

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050321\  
 Data File : VV021238.D  
 Acq On : 03 May 2021 11:40  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 04 05:23:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 03 18:54:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 820435     | 50.00  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857          | 117  | 788948     | 50.00  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.255         | 152  | 459831     | 50.00  | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 171837     | 47.22  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 94.44% |        |          |
| 7) Chloroethane-d5            | 1.568          | 69   | 152259     | 46.82  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 93.64% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.108          | 63   | 451469     | 44.47  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 88.94% |        |          |
| 21) 2-Butanone-d5             | 4.043          | 46   | 293        | 0.10   | ug/L   | 0.14     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 0.10%# |        |          |
| 24) Chloroform-d              | 4.352          | 84   | 535951     | 46.27  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.54% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 388926     | 44.85  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.70% |        |          |
| 32) Benzene-d6                | 5.053          | 84   | 869455     | 47.85  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.70% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 214190     | 45.89  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 91.78% |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 897268     | 47.65  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.30% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 165784     | 47.76  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 95.52% |        |          |
| 47) 2-Hexanone-d5             | 8.091          | 63   | 205679     | 95.43  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 95.43% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220         | 84   | 349280     | 46.77  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 93.54% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.632         | 152  | 426172     | 47.03  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.06% |        |          |
| Target Compounds              |                |      |            |        |        |          |
|                               |                |      |            |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130          | 85   | 318258     | 48.05  | ug/L   | 99       |
| 3) Chloromethane              | 1.243          | 50   | 186465     | 46.82  | ug/L   | 98       |
| 5) Vinyl chloride             | 1.310          | 62   | 233669     | 47.08  | ug/L   | 99       |
| 6) Bromomethane               | 1.523          | 94   | 190289     | 48.73  | ug/L   | 97       |
| 8) Chloroethane               | 1.587          | 64   | 152005     | 47.41  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.754          | 101  | 594417     | 45.66  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117          | 101  | 270685     | 47.09  | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.117          | 96   | 242785     | 47.26  | ug/L   | 93       |
| 13) Acetone                   | 2.195          | 43   | 339450     | 98.34  | ug/L   | 83       |
| 14) Carbon disulfide          | 2.294          | 76   | 604421     | 46.90  | ug/L   | 98       |
| 15) Methyl Acetate            | 2.439          | 43   | 193126     | 46.32  | ug/L   | 91       |
| 16) Methylene chloride        | 2.506          | 84   | 253113     | 48.11  | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 2.760          | 96   | 250226     | 48.65  | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 2.770          | 73   | 891737     | 48.35  | ug/L # | 92       |
| 19) 1,1-Dichloroethane        | 3.191          | 63   | 417896     | 46.89  | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 3.912          | 96   | 274724     | 48.57  | ug/L   | 98       |
| 22) 2-Butanone                | 3.986          | 43   | 293360     | 89.05  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.249          | 128  | 154094     | 47.56  | ug/L # | 82       |
| 25) Chloroform                | 4.378          | 83   | 549664     | 46.84  | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050321\  
 Data File : VV021238.D  
 Acq On : 03 May 2021 11:40  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

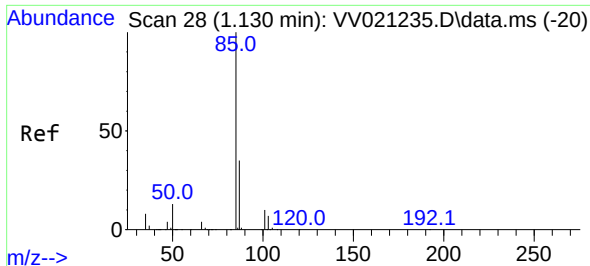
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 03 18:54:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 498370   | 46.60  | ug/L   | 97       |
| 29) Cyclohexane               | 4.677  | 56   | 316196   | 47.68  | ug/L   | 88       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 588384   | 47.73  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 536392   | 46.80  | ug/L   | 97       |
| 33) Benzene                   | 5.101  | 78   | 955384   | 47.33  | ug/L   | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 309664   | 47.68  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.133  | 83   | 417549   | 49.22  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 200303   | 47.00  | ug/L # | 93       |
| 38) Bromodichloromethane      | 6.513  | 83   | 420278   | 46.48  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 429704   | 51.67  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 580774   | 96.18  | ug/L   | 96       |
| 42) Toluene                   | 7.391  | 91   | 1127427  | 47.93  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 461378   | 50.86  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 261522   | 47.82  | ug/L   | 94       |
| 46) Tetrachloroethene         | 7.979  | 164  | 262969   | 47.11  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.143  | 43   | 486796   | 100.35 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.249  | 129  | 368133   | 47.45  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 291989   | 47.40  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.886  | 112  | 771967   | 47.47  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.014  | 91   | 1338312  | 49.25  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.140  | 106  | 509885   | 47.78  | ug/L   | 98       |
| 54) o-Xylene                  | 9.548  | 106  | 506259   | 49.22  | ug/L   | 96       |
| 55) Styrene                   | 9.564  | 104  | 871190   | 49.75  | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 353696   | 47.85  | ug/L # | 98       |
| 59) Bromoform                 | 9.734  | 173  | 282866   | 45.96  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.937  | 105  | 1411948  | 48.06  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.278 | 75   | 350858   | 46.67  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.545 | 105  | 1271455  | 49.41  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 1291050  | 50.00  | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 687457   | 48.19  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.278 | 146  | 685882   | 46.95  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.648 | 146  | 704919   | 48.92  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 127495   | 48.76  | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 551287   | 49.90  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.268 | 180  | 471332   | 52.40  | ug/L   | 98       |
| 71) Naphthalene               | 13.509 | 128  | 1336752  | 54.11  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.754 | 180  | 486945   | 53.49  | ug/L   | 97       |

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

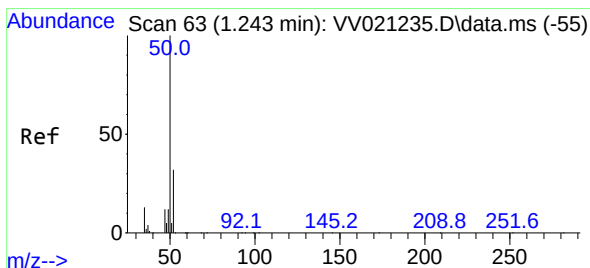
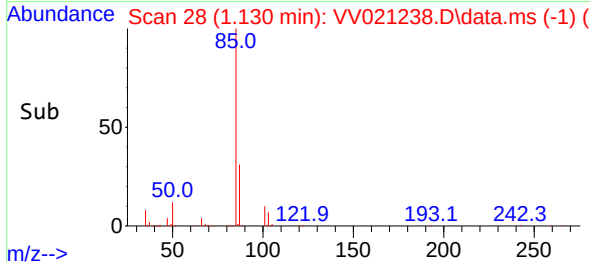
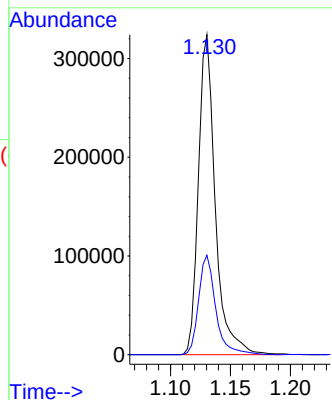
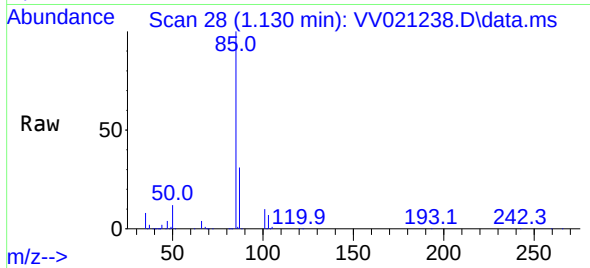
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon May 03 18:54:51 2021  
Response via : Initial Calibration





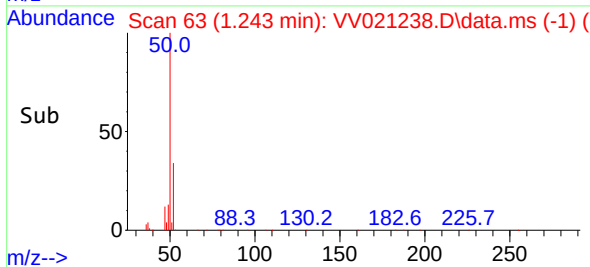
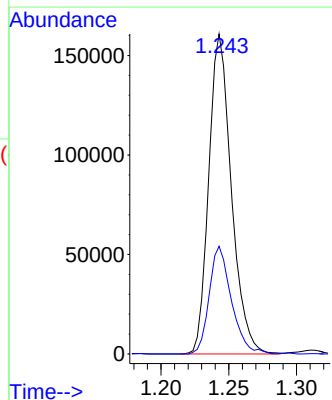
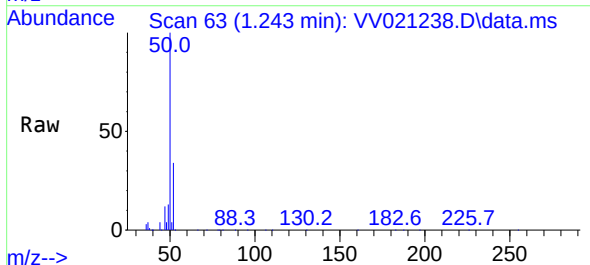
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Dichlorodifluoromethane  
Concen: 48.05 ug/L  
RT: 1.130 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 85 Resp: 318258  
Ion Ratio Lower Upper  
85 100  
87 31.5 25.8 38.8

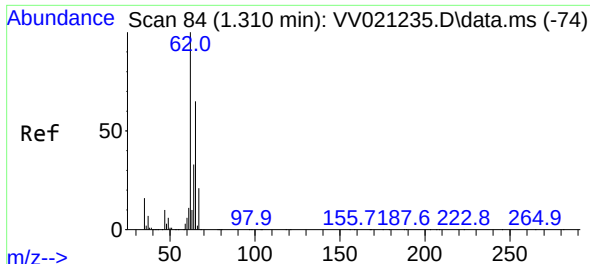


#3  
Chloromethane  
Concen: 46.82 ug/L  
RT: 1.243 min Scan# 63  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 50 Resp: 186465  
Ion Ratio Lower Upper  
50 100  
52 33.7 22.7 42.1



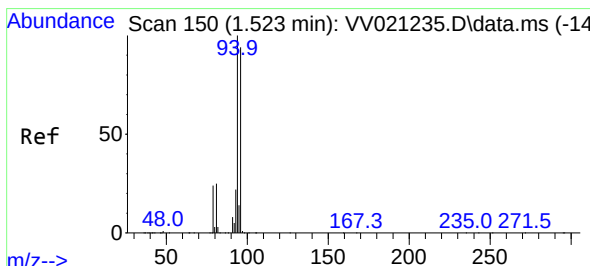
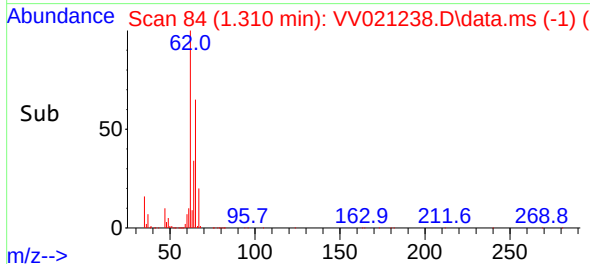
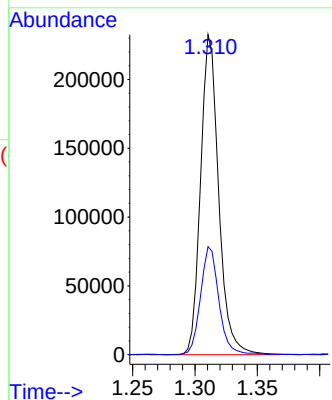
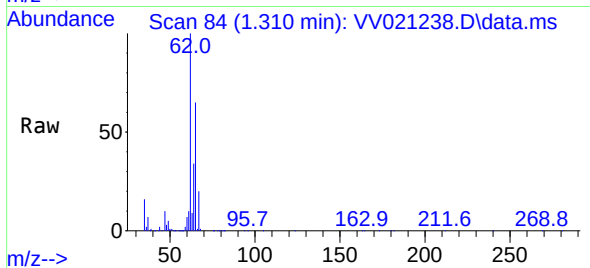
Instrument :  
MSVOA\_V  
ClientSampled :



#5  
 Vinyl chloride  
 Concen: 47.08 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV021238.D  
 Acq: 03 May 2021 11:40

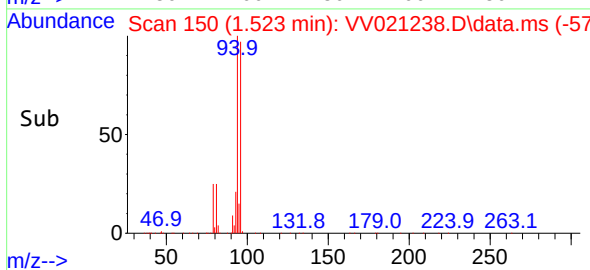
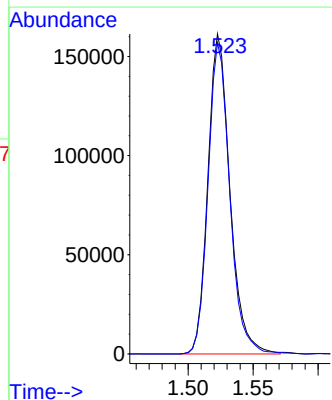
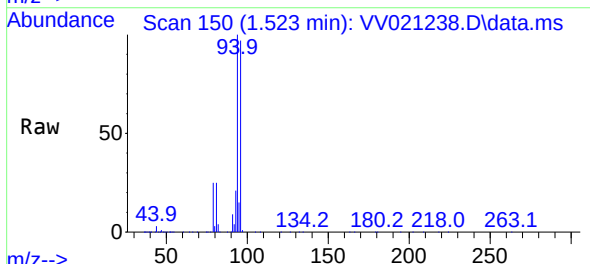
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 ClientSampled :

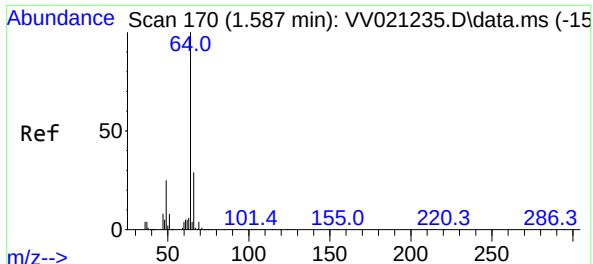
Tgt Ion: 62 Resp: 233669  
 Ion Ratio Lower Upper  
 62 100  
 64 33.7 23.2 43.2



#6  
 Bromomethane  
 Concen: 48.73 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.000 min  
 Lab File: VV021238.D  
 Acq: 03 May 2021 11:40

Tgt Ion: 94 Resp: 190289  
 Ion Ratio Lower Upper  
 94 100  
 96 97.3 65.7 122.1

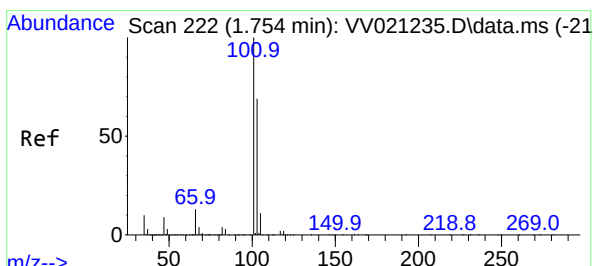
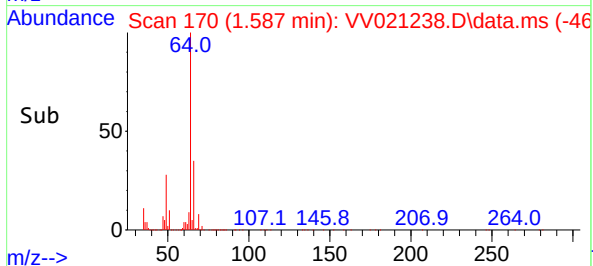
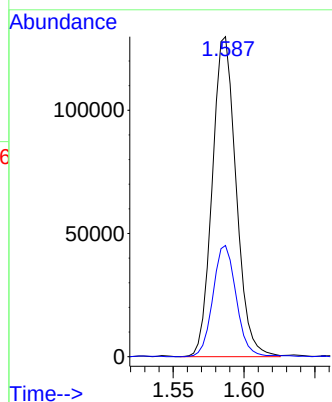
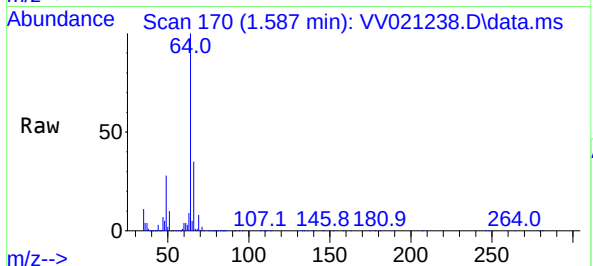




#8  
Chloroethane  
Concen: 47.41 ug/L  
RT: 1.587 min Scan# 170  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

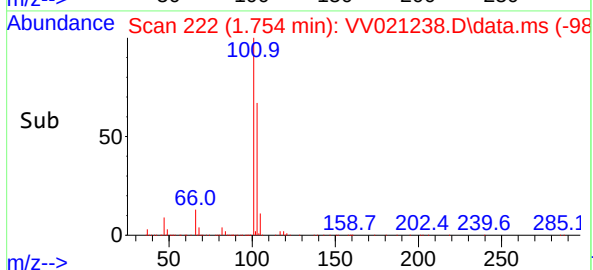
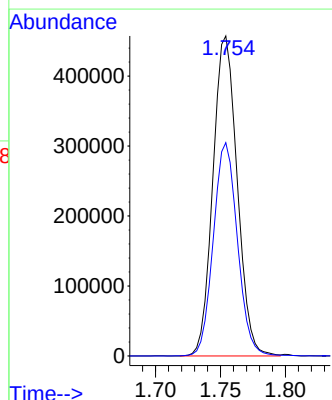
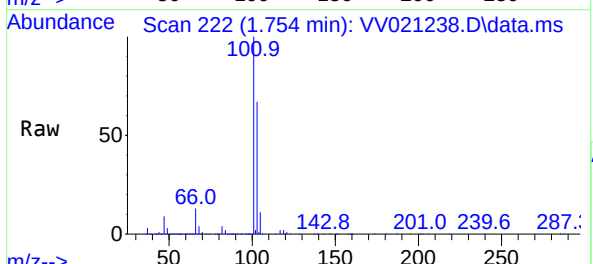
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MSVOA\_V  
ClientSampled :

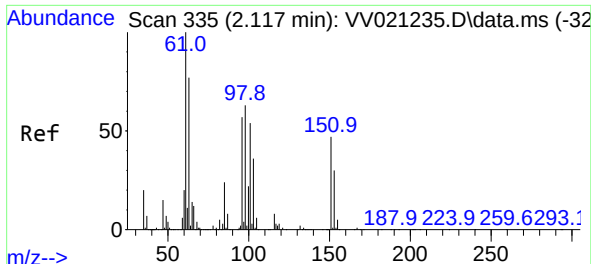
Tgt Ion: 64 Resp: 152005  
Ion Ratio Lower Upper  
64 100  
66 34.7 23.7 43.9



#9  
Trichlorofluoromethane  
Concen: 45.66 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 101 Resp: 594417  
Ion Ratio Lower Upper  
101 100  
103 66.1 53.0 79.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.09 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV021238.D

Acq: 03 May 2021 11:40

Instrument :  
MSVOA\_V  
ClientSampleId :

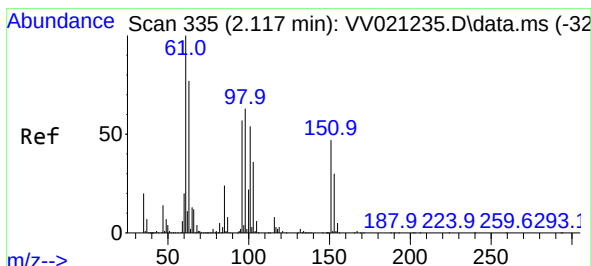
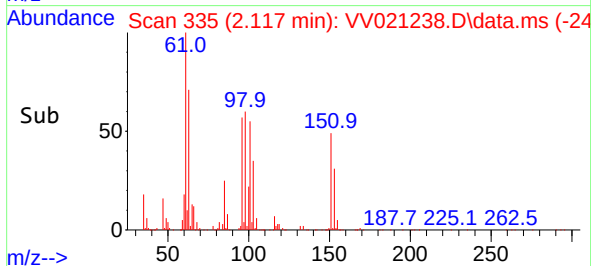
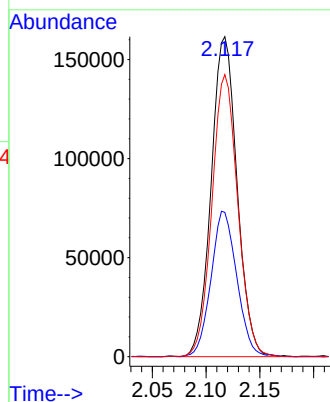
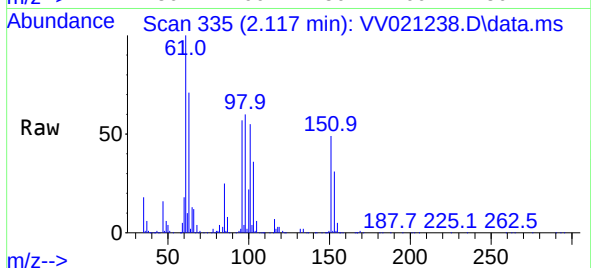
Tgt Ion:101 Resp: 270685

Ion Ratio Lower Upper

101 100

85 45.2 35.4 53.2

151 87.9 63.9 95.9



#12

1,1-Dichloroethene

Concen: 47.26 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV021238.D

Acq: 03 May 2021 11:40

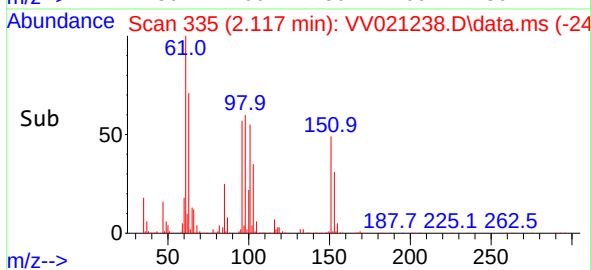
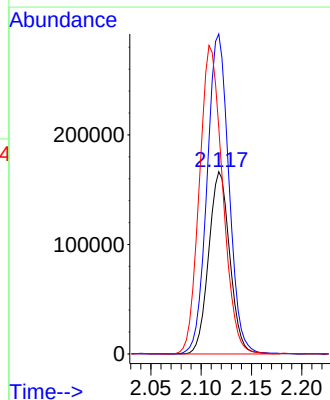
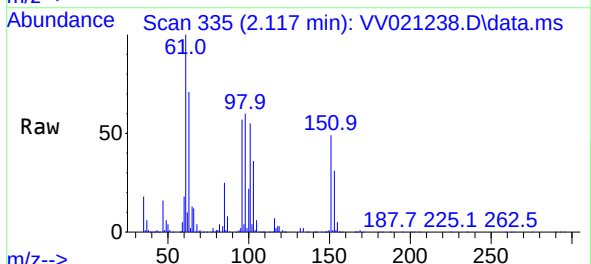
Tgt Ion: 96 Resp: 242785

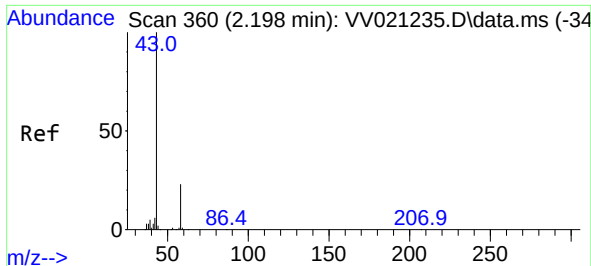
Ion Ratio Lower Upper

96 100

61 175.6 121.4 225.6

63 124.4 98.1 182.1

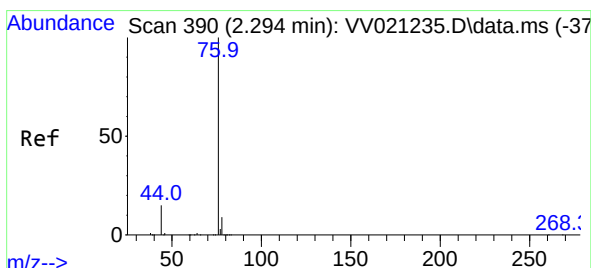
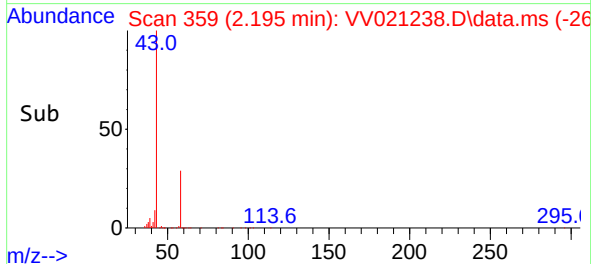
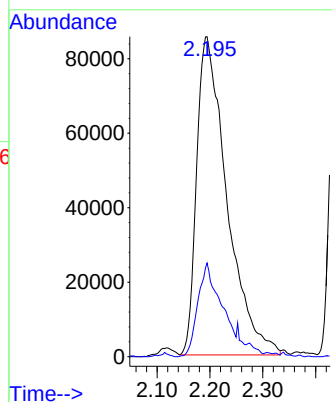
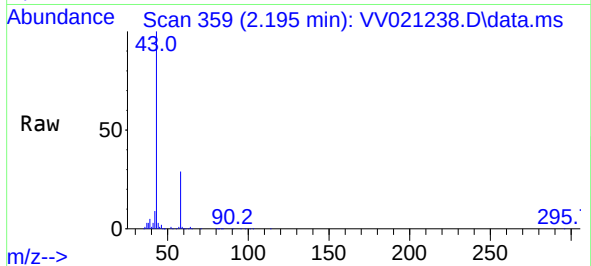




#13  
Acetone  
Concen: 98.34 ug/L  
RT: 2.195 min Scan# 359  
Delta R.T. -0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

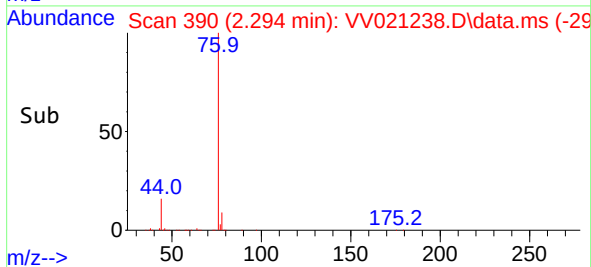
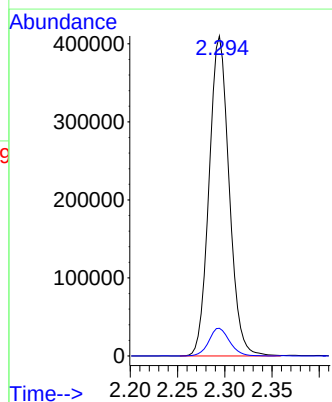
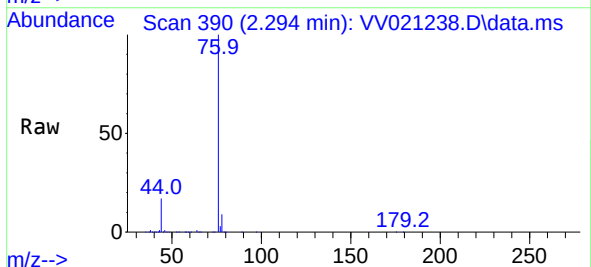
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 43 Resp: 339450  
Ion Ratio Lower Upper  
43 100  
58 22.7 0.0 30.8

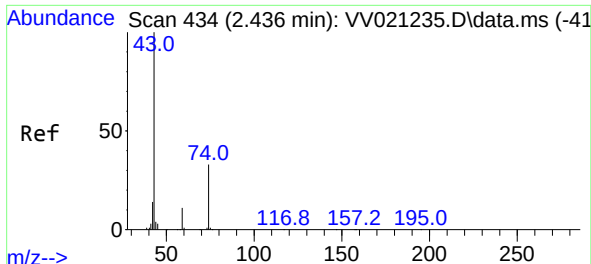


#14  
Carbon disulfide  
Concen: 46.90 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 76 Resp: 604421  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.4 11.2



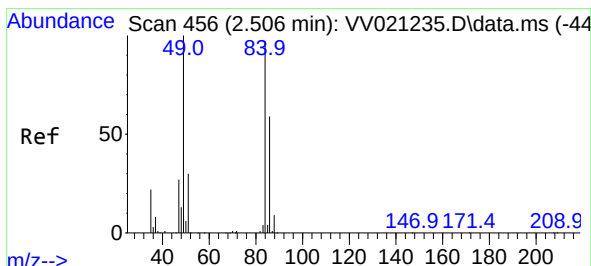
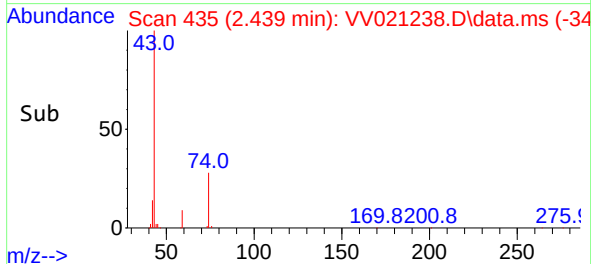
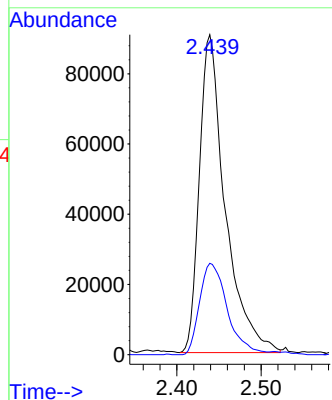
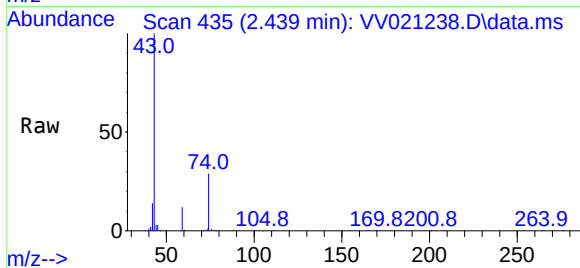




#15  
Methyl Acetate  
Concen: 46.32 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. 0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

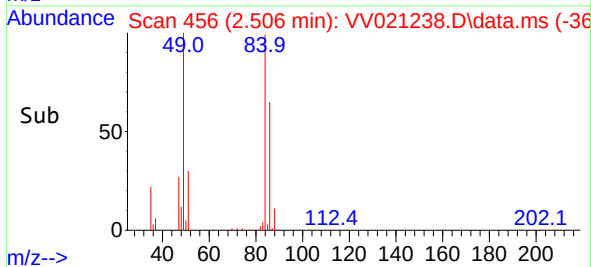
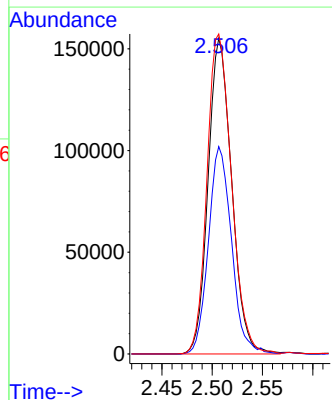
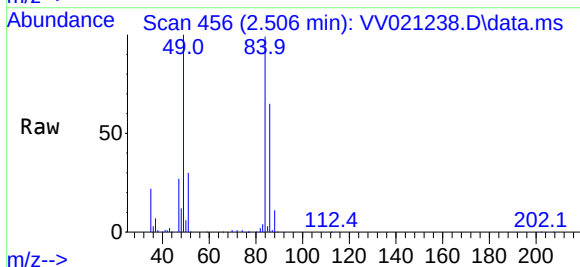
Instrument :  
MSVOA\_V  
ClientSampled :

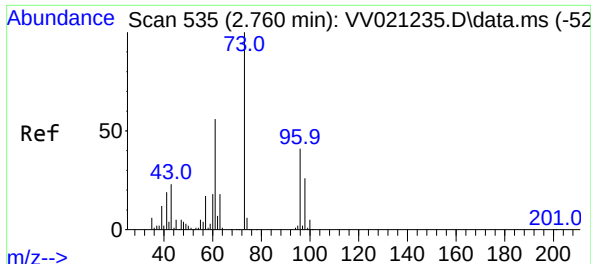
Tgt Ion: 43 Resp: 193126  
Ion Ratio Lower Upper  
43 100  
74 30.9 21.2 31.8



#16  
Methylene chloride  
Concen: 48.11 ug/L  
RT: 2.506 min Scan# 456  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 84 Resp: 253113  
Ion Ratio Lower Upper  
84 100  
86 65.7 44.9 83.5  
49 101.4 78.1 145.1

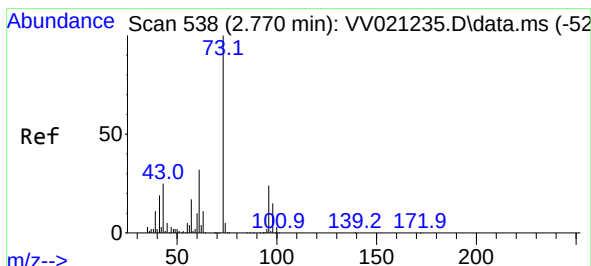
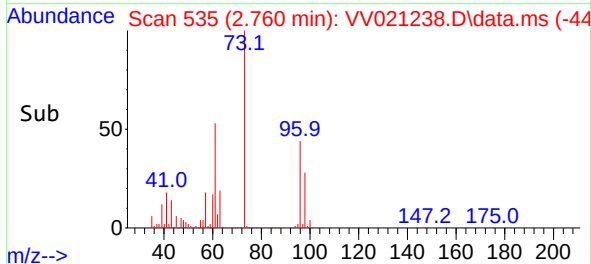
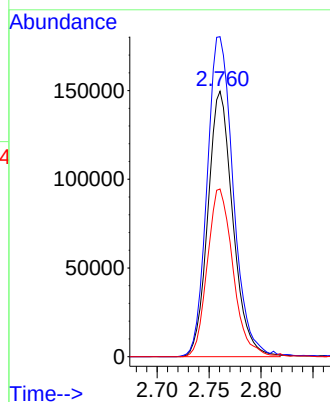
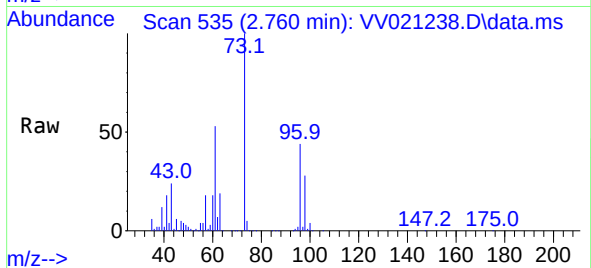




#17  
trans-1,2-Dichloroethene  
Concen: 48.65 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

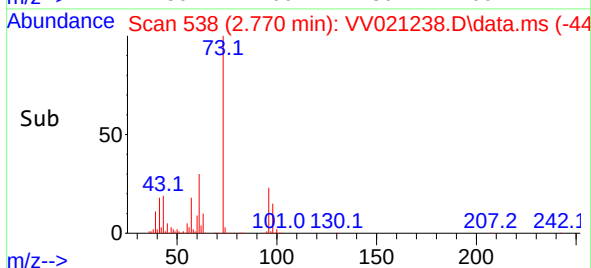
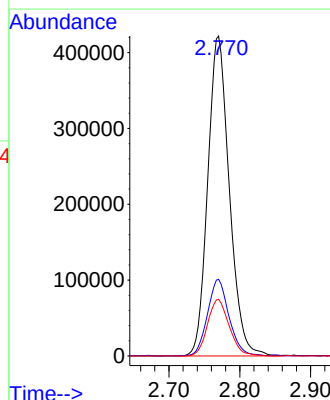
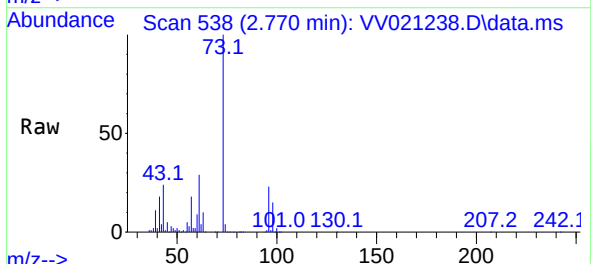
Instrument :  
MSVOA\_V  
ClientSampled :

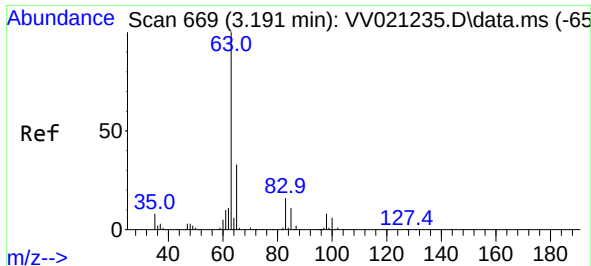
Tgt Ion: 96 Resp: 250226  
Ion Ratio Lower Upper  
96 100  
61 120.6 89.3 165.9  
98 63.2 44.1 81.9



#18  
Methyl tert-butyl Ether  
Concen: 48.35 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 73 Resp: 891737  
Ion Ratio Lower Upper  
73 100  
43 23.8 14.7 22.1#  
57 17.8 15.9 23.9



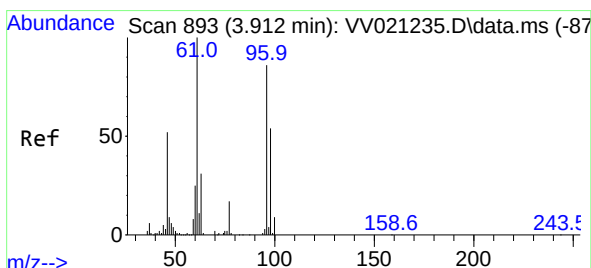
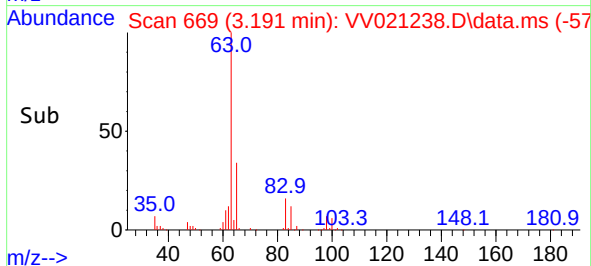
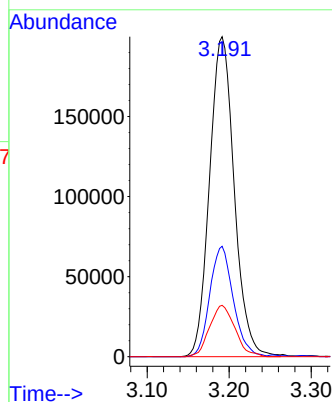
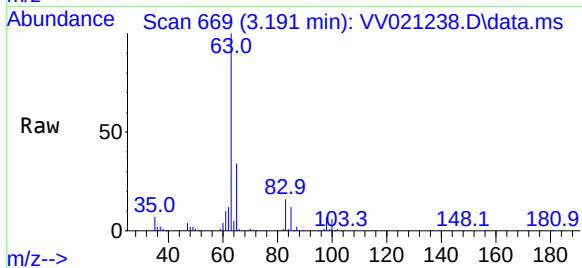


#19  
1,1-Dichloroethane  
Concen: 46.89 ug/L  
RT: 3.191 min Scan# 669  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 63 Resp: 417896

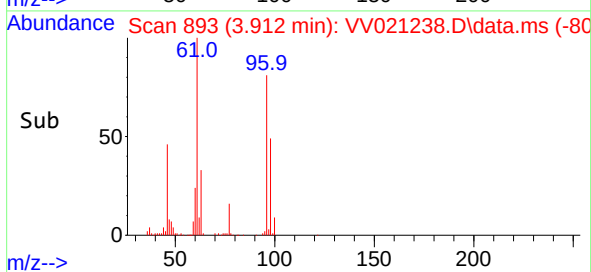
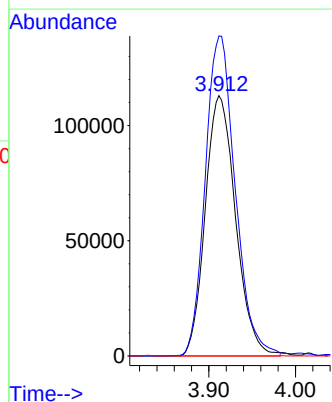
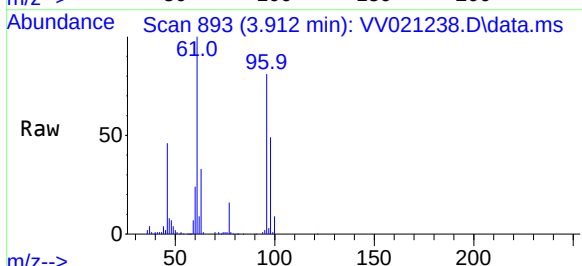
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 34.5  | 21.9  | 40.7  |
| 83  | 16.1  | 10.6  | 19.6  |

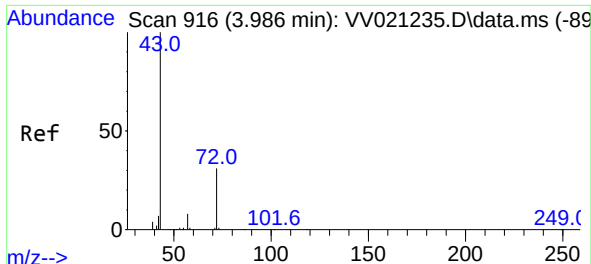


#20  
cis-1,2-Dichloroethene  
Concen: 48.57 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 96 Resp: 274724

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 122.9 | 84.4  | 156.7 |
| 68  | 0.0   | 0.0   | 0.0   |

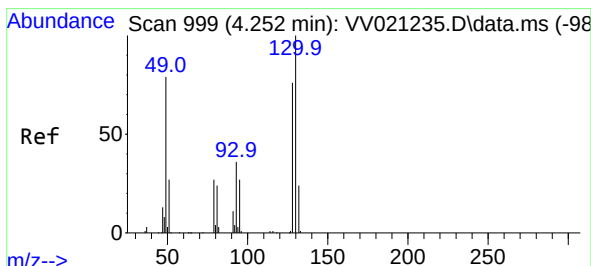
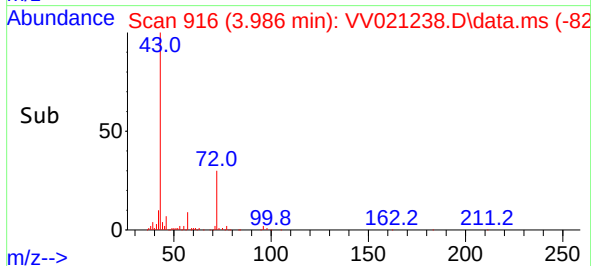
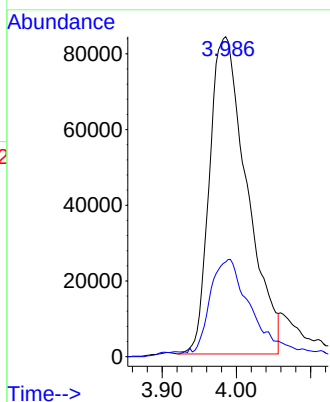
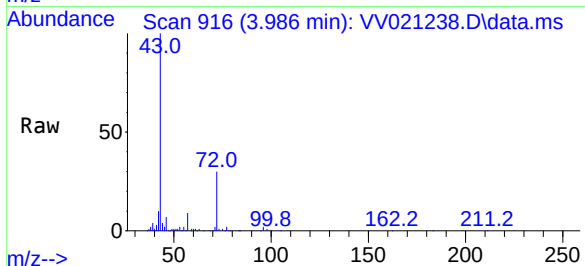




#22  
2-Butanone  
Concen: 89.05 ug/L  
RT: 3.986 min Scan# 916  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

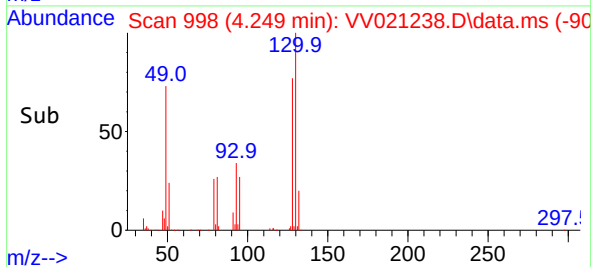
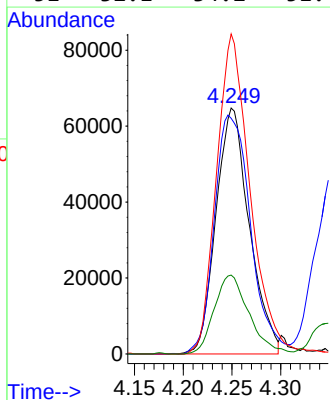
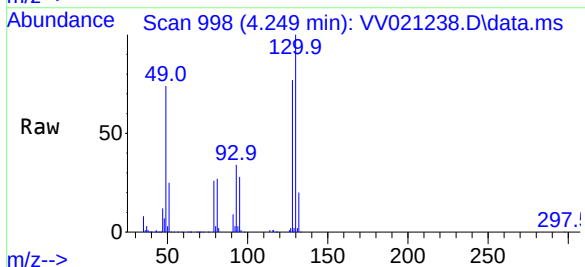
Instrument :  
MSVOA\_V  
ClientSampled :

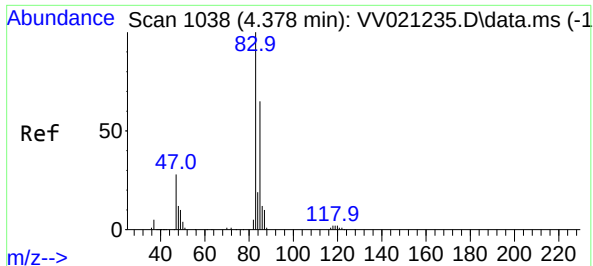
Tgt Ion: 43 Resp: 293360  
Ion Ratio Lower Upper  
43 100  
72 27.6 13.2 39.6



#23  
Bromochloromethane  
Concen: 47.56 ug/L  
RT: 4.249 min Scan# 998  
Delta R.T. -0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion:128 Resp: 154094  
Ion Ratio Lower Upper  
128 100  
49 95.8 91.3 169.6  
130 130.1 86.8 161.2  
51 32.1 34.2 51.4#



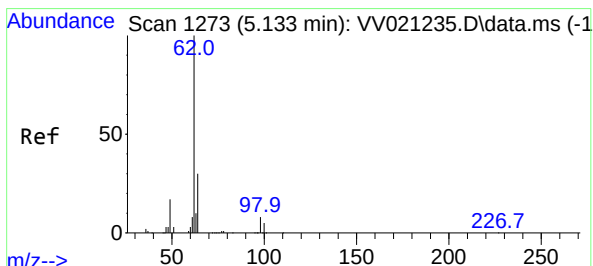
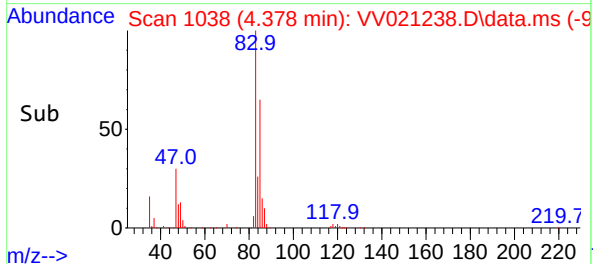
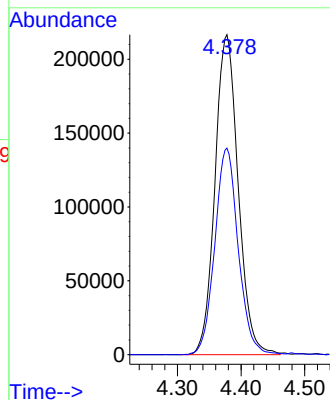
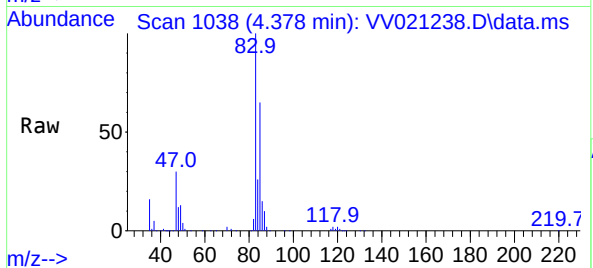


#25

Chloroform  
Concen: 46.84 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Instrument :  
MSVOA\_V  
ClientSampleId :

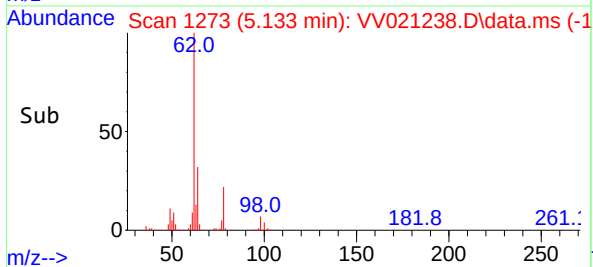
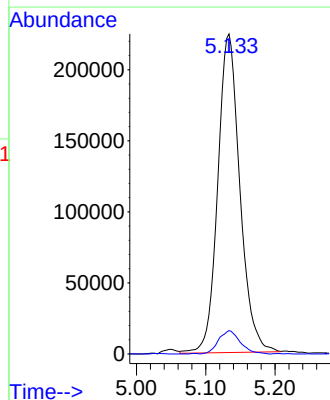
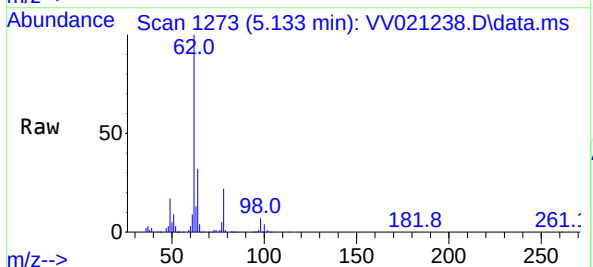
Tgt Ion: 83 Resp: 549664  
Ion Ratio Lower Upper  
83 100  
85 64.5 45.6 84.6

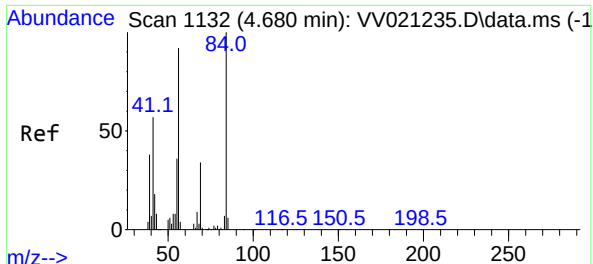


#27

1,2-Dichloroethane  
Concen: 46.60 ug/L  
RT: 5.133 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 62 Resp: 498370  
Ion Ratio Lower Upper  
62 100  
98 7.3 6.7 10.1

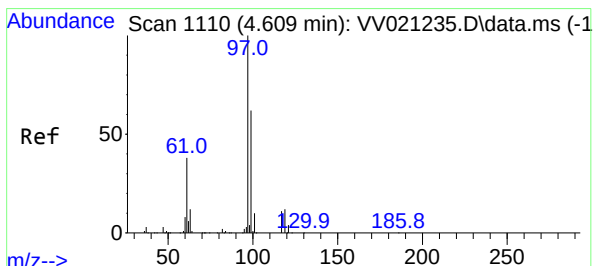
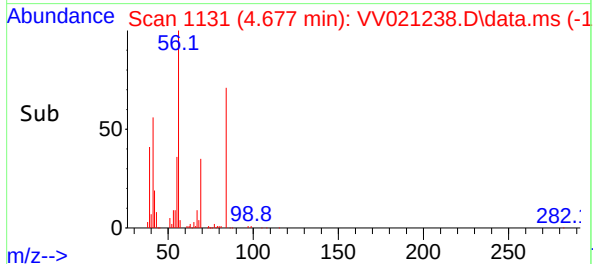
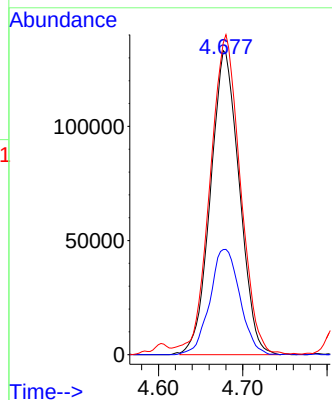
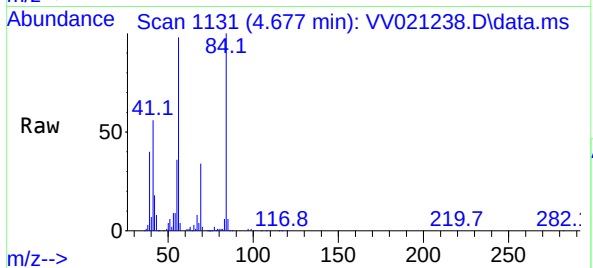




#29  
Cyclohexane  
Concen: 47.68 ug/L  
RT: 4.677 min Scan# 1131  
Delta R.T. -0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

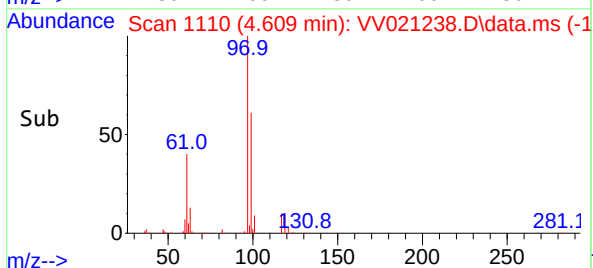
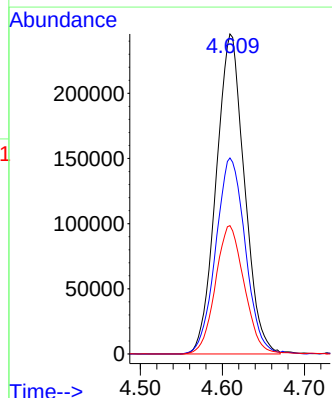
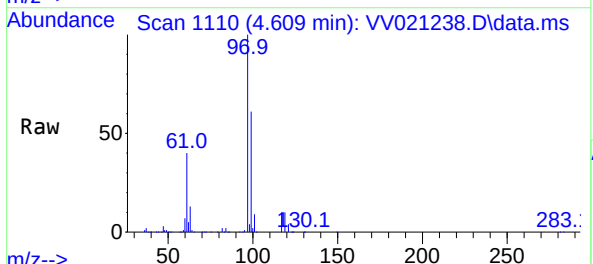
Instrument :  
MSVOA\_V  
ClientSampleId :

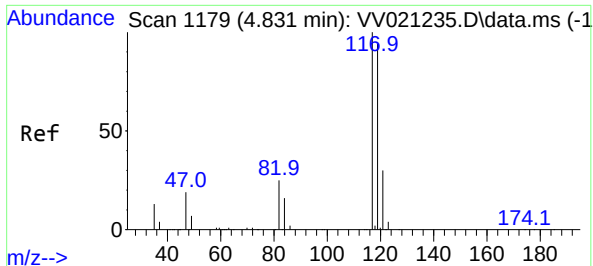
Tgt Ion: 56 Resp: 316196  
Ion Ratio Lower Upper  
56 100  
69 36.1 25.7 38.5  
84 108.4 75.7 113.5



#30  
1,1,1-Trichloroethane  
Concen: 47.73 ug/L  
RT: 4.609 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 97 Resp: 588384  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.6 77.4  
61 40.8 32.1 48.1

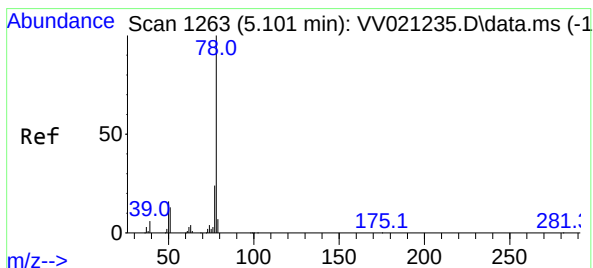
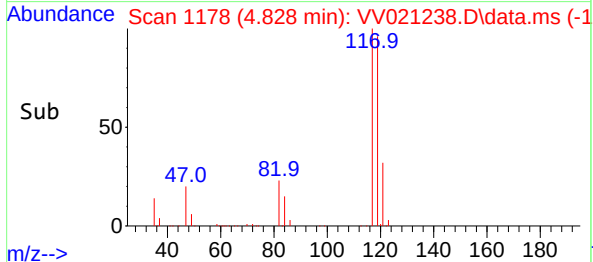
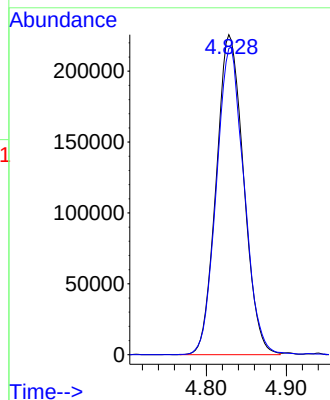
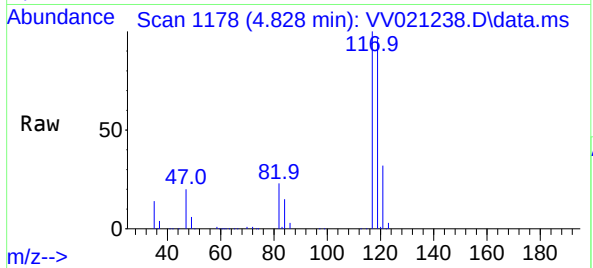




#31  
Carbon tetrachloride  
Concen: 46.80 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. -0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

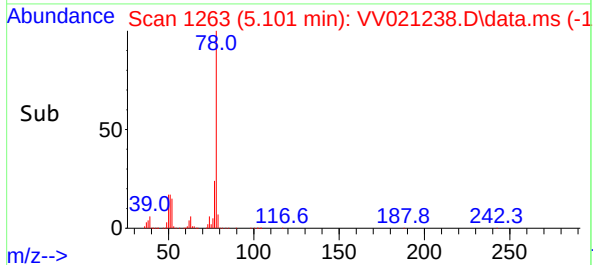
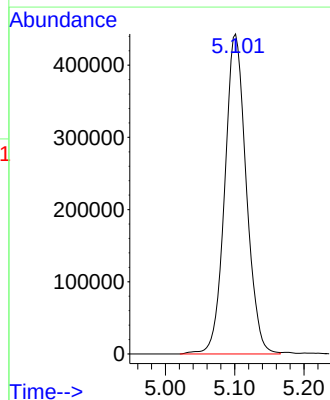
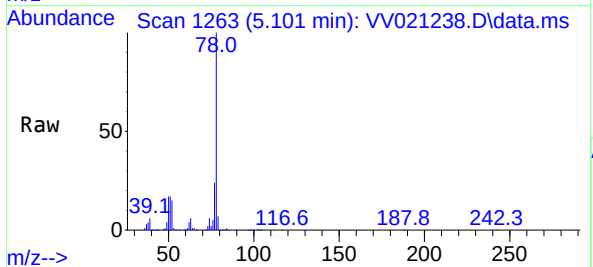
Instrument :  
MSVOA\_V  
ClientSampled :

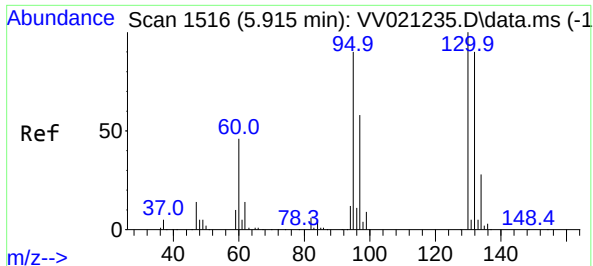
Tgt Ion:117 Resp: 536392  
Ion Ratio Lower Upper  
117 100  
119 97.0 75.4 113.2



#33  
Benzene  
Concen: 47.33 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 78 Resp: 955384



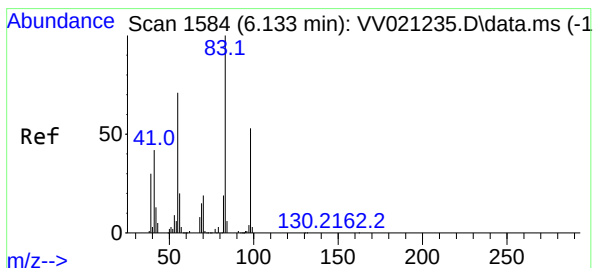
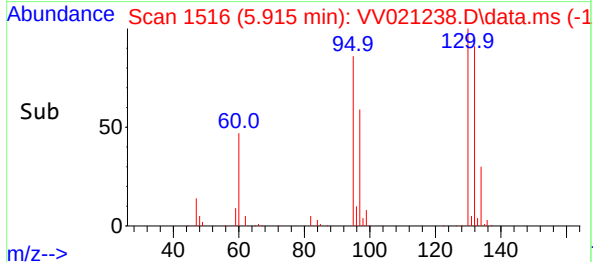
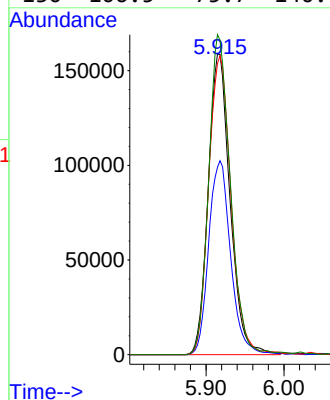
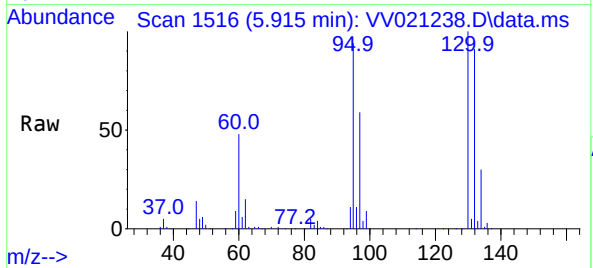


#34  
Trichloroethene  
Concen: 47.68 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 95 Resp: 309664

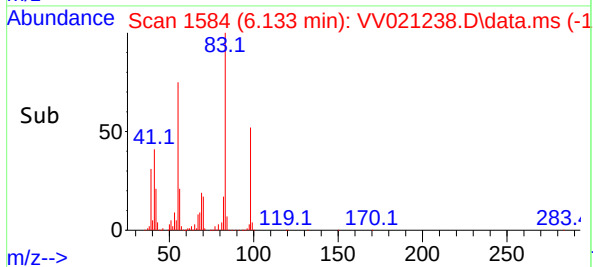
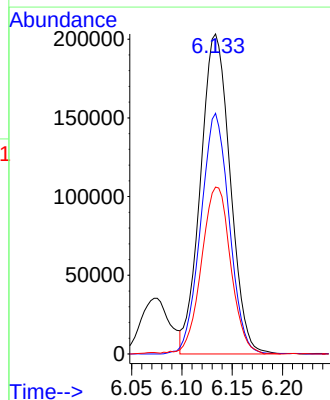
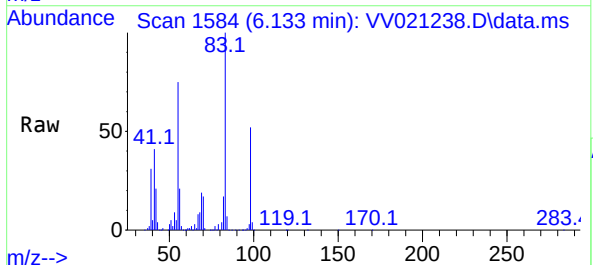
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.4  | 45.5  | 84.5  |
| 132 | 96.9  | 71.0  | 131.8 |
| 130 | 106.5 | 75.7  | 140.7 |



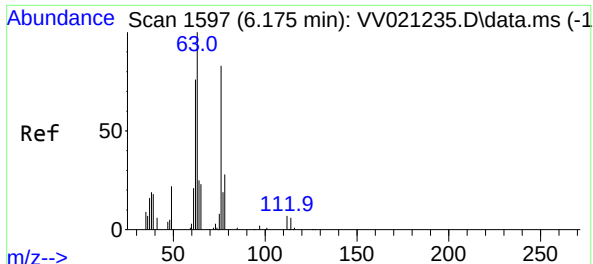
#35  
Methylcyclohexane  
Concen: 49.22 ug/L  
RT: 6.133 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 83 Resp: 417549

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 72.3  | 58.2  | 87.2  |
| 98  | 51.3  | 40.6  | 60.8  |



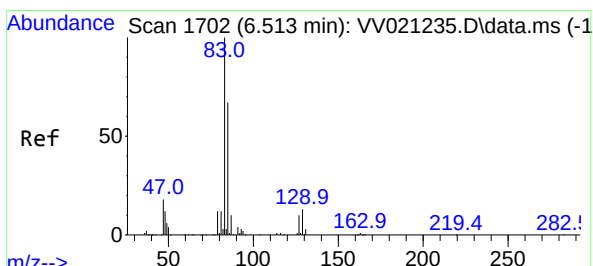
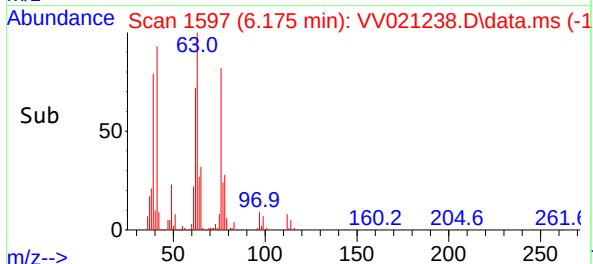
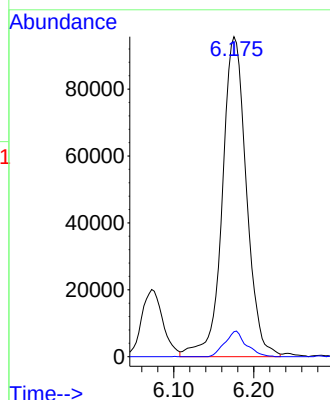
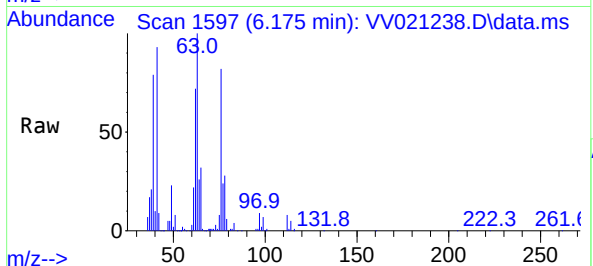




#37  
1,2-Dichloropropane  
Concen: 47.00 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

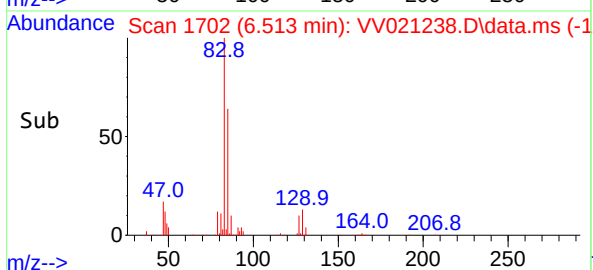
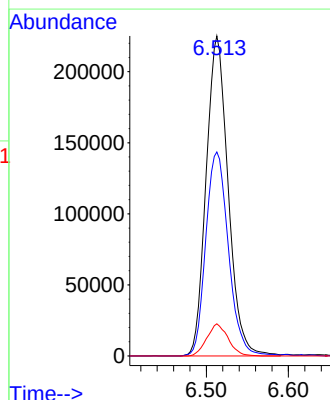
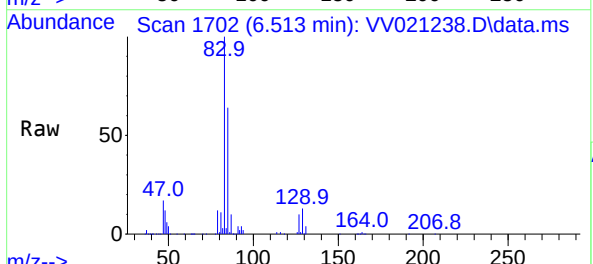
Instrument :  
MSVOA\_V  
ClientSampled :

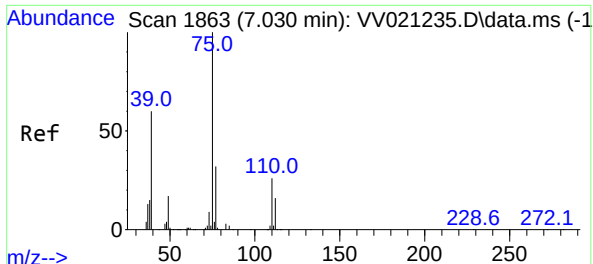
Tgt Ion: 63 Resp: 200303  
Ion Ratio Lower Upper  
63 100  
112 7.1 3.9 5.9#



#38  
Bromodichloromethane  
Concen: 46.48 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 83 Resp: 420278  
Ion Ratio Lower Upper  
83 100  
85 63.8 46.2 85.8  
127 10.0 7.4 11.0

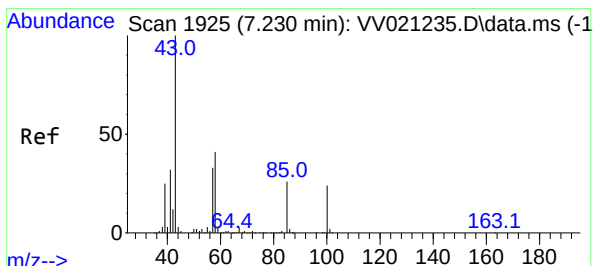
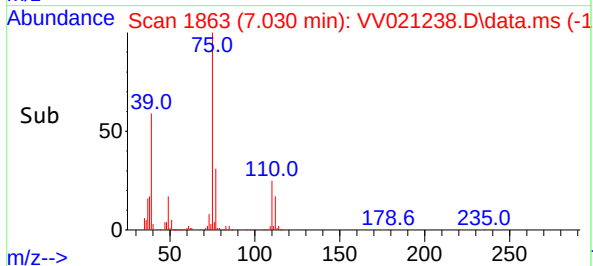
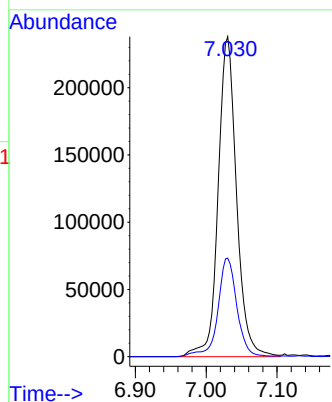
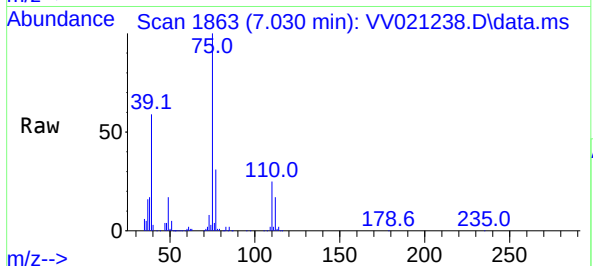




#39  
cis-1,3-Dichloropropene  
Concen: 51.67 ug/L  
RT: 7.030 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

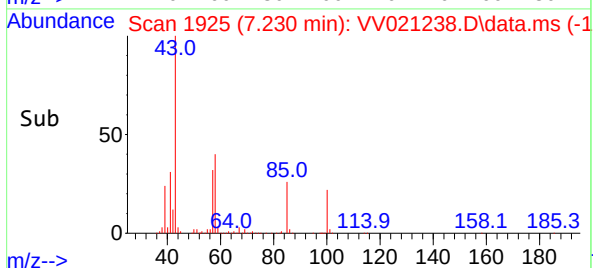
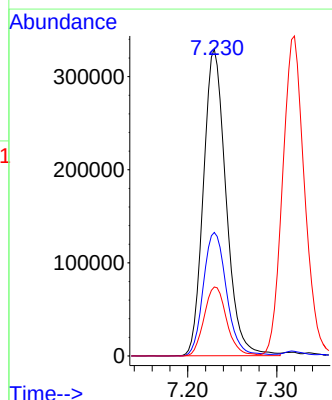
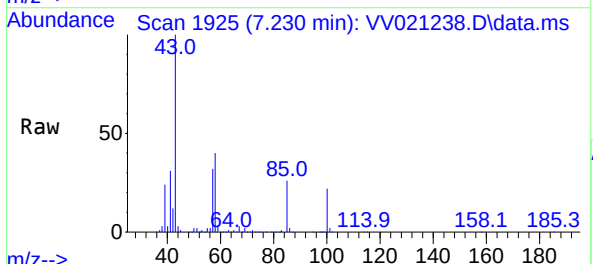
Instrument :  
MSVOA\_V  
ClientSampled :

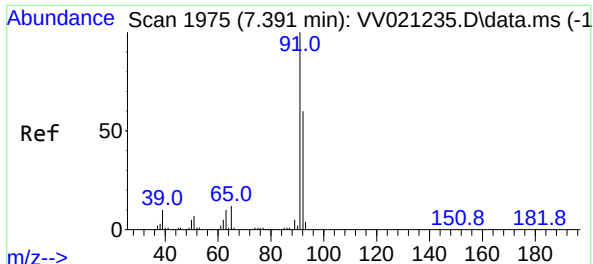
Tgt Ion: 75 Resp: 429704  
Ion Ratio Lower Upper  
75 100  
77 30.8 21.8 40.6



#40  
4-Methyl-2-pentanone  
Concen: 96.18 ug/L  
RT: 7.230 min Scan# 1925  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 43 Resp: 580774  
Ion Ratio Lower Upper  
43 100  
58 41.5 34.5 51.7  
100 22.5 15.2 22.8

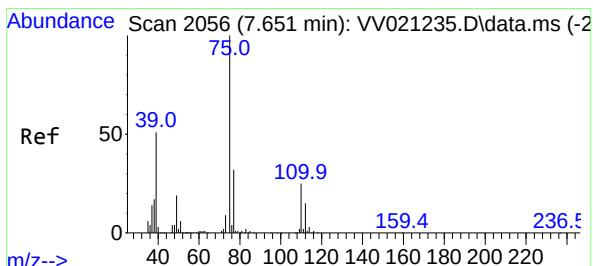
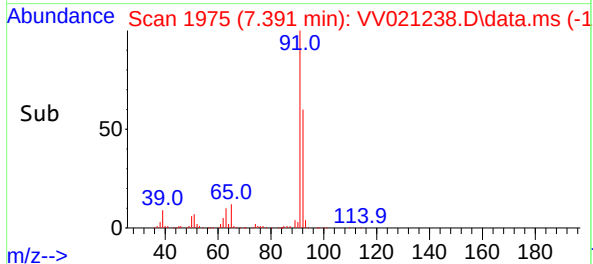
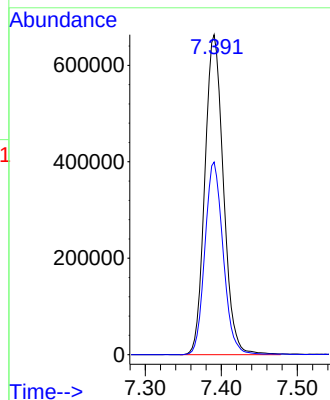
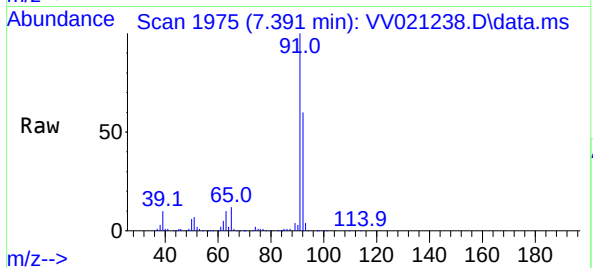




#42  
Toluene  
Concen: 47.93 ug/L  
RT: 7.391 min Scan# 1975  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

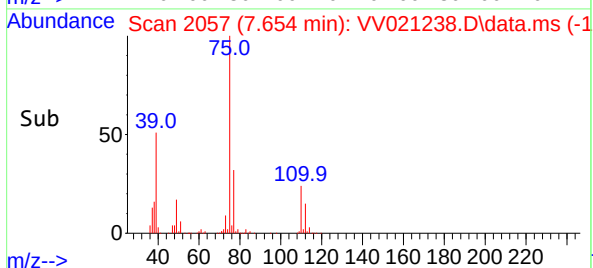
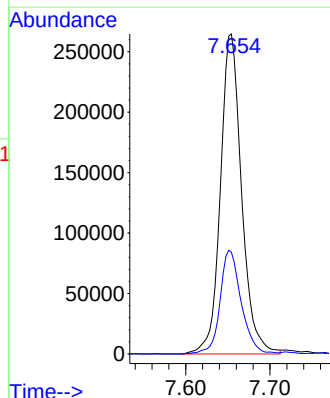
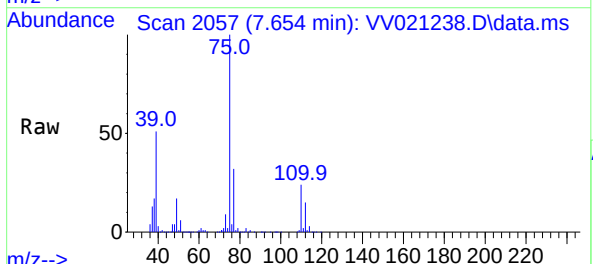
Instrument :  
MSVOA\_V  
ClientSampled :

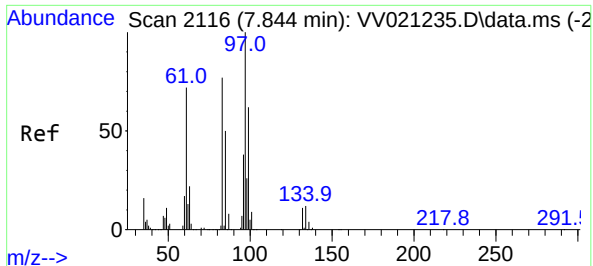
Tgt Ion: 91 Resp: 1127427  
Ion Ratio Lower Upper  
91 100  
92 60.2 41.0 76.2



#44  
trans-1,3-Dichloropropene  
Concen: 50.86 ug/L  
RT: 7.654 min Scan# 2057  
Delta R.T. 0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 75 Resp: 461378  
Ion Ratio Lower Upper  
75 100  
77 31.8 21.8 40.6



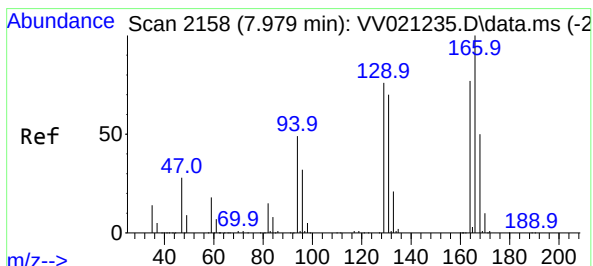
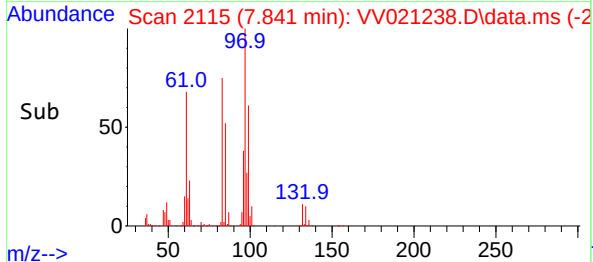
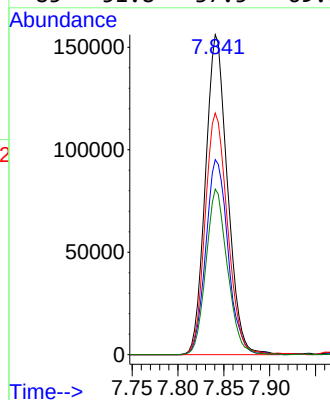
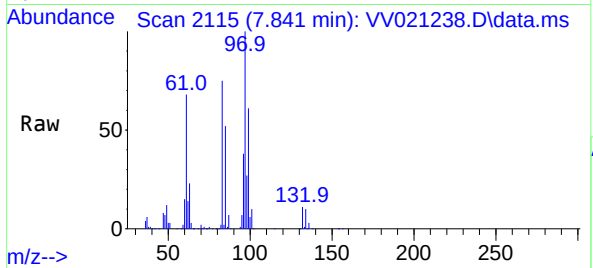


#45  
1,1,2-Trichloroethane  
Concen: 47.82 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. -0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 97 Resp: 261522

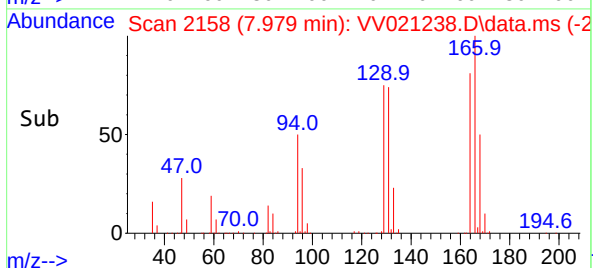
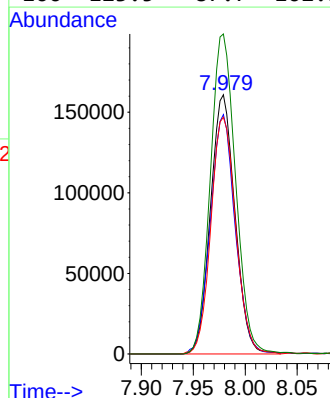
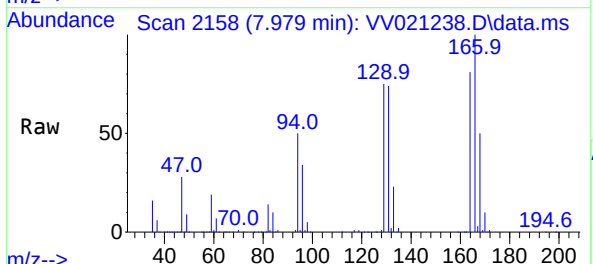
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 60.9  | 43.7  | 81.1  |
| 83  | 75.5  | 59.6  | 110.6 |
| 85  | 51.8  | 37.5  | 69.6  |

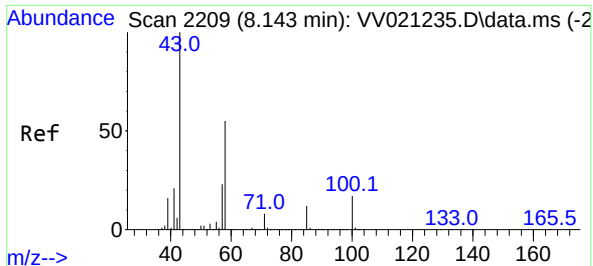


#46  
Tetrachloroethene  
Concen: 47.11 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 164 Resp: 262969

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 92.4  | 63.8  | 118.4 |
| 131 | 91.4  | 59.3  | 110.1 |
| 166 | 123.5 | 87.7  | 162.9 |

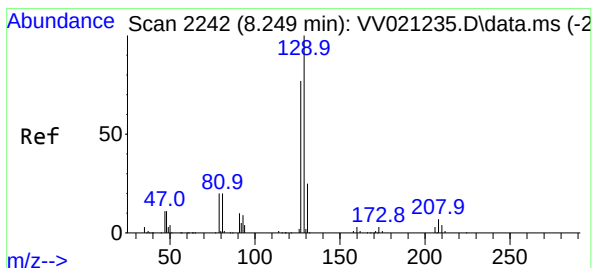
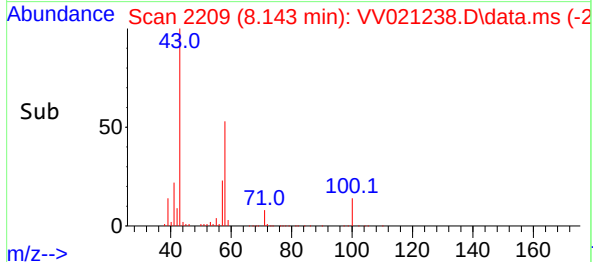
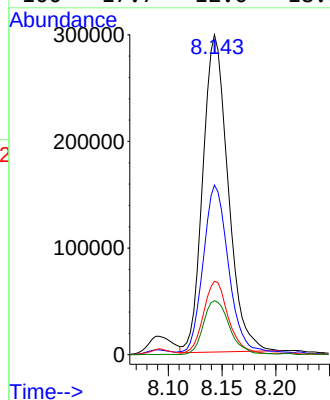
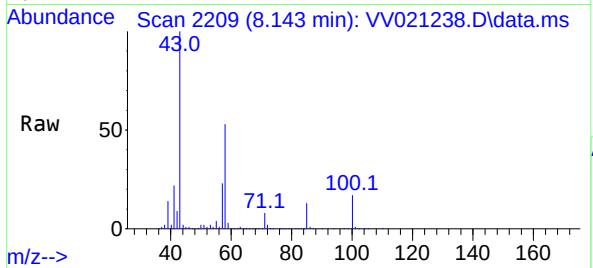




#48  
2-Hexanone  
Concen: 100.35 ug/L  
RT: 8.143 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

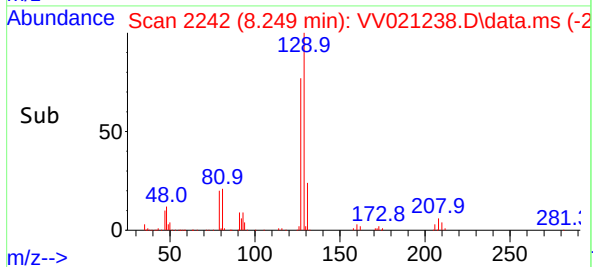
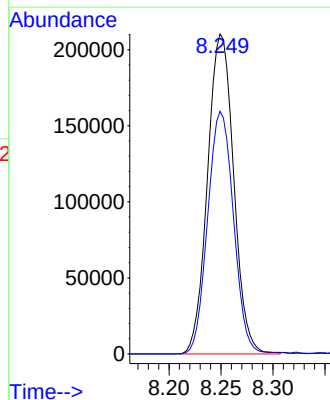
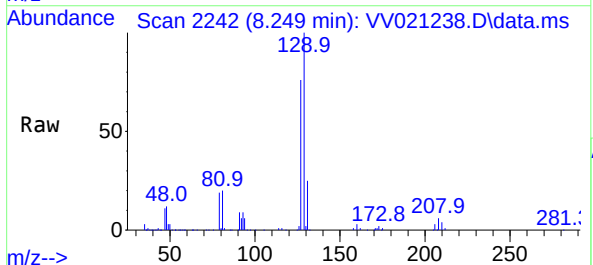
Instrument :  
MSVOA\_V  
ClientSampled :

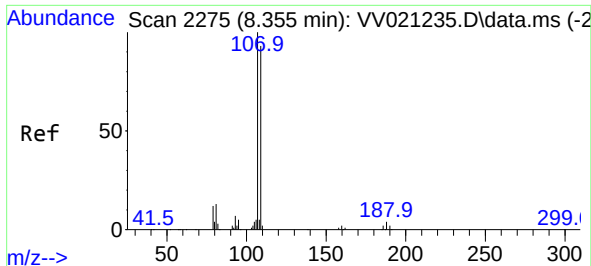
Tgt Ion: 43 Resp: 486796  
Ion Ratio Lower Upper  
43 100  
58 55.2 46.8 70.2  
57 22.6 17.6 26.4  
100 17.7 12.0 18.0



#49  
Dibromochloromethane  
Concen: 47.45 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 129 Resp: 368133  
Ion Ratio Lower Upper  
129 100  
127 75.8 55.2 102.6

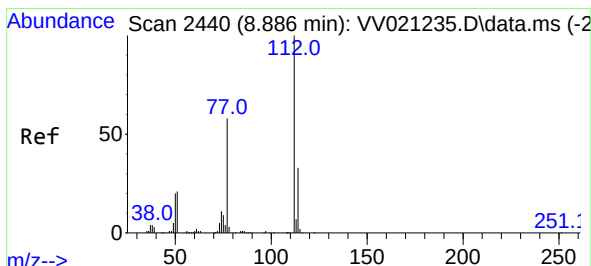
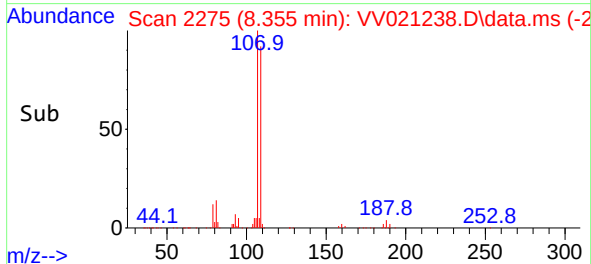
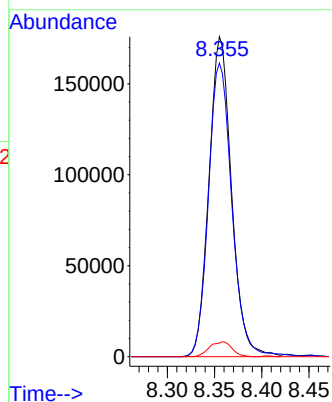
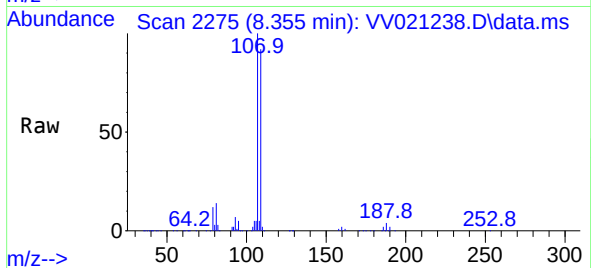




#50  
1,2-Dibromoethane  
Concen: 47.40 ug/L  
RT: 8.355 min Scan# 2275  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

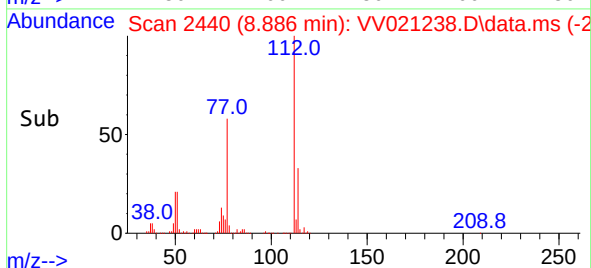
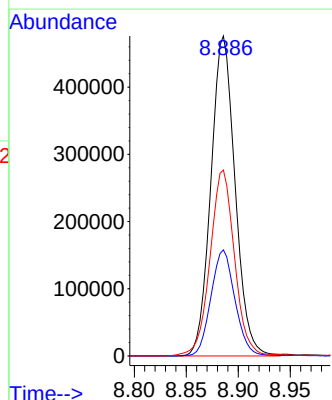
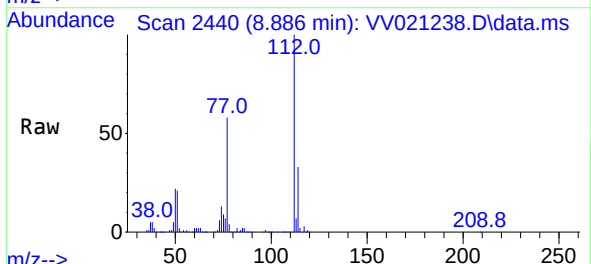
Instrument :  
MSVOA\_V  
ClientSampleId :

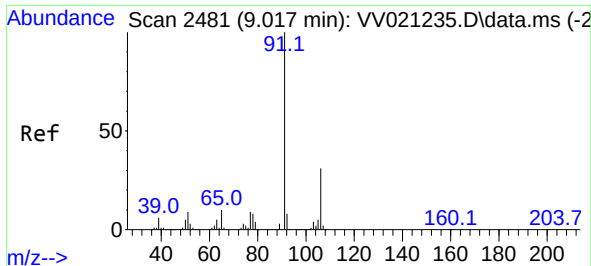
Tgt Ion:107 Resp: 291989  
Ion Ratio Lower Upper  
107 100  
109 91.7 63.8 118.6  
188 4.2 3.4 5.0



#51  
Chlorobenzene  
Concen: 47.47 ug/L  
RT: 8.886 min Scan# 2440  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion:112 Resp: 771967  
Ion Ratio Lower Upper  
112 100  
114 33.1 22.8 42.4  
77 58.1 44.2 66.2

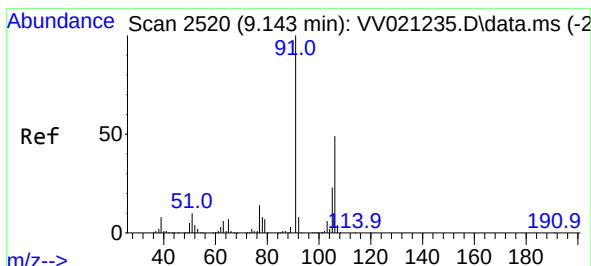
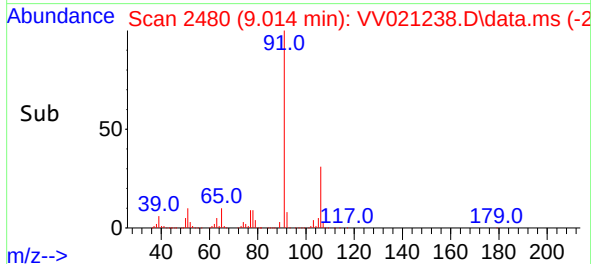
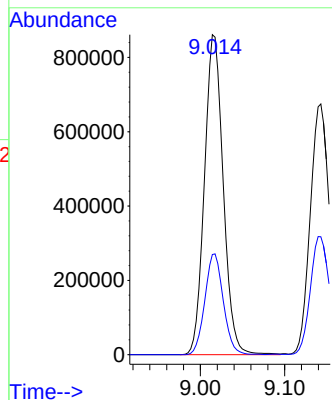
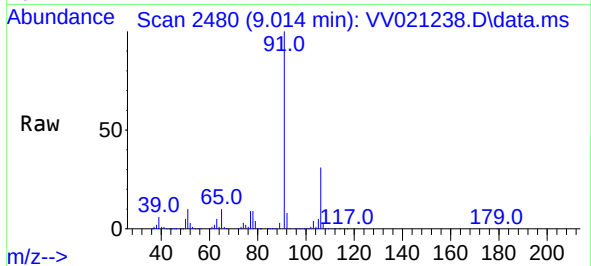




#52  
Ethylbenzene  
Concen: 49.25 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. -0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

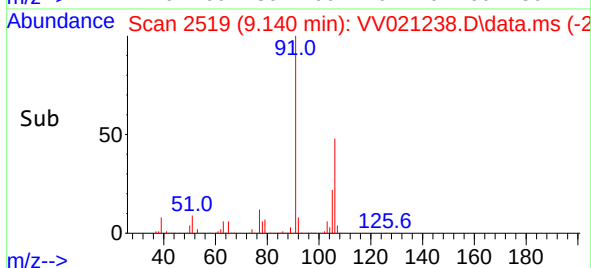
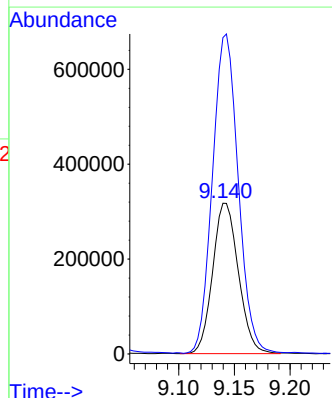
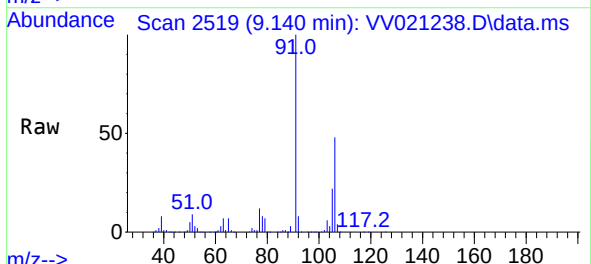
Instrument :  
MSVOA\_V  
ClientSampled :

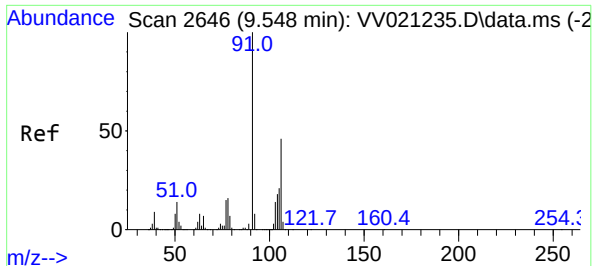
Tgt Ion: 91 Resp: 1338312  
Ion Ratio Lower Upper  
91 100  
106 31.3 21.8 40.4



#53  
m,p-Xylene  
Concen: 47.78 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. -0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 106 Resp: 509885  
Ion Ratio Lower Upper  
106 100  
91 209.8 144.3 267.9

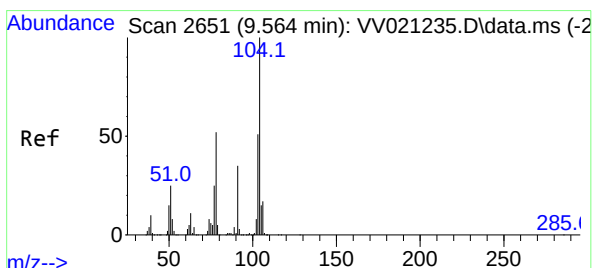
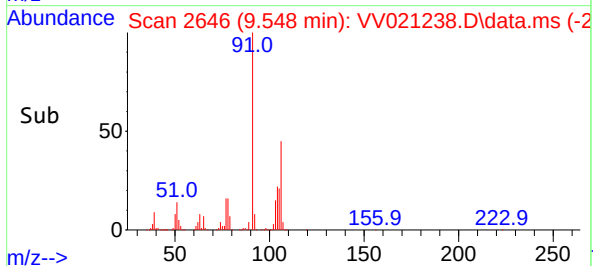
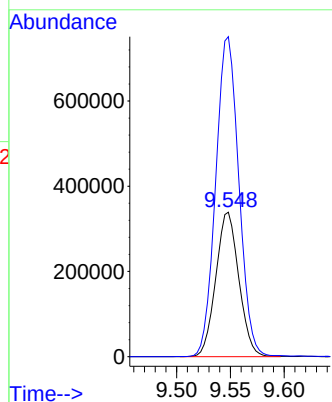
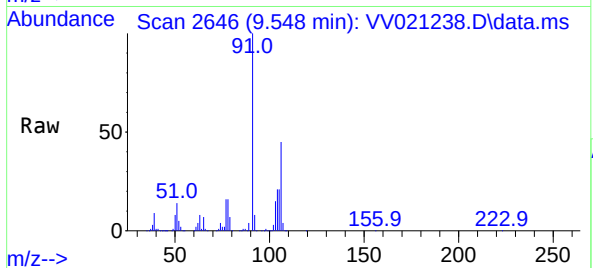




#54  
o-Xylene  
Concen: 49.22 ug/L  
RT: 9.548 min Scan# 2646  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

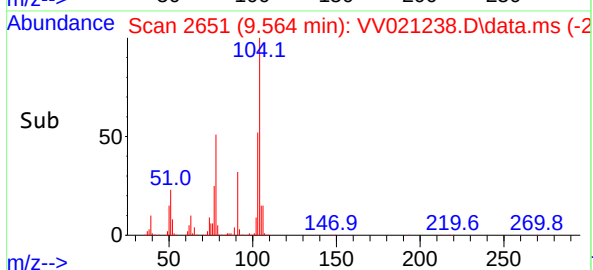
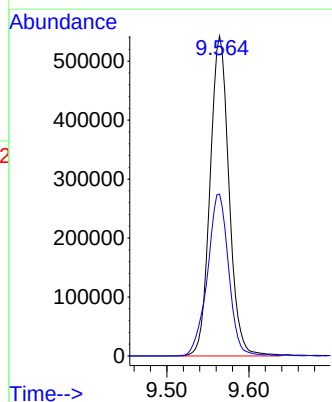
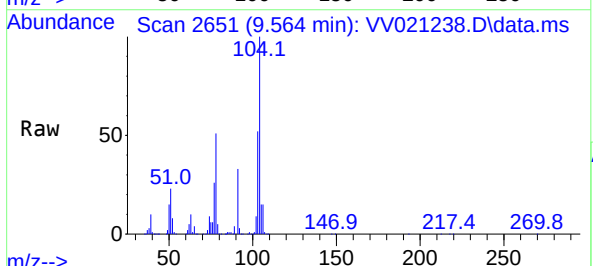
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 506259  
Ion Ratio Lower Upper  
106 100  
91 221.4 150.4 279.4

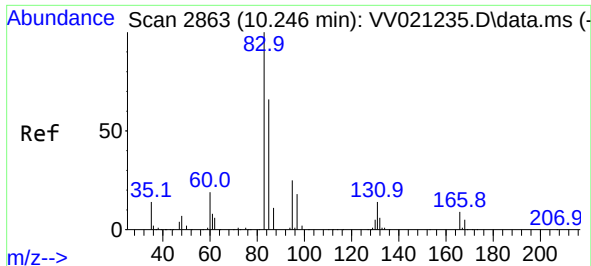


#55  
Styrene  
Concen: 49.75 ug/L  
RT: 9.564 min Scan# 2651  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion:104 Resp: 871190  
Ion Ratio Lower Upper  
104 100  
78 50.6 32.4 60.2



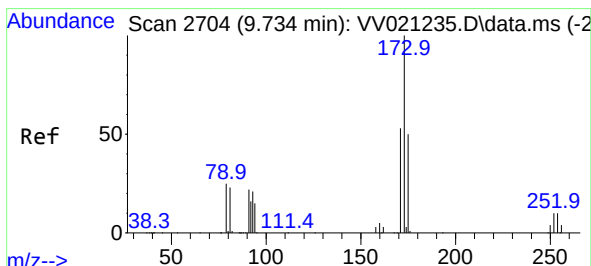
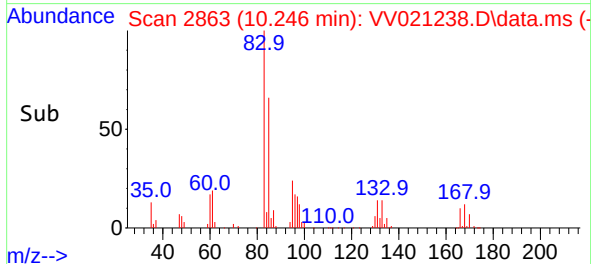
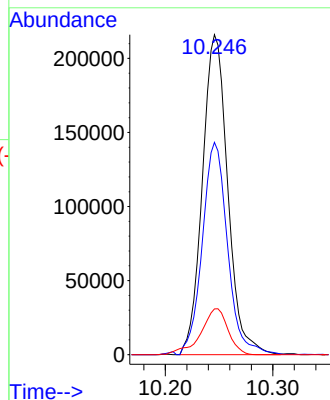
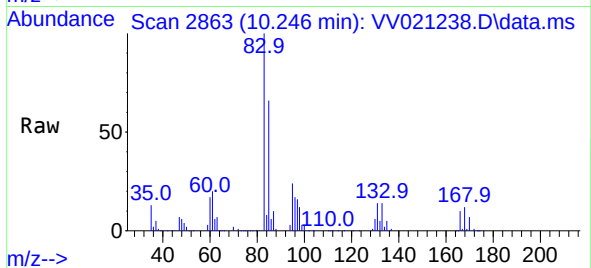




#57  
1,1,2,2-Tetrachloroethane  
Concen: 47.85 ug/L  
RT: 10.246 min Scan# 2863  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

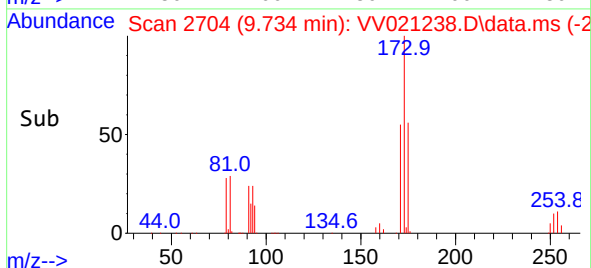
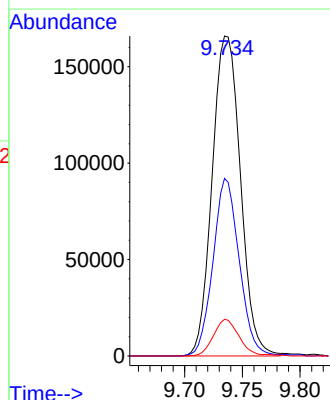
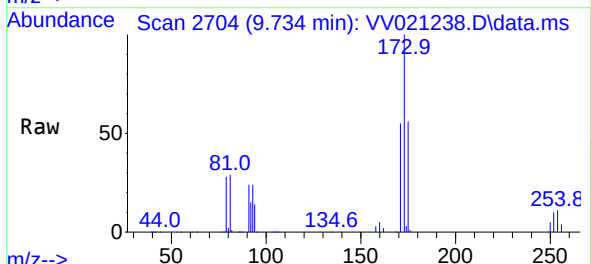
Instrument :  
MSVOA\_V  
ClientSampleId :

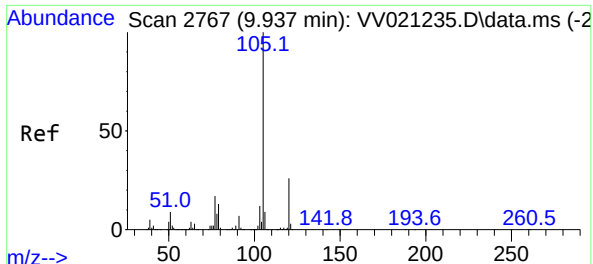
Tgt Ion: 83 Resp: 353696  
Ion Ratio Lower Upper  
83 100  
85 66.4 45.8 85.0  
131 14.3 8.8 13.2#



#59  
Bromoform  
Concen: 45.96 ug/L  
RT: 9.734 min Scan# 2704  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 173 Resp: 282866  
Ion Ratio Lower Upper  
173 100  
175 51.3 38.9 58.3  
254 10.2 8.3 12.5

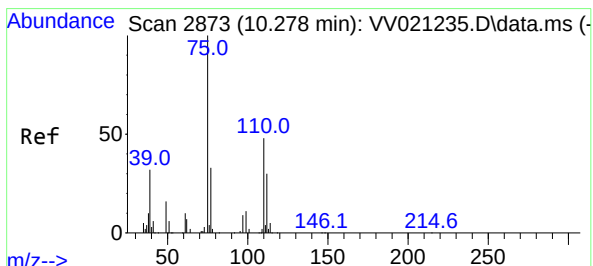
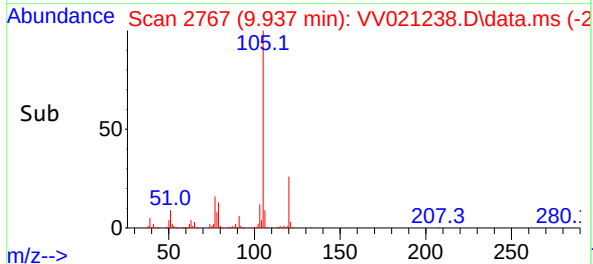
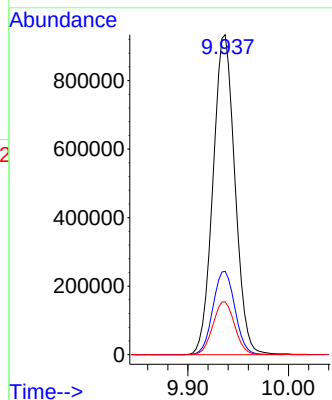
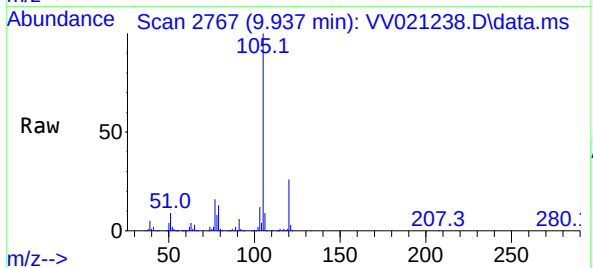




#60  
Isopropylbenzene  
Concen: 48.06 ug/L  
RT: 9.937 min Scan# 2767  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

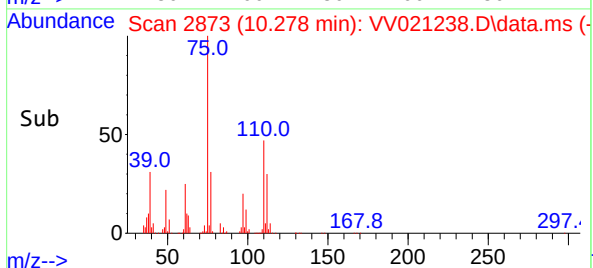
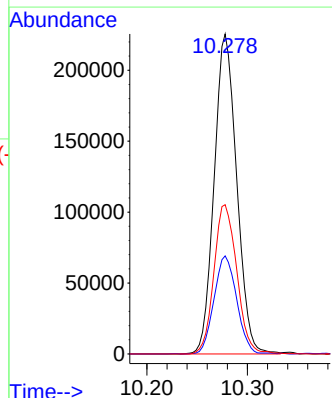
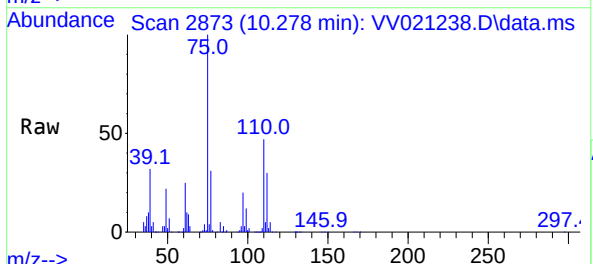
Instrument :  
MSVOA\_V  
ClientSampled :

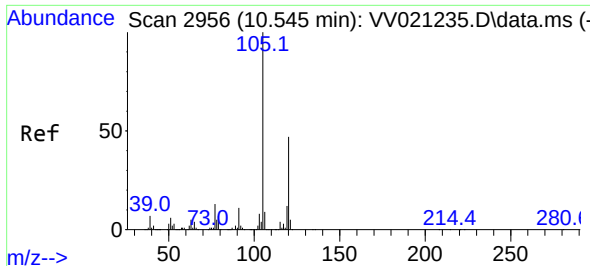
Tgt Ion:105 Resp: 1411948  
Ion Ratio Lower Upper  
105 100  
120 26.3 21.8 32.6  
77 16.5 12.9 19.3



#61  
1,2,3-Trichloropropane  
Concen: 46.67 ug/L  
RT: 10.278 min Scan# 2873  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 75 Resp: 350858  
Ion Ratio Lower Upper  
75 100  
77 30.8 25.8 38.8  
110 47.2 34.9 52.3

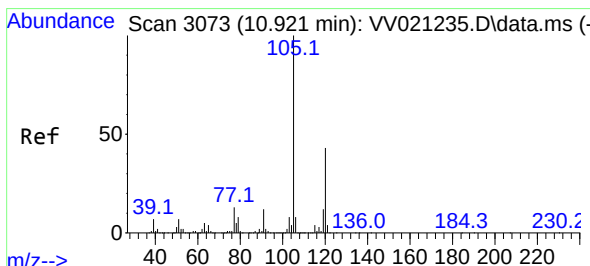
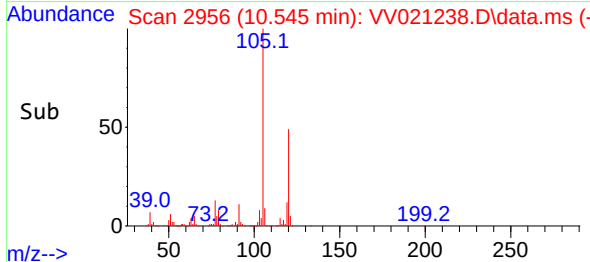
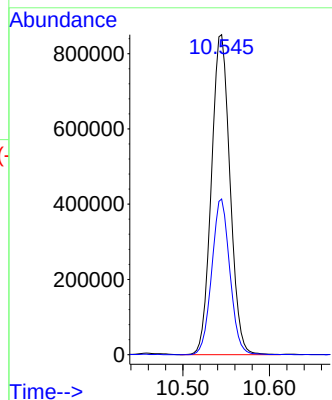
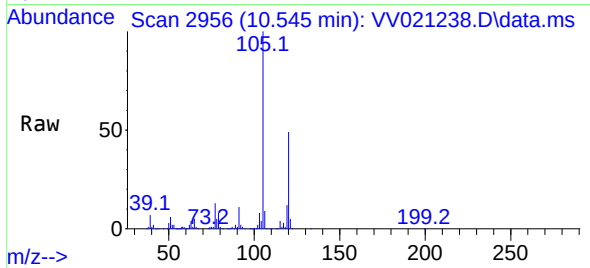




#62  
1,3,5-Trimethylbenzene  
Concen: 49.41 ug/L  
RT: 10.545 min Scan# 2956  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

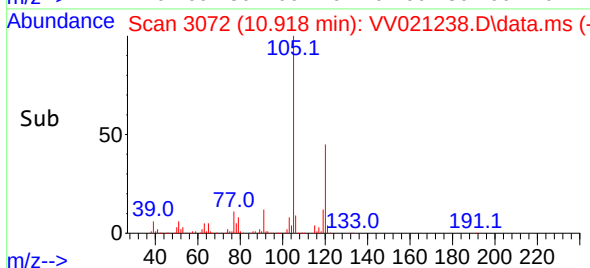
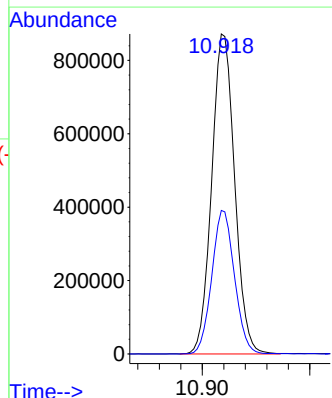
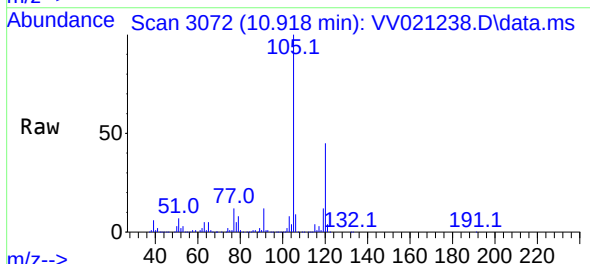
Instrument :  
MSVOA\_V  
ClientSampled :

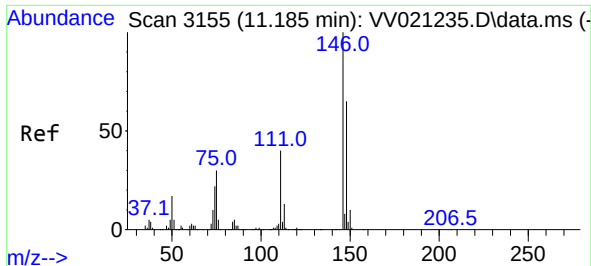
Tgt Ion:105 Resp: 1271455  
Ion Ratio Lower Upper  
105 100  
120 47.3 38.9 58.3



#63  
1,2,4-Trimethylbenzene  
Concen: 50.00 ug/L  
RT: 10.918 min Scan# 3072  
Delta R.T. -0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion:105 Resp: 1291050  
Ion Ratio Lower Upper  
105 100  
120 44.3 37.7 56.5

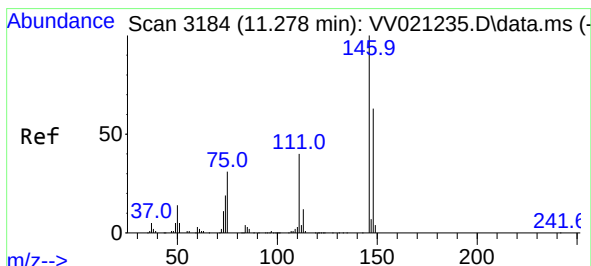
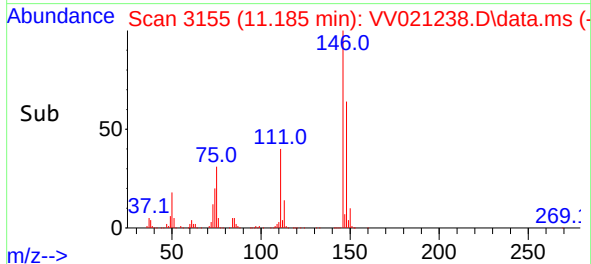
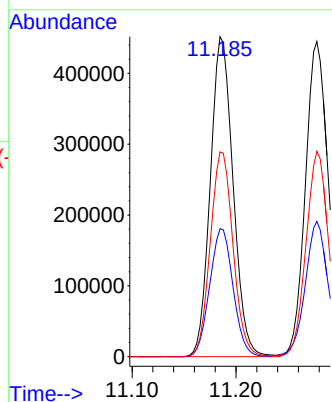
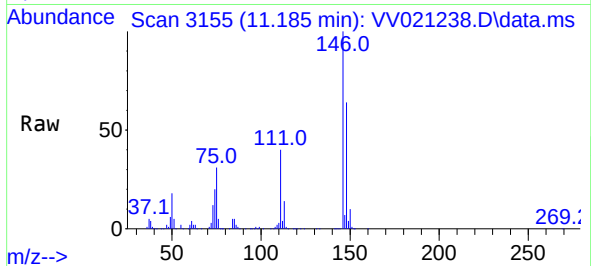




#64  
1,3-Dichlorobenzene  
Concen: 48.19 ug/L  
RT: 11.185 min Scan# 3155  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

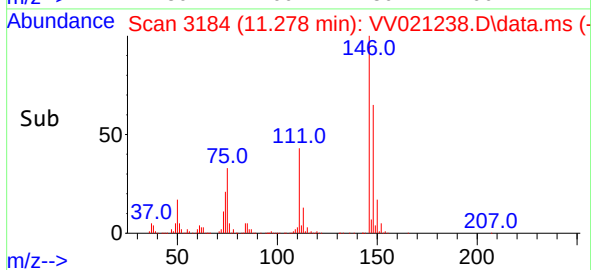
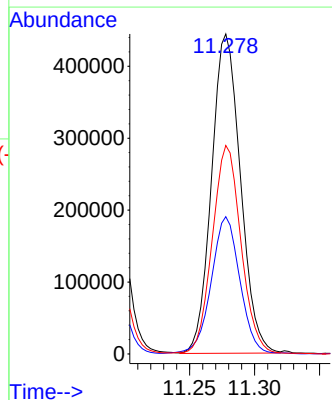
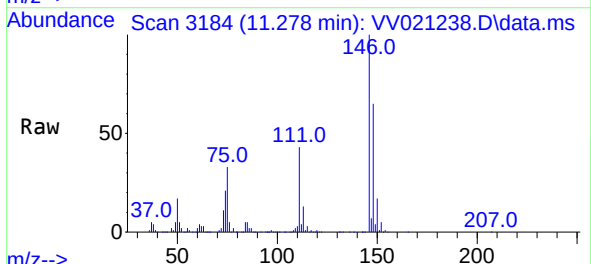
Instrument :  
MSVOA\_V  
ClientSampled :

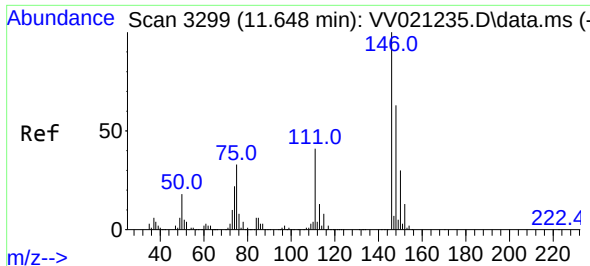
Tgt Ion:146 Resp: 687457  
Ion Ratio Lower Upper  
146 100  
111 40.0 27.6 51.2  
148 64.0 45.1 83.7



#65  
1,4-Dichlorobenzene  
Concen: 46.95 ug/L  
RT: 11.278 min Scan# 3184  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion:146 Resp: 685882  
Ion Ratio Lower Upper  
146 100  
111 42.9 26.3 48.9  
148 65.1 44.7 82.9

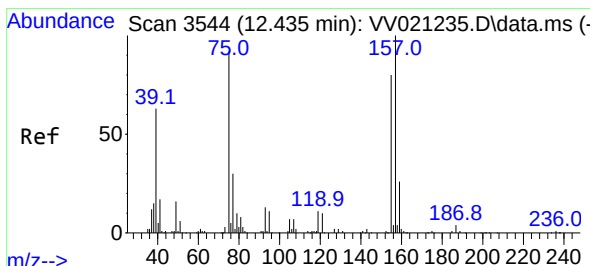
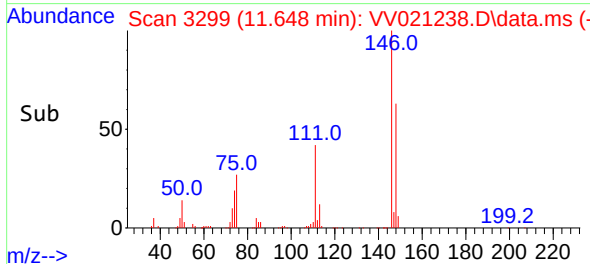
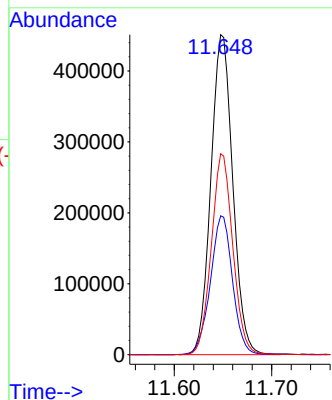
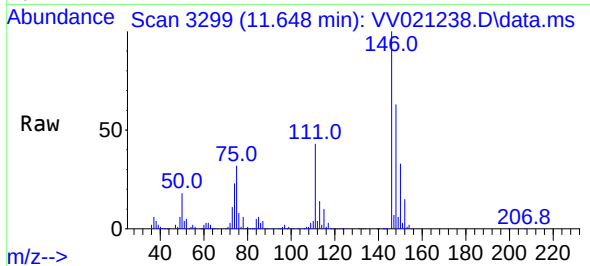




#67  
1,2-Dichlorobenzene  
Concen: 48.92 ug/L  
RT: 11.648 min Scan# 3299  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

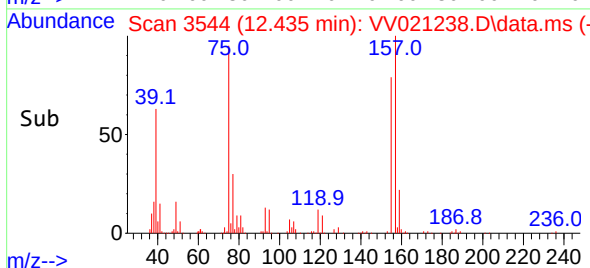
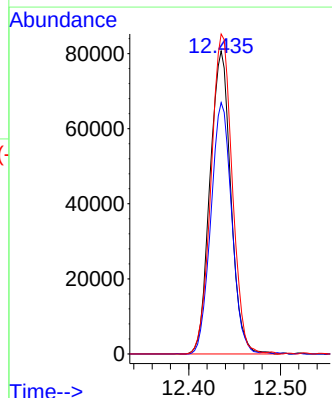
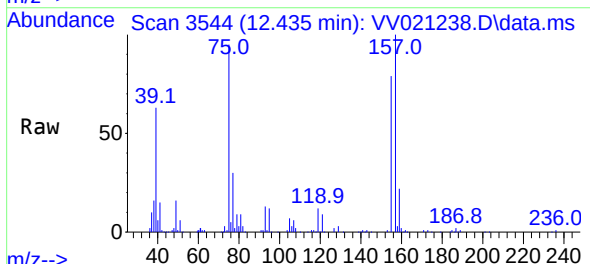
Instrument :  
MSVOA\_V  
ClientSampled :

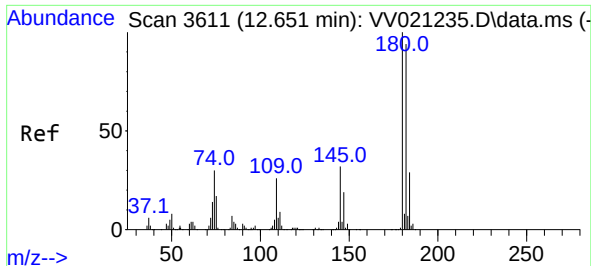
Tgt Ion:146 Resp: 704919  
Ion Ratio Lower Upper  
146 100  
111 43.4 33.2 49.8  
148 62.8 50.6 75.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 48.76 ug/L  
RT: 12.435 min Scan# 3544  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion: 75 Resp: 127495  
Ion Ratio Lower Upper  
75 100  
155 82.9 72.8 109.2  
157 105.6 94.6 142.0



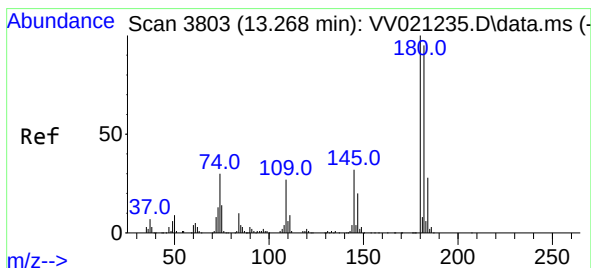
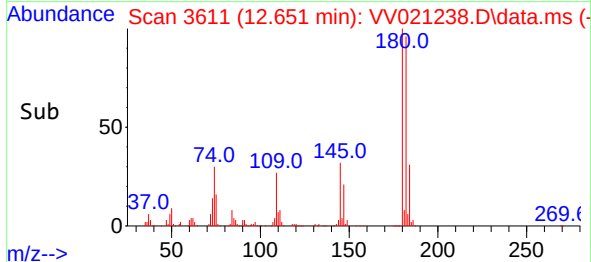
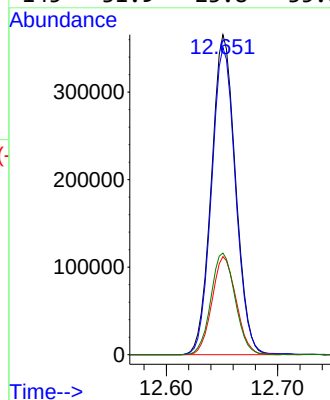
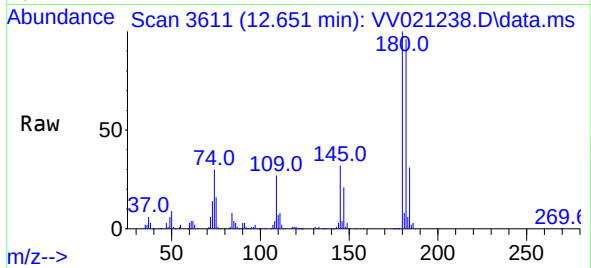


#69  
1,3,5-Trichlorobenzene  
Concen: 49.90 ug/L  
RT: 12.651 min Scan# 3611  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:180 Resp: 551287

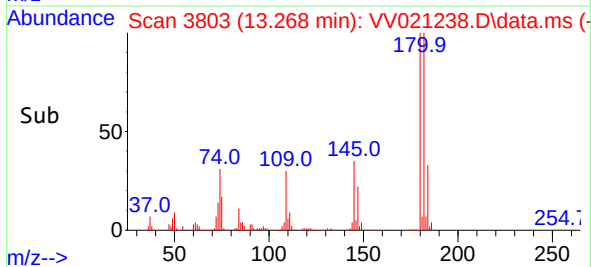
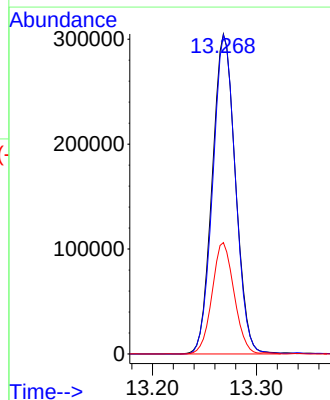
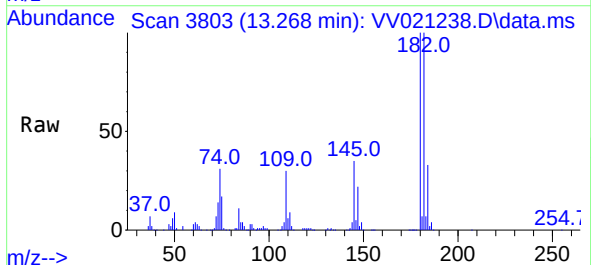
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.6  | 77.4  | 116.0 |
| 184 | 30.5  | 24.1  | 36.1  |
| 145 | 31.9  | 23.8  | 35.8  |

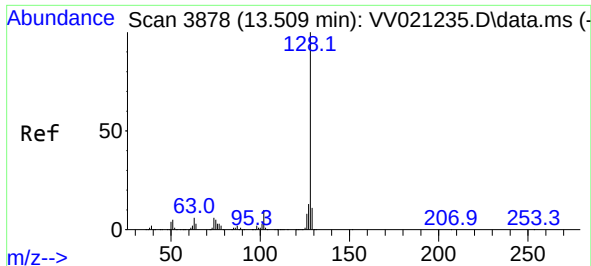


#70  
1,2,4-trichlorobenzene  
Concen: 52.40 ug/L  
RT: 13.268 min Scan# 3803  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion:180 Resp: 471332

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.4  | 77.5  | 116.3 |
| 145 | 33.1  | 24.3  | 36.5  |

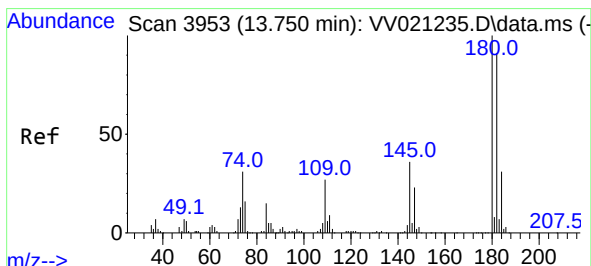
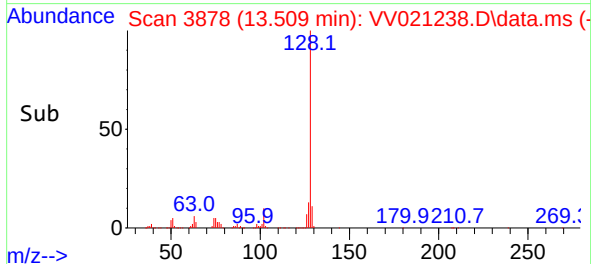
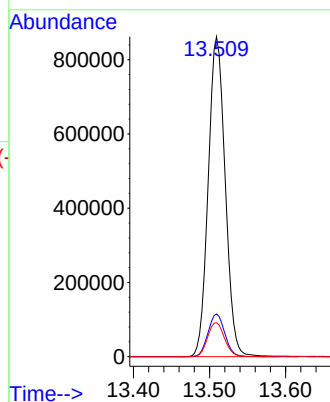
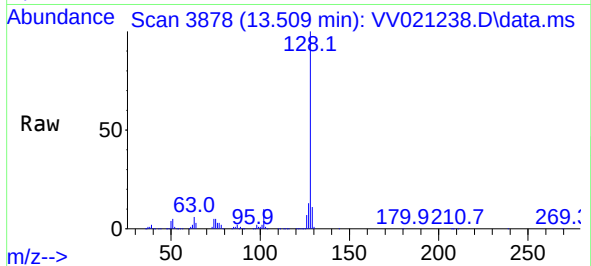




#71  
Naphthalene  
Concen: 54.11 ug/L  
RT: 13.509 min Scan# 3878  
Delta R.T. 0.000 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:128 Resp: 1336752  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.3 15.5  
129 10.6 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 53.49 ug/L  
RT: 13.754 min Scan# 3954  
Delta R.T. 0.003 min  
Lab File: VV021238.D  
Acq: 03 May 2021 11:40

Tgt Ion:180 Resp: 486945  
Ion Ratio Lower Upper  
180 100  
182 96.1 75.9 113.9  
145 34.8 25.0 37.6

