

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\  
 Data File : VN059747.D  
 Acq On : 16 Jan 2020 21:09  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/17/2020 1:52:38 PM

Quant Time: Jan 17 08:46:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 14 08:58:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 197439   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 306207   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 278162   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 135223   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 109044   | 49.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.46%  |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 92662    | 50.74 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.48% |      |
| 50) Toluene-d8            | 10.08  | 98  | 353417   | 49.95 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.90%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 126149   | 49.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.92%  |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 116142  | 49.892  | ug/l   | 97     |
| 3) Chloromethane              | 2.04 | 50  | 108885  | 48.170  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 136795  | 52.892  | ug/l   | 99     |
| 5) Bromomethane               | 2.53 | 94  | 80699   | 51.129  | ug/l   | 99     |
| 6) Chloroethane               | 2.68 | 64  | 63013   | 51.498  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 159948  | 51.496  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.38 | 74  | 56566   | 51.894  | ug/l   | 81     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 89608   | 51.836  | ug/l   | 91     |
| 10) Methyl Iodide             | 3.93 | 142 | 144767  | 51.809  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 87947   | 238.265 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 91012   | 50.384  | ug/l   | 86     |
| 13) Acrolein                  | 3.58 | 56  | 64433   | 246.597 | ug/l   | 100    |
| 14) Allyl chloride            | 4.29 | 41  | 113311  | 46.539  | ug/l # | 85     |
| 15) Acrylonitrile             | 4.94 | 53  | 216648  | 257.308 | ug/l   | 100    |
| 16) Acetone                   | 3.78 | 43  | 171890  | 229.009 | ug/l   | 95     |
| 17) Carbon Disulfide          | 4.03 | 76  | 246933  | 47.988  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.28 | 43  | 129540  | 50.580  | ug/l # | 91     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 299325  | 50.823  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.52 | 84  | 114910  | 58.137  | ug/l   | 89     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 96181   | 50.091  | ug/l   | 88     |
| 22) Diisopropyl ether         | 5.91 | 45  | 274928  | 49.827  | ug/l   | 97     |
| 23) Vinyl Acetate             | 5.86 | 43  | 1067744 | 249.942 | ug/l # | 94     |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 167156  | 49.581  | ug/l   | 98     |
| 25) 2-Butanone                | 6.80 | 43  | 281516  | 226.725 | ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 146214  | 45.111  | ug/l   | 93     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 111349  | 50.419  | ug/l   | 87     |
| 28) Bromochloromethane        | 7.17 | 49  | 65324   | 48.478  | ug/l # | 73     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 184478  | 240.130 | ug/l # | 87     |
| 30) Chloroform                | 7.35 | 83  | 178240  | 51.025  | ug/l   | 100    |
| 31) Cyclohexane               | 7.63 | 56  | 149490  | 46.080  | ug/l   | 90     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 164986  | 51.082  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 131800  | 49.427  | ug/l   | 95     |
| 37) Ethyl Acetate             | 6.90 | 43  | 119547  | 47.800  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 146425  | 50.480  | ug/l   | 98     |

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

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/17/2020 1:52:38 PM

Quant Time: Jan 17 08:46:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 14 08:58:21 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 160841   | 48.918   | ug/l   | 92       |
| 40) Benzene                    | 8.02  | 78   | 396342   | 49.838   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.15  | 41   | 50952m   | 41.361   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 137479   | 50.987   | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 206096   | 47.909   | ug/l # | 94       |
| 44) Trichloroethene            | 8.82  | 130  | 114344   | 52.669   | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 100172   | 50.903   | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 71030    | 51.168   | ug/l   | 90       |
| 47) Bromodichloromethane       | 9.39  | 83   | 143044   | 51.135   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.18  | 41   | 93718    | 48.705   | ug/l   | 90       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 35312    | 1002.466 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 604524   | 243.098  | ug/l   | 94       |
| 52) Toluene                    | 10.14 | 92   | 255671   | 50.897   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 157738   | 50.500   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 166140   | 50.552   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 101548   | 51.042   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 152499   | 50.165   | ug/l   | 91       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 164426   | 52.057   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 264139   | 288.472  | ug/l # | 90       |
| 59) 2-Hexanone                 | 10.74 | 43   | 443079   | 241.855  | ug/l   | 94       |
| 60) Dibromochloromethane       | 10.89 | 129  | 118370   | 52.247   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 108147   | 51.863   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.62 | 164  | 111869   | 49.346   | ug/l   | 95       |
| 65) Chlorobenzene              | 11.43 | 112  | 278218   | 50.887   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 108634   | 51.422   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.50 | 91   | 497548   | 50.131   | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 378684   | 101.007  | ug/l   | 94       |
| 69) o-Xylene                   | 11.94 | 106  | 184917   | 50.381   | ug/l   | 94       |
| 70) Styrene                    | 11.96 | 104  | 312187   | 50.830   | ug/l   | 97       |
| 71) Bromoform                  | 12.12 | 173  | 89857    | 53.100   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.24 | 105  | 498615   | 50.278   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 184305   | 47.894   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 141908   | 49.360   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 125295m  | 55.059   | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 127425   | 50.738   | ug/l   | 81       |
| 78) n-propylbenzene            | 12.59 | 91   | 555212   | 49.880   | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 325901   | 49.216   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 414086   | 49.649   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 50367    | 47.530   | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 331709   | 49.942   | ug/l   | 95       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 356608   | 49.437   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 411914   | 49.922   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 471516   | 49.752   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 436367   | 49.761   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 224829   | 51.537   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 221711   | 50.945   | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.61 | 91   | 372572   | 49.829   | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 83612    | 50.960   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 218824   | 50.739   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 31042    | 50.318   | ug/l   | 82       |

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Data File : VN059747.D  
Acq On : 16 Jan 2020 21:09  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

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1/17/2020 1:52:38 PM

Quant Time: Jan 17 08:46:32 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 14 08:58:21 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 135613   | 52.331 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.00 | 225  | 70836    | 49.603 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 379184   | 51.442 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 129525   | 51.349 | ug/l  | 99       |

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

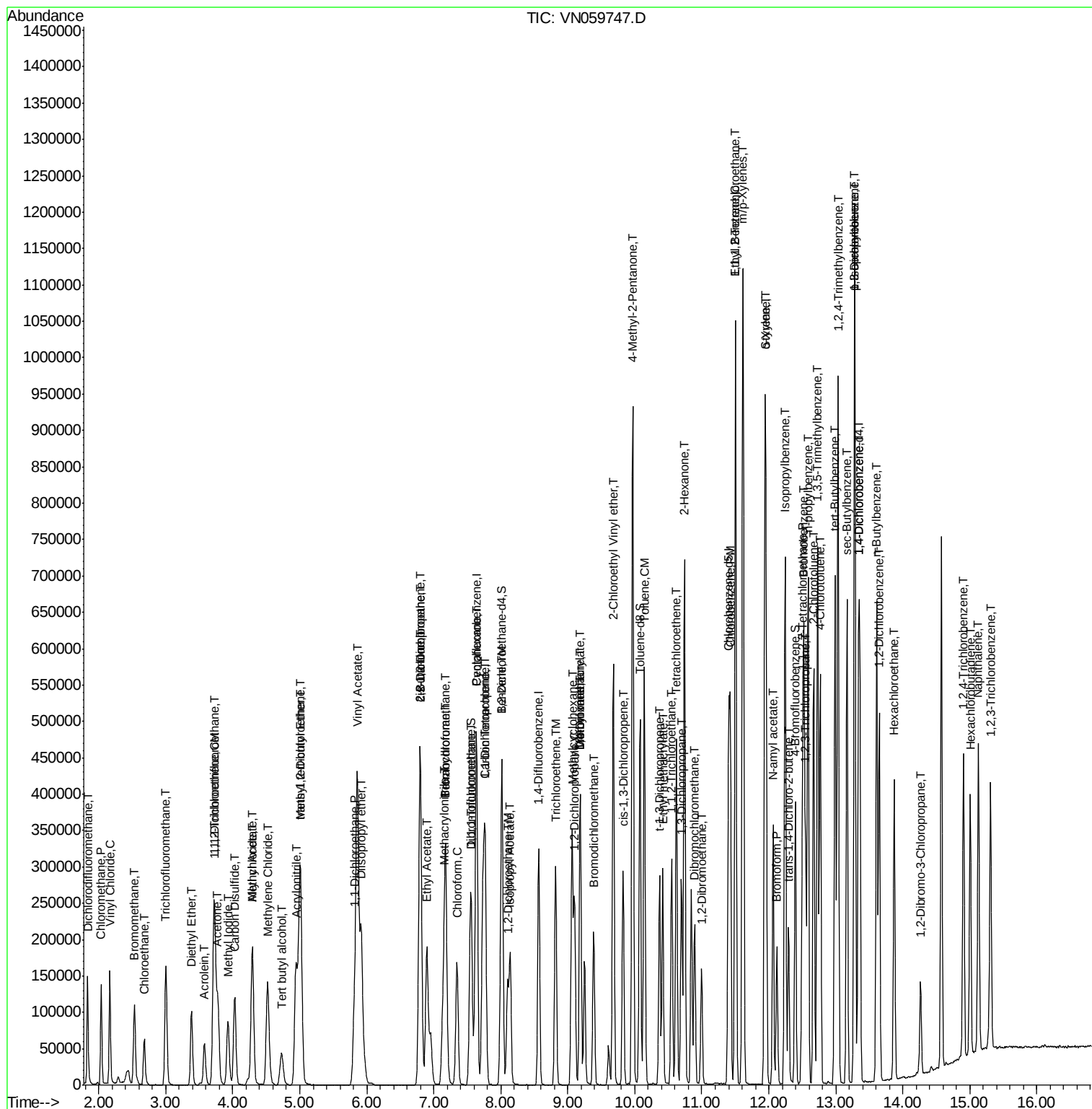
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Data File : VN059747.D  
Acq On : 16 Jan 2020 21:09  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
Client Sample ID :  
VSTDCCC050EC

Manual Integrations  
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MMDadoda  
1/17/2020 1:52:38 PM

Quant Time: Jan 17 08:46:32 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 14 08:58:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 197439

Ion Ratio Lower Upper

168 100

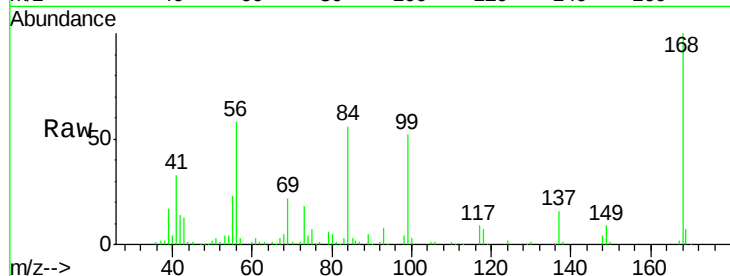
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Manual Integrations

APPROVED

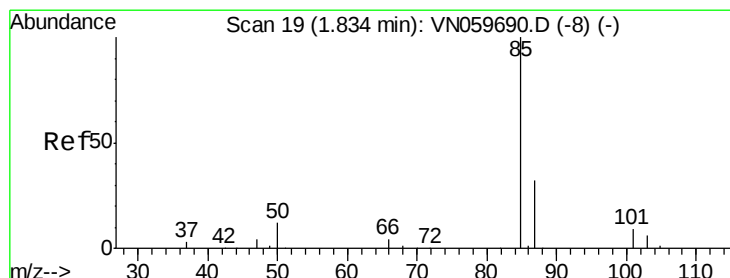
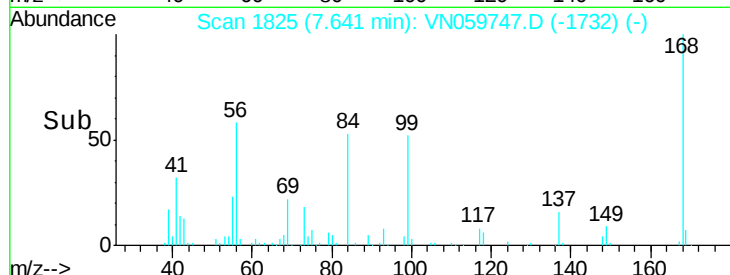
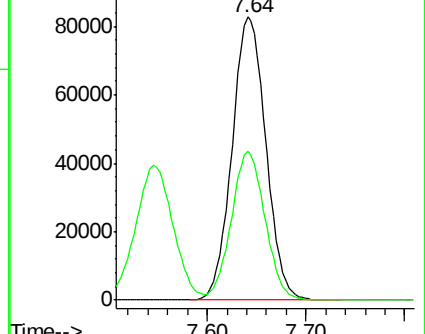
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.892 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059747.D

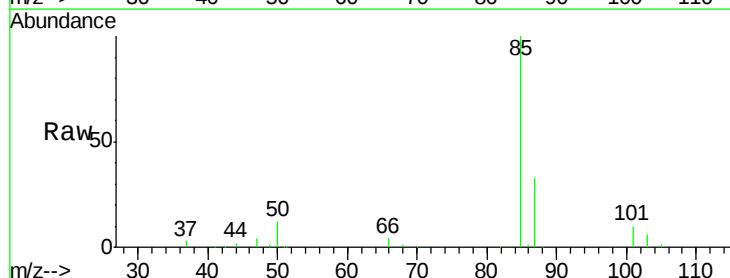
Acq: 16 Jan 2020 21:09

Tgt Ion: 85 Resp: 116142

Ion Ratio Lower Upper

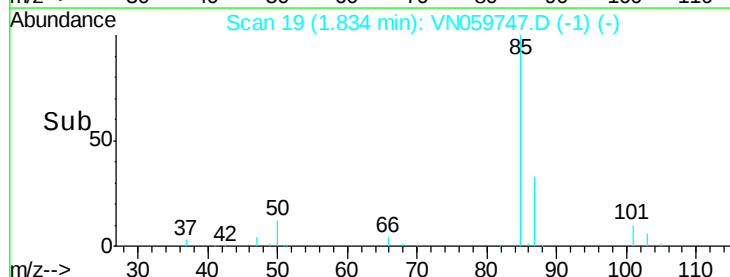
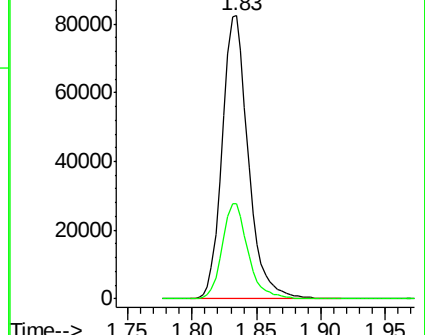
85 100

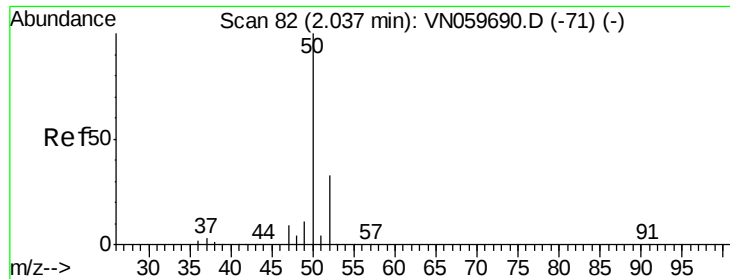
87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.170 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108885

Ion Ratio Lower Upper

50 100

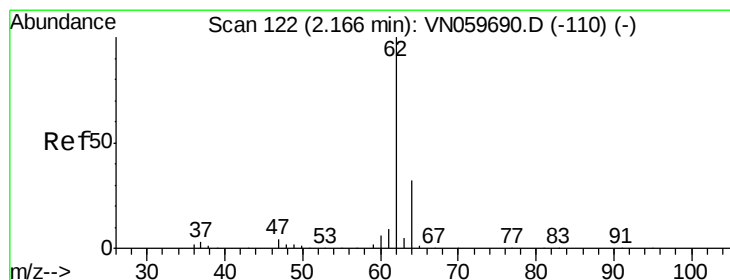
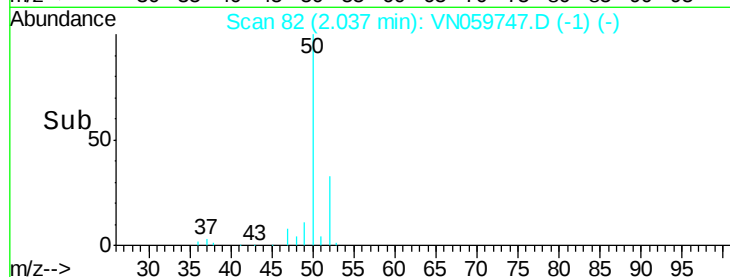
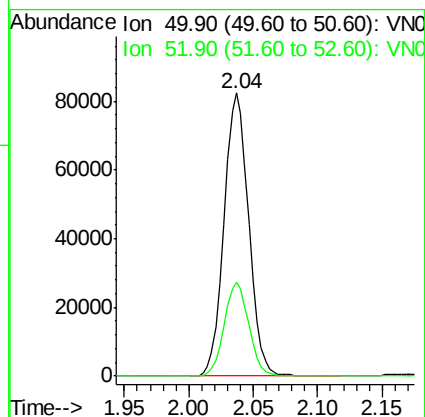
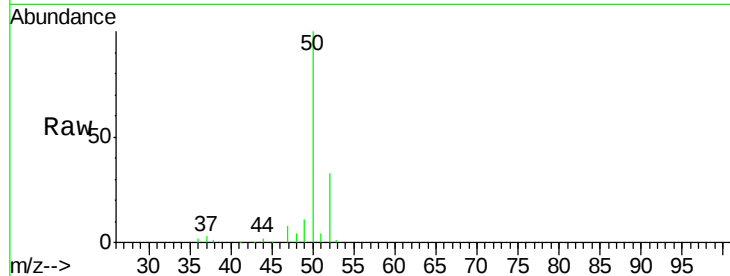
52 33.2 25.9 38.9

Manual Integrations

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1/17/2020 1:52:38 PM



#4

Vinyl Chloride

Concen: 52.892 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059747.D

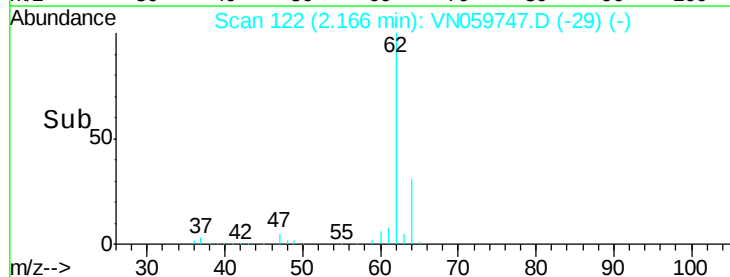
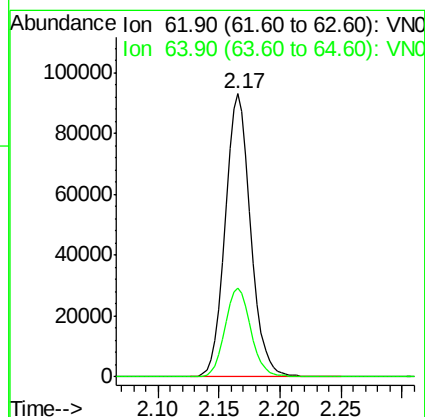
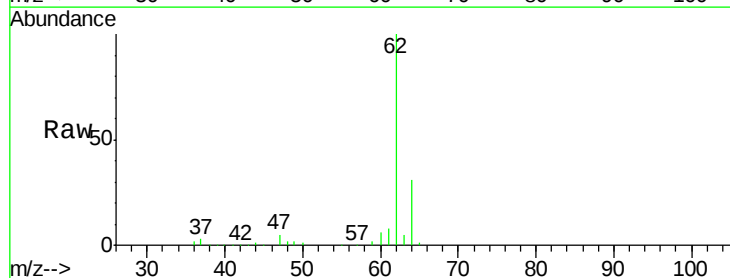
Acq: 16 Jan 2020 21:09

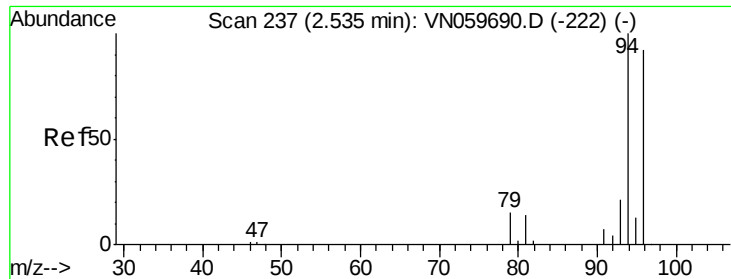
Tgt Ion: 62 Resp: 136795

Ion Ratio Lower Upper

62 100

64 31.4 24.6 37.0





#5

Bromomethane

Concen: 51.129 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 80699

Ion Ratio Lower Upper

94 100

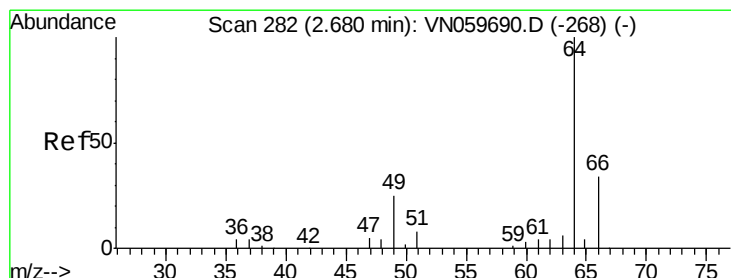
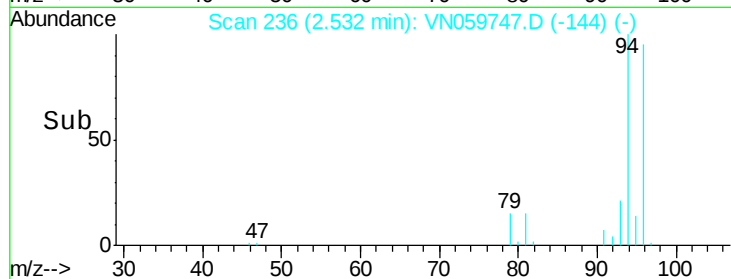
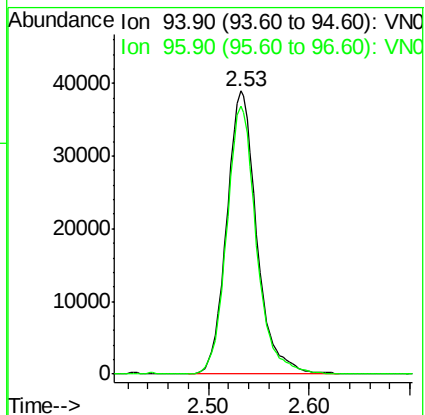
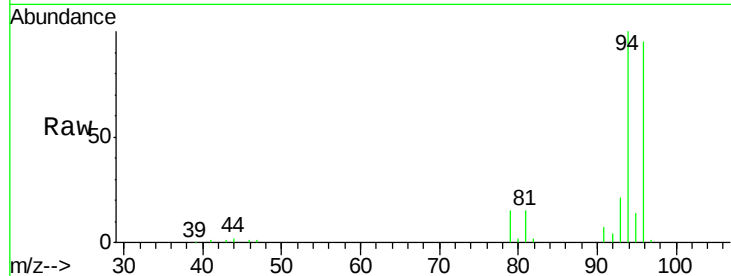
96 94.5 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 51.498 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059747.D

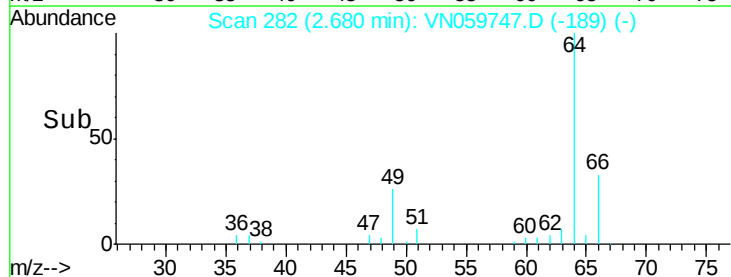
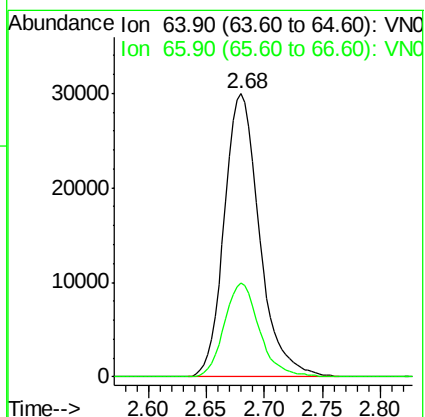
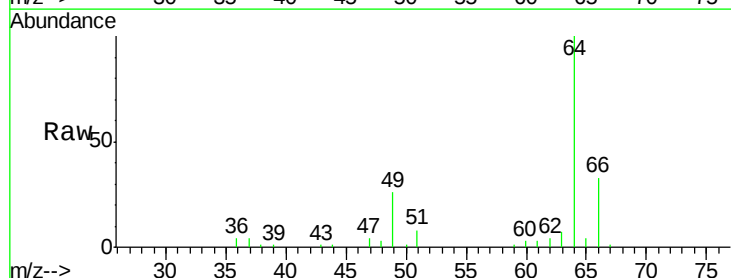
Acq: 16 Jan 2020 21:09

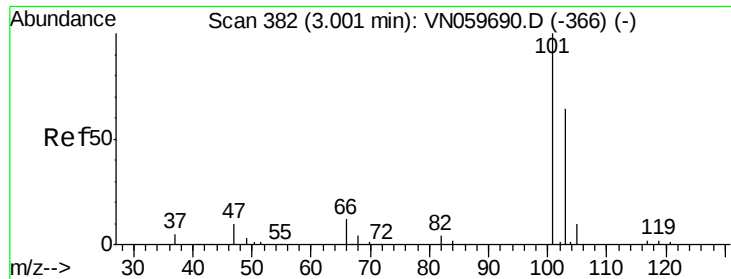
Tgt Ion: 64 Resp: 63013

Ion Ratio Lower Upper

64 100

66 33.2 25.1 37.7





#7

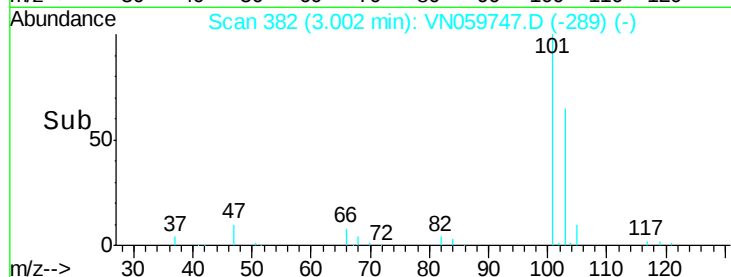
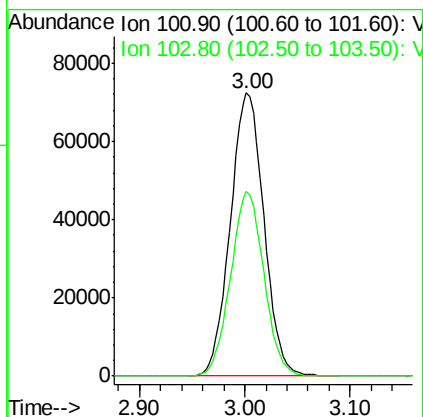
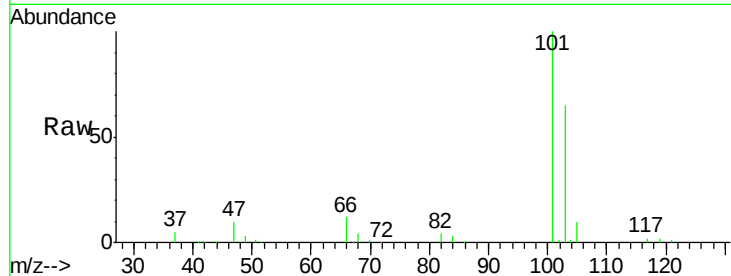
Trichlorofluoromethane  
Concen: 51.496 ug/l  
RT: 3.00 min Scan# 382  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:101 Resp: 159948  
Ion Ratio Lower Upper  
101 100  
103 65.4 51.0 76.6

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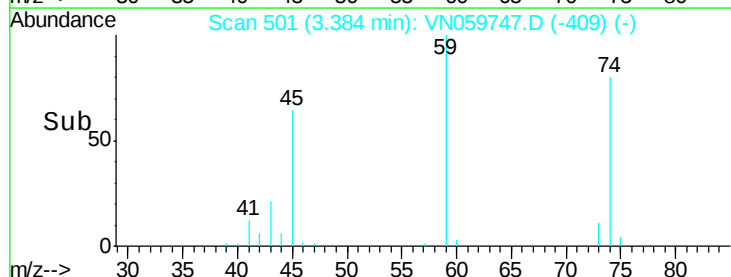
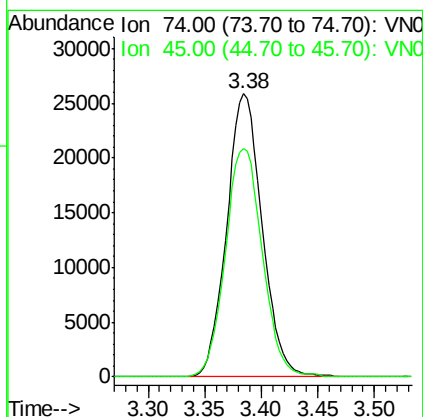
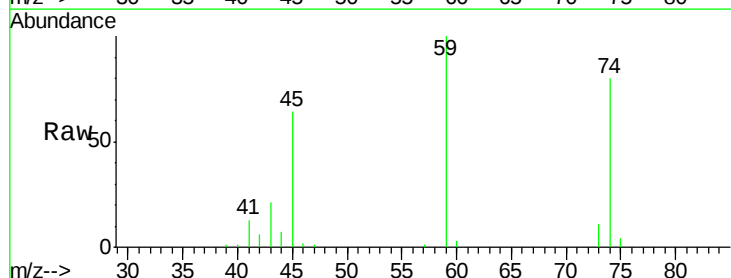
MMDadoda  
1/17/2020 1:52:38 PM



#8

Diethyl Ether  
Concen: 51.894 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Tgt Ion: 74 Resp: 56566  
Ion Ratio Lower Upper  
74 100  
45 84.0 51.9 155.8





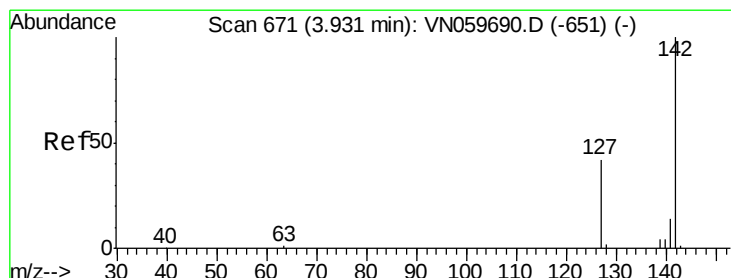
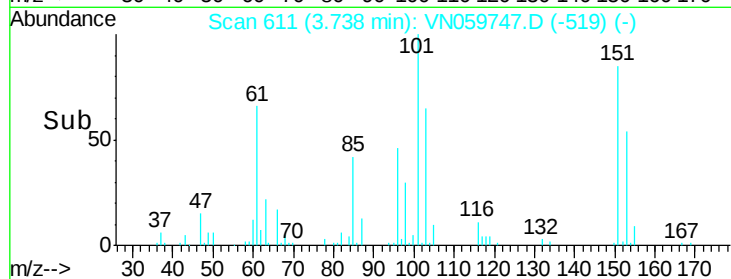
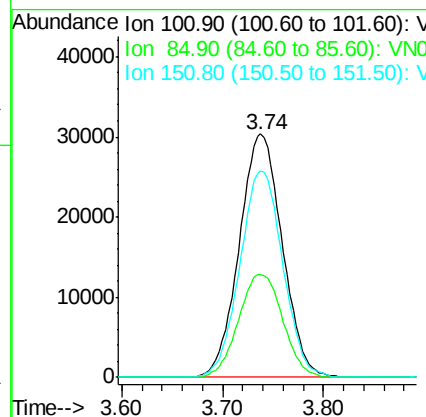
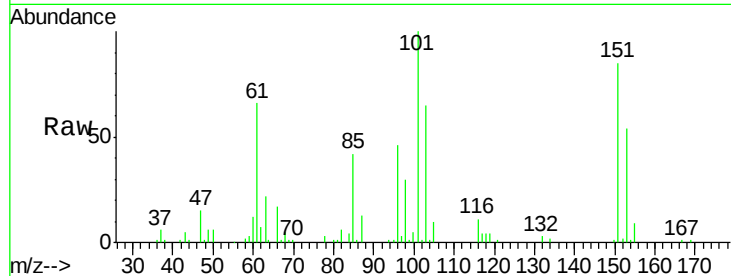
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.836 ug/l  
RT: 3.74 min Scan# 611  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 43.4  | 36.6  | 54.8  |
| 151     | 85.0  | 59.7  | 89.5  |

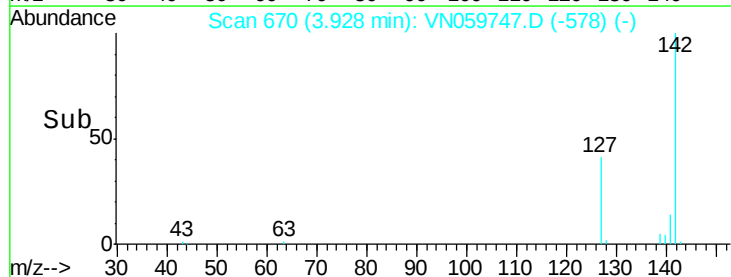
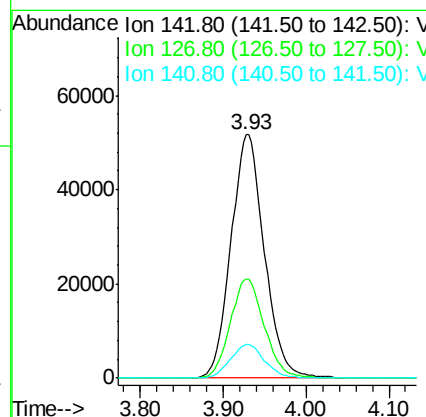
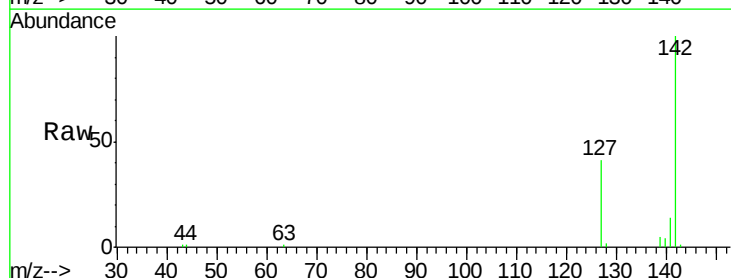
Manual Integrations  
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1/17/2020 1:52:38 PM



#10  
Methyl Iodide  
Concen: 51.809 ug/l  
RT: 3.93 min Scan# 670  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 41.5  | 36.7  | 55.1  |
| 141     | 14.1  | 11.7  | 17.5  |





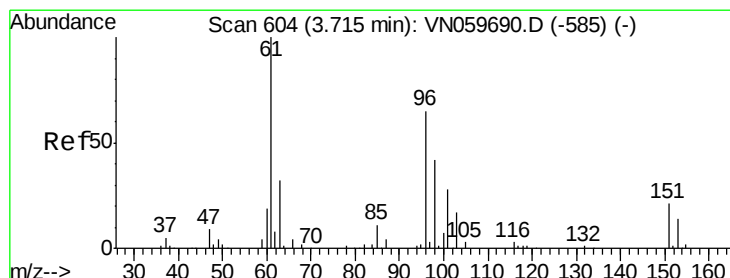
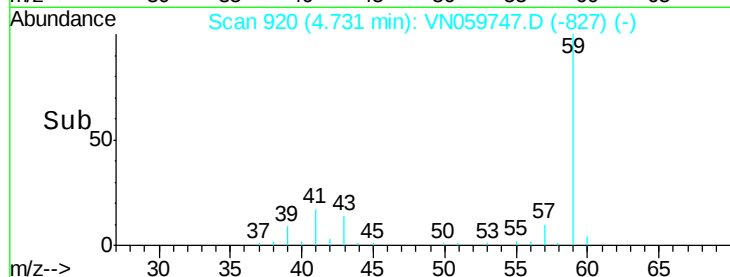
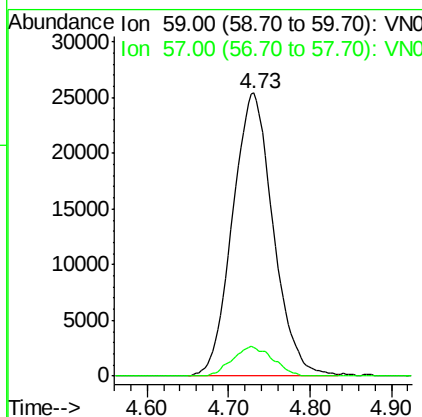
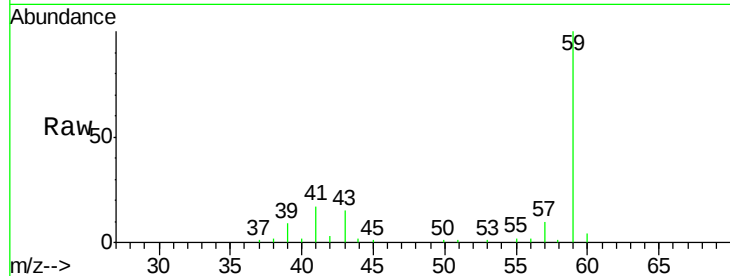
#11  
Tert butyl alcohol  
Concen: 238.265 ug/l  
RT: 4.73 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.4  | 8.6   | 12.8  |

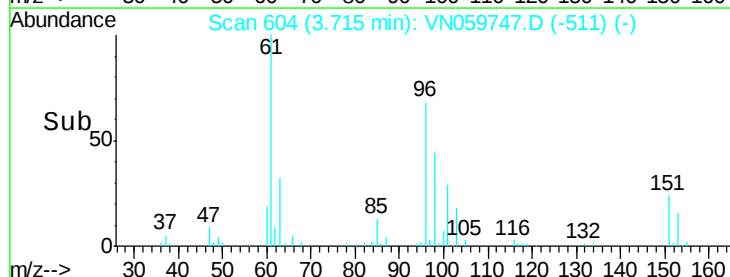
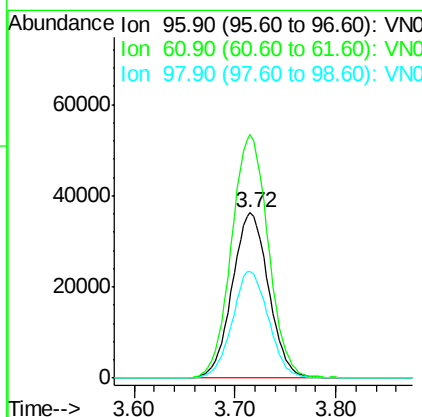
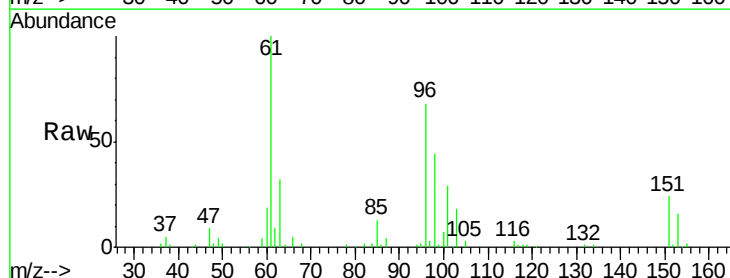
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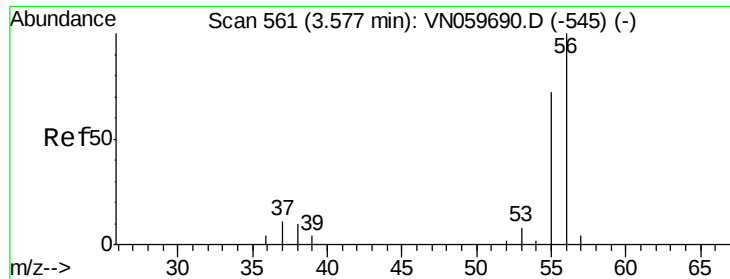
MMDadoda  
1/17/2020 1:52:38 PM



#12  
1,1-Dichloroethene  
Concen: 50.384 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.4 | 137.5 | 206.3 |
| 98      | 64.8  | 50.2  | 75.4  |





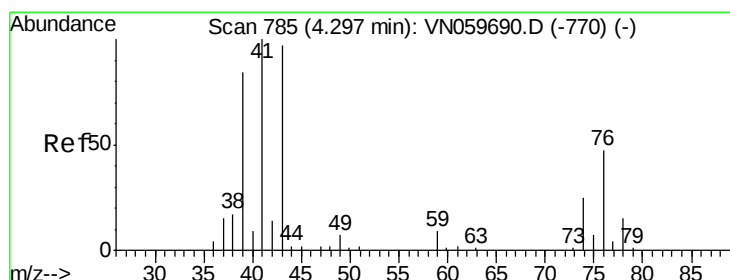
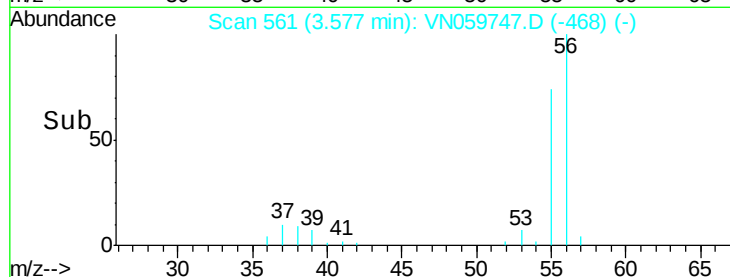
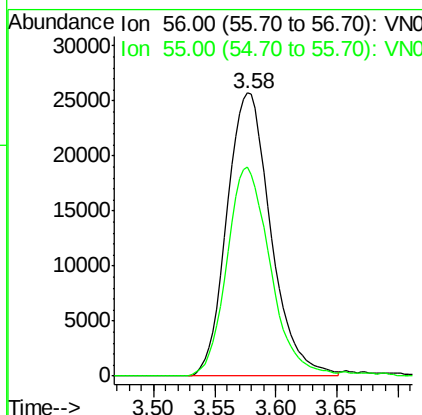
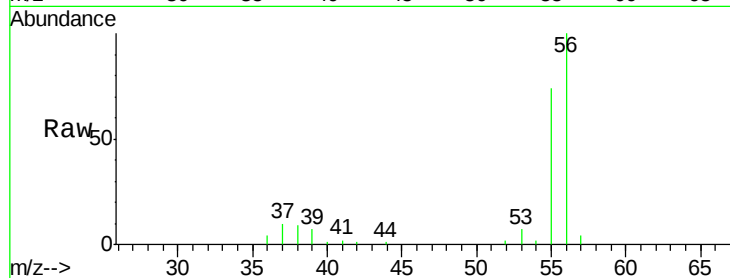
#13  
Acrolein  
Concen: 246.597 ug/l  
RT: 3.58 min Scan# 561  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 56 Resp: 64433  
Ion Ratio Lower Upper  
56 100  
55 72.9 58.6 88.0

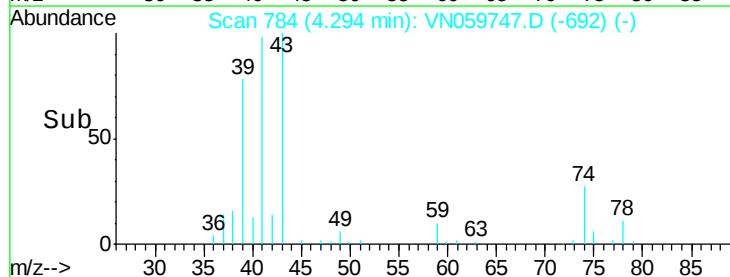
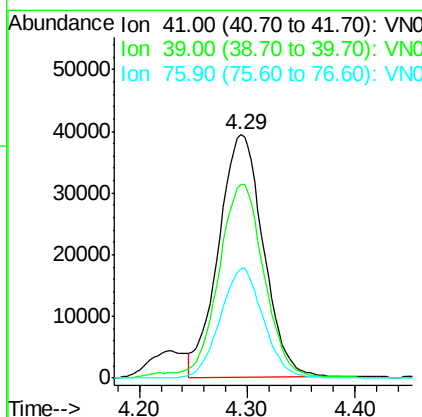
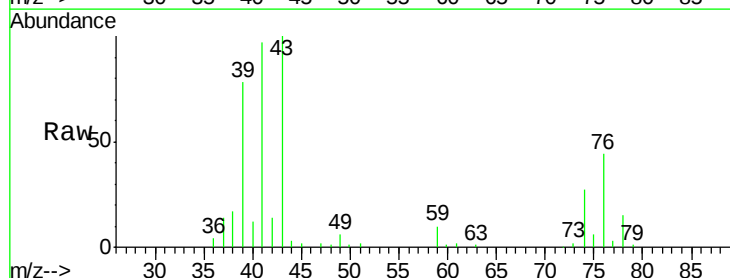
Manual Integrations  
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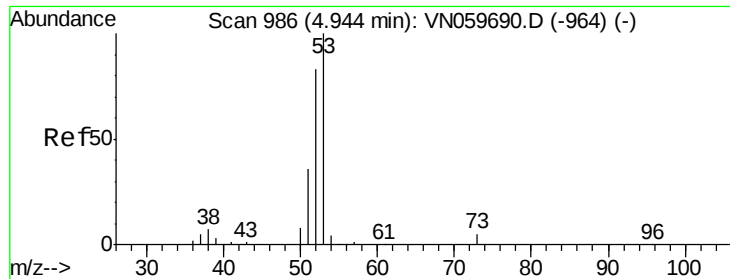
MMDadoda  
1/17/2020 1:52:38 PM



#14  
Allyl chloride  
Concen: 46.539 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Tgt Ion: 41 Resp: 113311  
Ion Ratio Lower Upper  
41 100  
39 82.2 57.8 86.8  
76 43.7 25.4 38.0#





#15

Acrylonitrile

Concen: 257.308 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

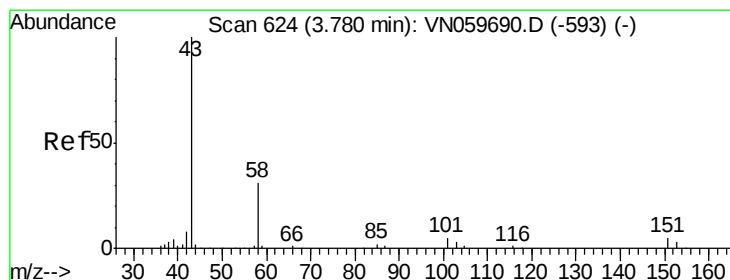
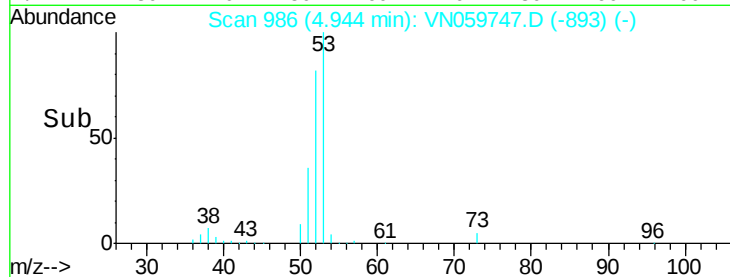
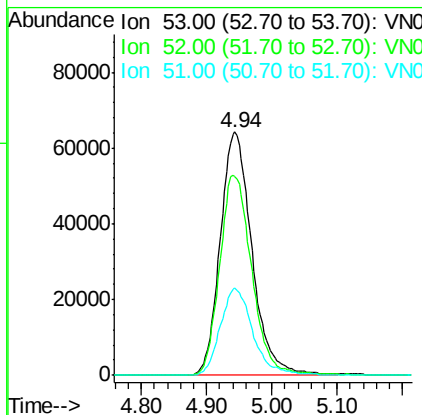
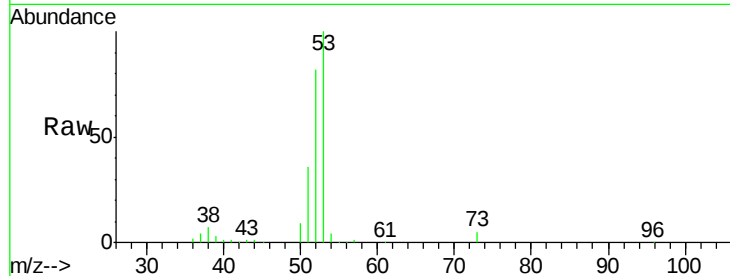
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 216648 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.9  | 66.3  | 99.5   |
| 51       | 36.9  | 29.7  | 44.5   |

Manual Integrations  
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#16

Acetone

Concen: 229.009 ug/l

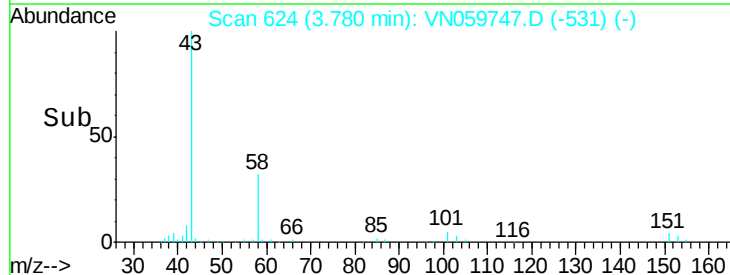
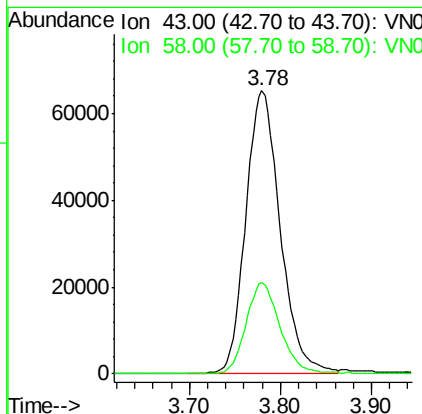
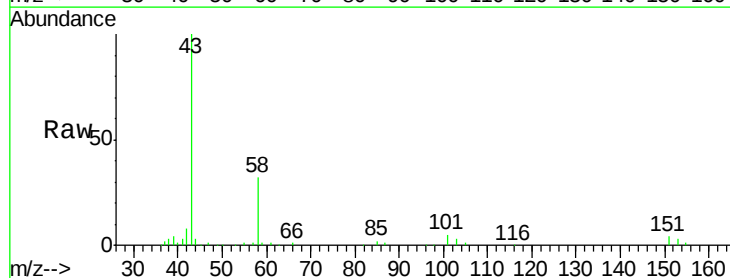
RT: 3.78 min Scan# 624

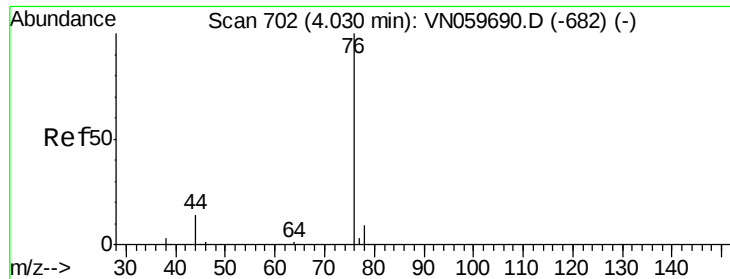
Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 171890 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 32.3  | 23.6  | 35.4   |





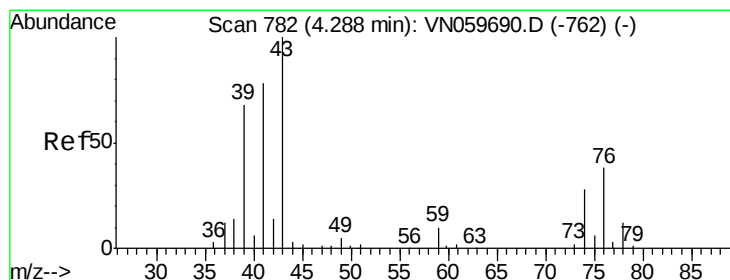
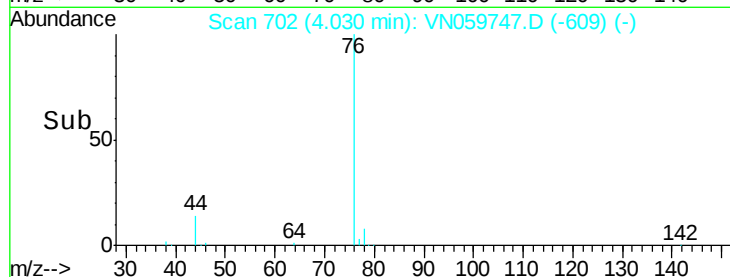
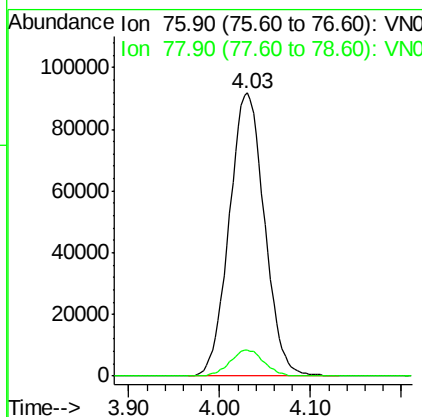
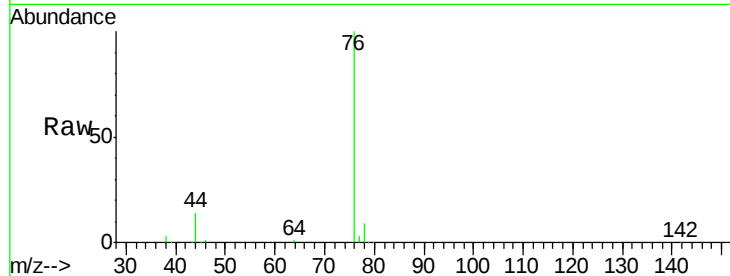
#17  
Carbon Disulfide  
Concen: 47.988 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.4   | 11.0  |

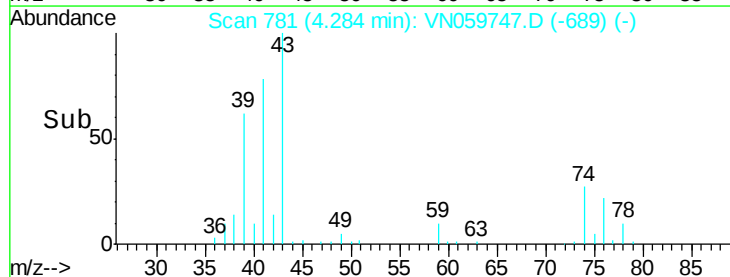
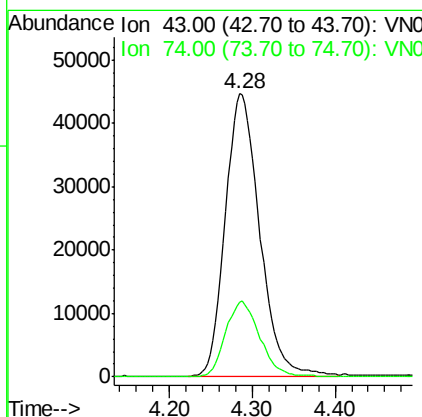
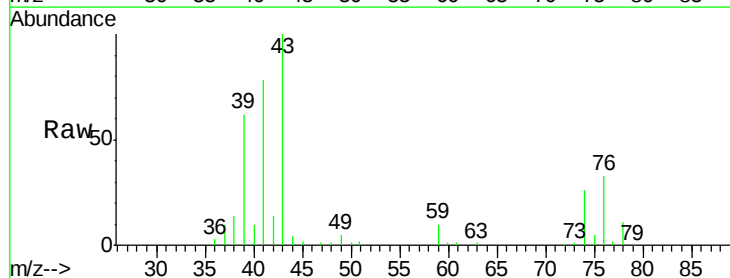
Manual Integrations  
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1/17/2020 1:52:38 PM



#18  
Methyl Acetate  
Concen: 50.580 ug/l  
RT: 4.28 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 26.4  | 17.5  | 26.3# |





#19

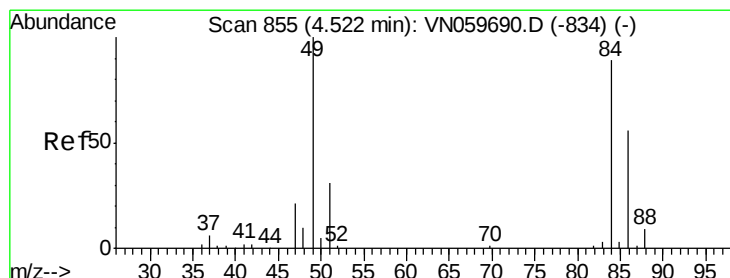
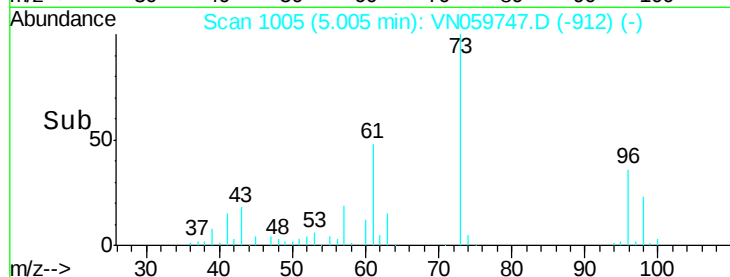
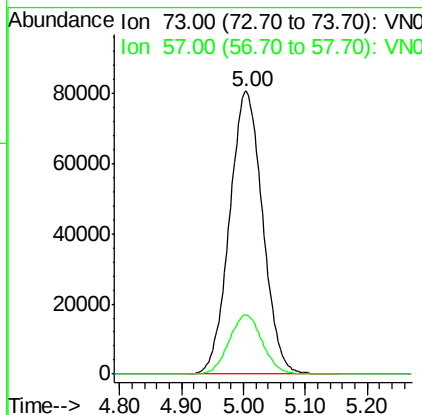
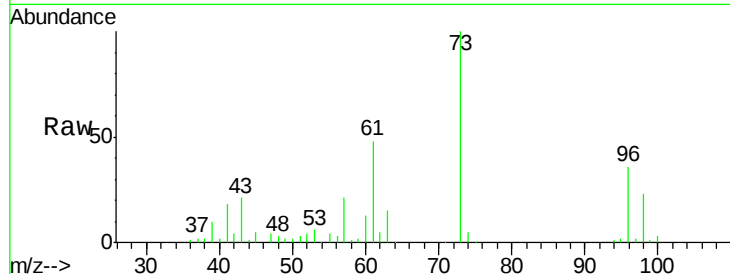
Methyl tert-butyl Ether  
 Concen: 50.823 ug/l  
 RT: 5.00 min Scan# 1005  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 73 Resp: 299325  
 Ion Ratio Lower Upper  
 73 100  
 57 21.0 18.6 27.8

Manual Integrations  
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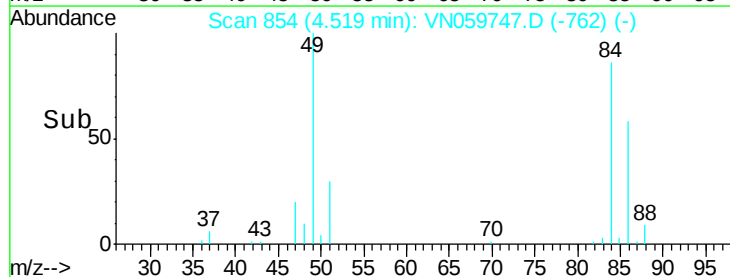
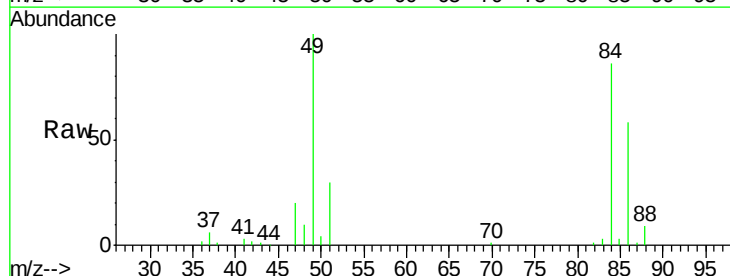
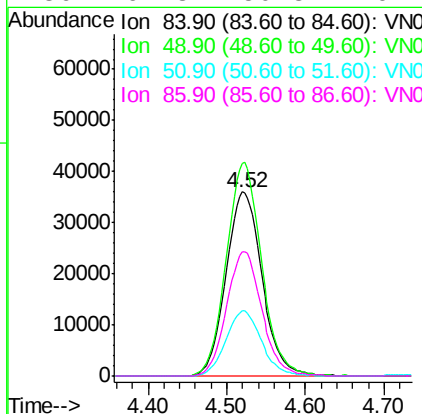
MMDadoda  
 1/17/2020 1:52:38 PM

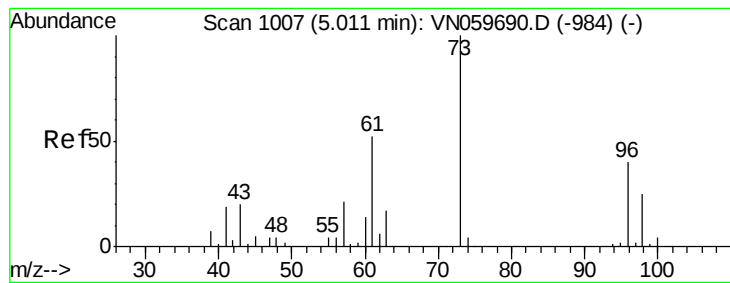


#20

Methylene Chloride  
 Concen: 58.137 ug/l  
 RT: 4.52 min Scan# 854  
 Delta R.T. -0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

Tgt Ion: 84 Resp: 114910  
 Ion Ratio Lower Upper  
 84 100  
 49 115.7 106.6 160.0  
 51 35.3 31.9 47.9  
 86 67.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.091 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 96181

Ion Ratio Lower Upper

96 100

61 129.5 120.4 180.6

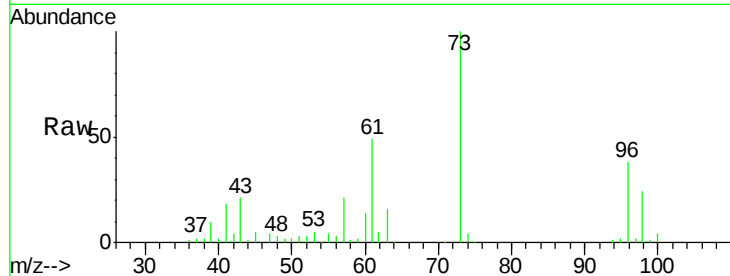
98 62.7 50.6 75.8

Manual Integrations

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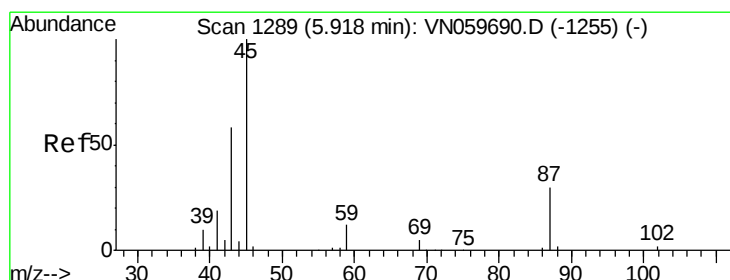
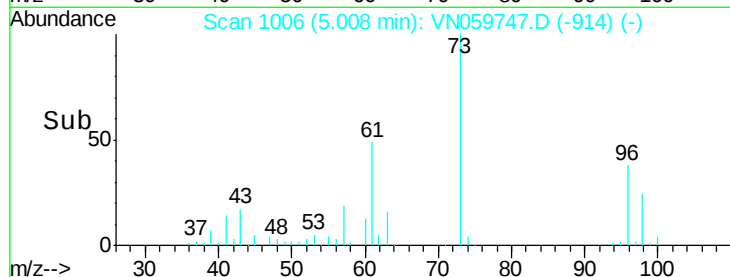
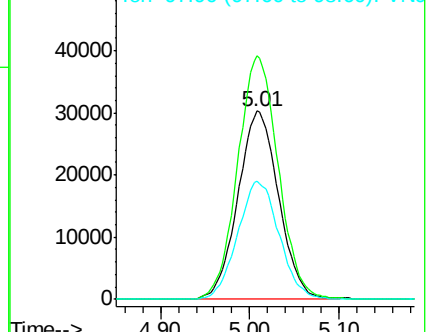


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.827 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Tgt Ion: 45 Resp: 274928

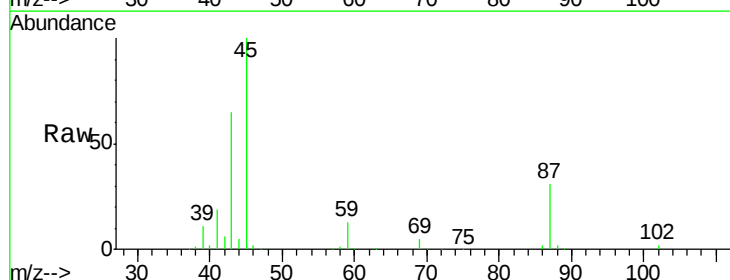
Ion Ratio Lower Upper

45 100

43 63.6 50.8 76.2

87 31.5 21.0 31.6

59 12.5 9.1 13.7



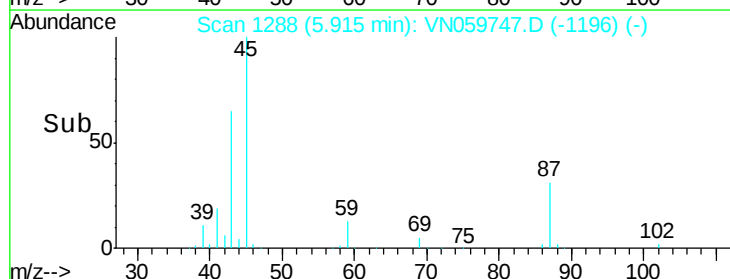
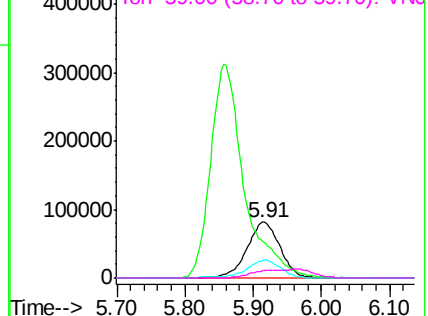
Abundance

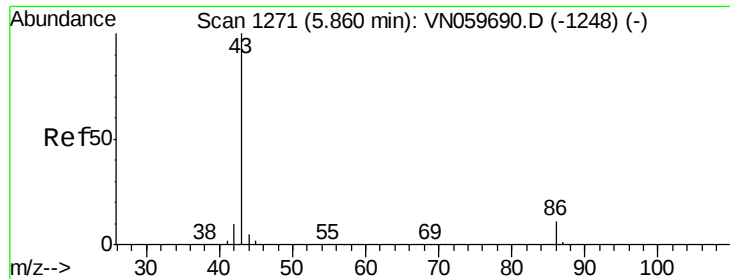
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 249.942 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1067744

Ion Ratio Lower Upper

43 100

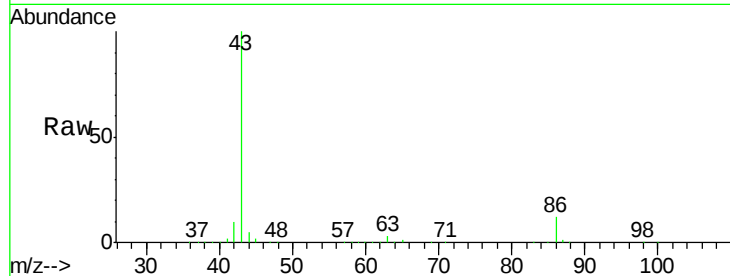
86 11.7 7.6 11.4#

Manual Integrations

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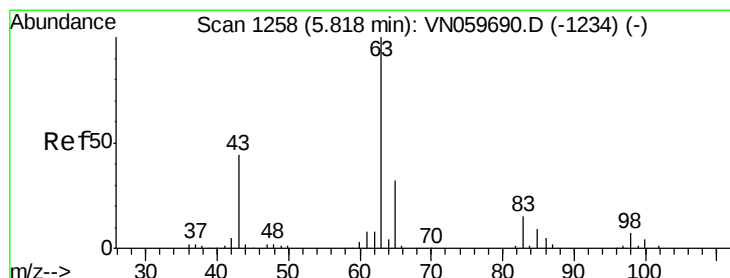
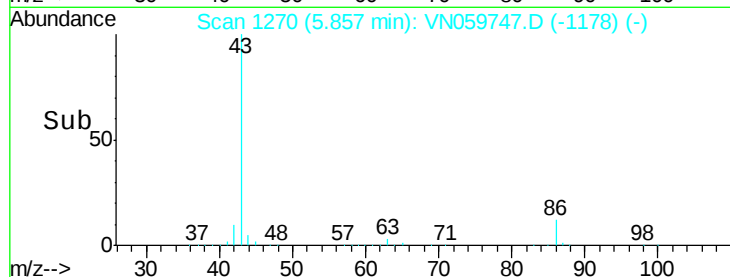
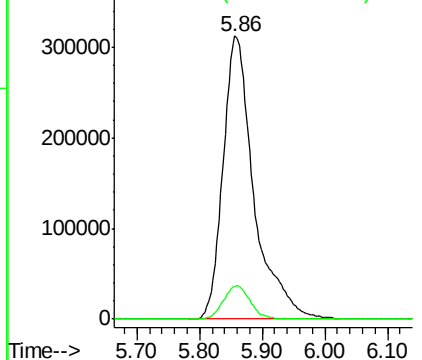
MMDadoda

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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: 49.581 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

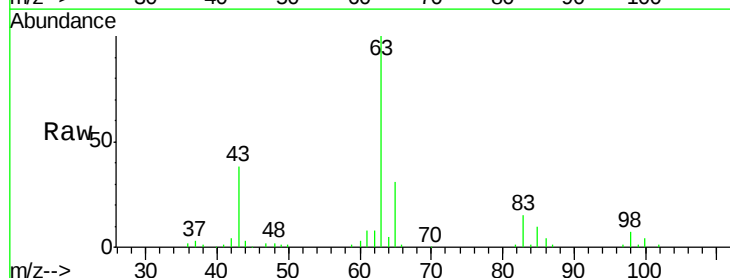
Tgt Ion: 63 Resp: 167156

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

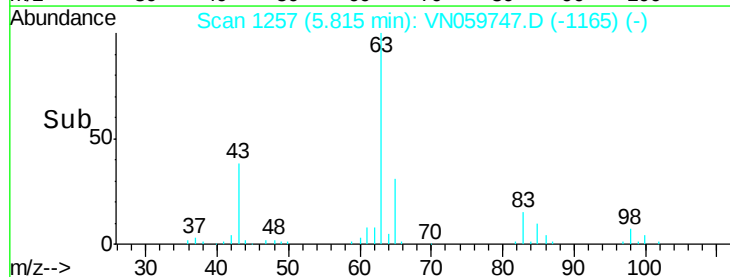
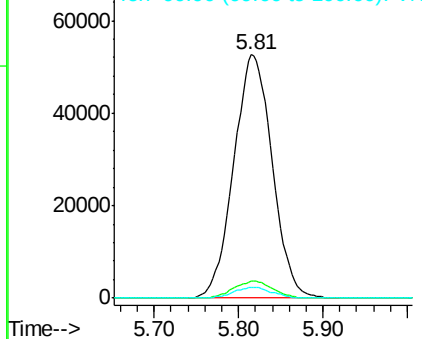
100 4.3 2.0 6.0



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: 226.725 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 281516

Ion Ratio Lower Upper

43 100

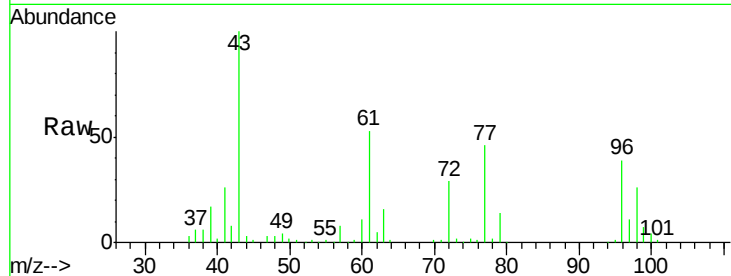
72 28.8 19.9 29.9

Manual Integrations

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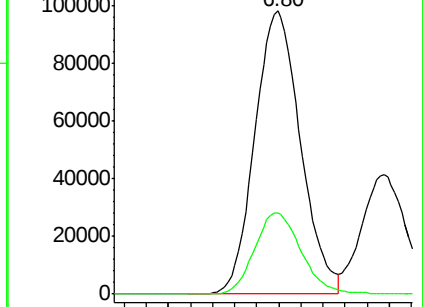
MMDadoda

1/17/2020 1:52:38 PM

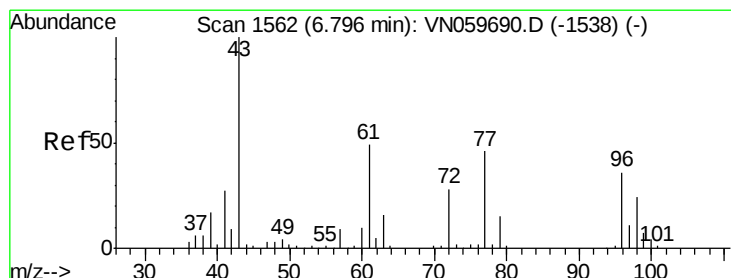
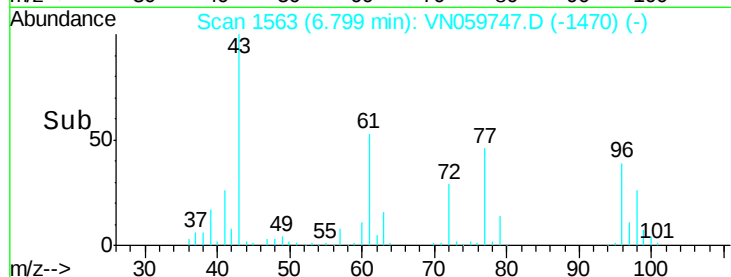


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 45.111 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059747.D

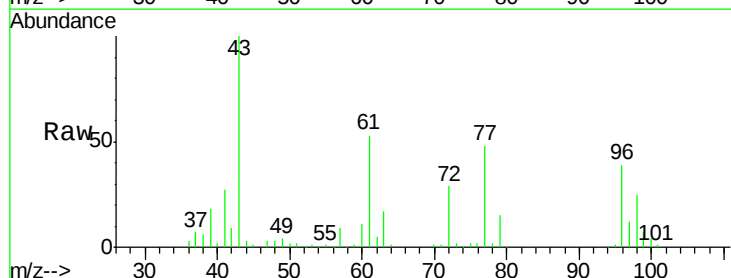
Acq: 16 Jan 2020 21:09

Tgt Ion: 77 Resp: 146214

Ion Ratio Lower Upper

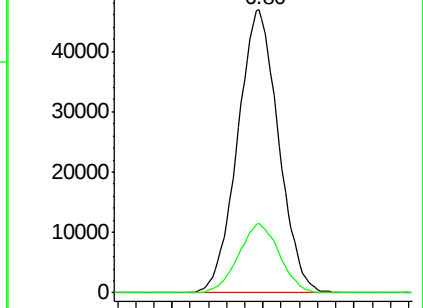
77 100

97 24.4 10.7 31.9

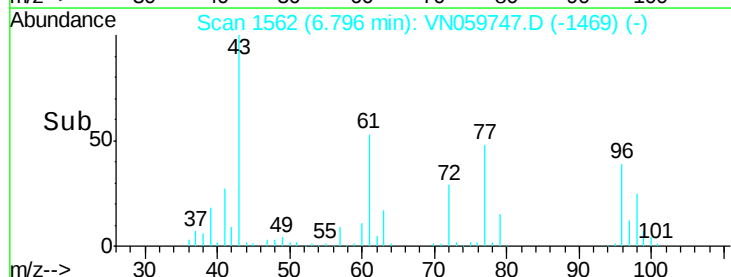


Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.419 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

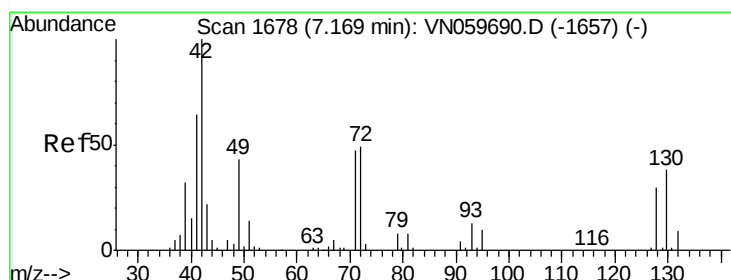
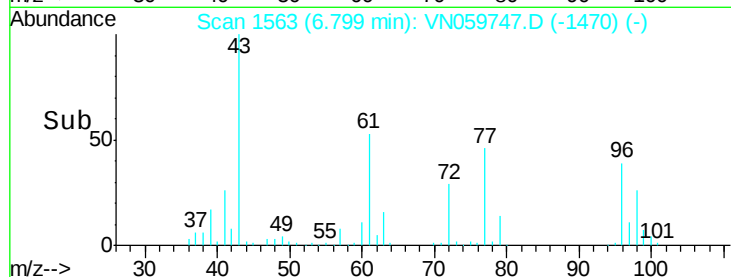
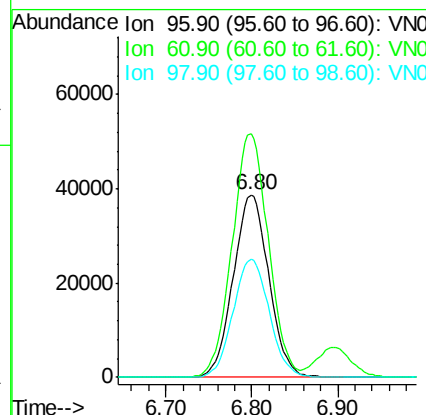
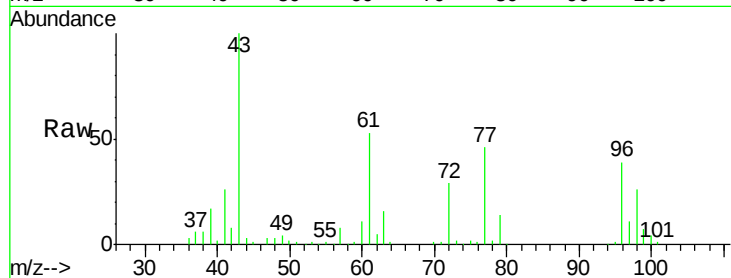
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 111349 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 136.1 | 0.0   | 317.6  |
| 98       | 65.7  | 0.0   | 127.0  |

Manual Integrations  
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1/17/2020 1:52:38 PM



#28

Bromochloromethane

Concen: 48.478 ug/l

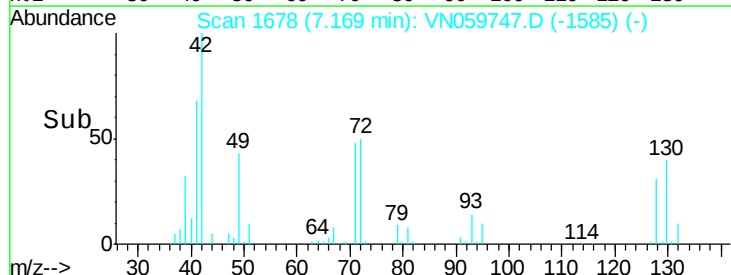
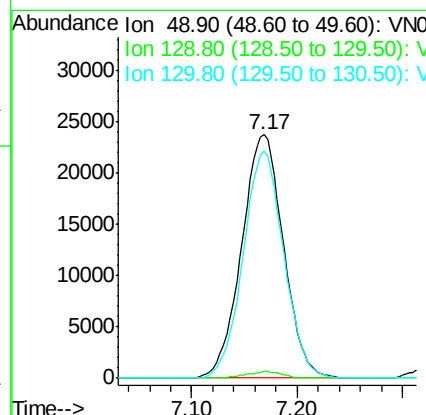
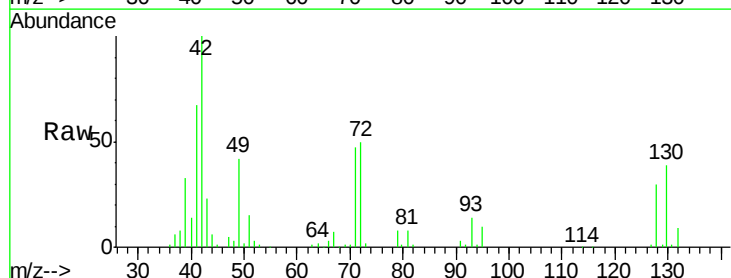
RT: 7.17 min Scan# 1678

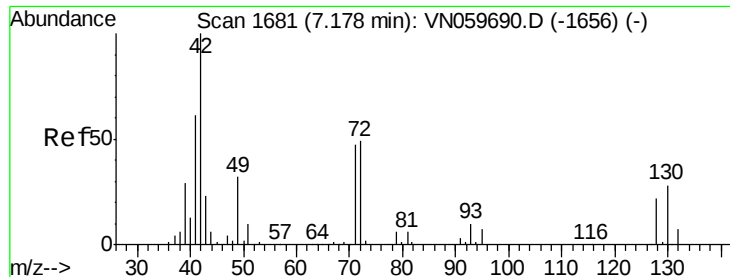
Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 65324 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 2.2   | 0.0   | 3.4   |
| 130      | 90.6  | 54.7  | 82.1# |





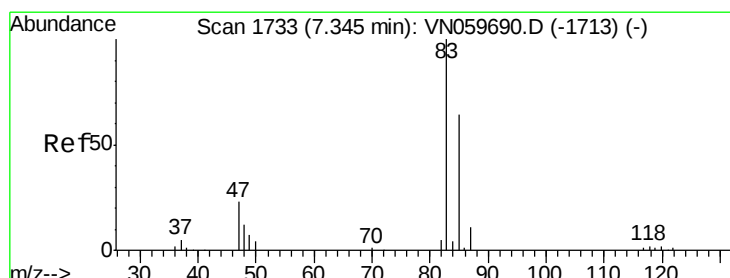
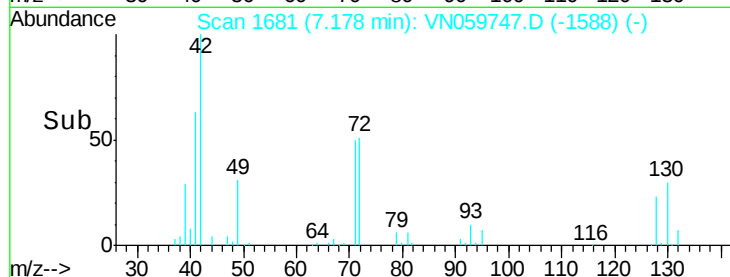
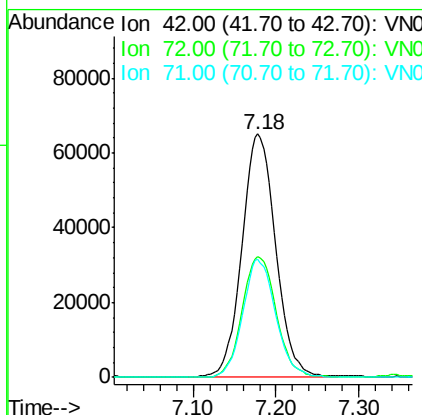
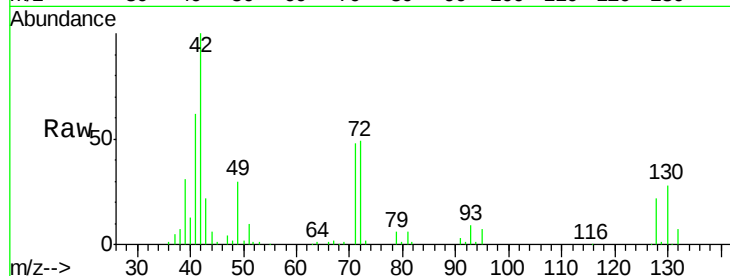
#29  
Tetrahydrofuran  
Concen: 240.130 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 50.1  | 33.1  | 49.7# |
| 71      | 47.3  | 31.4  | 47.0# |

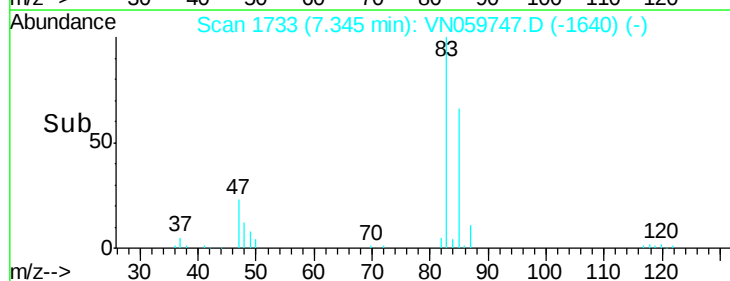
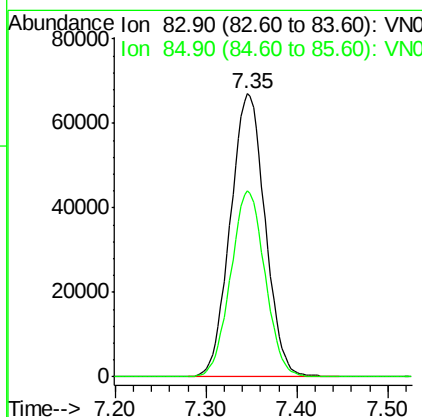
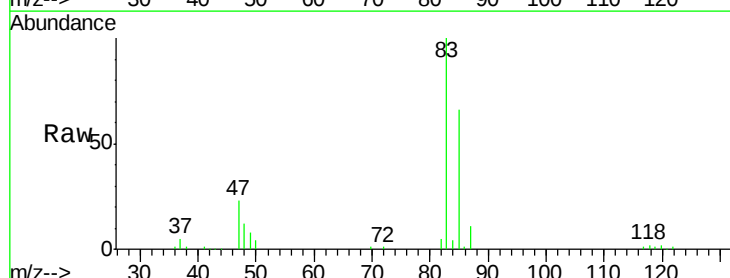
Manual Integrations  
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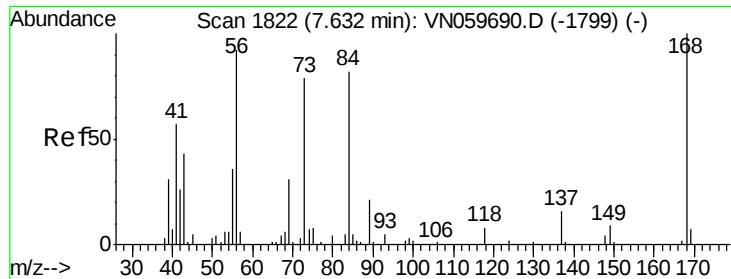
MMDadoda  
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#30  
Chloroform  
Concen: 51.025 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.9  | 52.4  | 78.6  |





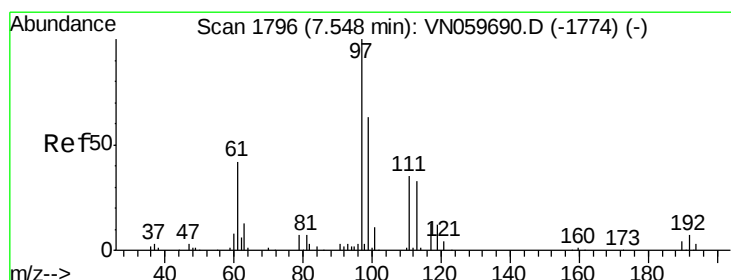
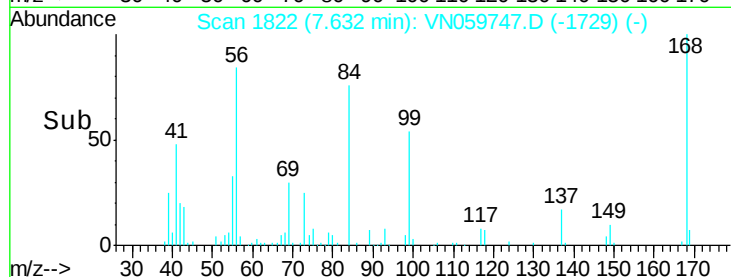
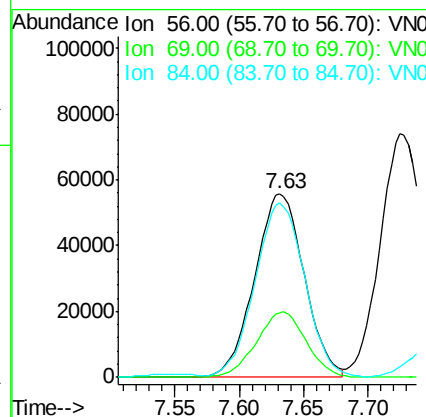
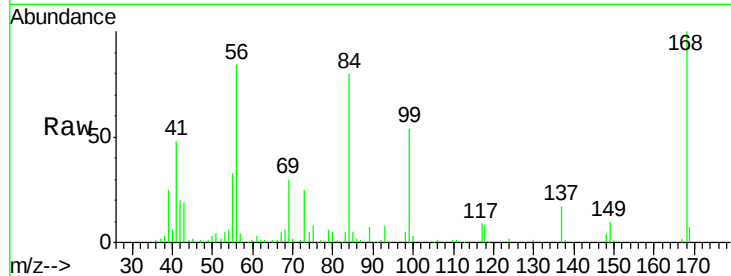
#31  
Cyclohexane  
Concen: 46.080 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.4  | 26.5  | 39.7  |
| 84      | 93.3  | 65.3  | 97.9  |

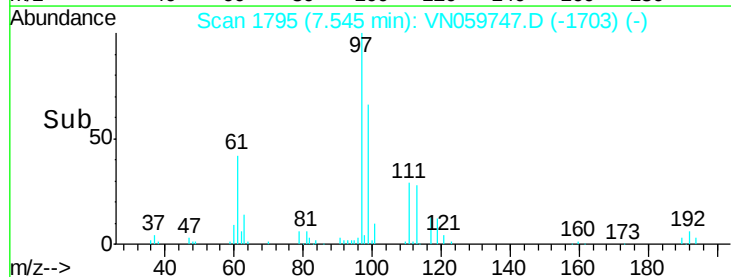
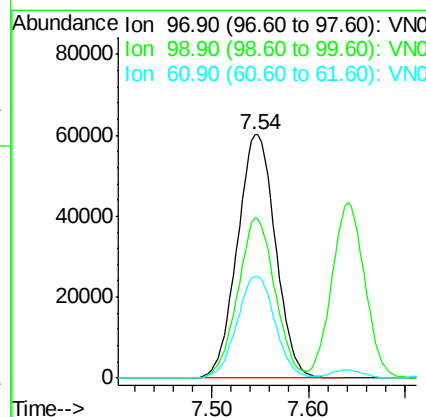
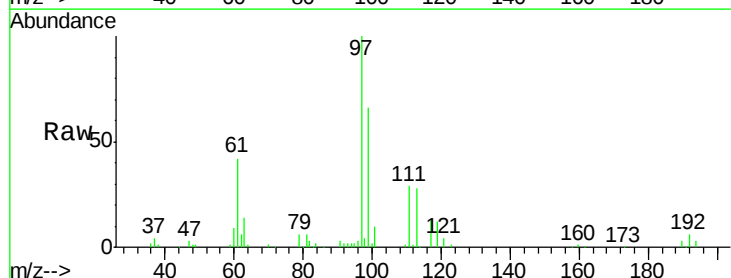
Manual Integrations  
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#32  
1,1,1-Trichloroethane  
Concen: 51.082 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 51.0  | 76.4  |
| 61      | 41.5  | 38.5  | 57.7  |





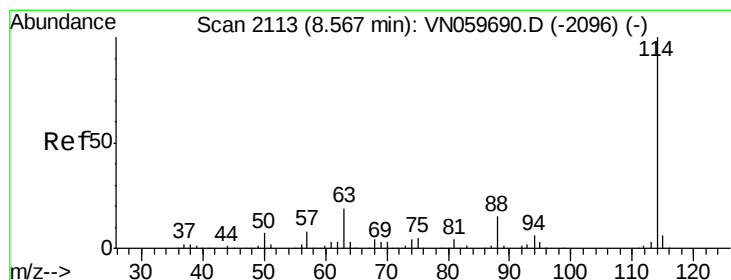
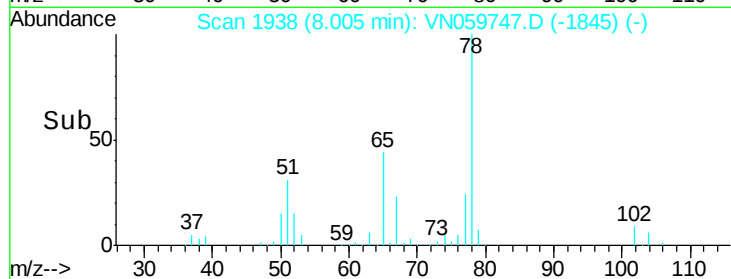
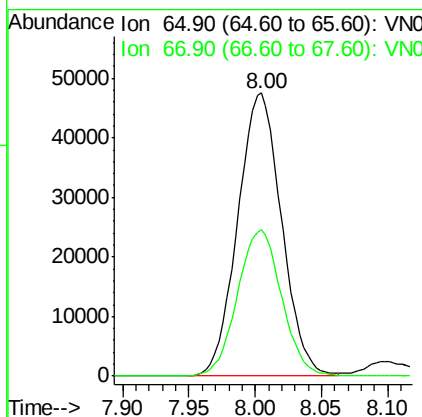
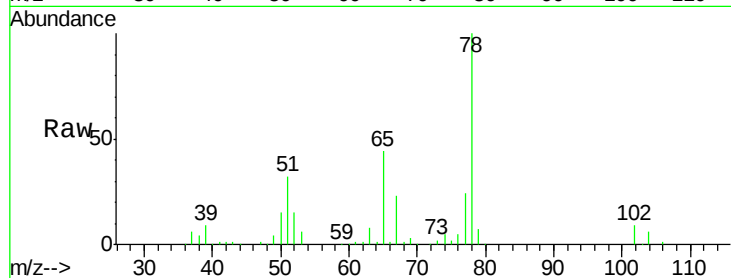
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.733 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.1  | 0.0   | 103.0 |

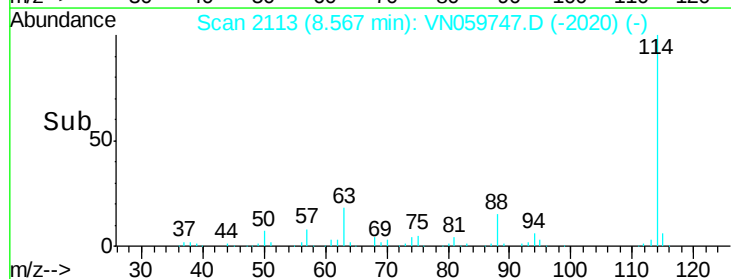
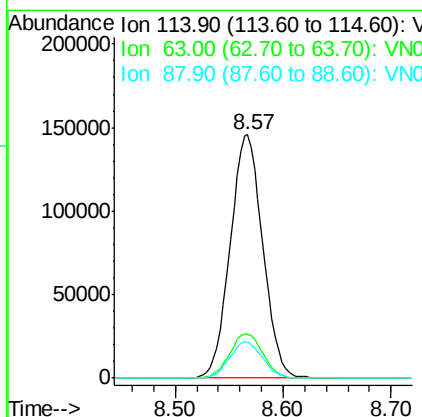
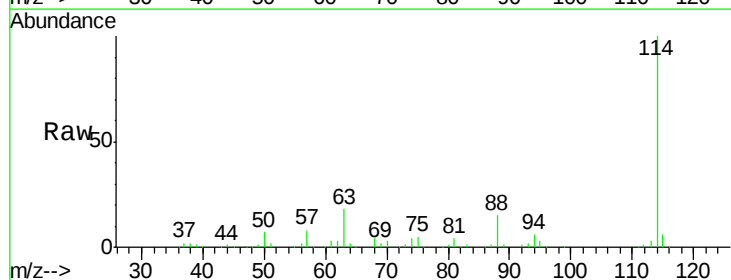
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.1  | 0.0   | 43.6  |
| 88      | 15.0  | 0.0   | 31.4  |





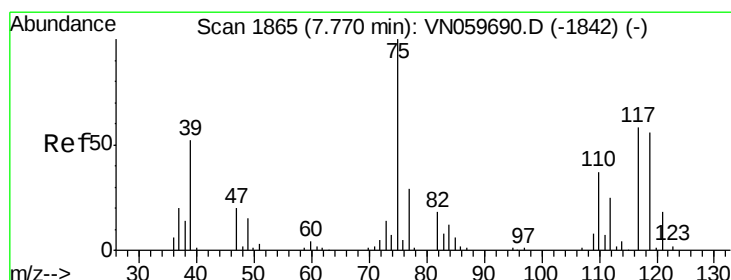
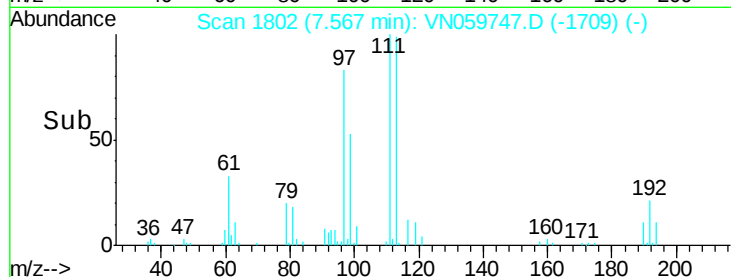
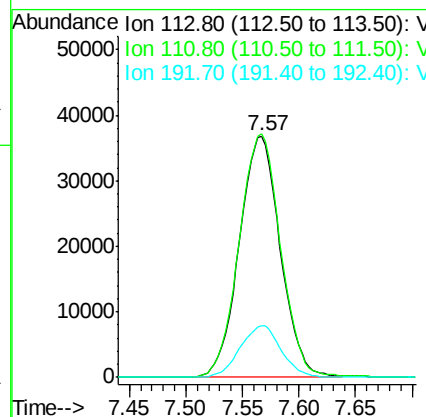
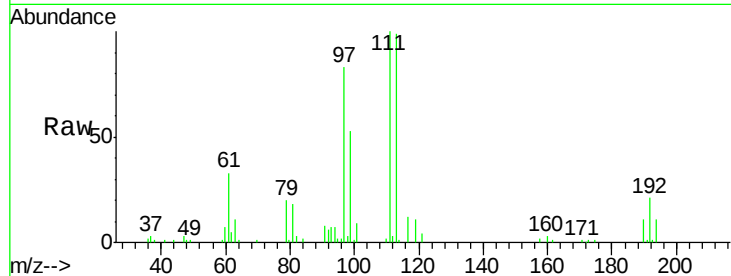
#35  
 Dibromofluoromethane  
 Concen: 50.745 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 83.5  | 125.3 |
| 192     | 21.3  | 15.4  | 23.2  |

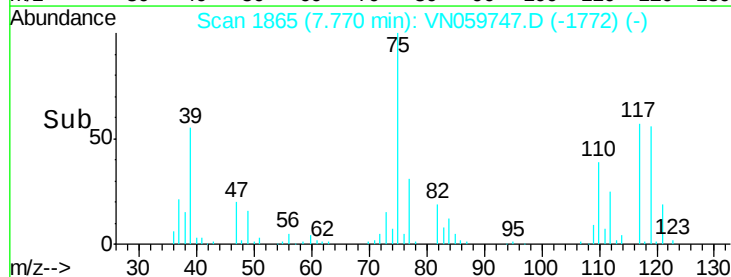
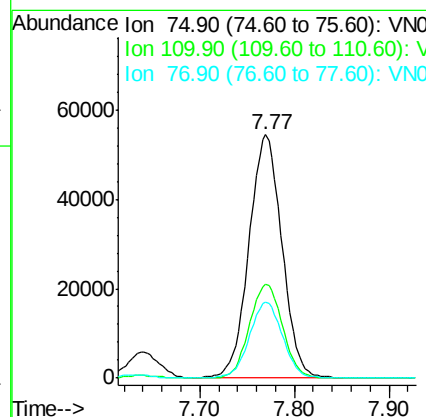
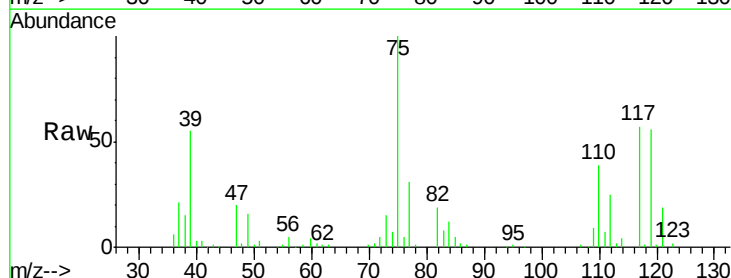
Manual Integrations  
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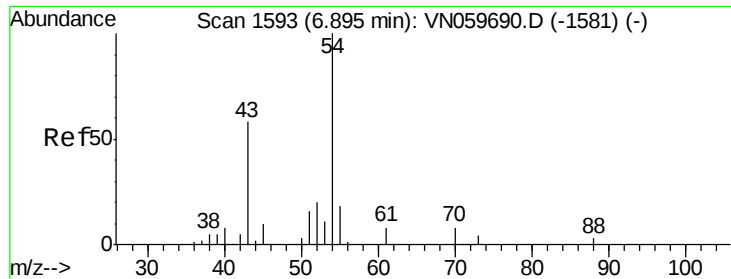
MMDadoda  
 1/17/2020 1:52:38 PM



#36  
 1,1-Dichloropropene  
 Concen: 49.427 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.5  | 16.6  | 49.7  |
| 77      | 31.4  | 25.1  | 37.7  |





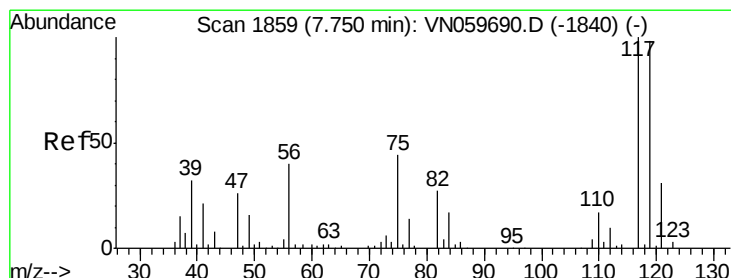
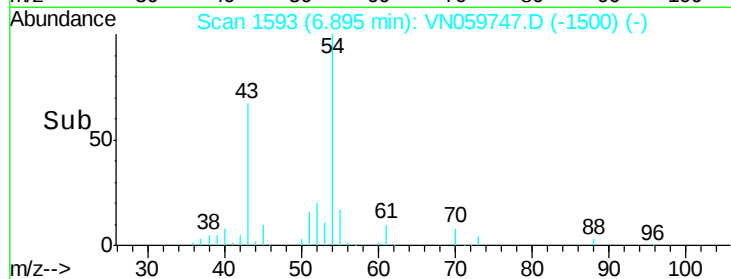
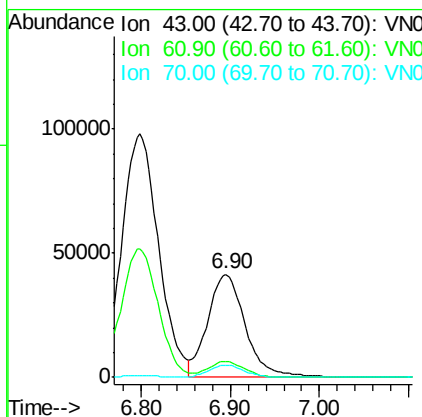
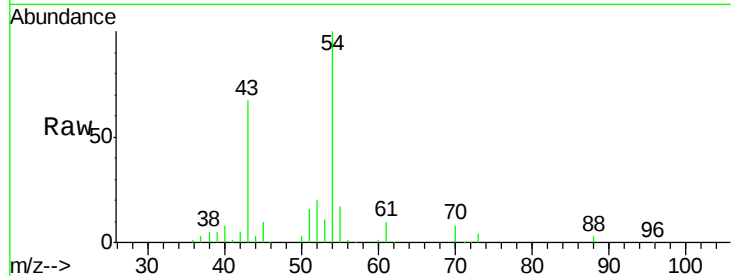
#37  
Ethyl Acetate  
Concen: 47.800 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.3  | 10.9  | 16.3  |
| 70      | 11.2  | 7.7   | 11.5  |

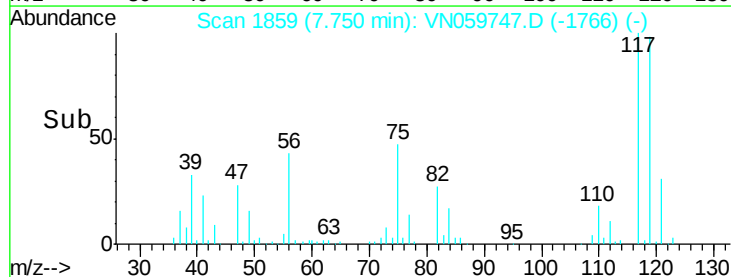
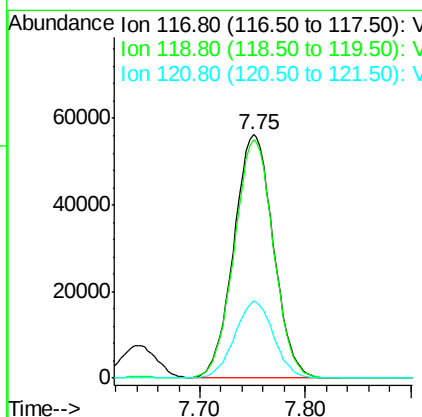
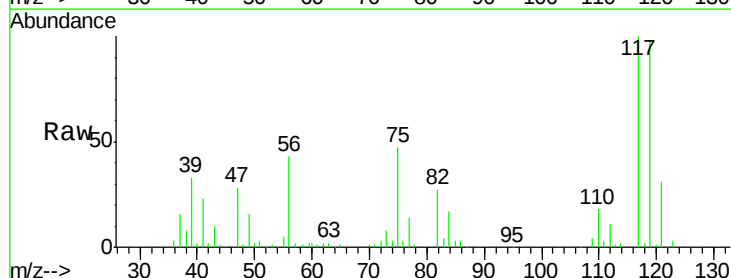
Manual Integrations  
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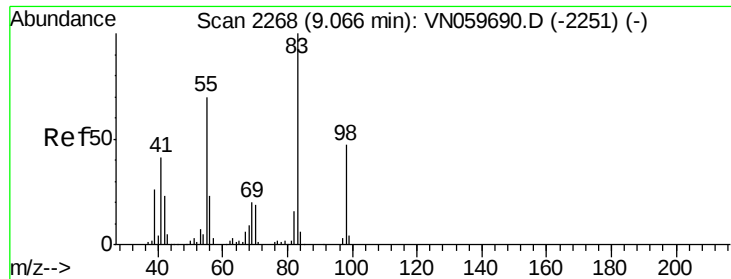
MMDadoda  
1/17/2020 1:52:38 PM



#38  
Carbon Tetrachloride  
Concen: 50.480 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.9  | 76.5  | 114.7 |
| 121     | 31.5  | 25.1  | 37.7  |





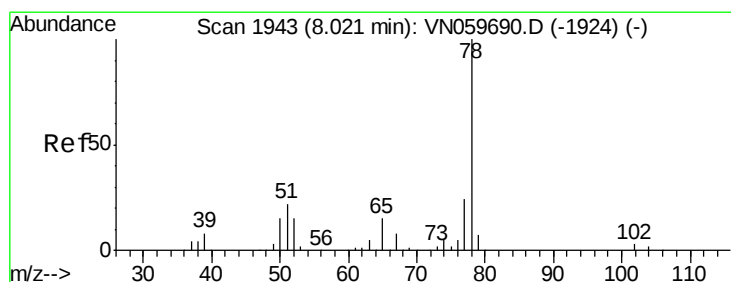
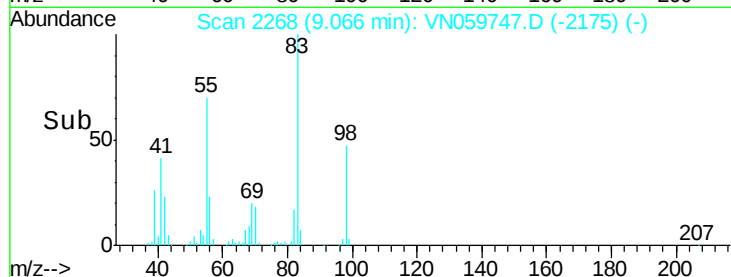
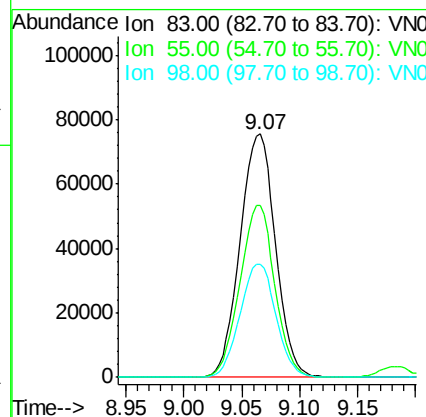
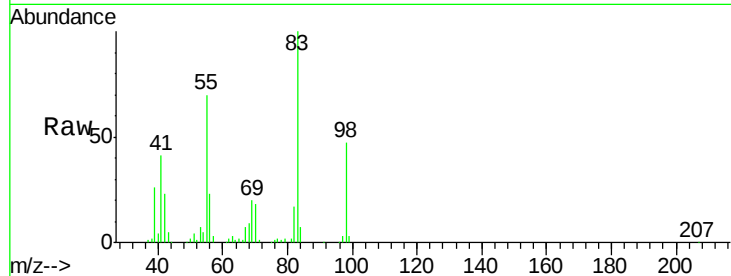
#39  
Methvlcvclohexane  
Concen: 48.918 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.5  | 64.2  | 96.2  |
| 98      | 46.6  | 35.9  | 53.9  |

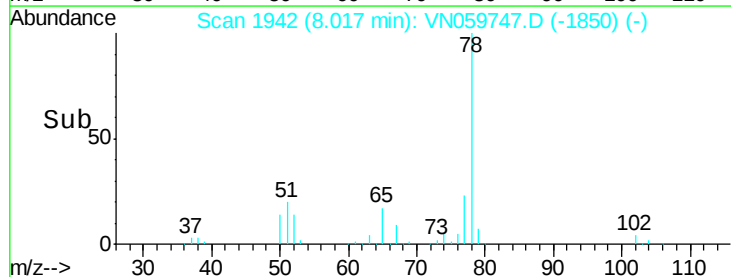
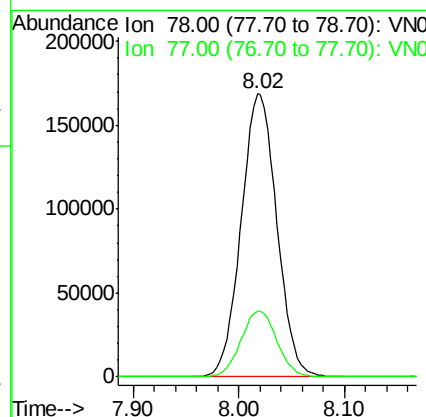
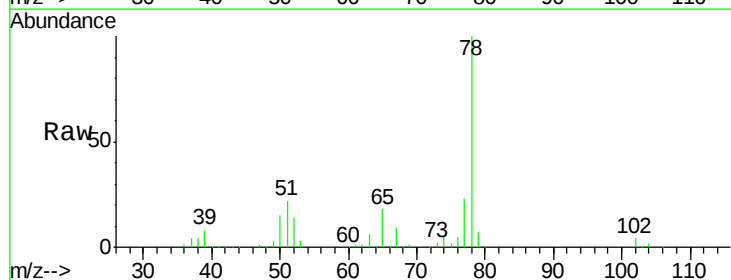
Manual Integrations  
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1/17/2020 1:52:38 PM



#40  
Benzene  
Concen: 49.838 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 18.9  | 28.3  |





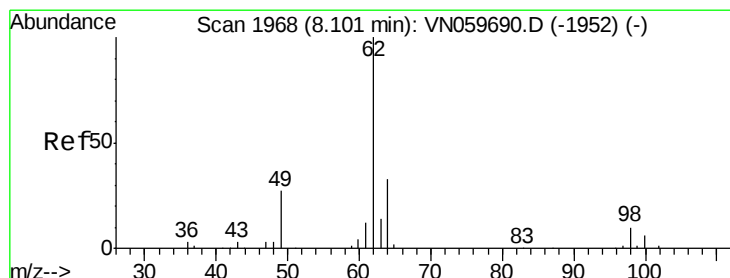
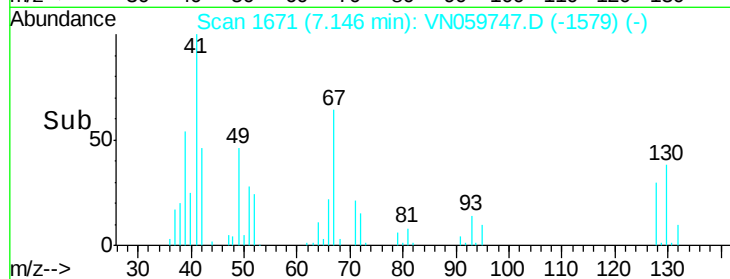
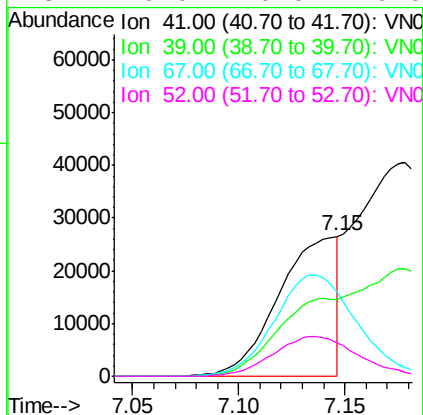
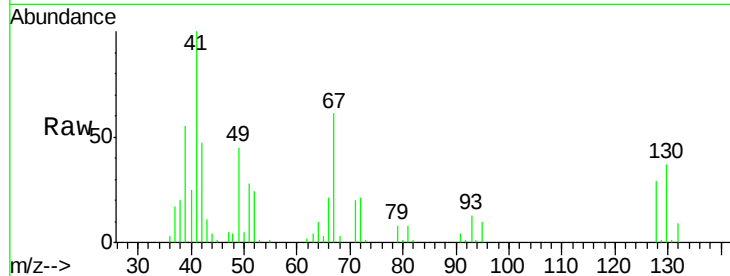
#41  
Methacrylonitrile  
Concen: 41.361 ug/l m  
RT: 7.15 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 41    | Resp  | 50952 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 179.5 | 0.0   | 0.0#  |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

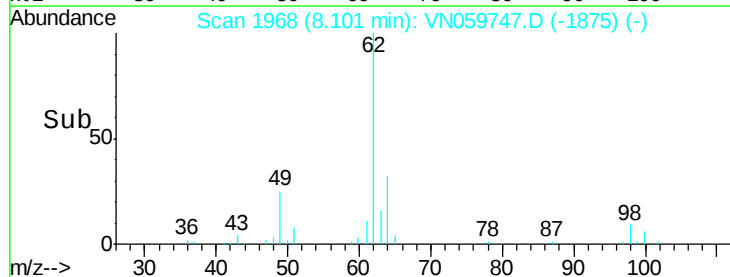
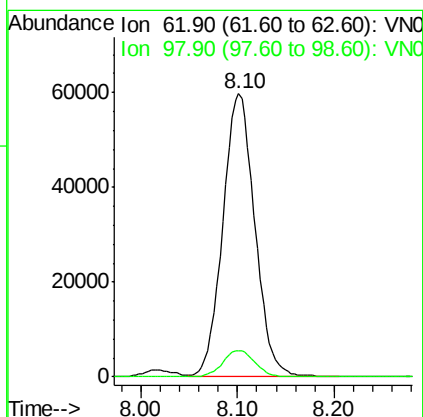
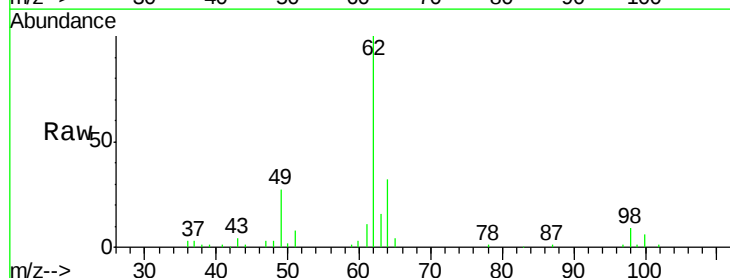
Manual Integrations  
APPROVED

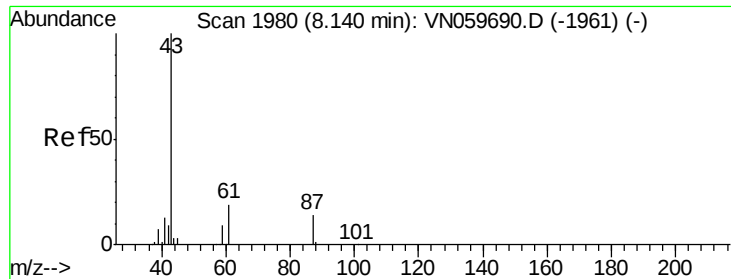
MMDadoda  
1/17/2020 1:52:38 PM



#42  
1,2-Dichloroethane  
Concen: 50.987 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | 62    | Resp  | 137479 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 9.3   | 0.0   | 15.8   |





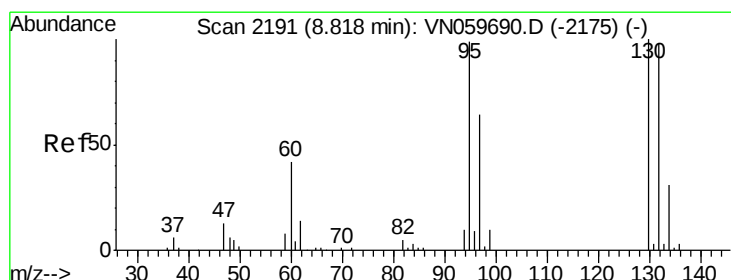
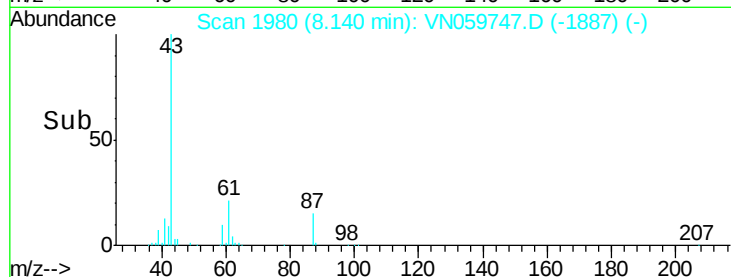
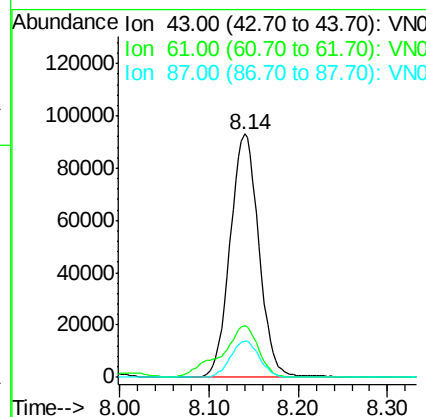
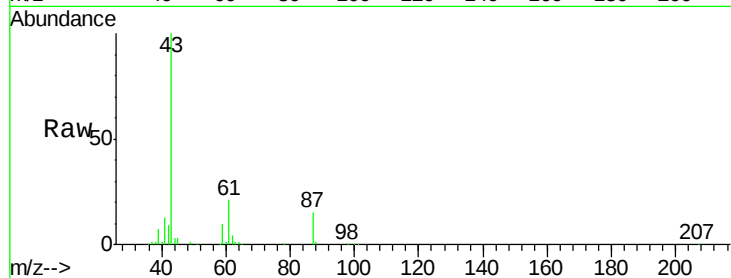
#43  
Isopropyl Acetate  
Concen: 47.909 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 27.6  | 20.2  | 30.2  |
| 87      | 15.1  | 9.5   | 14.3  |

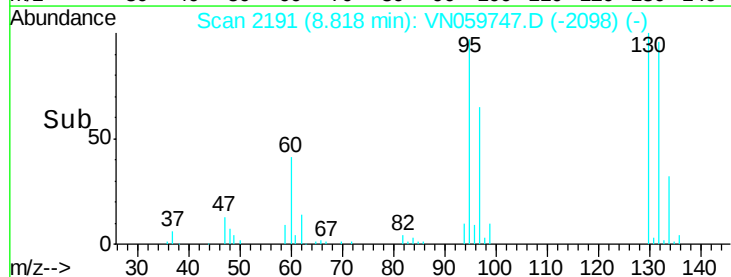
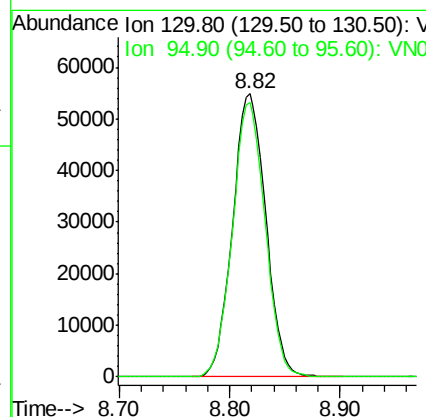
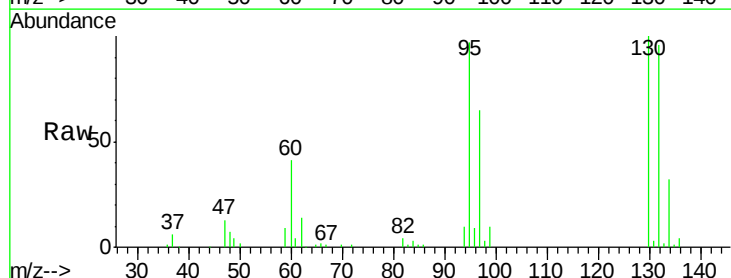
Manual Integrations  
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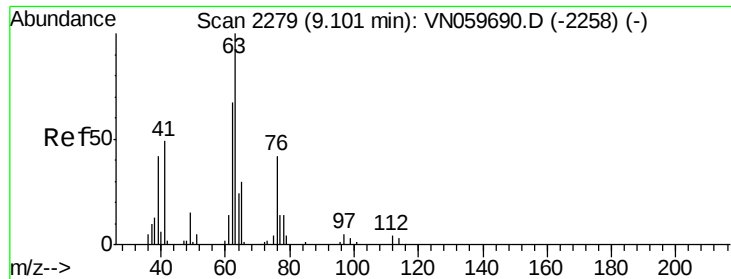
MMDadoda  
1/17/2020 1:52:38 PM



#44  
Trichloroethene  
Concen: 52.669 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 96.9  | 0.0   | 207.0 |





#45

1,2-Dichloropropane

Concen: 50.903 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 100172

Ion Ratio Lower Upper

63 100

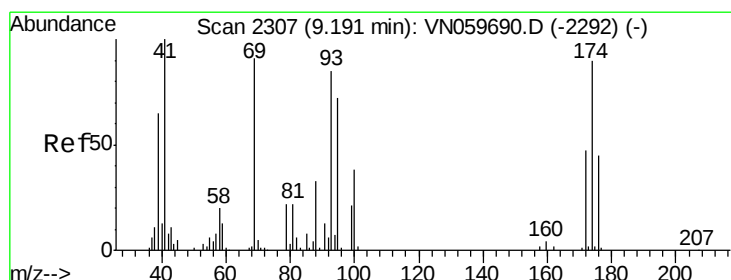
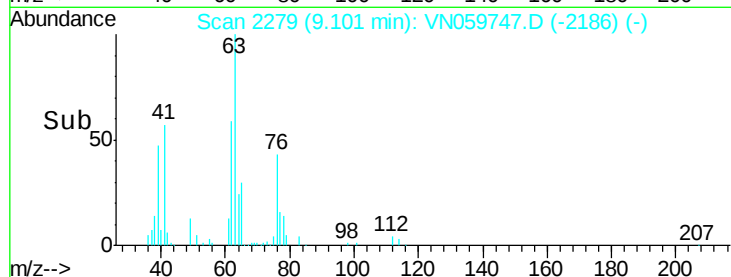
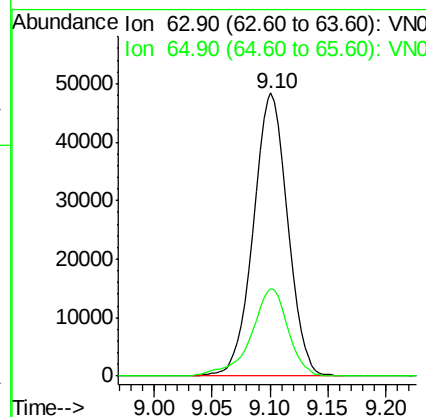
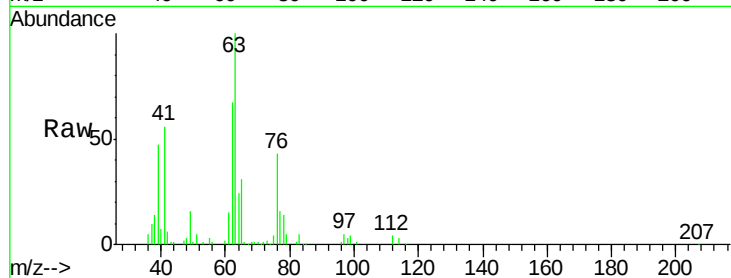
65 31.0 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 51.168 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

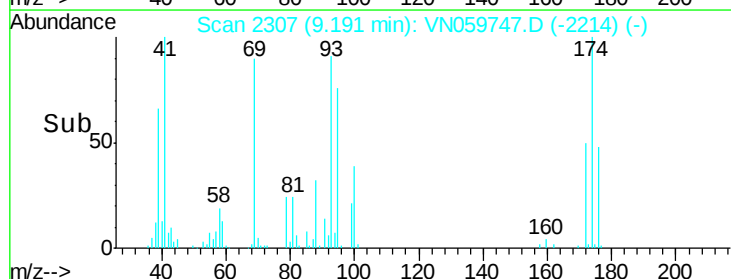
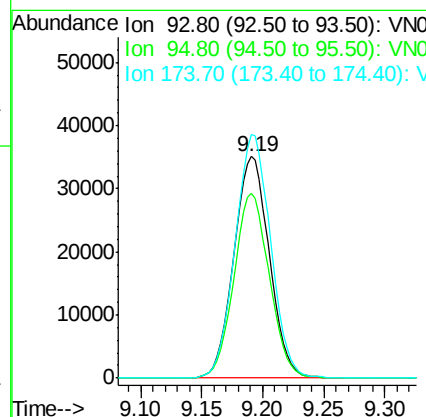
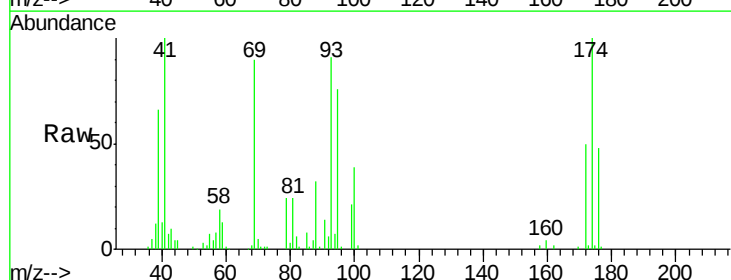
Tgt Ion: 93 Resp: 71030

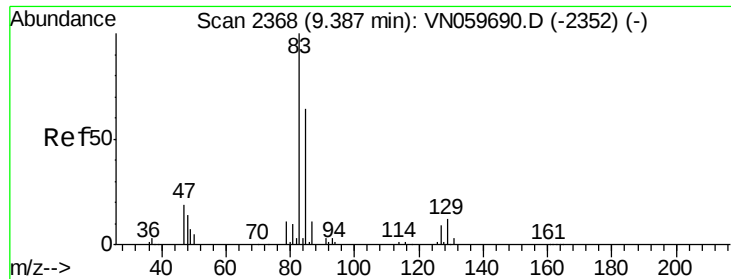
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.6

174 109.5 73.4 110.2





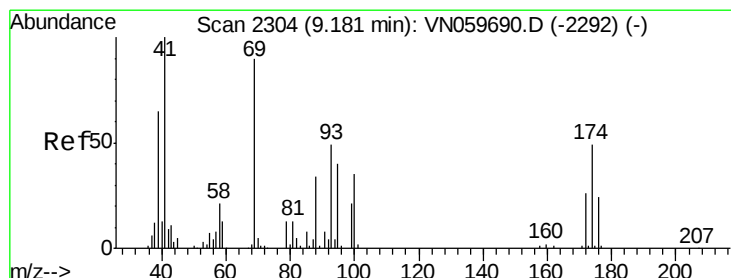
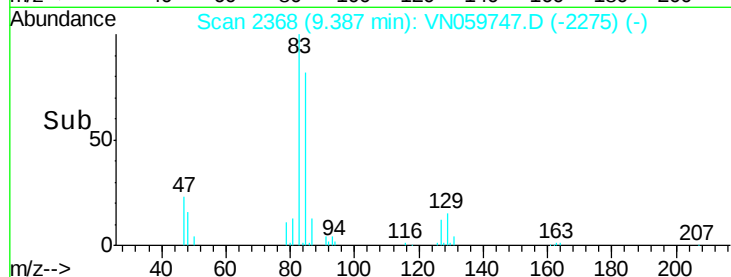
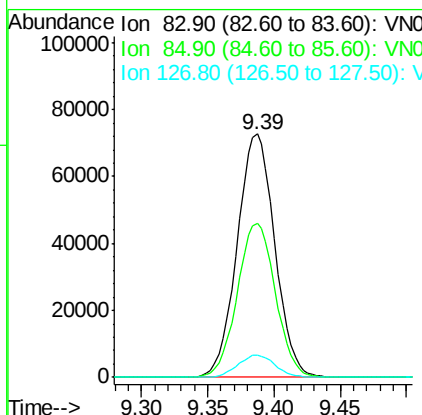
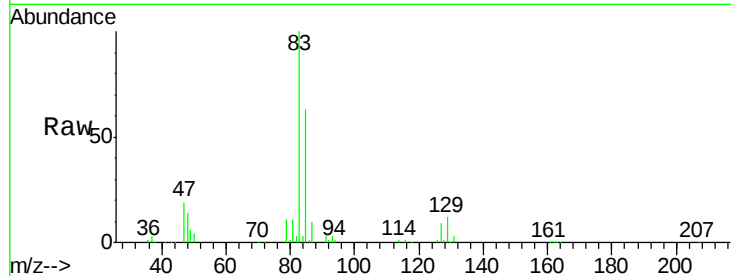
#47  
Bromodichloromethane  
Concen: 51.135 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83   | Resp | 143044 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| 85        | 63.4 | 51.1 | 76.7   |
| 127       | 9.0  | 6.6  | 9.8    |

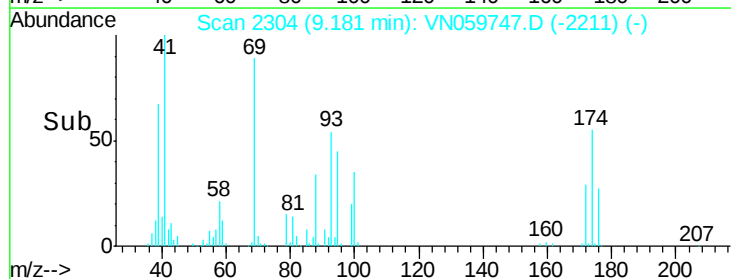
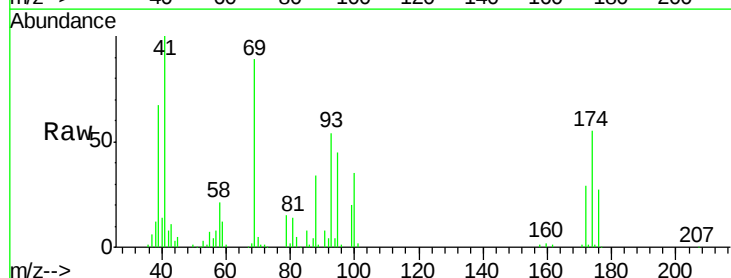
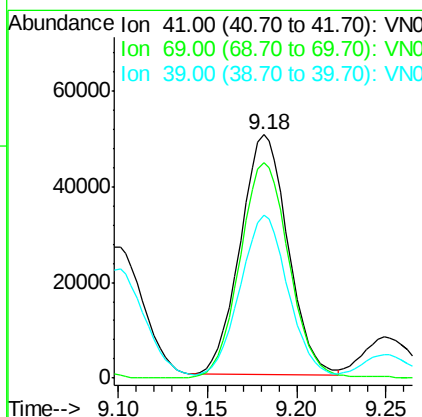
Manual Integrations  
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1/17/2020 1:52:38 PM



#48  
Methyl methacrylate  
Concen: 48.705 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion   | 41   | Resp | 93718 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 69        | 92.8 | 64.4 | 96.6  |
| 39        | 68.8 | 51.3 | 76.9  |





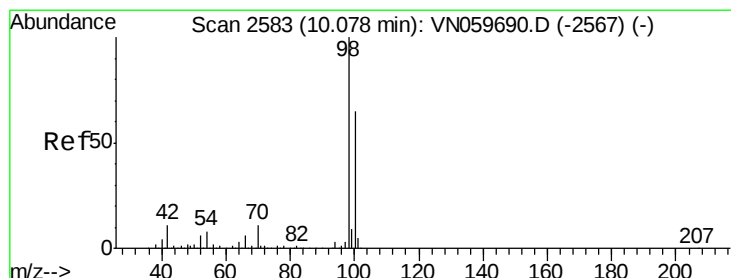
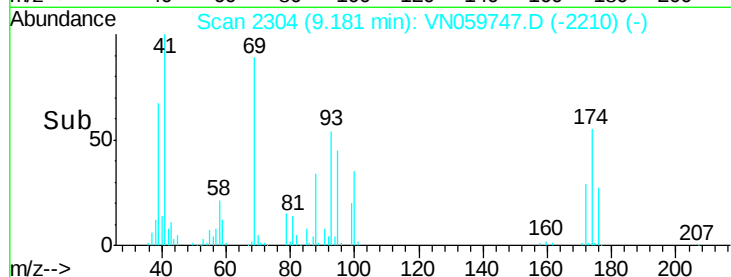
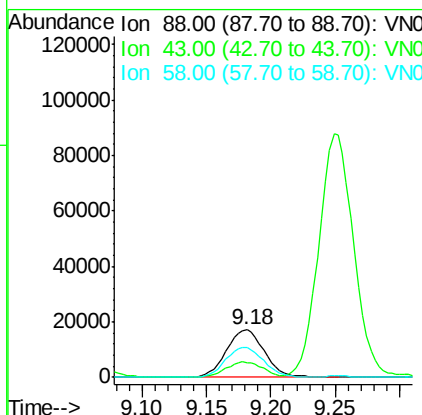
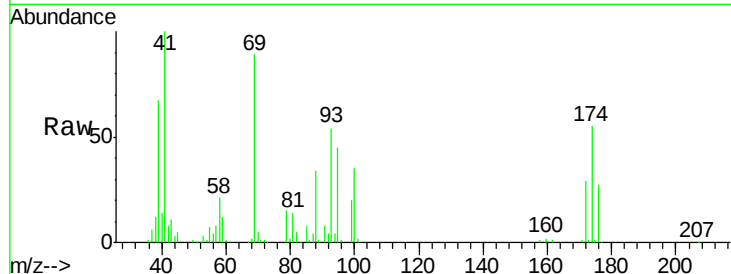
#49  
1,4-Dioxane  
Concen: 1002.466 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 35312 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 29.8  | 29.7  | 44.5  |
| 58      | 63.3  | 56.6  | 85.0  |

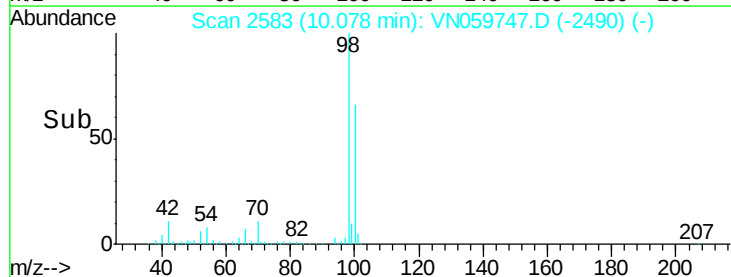
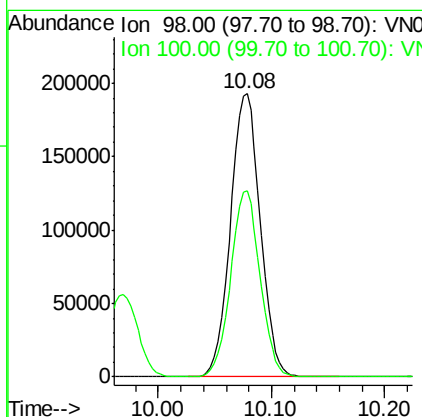
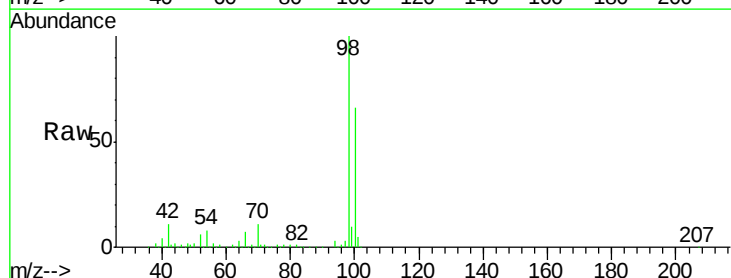
Manual Integrations  
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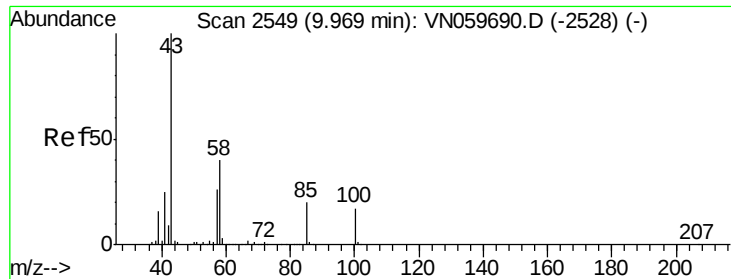
MMDadoda  
1/17/2020 1:52:38 PM



#50  
Toluene-d8  
Concen: 49.953 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | 98    | Resp  | 353417 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.6  | 51.2  | 76.8   |





#51

4-Methyl-2-Pentanone

Concen: 243.098 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 604524

Ion Ratio Lower Upper

43 100

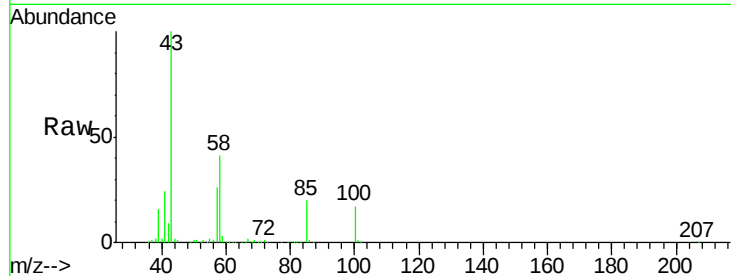
58 40.7 29.8 44.8

Manual Integrations

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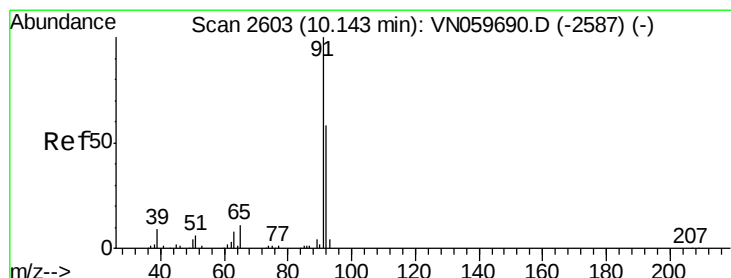
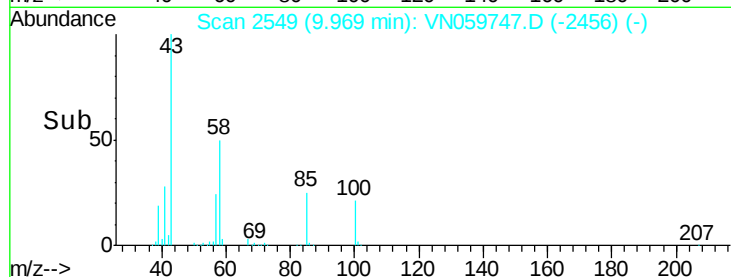
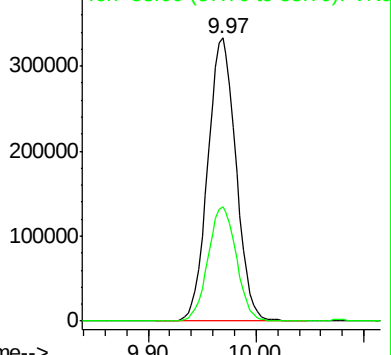
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.897 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059747.D

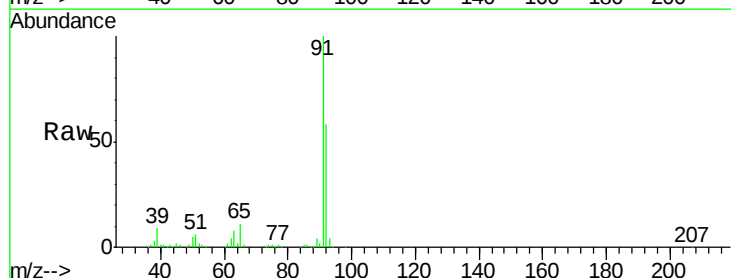
Acq: 16 Jan 2020 21:09

Tgt Ion: 92 Resp: 255671

Ion Ratio Lower Upper

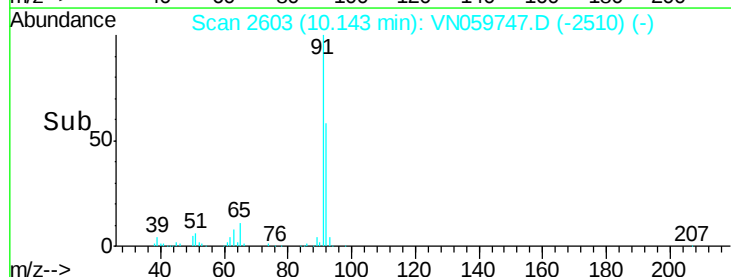
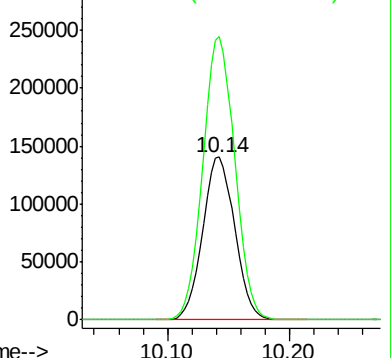
92 100

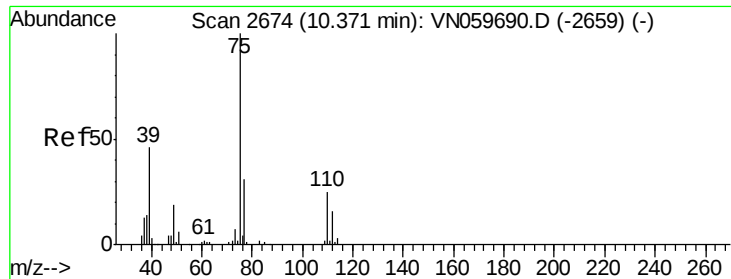
91 173.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





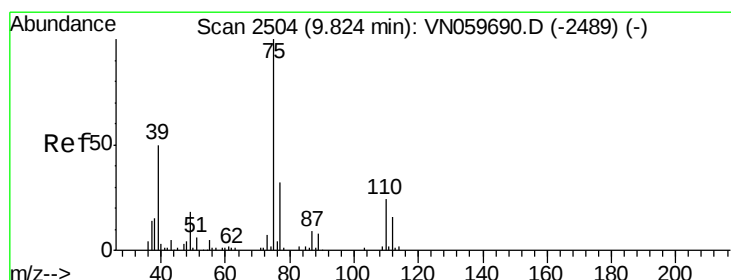
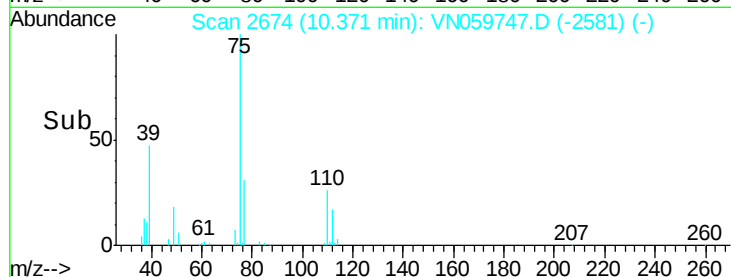
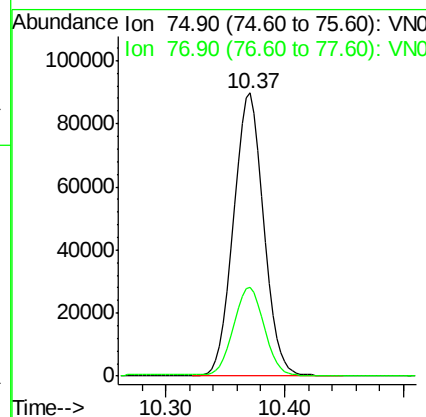
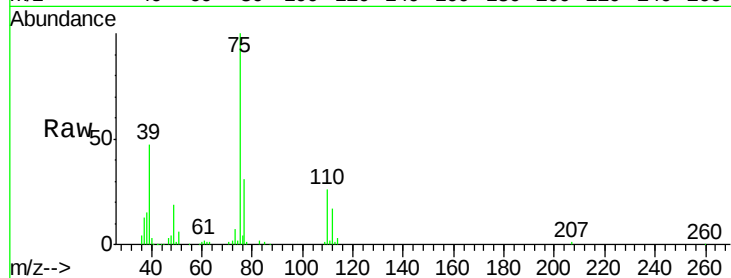
#53  
t-1,3-Dichloropropene  
Concen: 50.500 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 75    | Resp  | 157738 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.2  | 25.4  | 38.2   |

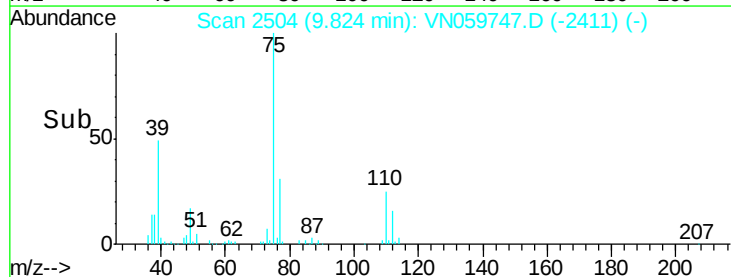
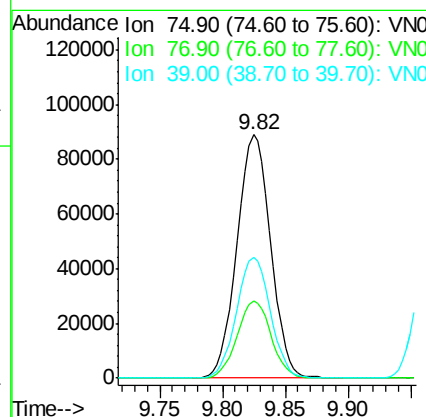
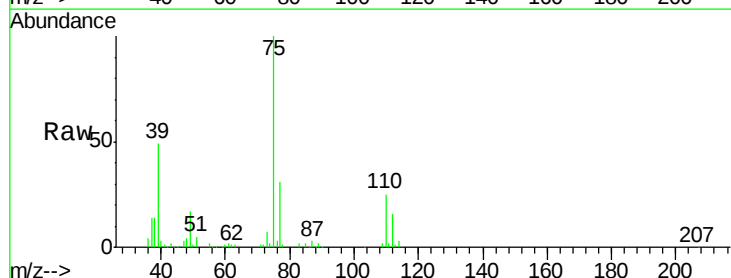
Manual Integrations  
APPROVED

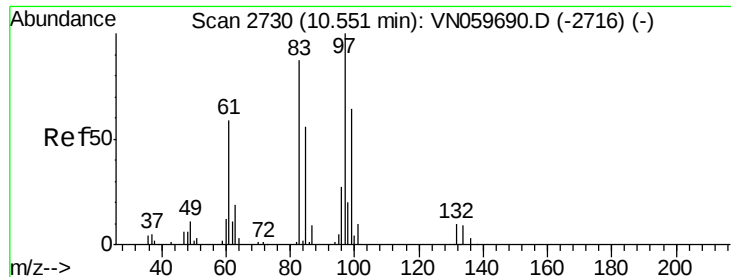
MMDadoda  
1/17/2020 1:52:38 PM



#54  
cis-1,3-Dichloropropene  
Concen: 50.552 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion   | 75    | Resp  | 166140 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.5  | 25.1  | 37.7   |
| 39        | 49.4  | 46.1  | 69.1   |





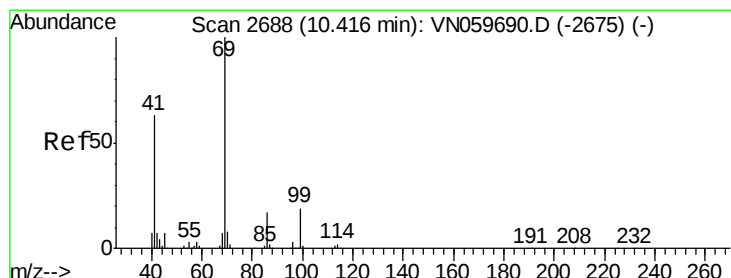
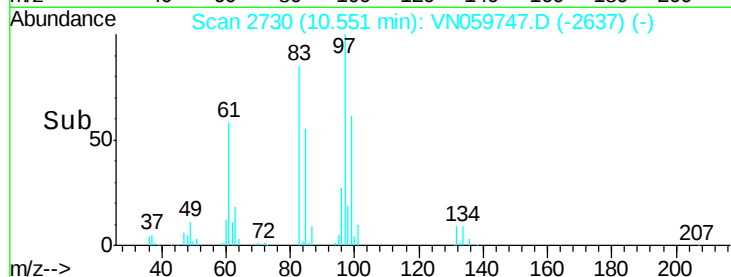
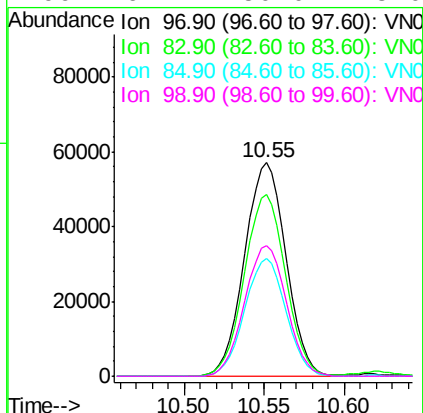
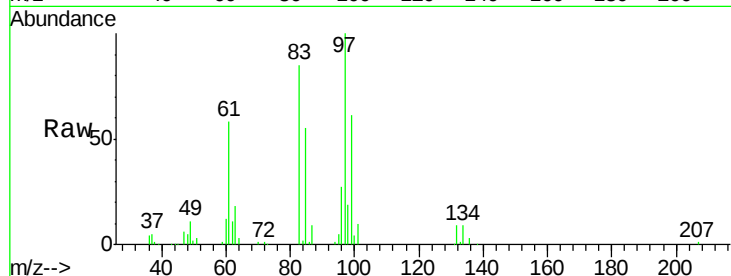
#55  
 1,1,2-Trichloroethane  
 Concen: 51.042 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 101548 |       |       |
| 83      | 85.0 | 71.3  | 106.9  |       |       |
| 85      | 55.1 | 45.8  | 68.8   |       |       |
| 99      | 61.2 | 50.0  | 75.0   |       |       |

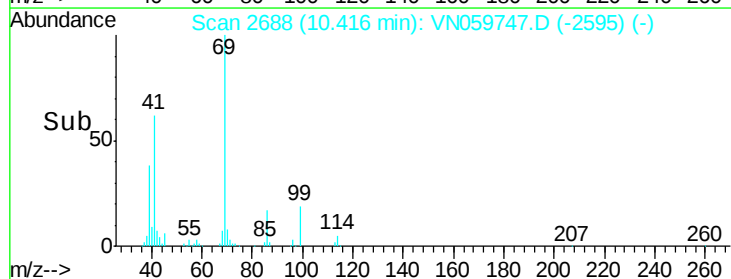
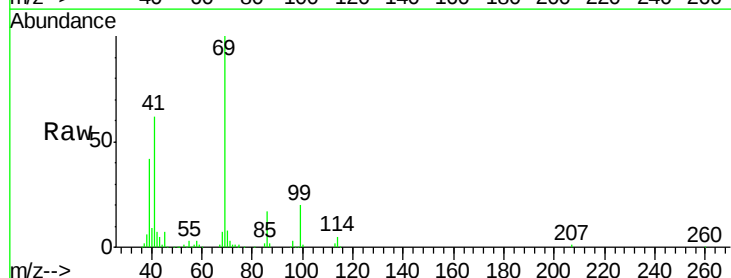
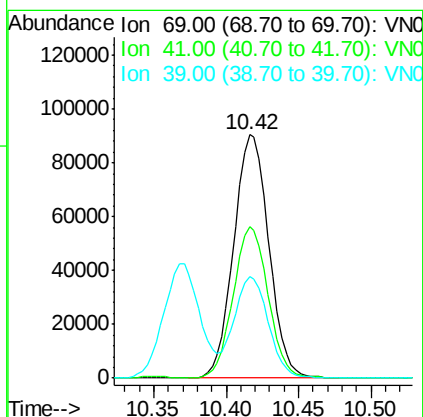
Manual Integrations  
 APPROVED

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 1/17/2020 1:52:38 PM



#56  
 Ethyl methacrylate  
 Concen: 50.165 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 152499 |       |       |
| 41      | 60.9 | 57.1  | 85.7   |       |       |
| 39      | 40.9 | 34.7  | 52.1   |       |       |





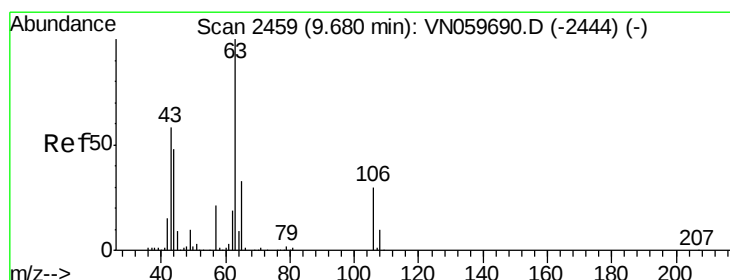
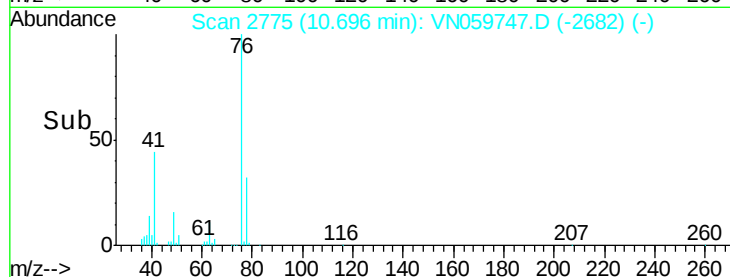
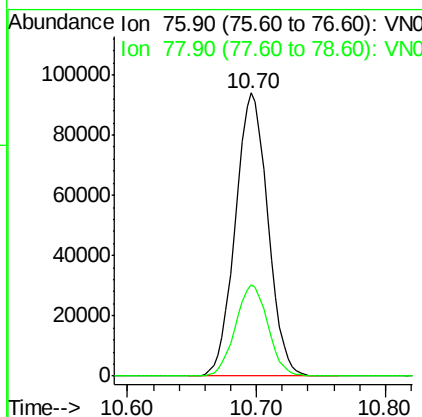
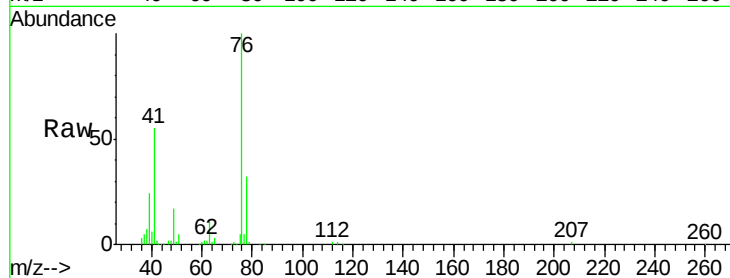
#57  
 1,3-Dichloropropane  
 Concen: 52.057 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.3  | 25.8  | 38.8  |

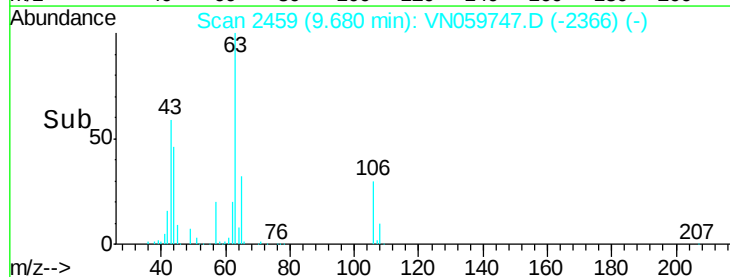
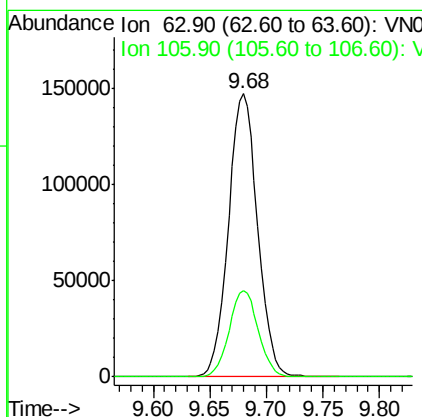
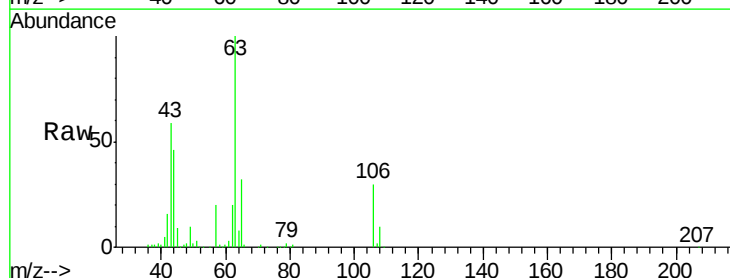
Manual Integrations  
 APPROVED

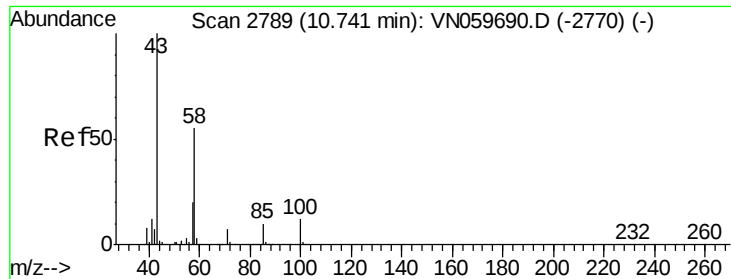
MMDadoda  
 1/17/2020 1:52:38 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 288.472 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 30.4  | 20.2  | 30.2# |





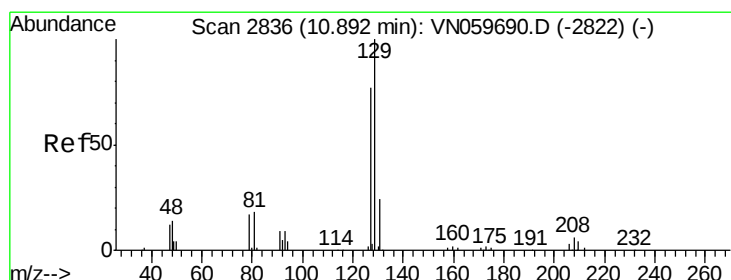
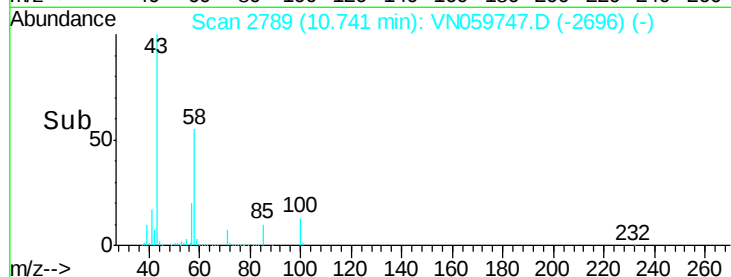
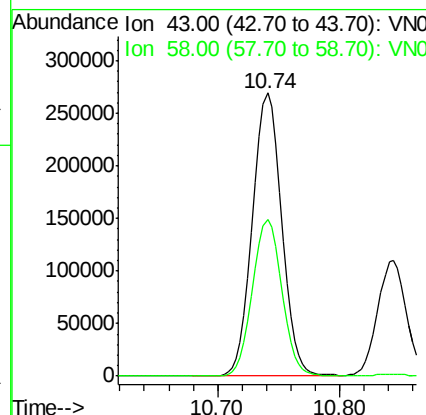
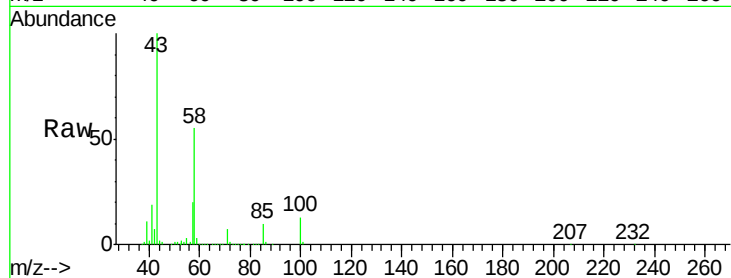
#59  
2-Hexanone  
Concen: 241.855 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 443079  
Ion Ratio Lower Upper  
43 100  
58 55.8 25.8 77.3

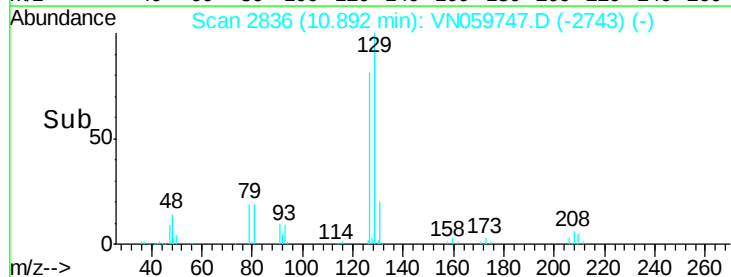
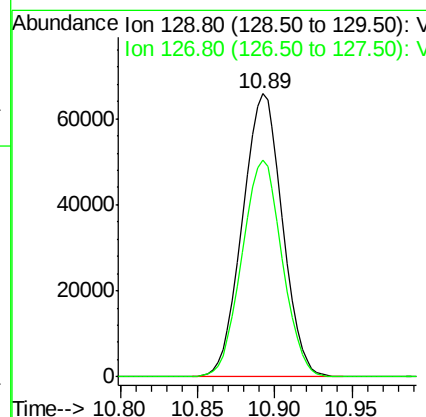
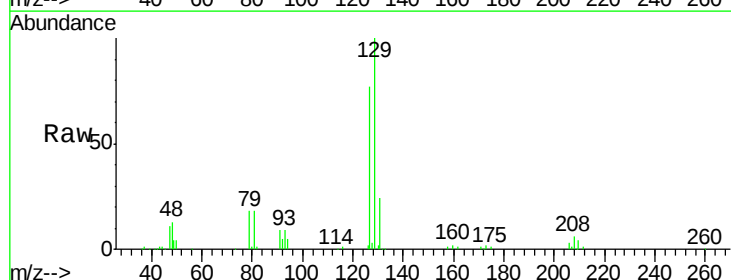
Manual Integrations  
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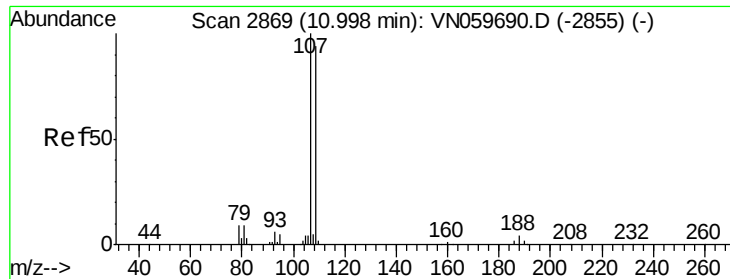
MMDadoda  
1/17/2020 1:52:38 PM



#60  
Dibromochloromethane  
Concen: 52.247 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Tgt Ion: 129 Resp: 118370  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.5 115.5





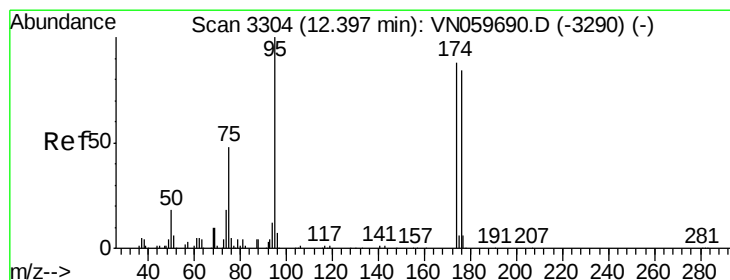
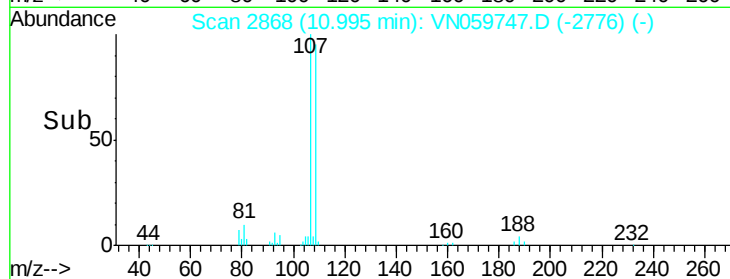
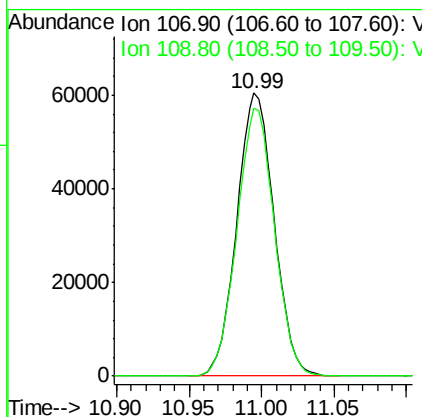
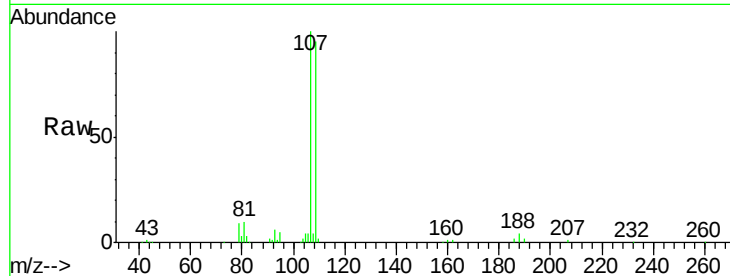
#61  
 1,2-Dibromoethane  
 Concen: 51.863 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.1  | 76.6  | 115.0 |

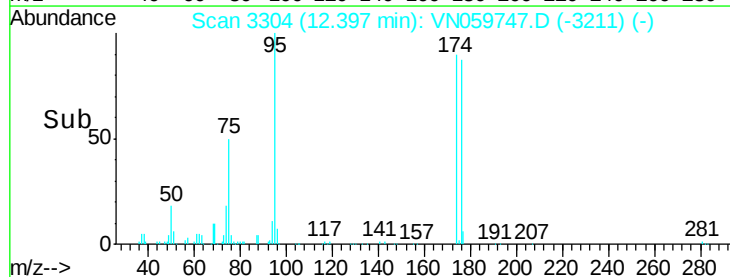
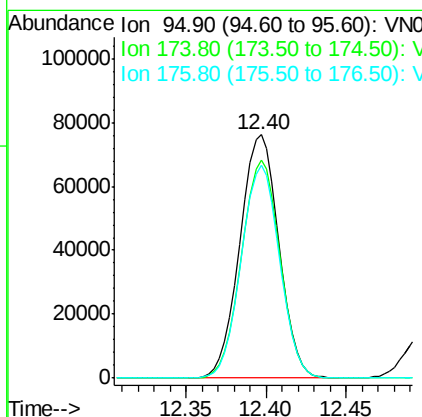
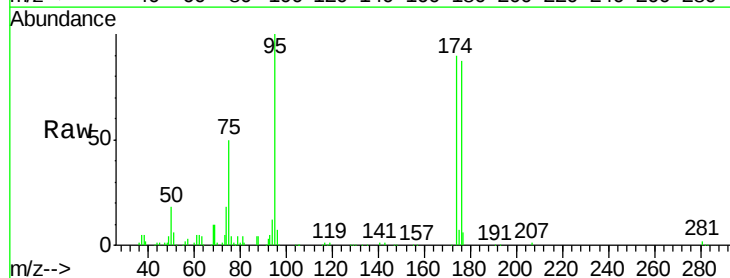
Manual Integrations  
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 1/17/2020 1:52:38 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.460 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 88.5  | 0.0   | 151.4 |
| 176     | 86.2  | 0.0   | 146.0 |





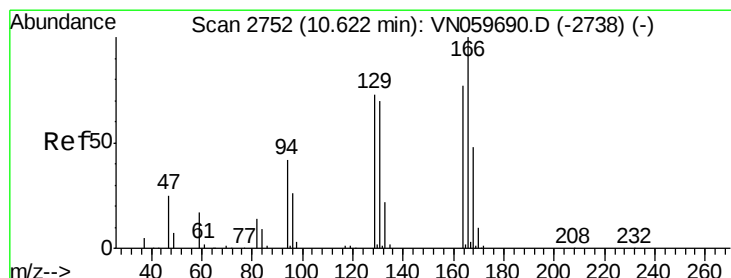
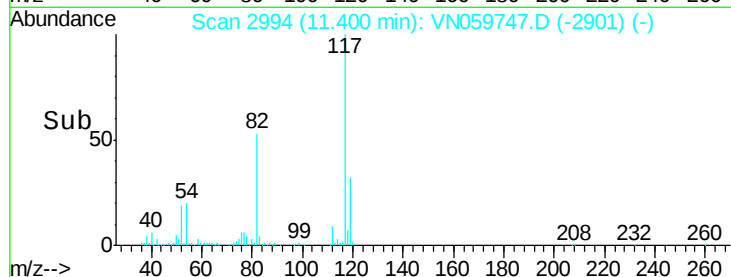
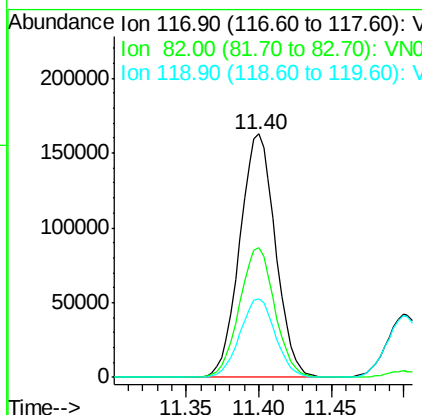
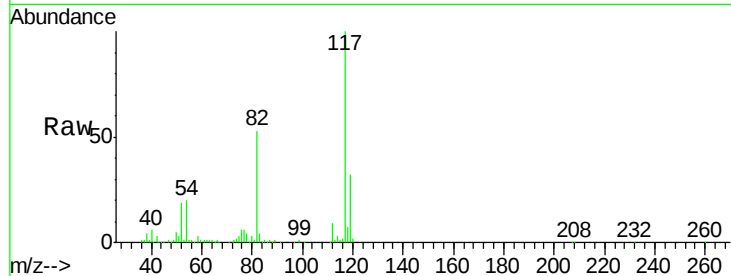
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 278162 |       |       |
| 82      | 53.1  |        | 45.9  | 68.9  |
| 119     | 32.5  |        | 25.5  | 38.3  |

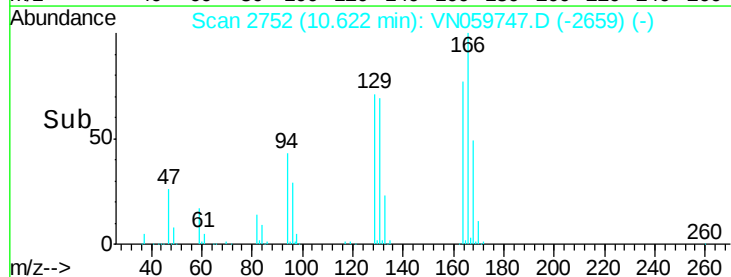
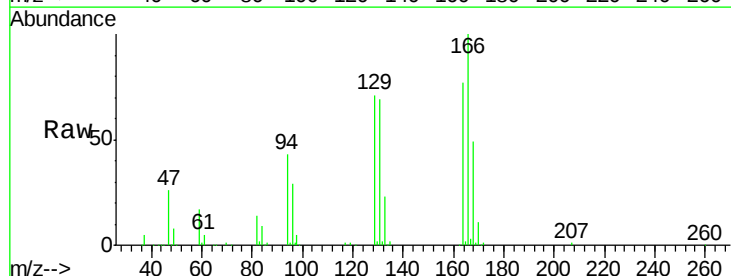
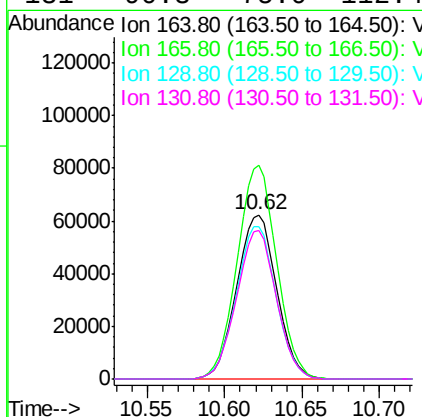
Manual Integrations  
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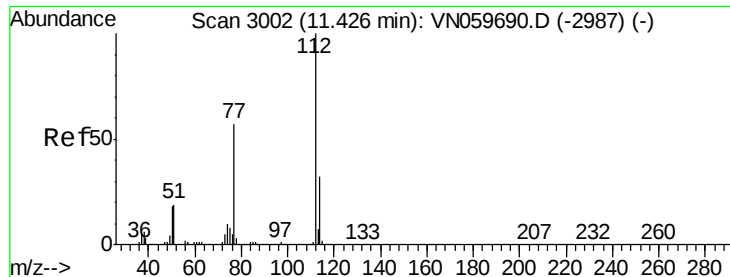
MMDadoda  
1/17/2020 1:52:38 PM



#64  
Tetrachloroethene  
Concen: 49.346 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 111869 |       |       |
| 166     | 130.2 |        | 101.4 | 152.0 |
| 129     | 92.9  |        | 80.2  | 120.4 |
| 131     | 90.3  |        | 75.0  | 112.4 |





#65

Chlorobenzene

Concen: 50.887 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 278218

Ion Ratio Lower Upper

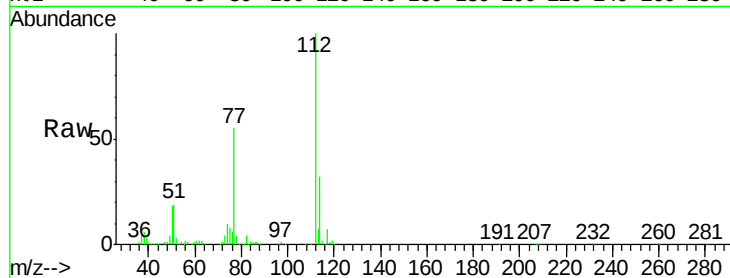
112 100

114 32.1 25.8 38.8

Manual Integrations  
APPROVED

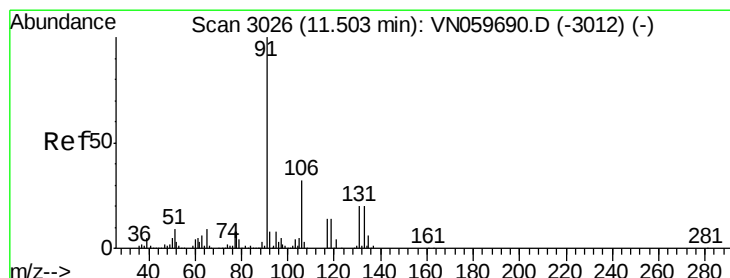
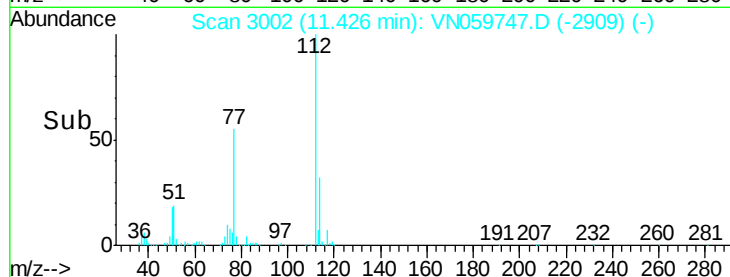
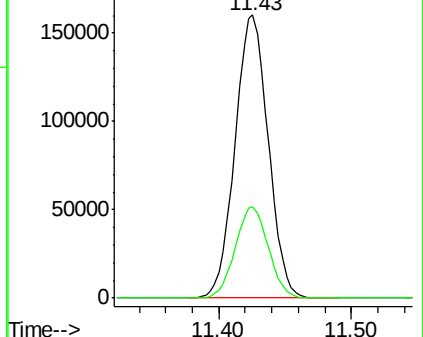
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.422 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

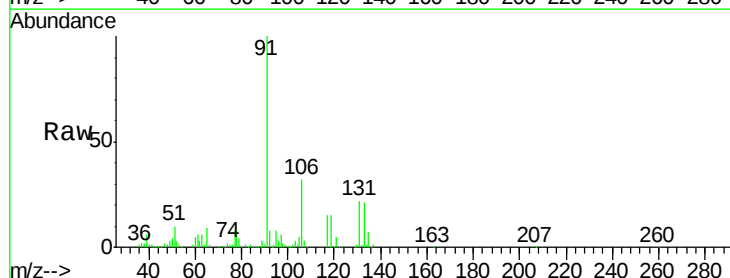
Tgt Ion:131 Resp: 108634

Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.2

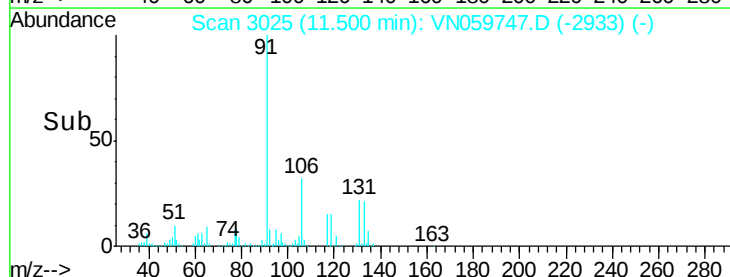
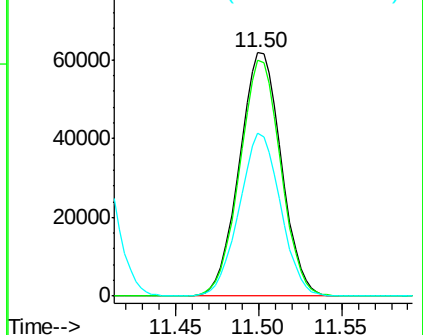
119 65.8 33.1 99.3



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





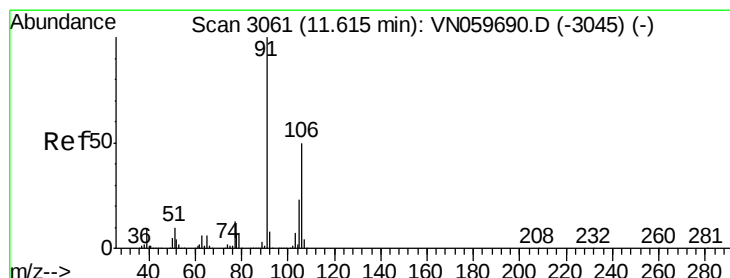
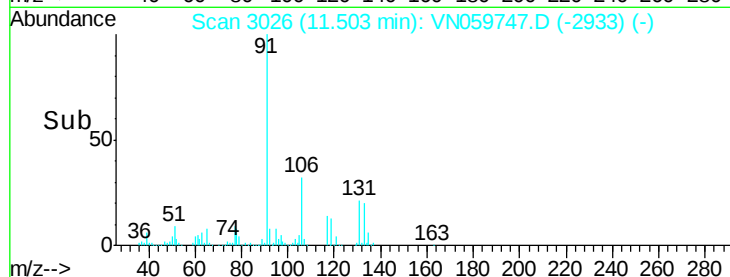
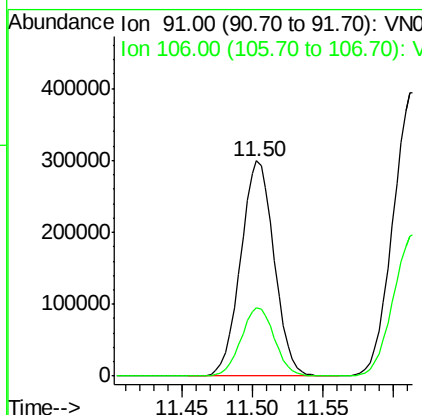
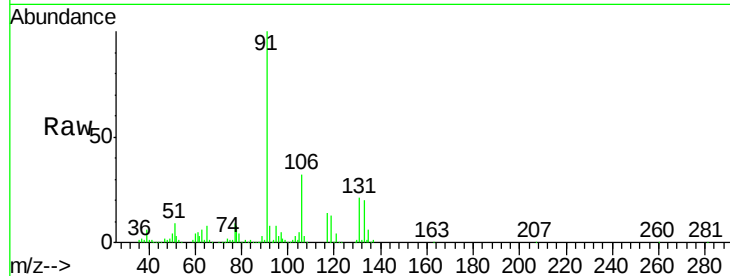
#67  
Ethyl Benzene  
Concen: 50.131 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 497548  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.1 36.1

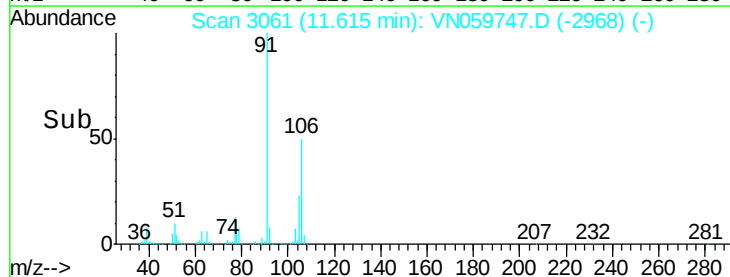
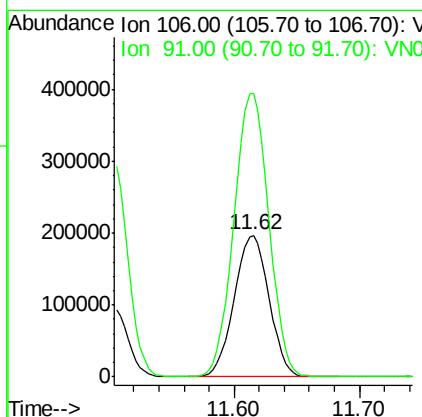
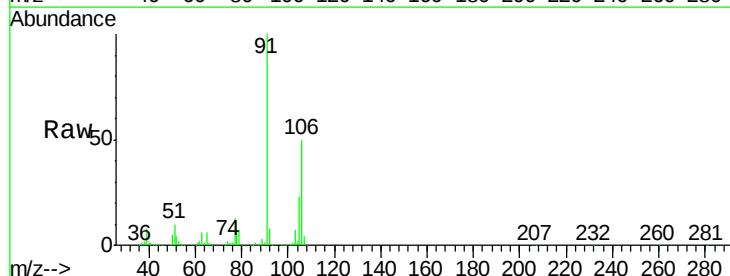
Manual Integrations  
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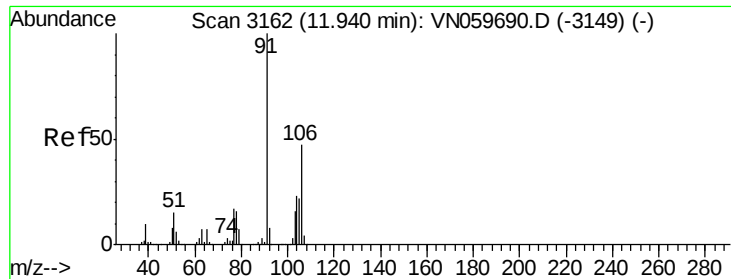
MMDadoda  
1/17/2020 1:52:38 PM



#68  
m/p-Xylenes  
Concen: 101.007 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Tgt Ion: 106 Resp: 378684  
Ion Ratio Lower Upper  
106 100  
91 200.9 167.9 251.9





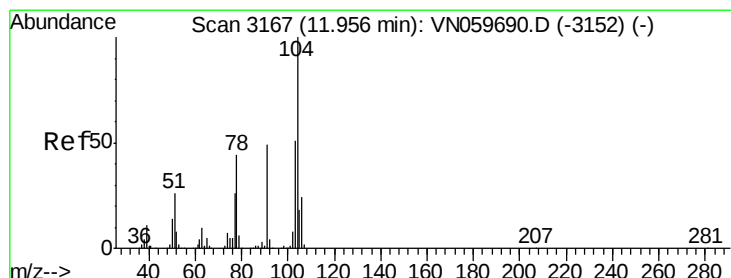
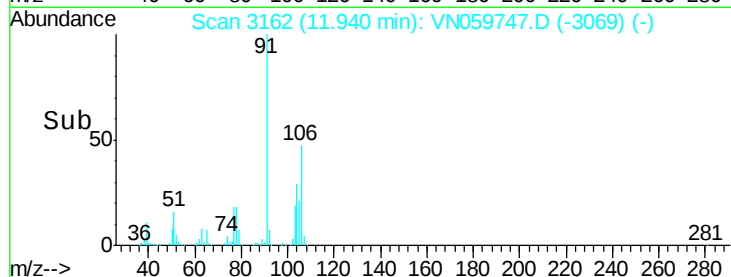
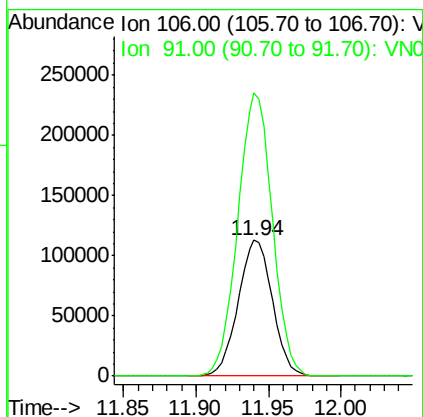
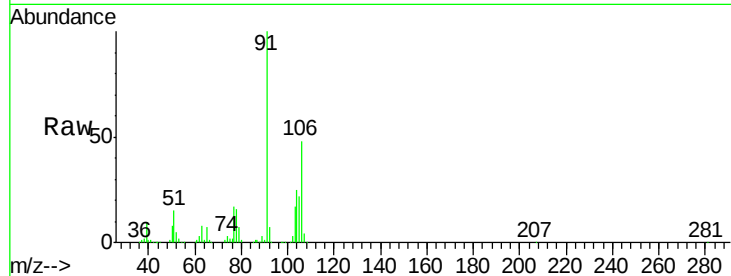
#69  
o-Xylene  
Concen: 50.381 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 210.4 | 110.3 | 330.9 |       |

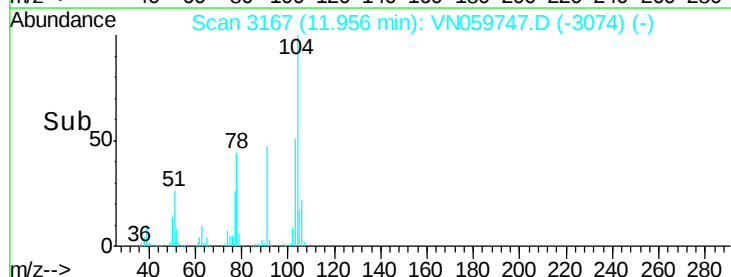
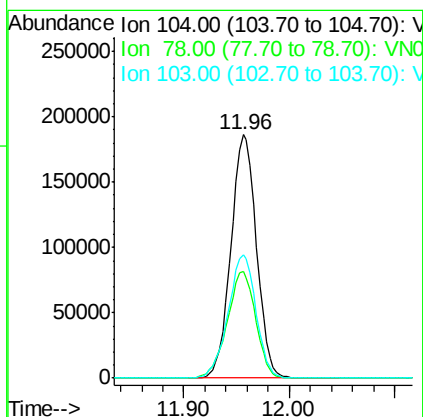
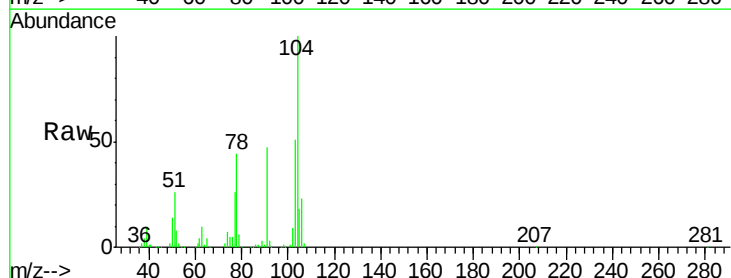
Manual Integrations  
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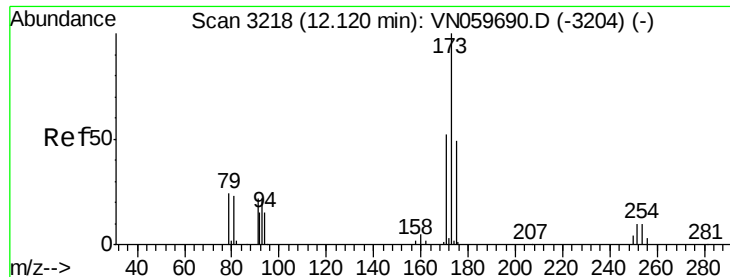
MMDadoda  
1/17/2020 1:52:38 PM



#70  
Styrene  
Concen: 50.830 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 48.6 | 42.4  | 63.6  |       |
| 103     | 55.1 | 43.9  | 65.9  |       |





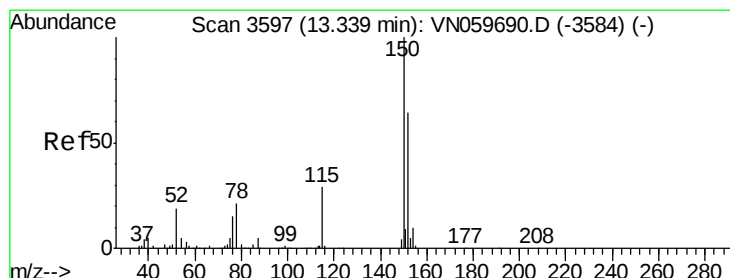
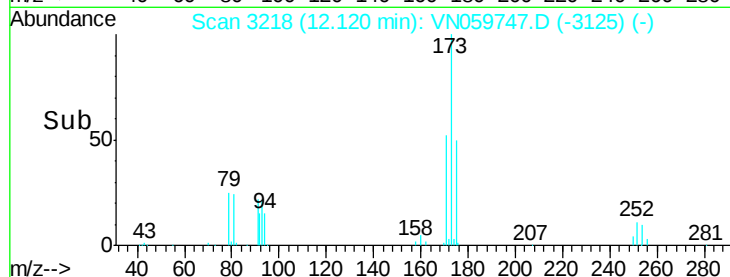
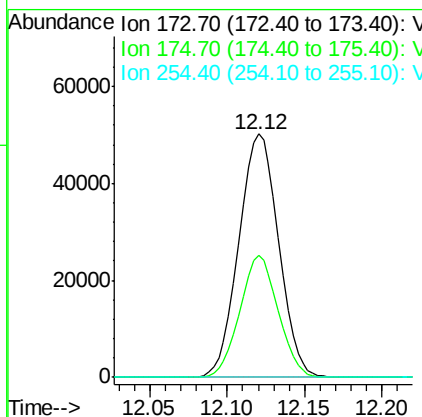
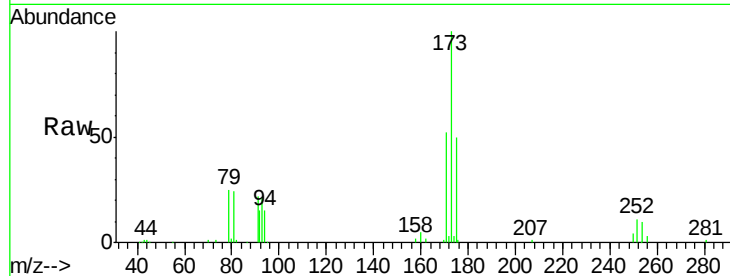
#71  
Bromoform  
Concen: 53.100 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.1  | 23.8  | 71.4  |
| 254     | 0.0   | 0.0   | 0.0   |

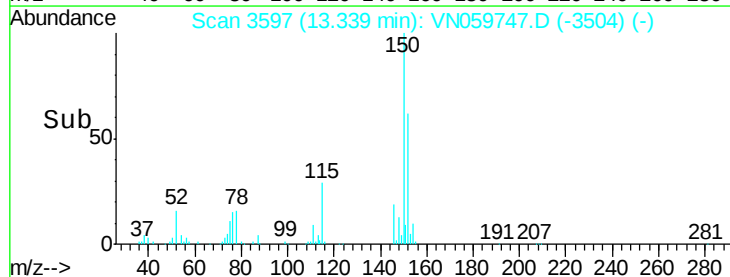
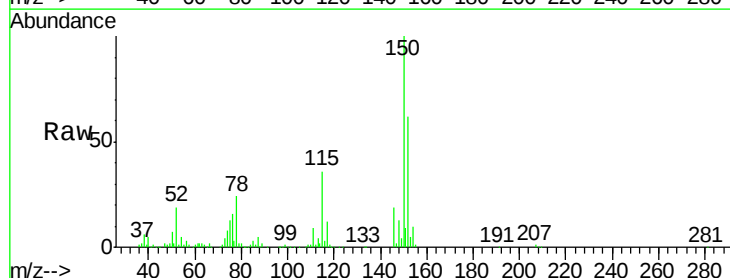
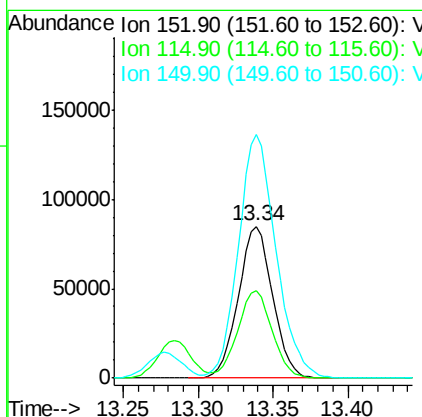
Manual Integrations  
APPROVED

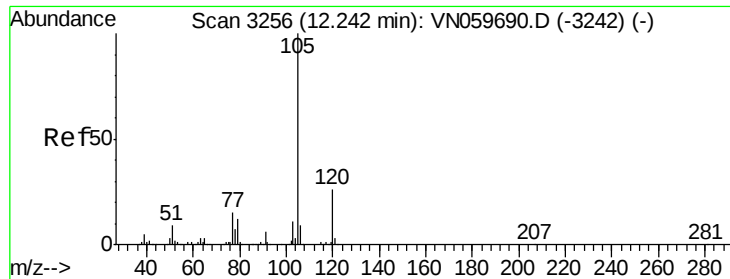
MMDadoda  
1/17/2020 1:52:38 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.0  | 30.3  | 90.9  |
| 150     | 176.2 | 0.0   | 345.2 |





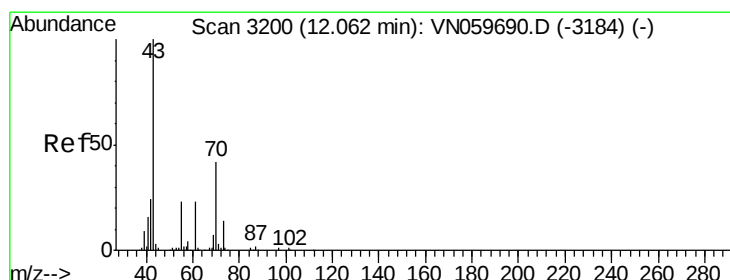
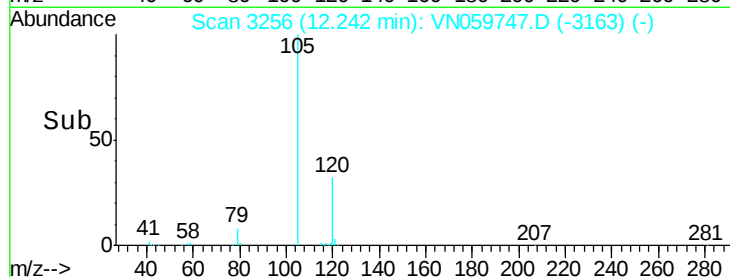
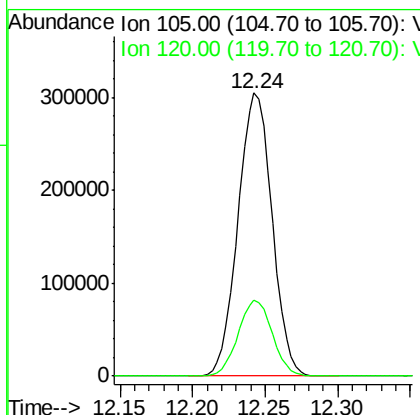
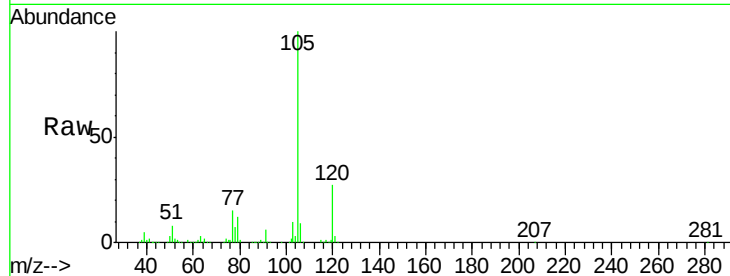
#73  
Isopropylbenzene  
Concen: 50.278 ug/l  
RT: 12.24 min Scan# 3256  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.8  | 13.2  | 39.5  |

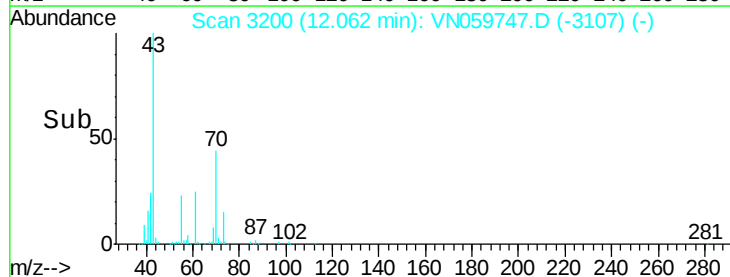
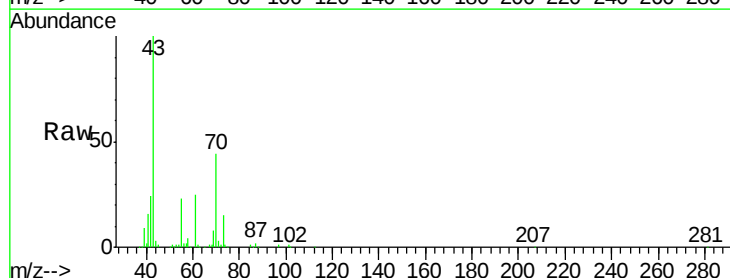
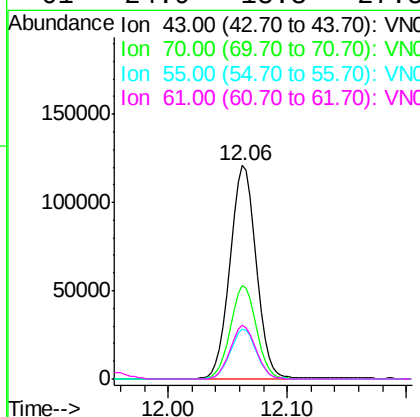
Manual Integrations  
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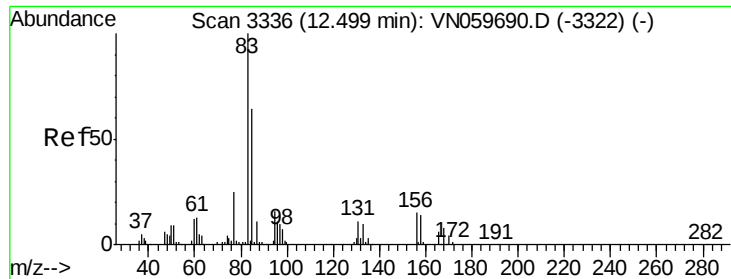
MMDadoda  
1/17/2020 1:52:38 PM



#74  
N-ethyl acetate  
Concen: 47.894 ug/l  
RT: 12.06 min Scan# 3200  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 43.6  | 31.3  | 46.9  |
| 55      | 23.3  | 19.8  | 29.6  |
| 61      | 24.9  | 18.3  | 27.5  |





#75

1,1,2,2-Tetrachloroethane

Concen: 49.360 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 141908

Ion Ratio Lower Upper

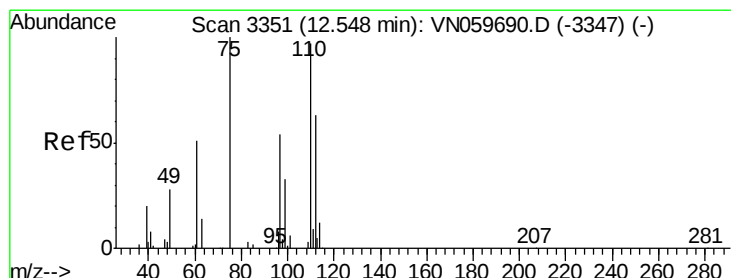
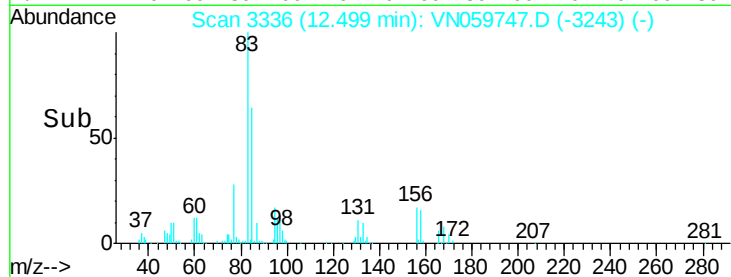
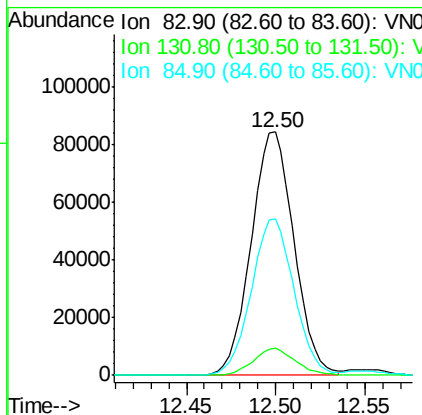
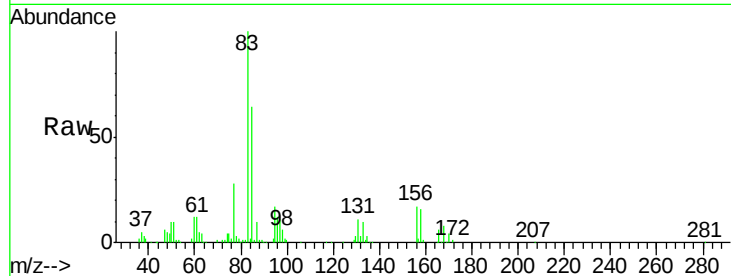
83 100

131 10.9 5.0 14.9

85 64.1 31.9 95.5

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 55.059 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059747.D

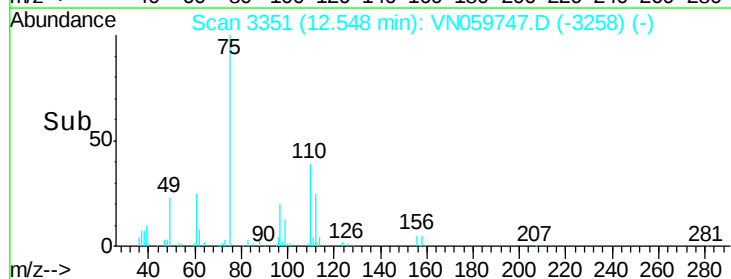
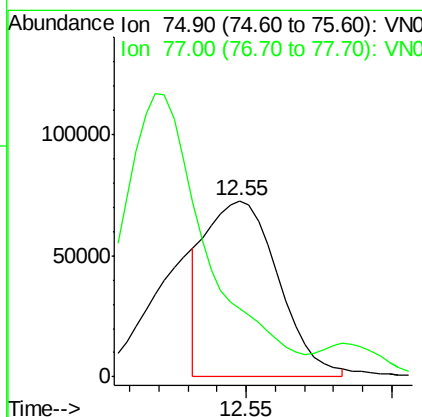
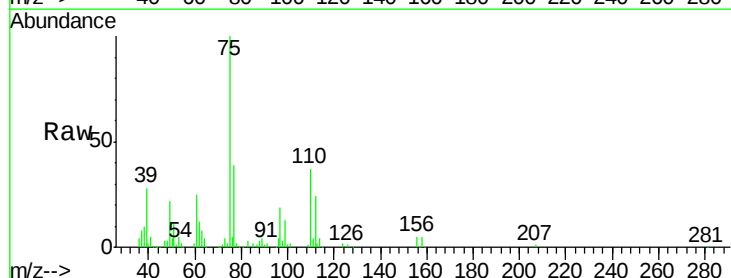
Acq: 16 Jan 2020 21:09

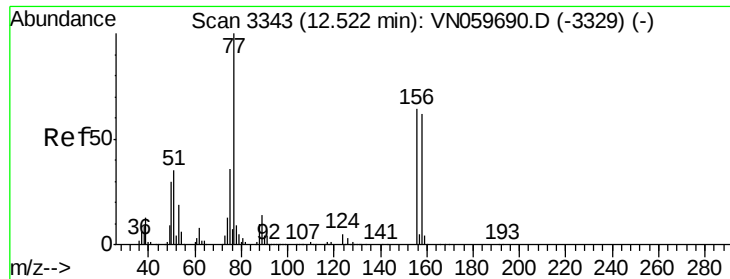
Tgt Ion: 75 Resp: 125295

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.738 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

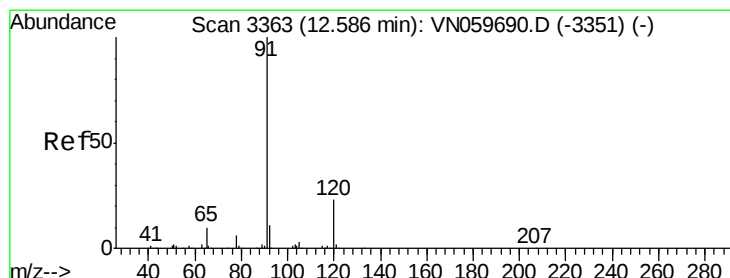
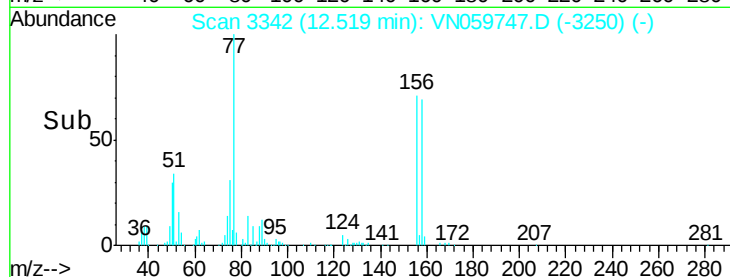
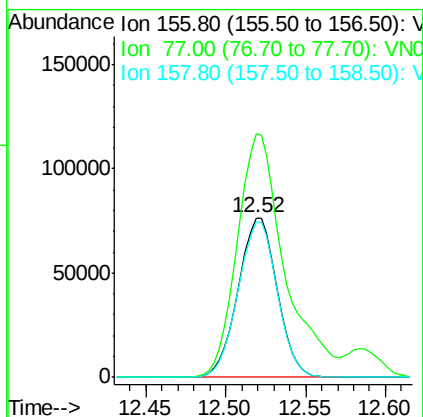
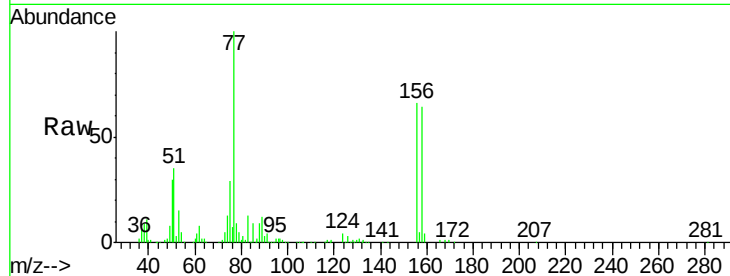
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 127425 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 186.2 | 115.8 | 347.4  |
| 158       | 98.0  | 49.2  | 147.6  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 49.880 ug/l

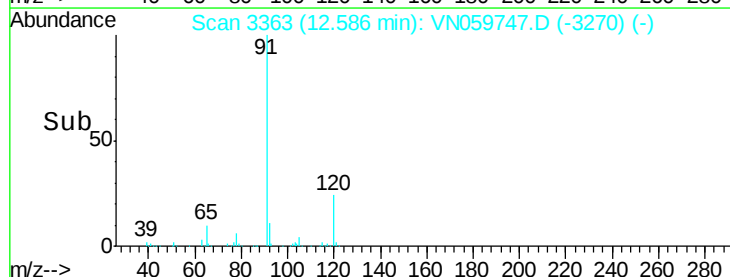
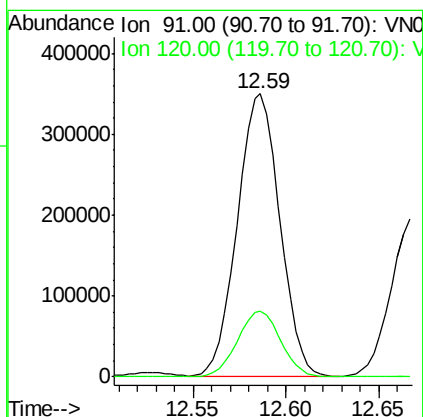
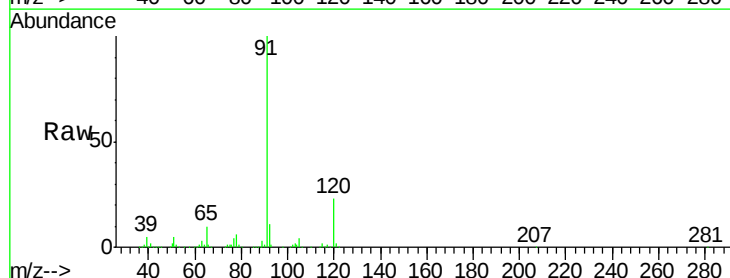
RT: 12.59 min Scan# 3363

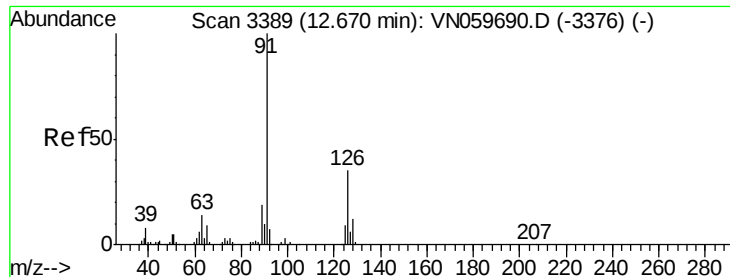
Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 555212 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.6  | 11.1  | 33.3   |





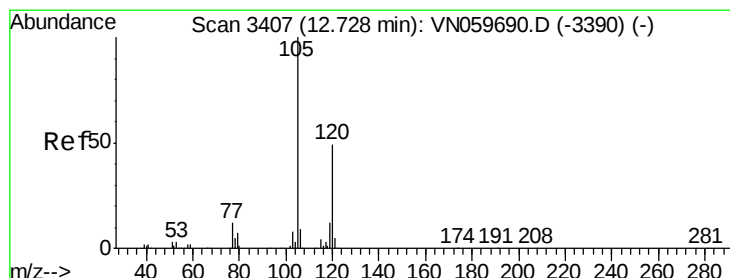
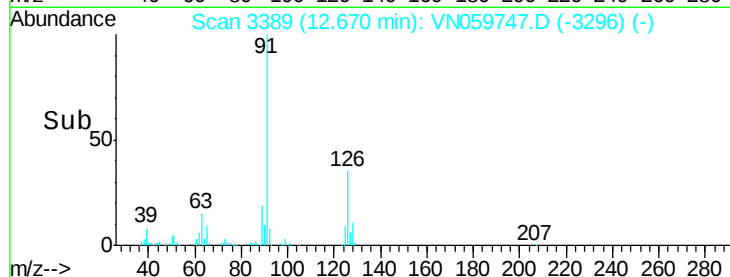
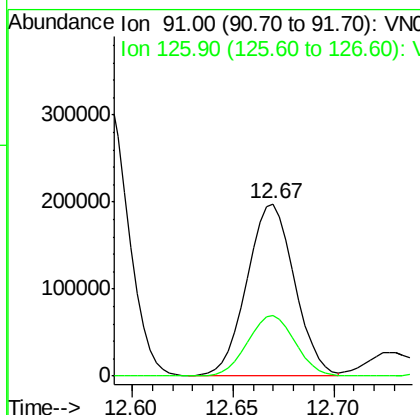
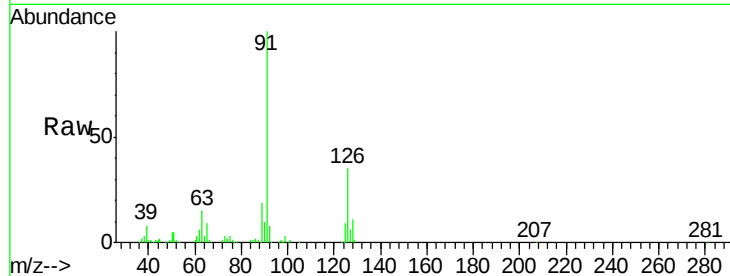
#79  
2-Chlorotoluene  
Concen: 49.216 ug/l  
RT: 12.67 min Scan# 3389  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 325901  
Ion Ratio Lower Upper  
91 100  
126 35.6 16.3 48.9

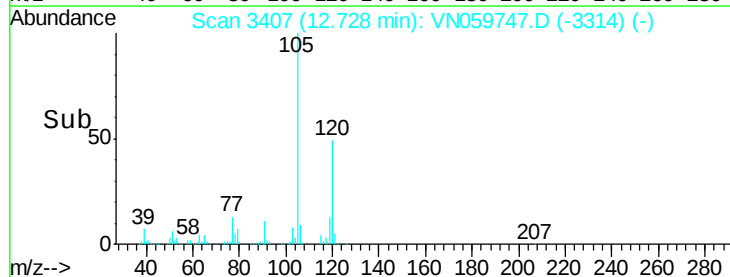
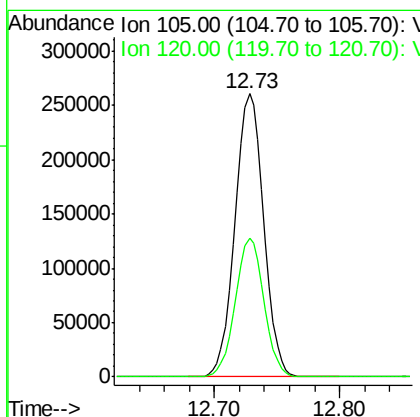
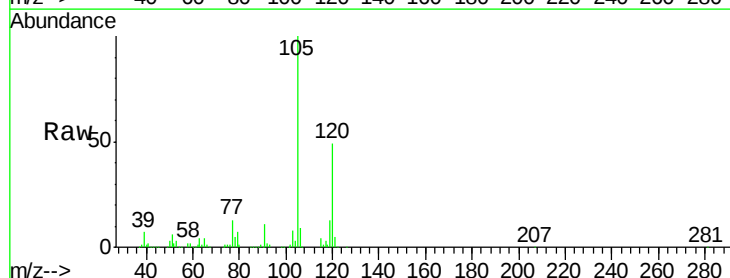
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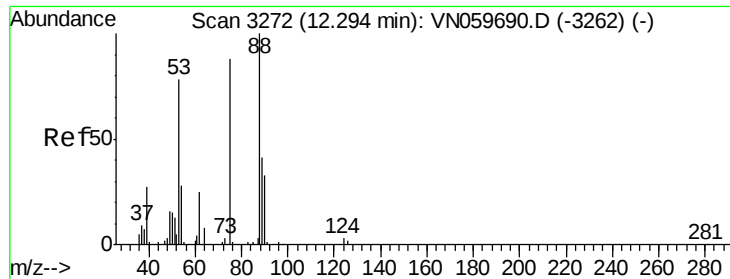
MMDadoda  
1/17/2020 1:52:38 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 49.649 ug/l  
RT: 12.73 min Scan# 3407  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Tgt Ion: 105 Resp: 414086  
Ion Ratio Lower Upper  
105 100  
120 48.7 24.1 72.4





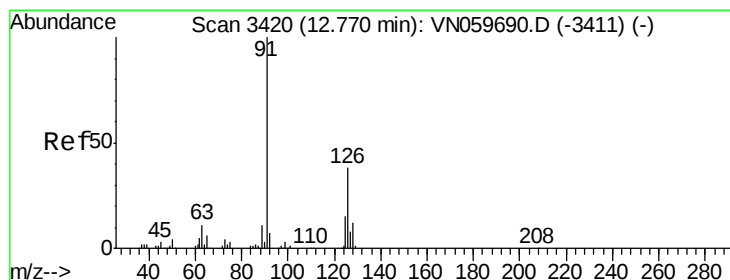
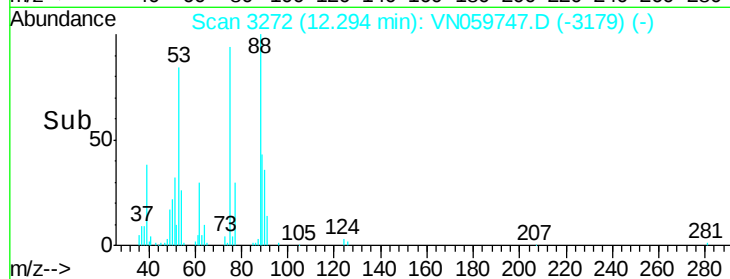
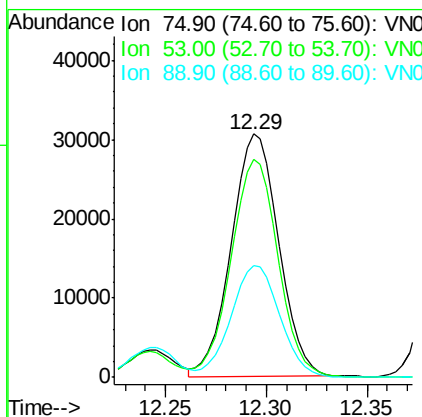
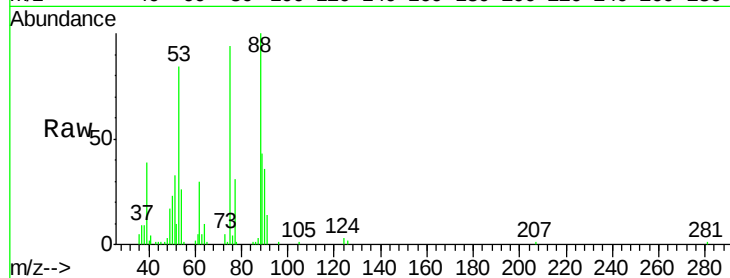
#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.530 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 89.4  | 78.1  | 117.1 |
| 89      | 47.6  | 35.4  | 53.2  |

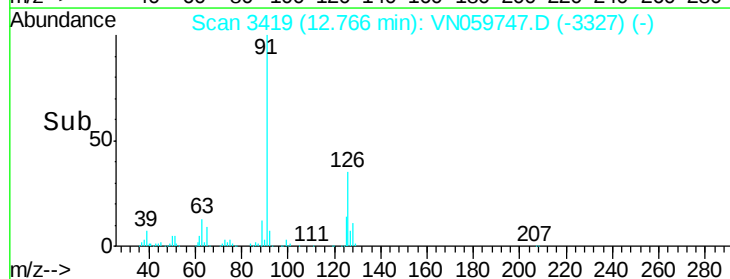
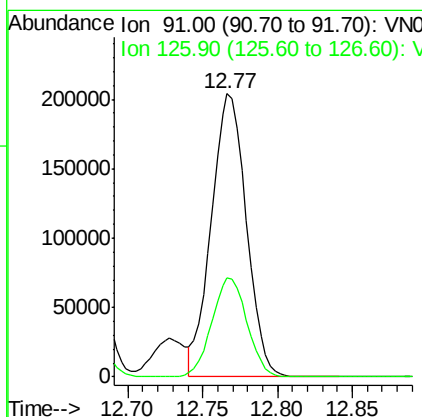
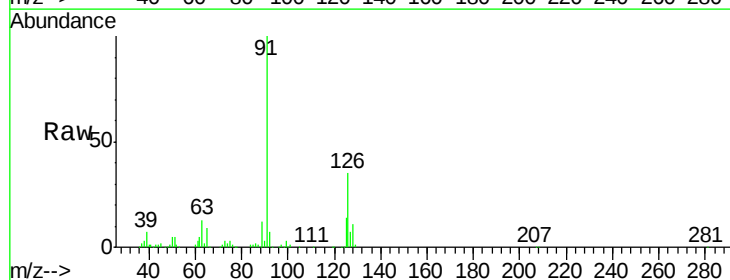
Manual Integrations  
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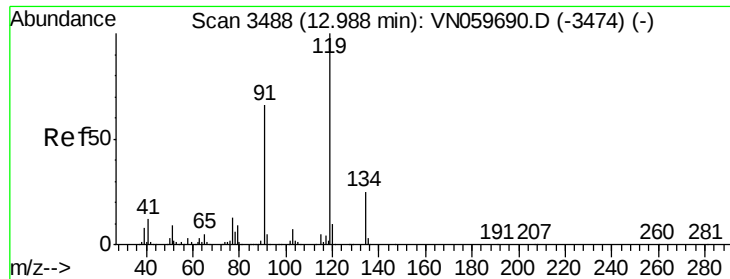
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 49.942 ug/l  
RT: 12.77 min Scan# 3419  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.3  | 16.3  | 48.8  |





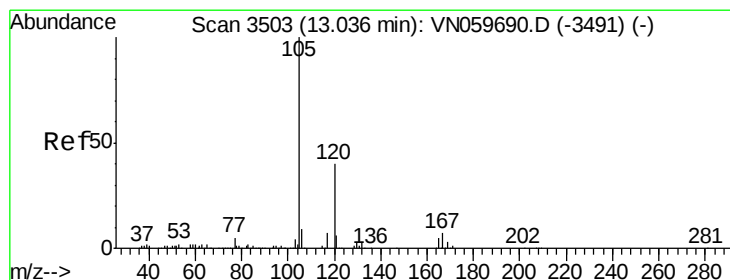
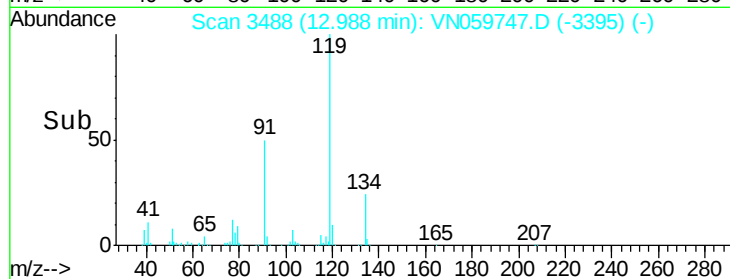
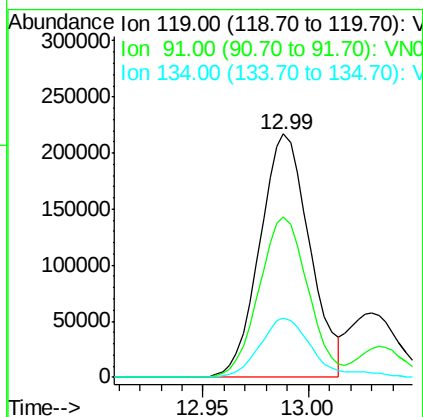
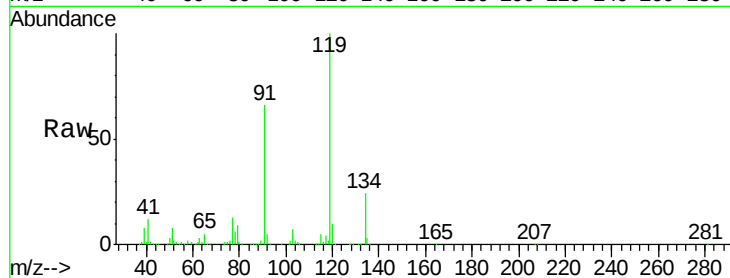
#83  
tert-Butylbenzene  
Concen: 49.437 ug/l  
RT: 12.99 min Scan# 3488  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.0  | 34.8  | 104.4 |
| 134     | 25.9  | 12.3  | 36.9  |

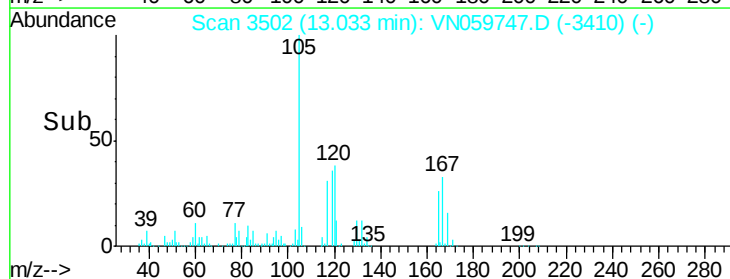
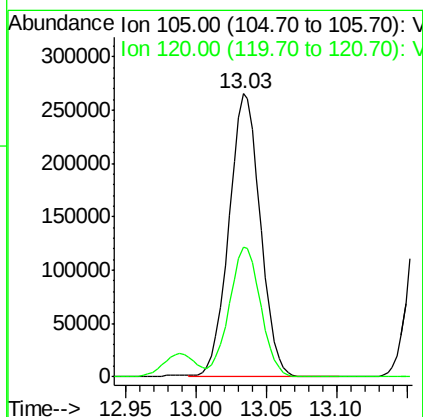
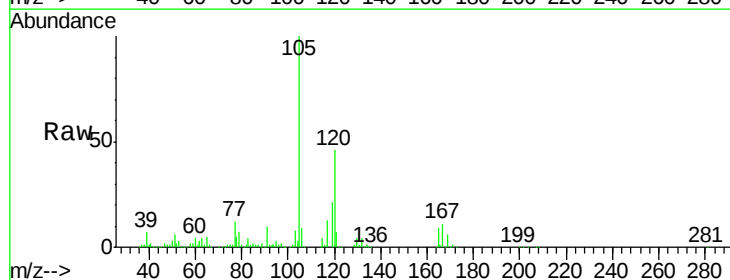
Manual Integrations  
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#84  
1,2,4-Trimethylbenzene  
Concen: 49.922 ug/l  
RT: 13.03 min Scan# 3502  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.1  | 22.3  | 66.9  |





#85

sec-Butylbenzene

Concen: 49.752 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 471516

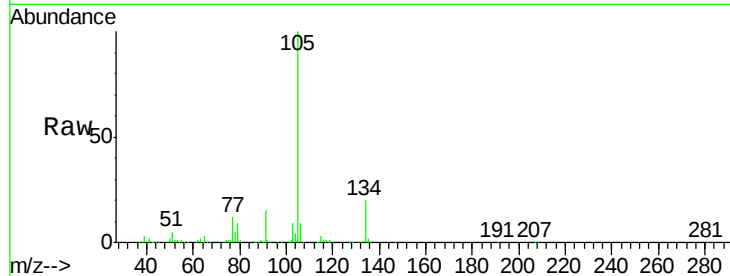
Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.5

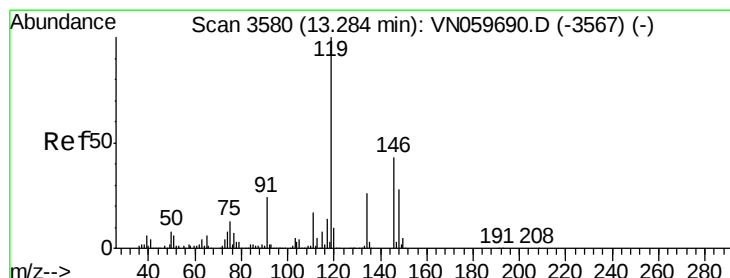
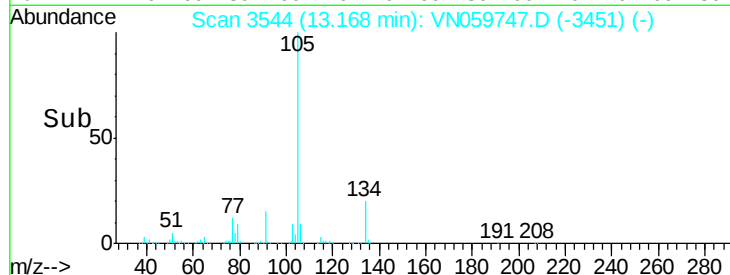
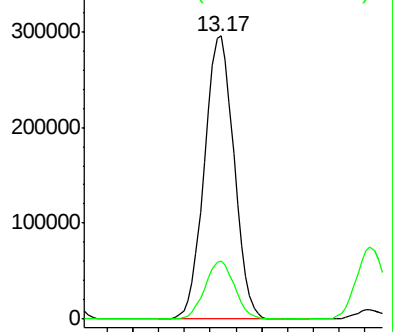
Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.761 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

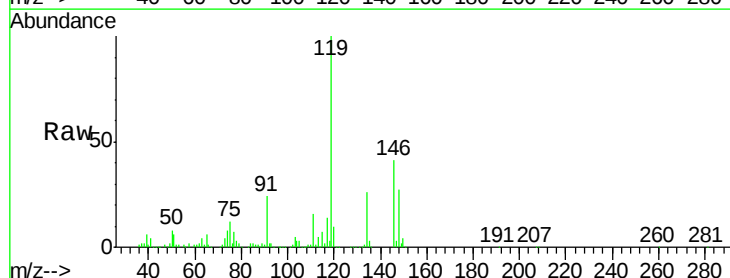
Tgt Ion:119 Resp: 436367

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

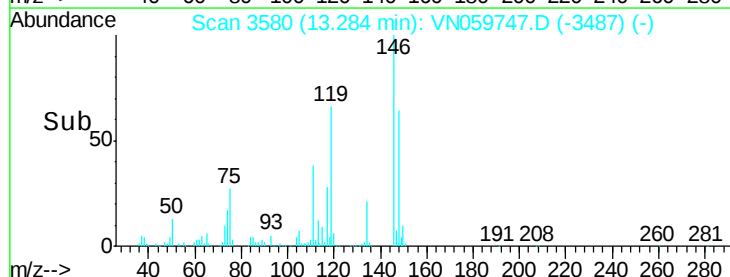
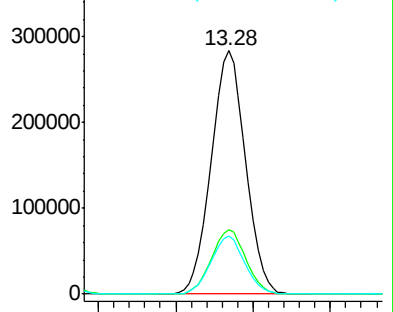
91 23.5 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.537 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059747.D

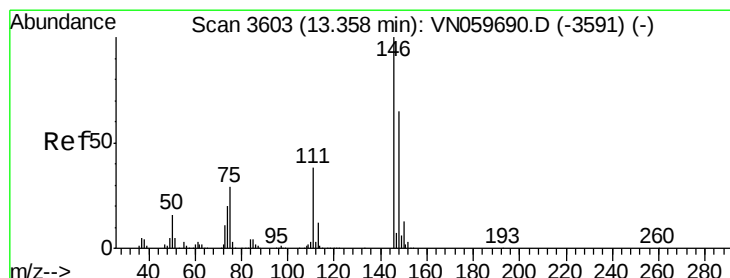
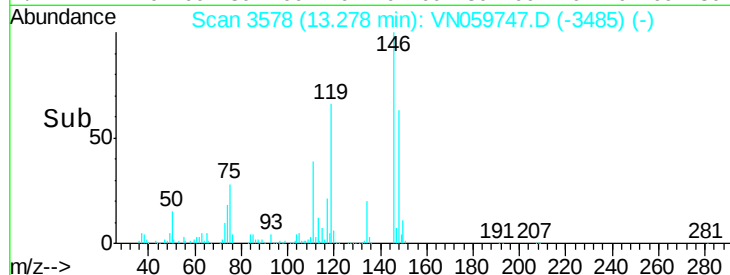
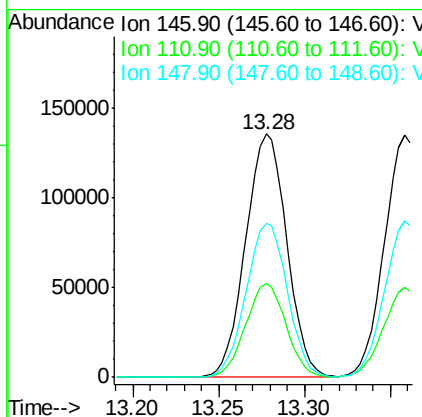
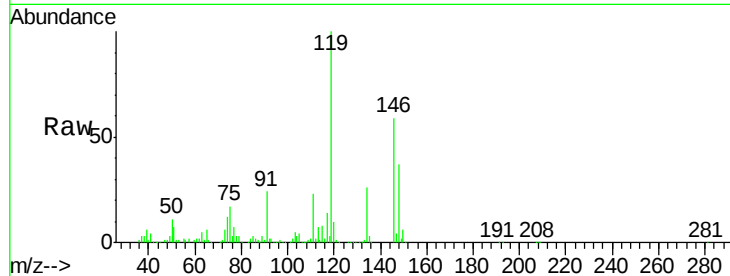
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 20.8  | 62.2  |
| 148     | 63.7  | 32.0  | 96.0  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 50.945 ug/l

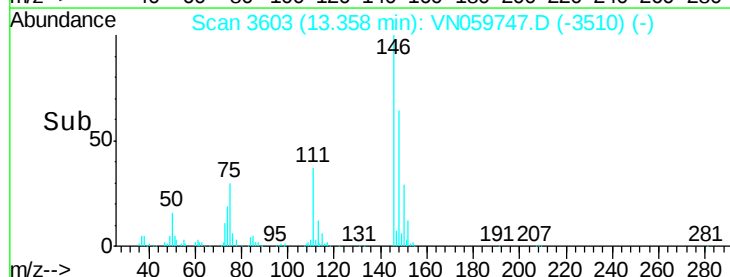
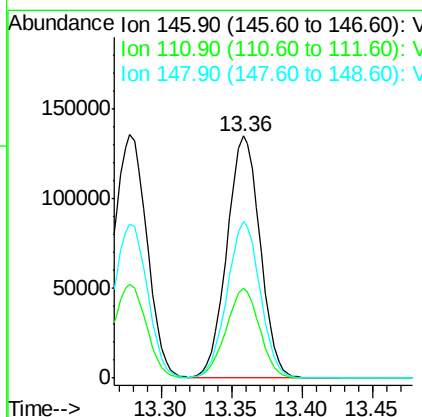
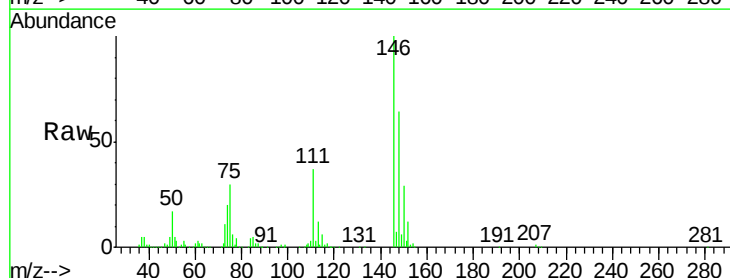
RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 20.8  | 62.2  |
| 148     | 64.6  | 31.8  | 95.4  |





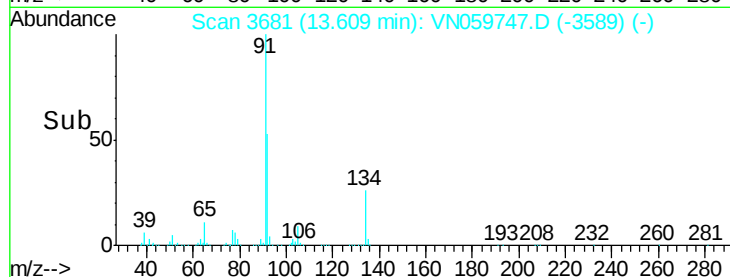
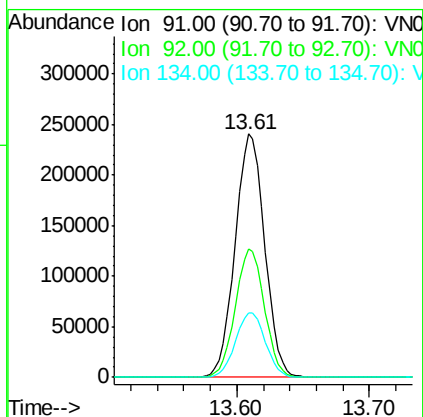
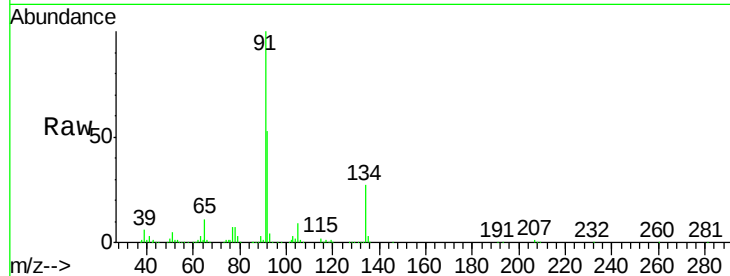
#89  
n-Butylbenzene  
Concen: 49.829 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. -0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.9  | 25.9  | 77.7  |
| 134     | 26.8  | 12.3  | 36.8  |

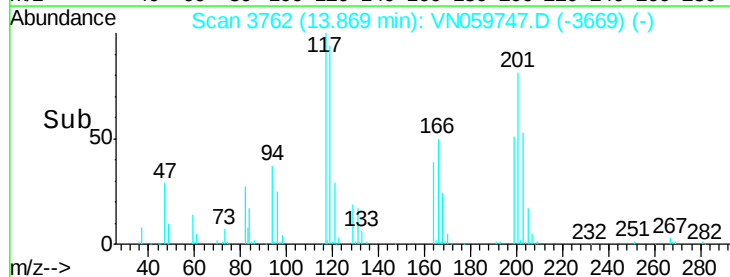
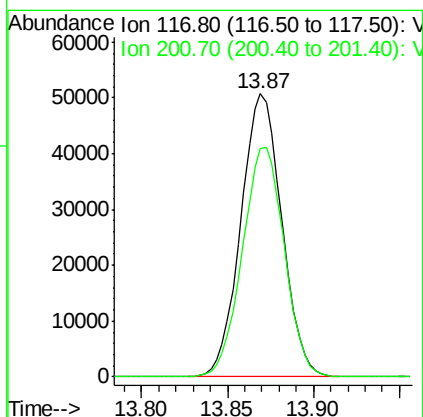
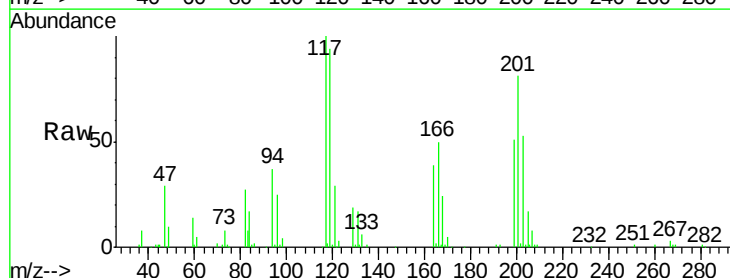
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#90  
Hexachloroethane  
Concen: 50.960 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. 0.00 min  
Lab File: VN059747.D  
Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.1  | 37.8  | 113.4 |





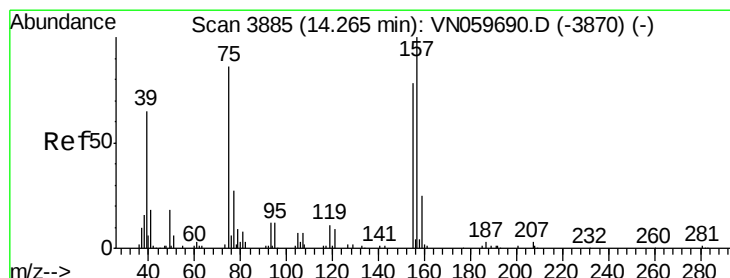
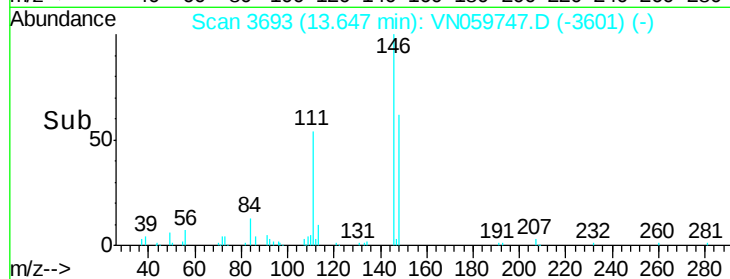
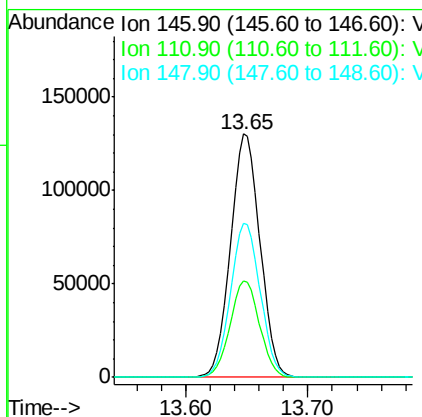
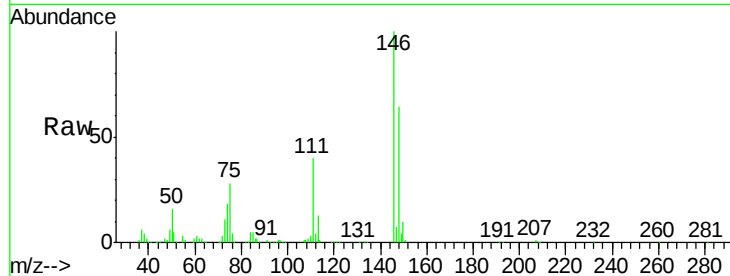
#91  
 1,2-Dichlorobenzene  
 Concen: 50.739 ug/l  
 RT: 13.65 min Scan# 3693  
 Delta R.T. -0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 218824 |       |       |
| 111     | 39.6  |        | 21.6  | 64.8  |
| 148     | 63.9  |        | 31.6  | 95.0  |

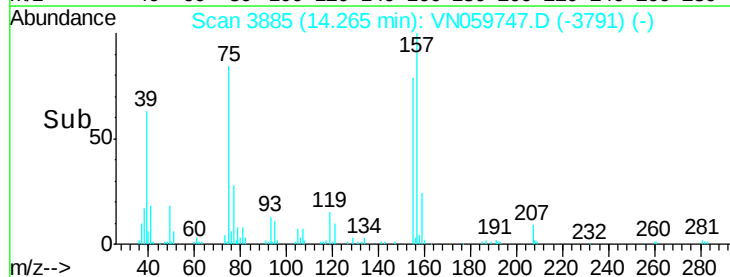
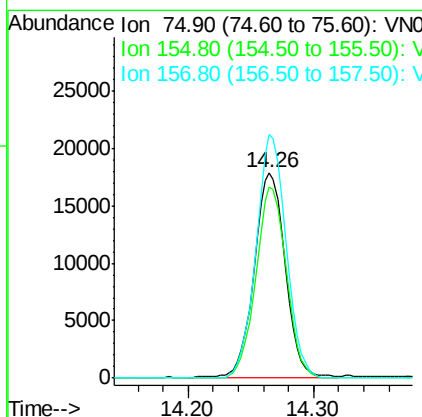
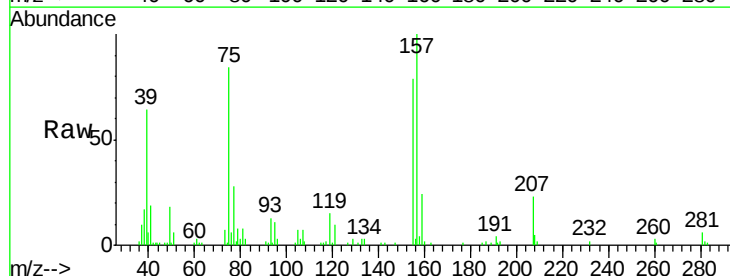
Manual Integrations  
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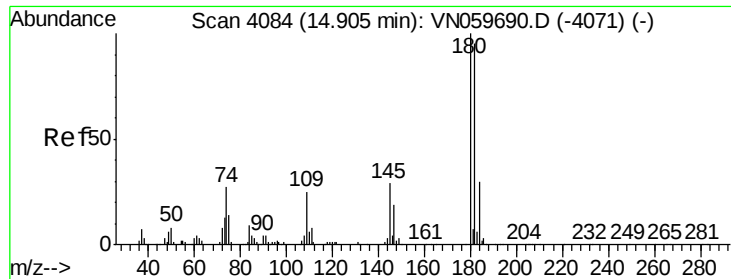
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.318 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN059747.D  
 Acq: 16 Jan 2020 21:09

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 31042 |       |       |
| 155     | 90.4  |       | 37.0  | 110.9 |
| 157     | 113.8 |       | 48.4  | 145.2 |





#93

1,2,4-Trichlorobenzene

Concen: 52.331 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

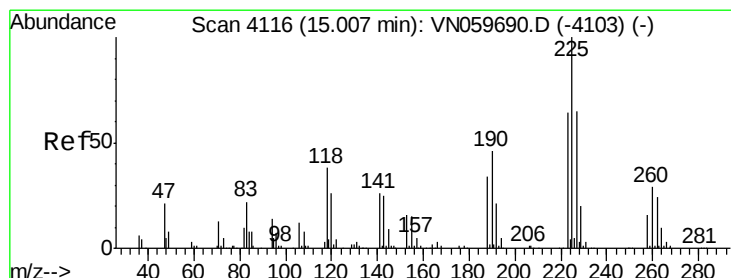
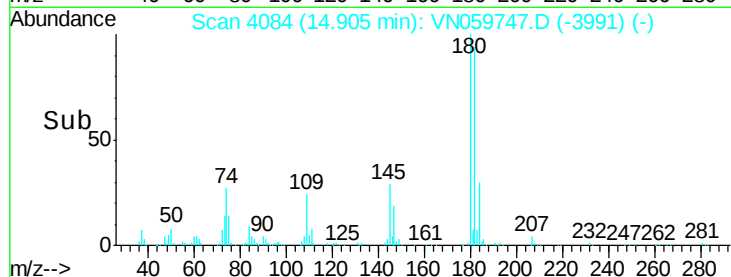
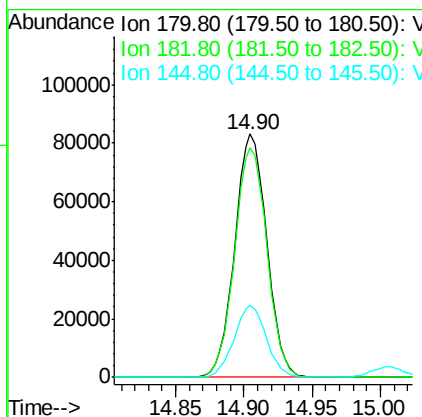
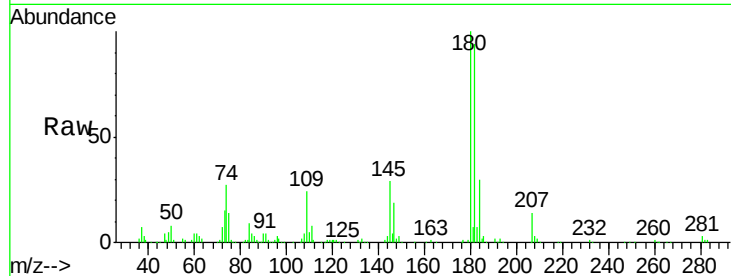
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 135613 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 46.9  | 140.7  |
| 145       | 29.8  | 15.0  | 45.1   |

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#94

Hexachlorobutadiene

Concen: 49.603 ug/l

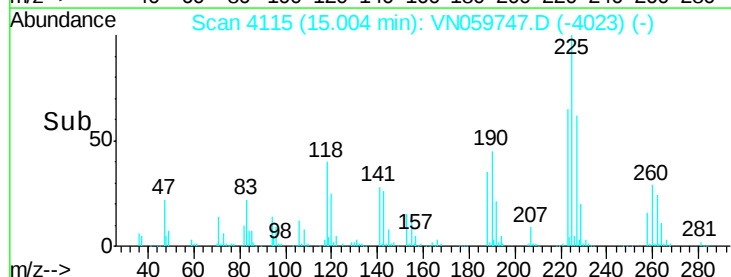
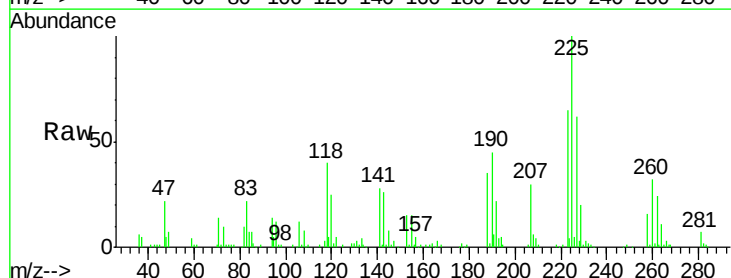
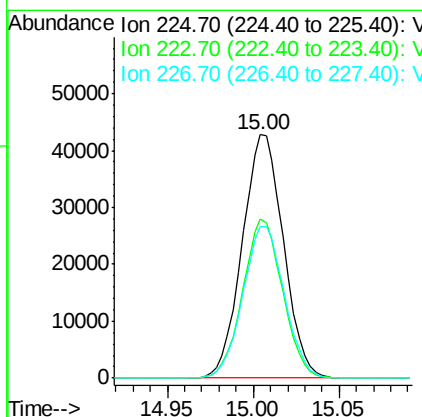
RT: 15.00 min Scan# 4115

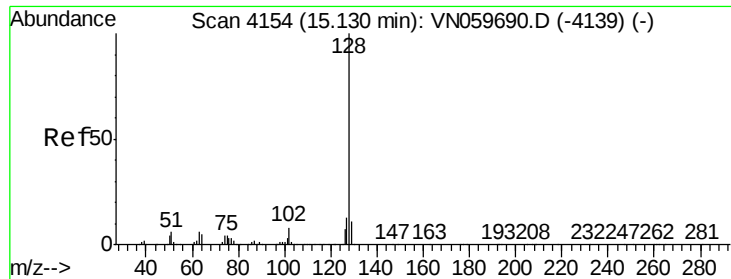
Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 70836 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.2  | 31.8  | 95.3  |
| 227       | 62.7  | 32.1  | 96.5  |





#95

Naphthalene

Concen: 51.442 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

Instrument :

MSVOA\_N

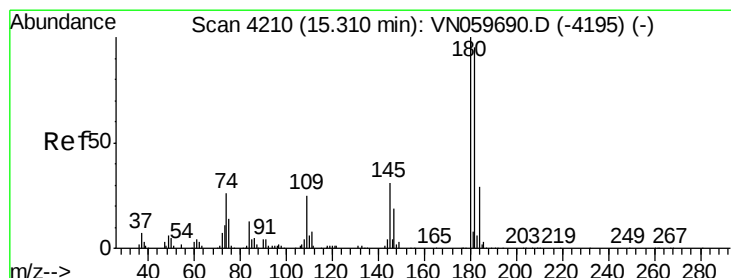
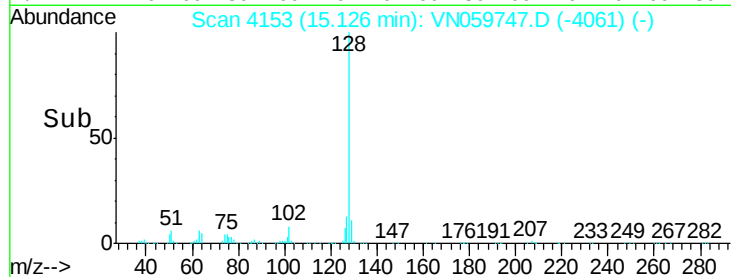
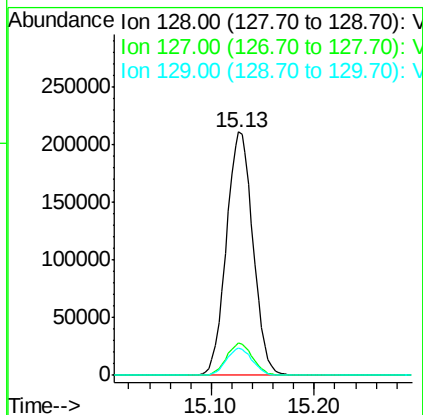
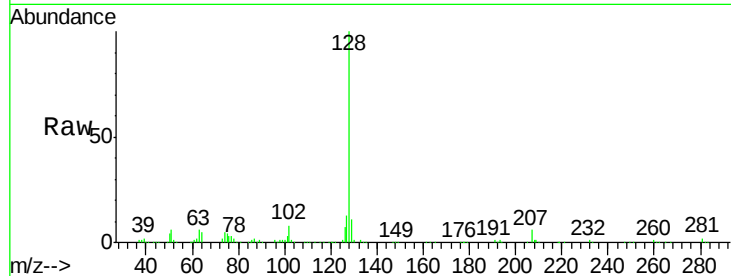
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 379184 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.4  | 15.6   |
| 129       | 10.9  | 8.6   | 12.8   |

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#96

1,2,3-Trichlorobenzene

Concen: 51.349 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059747.D

Acq: 16 Jan 2020 21:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 129525 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.5  | 47.4  | 142.3  |
| 145       | 31.4  | 16.3  | 48.9   |

