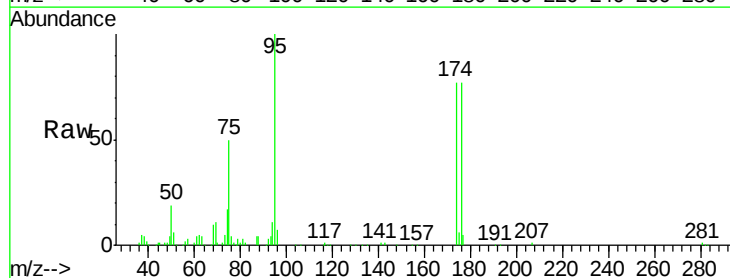
Manual Integrations  
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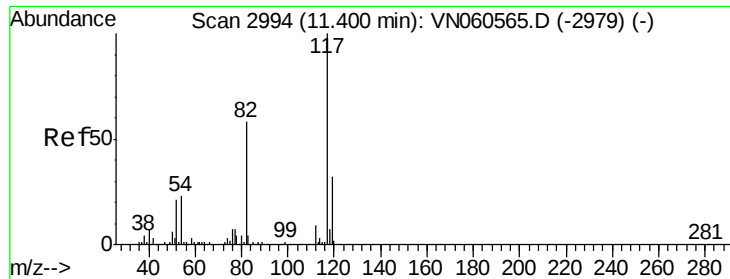
MMDadoda  
 4/7/2020 3:21:51 PM



#62  
 4-Bromofluorobenzene  
 Concen: 50.870 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 143103 |       |       |
| 174     | 78.2  | 0.0    | 157.6 |       |
| 176     | 76.2  | 0.0    | 150.6 |       |





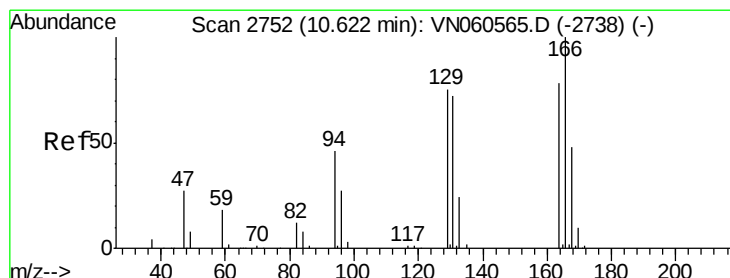
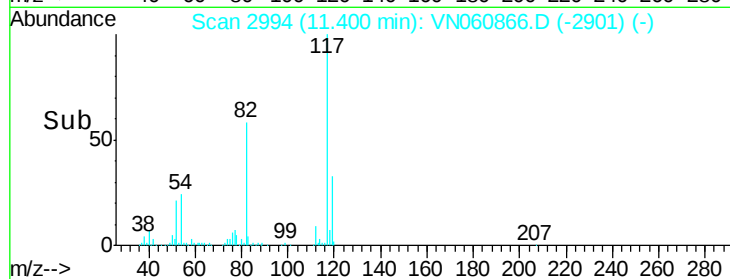
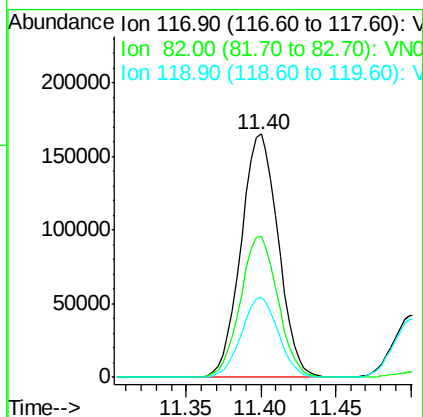
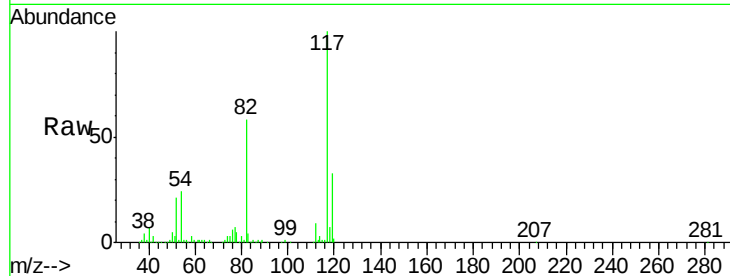
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.8  | 46.7  | 70.1  |
| 119     | 33.0  | 25.5  | 38.3  |

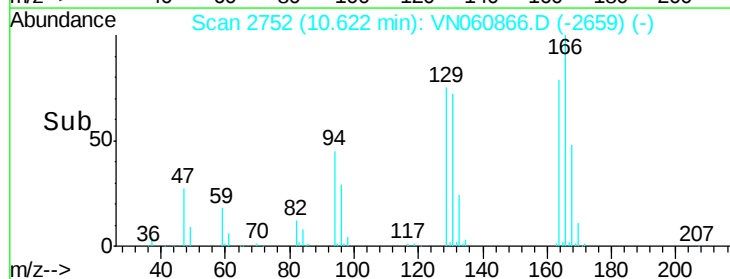
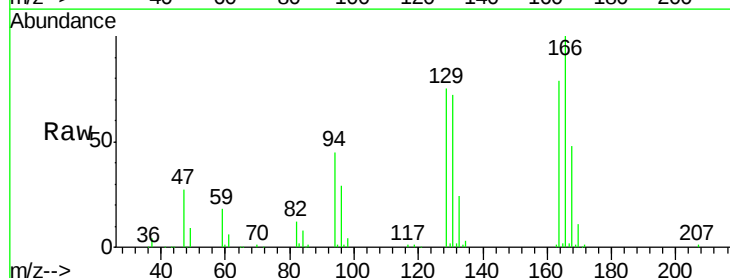
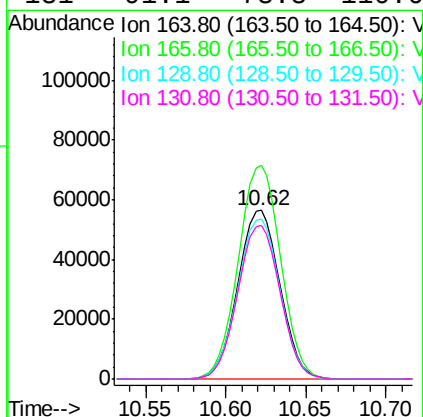
Manual Integrations  
APPROVED

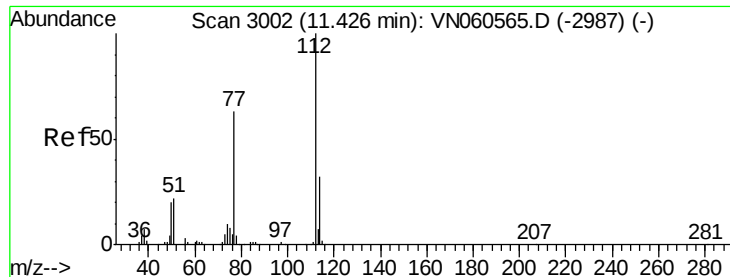
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 44.834 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.5 | 102.7 | 154.1 |
| 129     | 94.6  | 77.2  | 115.8 |
| 131     | 91.1  | 73.8  | 110.6 |





#65

Chlorobenzene

Concen: 49.178 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 280012

Ion Ratio Lower Upper

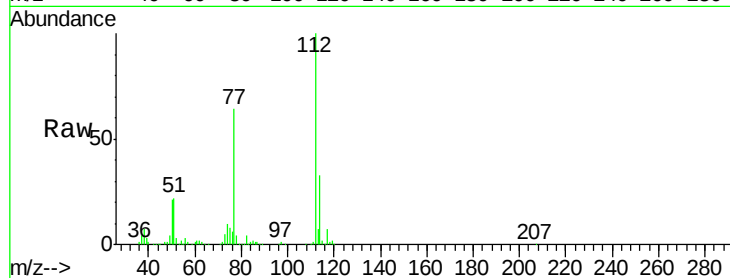
112 100

114 32.6 25.8 38.6

Manual Integrations  
APPROVED

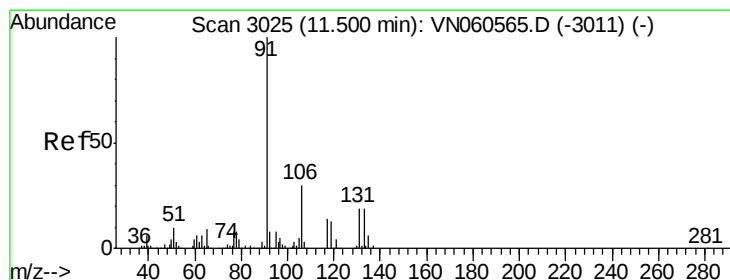
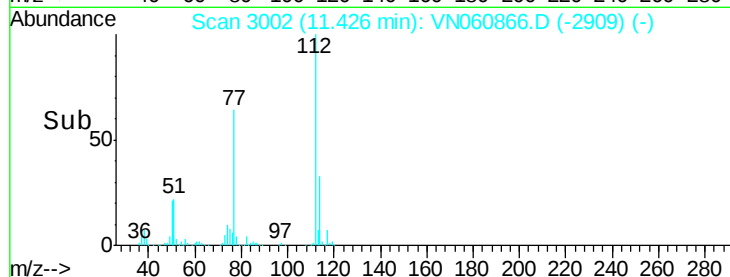
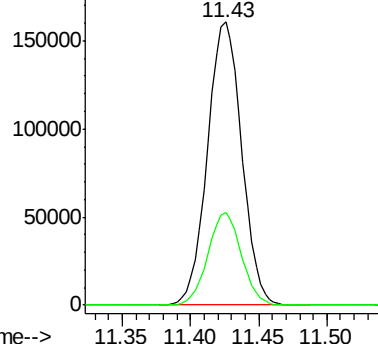
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.146 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

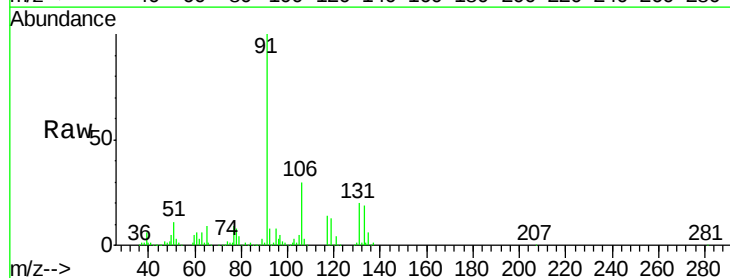
Tgt Ion:131 Resp: 105440

Ion Ratio Lower Upper

131 100

133 96.0 48.9 146.8

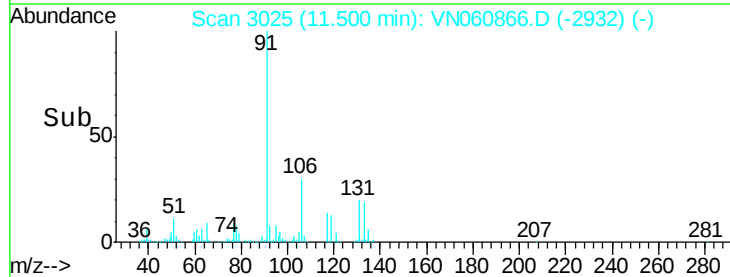
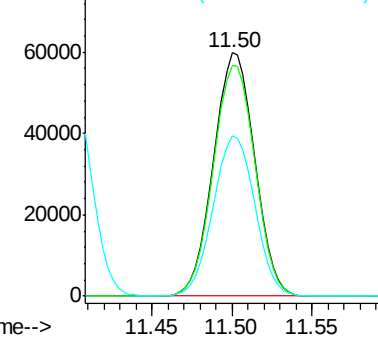
119 66.4 33.9 101.7

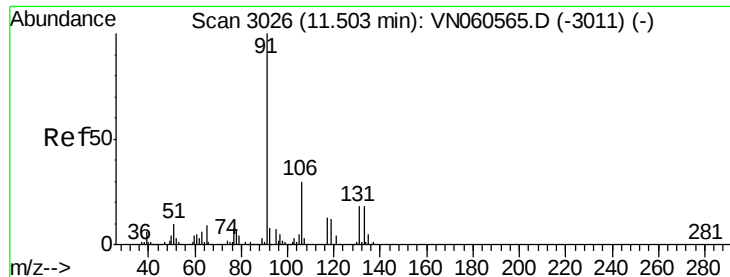


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





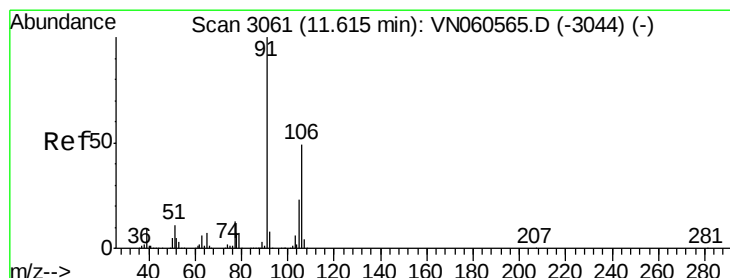
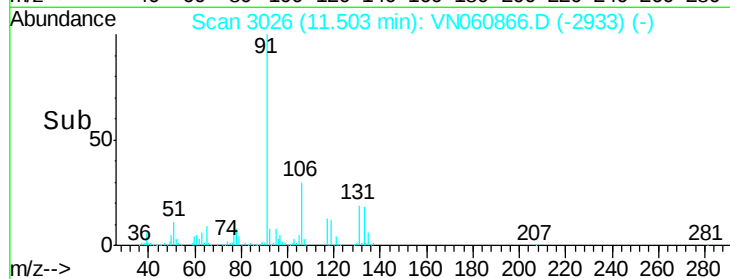
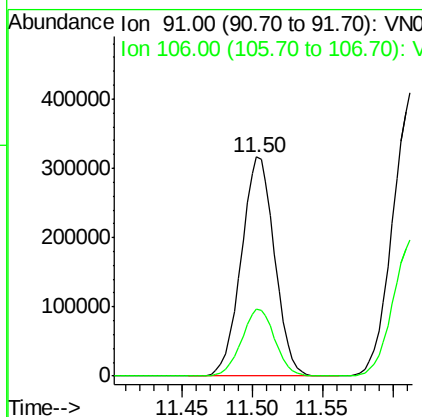
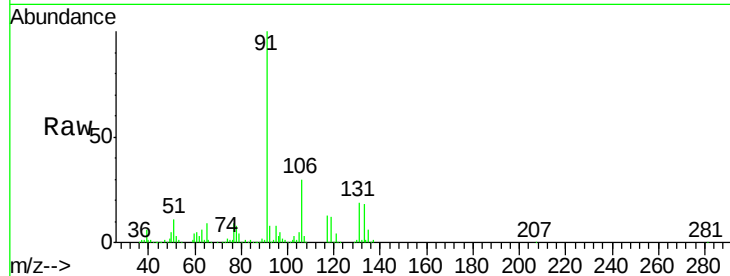
#67  
Ethyl Benzene  
Concen: 49.365 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 522713  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.2 36.2

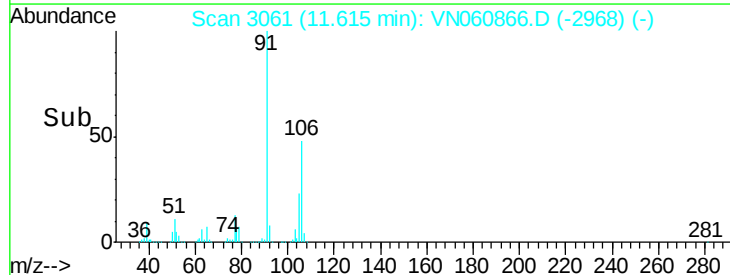
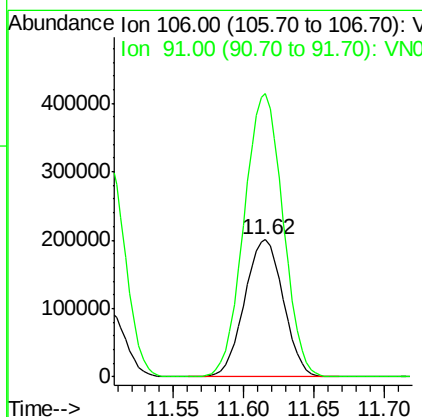
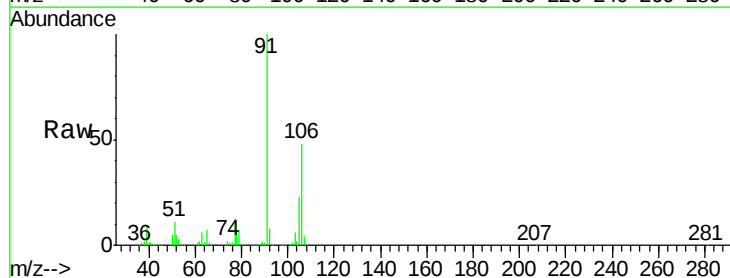
Manual Integrations  
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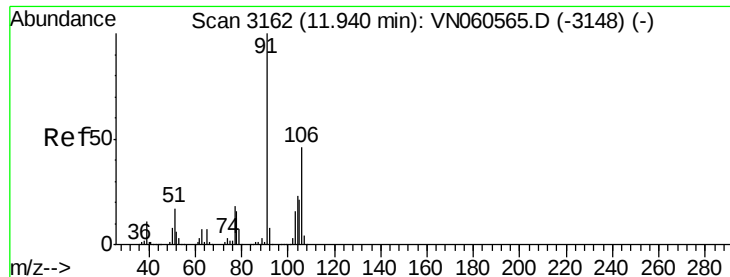
MMDadoda  
4/7/2020 3:21:51 PM



#68  
m/p-Xylenes  
Concen: 97.835 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Tgt Ion: 106 Resp: 384961  
Ion Ratio Lower Upper  
106 100  
91 207.7 165.0 247.4





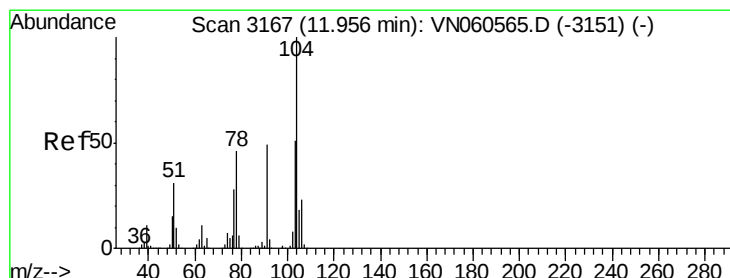
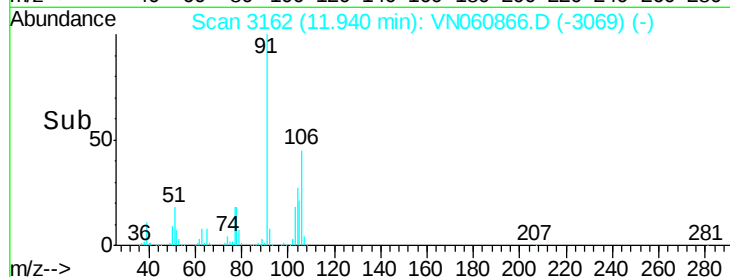
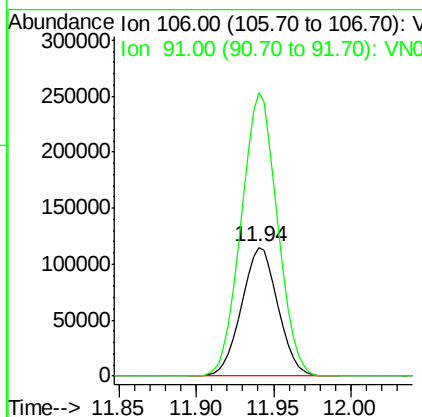
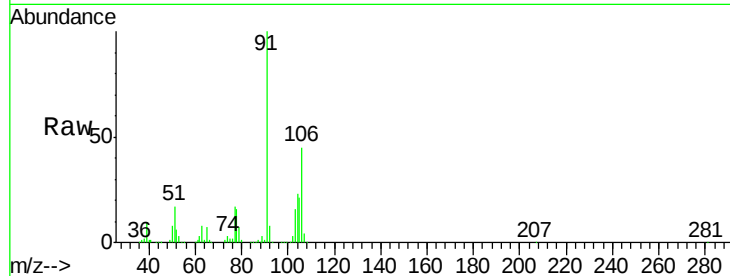
#69  
o-Xylene  
Concen: 49.920 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 187512 |       |       |
| 91      | 219.9 | 109.5 | 328.4  |       |       |

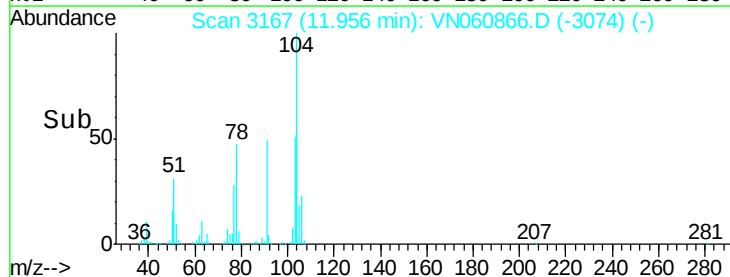
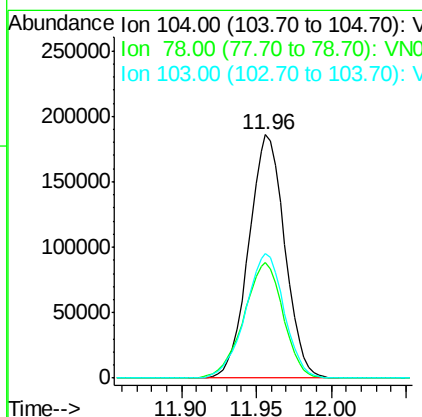
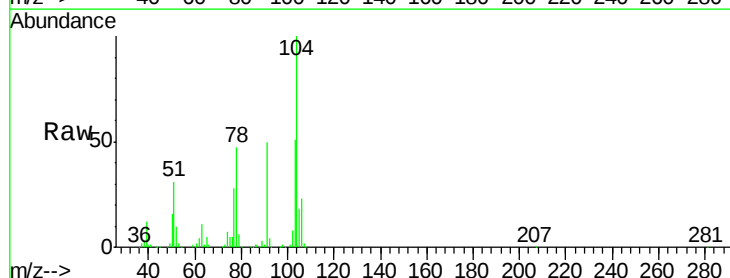
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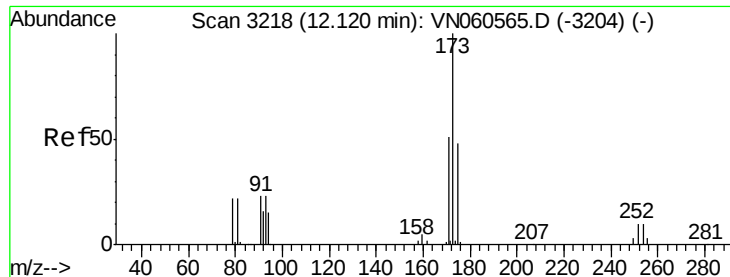
MMDadoda  
4/7/2020 3:21:51 PM



#70  
Styrene  
Concen: 50.715 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 311557 |       |       |
| 78      | 51.7 | 41.2  | 61.8   |       |       |
| 103     | 55.1 | 44.0  | 66.0   |       |       |





#71

Bromoform

Concen: 49.368 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

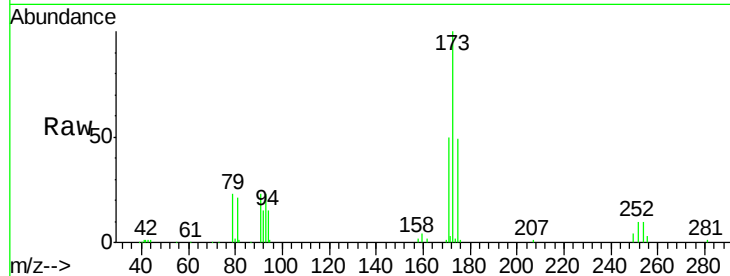
ClientSampleId :

VSTDCCC050EC

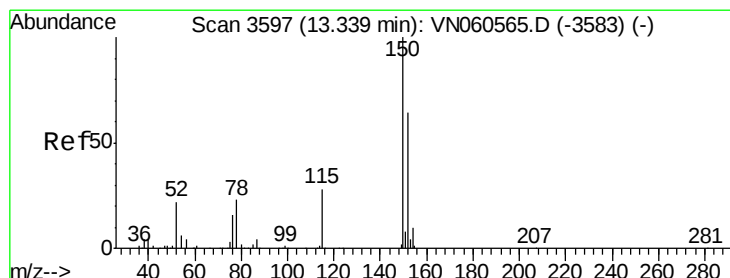
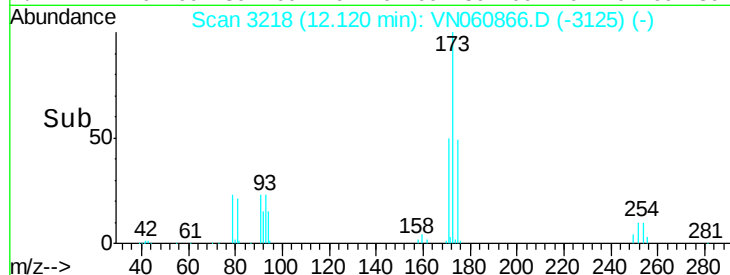
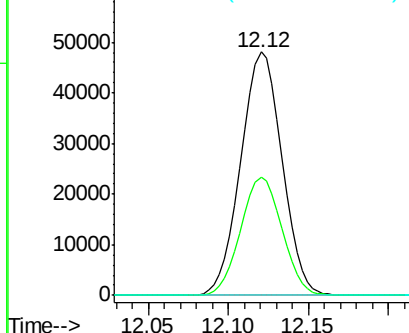
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 84550 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.6  | 24.1  | 72.4  |
| 254       | 0.0   | 0.0   | 0.0   |

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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

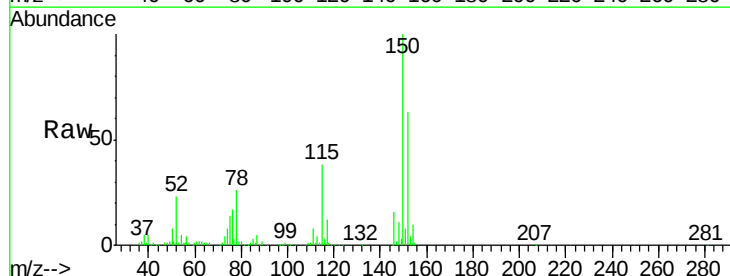
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

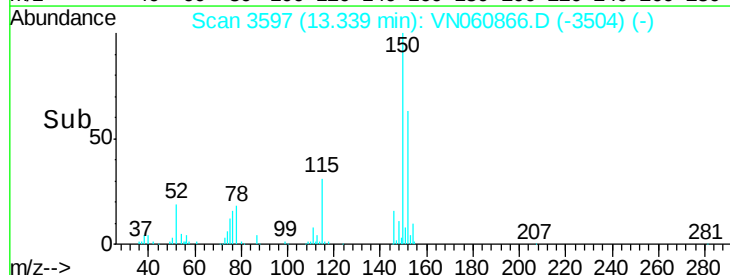
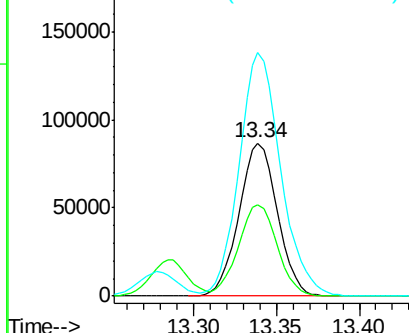
Lab File: VN060866.D

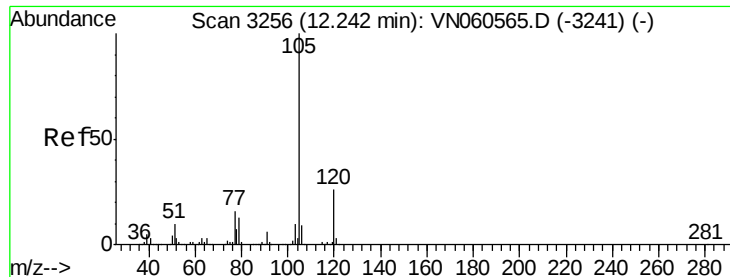
Acq: 6 Apr 2020 20:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 139611 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 60.3  | 30.2  | 90.6   |
| 150       | 172.6 | 0.0   | 350.2  |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.399 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 496614

Ion Ratio Lower Upper

105 100

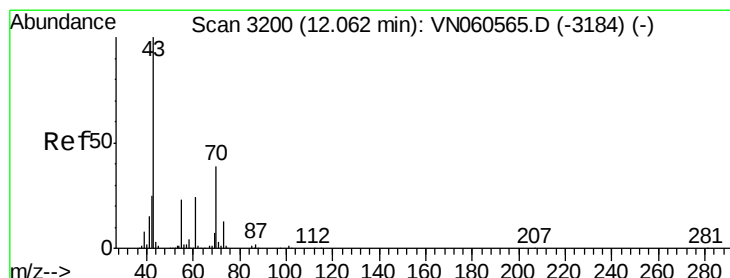
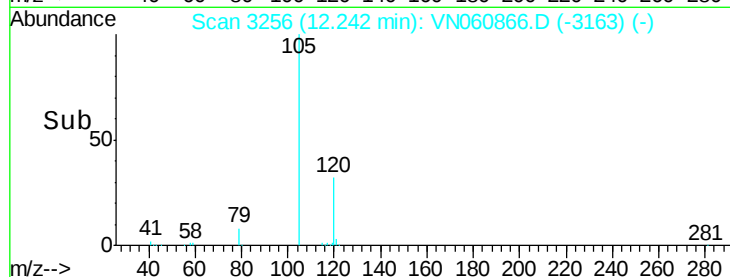
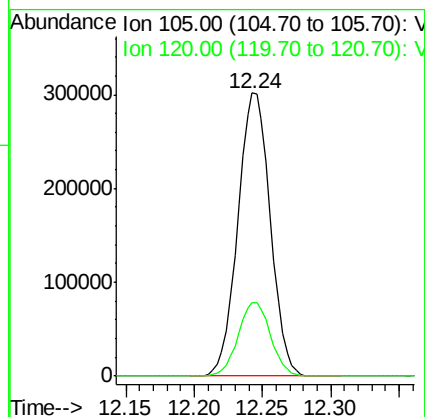
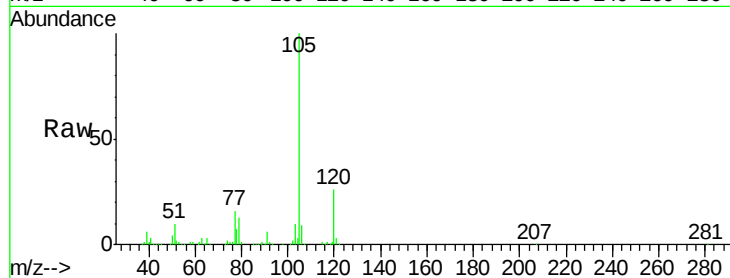
120 26.0 13.1 39.1

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#74

N-ethyl acetate

Concen: 51.545 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Tgt Ion: 43 Resp: 249550

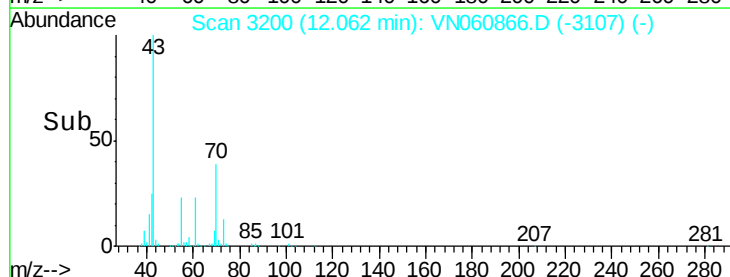
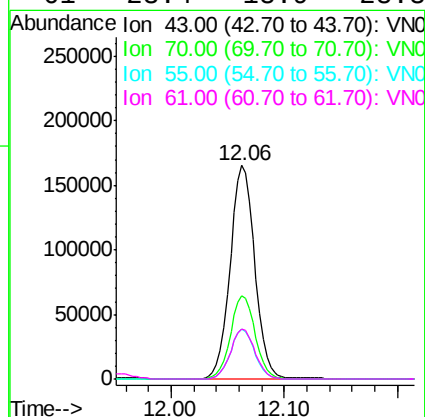
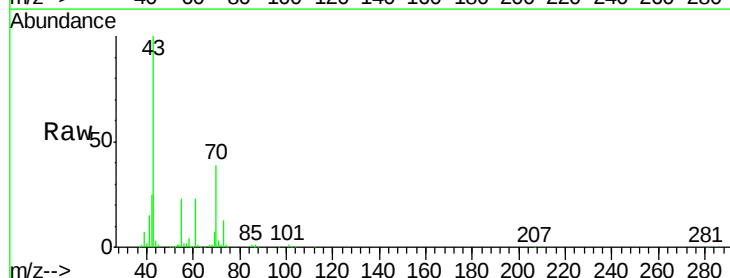
Ion Ratio Lower Upper

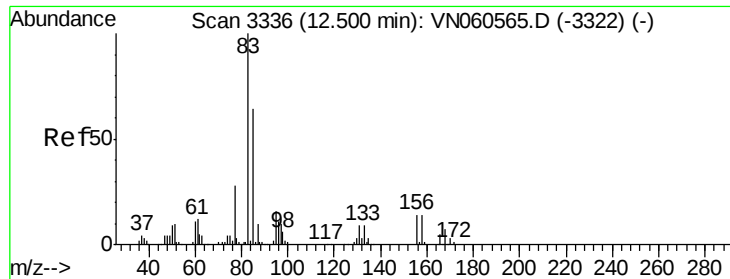
43 100

70 39.1 31.1 46.7

55 23.2 18.6 27.8

61 23.4 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.963 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

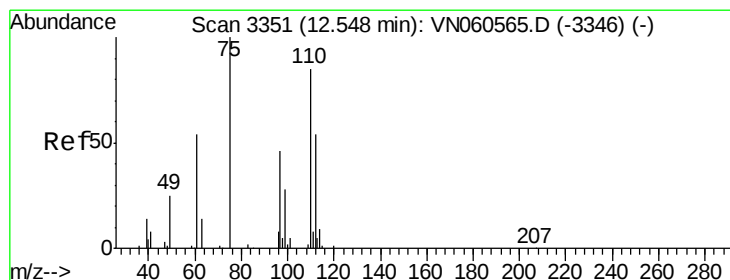
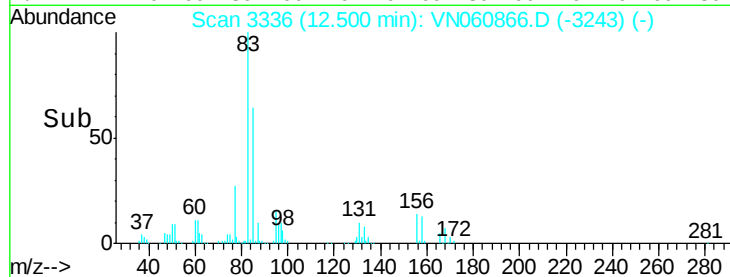
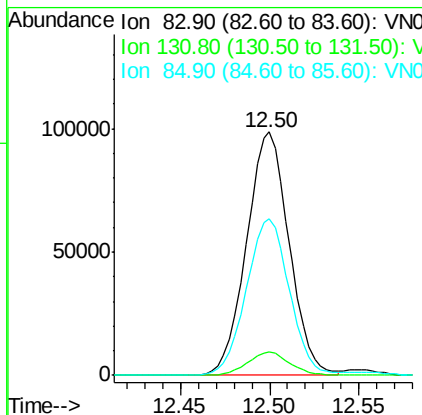
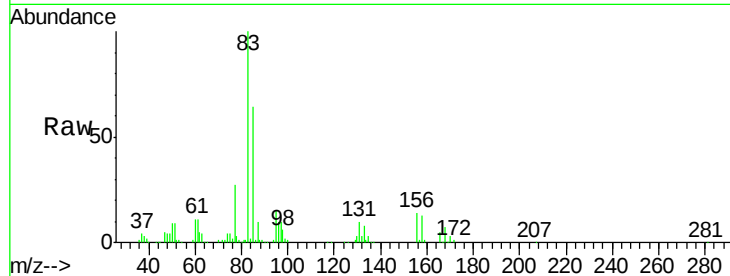
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 164639 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.5   | 4.9   | 14.7   |
| 85        | 64.8  | 32.5  | 97.4   |

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#76

1,2,3-Trichloropropane

Concen: 49.199 ug/l m

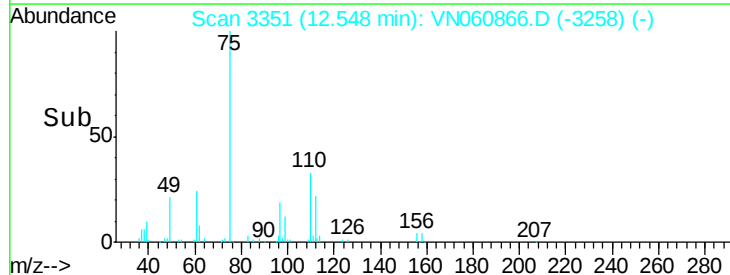
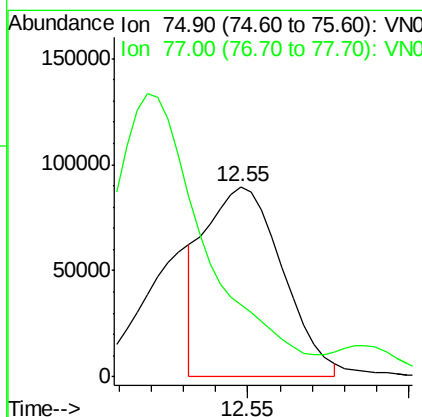
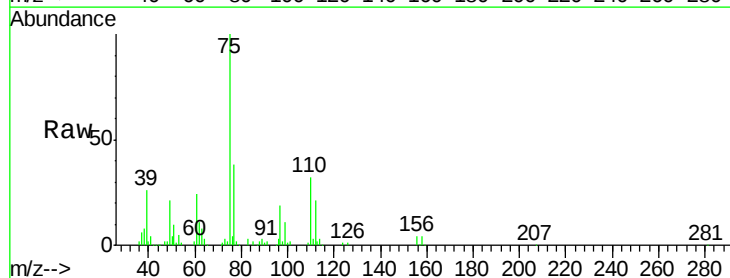
RT: 12.55 min Scan# 3351

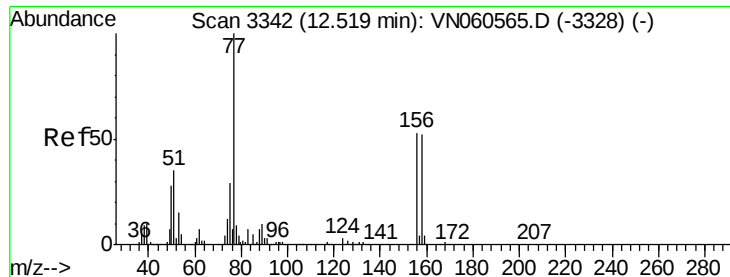
Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 148212 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 47.858 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 120824

Ion Ratio Lower Upper

156 100

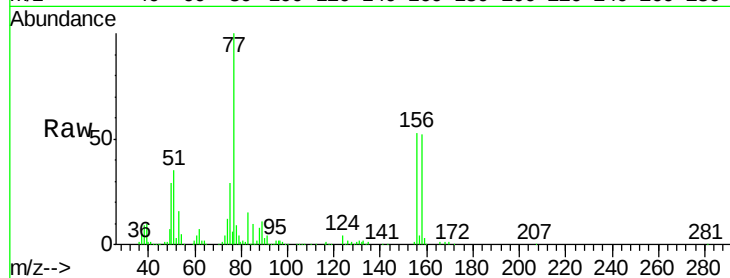
77 228.1 112.3 337.0

158 97.7 48.6 145.8

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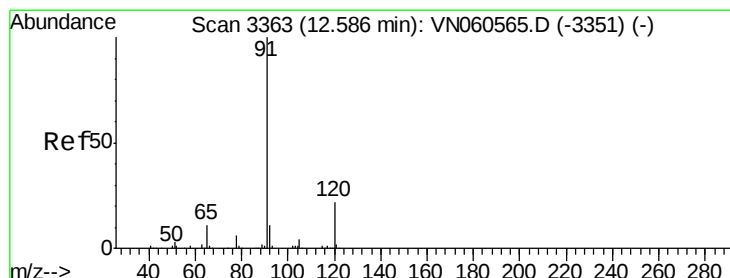
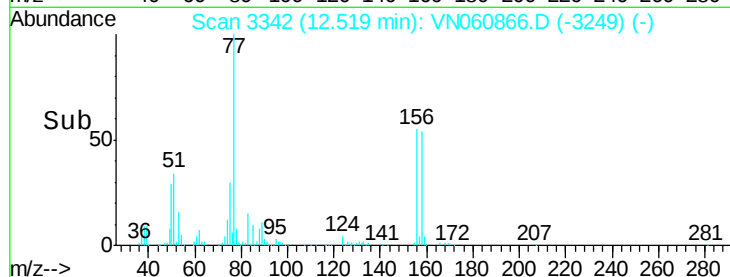
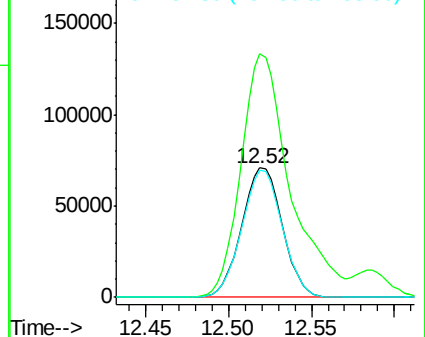
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.574 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060866.D

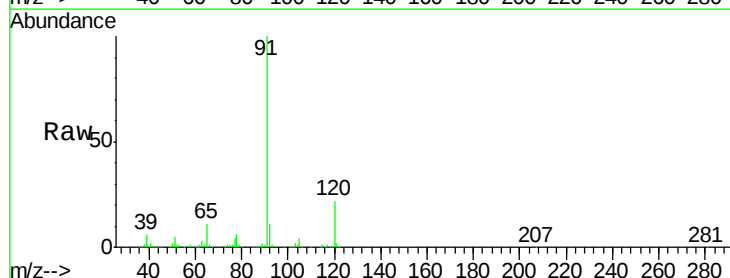
Acq: 6 Apr 2020 20:51

Tgt Ion: 91 Resp: 588879

Ion Ratio Lower Upper

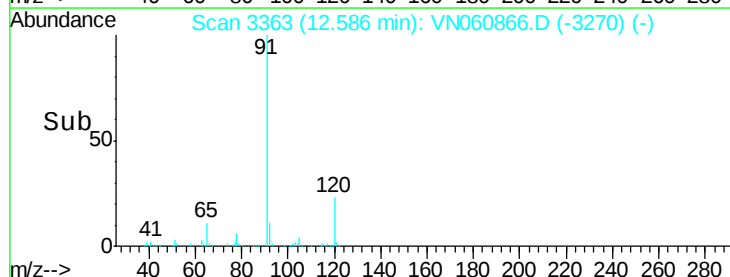
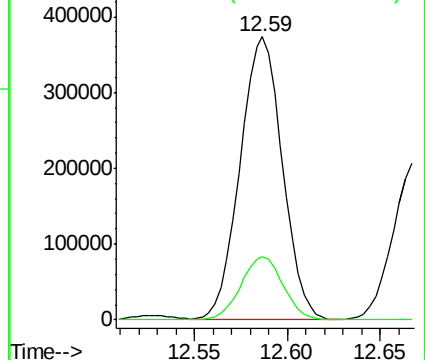
91 100

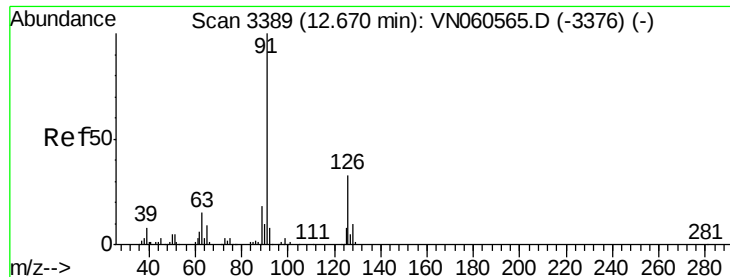
120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.287 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 349732

Ion Ratio Lower Upper

91 100

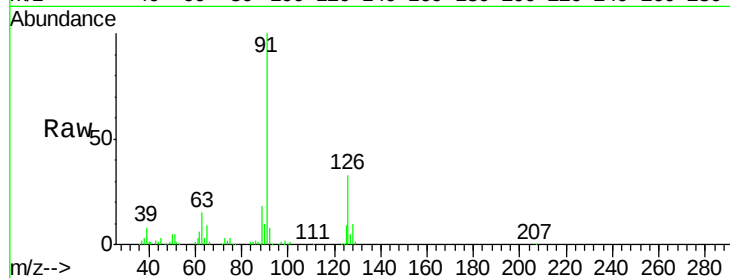
126 32.6 16.4 49.1

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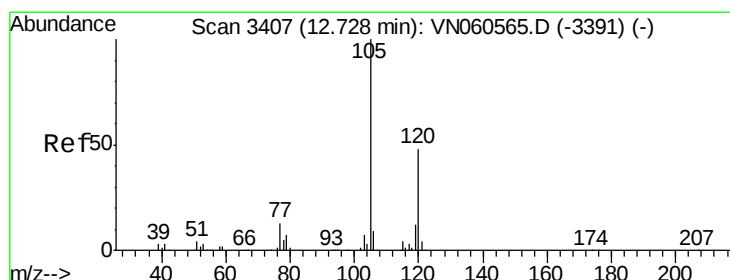
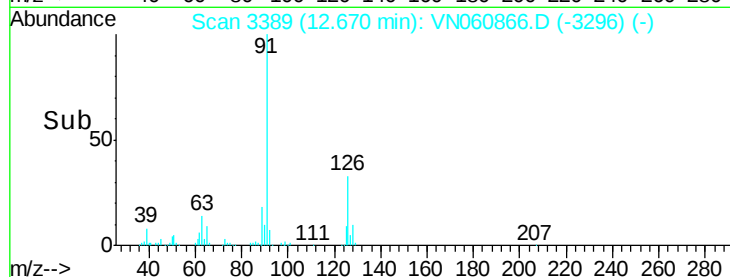
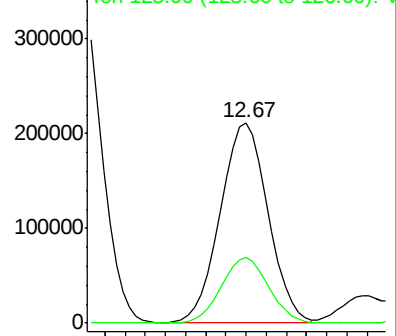
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Abundance Ion 91.00 (90.70 to 91.70): VN060866.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.670 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060866.D

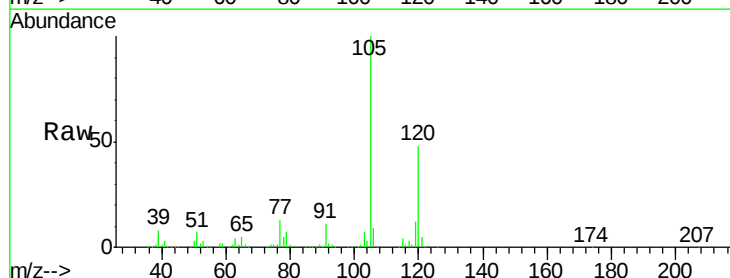
Acq: 6 Apr 2020 20:51

Tgt Ion: 105 Resp: 423843

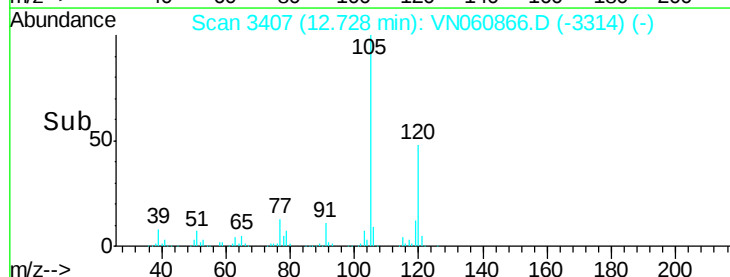
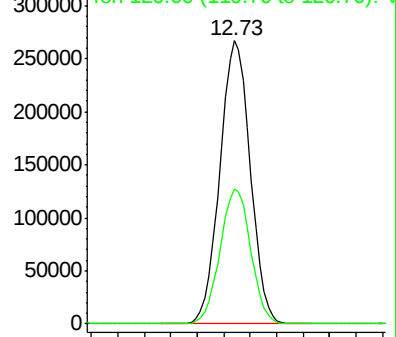
Ion Ratio Lower Upper

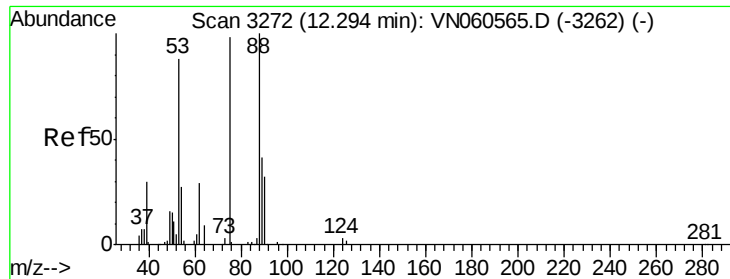
105 100

120 48.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060866.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.498 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

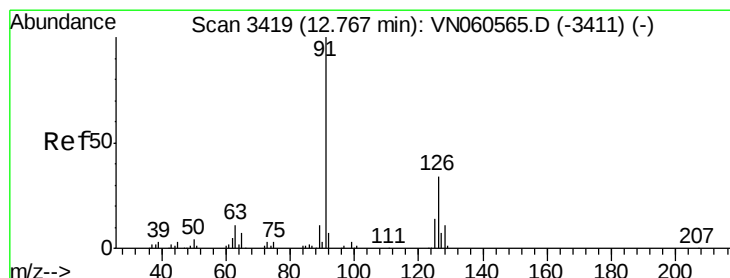
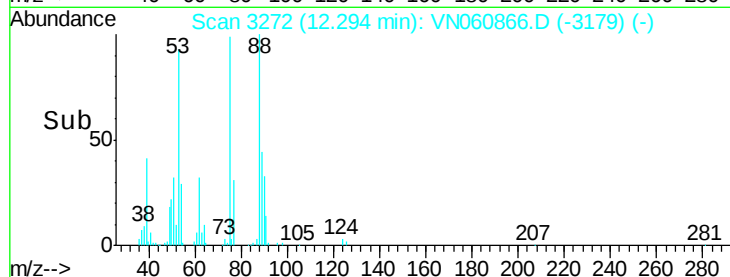
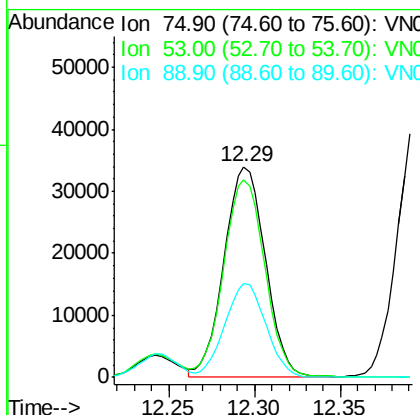
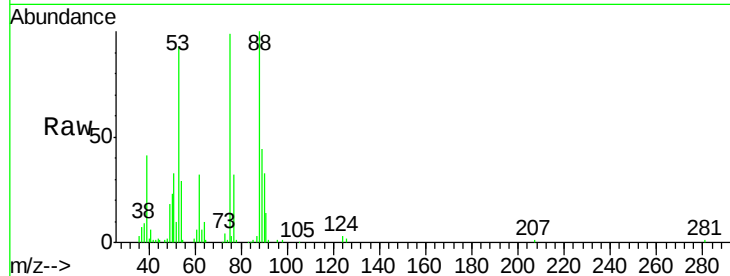
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 56886 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 93.8  | 73.0  | 109.4 |
| 89       | 44.3  | 34.8  | 52.2  |

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#82

4-Chlorotoluene

Concen: 47.587 ug/l

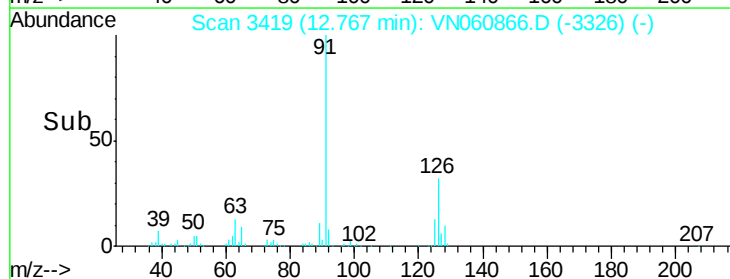
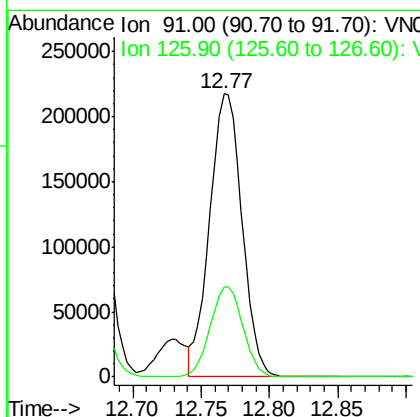
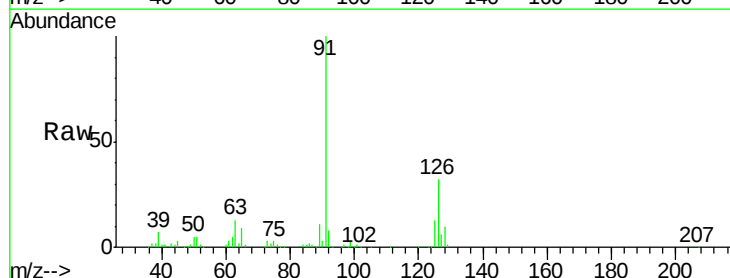
RT: 12.77 min Scan# 3419

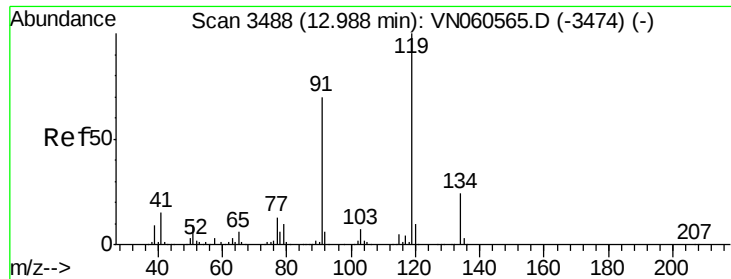
Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 358456 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.1  | 16.2  | 48.5   |





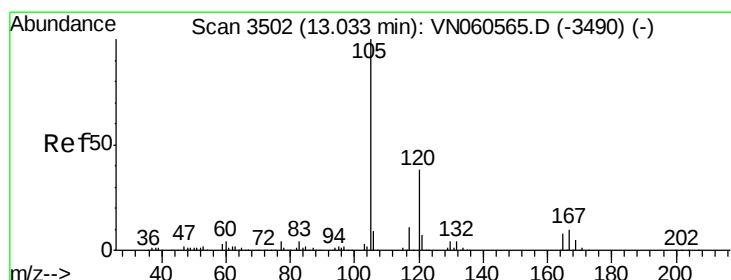
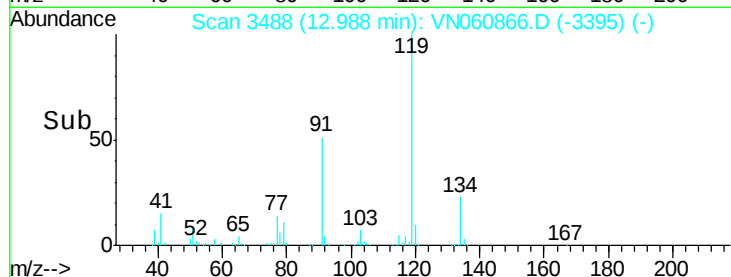
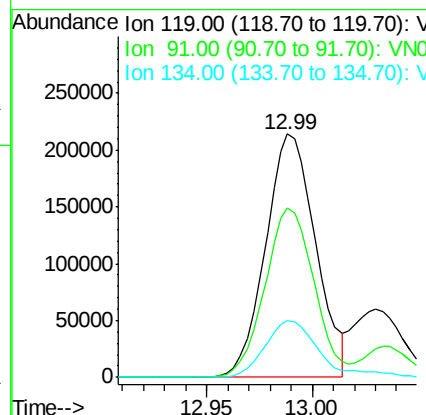
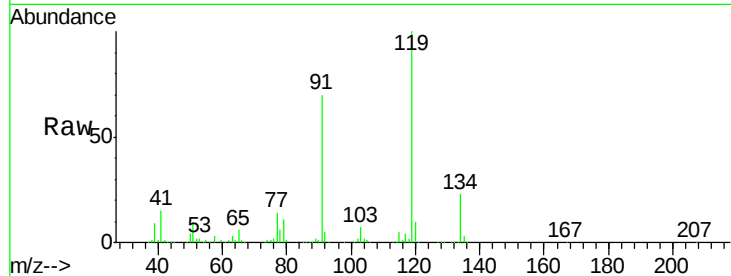
#83  
tert-Butylbenzene  
Concen: 47.984 ug/l  
RT: 12.99 min Scan# 3488  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.4  | 34.0  | 101.8 |
| 134     | 25.3  | 12.7  | 38.0  |

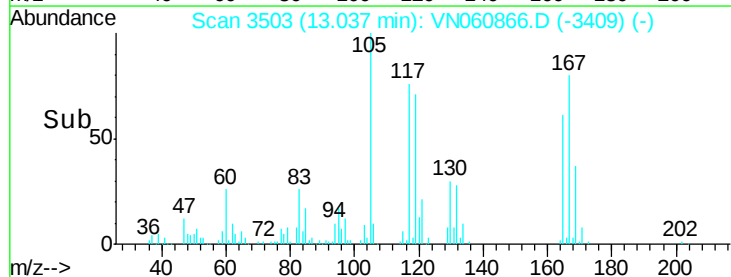
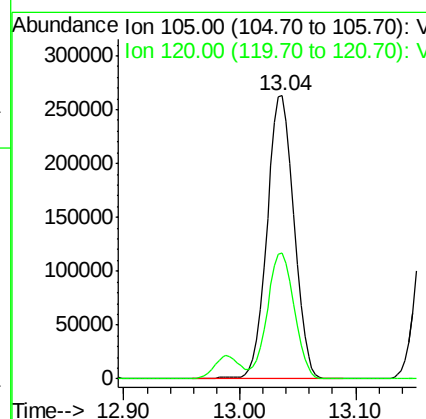
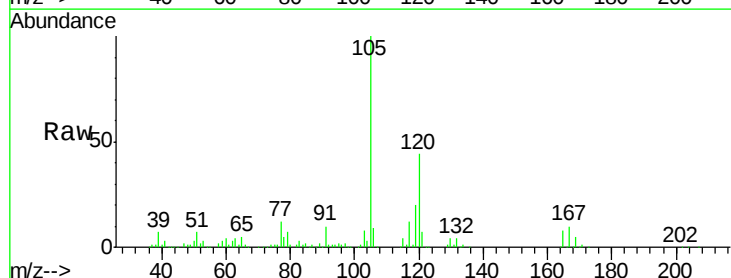
Manual Integrations  
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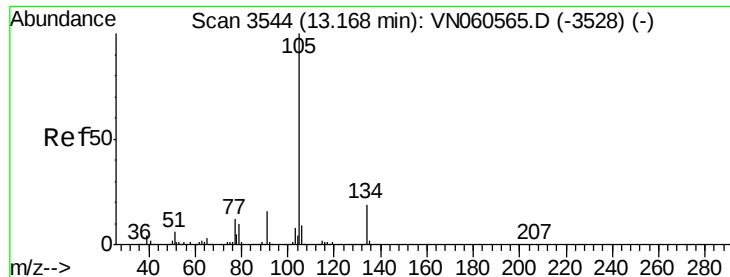
MMDadoda  
4/7/2020 3:21:51 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 48.406 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. 0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.3  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 48.880 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 484463

Ion Ratio Lower Upper

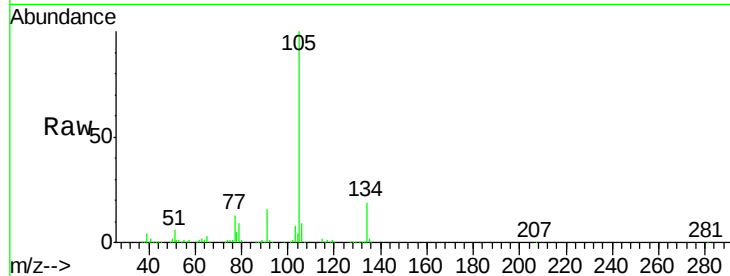
105 100

134 19.2 9.6 28.8

Manual Integrations  
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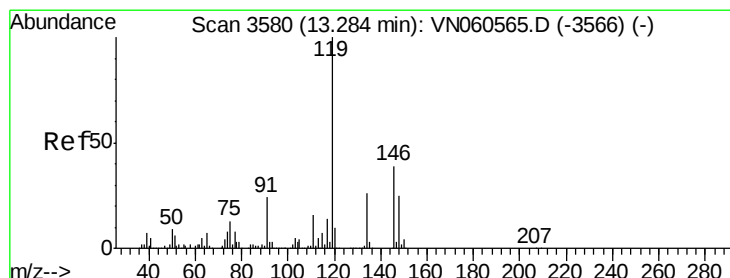
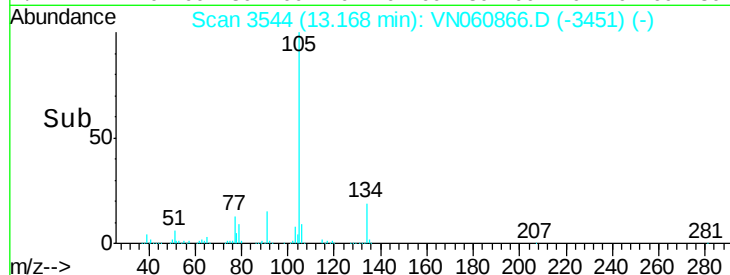
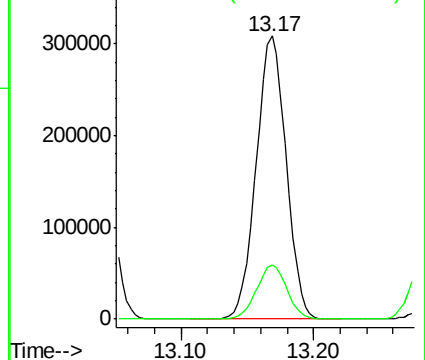
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.364 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

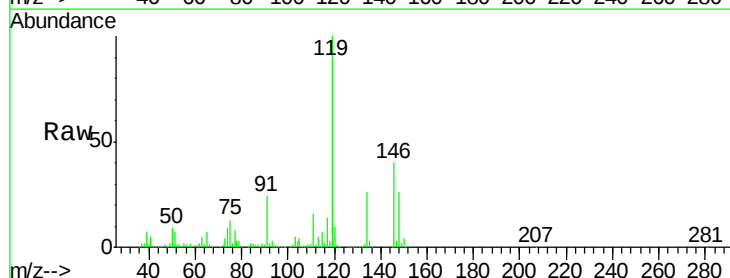
Tgt Ion:119 Resp: 431041

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

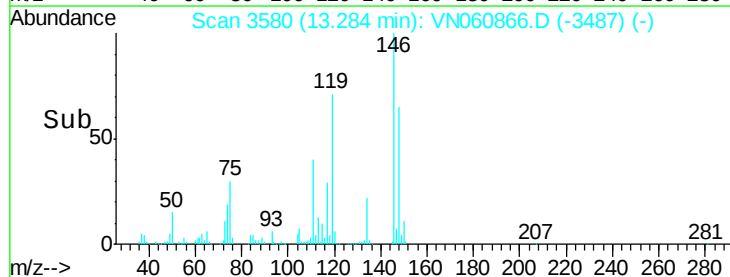
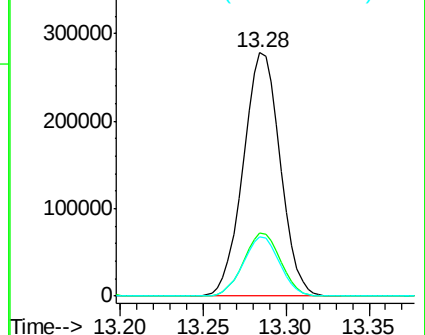
91 24.2 12.0 36.0

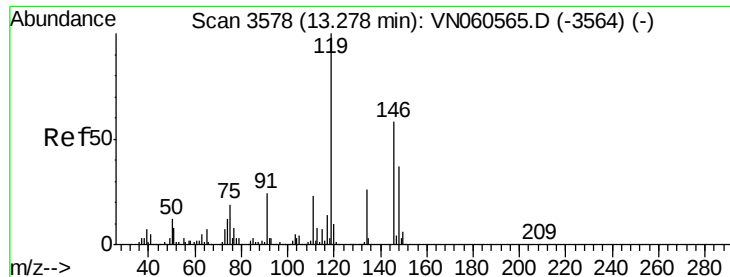


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





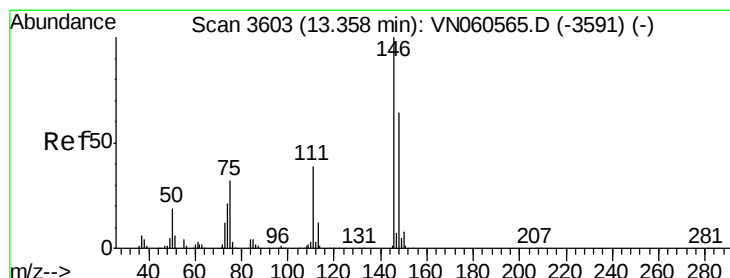
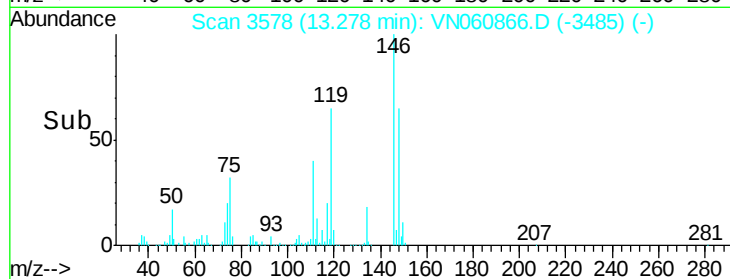
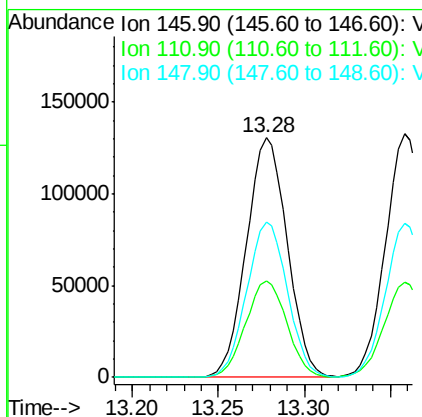
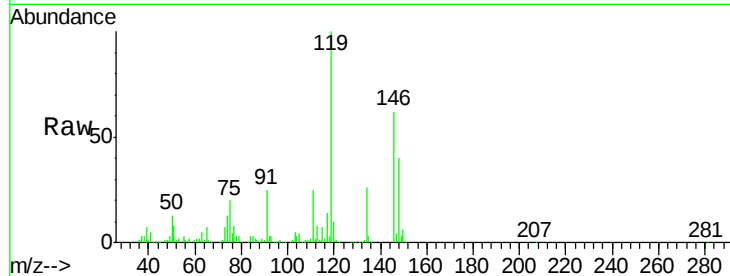
#87  
 1,3-Dichlorobenzene  
 Concen: 48.498 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 215951 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.4  | 20.3  | 60.8   |
| 148       | 64.4  | 32.5  | 97.4   |

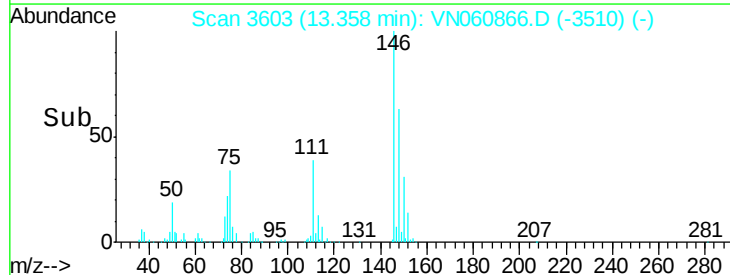
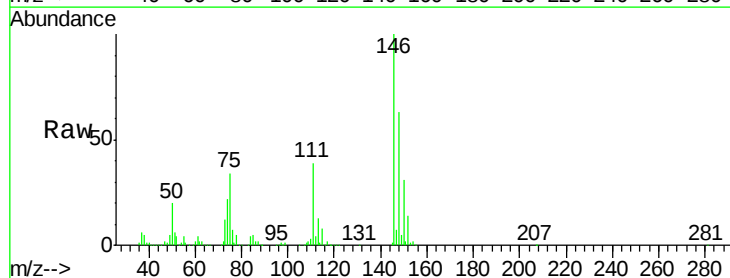
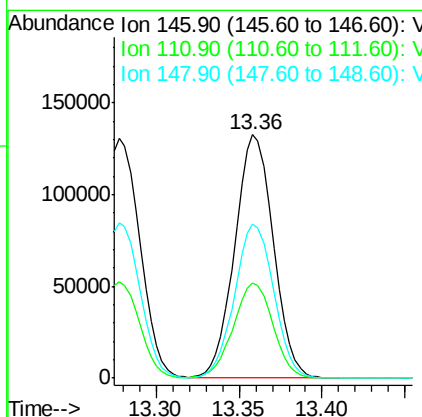
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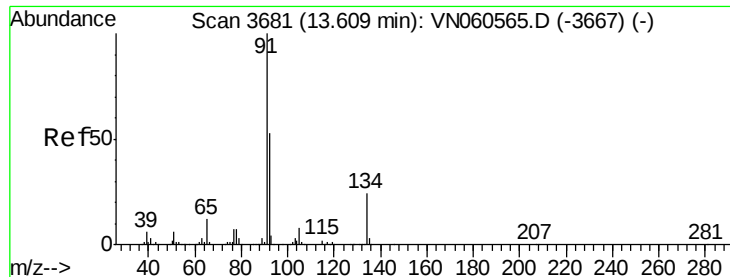
MMDadoda  
 4/7/2020 3:21:51 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 48.239 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 215803 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.1  | 19.6  | 58.7   |
| 148       | 64.0  | 32.1  | 96.3   |





#89

n-Butylbenzene

Concen: 49.781 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

Instrument :

MSVOA\_N

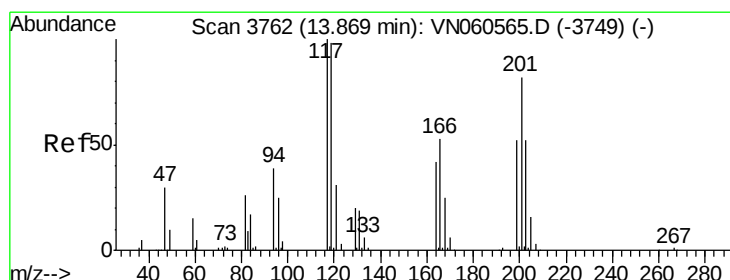
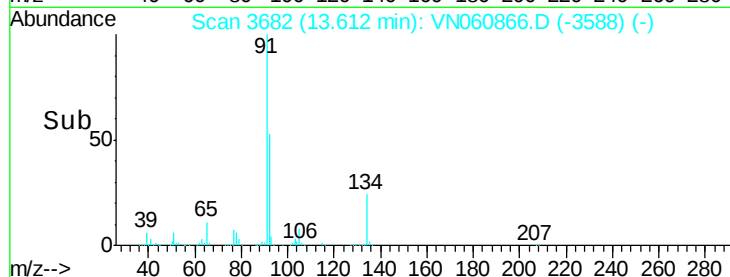
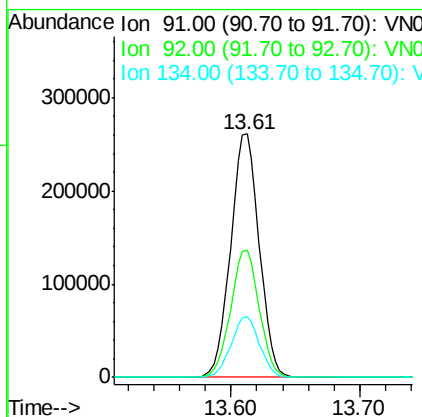
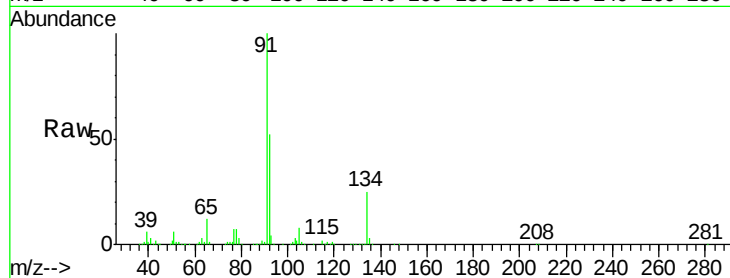
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 400574 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 52.2  | 26.2  | 78.5   |
| 134       | 24.7  | 12.3  | 36.9   |

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#90

Hexachloroethane

Concen: 53.791 ug/l

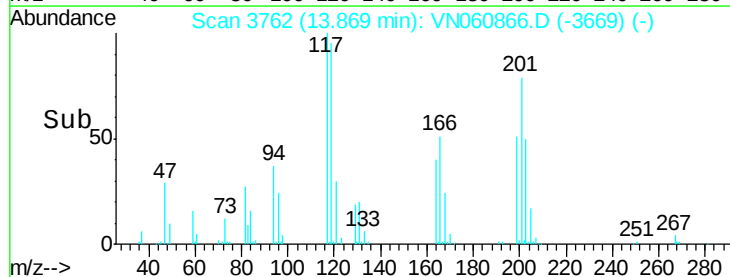
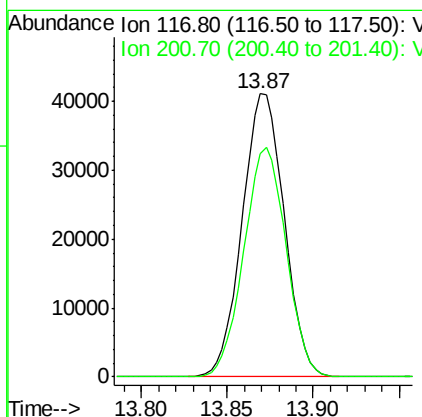
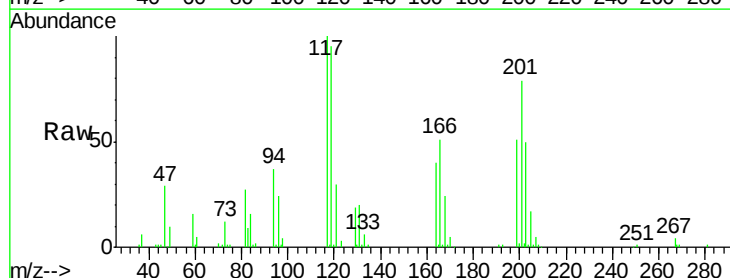
RT: 13.87 min Scan# 3762

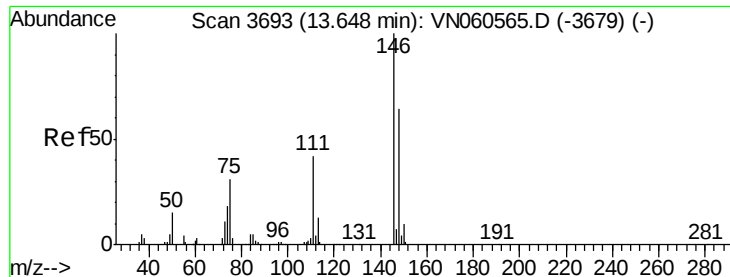
Delta R.T. -0.00 min

Lab File: VN060866.D

Acq: 6 Apr 2020 20:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 69686 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 81.4  | 40.8  | 122.5 |





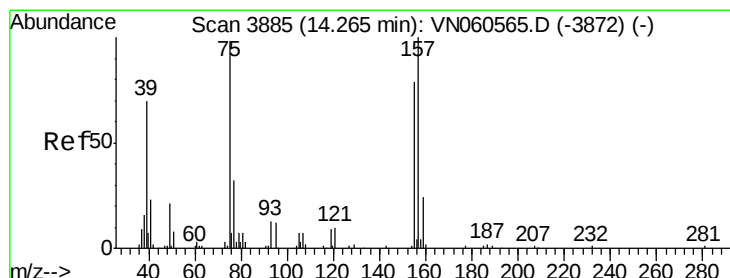
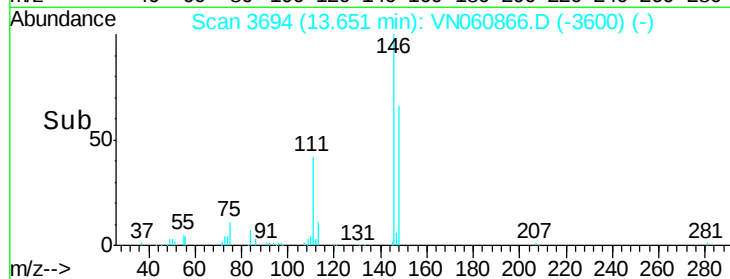
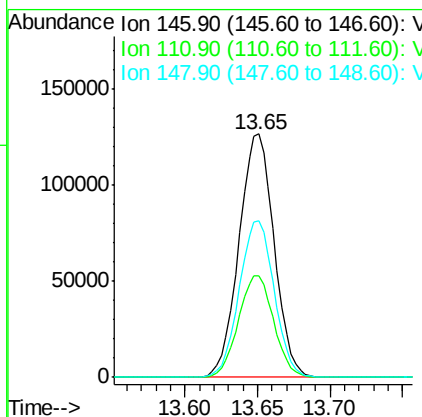
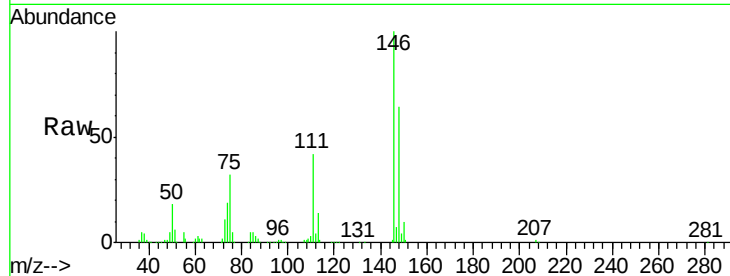
#91  
 1,2-Dichlorobenzene  
 Concen: 50.124 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.9  | 21.0  | 63.0  |
| 148     | 64.1  | 31.9  | 95.5  |

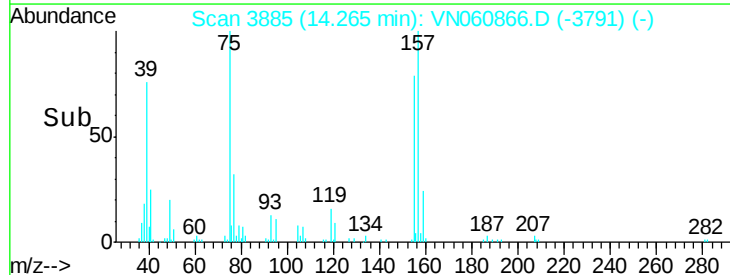
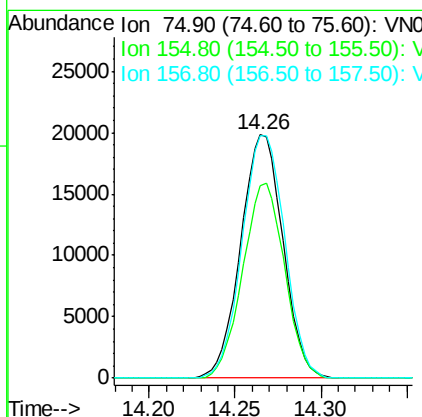
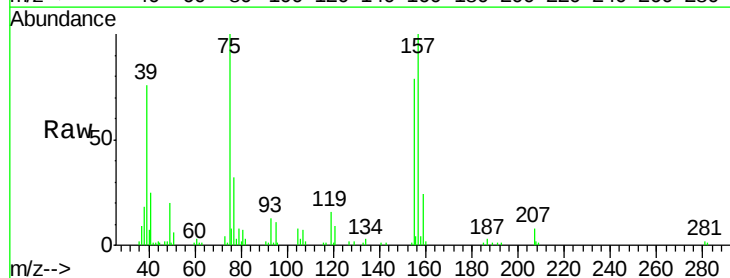
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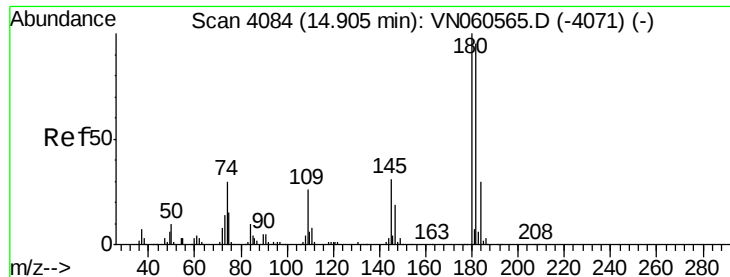
MMDadoda  
 4/7/2020 3:21:51 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.959 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.1  | 40.7  | 122.1 |
| 157     | 100.5 | 51.5  | 154.7 |





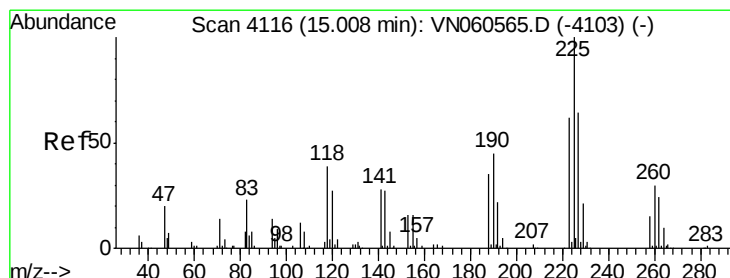
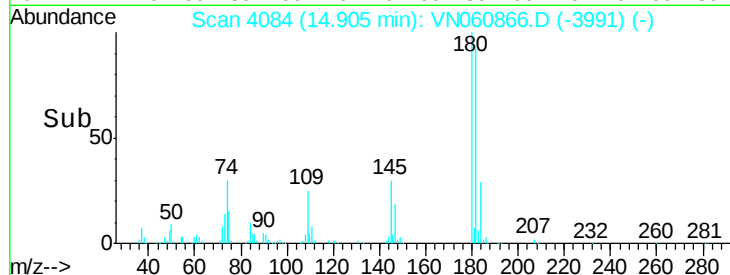
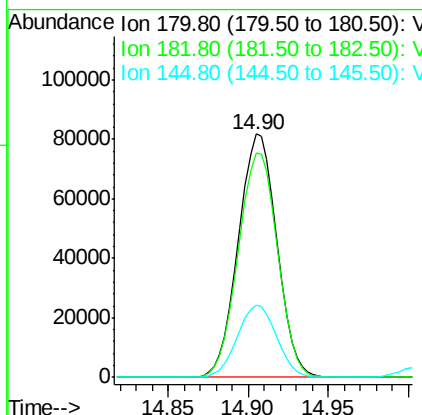
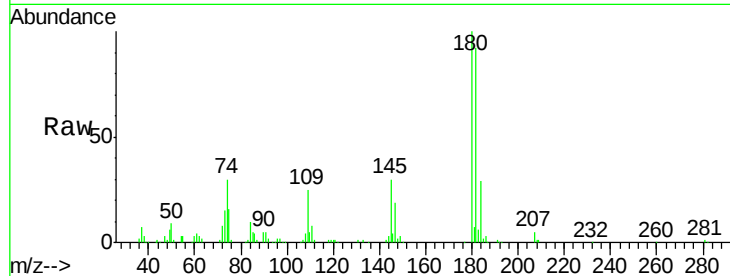
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.466 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 134565 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.1  | 47.9  | 143.8  |
| 145       | 30.1  | 15.4  | 46.2   |

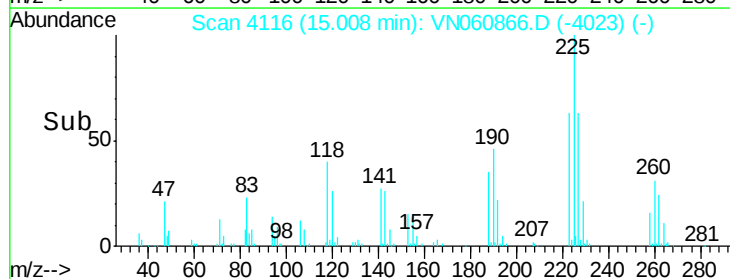
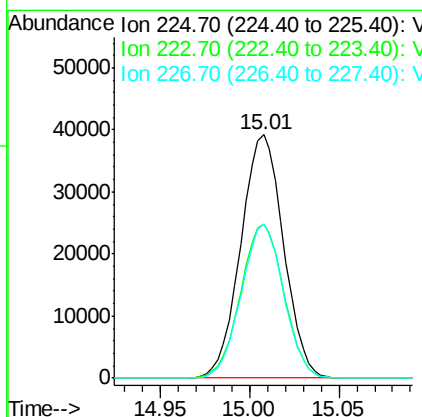
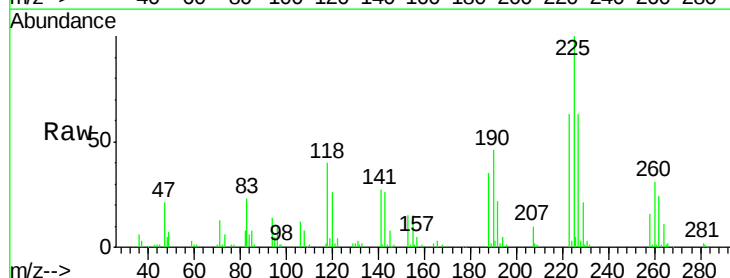
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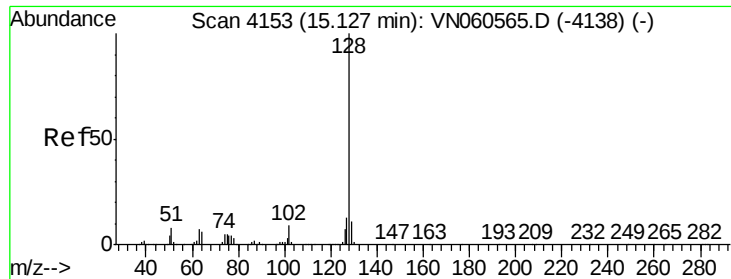
MMDadoda  
 4/7/2020 3:21:51 PM



#94  
 Hexachlorobutadiene  
 Concen: 51.080 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN060866.D  
 Acq: 6 Apr 2020 20:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 65471 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.0  | 31.6  | 95.0  |
| 227       | 62.5  | 32.3  | 96.8  |





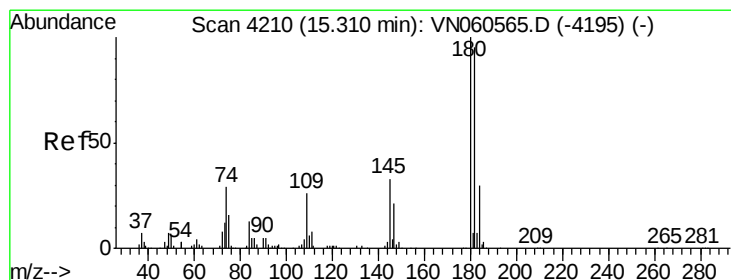
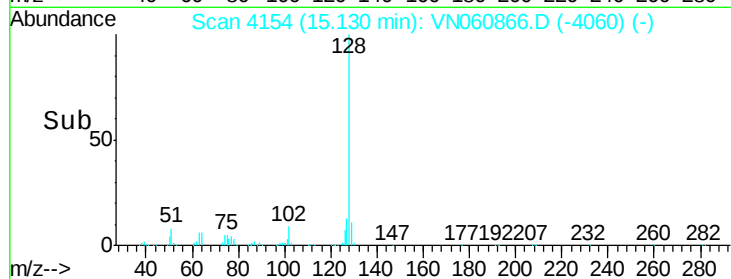
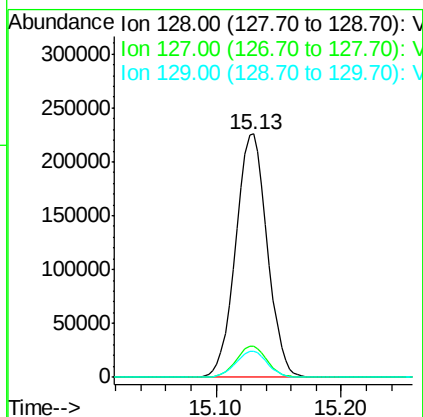
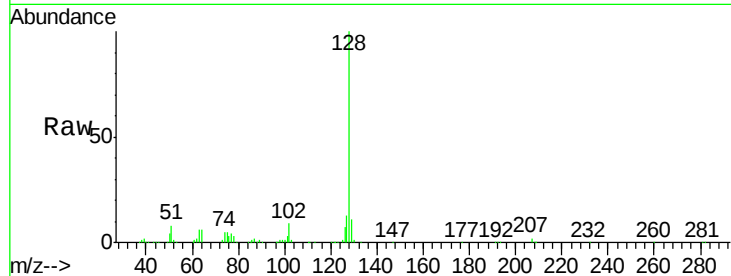
#95  
Naphthalene  
Concen: 50.043 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 393549 |       |       |
| 127     | 12.6  |        | 10.2  | 15.2  |
| 129     | 10.7  |        | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 49.892 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. -0.00 min  
Lab File: VN060866.D  
Acq: 6 Apr 2020 20:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 128490 |       |       |
| 182     | 95.3  |        | 47.5  | 142.6 |
| 145     | 32.8  |        | 16.3  | 48.8  |

