

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\  
 Data File : VN060816.D  
 Acq On : 2 Apr 2020 12:22  
 Operator : JC/MD  
 Sample : VN0402WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 4/3/2020 12:06:26 PM

Quant Time: Apr 03 08:20:52 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  | 181313   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 296148   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 270901   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 126715   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 125875   | 50.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.14% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 93746    | 52.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.70% |      |
| 50) Toluene-d8            | 10.08  | 98  | 366741   | 50.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.28% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 132908   | 49.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.16%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 31818  | 18.136  | ug/l | 99     |
| 3) Chloromethane              | 2.04 | 50  | 54766  | 16.714  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 44331  | 17.298  | ug/l | 100    |
| 5) Bromomethane               | 2.55 | 94  | 22798  | 20.607  | ug/l | 96     |
| 6) Chloroethane               | 2.69 | 64  | 27756  | 18.801  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 60102  | 19.038  | ug/l | 100    |
| 8) Diethyl Ether              | 3.38 | 74  | 26598  | 20.973  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 36795  | 20.114  | ug/l | 100    |
| 10) Methyl Iodide             | 3.93 | 142 | 31993  | 19.655  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 38797  | 105.987 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 36365  | 18.525  | ug/l | 98     |
| 13) Acrolein                  | 3.57 | 56  | 32967  | 81.260  | ug/l | 99     |
| 14) Allyl chloride            | 4.29 | 41  | 66868  | 19.367  | ug/l | 96     |
| 15) Acrylonitrile             | 4.94 | 53  | 111320 | 103.417 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 93698  | 106.275 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.03 | 76  | 103951 | 17.412  | ug/l | 99     |
| 18) Methyl Acetate            | 4.28 | 43  | 53238  | 21.453  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 135902 | 20.136  | ug/l | 98     |
| 20) Methylene Chloride        | 4.52 | 84  | 42921  | 19.790  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 39455  | 18.858  | ug/l | 95     |
| 22) Diisopropyl ether         | 5.91 | 45  | 153950 | 21.106  | ug/l | 100    |
| 23) Vinyl Acetate             | 5.86 | 43  | 628160 | 105.546 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 80470  | 20.237  | ug/l | 98     |
| 25) 2-Butanone                | 6.79 | 43  | 147064 | 103.081 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 66458  | 21.242  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 47506  | 19.981  | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 37570  | 19.748  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 101433 | 100.485 | ug/l | 98     |
| 30) Chloroform                | 7.34 | 83  | 76609  | 20.096  | ug/l | 96     |
| 31) Cyclohexane               | 7.63 | 56  | 74126  | 18.491  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 64736  | 19.699  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 57568  | 20.075  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.89 | 43  | 64512  | 20.820  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 50438  | 19.625  | ug/l | 98     |

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 Sample : VN0402WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0402WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 4/3/2020 12:06:26 PM

Quant Time: Apr 03 08:20:52 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   | 68824    | 20.196  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 176008   | 20.332  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.14  | 41   | 27111m   | 20.502  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 61632    | 20.833  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 106359   | 20.814  | ug/l   | 99       |
| 44) Trichloroethene            | 8.81  | 130  | 44093    | 20.205  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 48739    | 21.337  | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 28964    | 20.974  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.38  | 83   | 59691    | 20.801  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 45137    | 19.839  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 13351    | 493.697 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 307980   | 105.913 | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 105445   | 20.169  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 70104    | 21.268  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 74777    | 20.678  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 42701    | 21.231  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 64315    | 20.508  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 74168    | 21.250  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 138919   | 89.127  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 217187   | 103.685 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 43300    | 20.842  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 42147    | 20.839  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 41745    | 19.582  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.42 | 112  | 108237   | 20.155  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 40501    | 20.829  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.50 | 91   | 202716   | 20.298  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.61 | 106  | 148737   | 40.078  | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 71255    | 20.113  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 112623   | 19.437  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 30194    | 19.736  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.24 | 105  | 191710   | 20.160  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 87504    | 19.913  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 59623    | 20.733  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 53875m   | 19.704  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 45613    | 19.906  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 224187   | 19.955  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 133736   | 19.923  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 161833   | 20.054  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 21139    | 19.856  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 136846   | 20.016  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 136072   | 20.340  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 161659   | 20.249  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 184124   | 20.468  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 163700   | 20.237  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 80534    | 19.927  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 80928    | 19.931  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.61 | 91   | 149699   | 20.497  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 25449    | 21.643  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 79971    | 20.694  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 11659    | 19.191  | ug/l   | 92       |

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Data File : VN060816.D  
Acq On : 2 Apr 2020 12:22  
Operator : JC/MD  
Sample : VN0402WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

Manual Integrations  
APPROVED

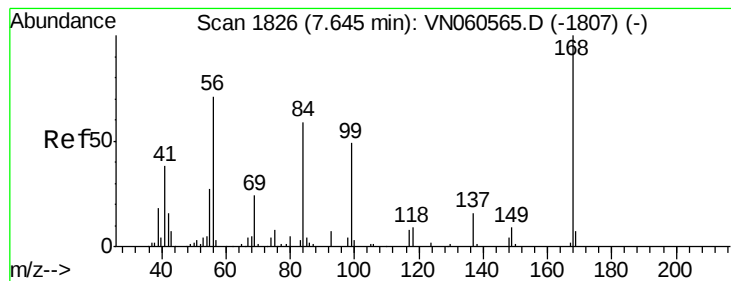
MMDadoda  
4/3/2020 12:06:26 PM

Quant Time: Apr 03 08:20:52 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  | 48493    | 20.434 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 25427    | 21.857 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 138356   | 19.384 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 46784    | 20.015 | ug/l  | 99       |

(#) = 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: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion:168 Resp: 181313

Ion Ratio Lower Upper

168 100

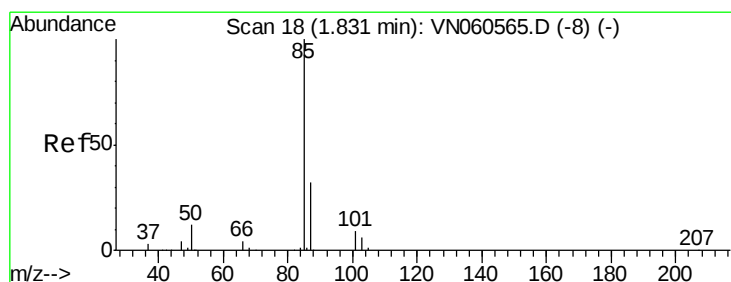
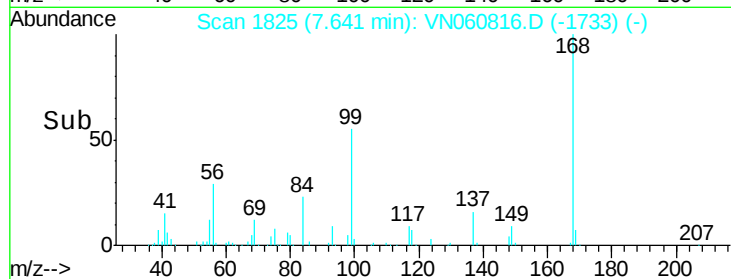
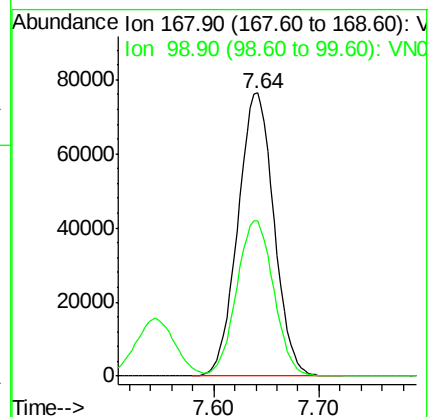
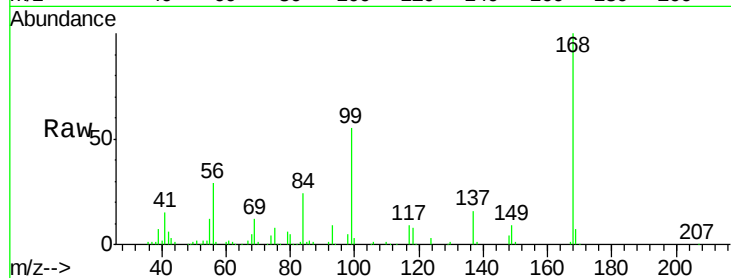
99 54.7 44.0 66.0

Manual Integrations

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4/3/2020 12:06:26 PM



#2

Dichlorodifluoromethane

Concen: 18.136 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060816.D

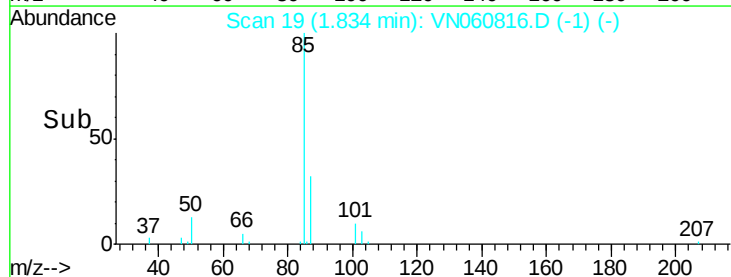
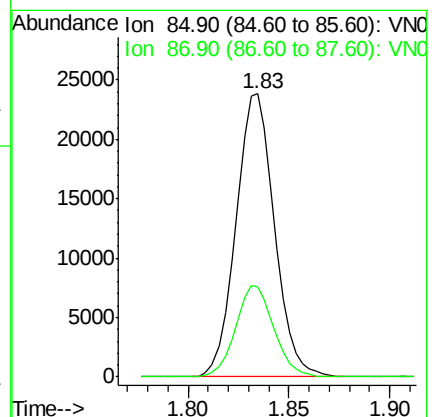
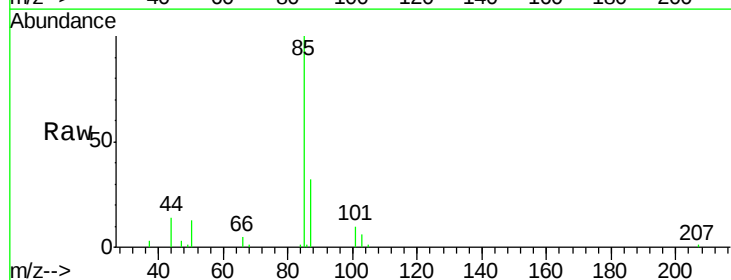
Acq: 2 Apr 2020 12:22

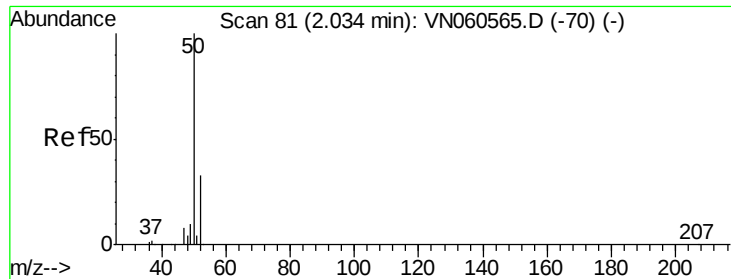
Tgt Ion: 85 Resp: 31818

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5





#3

Chloromethane

Concen: 16.714 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 50 Resp: 54766

Ion Ratio Lower Upper

50 100

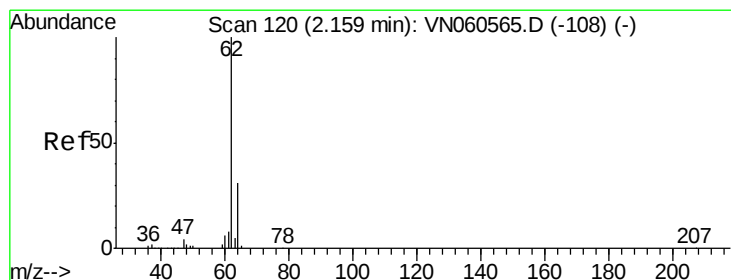
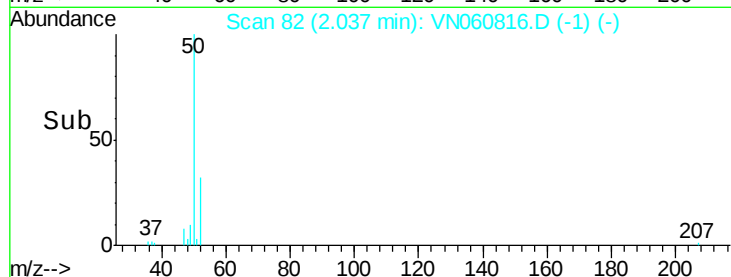
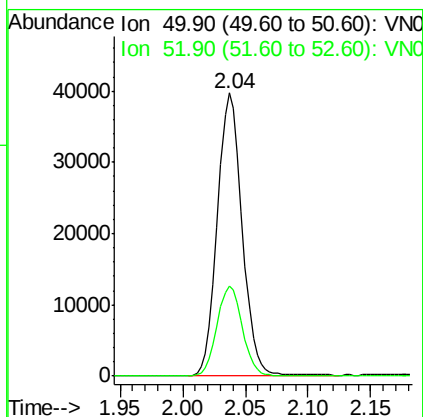
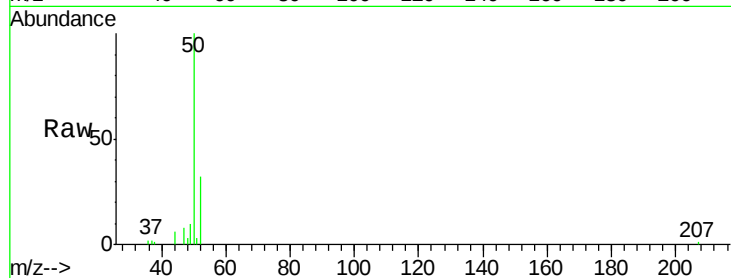
52 31.9 26.2 39.2

Manual Integrations

APPROVED

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4/3/2020 12:06:26 PM



#4

Vinyl Chloride

Concen: 17.298 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060816.D

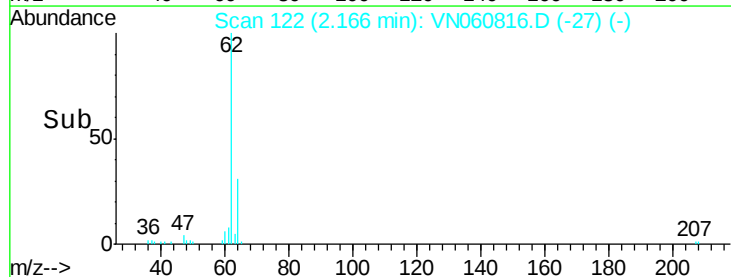
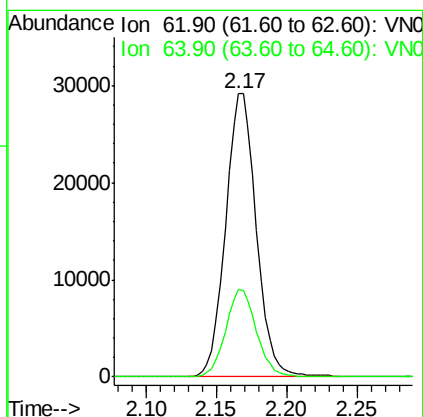
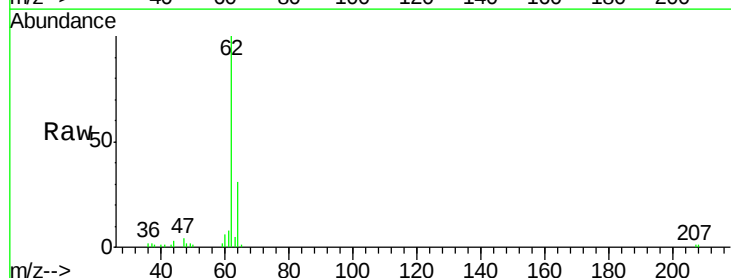
Acq: 2 Apr 2020 12:22

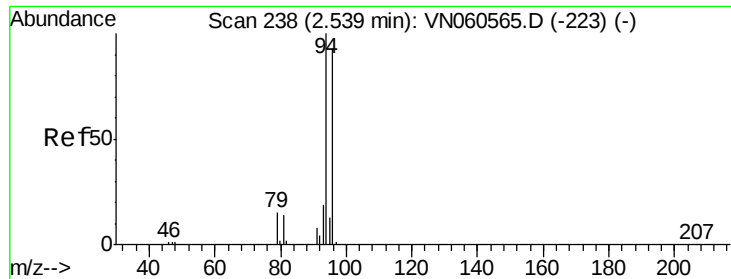
Tgt Ion: 62 Resp: 44331

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 20.607 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 94 Resp: 22798

Ion Ratio Lower Upper

94 100

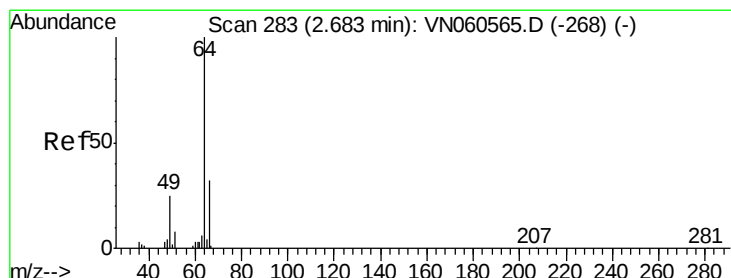
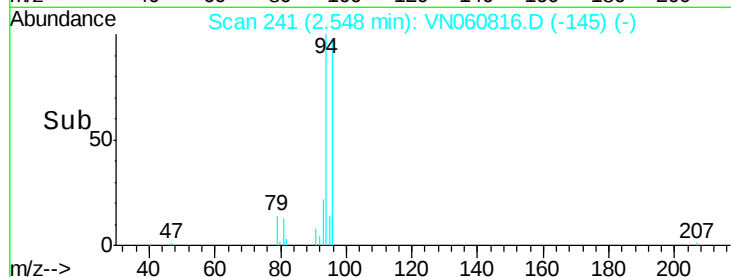
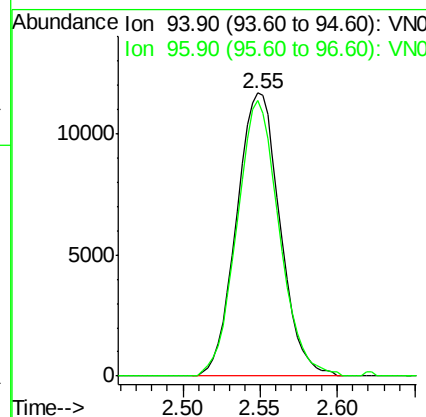
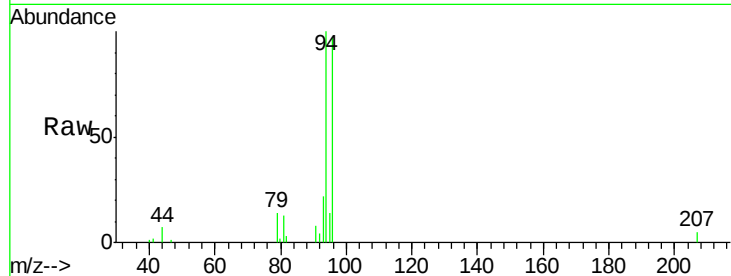
96 97.4 74.6 112.0

Manual Integrations

APPROVED

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4/3/2020 12:06:26 PM



#6

Chloroethane

Concen: 18.801 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060816.D

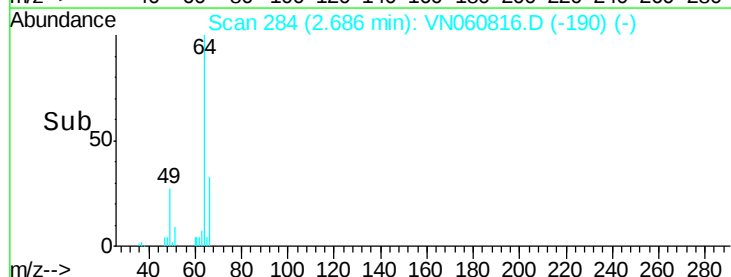
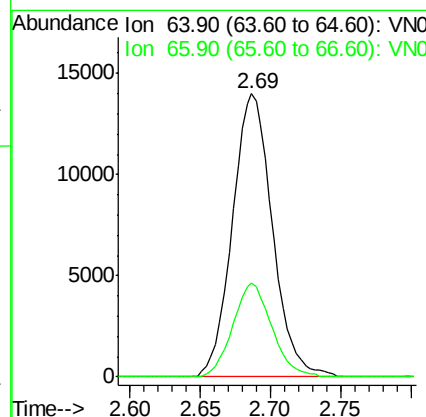
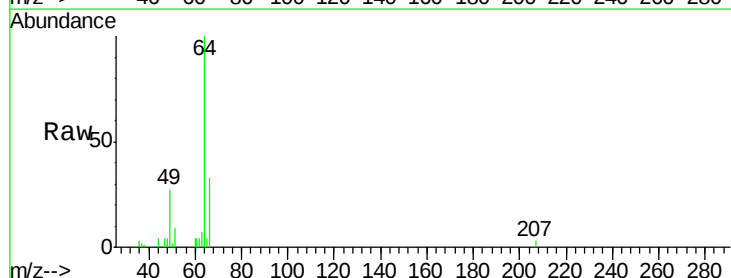
Acq: 2 Apr 2020 12:22

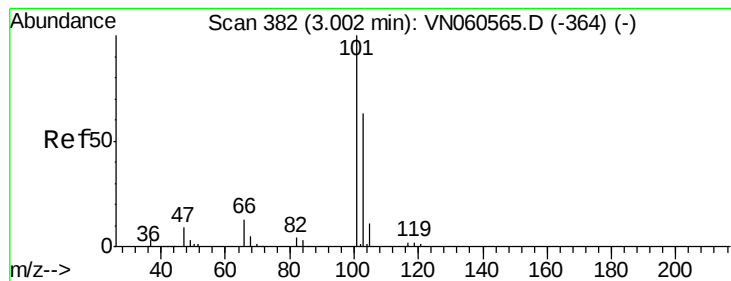
Tgt Ion: 64 Resp: 27756

Ion Ratio Lower Upper

64 100

66 33.4 25.3 37.9





#7

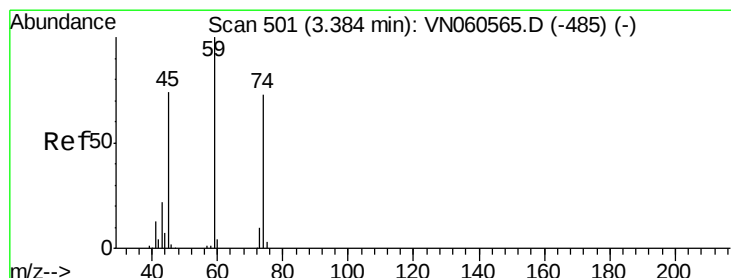
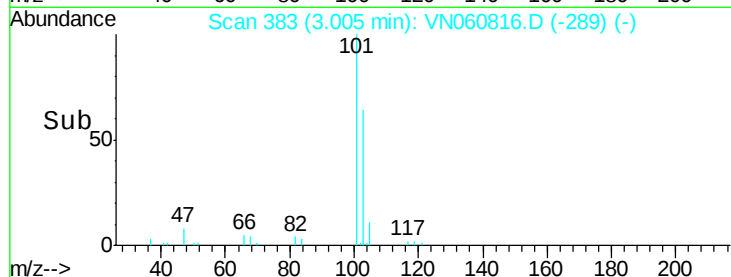
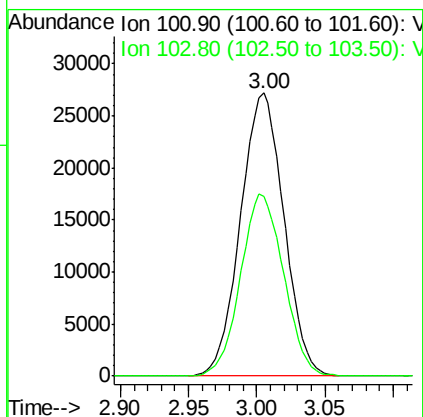
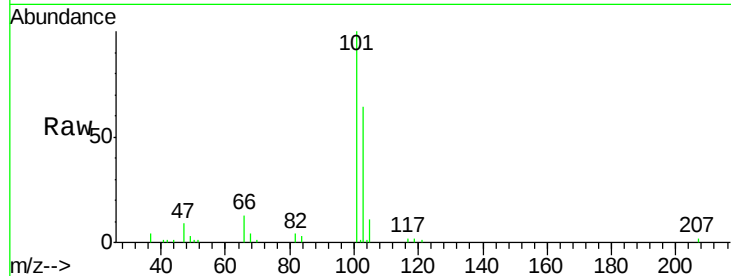
Trichlorofluoromethane  
 Concen: 19.038 ug/l  
 RT: 3.00 min Scan# 383  
 Delta R.T. 0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.6  | 50.6  | 76.0  |

Manual Integrations  
 APPROVED

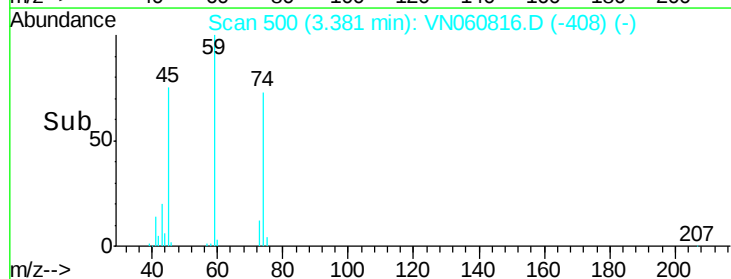
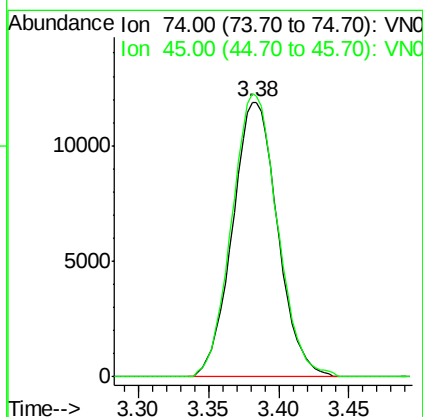
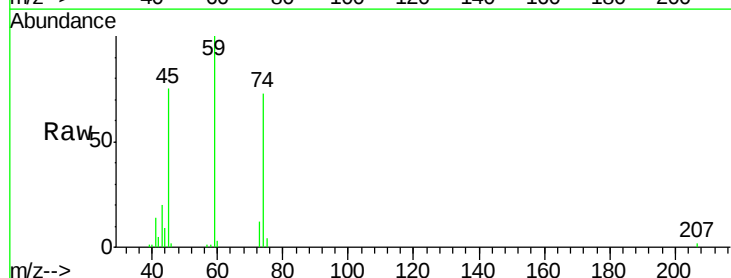
MMDadoda  
 4/3/2020 12:06:26 PM

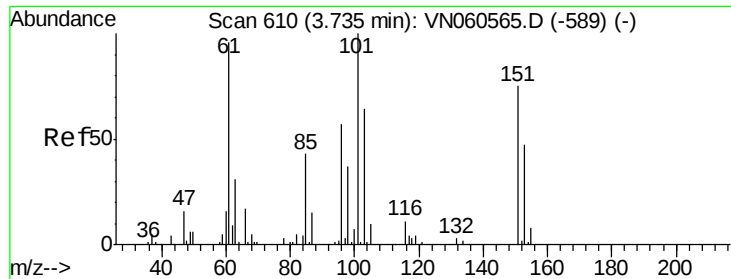


#8

Diethyl Ether  
 Concen: 20.973 ug/l  
 RT: 3.38 min Scan# 500  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.3 | 51.3  | 153.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.114 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

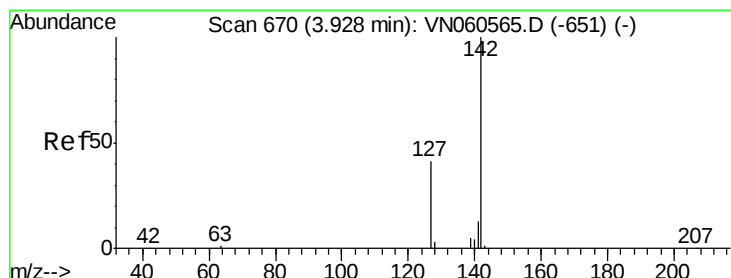
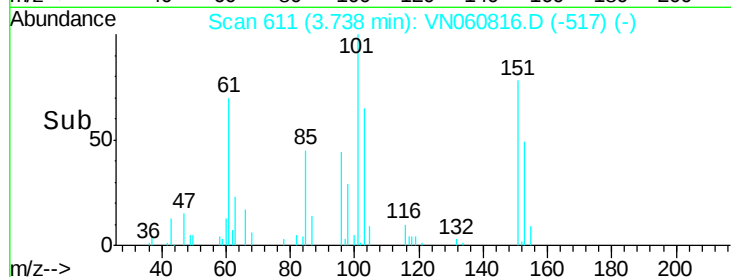
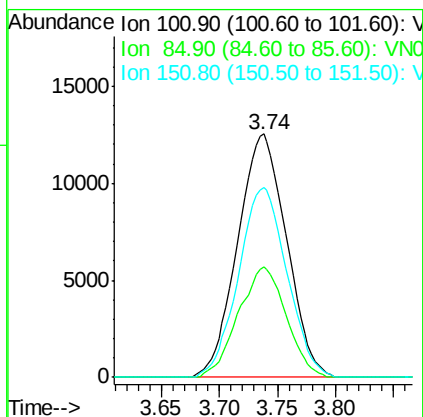
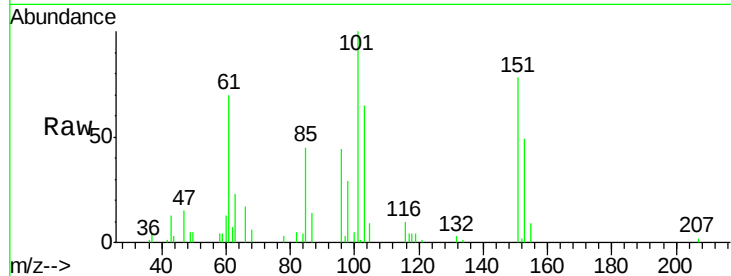
ClientSampleId :

VN0402WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 36795 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.3  | 35.6  | 53.4  |
| 151       | 77.3  | 61.4  | 92.2  |

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#10

Methyl Iodide

Concen: 19.655 ug/l

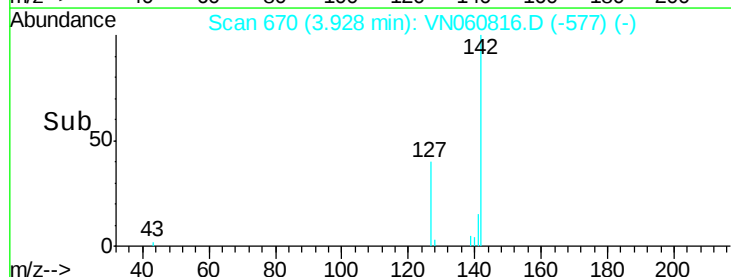
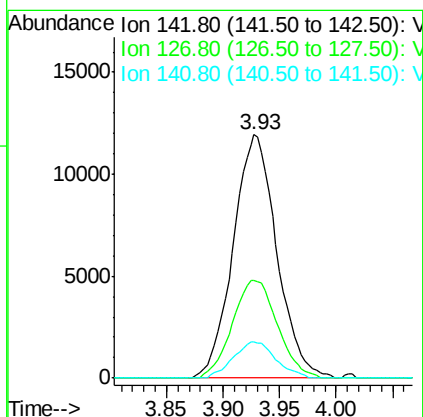
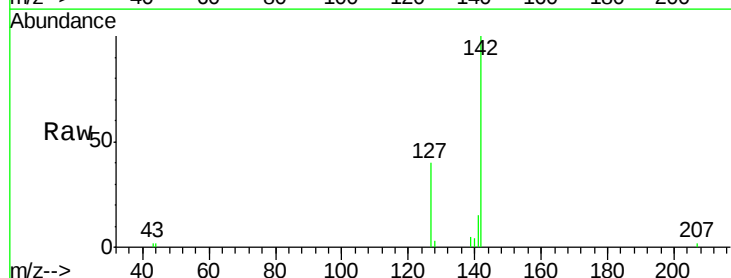
RT: 3.93 min Scan# 670

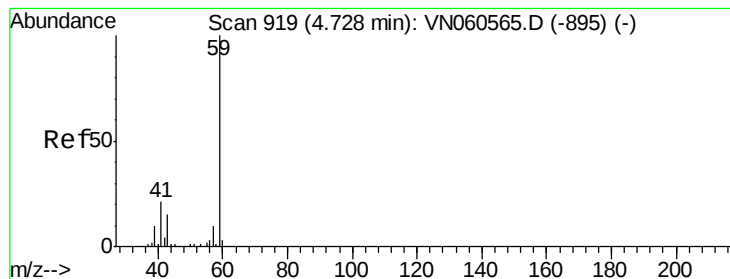
Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 31993 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.5  | 33.5  | 50.3  |
| 141       | 14.5  | 11.0  | 16.6  |





#11

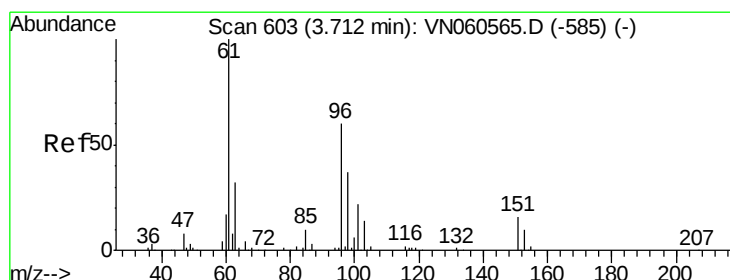
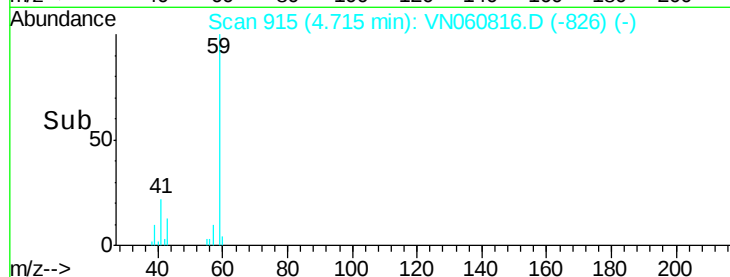
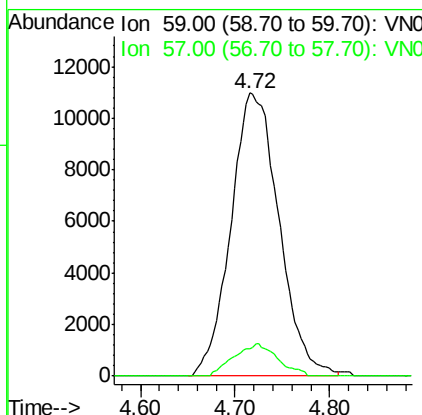
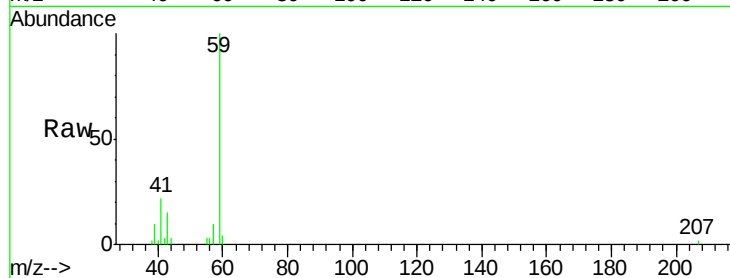
Tert butyl alcohol  
Concen: 105.987 ug/l  
RT: 4.72 min Scan# 915  
Delta R.T. -0.01 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | 59 | 57 | Ratio | 100 | 10.4 | Resp | 38797 | Lower | 8.2 | Upper | 12.4 |
|---------|----|----|-------|-----|------|------|-------|-------|-----|-------|------|
| Ion     | 59 | 57 | Ratio | 100 | 10.4 | Resp | 38797 | Lower | 8.2 | Upper | 12.4 |

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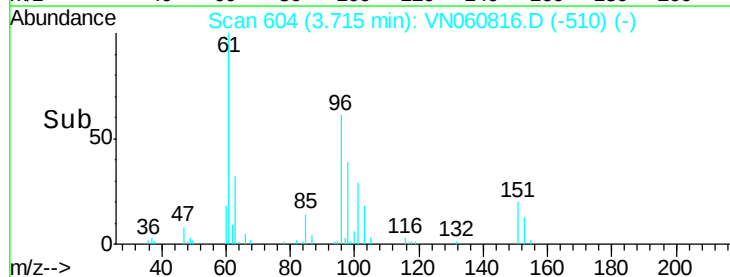
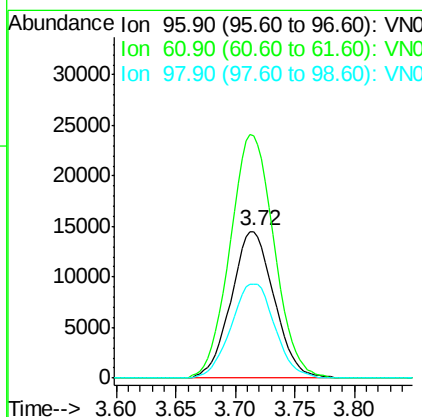
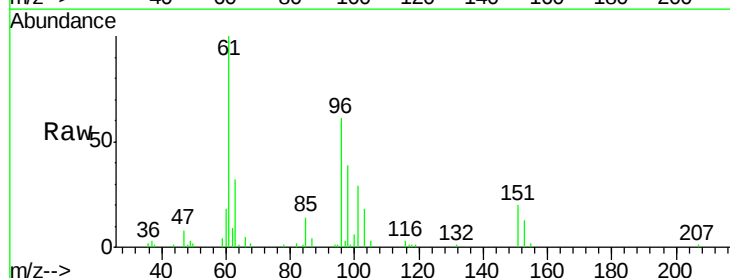
MMDadoda  
4/3/2020 12:06:26 PM

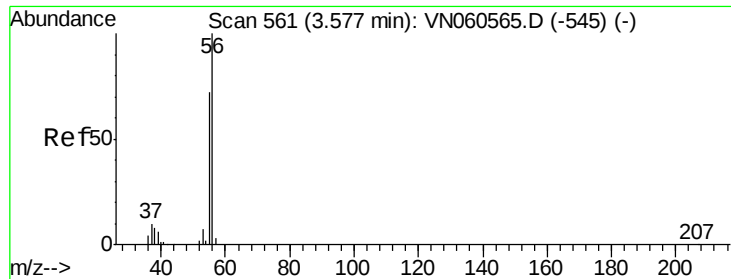


#12

1,1-Dichloroethene  
Concen: 18.525 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 164.6 | 64.2 | Resp | 36365 | Lower | 134.1 | 49.9 | Upper | 201.1 | 74.9 |
|---------|----|----|----|-------|-----|-------|------|------|-------|-------|-------|------|-------|-------|------|
| Ion     | 96 | 61 | 98 | Ratio | 100 | 164.6 | 64.2 | Resp | 36365 | Lower | 134.1 | 49.9 | Upper | 201.1 | 74.9 |





#13

Acrolein

Concen: 81.260 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 56 Resp: 32967

Ion Ratio Lower Upper

56 100

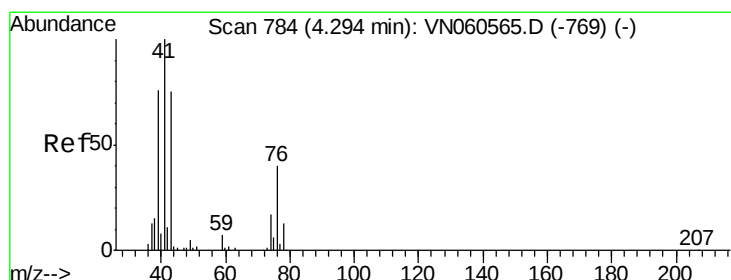
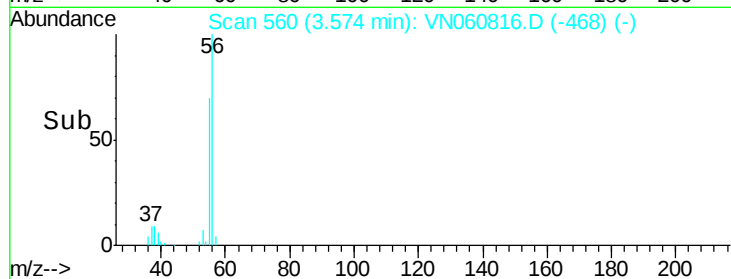
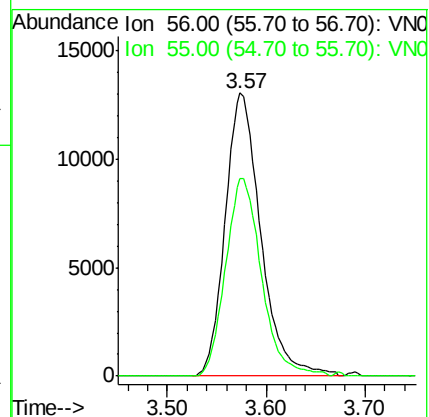
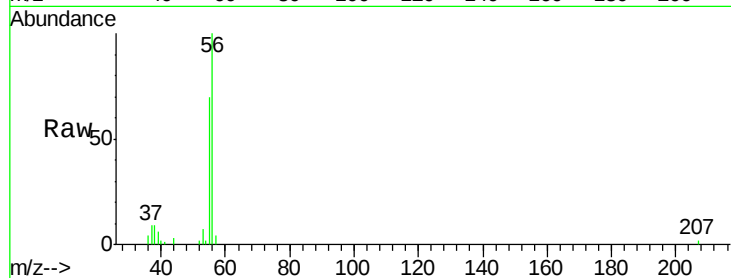
55 70.3 56.7 85.1

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MMDadoda

4/3/2020 12:06:26 PM



#14

Allyl chloride

Concen: 19.367 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

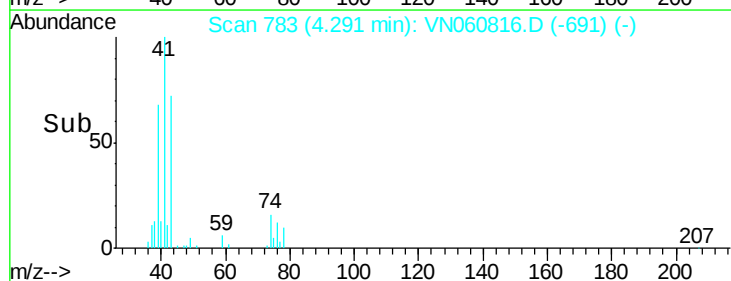
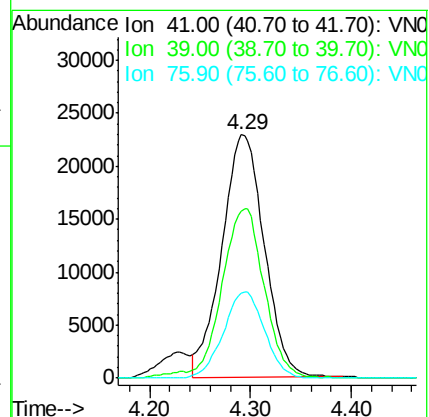
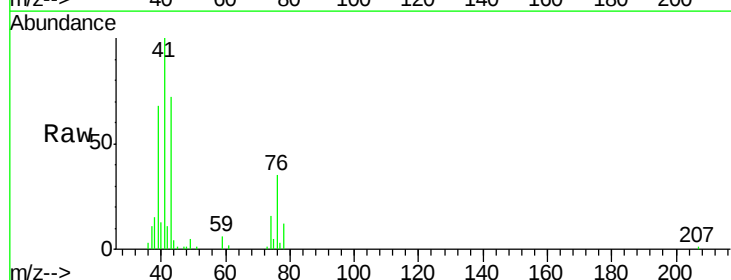
Tgt Ion: 41 Resp: 66868

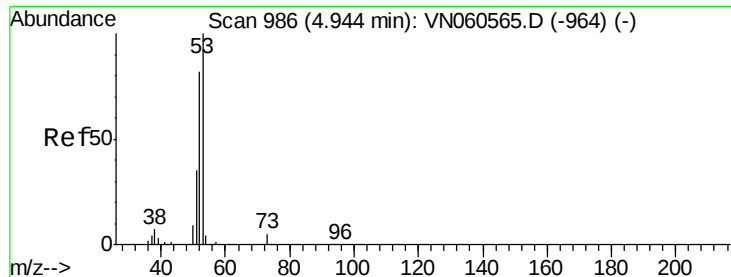
Ion Ratio Lower Upper

41 100

39 69.0 57.8 86.8

76 34.3 28.6 43.0





#15

Acrylonitrile

Concen: 103.417 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

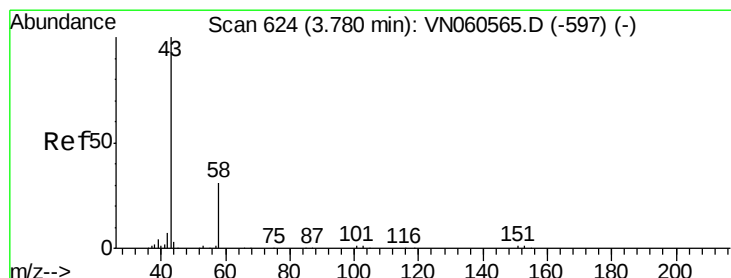
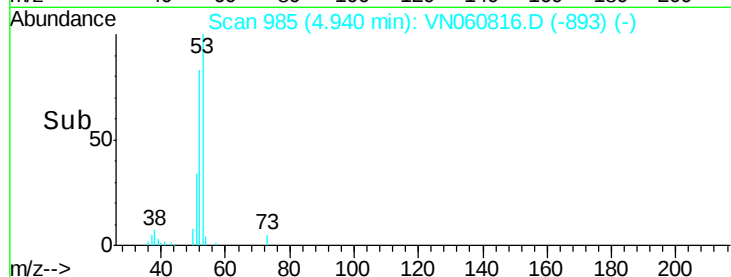
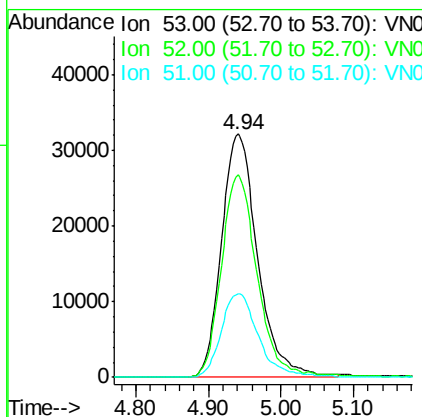
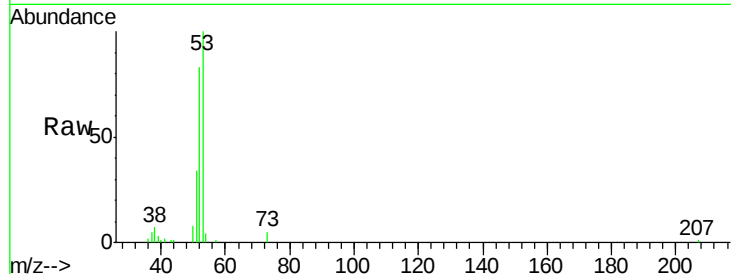
ClientSampleId :

VN0402WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 111320 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.4  | 66.2  | 99.4   |
| 51       | 35.5  | 28.7  | 43.1   |

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#16

Acetone

Concen: 106.275 ug/l

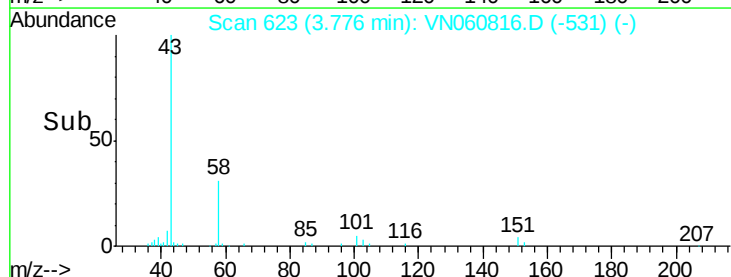
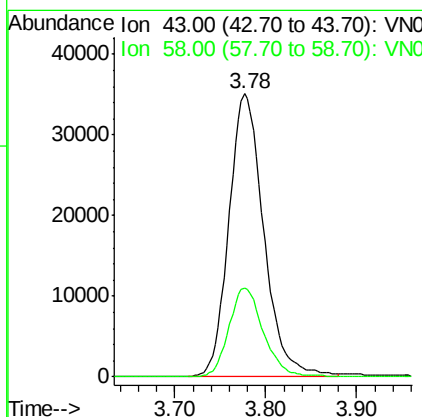
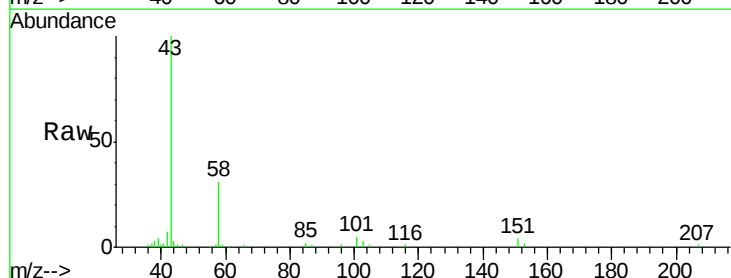
RT: 3.78 min Scan# 623

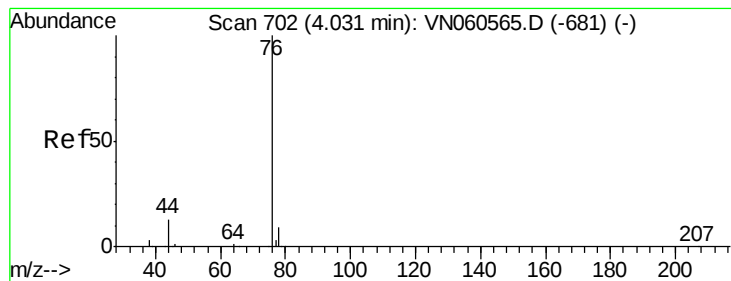
Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 93698 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.3  | 25.1  | 37.7  |





#17

Carbon Disulfide

Concen: 17.412 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 76 Resp: 103951

Ion Ratio Lower Upper

76 100

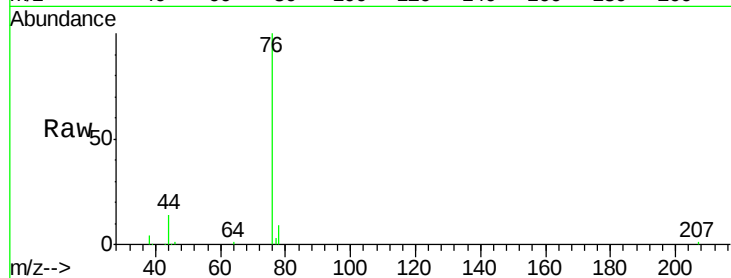
78 9.2 7.2 10.8

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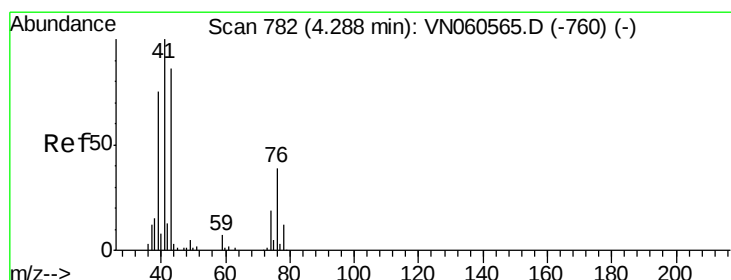
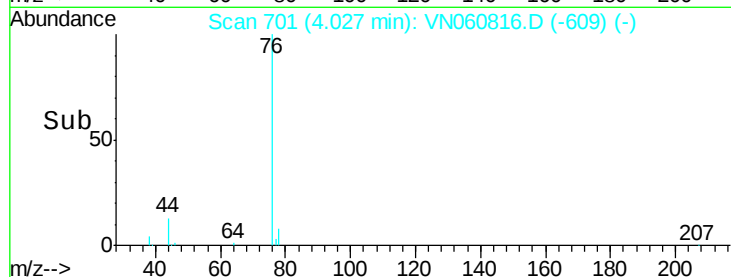
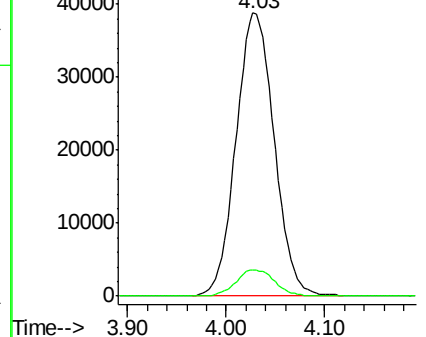
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN060565.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060565.D (-681) (-)



#18

Methyl Acetate

Concen: 21.453 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060816.D

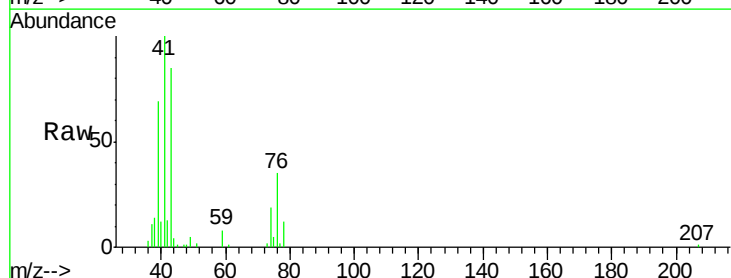
Acq: 2 Apr 2020 12:22

Tgt Ion: 43 Resp: 53238

Ion Ratio Lower Upper

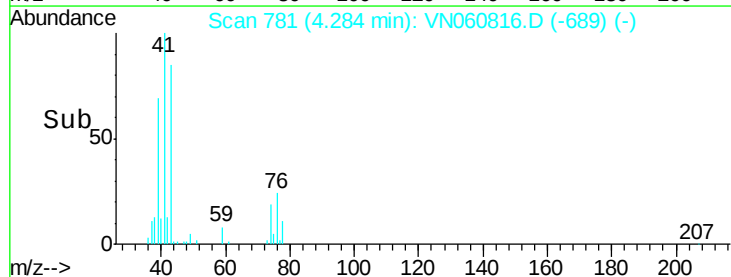
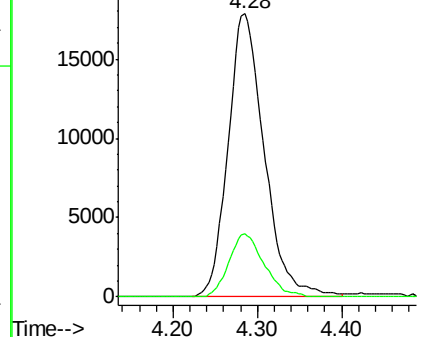
43 100

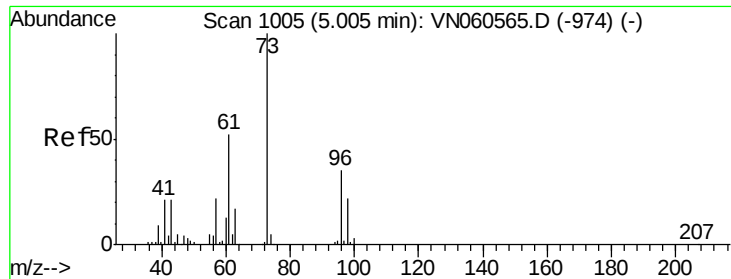
74 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-760) (-)

Ion 74.00 (73.70 to 74.70): VN060565.D (-760) (-)





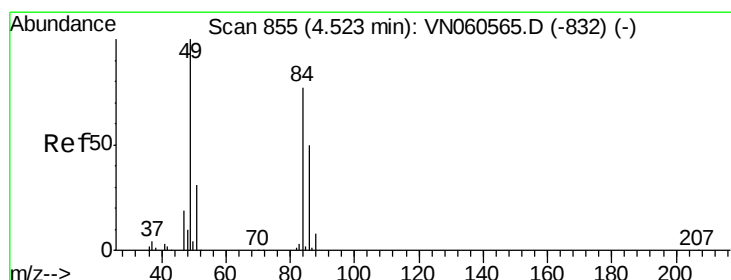
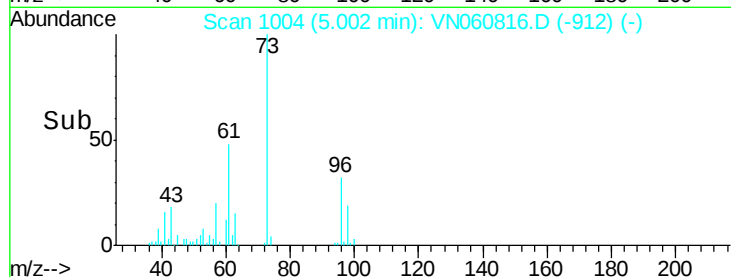
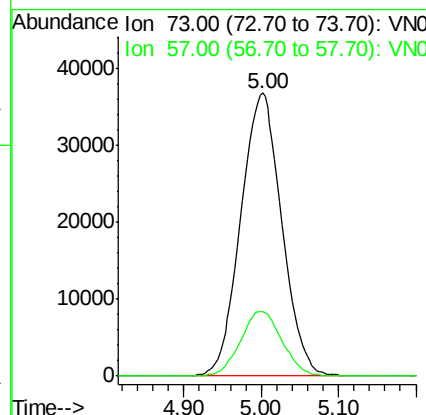
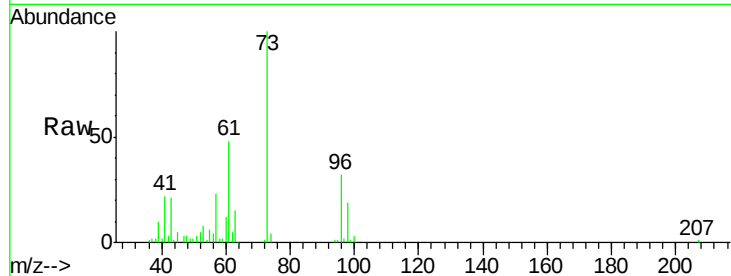
#19  
Methyl tert-butyl Ether  
Concen: 20.136 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion   | 73   | Resp  | 135902 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 73        | 100  |       |        |
| 57        | 22.8 | 17.5  | 26.3   |

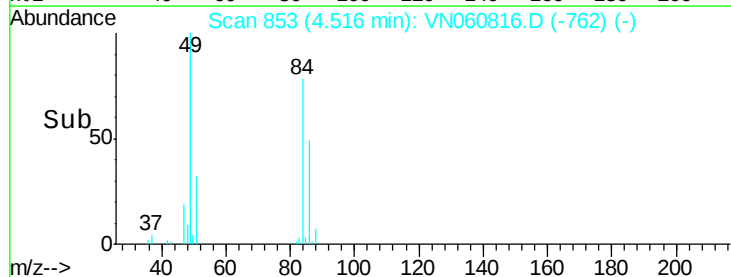
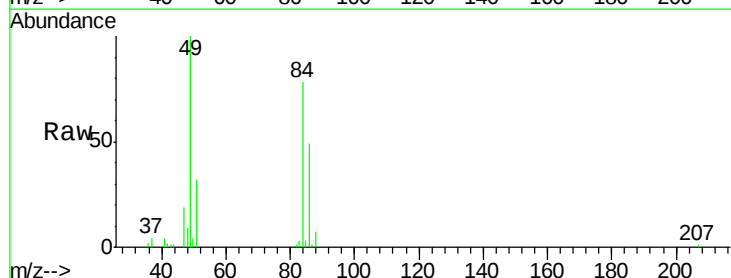
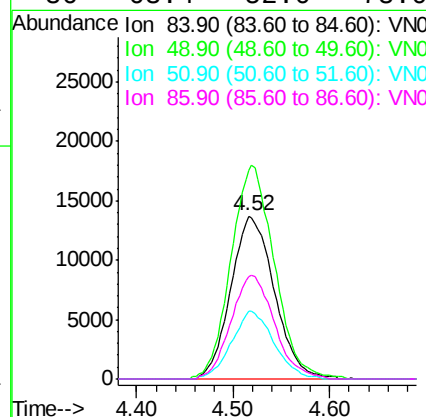
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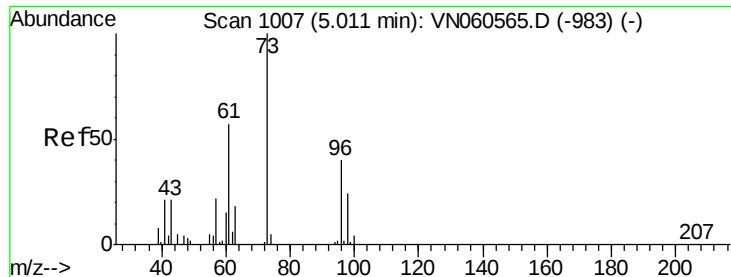
MMDadoda  
4/3/2020 12:06:26 PM



#20  
Methylene Chloride  
Concen: 19.790 ug/l  
RT: 4.52 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion   | 84    | Resp  | 42921 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 84        | 100   |       |       |
| 49        | 127.2 | 103.3 | 154.9 |
| 51        | 41.7  | 31.6  | 47.4  |
| 86        | 63.4  | 52.0  | 78.0  |





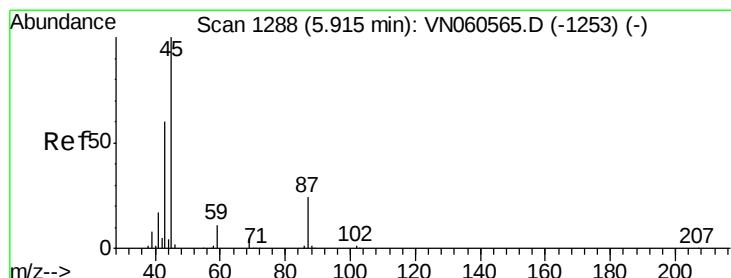
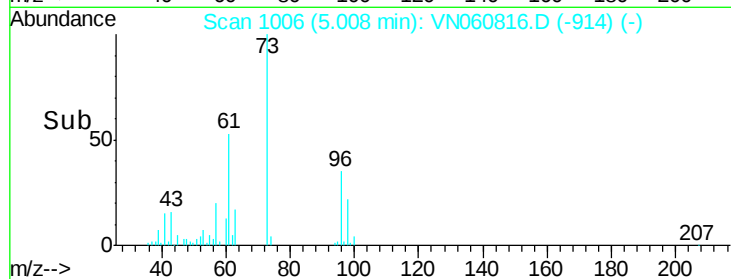
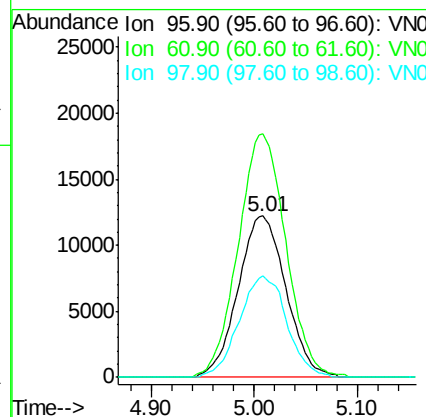
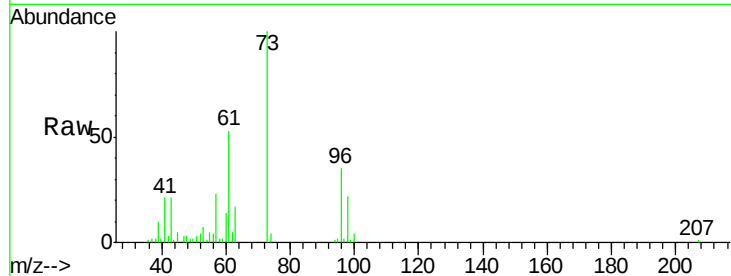
#21  
trans-1,2-Dichloroethene  
Concen: 18.858 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.9 | 114.4 | 171.6 |
| 98      | 62.8  | 48.4  | 72.6  |

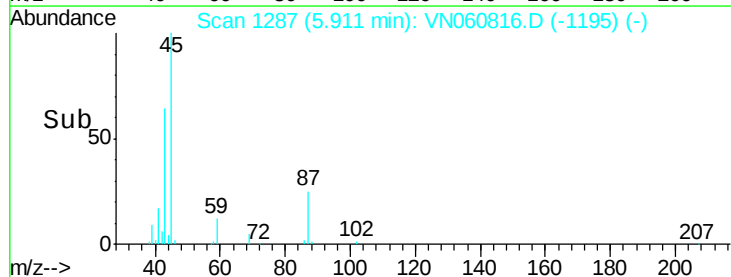
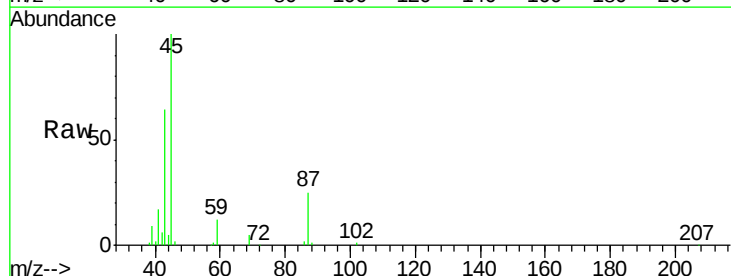
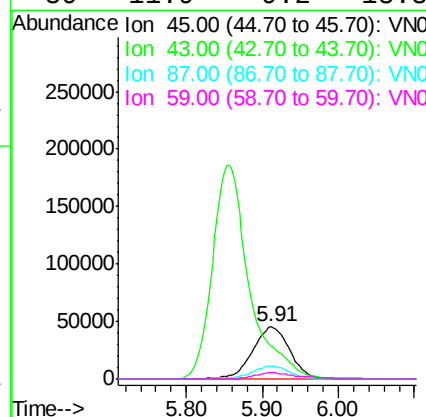
Manual Integrations  
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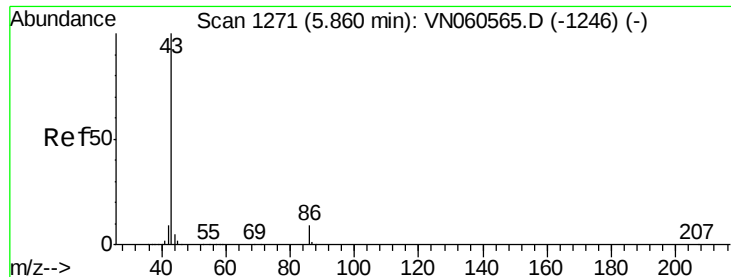
MMDadoda  
4/3/2020 12:06:26 PM



#22  
Diisopropyl ether  
Concen: 21.106 ug/l  
RT: 5.91 min Scan# 1287  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 62.4  | 49.8  | 74.8  |
| 87      | 25.0  | 20.1  | 30.1  |
| 59      | 11.9  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 105.546 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 43 Resp: 628160

Ion Ratio Lower Upper

43 100

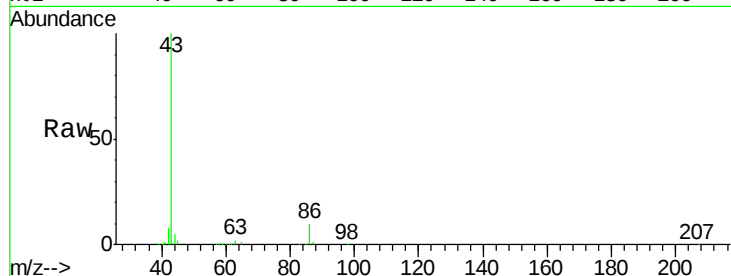
86 9.5 7.6 11.4

Manual Integrations

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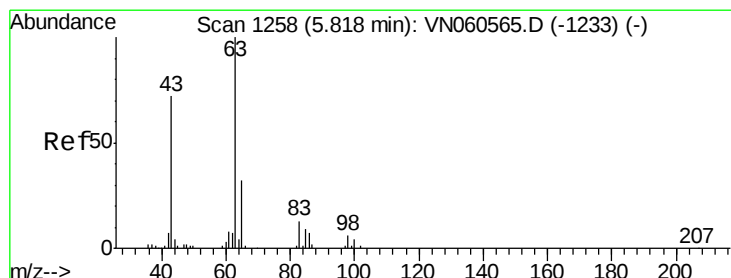
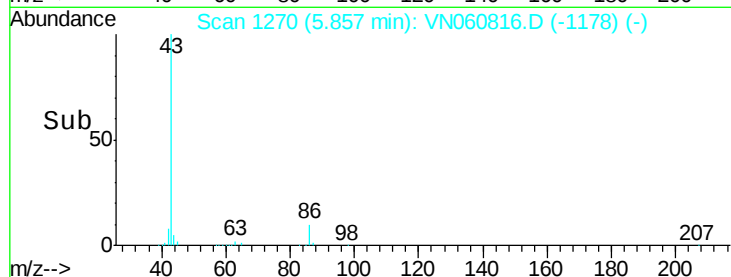
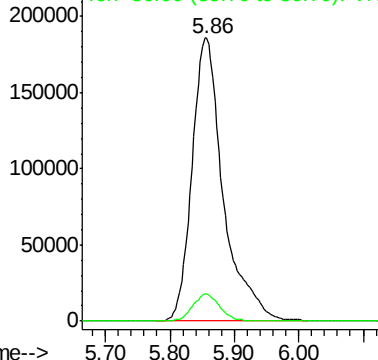
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.237 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

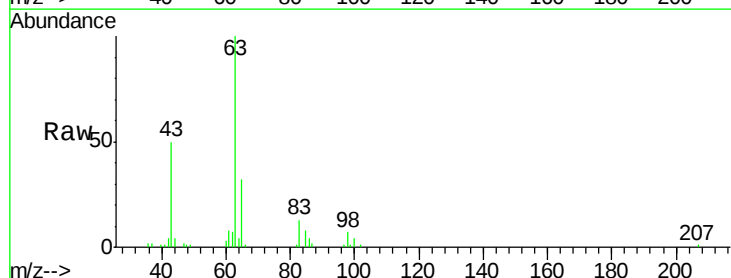
Tgt Ion: 63 Resp: 80470

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.7

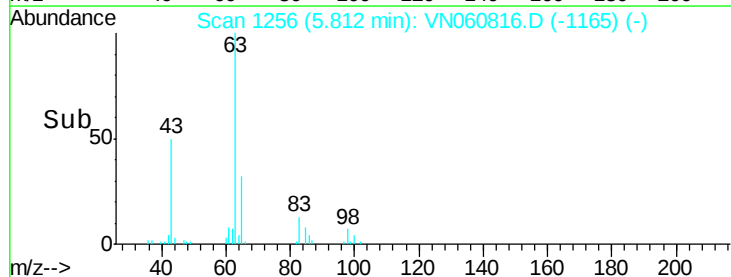
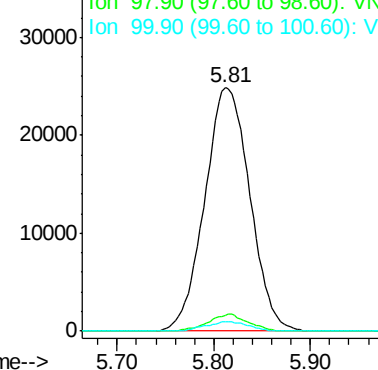
100 3.8 1.8 5.5

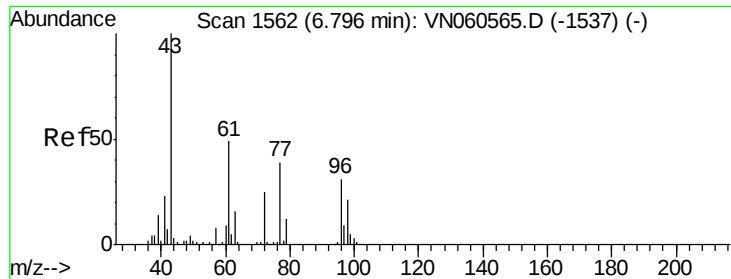


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 103.081 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 43 Resp: 147064

Ion Ratio Lower Upper

43 100

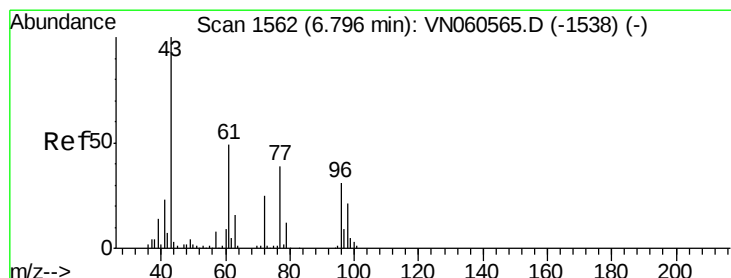
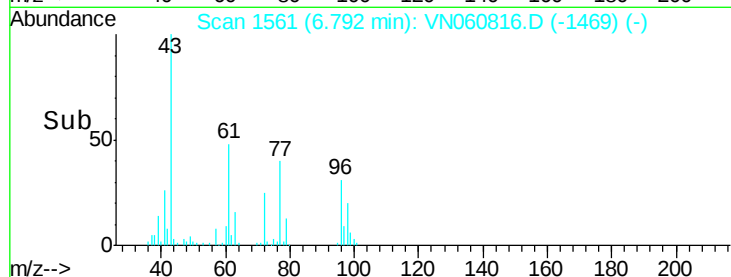
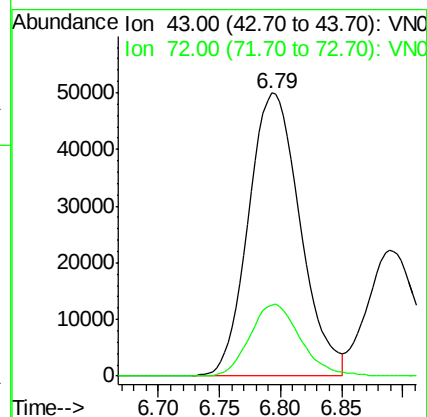
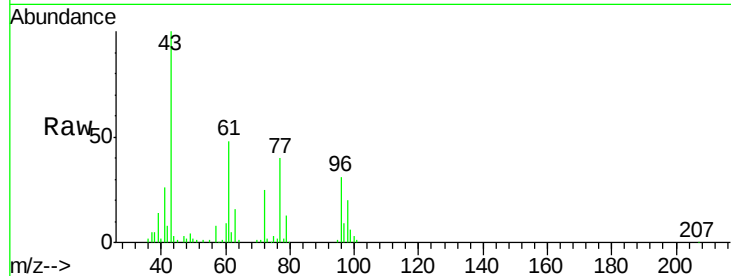
72 25.0 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.242 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060816.D

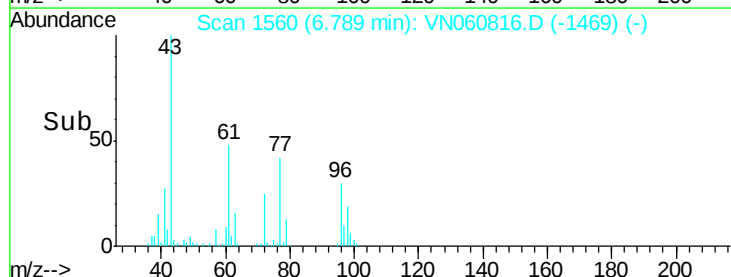
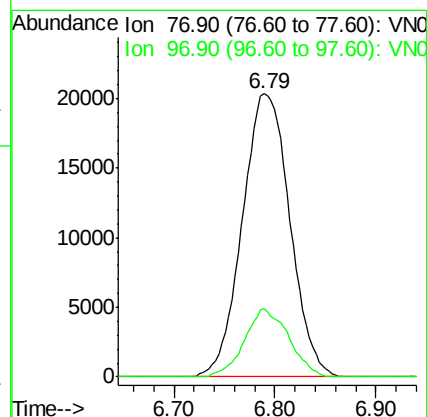
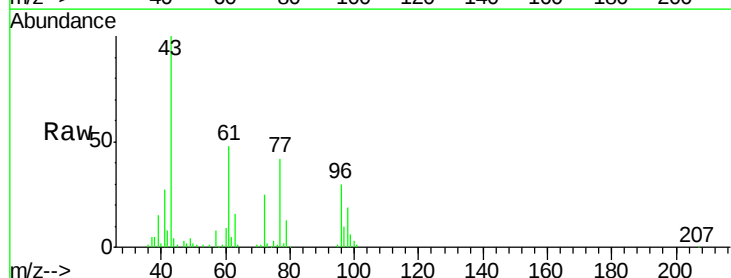
Acq: 2 Apr 2020 12:22

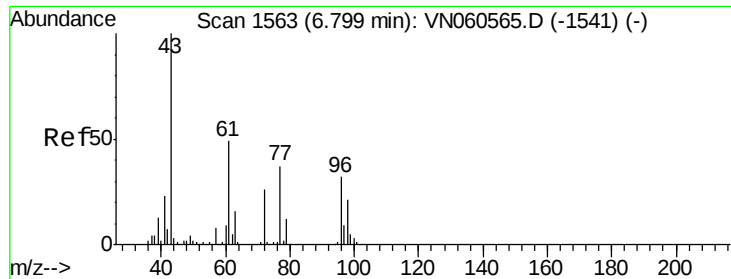
Tgt Ion: 77 Resp: 66458

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.981 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

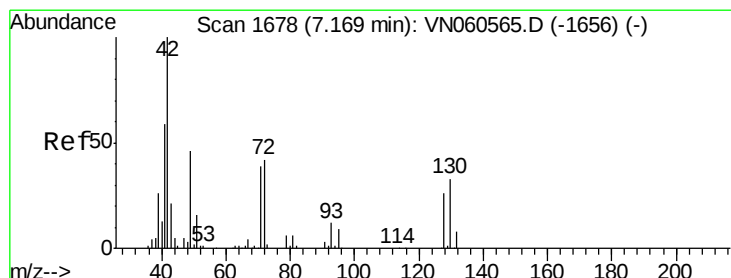
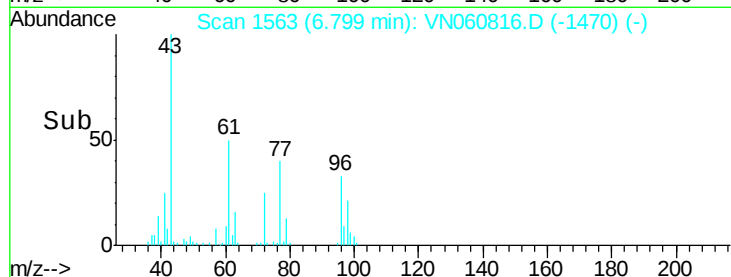
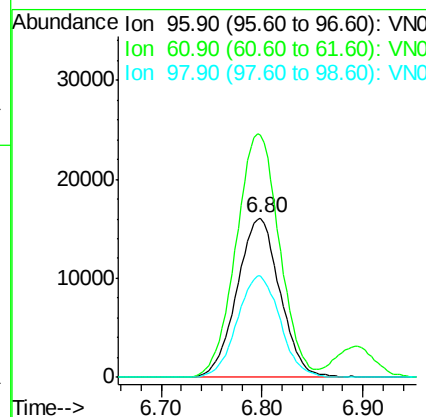
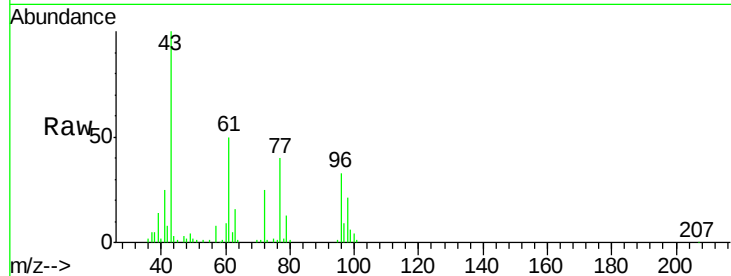
ClientSampleId :

VN0402WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 47506 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 154.2 | 0.0   | 305.6 |
| 98       | 63.5  | 0.0   | 127.6 |

Manual Integrations  
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#28

Bromochloromethane

Concen: 19.748 ug/l

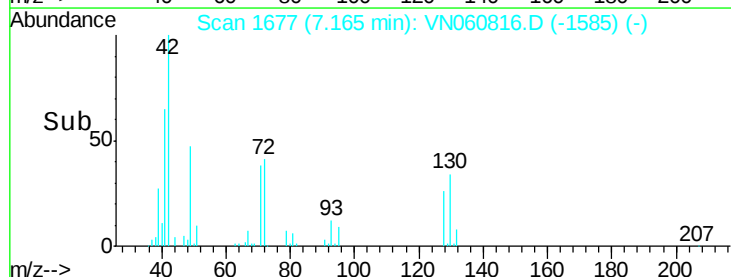
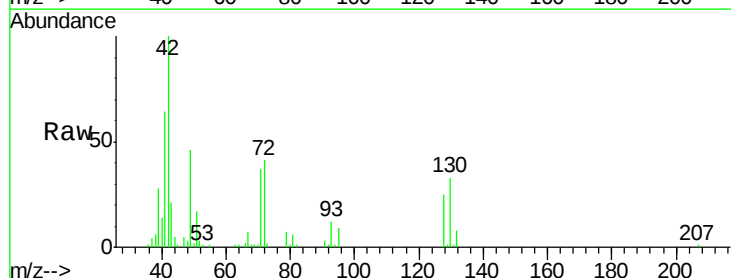
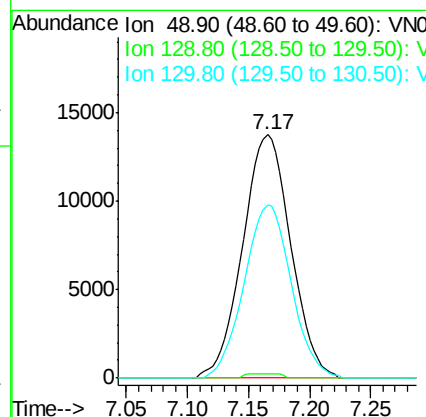
RT: 7.17 min Scan# 1677

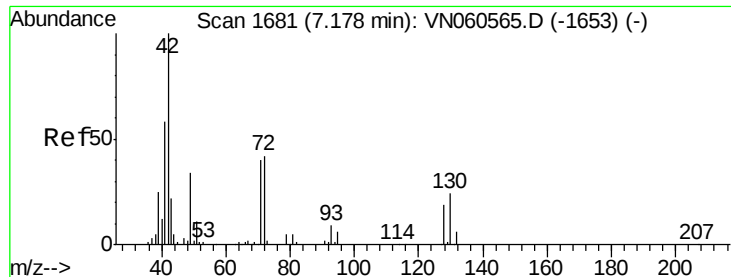
Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 37570 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.2   | 0.0   | 3.4   |
| 130      | 69.7  | 55.0  | 82.4  |





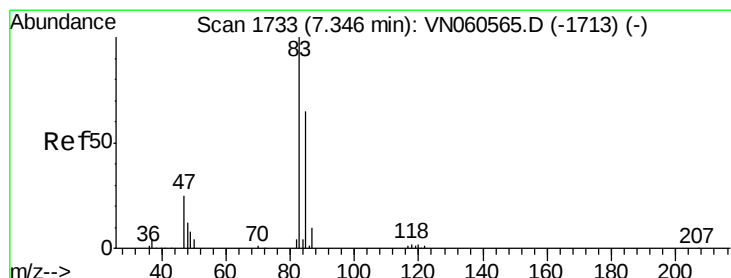
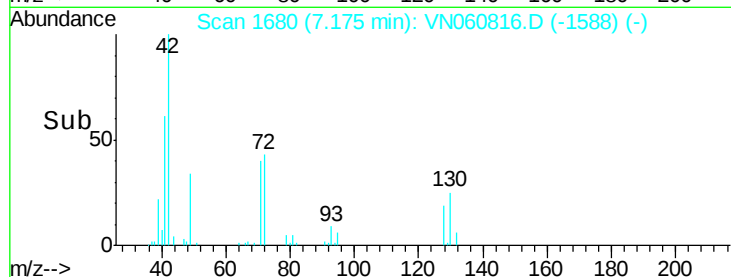
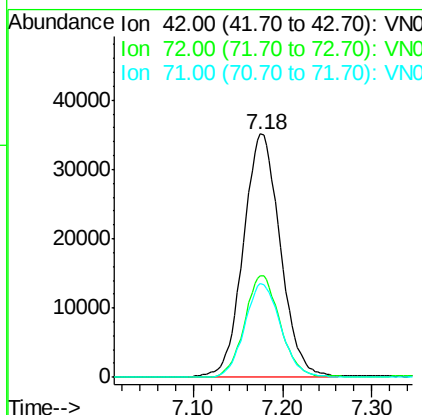
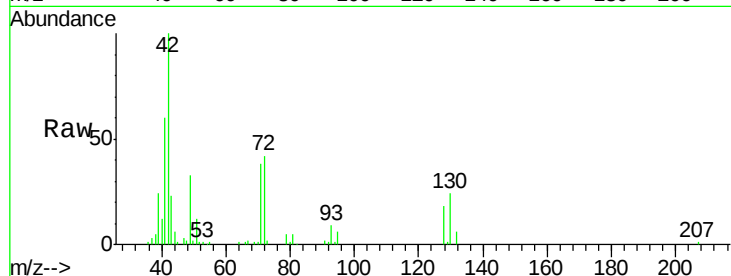
#29  
Tetrahydrofuran  
Concen: 100.485 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.1  | 33.2  | 49.8  |
| 71      | 37.4  | 31.1  | 46.7  |

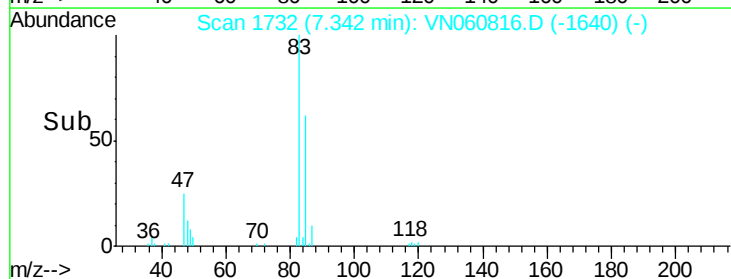
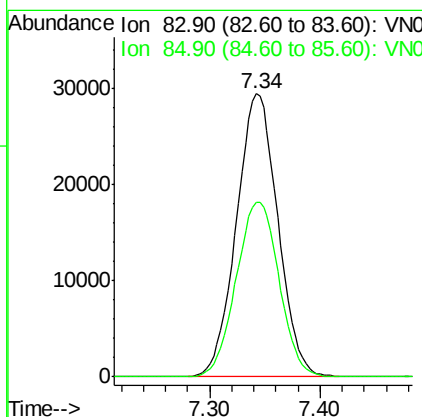
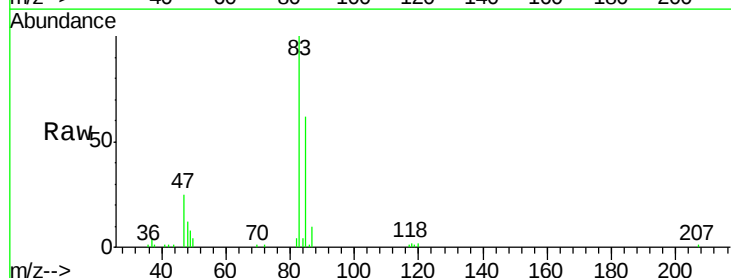
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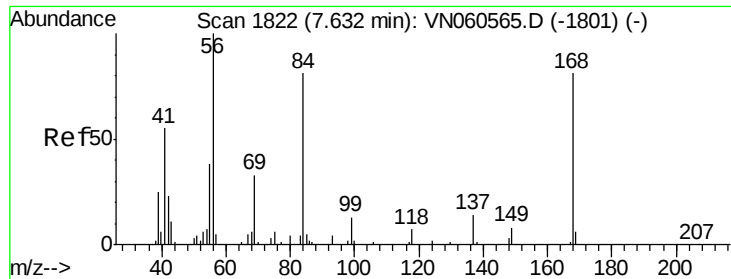
MMDadoda  
4/3/2020 12:06:26 PM



#30  
Chloroform  
Concen: 20.096 ug/l  
RT: 7.34 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.8  | 51.8  | 77.8  |





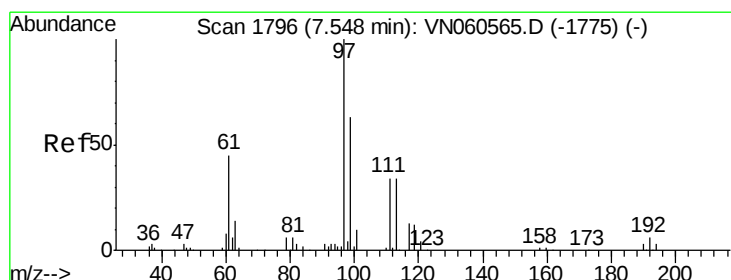
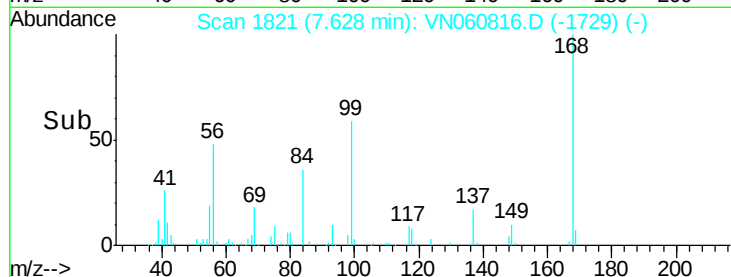
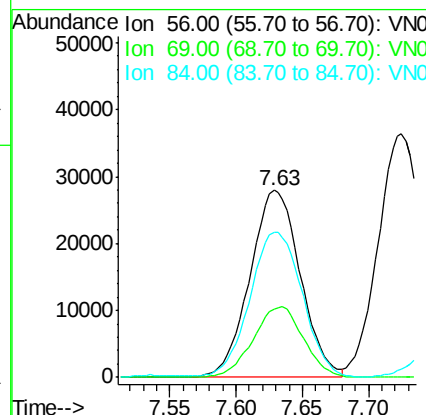
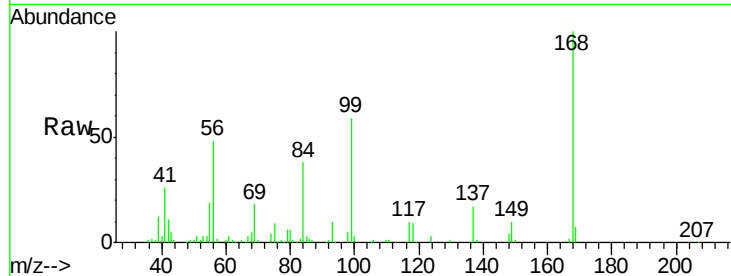
#31  
Cyclohexane  
Concen: 18.491 ug/l  
RT: 7.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.7  | 26.6  | 40.0  |
| 84      | 77.3  | 64.3  | 96.5  |

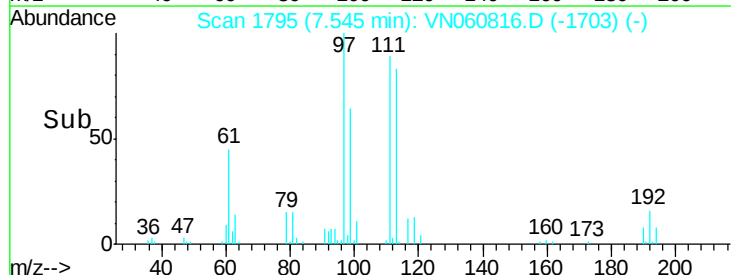
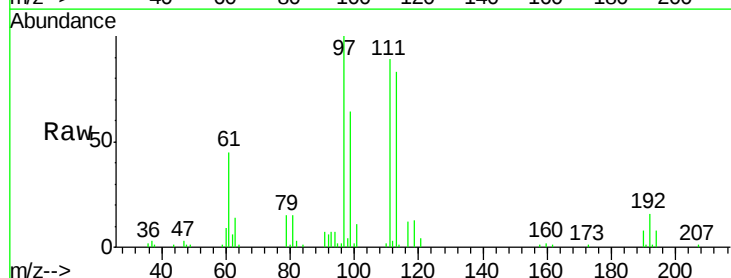
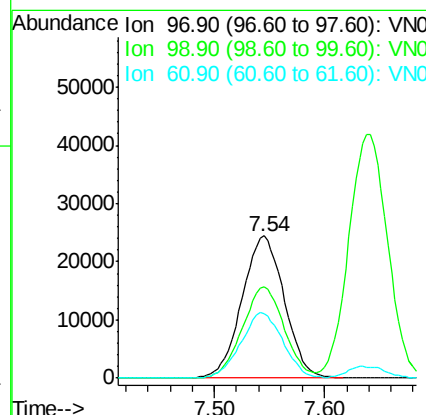
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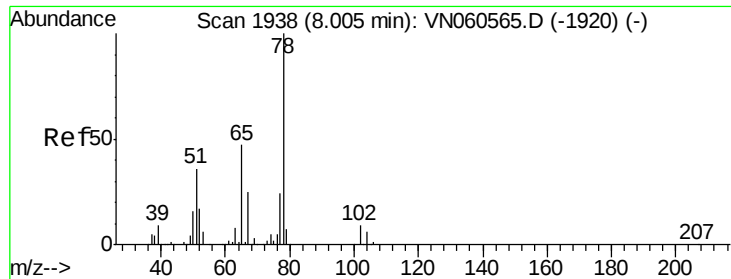
MMDadoda  
4/3/2020 12:06:26 PM



#32  
1,1,1-Trichloroethane  
Concen: 19.699 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.6  | 50.6  | 75.8  |
| 61      | 45.8  | 36.2  | 54.4  |





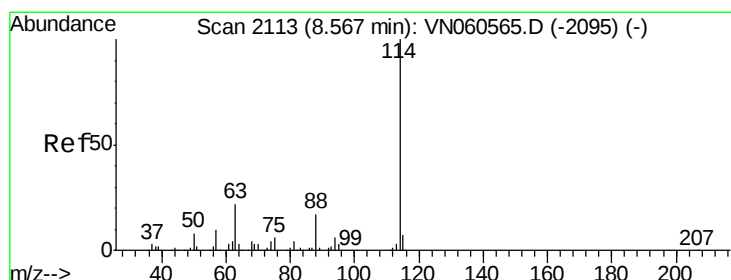
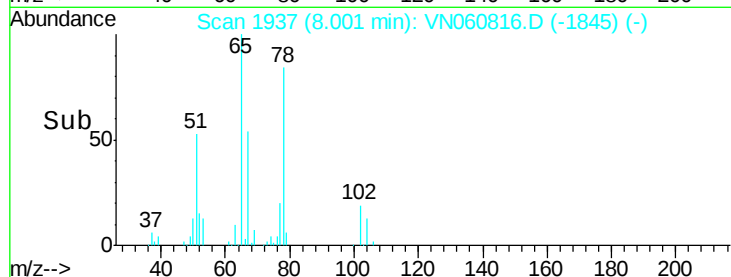
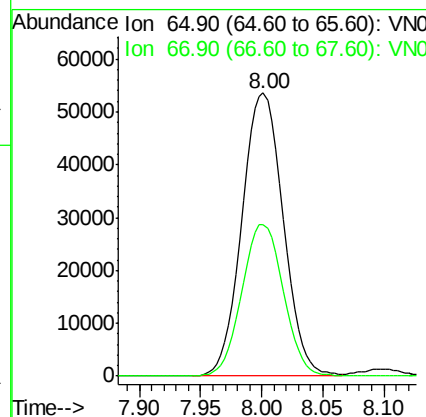
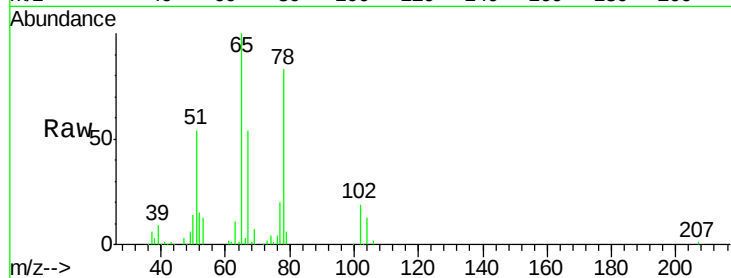
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.572 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.9  | 0.0  | 107.6 |       |

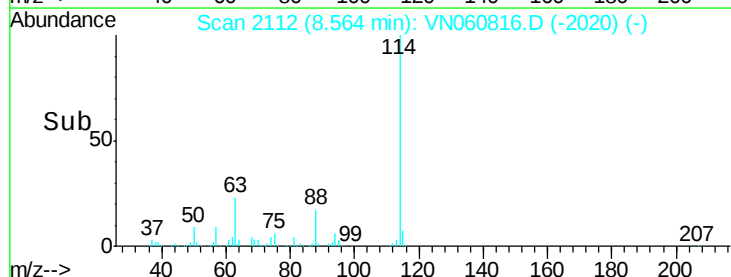
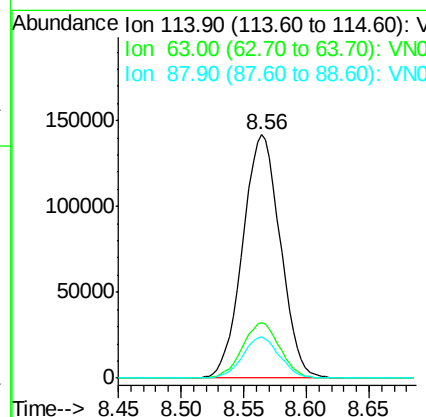
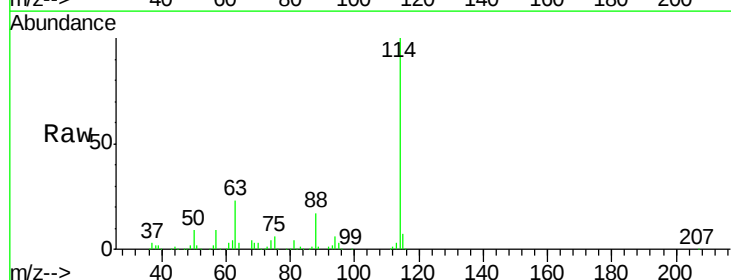
Manual Integrations  
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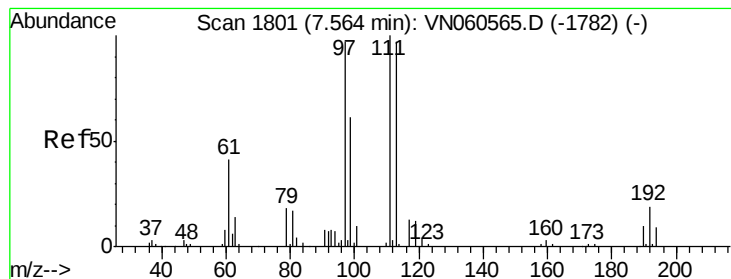
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 22.7  | 0.0  | 43.8  |       |
| 88      | 16.7  | 0.0  | 33.0  |       |





#35

Dibromofluoromethane

Concen: 52.351 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

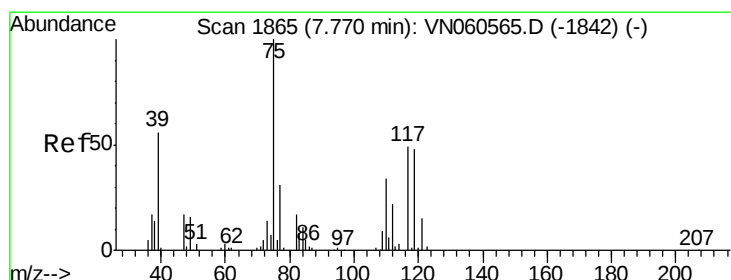
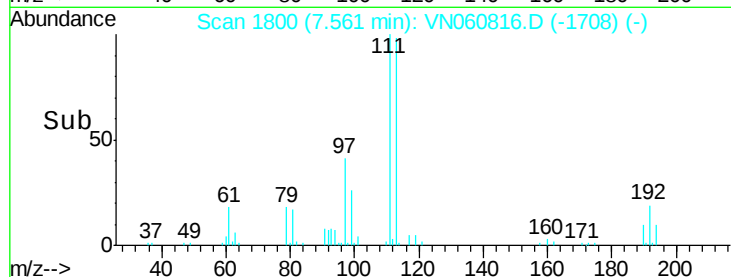
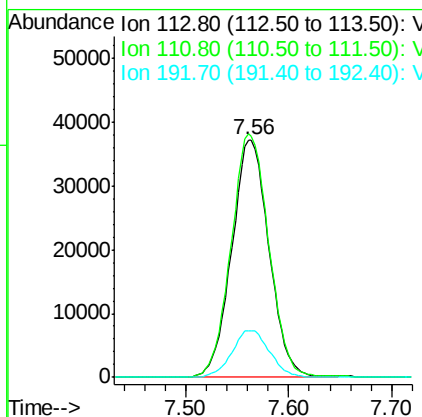
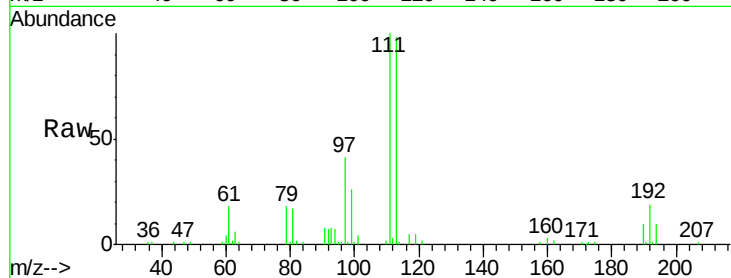
ClientSampleId :

VN0402WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 93746 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.5 | 82.9  | 124.3 |
| 192      | 19.9  | 15.8  | 23.8  |

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4/3/2020 12:06:26 PM



#36

1,1-Dichloropropene

Concen: 20.075 ug/l

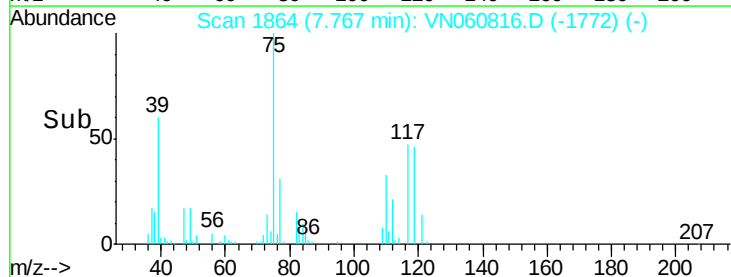
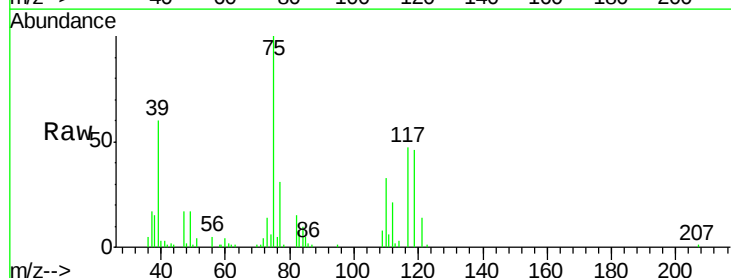
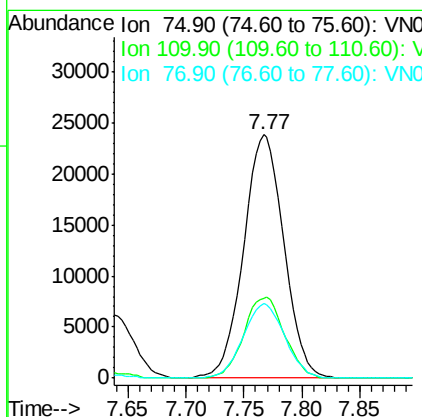
RT: 7.77 min Scan# 1864

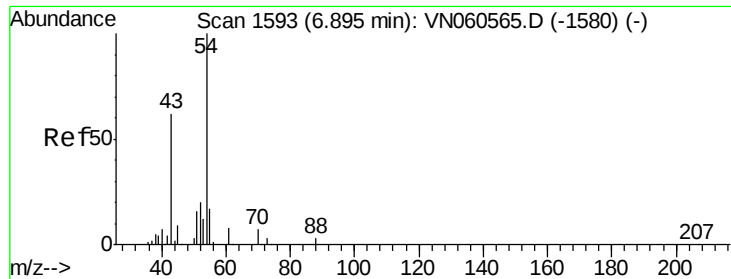
Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 57568 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 33.6  | 16.9  | 50.6  |
| 77       | 31.5  | 24.6  | 36.8  |





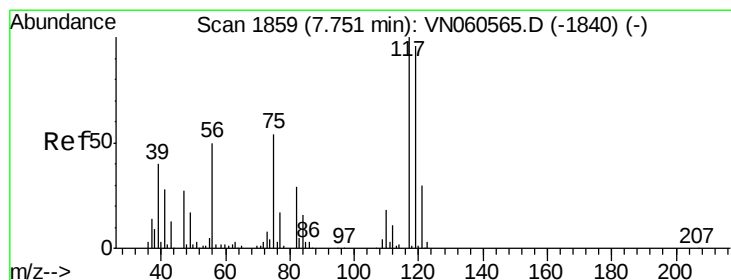
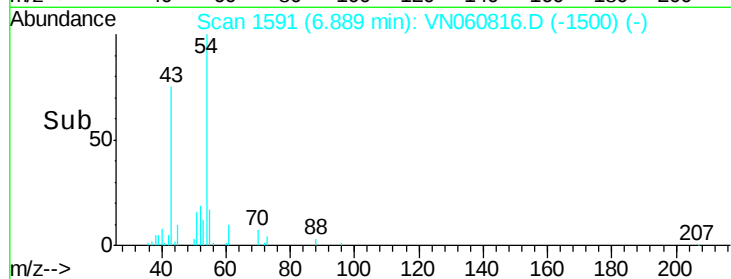
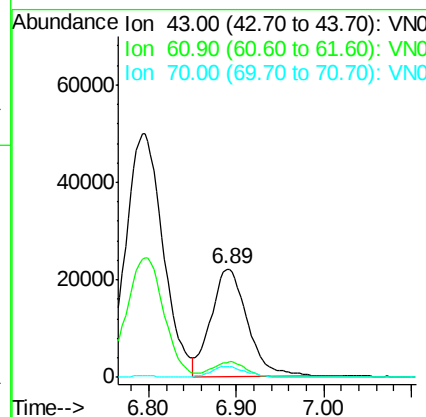
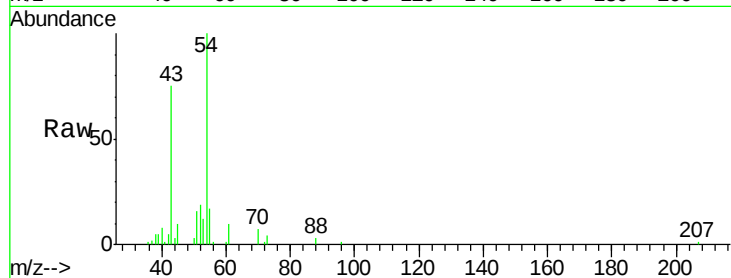
#37  
Ethyl Acetate  
Concen: 20.820 ug/l  
RT: 6.89 min Scan# 1591  
Delta R.T. -0.01 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 10.6  | 15.8  |
| 70      | 9.4   | 7.9   | 11.9  |

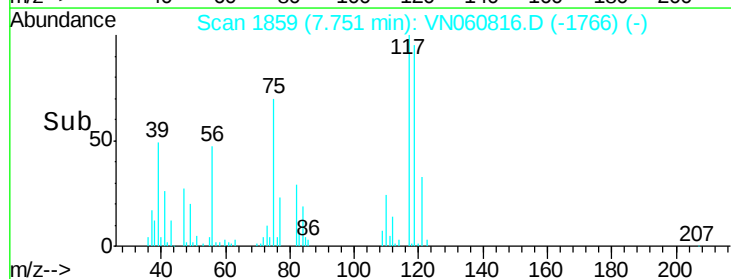
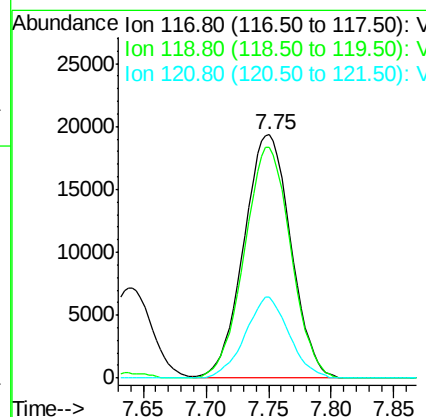
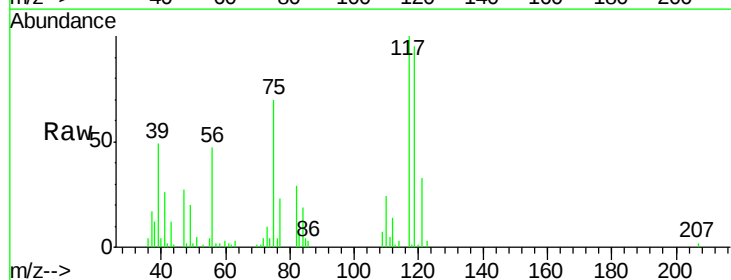
Manual Integrations  
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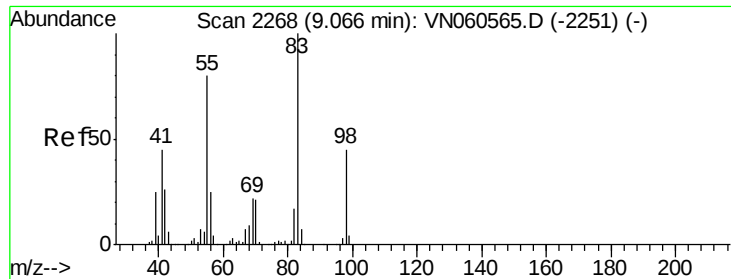
MMDadoda  
4/3/2020 12:06:26 PM



#38  
Carbon Tetrachloride  
Concen: 19.625 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.6  | 76.2  | 114.2 |
| 121     | 33.3  | 23.7  | 35.5  |





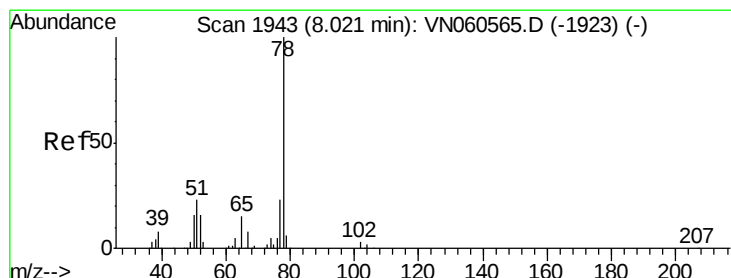
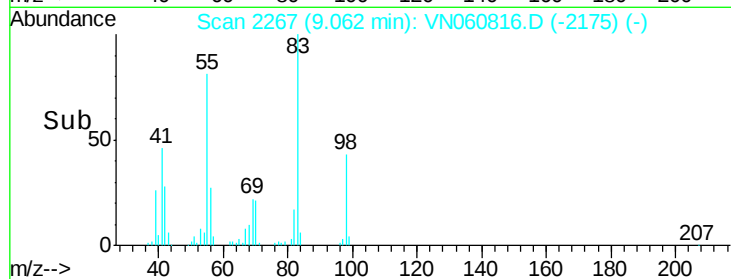
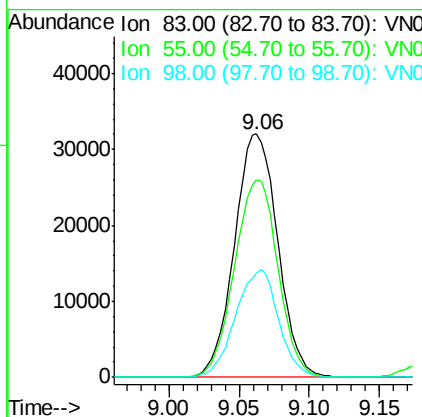
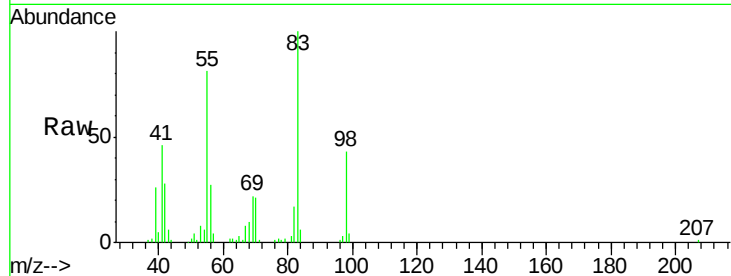
#39  
Methvlcvclohexane  
Concen: 20.196 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.3  | 63.6  | 95.4  |
| 98      | 42.9  | 36.0  | 54.0  |

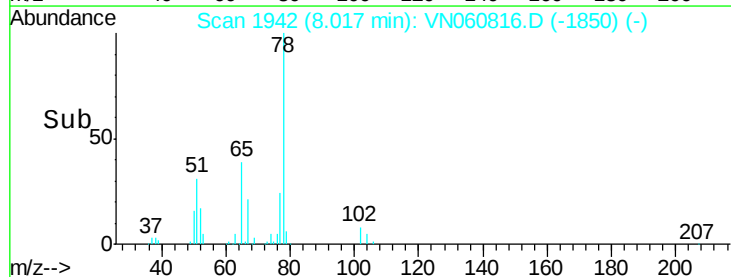
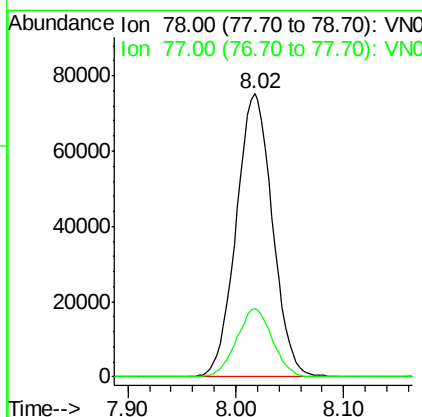
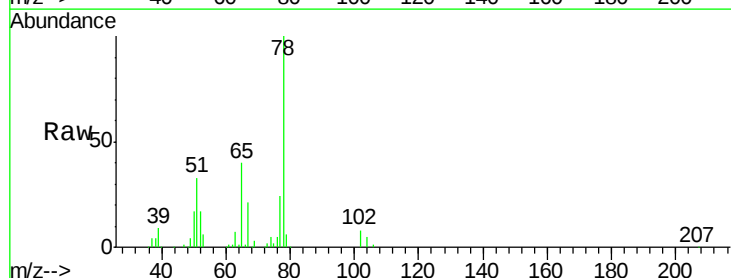
Manual Integrations  
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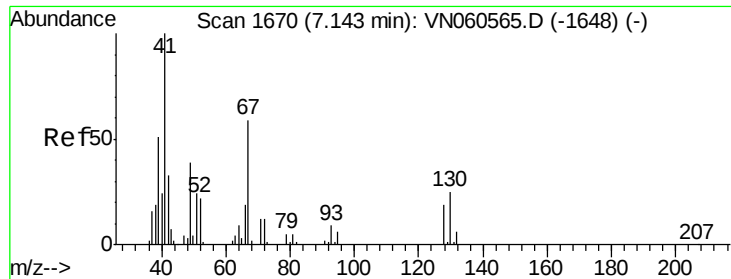
MMDadoda  
4/3/2020 12:06:26 PM



#40  
Benzene  
Concen: 20.332 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.3  | 18.6  | 28.0  |





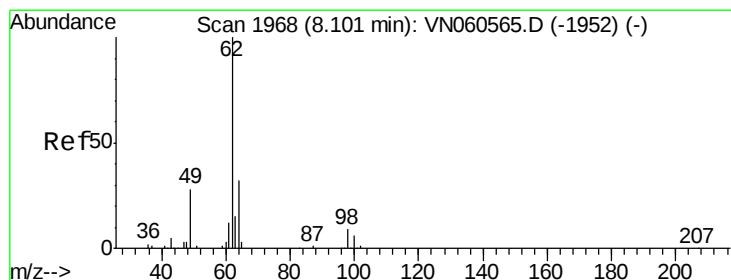
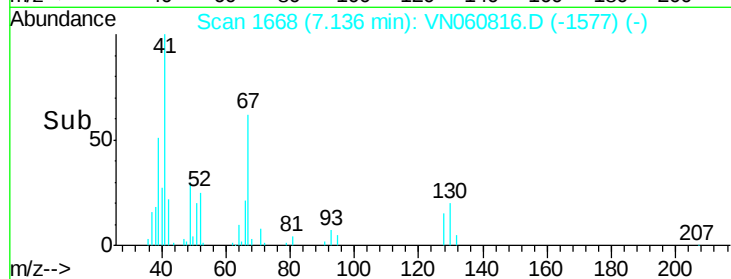
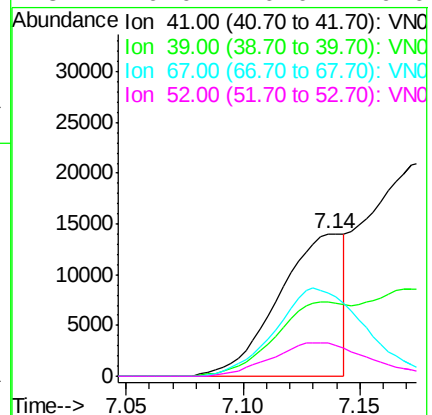
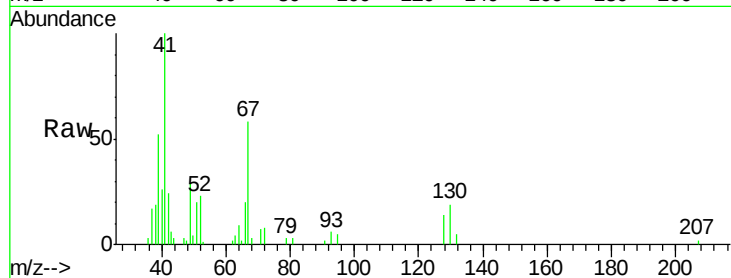
#41  
Methacrylonitrile  
Concen: 20.502 ug/l m  
RT: 7.14 min Scan# 1668  
Delta R.T. -0.01 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion   | 41    | Resp  | 27111 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 0.0   | 0.0   | 0.0   |
| 67        | 0.0   | 0.0   | 0.0   |
| 52        | 0.0   | 0.0   | 0.0   |

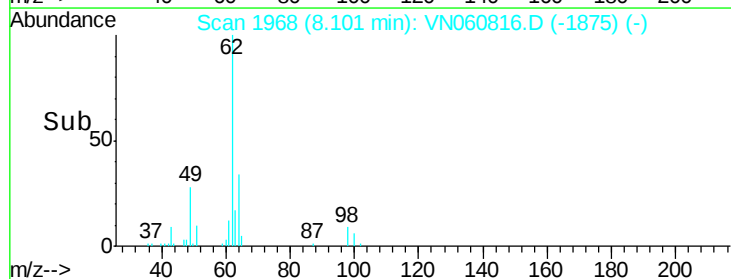
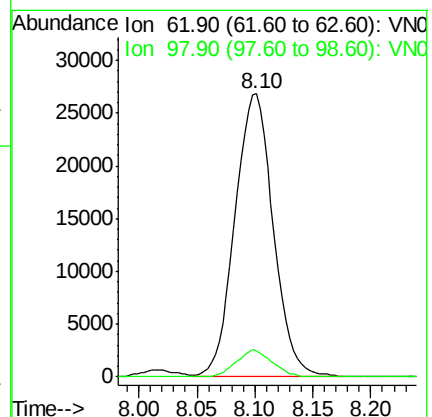
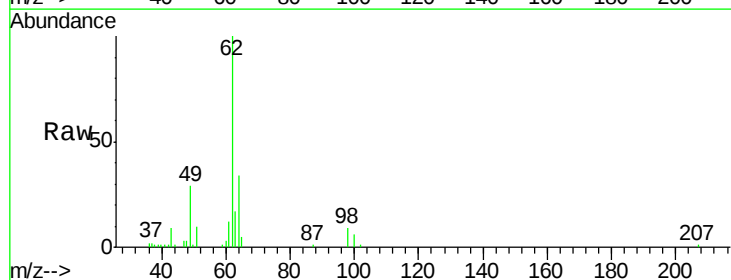
Manual Integrations  
APPROVED

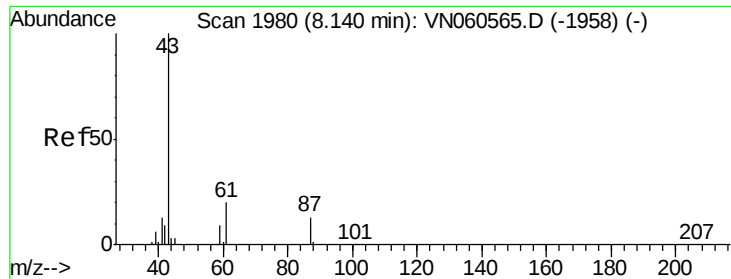
MMDadoda  
4/3/2020 12:06:26 PM



#42  
1,2-Dichloroethane  
Concen: 20.833 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion   | 62    | Resp  | 61632 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 8.7   | 0.0   | 17.8  |





#43

Isopropyl Acetate

Concen: 20.814 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

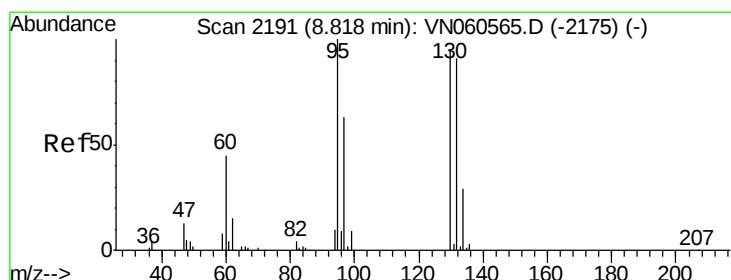
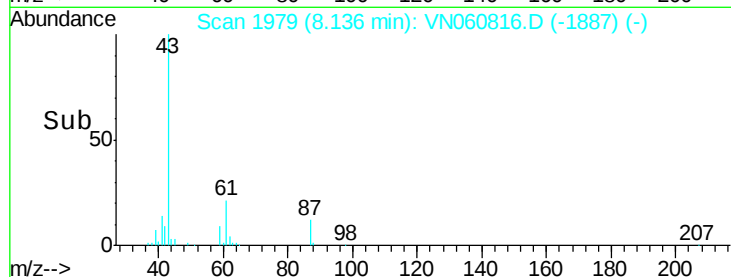
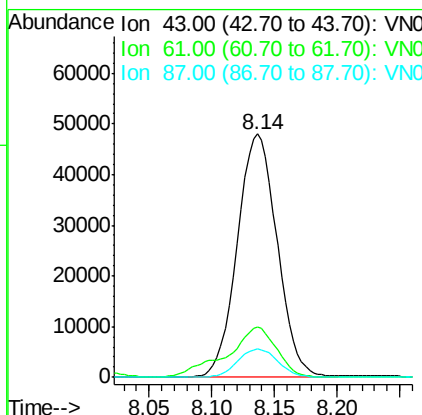
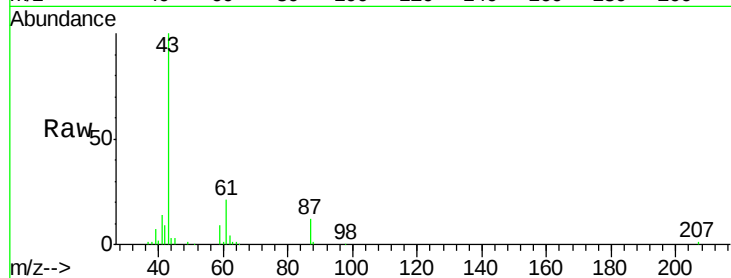
ClientSampleId :

VN0402WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 106359 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 25.7  | 20.7  | 31.1   |
| 87       | 11.7  | 9.8   | 14.8   |

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#44

Trichloroethene

Concen: 20.205 ug/l

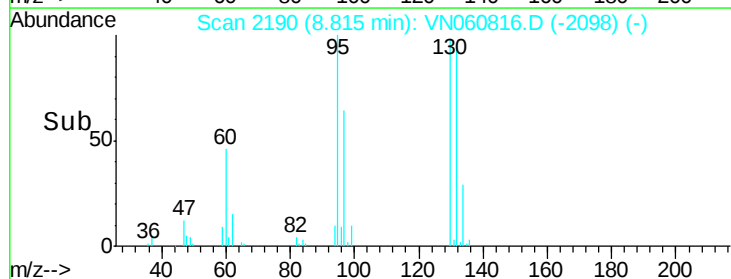
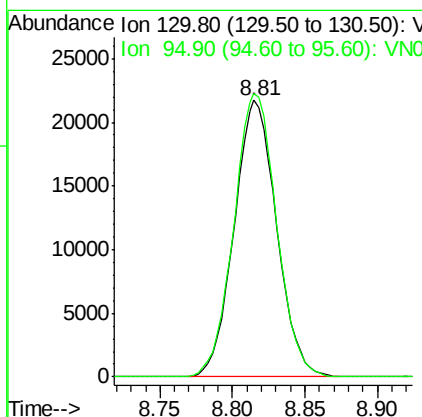
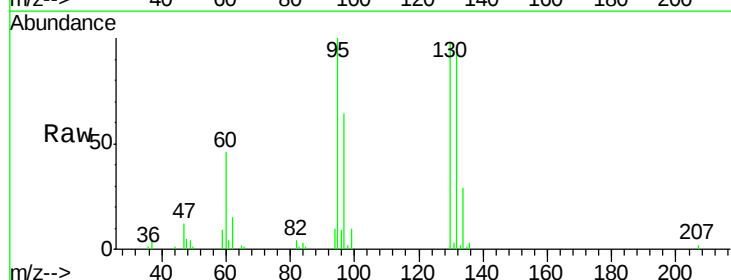
RT: 8.81 min Scan# 2190

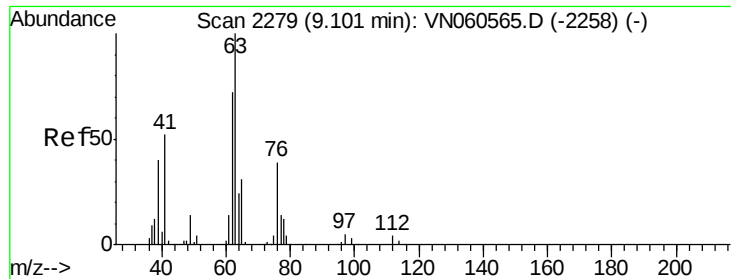
Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 44093 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.2 | 0.0   | 211.2 |





#45

1,2-Dichloropropane

Concen: 21.337 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 63 Resp: 48739

Ion Ratio Lower Upper

63 100

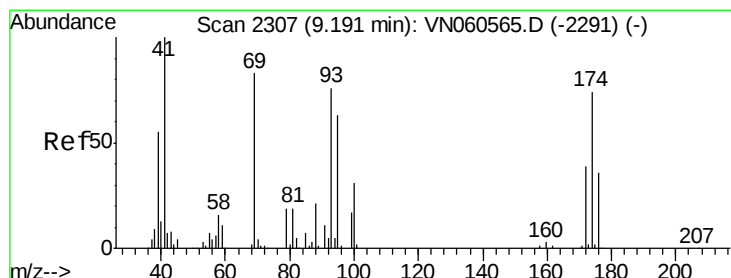
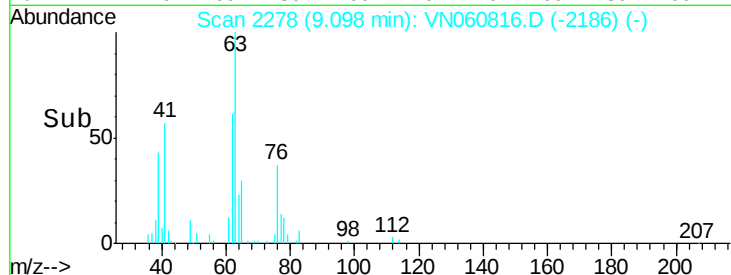
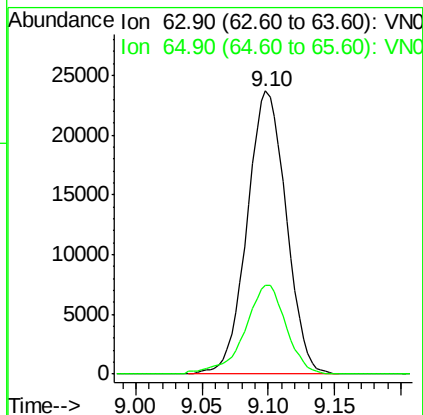
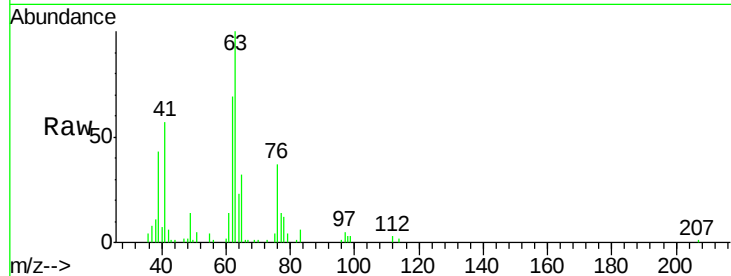
65 31.5 25.4 38.0

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#46

Dibromomethane

Concen: 20.974 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

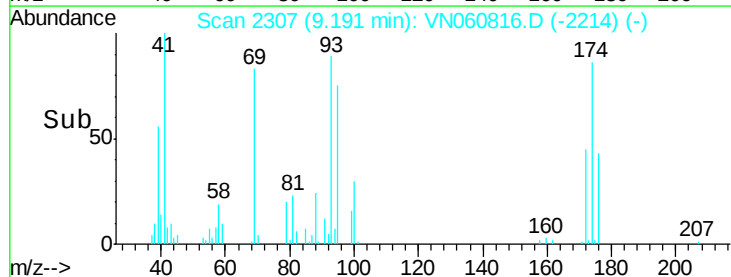
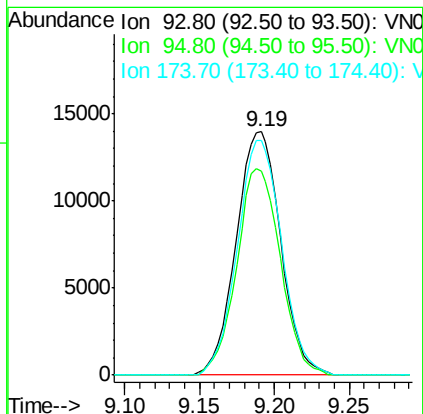
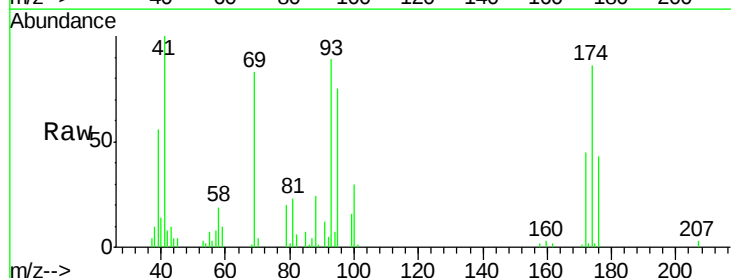
Tgt Ion: 93 Resp: 28964

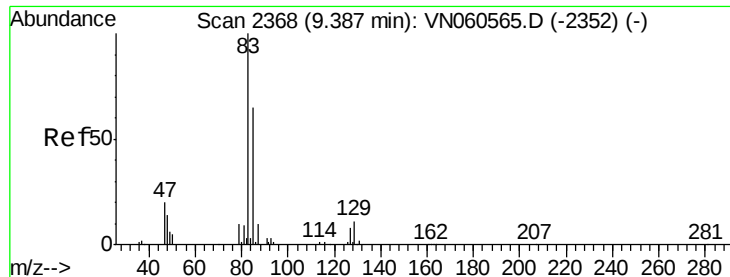
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 95.9 77.9 116.9





#47

Bromodichloromethane

Concen: 20.801 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

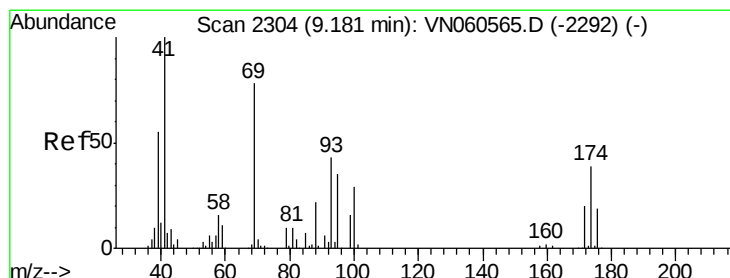
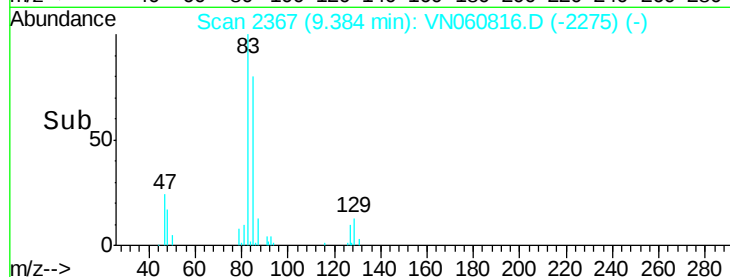
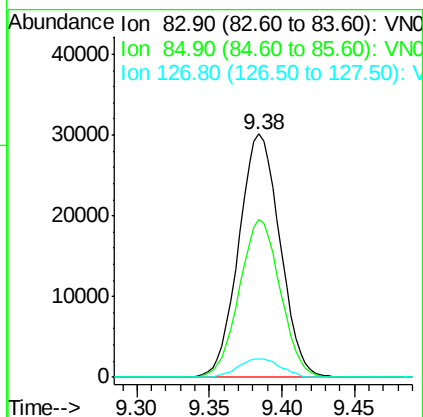
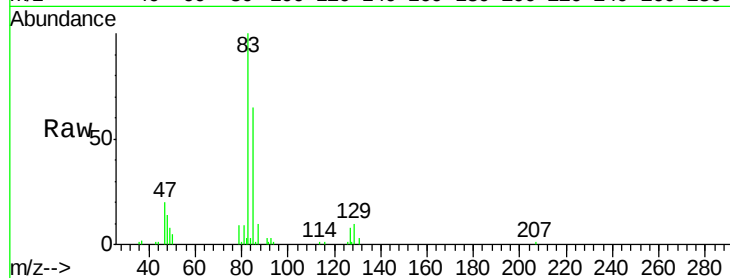
ClientSampleId :

VN0402WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 59691 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.8  | 51.8  | 77.6  |
| 127      | 7.7   | 6.5   | 9.7   |

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#48

Methyl methacrylate

Concen: 19.839 ug/l

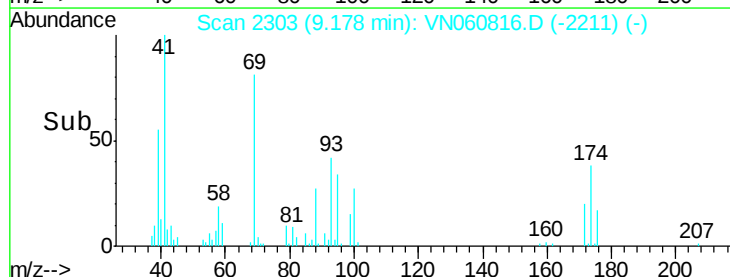
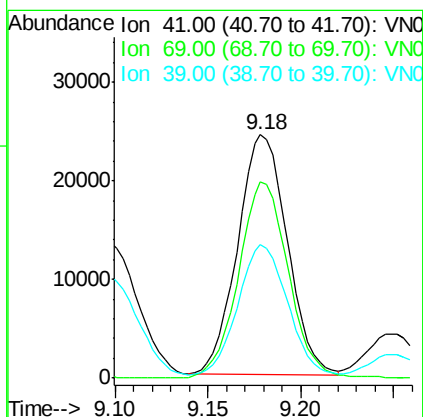
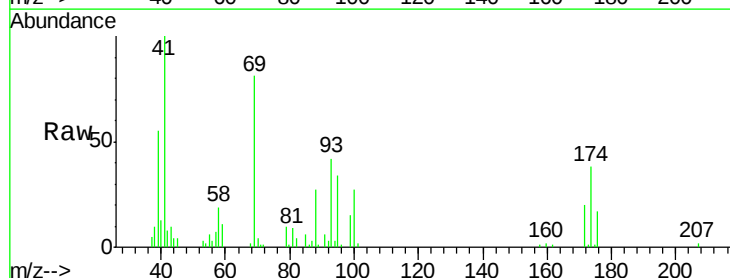
RT: 9.18 min Scan# 2303

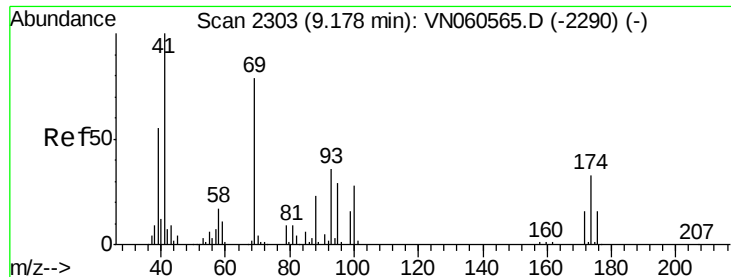
Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 45137 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 81.9  | 65.4  | 98.0  |
| 39       | 57.2  | 44.0  | 66.0  |





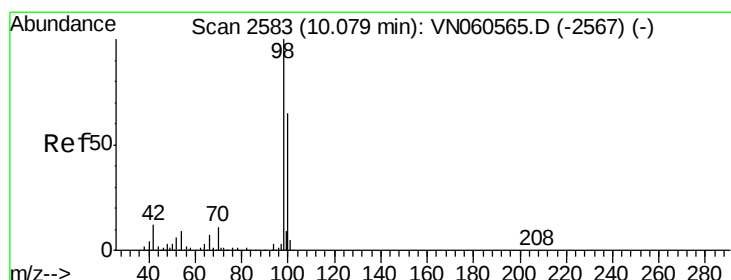
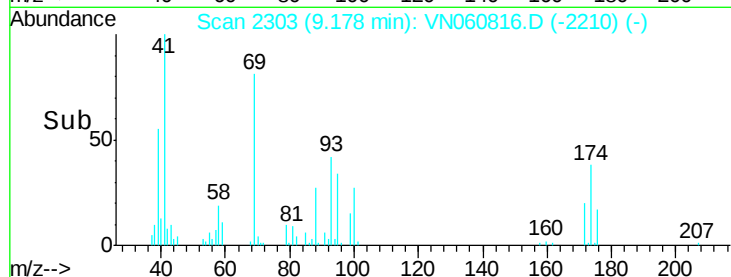
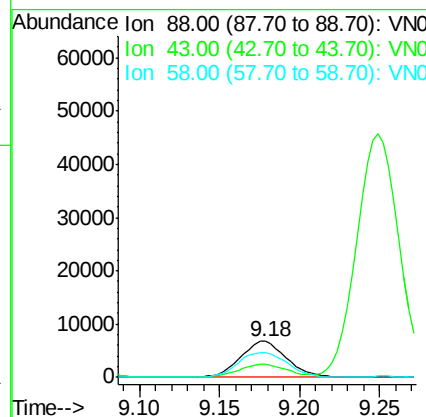
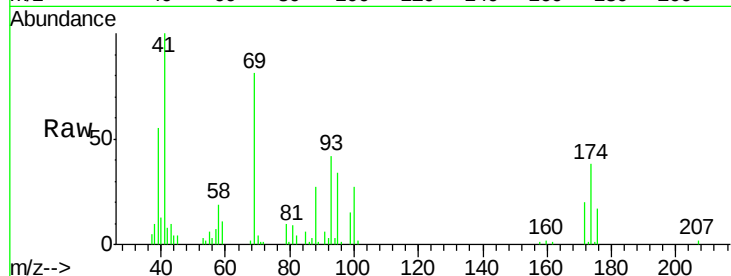
#49  
1,4-Dioxane  
Concen: 493.697 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.9  | 30.8  | 46.2  |
| 58      | 73.3  | 59.8  | 89.8  |

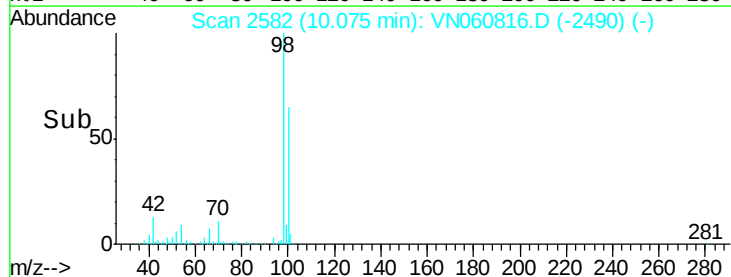
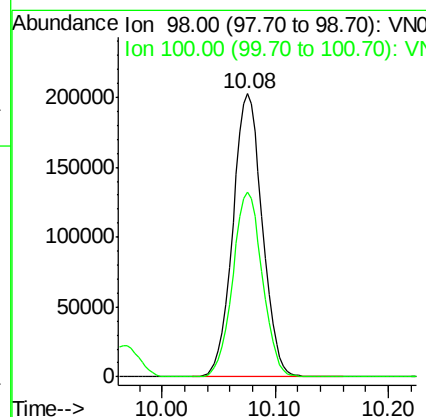
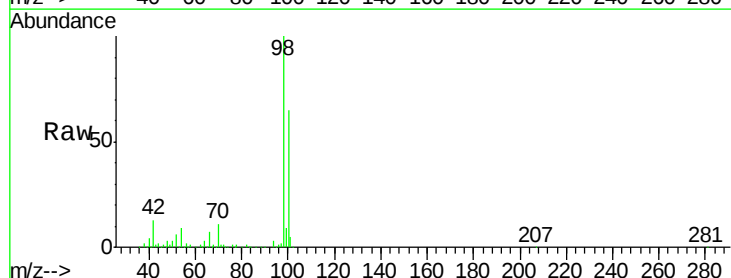
Manual Integrations  
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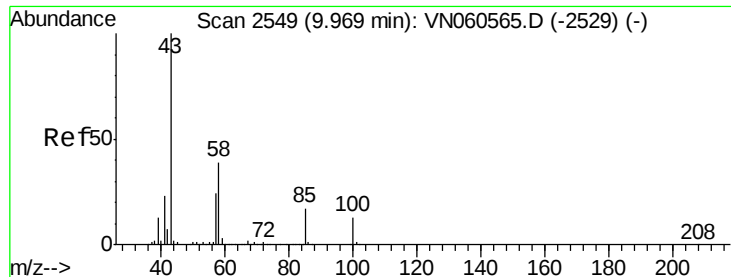
MMDadoda  
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#50  
Toluene-d8  
Concen: 50.140 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.4  | 51.8  | 77.8  |





#51

4-Methyl-2-Pentanone

Concen: 105.913 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 43 Resp: 307980

Ion Ratio Lower Upper

43 100

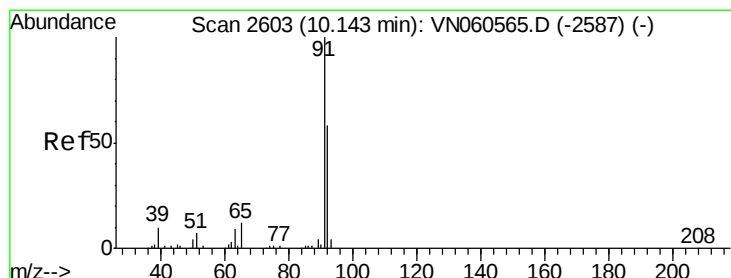
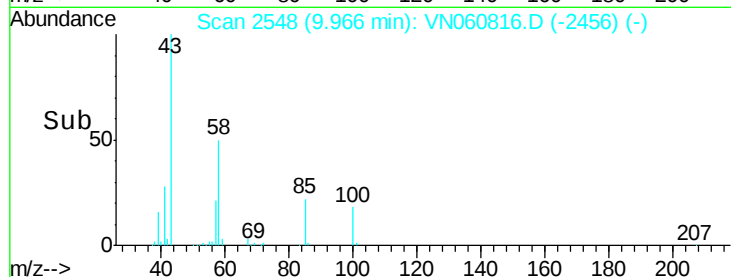
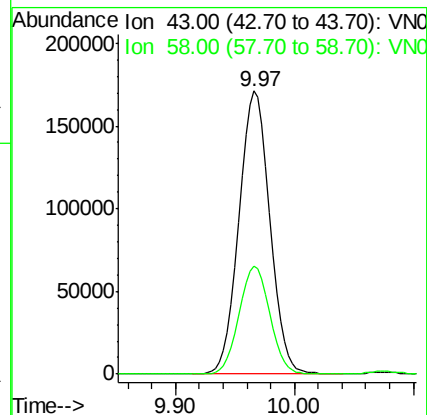
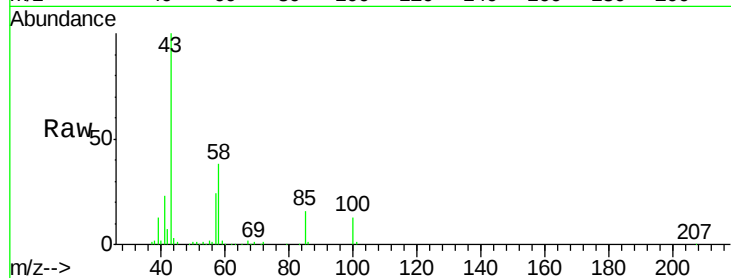
58 38.1 30.8 46.2

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#52

Toluene

Concen: 20.169 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060816.D

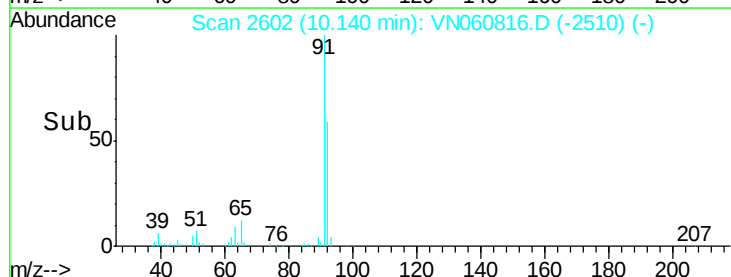
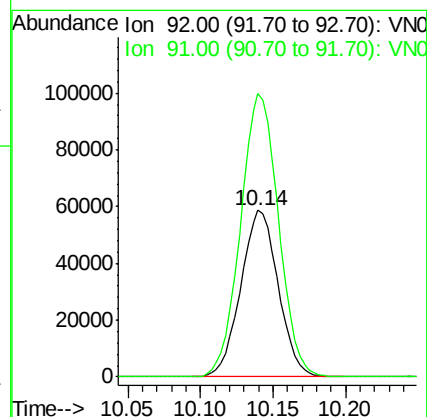
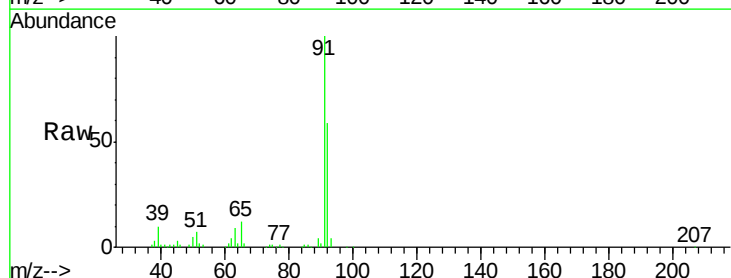
Acq: 2 Apr 2020 12:22

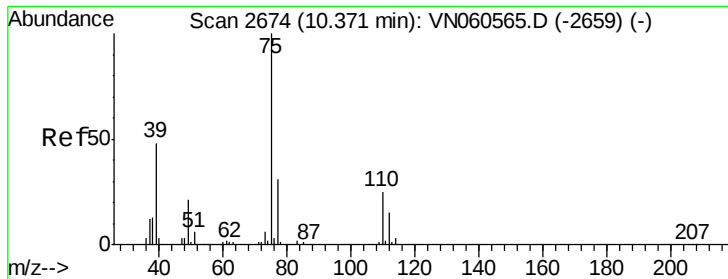
Tgt Ion: 92 Resp: 105445

Ion Ratio Lower Upper

92 100

91 171.9 137.6 206.4





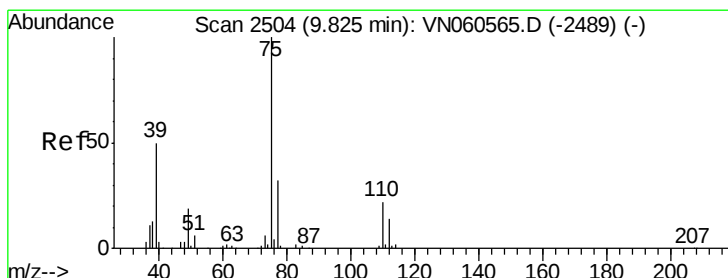
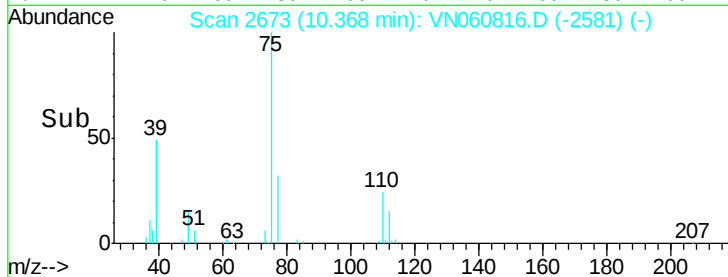
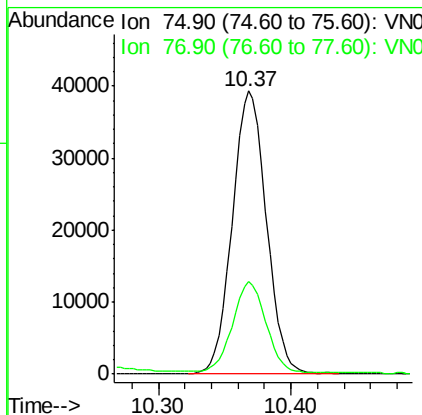
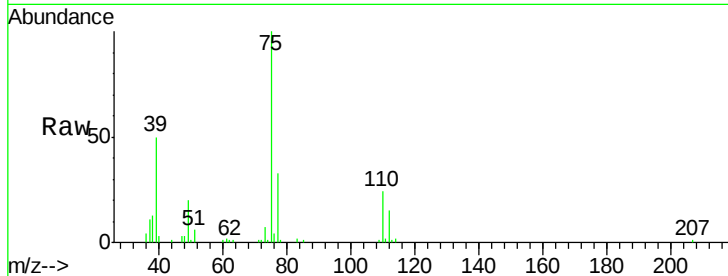
#53  
t-1,3-Dichloropropene  
Concen: 21.268 ug/l  
RT: 10.37 min Scan# 2673  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

Tot Ion: 75 Resp: 70104  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.1 37.7

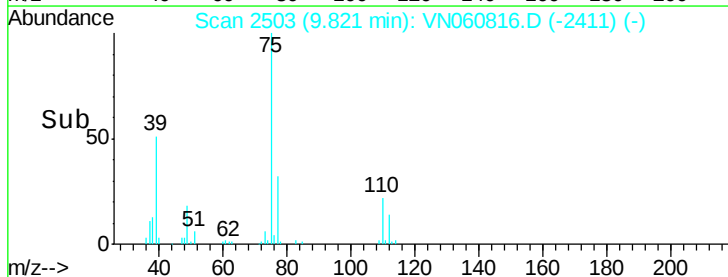
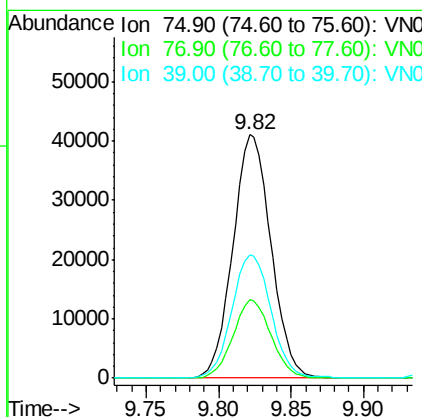
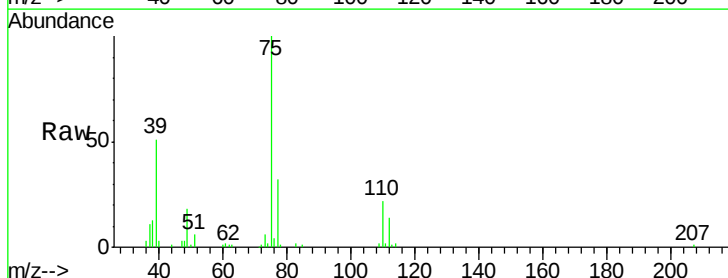
Manual Integrations  
APPROVED

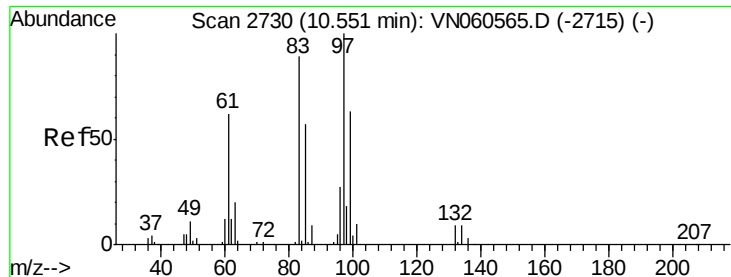
MMDadoda  
4/3/2020 12:06:26 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.678 ug/l  
RT: 9.82 min Scan# 2503  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Tgt Ion: 75 Resp: 74777  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.4 38.0  
39 50.5 40.2 60.4





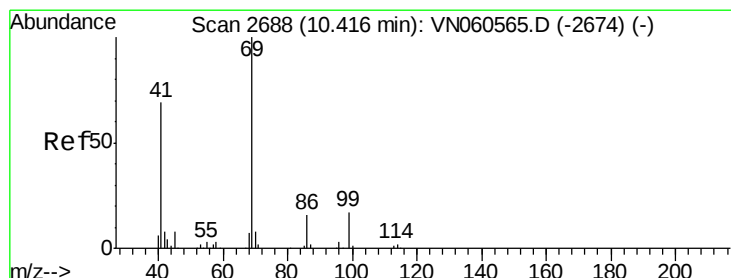
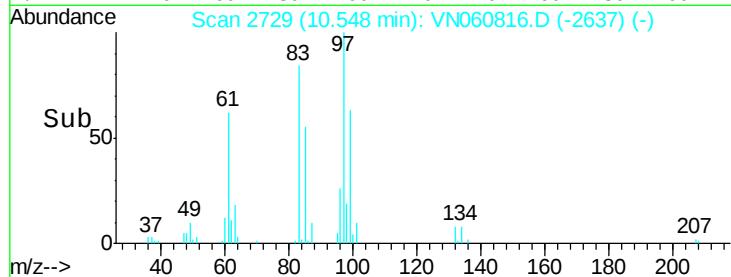
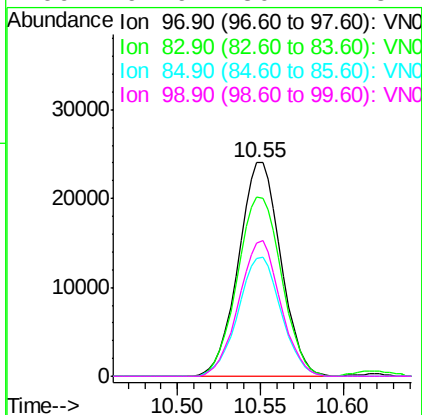
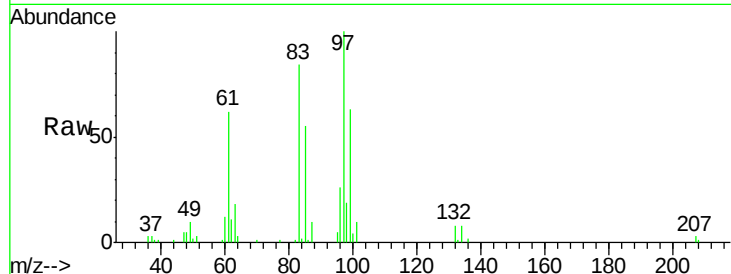
#55  
 1,1,2-Trichloroethane  
 Concen: 21.231 ug/l  
 RT: 10.55 min Scan# 2729  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 42701 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.7  | 71.3  | 106.9 |
| 85       | 55.3  | 45.2  | 67.8  |
| 99       | 62.6  | 50.1  | 75.1  |

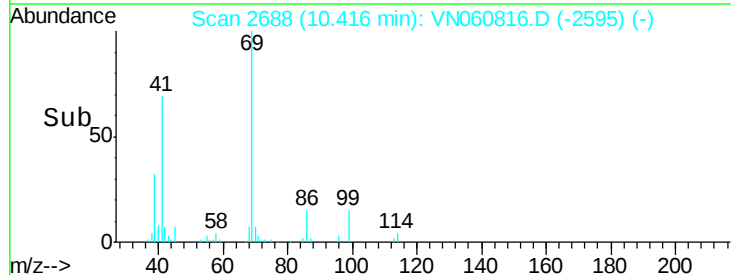
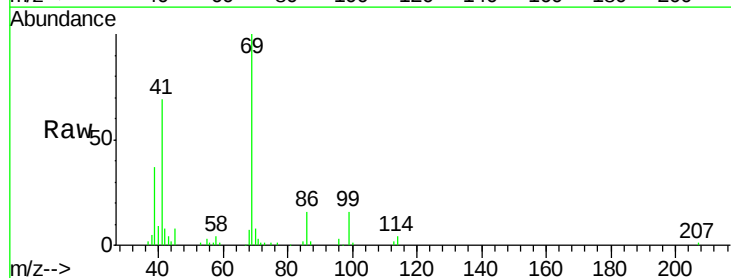
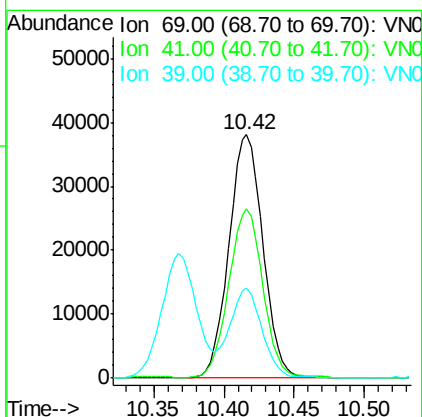
Manual Integrations  
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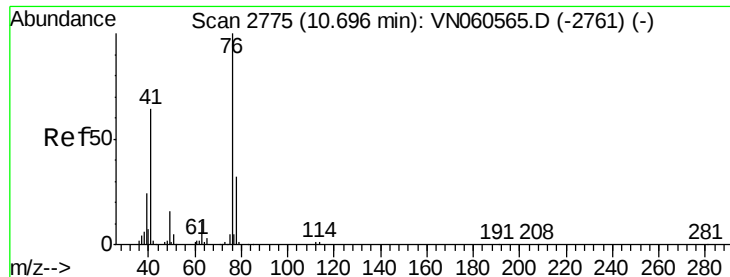
MMDadoda  
 4/3/2020 12:06:26 PM



#56  
 Ethyl methacrylate  
 Concen: 20.508 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 64315 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 70.1  | 55.4  | 83.2  |
| 39       | 35.6  | 29.4  | 44.0  |





#57

1,3-Dichloropropane

Concen: 21.250 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion: 76 Resp: 74168

Ion Ratio Lower Upper

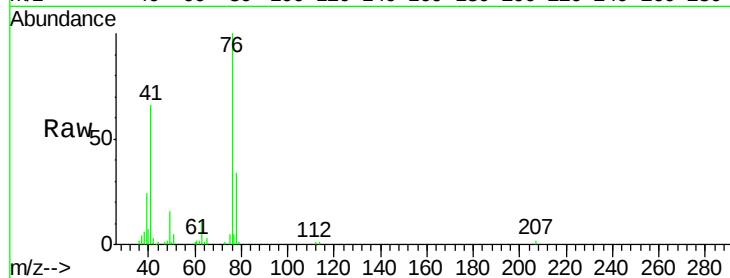
76 100

78 32.2 25.8 38.6

Manual Integrations  
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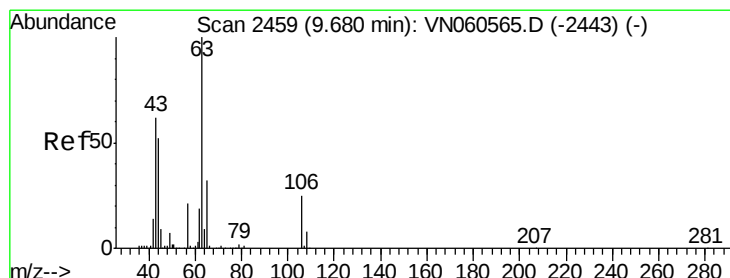
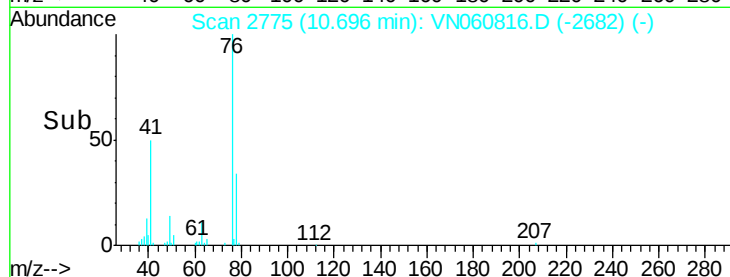
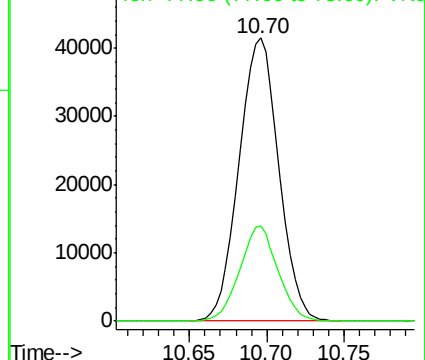
MMDadoda

4/3/2020 12:06:26 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.127 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060816.D

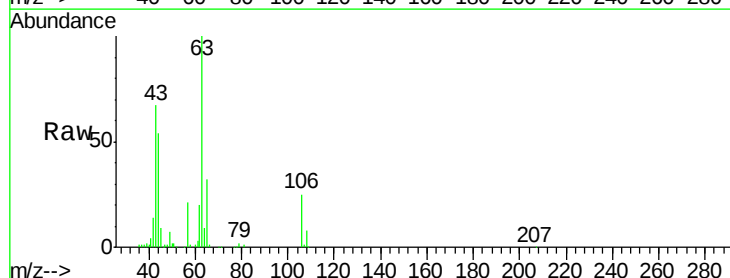
Acq: 2 Apr 2020 12:22

Tgt Ion: 63 Resp: 138919

Ion Ratio Lower Upper

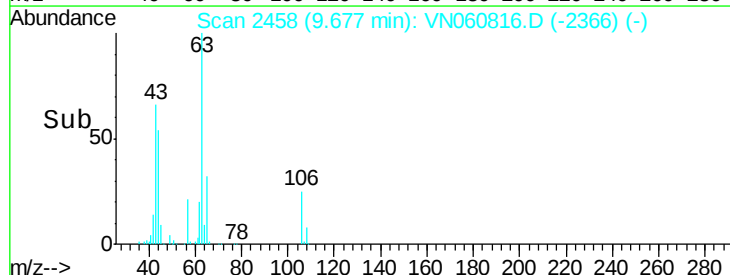
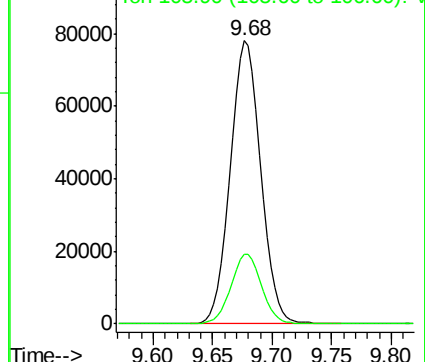
63 100

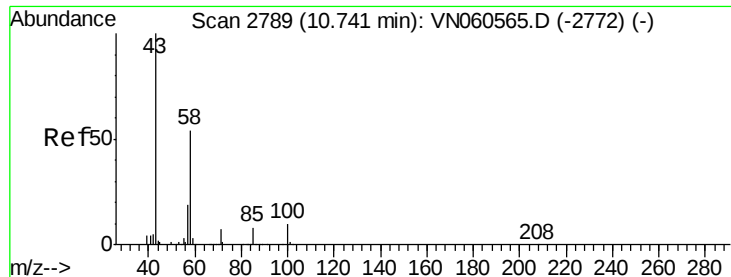
106 24.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





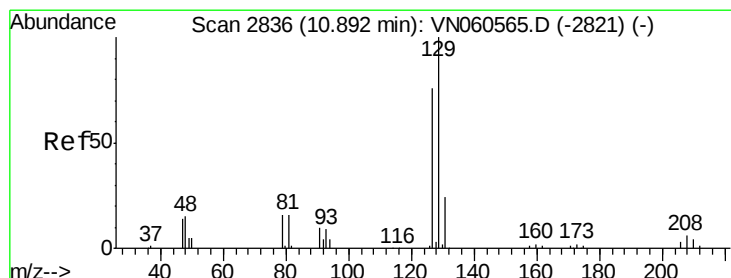
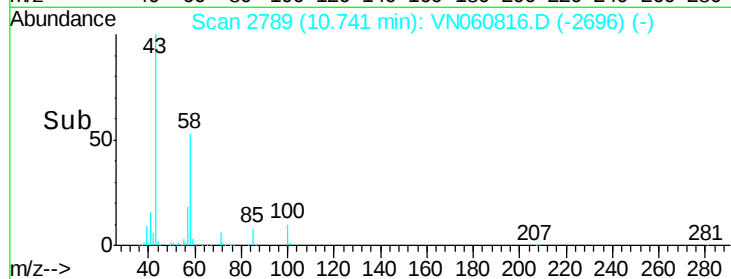
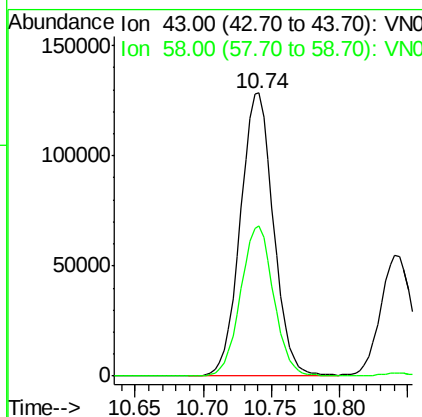
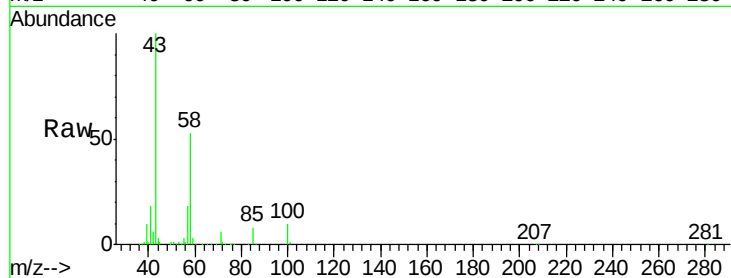
#59  
2-Hexanone  
Concen: 103.685 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion   | 43 | Resp | 217187 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 52.8 | 26.7   |
| Upper     |    |      | 80.1   |

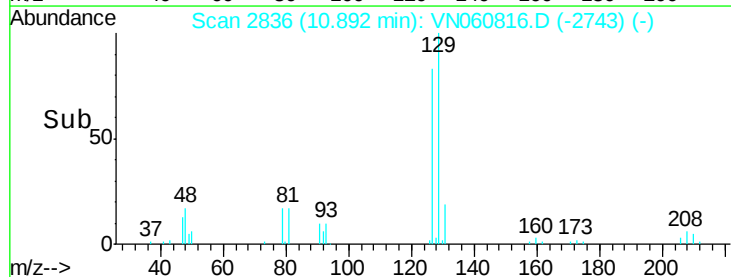
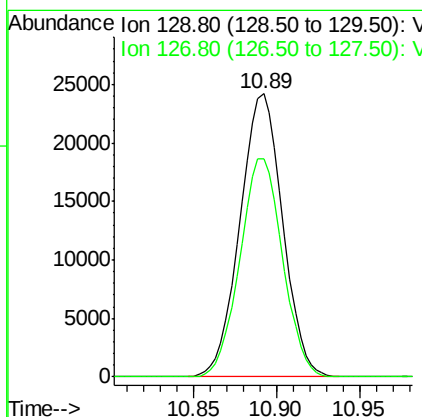
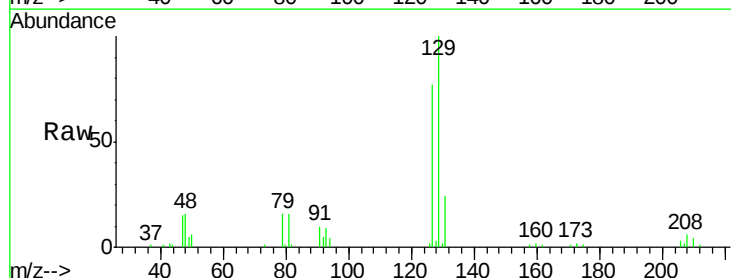
Manual Integrations  
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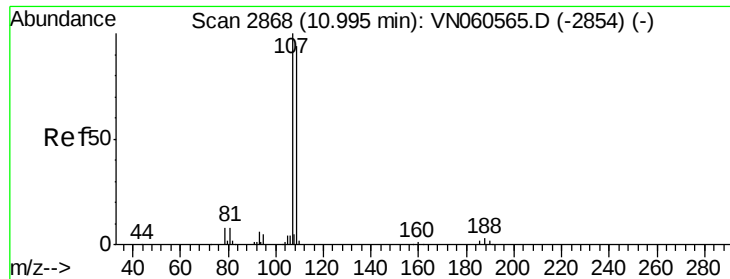
MMDadoda  
4/3/2020 12:06:26 PM



#60  
Dibromochloromethane  
Concen: 20.842 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion   | 129 | Resp | 43300 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 76.9 | 38.5  |
| Upper     |     |      | 115.5 |





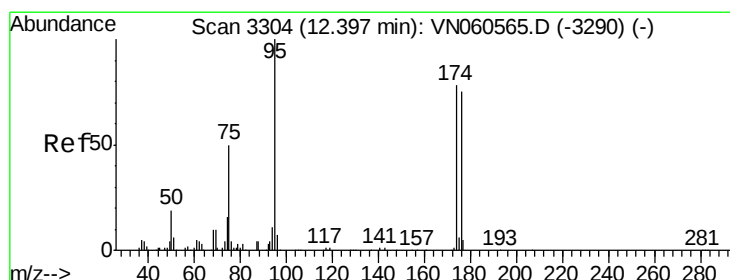
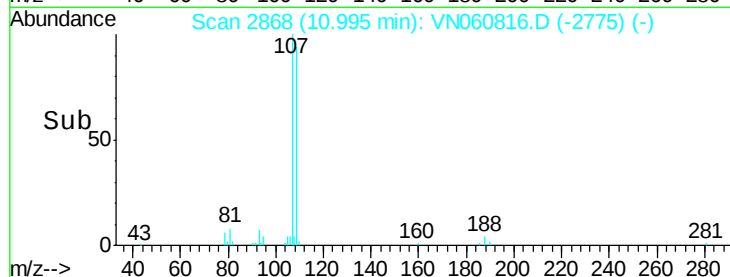
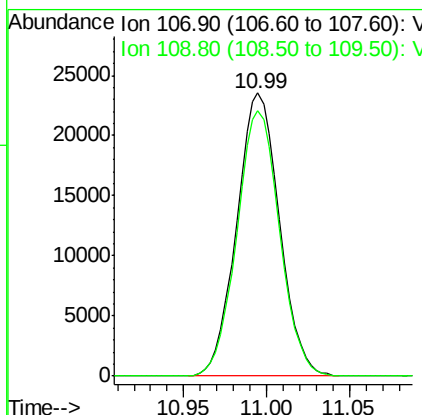
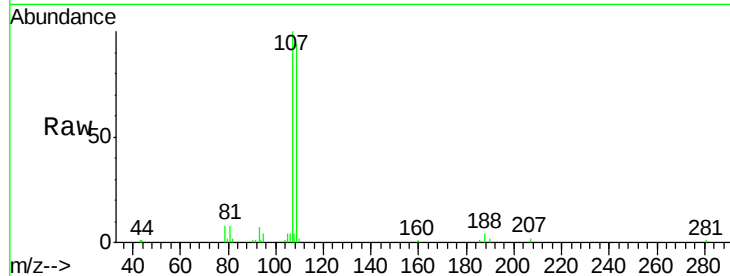
#61  
 1,2-Dibromoethane  
 Concen: 20.839 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0402WBSD01

Tot Ion:107 Resp: 42147  
 Ion Ratio Lower Upper  
 107 100  
 109 93.8 75.4 113.2

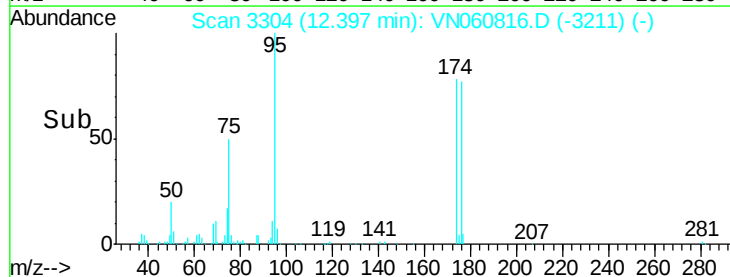
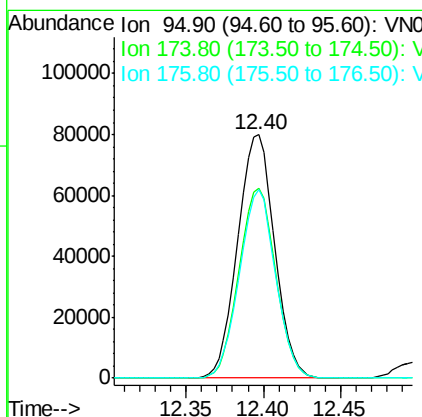
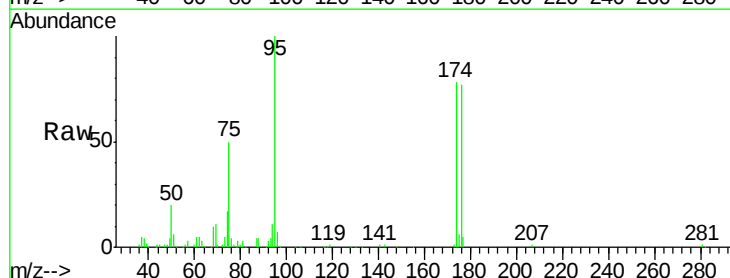
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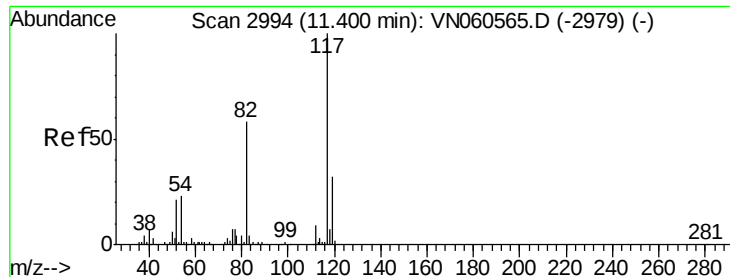
MMDadoda  
 4/3/2020 12:06:26 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.581 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Tgt Ion: 95 Resp: 132908  
 Ion Ratio Lower Upper  
 95 100  
 174 77.9 0.0 157.6  
 176 75.8 0.0 150.6





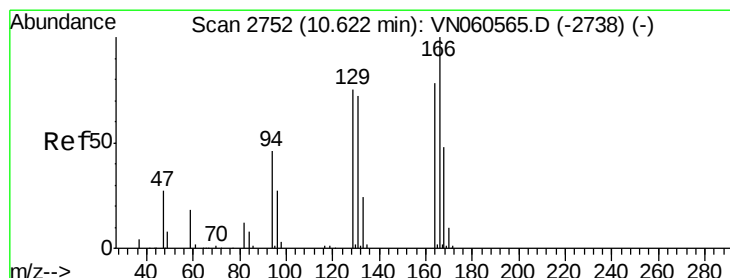
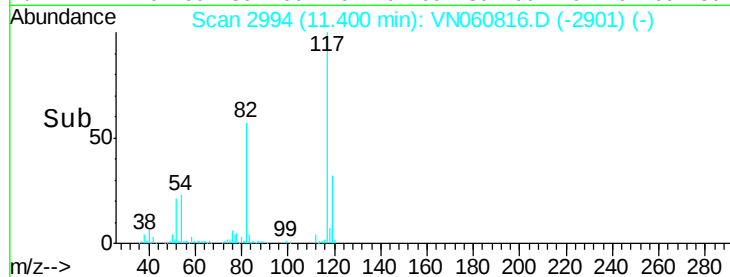
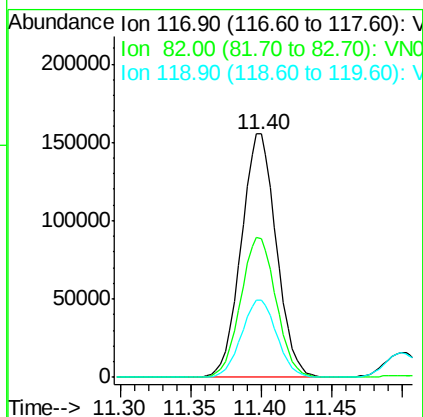
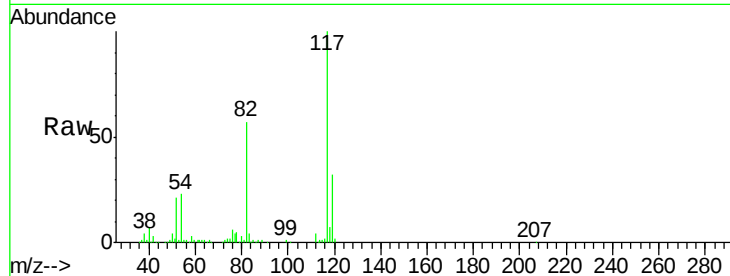
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.0  | 46.7  | 70.1  |
| 119     | 31.7  | 25.5  | 38.3  |

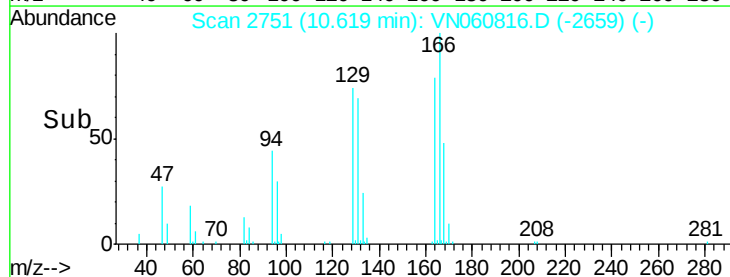
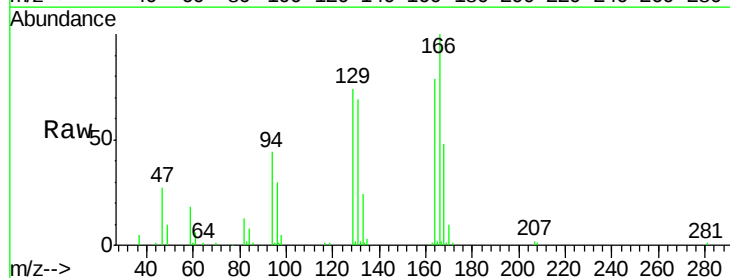
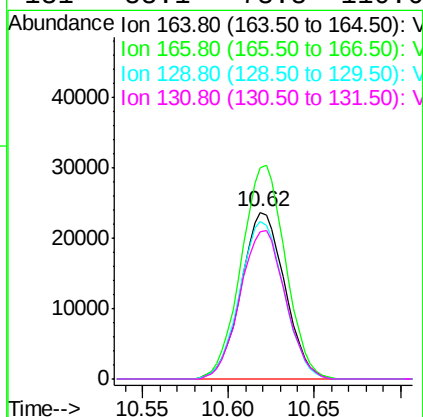
Manual Integrations  
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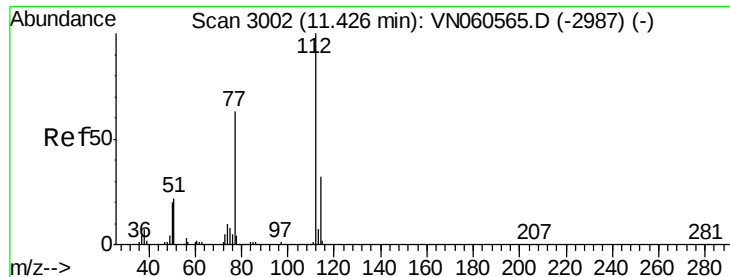
MMDadoda  
4/3/2020 12:06:26 PM



#64  
Tetrachloroethene  
Concen: 19.582 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.0 | 102.7 | 154.1 |
| 129     | 94.6  | 77.2  | 115.8 |
| 131     | 88.1  | 73.8  | 110.6 |





#65

Chlorobenzene

Concen: 20.155 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampled :

VN0402WBSD01

Tot Ion:112 Resp: 108237

Ion Ratio Lower Upper

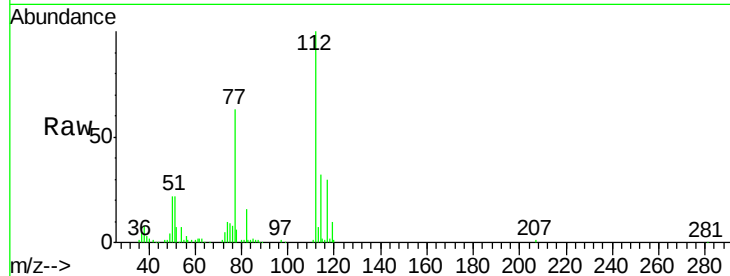
112 100

114 31.8 25.8 38.6

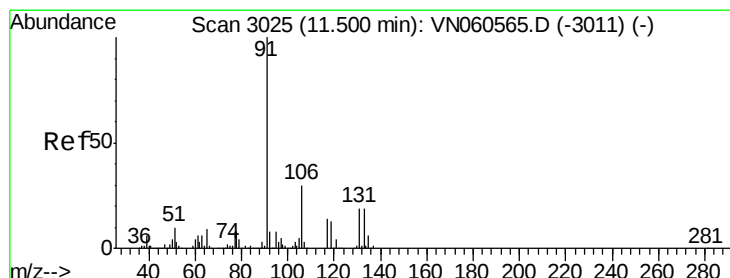
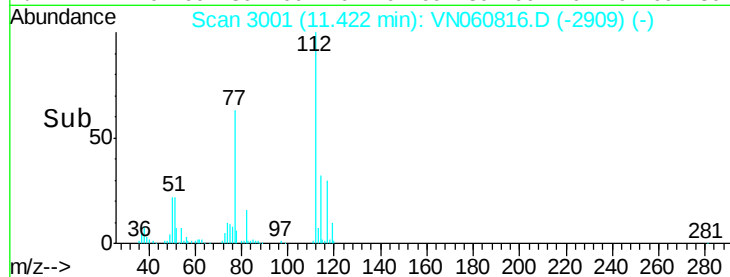
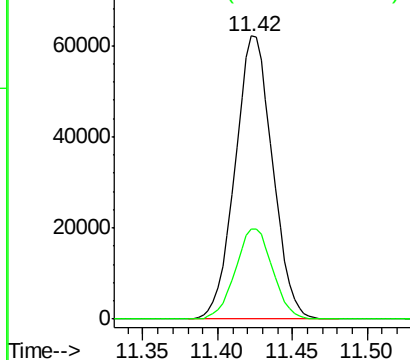
Manual Integrations  
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Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.829 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

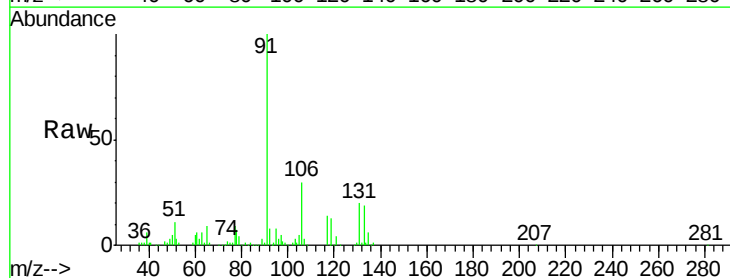
Tgt Ion:131 Resp: 40501

Ion Ratio Lower Upper

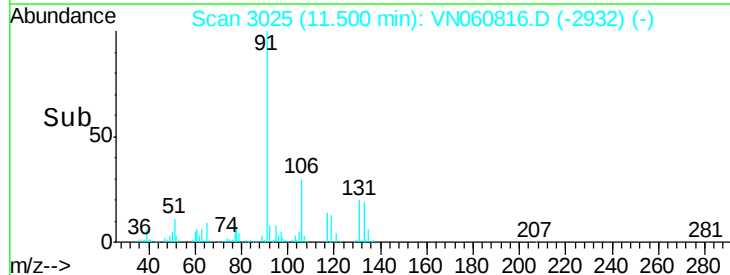
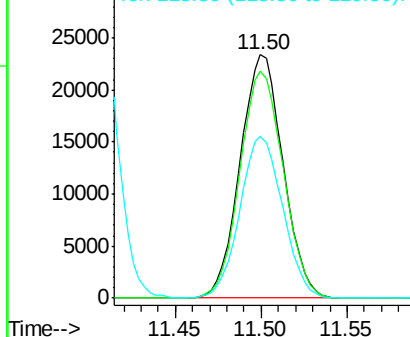
131 100

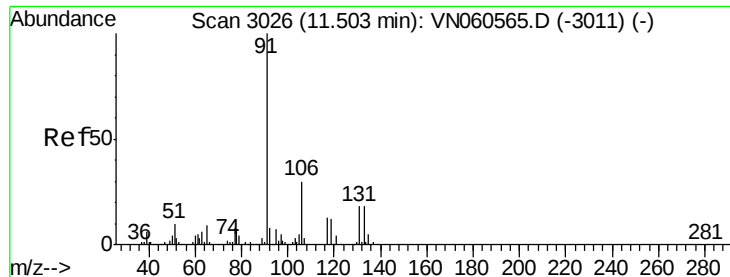
133 94.3 48.9 146.8

119 66.3 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: 20.298 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampled :

VN0402WBSD01

Tot Ion: 91 Resp: 202716

Ion Ratio Lower Upper

91 100

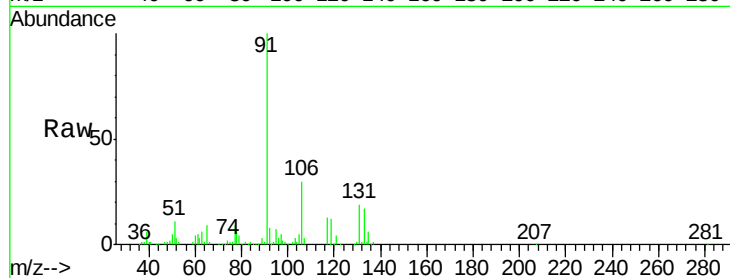
106 30.2 24.2 36.2

Manual Integrations

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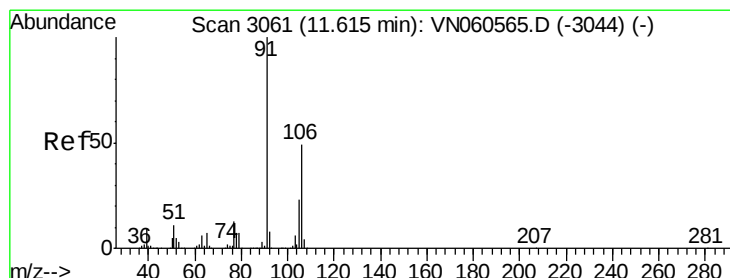
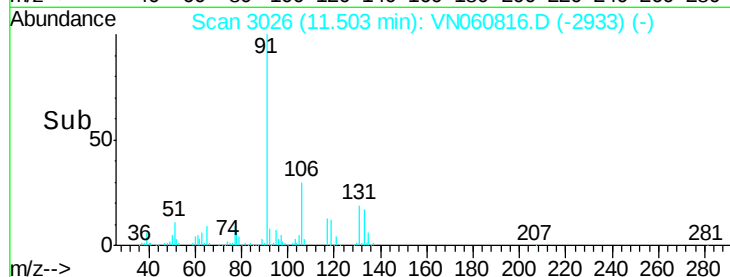
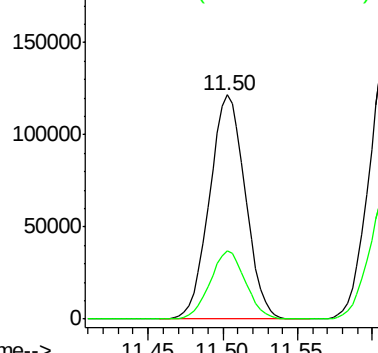
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.078 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060816.D

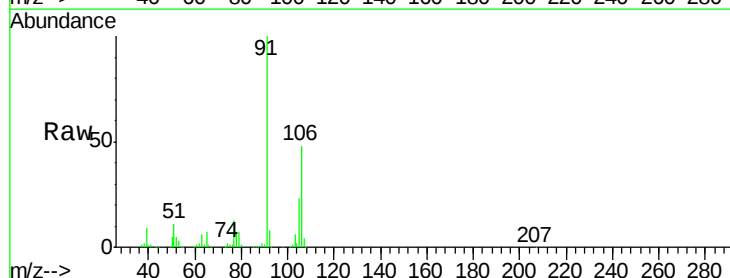
Acq: 2 Apr 2020 12:22

Tgt Ion: 106 Resp: 148737

Ion Ratio Lower Upper

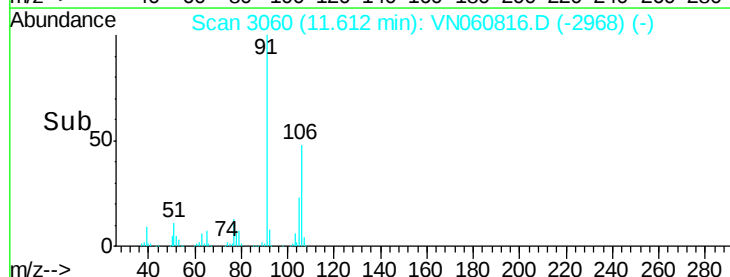
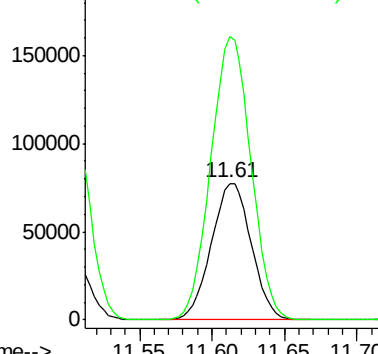
106 100

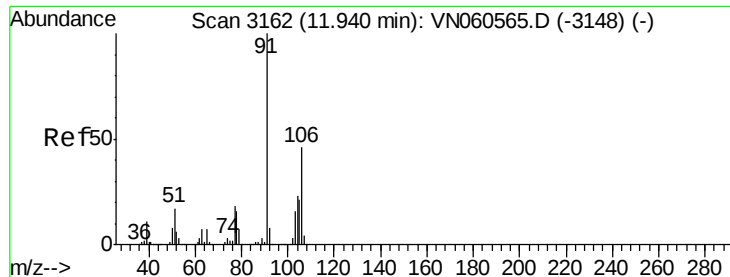
91 208.2 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





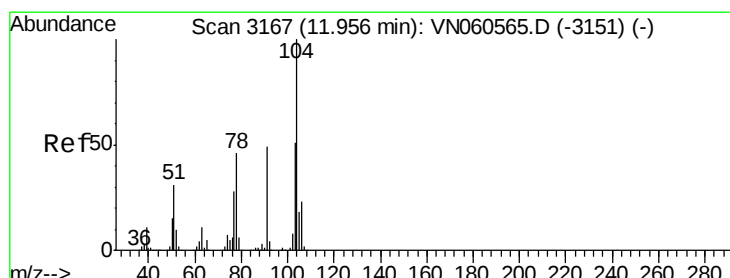
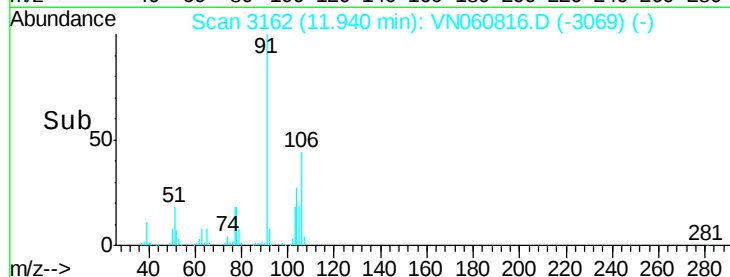
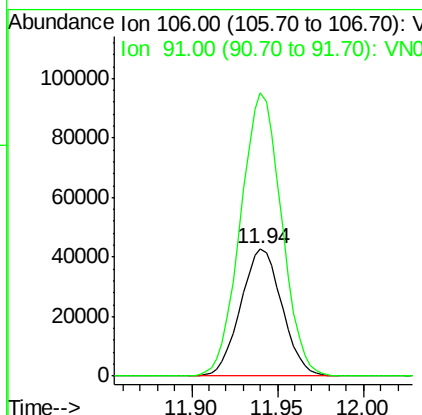
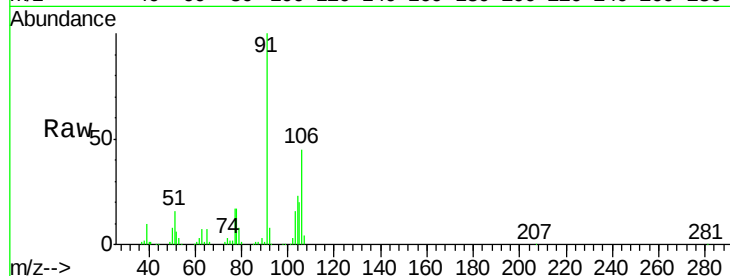
#69  
o-Xylene  
Concen: 20.113 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleID :  
VN0402WBSD01

Tot Ion:106 Resp: 71255  
Ion Ratio Lower Upper  
106 100  
91 220.9 109.5 328.4

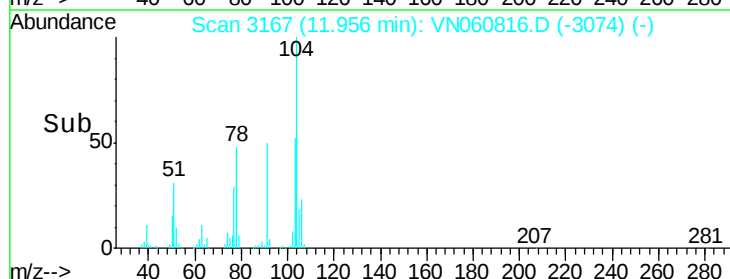
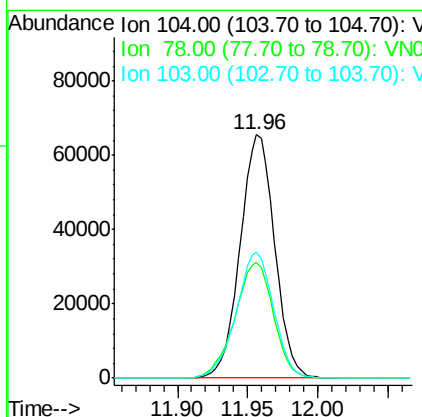
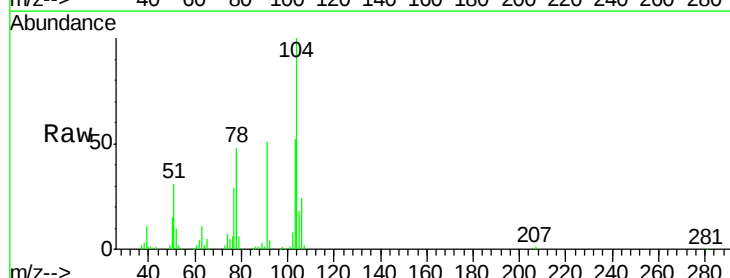
Manual Integrations  
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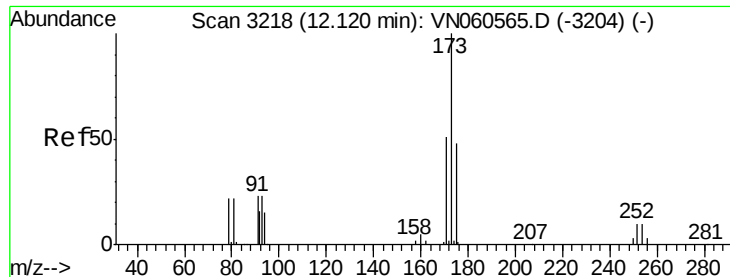
MMDadoda  
4/3/2020 12:06:26 PM



#70  
Styrene  
Concen: 19.437 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Tgt Ion:104 Resp: 112623  
Ion Ratio Lower Upper  
104 100  
78 52.9 41.2 61.8  
103 55.7 44.0 66.0





#71

Bromoform

Concen: 19.736 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion:173 Resp: 30194

Ion Ratio Lower Upper

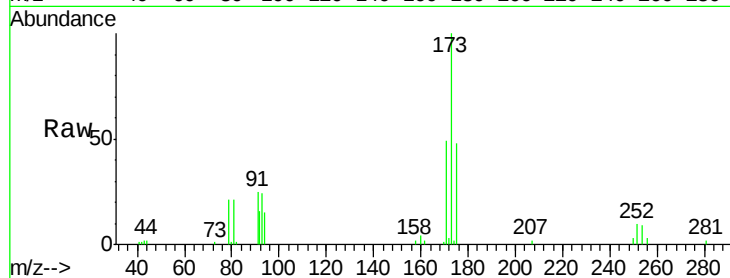
173 100

175 49.8 24.1 72.4

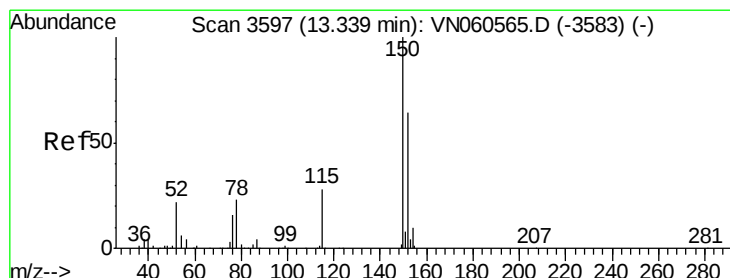
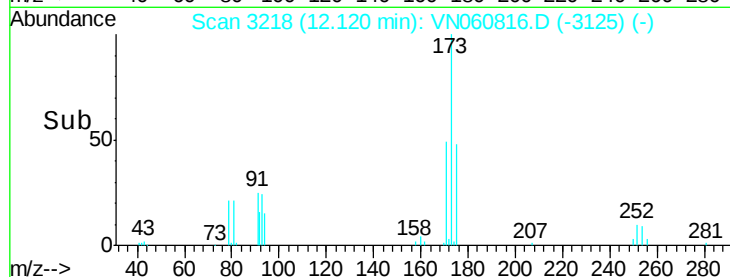
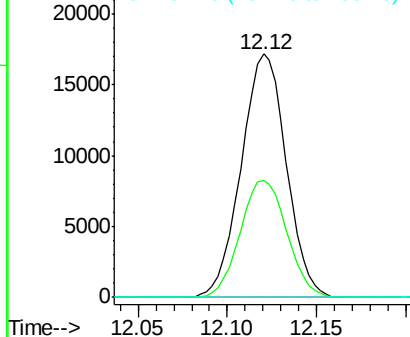
254 0.0 0.0 0.0

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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: VN060816.D

Acq: 2 Apr 2020 12:22

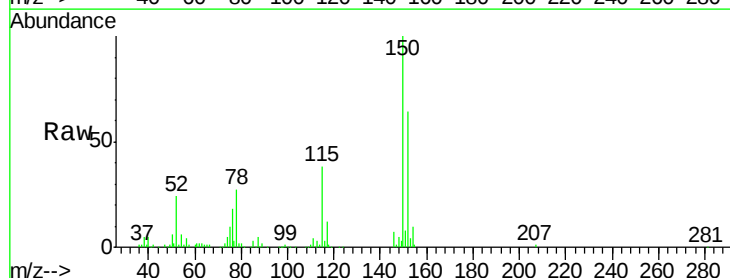
Tgt Ion:152 Resp: 126715

Ion Ratio Lower Upper

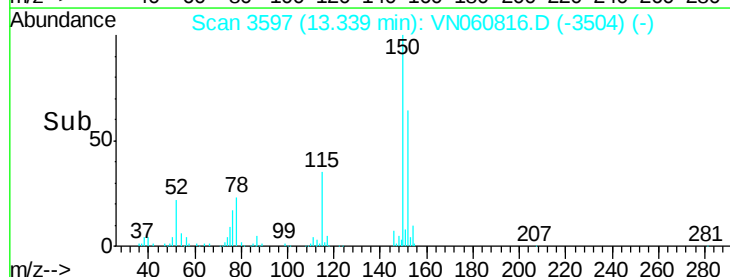
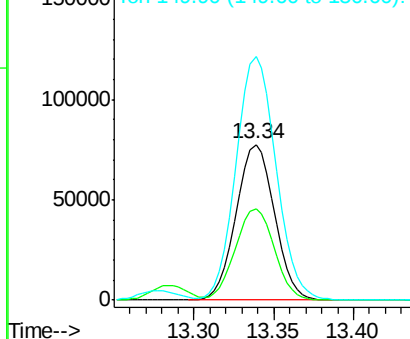
152 100

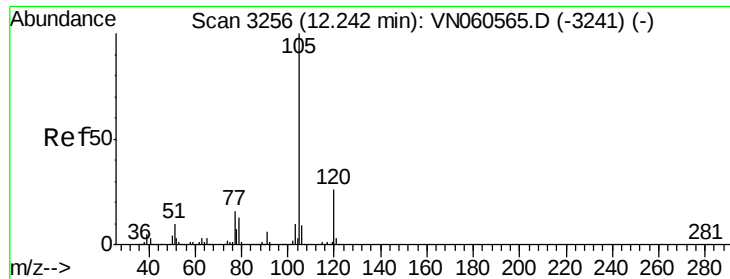
115 59.8 30.2 90.6

150 164.0 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: 20.160 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleID :

VN0402WBSD01

Tot Ion: 105 Resp: 191710

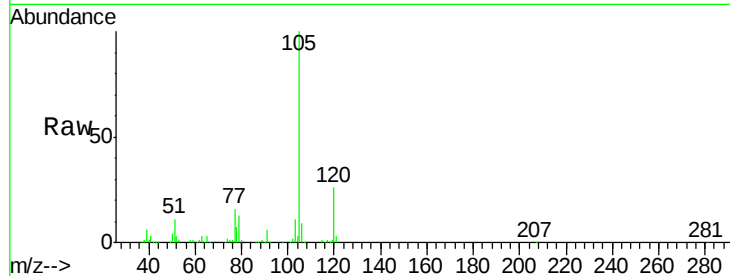
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1

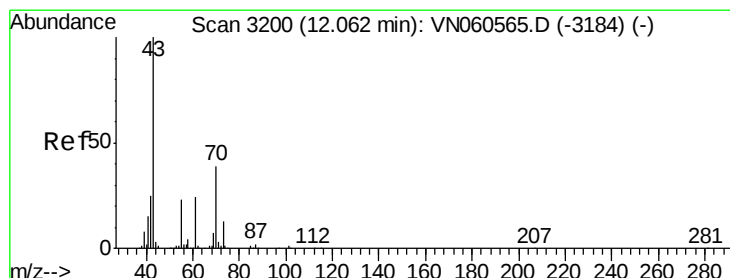
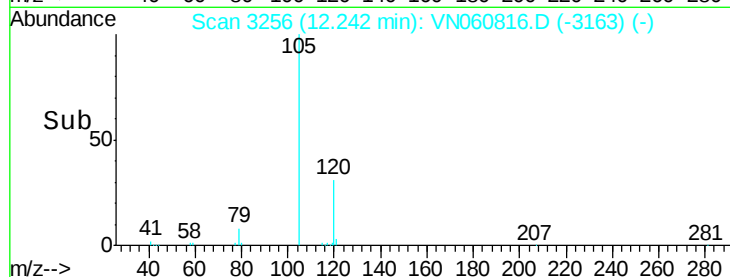
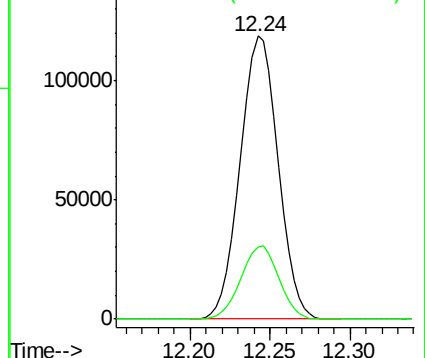
Manual Integrations  
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4/3/2020 12:06:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.913 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Tgt Ion: 43 Resp: 87504

Ion Ratio Lower Upper

43 100

70 39.3 31.1 46.7

55 23.9 18.6 27.8

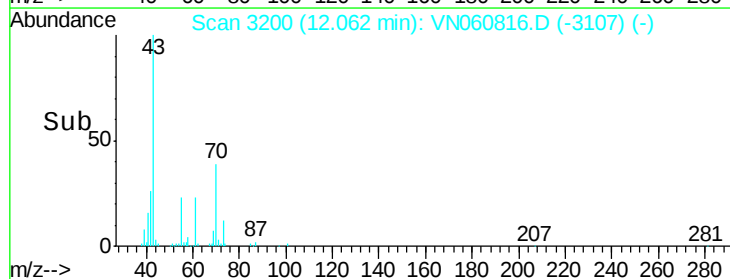
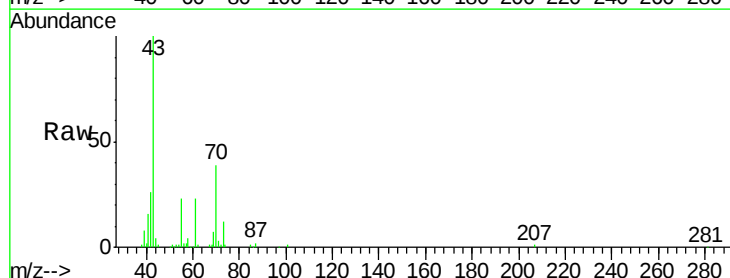
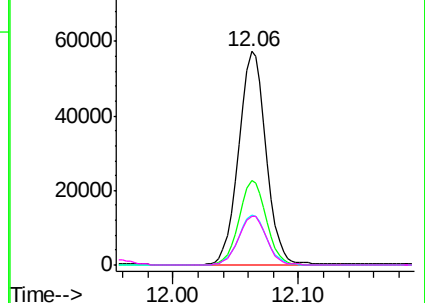
61 23.2 18.9 28.3

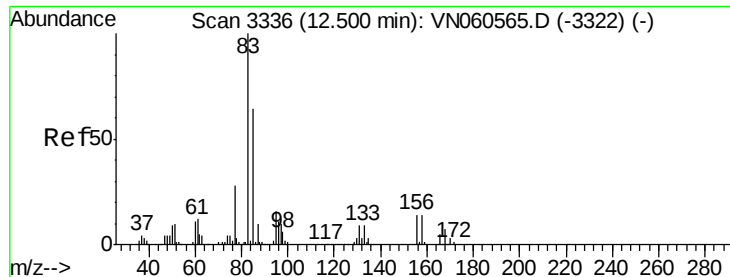
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.733 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

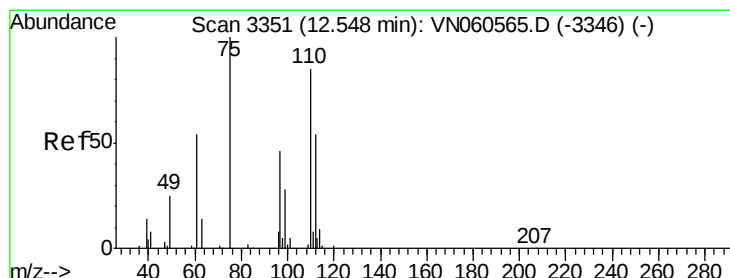
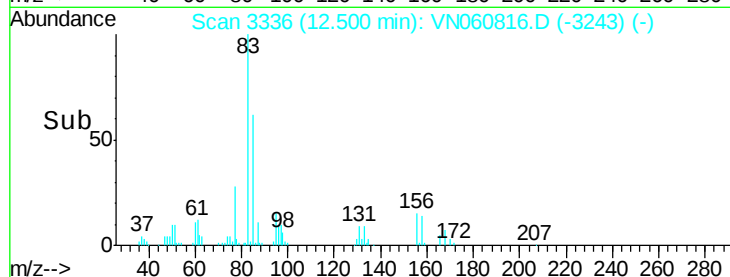
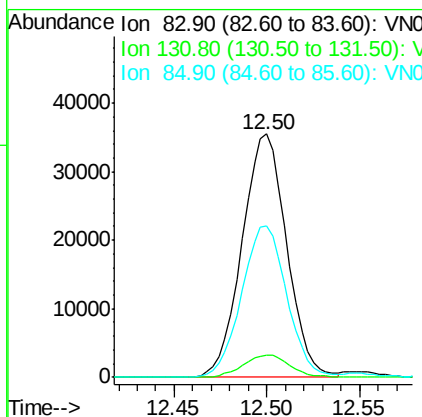
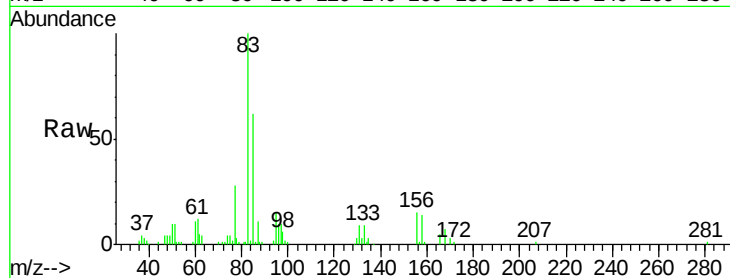
ClientSampleId :

VN0402WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 59623 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.6   | 4.9   | 14.7  |
| 85        | 63.1  | 32.5  | 97.4  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 19.704 ug/l m

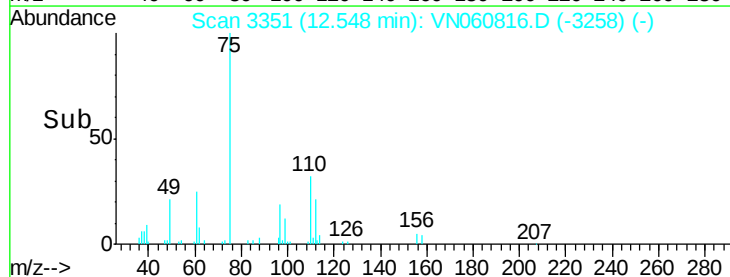
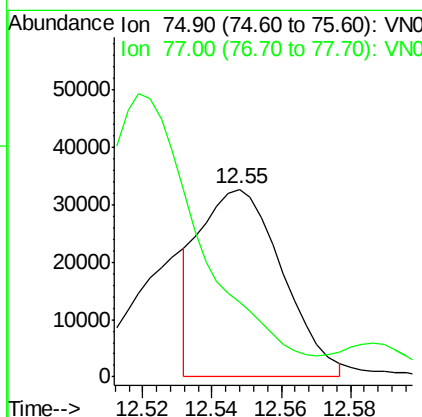
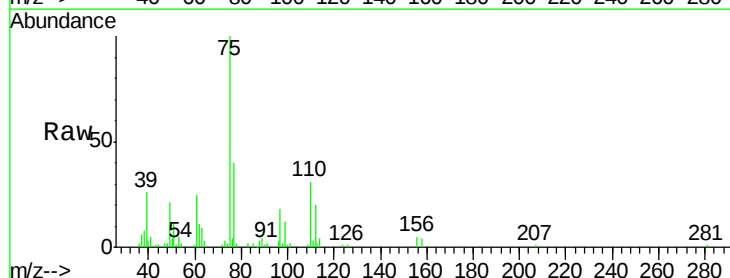
RT: 12.55 min Scan# 3351

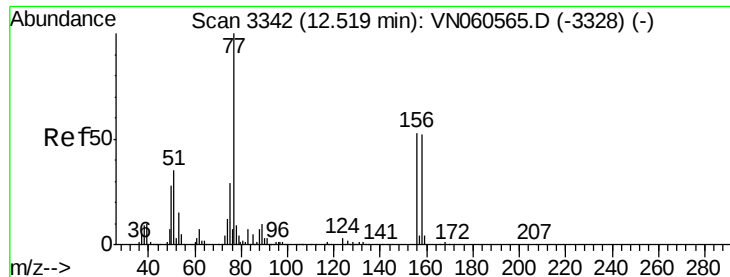
Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 53875 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 19.906 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampleId :

VN0402WBSD01

Tot Ion:156 Resp: 45613

Ion Ratio Lower Upper

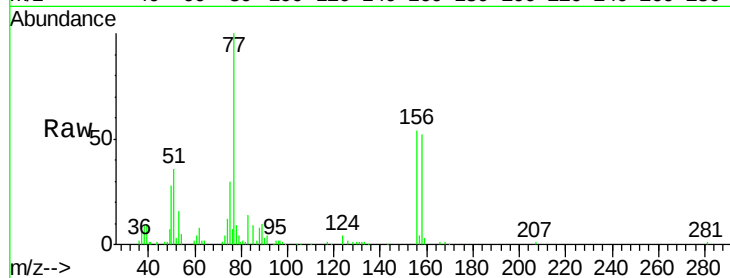
156 100

77 224.6 112.3 337.0

158 96.8 48.6 145.8

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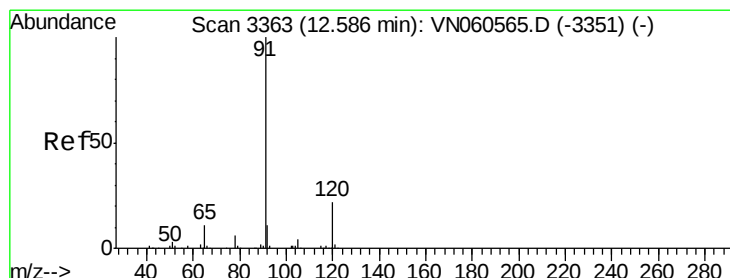
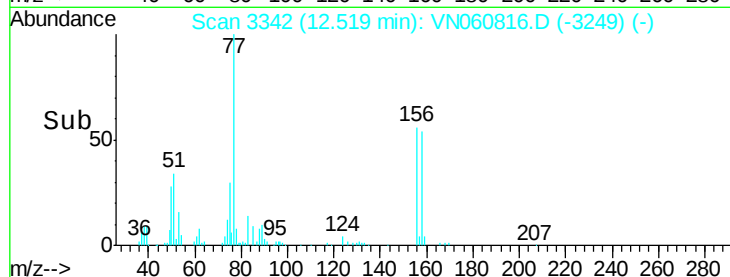
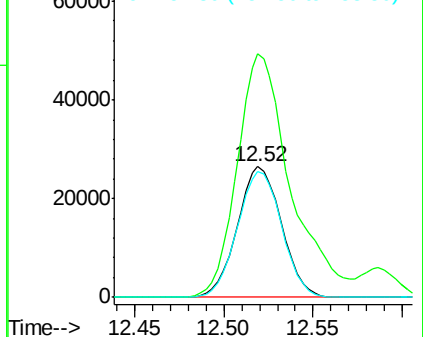
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.955 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060816.D

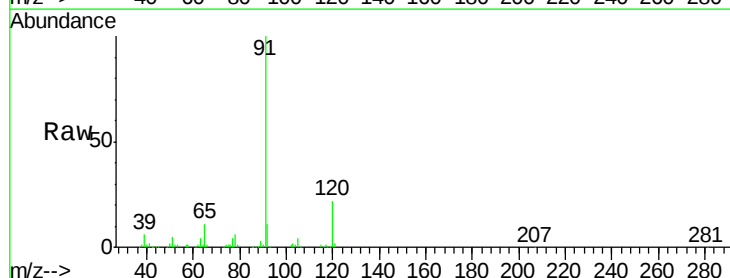
Acq: 2 Apr 2020 12:22

Tgt Ion: 91 Resp: 224187

Ion Ratio Lower Upper

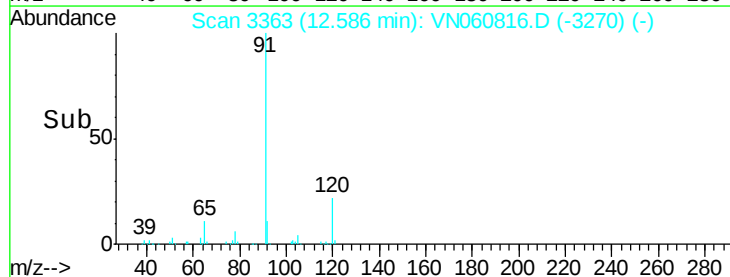
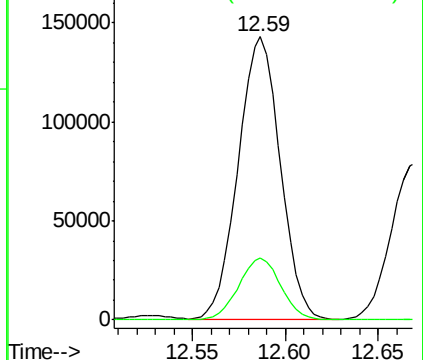
91 100

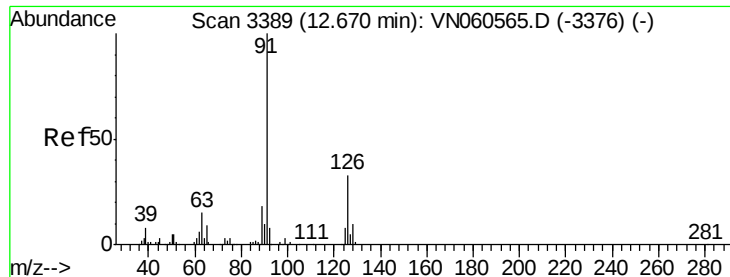
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.923 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

ClientSampled :

VN0402WBSD01

Tot Ion: 91 Resp: 133736

Ion Ratio Lower Upper

91 100

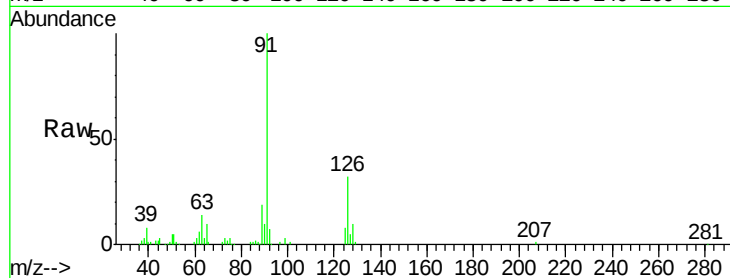
126 32.1 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060816.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060816.D (-3296) (-)

150000

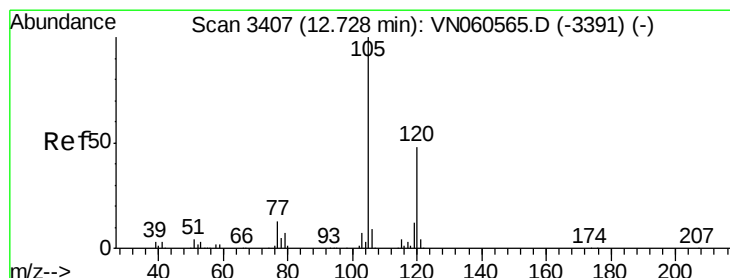
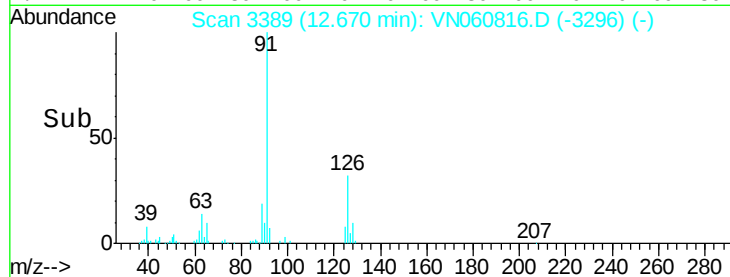
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.054 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060816.D

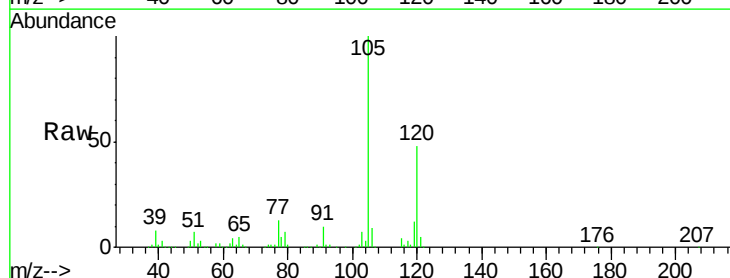
Acq: 2 Apr 2020 12:22

Tgt Ion: 105 Resp: 161833

Ion Ratio Lower Upper

105 100

120 47.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060816.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060816.D (-3314) (-)

120000

100000

80000

60000

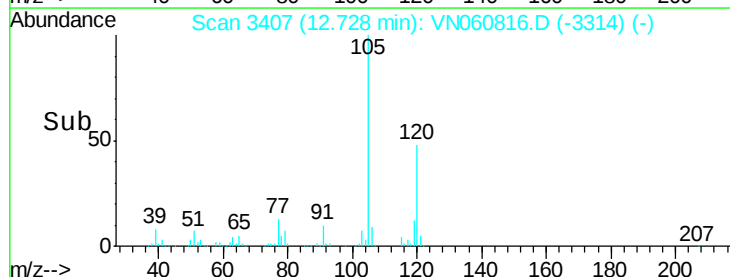
40000

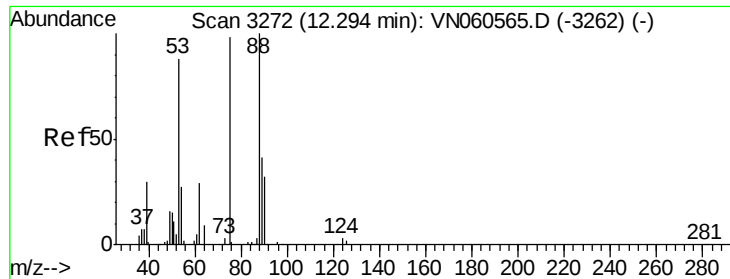
20000

0

12.65 12.70 12.75 12.80

Time-->





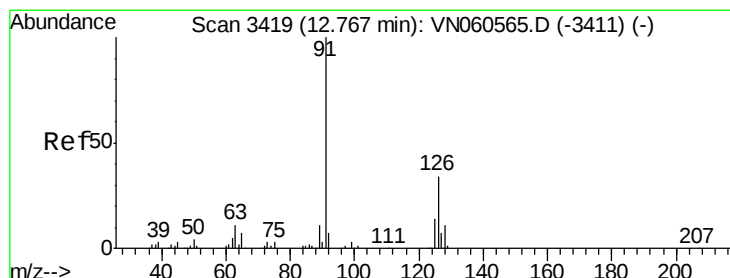
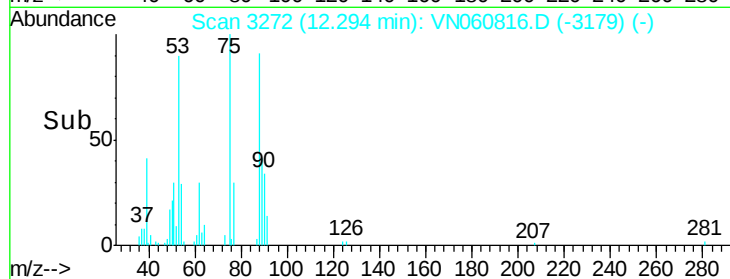
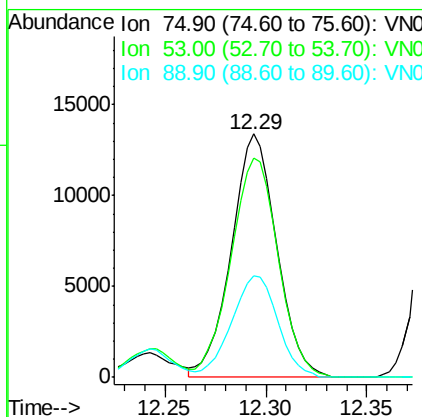
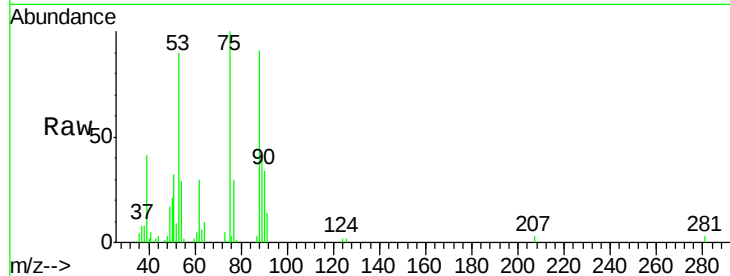
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.856 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 93.9  | 73.0  | 109.4 |
| 89      | 42.5  | 34.8  | 52.2  |

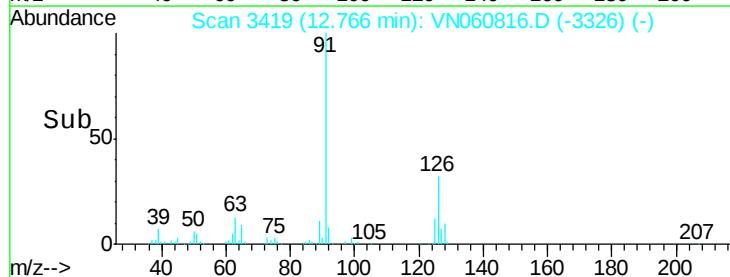
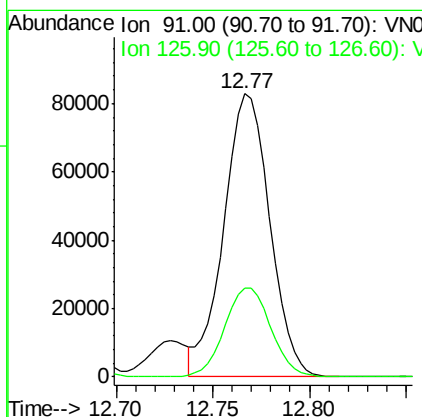
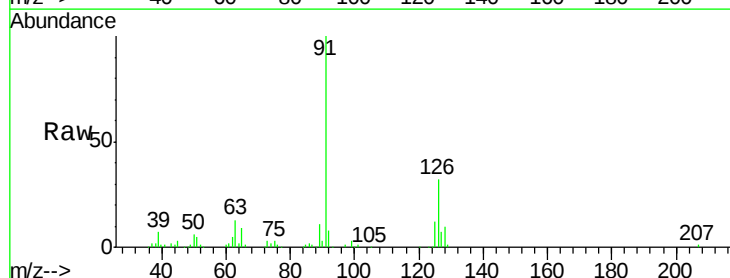
Manual Integrations  
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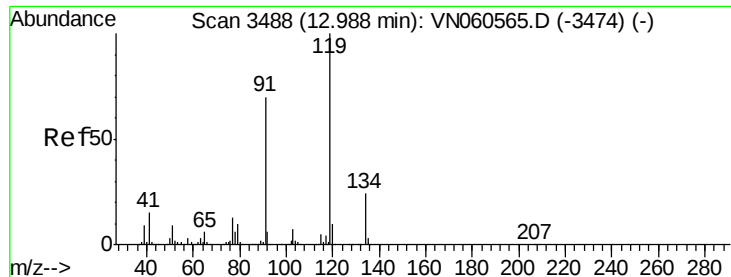
MMDadoda  
4/3/2020 12:06:26 PM



#82  
4-Chlorotoluene  
Concen: 20.016 ug/l  
RT: 12.77 min Scan# 3419  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.7  | 16.2  | 48.5  |





#83

tert-Butylbenzene

Concen: 20.340 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

Instrument :

MSVOA\_N

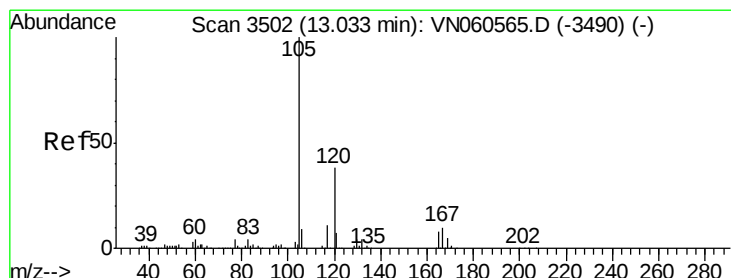
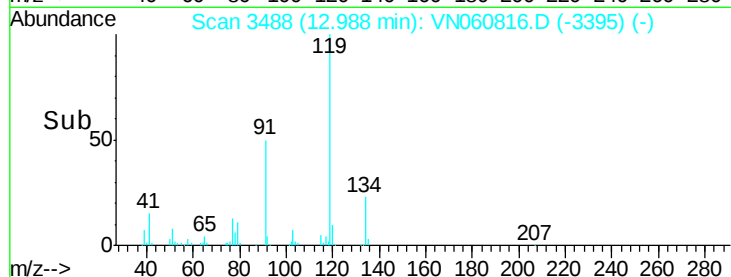
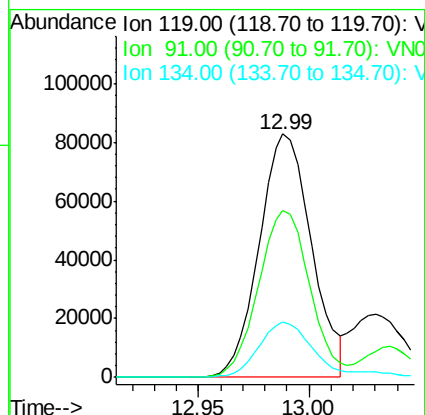
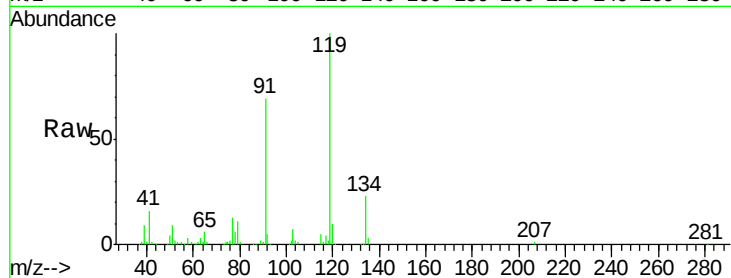
ClientSampled :

VN0402WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 136072 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 67.4  | 34.0  | 101.8  |
| 134       | 24.7  | 12.7  | 38.0   |

Manual Integrations  
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4/3/2020 12:06:26 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.249 ug/l

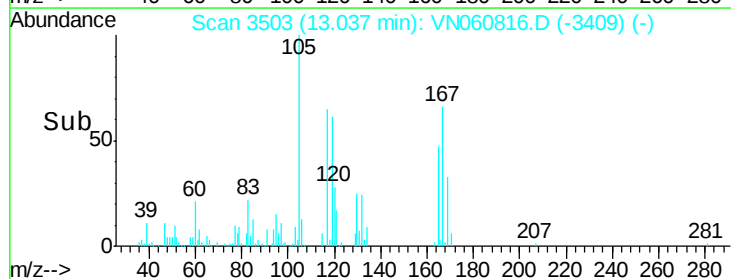
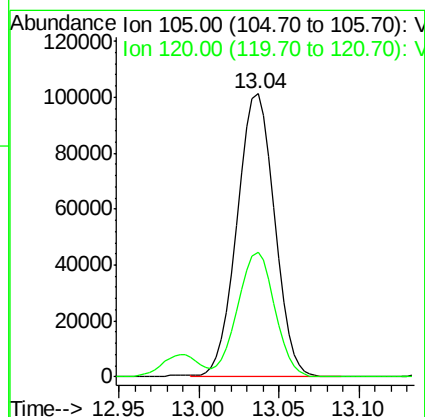
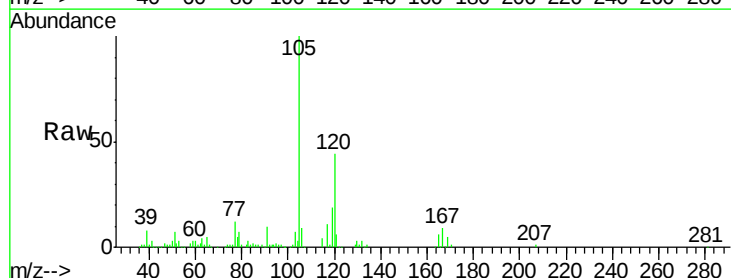
RT: 13.04 min Scan# 3503

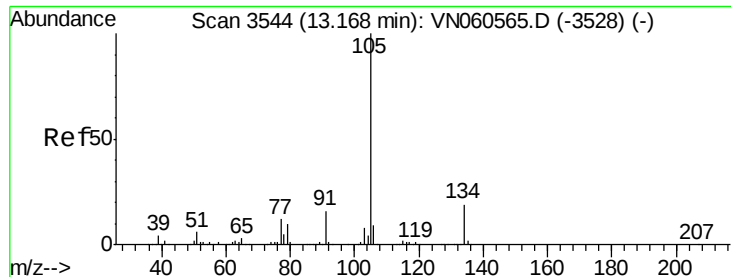
Delta R.T. 0.00 min

Lab File: VN060816.D

Acq: 2 Apr 2020 12:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 161659 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 43.6  | 22.1  | 66.5   |





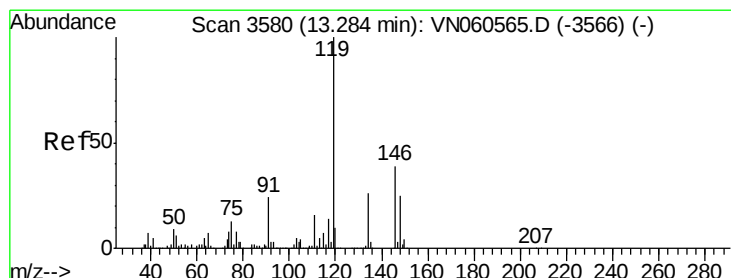
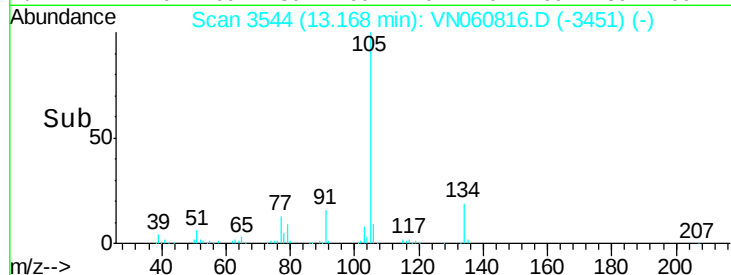
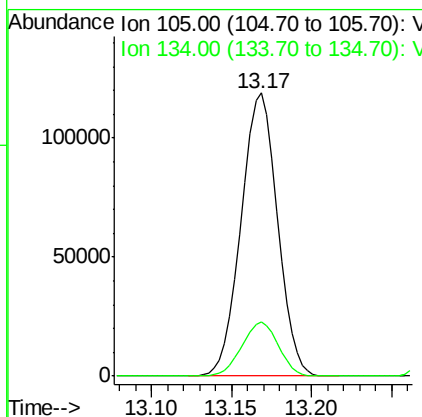
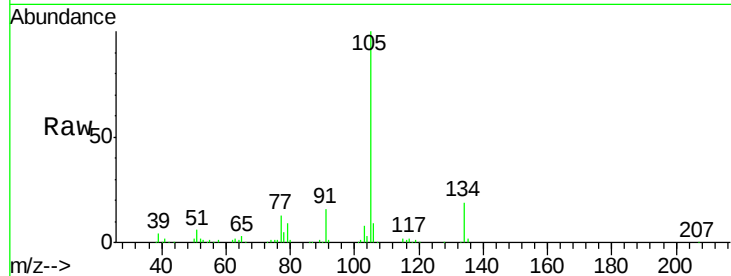
#85  
 sec-Butylbenzene  
 Concen: 20.468 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.2  | 9.6   | 28.8  |

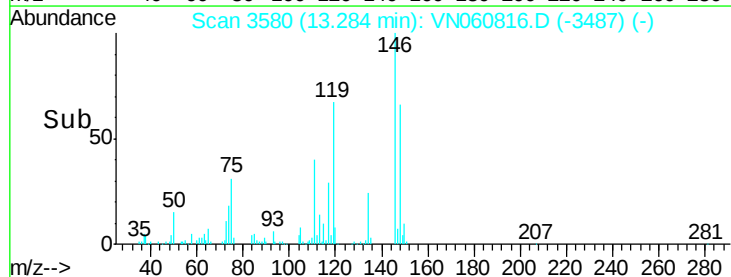
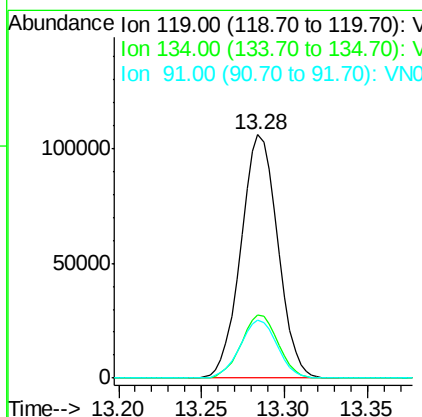
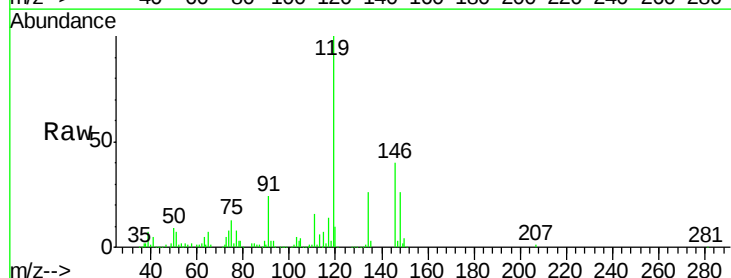
Manual Integrations  
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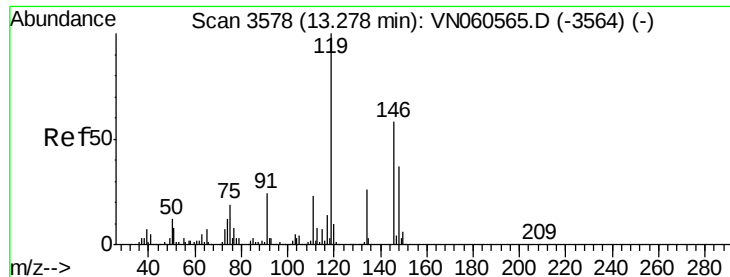
MMDadoda  
 4/3/2020 12:06:26 PM



#86  
 p-Isopropyltoluene  
 Concen: 20.237 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.1  | 13.0  | 39.0  |
| 91      | 24.3  | 12.0  | 36.0  |





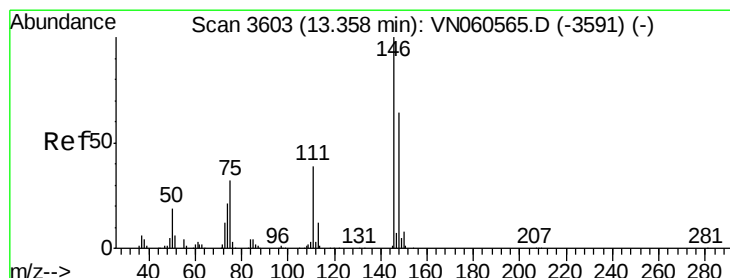
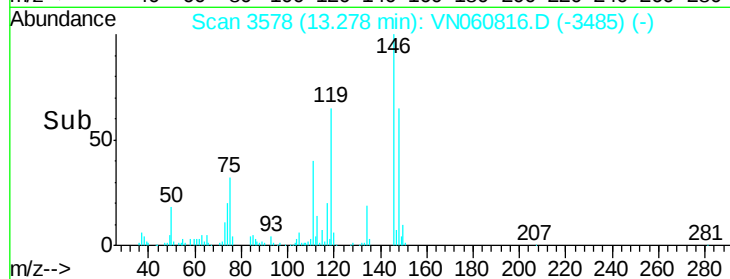
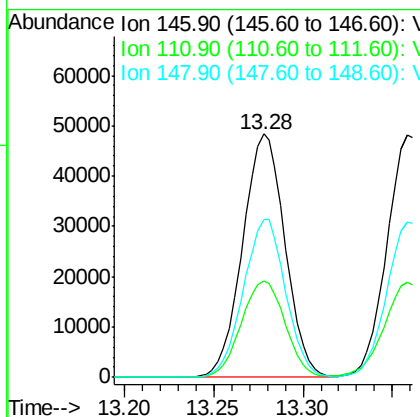
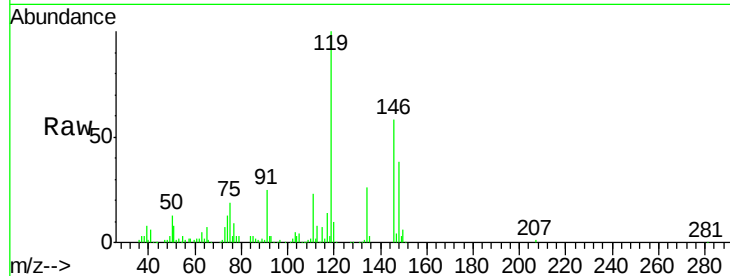
#87  
 1,3-Dichlorobenzene  
 Concen: 19.927 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.3  | 60.8  |
| 148     | 64.9  | 32.5  | 97.4  |

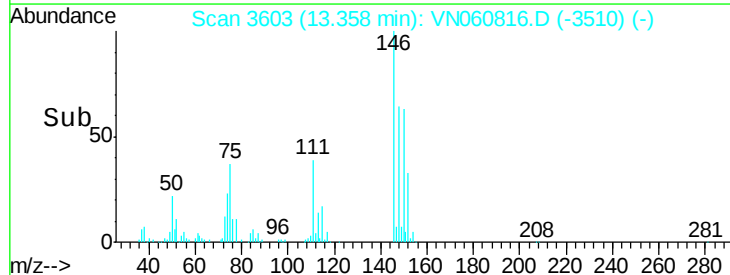
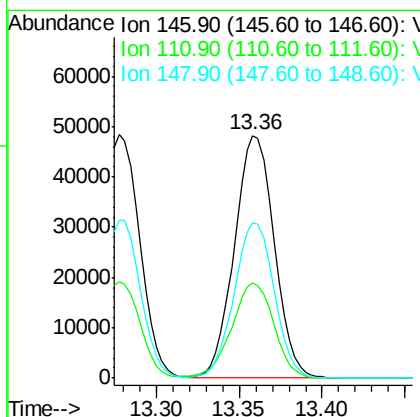
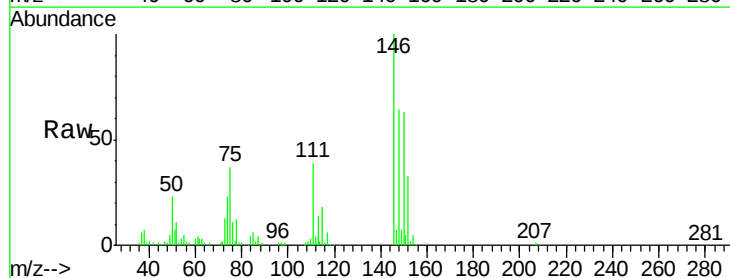
Manual Integrations  
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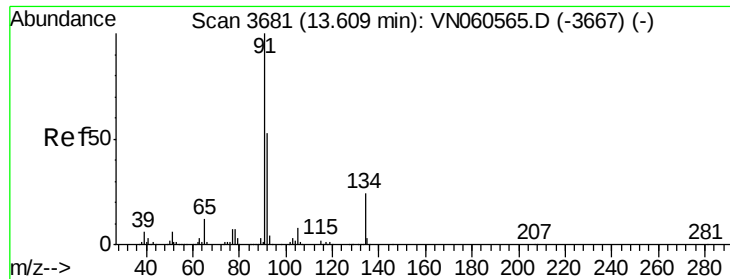
MMDadoda  
 4/3/2020 12:06:26 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.931 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 19.6  | 58.7  |
| 148     | 64.3  | 32.1  | 96.3  |





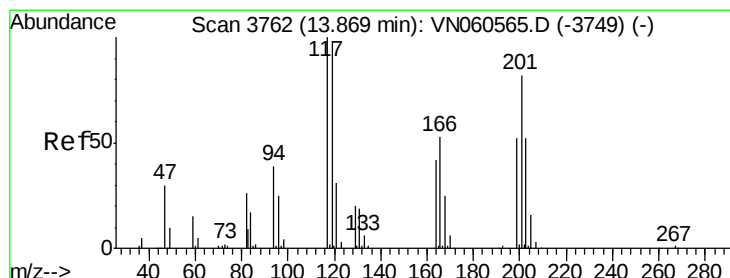
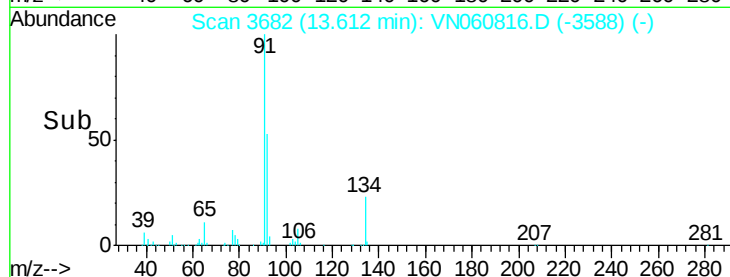
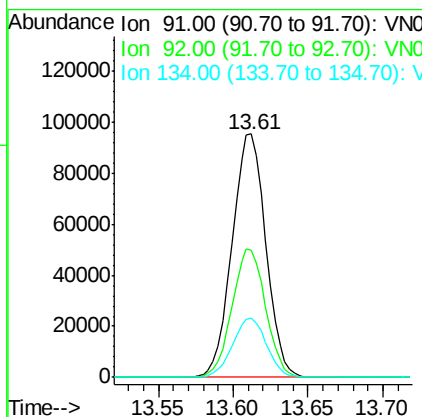
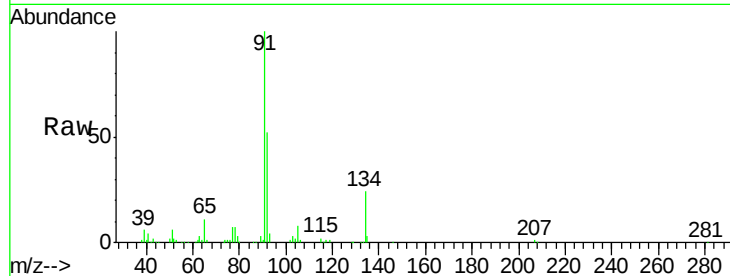
#89  
n-Butylbenzene  
Concen: 20.497 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.3  | 26.2  | 78.5  |
| 134     | 24.5  | 12.3  | 36.9  |

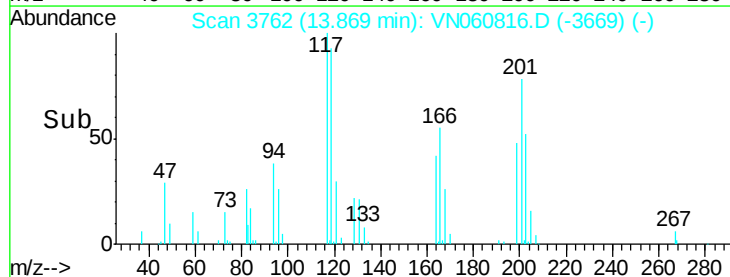
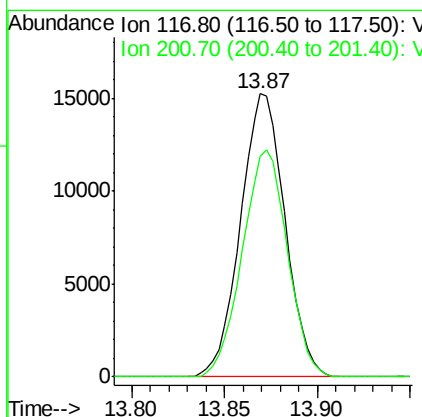
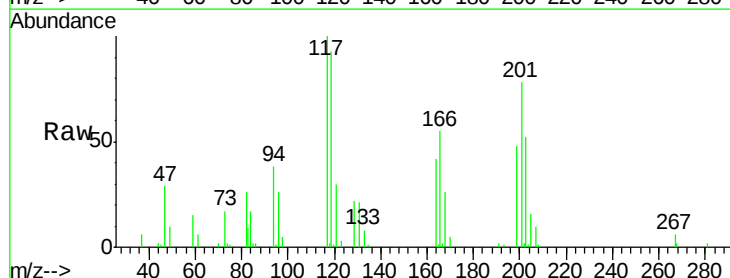
Manual Integrations  
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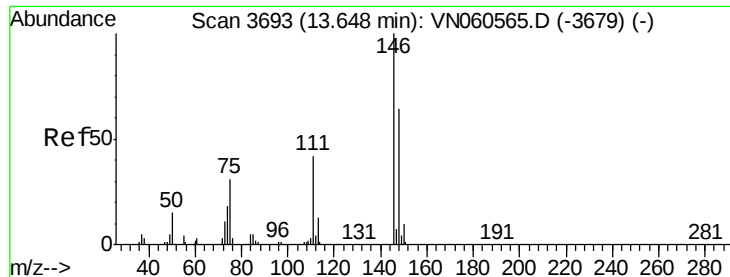
MMDadoda  
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#90  
Hexachloroethane  
Concen: 21.643 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.2  | 40.8  | 122.5 |





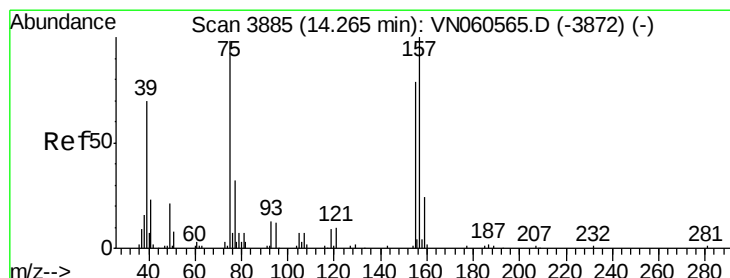
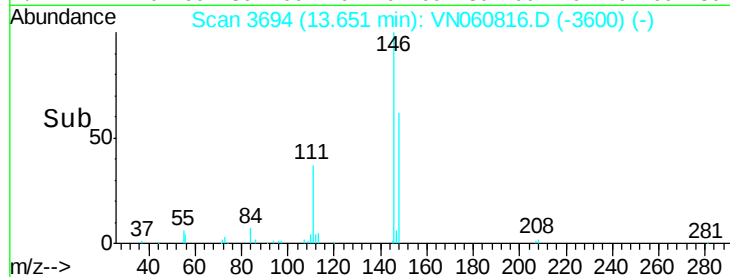
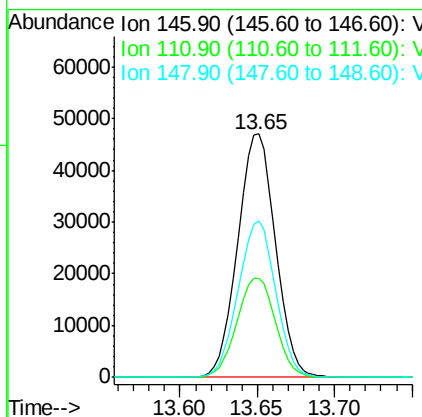
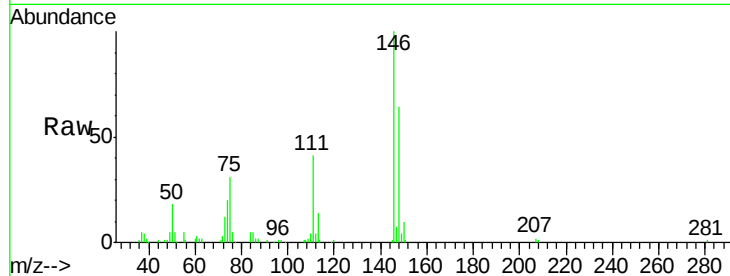
#91  
 1,2-Dichlorobenzene  
 Concen: 20.694 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 146   | Resp: | 79971 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 41.4  | 21.0  | 63.0  |
| 148      | 63.7  | 31.9  | 95.5  |

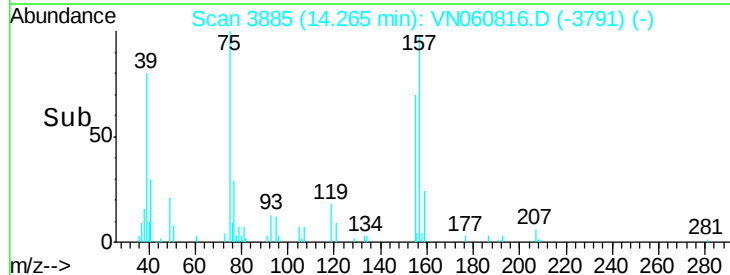
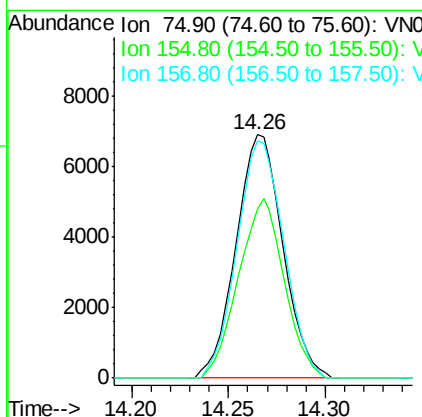
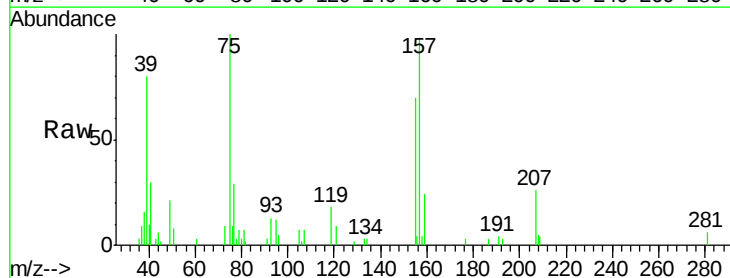
Manual Integrations  
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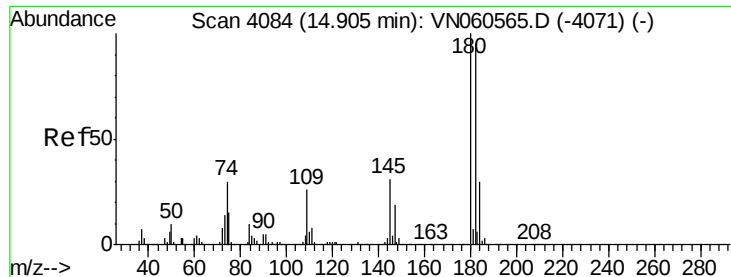
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.191 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11659 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 71.6  | 40.7  | 122.1 |
| 157      | 97.1  | 51.5  | 154.7 |





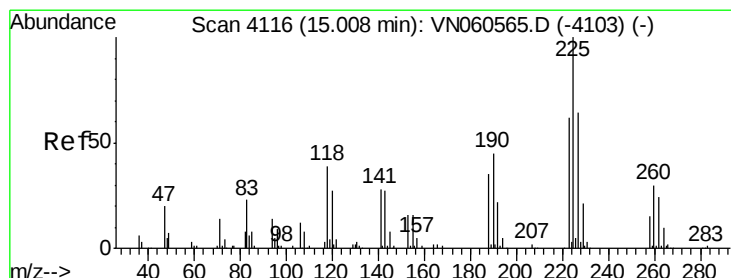
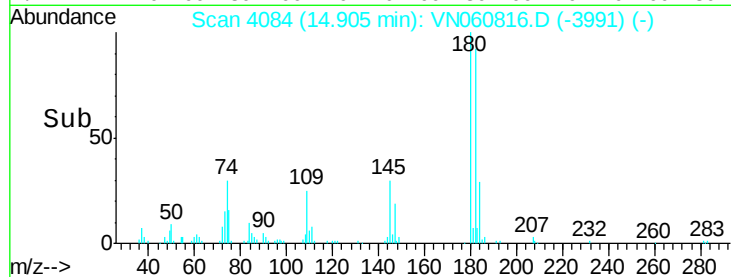
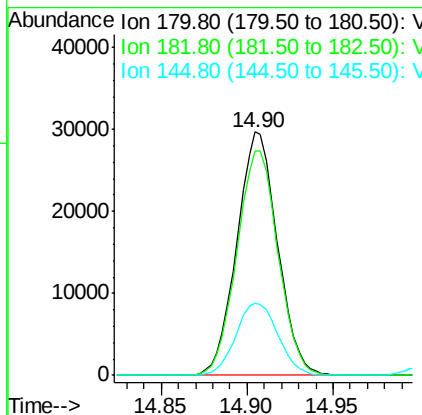
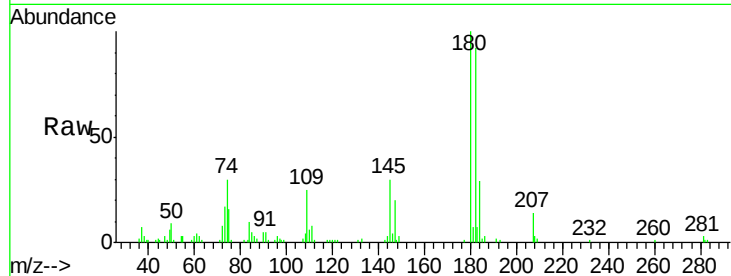
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.434 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0402WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 47.9  | 143.8 |
| 145     | 30.6  | 15.4  | 46.2  |

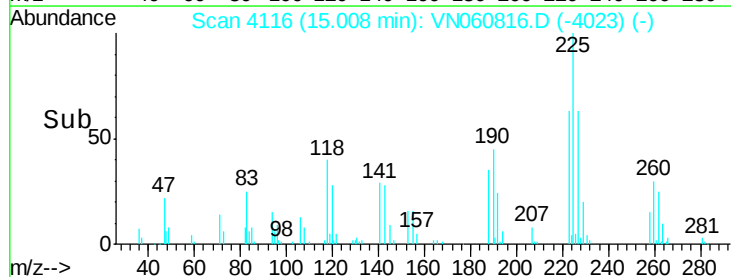
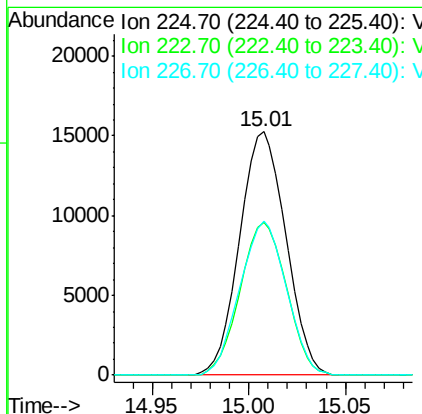
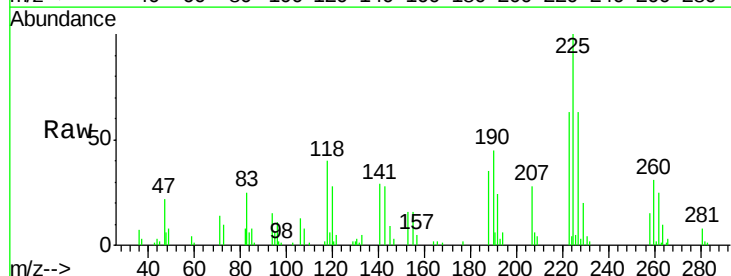
Manual Integrations  
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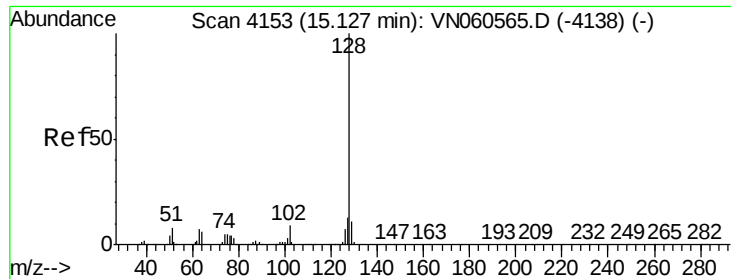
MMDadoda  
 4/3/2020 12:06:26 PM



#94  
 Hexachlorobutadiene  
 Concen: 21.857 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN060816.D  
 Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.8  | 31.6  | 95.0  |
| 227     | 63.4  | 32.3  | 96.8  |





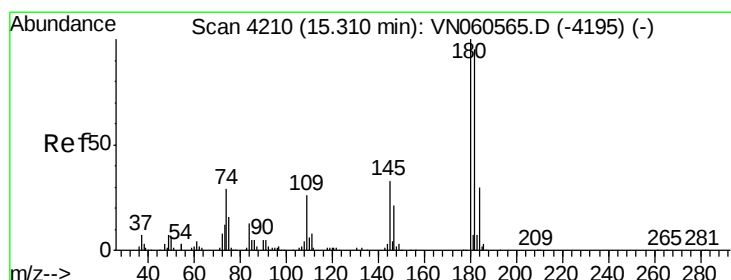
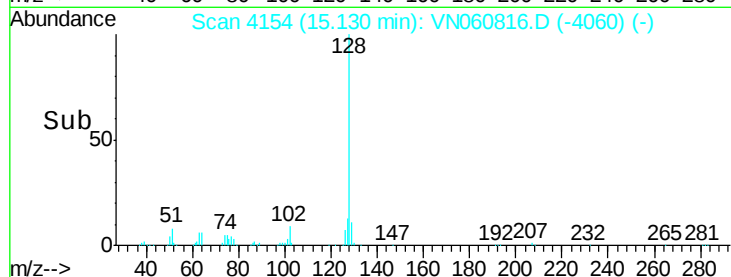
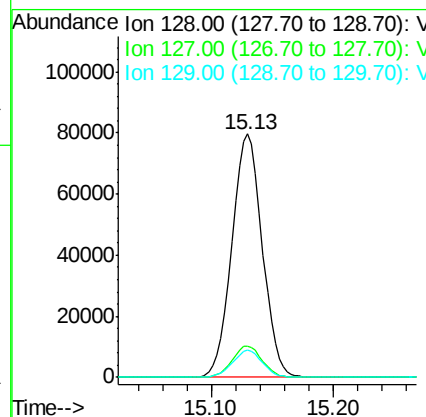
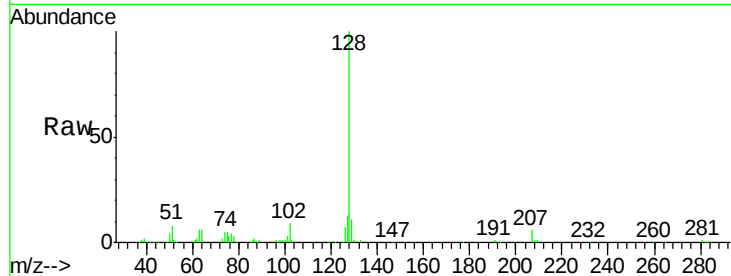
#95  
Naphthalene  
Concen: 19.384 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0402WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 138356 |       |       |
| 127     | 12.7  | 10.2   | 15.2  |       |
| 129     | 10.8  | 8.8    | 13.2  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.015 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. -0.00 min  
Lab File: VN060816.D  
Acq: 2 Apr 2020 12:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 46784 |       |       |
| 182     | 94.6  | 47.5  | 142.6 |       |
| 145     | 32.2  | 16.3  | 48.8  |       |

