

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW052521\  
 Data File : VW021410.D  
 Acq On : 26 May 2021 00:01  
 Operator : SY/MD  
 Sample : M2496-08MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GB439MSD

Quant Time: May 26 07:56:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR052521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed May 26 07:52:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| Internal Standards            |        |                |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114            | 227885   | 5.00       | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 213882   | 5.00       | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 120149   | 5.00       | ug/L   | 0.00     |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65             | 57693    | 5.98       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | = 119.60%  |        |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 54173    | 5.89       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | = 117.80%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 118110   | 6.46       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | = 129.20%# |        |          |
| 20) 2-Butanone-d5             | 3.902  | 46             | 238527   | 68.82      | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | = 137.64%# |        |          |
| 24) Chloroform-d              | 4.352  | 84             | 147805   | 5.53       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | = 110.60%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65             | 71733    | 5.83       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | = 116.60%  |        |          |
| 32) Benzene-d6                | 5.053  | 84             | 282209   | 5.48       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | = 109.60%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67             | 90080    | 5.40       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | = 108.00%  |        |          |
| 41) Toluene-d8                | 7.320  | 98             | 258242   | 5.47       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | = 109.40%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 34054    | 4.90       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | = 98.00%   |        |          |
| 46) 2-Hexanone-d5             | 8.091  | 63             | 204225   | 62.44      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | = 124.88%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 79037    | 5.88       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | = 117.60%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 115749   | 5.59       | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | = 111.80%  |        |          |
| Target Compounds              |        |                |          |            |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127  | 85             | 75212    | 4.92       | ug/L   | 99       |
| 3) Chloromethane              | 1.240  | 50             | 79540    | 5.93       | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307  | 62             | 80974    | 5.81       | ug/L   | 99       |
| 6) Bromomethane               | 1.519  | 94             | 52733    | 5.78       | ug/L   | 100      |
| 8) Chloroethane               | 1.584  | 64             | 49080    | 5.85       | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.751  | 101            | 115788   | 5.39       | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101            | 59072    | 4.93       | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.117  | 96             | 89035    | 7.87       | ug/L   | 99       |
| 13) Acetone                   | 2.201  | 43             | 124863   | 63.90      | ug/L # | 31       |
| 14) Carbon disulfide          | 2.294  | 76             | 208946   | 5.50       | ug/L   | 99       |
| 15) Methyl Acetate            | 2.442  | 43             | 21300    | 4.62       | ug/L   | 94       |
| 16) Methylene chloride        | 2.507  | 84             | 80680    | 4.34       | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73             | 197806   | 6.06       | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96             | 77577    | 5.50       | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.191  | 63             | 149494   | 6.00       | ug/L   | 98       |
| 21) 2-Butanone                | 3.986  | 43             | 218536   | 65.66      | ug/L   | 88       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96             | 87604    | 5.71       | ug/L   | 99       |
| 23) Bromochloromethane        | 4.252  | 128            | 41410    | 6.00       | ug/L   | 98       |
| 25) Chloroform                | 4.378  | 83             | 141843   | 5.56       | ug/L   | 99       |

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 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 32 Sample Multiplier: 1

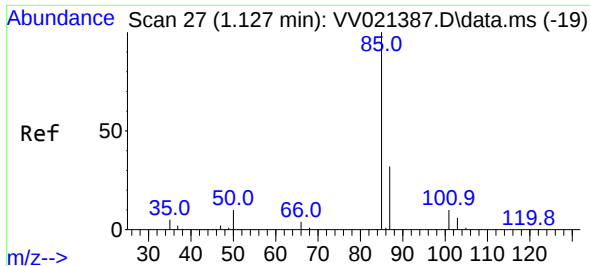
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GB439MSD

Quant Time: May 26 07:56:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR052521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed May 26 07:52:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.137  | 62   | 81036    | 5.87  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.613  | 97   | 140284   | 5.85  | ug/L  | 99       |
| 30) Cyclohexane               | 4.680  | 56   | 112248   | 4.75  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 116165   | 5.33  | ug/L  | 99       |
| 33) Benzene                   | 5.101  | 78   | 310272   | 5.56  | ug/L  | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 81784    | 5.33  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.133  | 83   | 107642   | 4.27  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 78527    | 5.67  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 105258   | 5.57  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 109185   | 4.92  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 531402   | 62.72 | ug/L  | 99       |
| 42) Toluene                   | 7.391  | 91   | 341783   | 5.54  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 92430    | 5.08  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 60125    | 5.87  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.979  | 164  | 96995    | 6.94  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.143  | 43   | 375928   | 65.27 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.249  | 129  | 80106    | 5.76  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 58463    | 5.92  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.882  | 112  | 226354   | 5.55  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 373633   | 5.41  | ug/L  | 99       |
| 53) m,p-xylene                | 9.140  | 106  | 142686   | 5.36  | ug/L  | 98       |
| 54) o-xylene                  | 9.545  | 106  | 142072   | 5.47  | ug/L  | 99       |
| 55) Styrene                   | 9.561  | 104  | 242086   | 5.53  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 73355    | 6.08  | ug/L  | 98       |
| 59) Bromoform                 | 9.735  | 173  | 52827    | 6.08  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 380819   | 5.36  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 51475    | 6.03  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 324227   | 5.35  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 333907   | 5.39  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 191826   | 5.48  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 188774   | 5.40  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 182864   | 5.64  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 12623    | 6.04  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 160281   | 5.08  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 142058   | 5.43  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 250331   | 6.11  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 131505   | 5.67  | ug/L  | 99       |

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

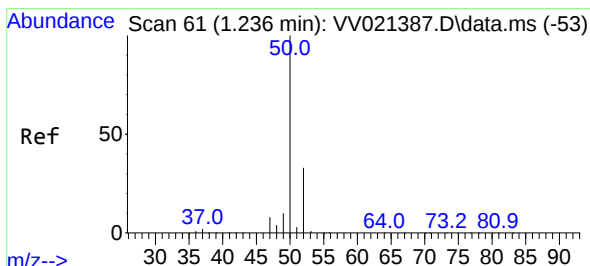
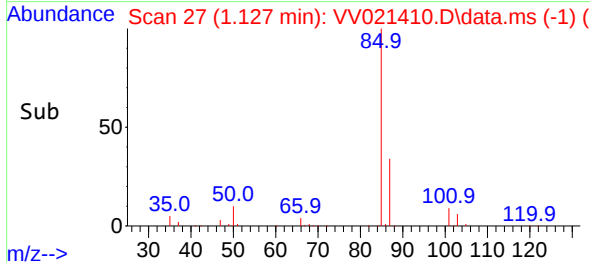
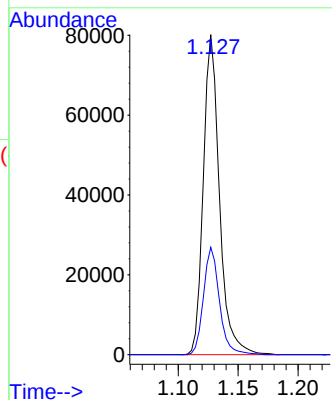
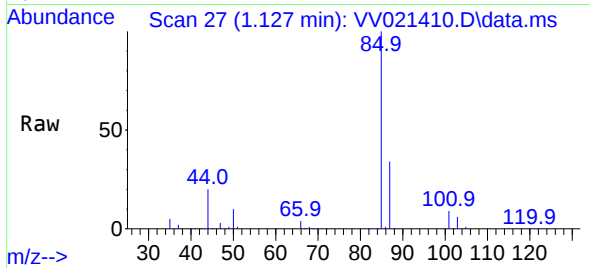




#2  
Dichlorodifluoromethane  
Concen: 4.92 ug/L  
RT: 1.127 min Scan# 27  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

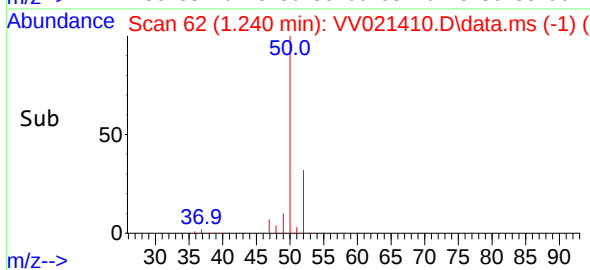
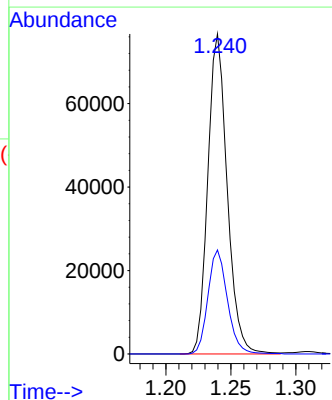
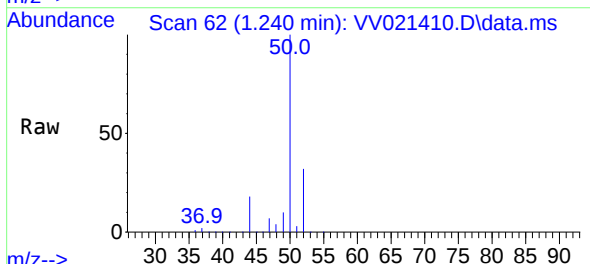
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

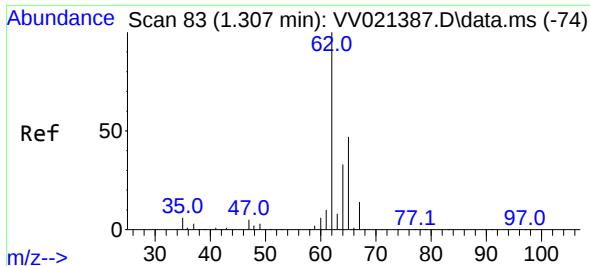
Tgt Ion: 85 Resp: 75212  
Ion Ratio Lower Upper  
85 100  
87 33.1 26.1 39.1



#3  
Chloromethane  
Concen: 5.93 ug/L  
RT: 1.240 min Scan# 62  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 50 Resp: 79540  
Ion Ratio Lower Upper  
50 100  
52 32.5 22.6 42.0

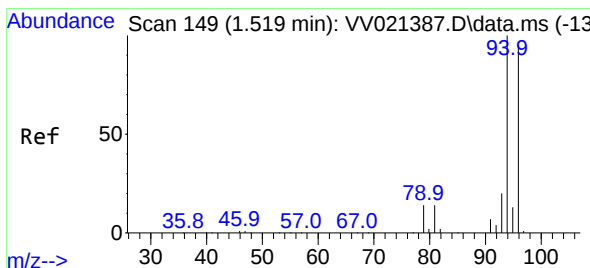
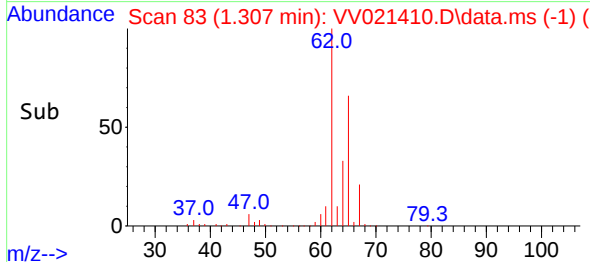
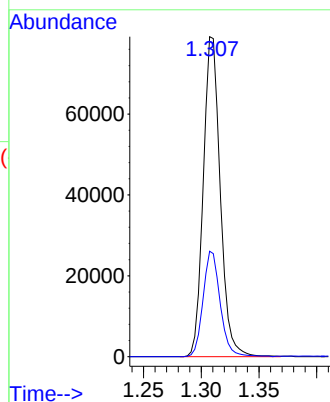
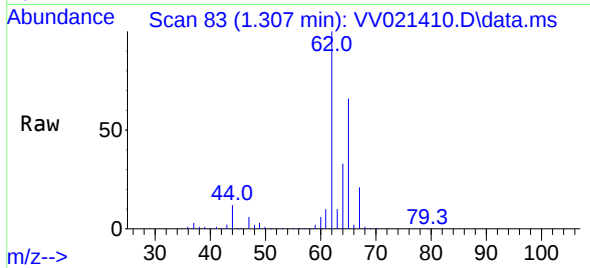




#5  
 Vinyl chloride  
 Concen: 5.81 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VV021410.D  
 Acq: 26 May 2021 00:01

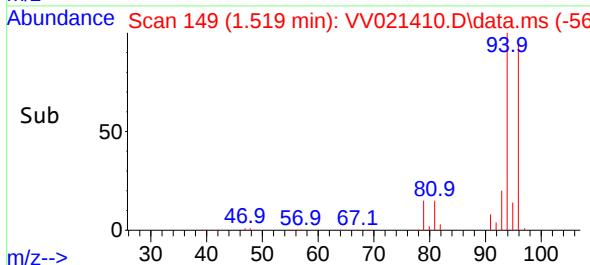
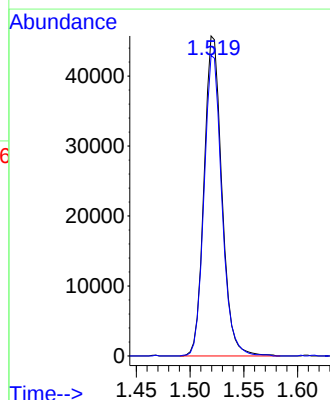
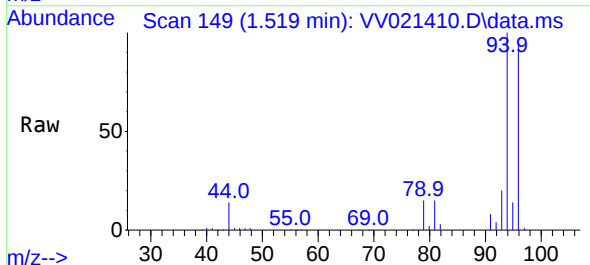
Instrument :  
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 ClientSampleId :  
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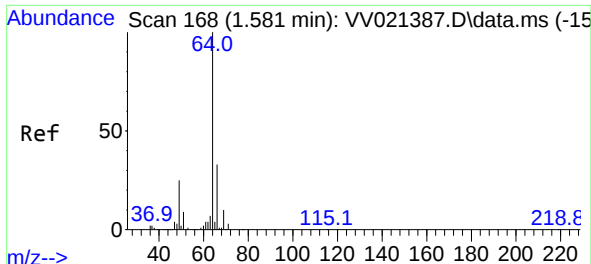
Tgt Ion: 62 Resp: 80974  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 22.6 42.0



#6  
 Bromomethane  
 Concen: 5.78 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. 0.000 min  
 Lab File: VV021410.D  
 Acq: 26 May 2021 00:01

Tgt Ion: 94 Resp: 52733  
 Ion Ratio Lower Upper  
 94 100  
 96 93.9 65.9 122.3

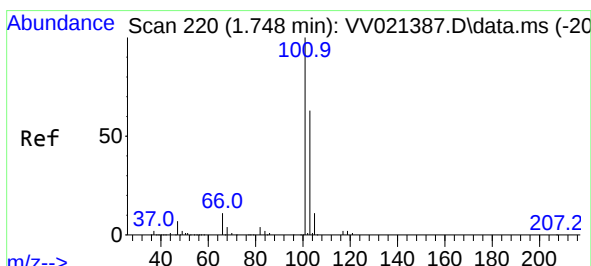
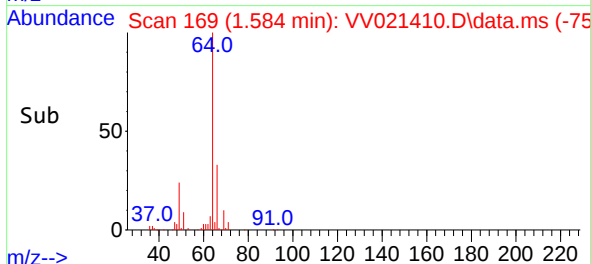
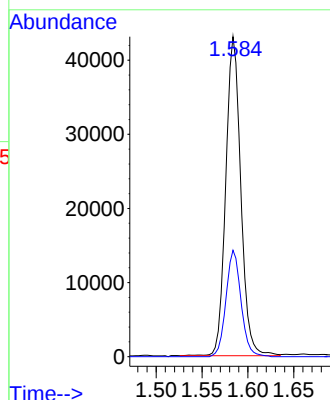
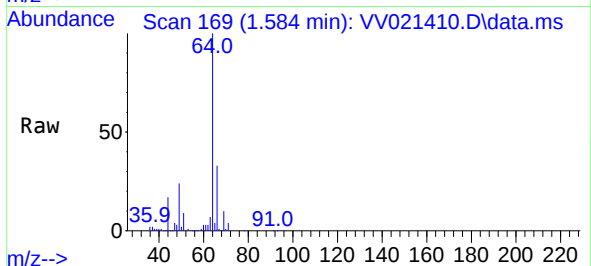




#8  
Chloroethane  
Concen: 5.85 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

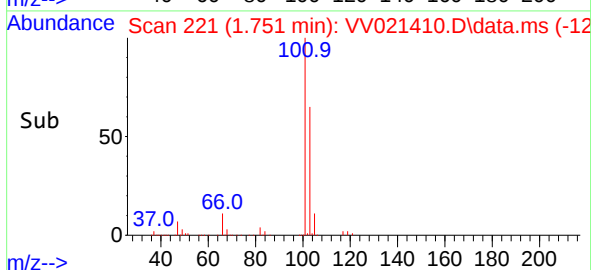
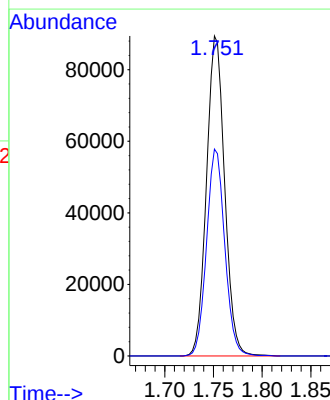
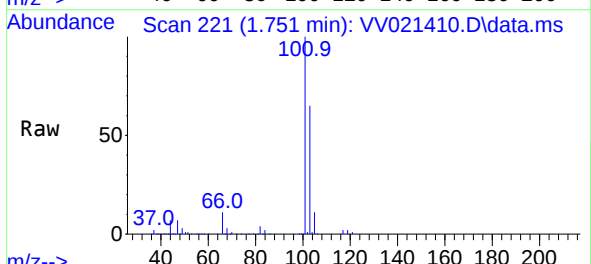
Instrument :  
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ClientSampleId :  
GB439MSD

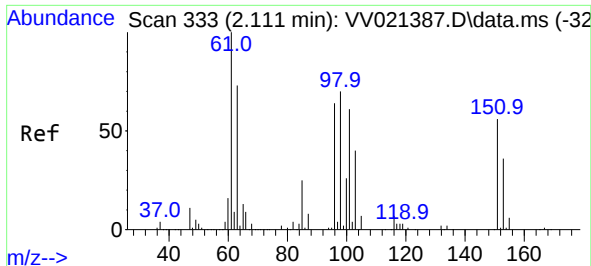
Tgt Ion: 64 Resp: 49080  
Ion Ratio Lower Upper  
64 100  
66 33.2 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 5.39 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 101 Resp: 115788  
Ion Ratio Lower Upper  
101 100  
103 64.8 52.0 78.0

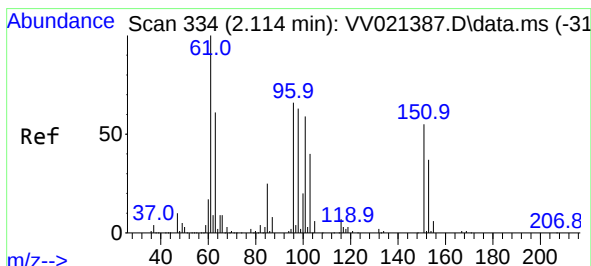
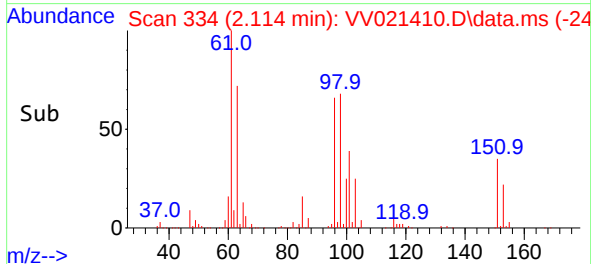
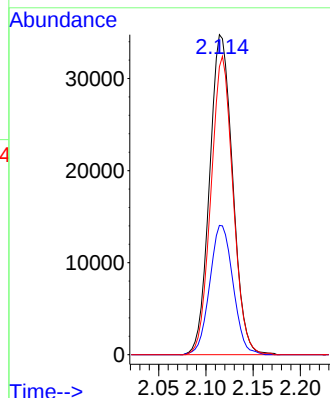
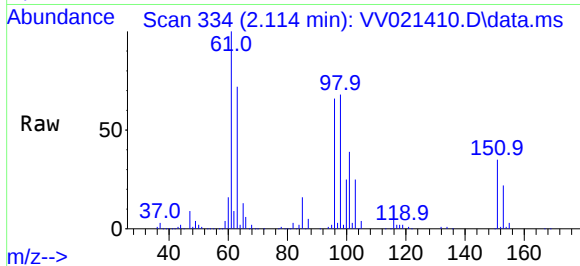




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.93 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

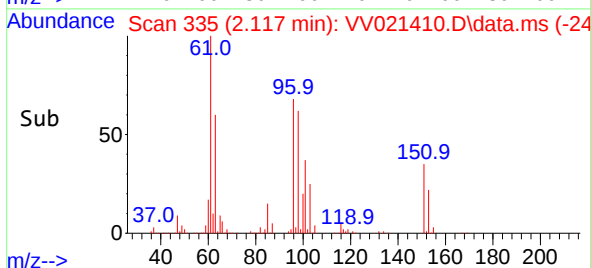
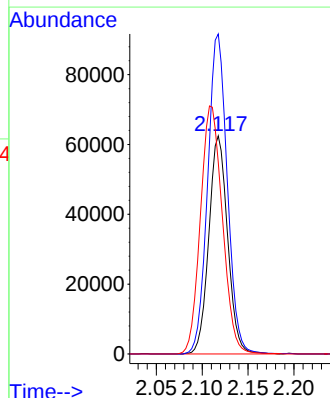
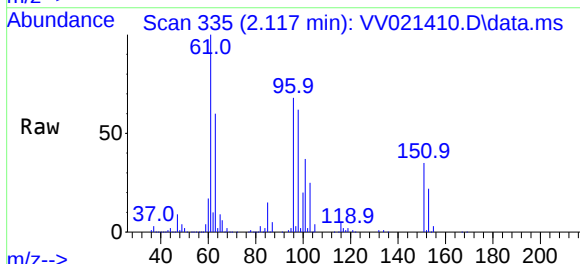
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

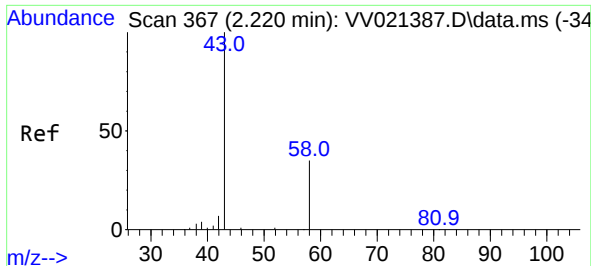
Tgt Ion:101 Resp: 59072  
Ion Ratio Lower Upper  
101 100  
85 40.8 32.6 48.8  
151 89.2 70.7 106.1



#12  
1,1-Dichloroethene  
Concen: 7.87 ug/L  
RT: 2.117 min Scan# 335  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 96 Resp: 89035  
Ion Ratio Lower Upper  
96 100  
61 146.7 103.7 192.5  
63 87.8 62.4 115.8

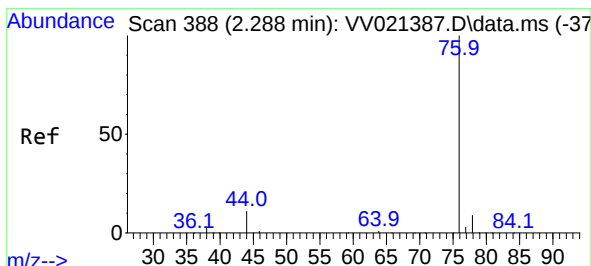
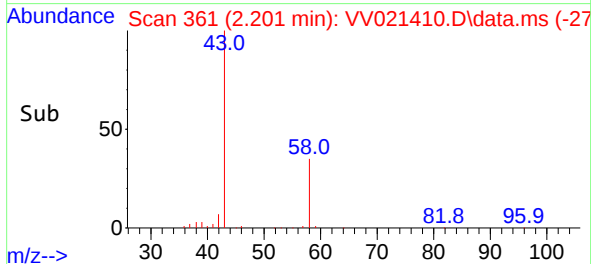
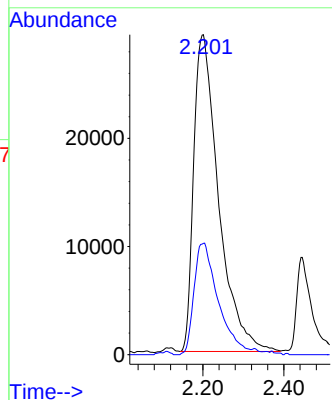
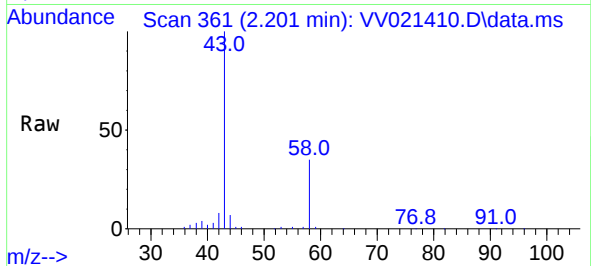




#13  
Acetone  
Concen: 63.90 ug/L  
RT: 2.201 min Scan# 361  
Delta R.T. -0.019 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

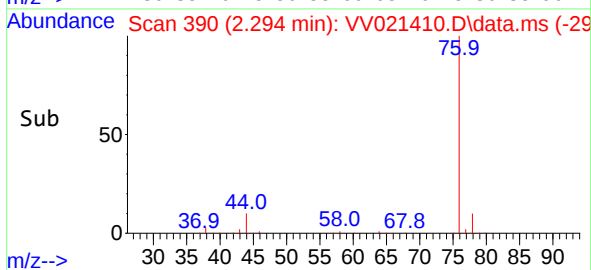
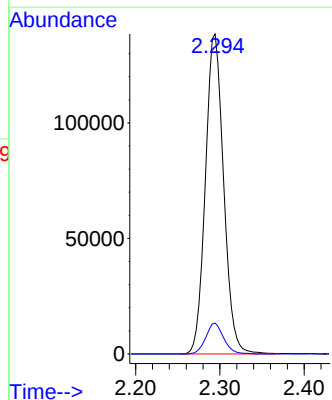
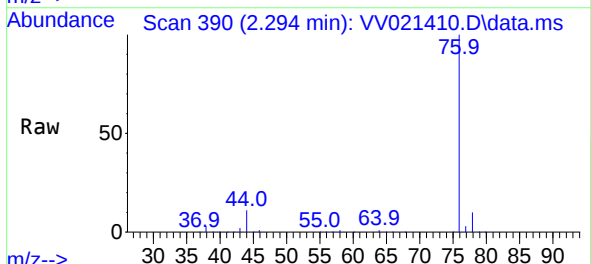
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

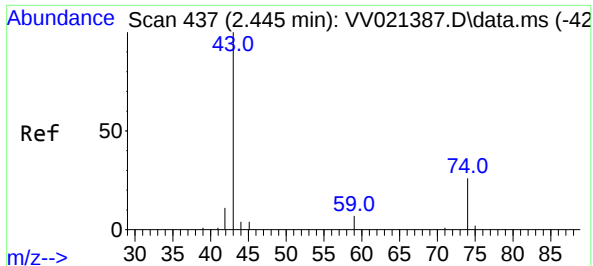
Tgt Ion: 43 Resp: 124863  
Ion Ratio Lower Upper  
43 100  
58 34.3 0.0 18.6#



#14  
Carbon disulfide  
Concen: 5.50 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 76 Resp: 208946  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.0

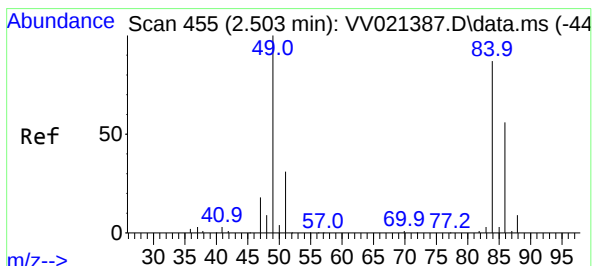
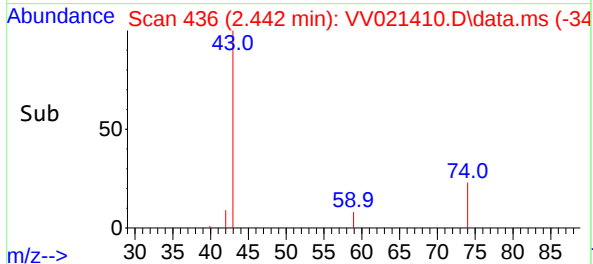
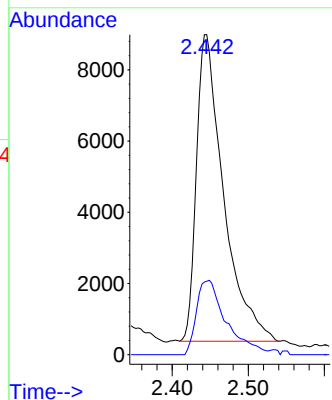
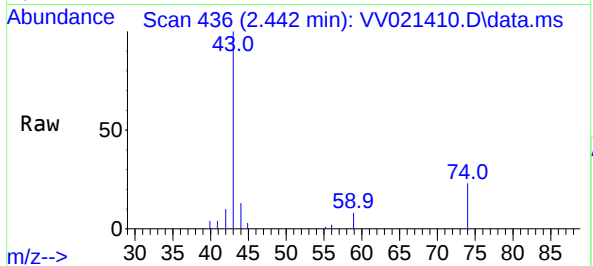




#15  
Methyl Acetate  
Concen: 4.62 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. -0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

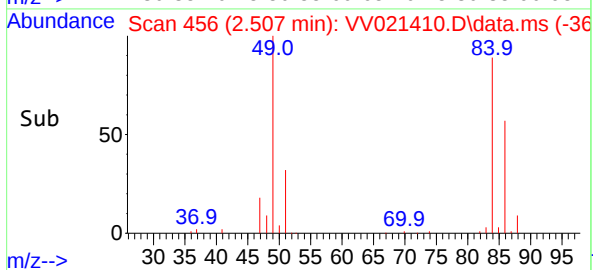
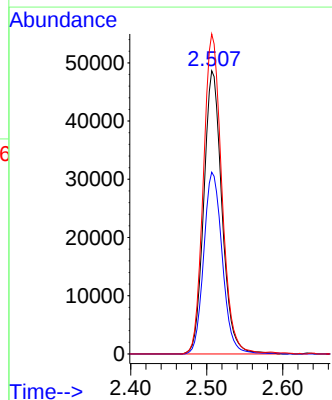
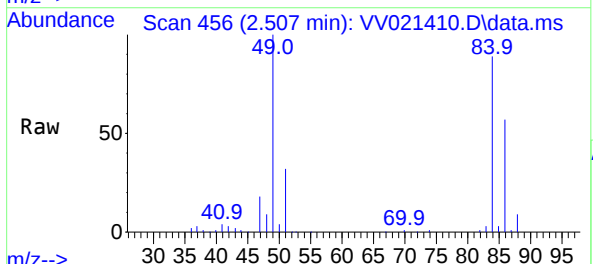
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

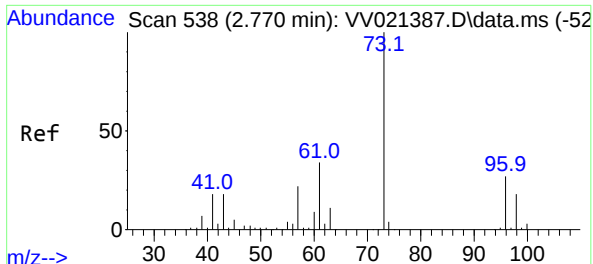
Tgt Ion: 43 Resp: 21300  
Ion Ratio Lower Upper  
43 100  
74 26.6 18.8 28.2



#16  
Methylene chloride  
Concen: 4.34 ug/L  
RT: 2.507 min Scan# 456  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 84 Resp: 80680  
Ion Ratio Lower Upper  
84 100  
86 64.2 44.7 82.9  
49 113.0 82.7 153.5

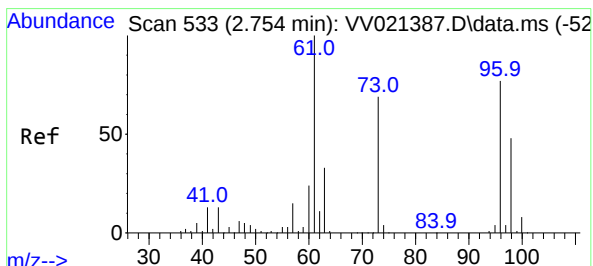
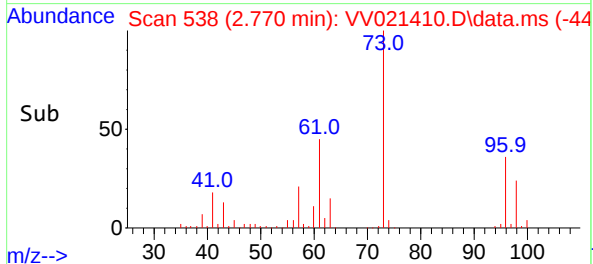
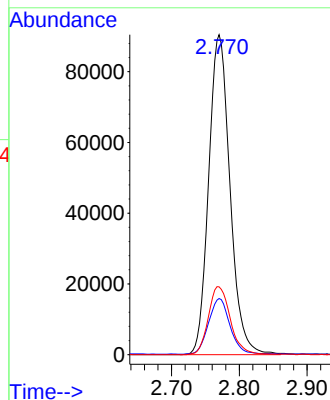
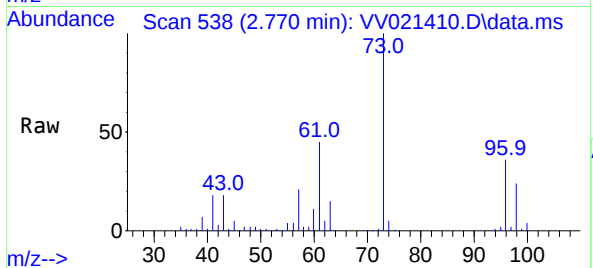




#17  
Methyl tert-butyl Ether  
Concen: 6.06 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

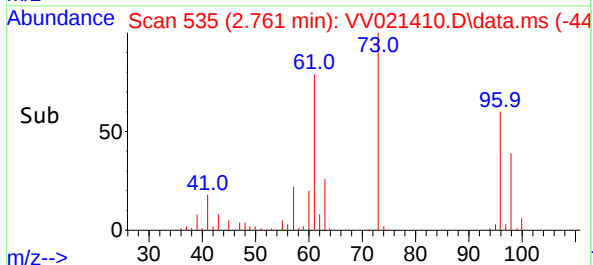
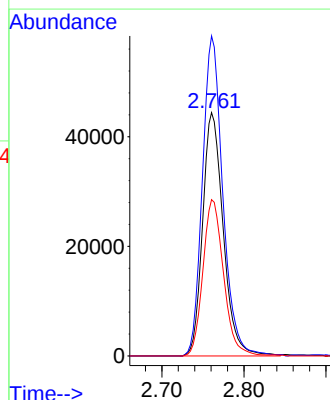
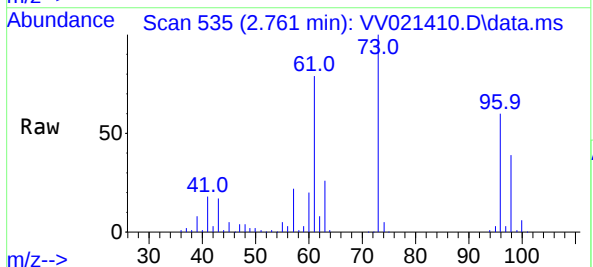
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

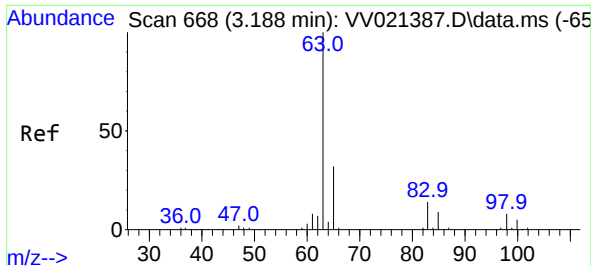
Tgt Ion: 73 Resp: 197806  
Ion Ratio Lower Upper  
73 100  
43 17.6 13.4 20.2  
57 22.0 17.8 26.8



#18  
trans-1,2-Dichloroethene  
Concen: 5.50 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.006 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 96 Resp: 77577  
Ion Ratio Lower Upper  
96 100  
61 131.5 88.7 164.7  
98 64.2 44.4 82.4



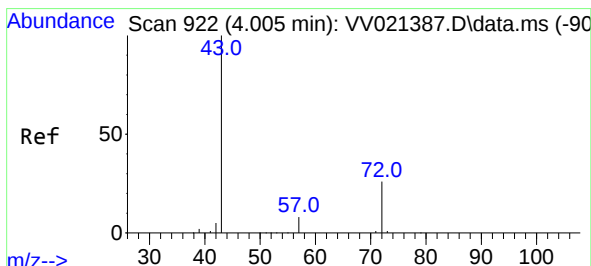
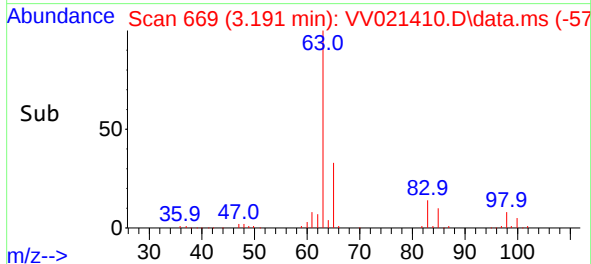
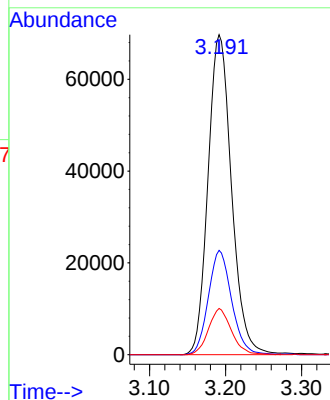
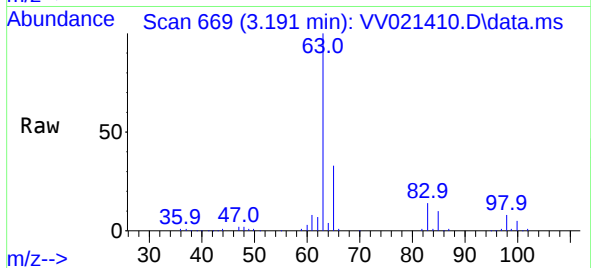


#19  
1,1-Dichloroethane  
Concen: 6.00 ug/L  
RT: 3.191 min Scan# 669  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

Tgt Ion: 63 Resp: 149494

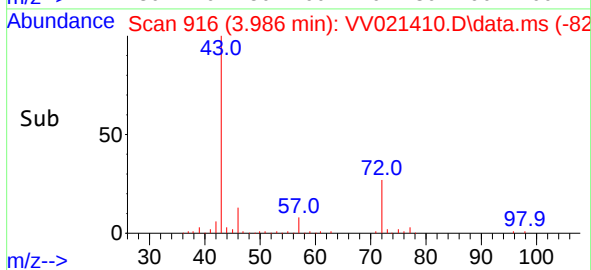
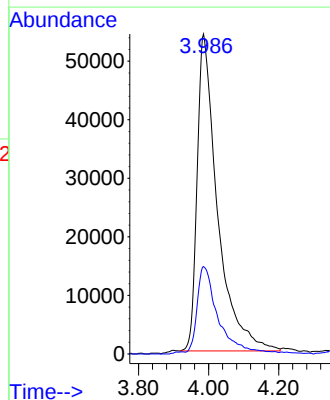
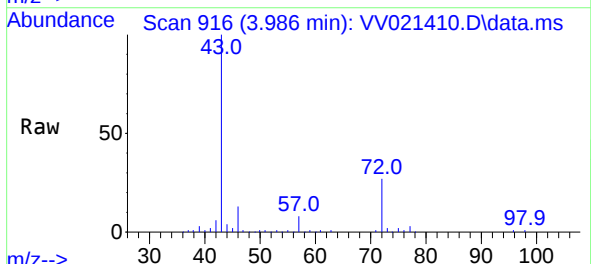
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.6  | 23.2  | 43.2  |
| 83  | 14.5  | 9.4   | 17.4  |

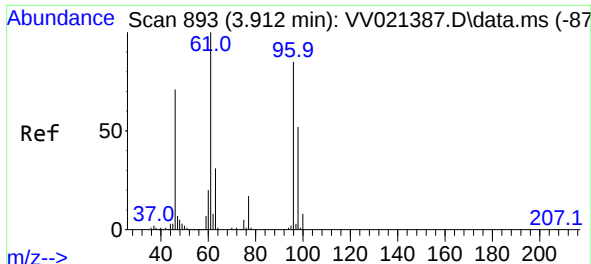


#21  
2-Butanone  
Concen: 65.66 ug/L  
RT: 3.986 min Scan# 916  
Delta R.T. -0.019 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 43 Resp: 218536

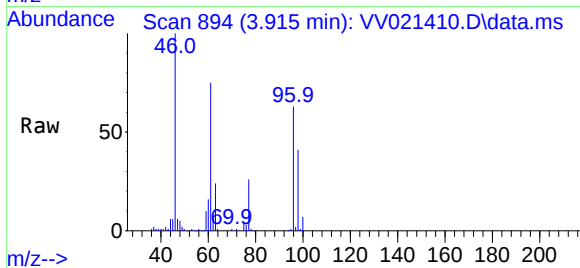
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 27.1  | 10.7  | 31.9  |



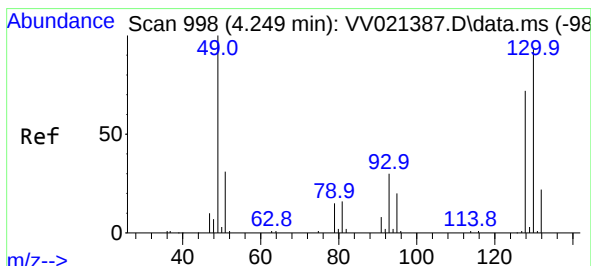
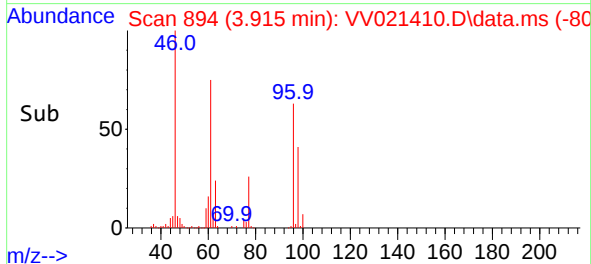
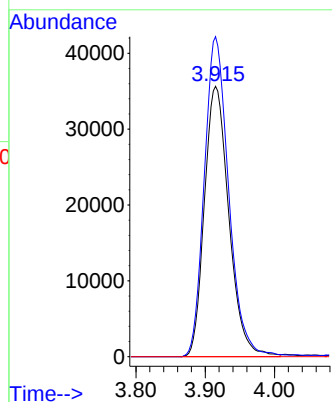


#22  
cis-1,2-Dichloroethene  
Concen: 5.71 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

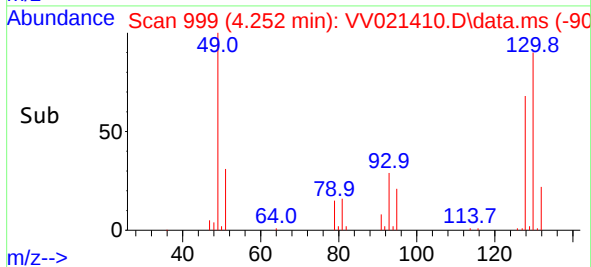
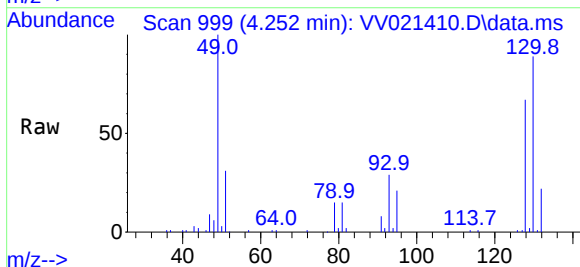
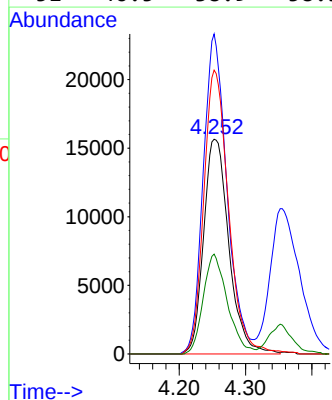


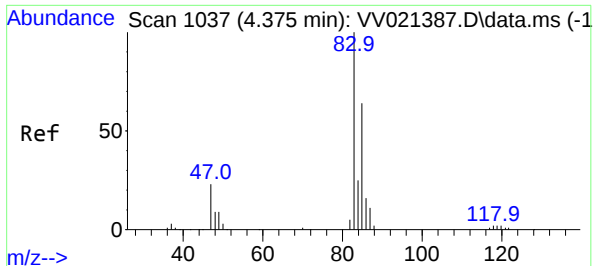
Tgt Ion: 96 Resp: 87604  
Ion Ratio Lower Upper  
96 100  
61 118.3 81.9 152.1  
68 0.0 0.0 0.0



#23  
Bromochloromethane  
Concen: 6.00 ug/L  
RT: 4.252 min Scan# 999  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 128 Resp: 41410  
Ion Ratio Lower Upper  
128 100  
49 149.1 102.3 190.1  
130 132.2 94.3 175.1  
51 46.5 38.9 58.3



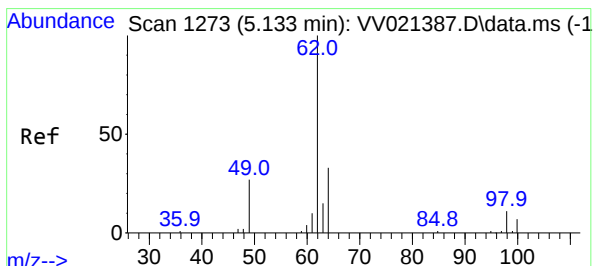
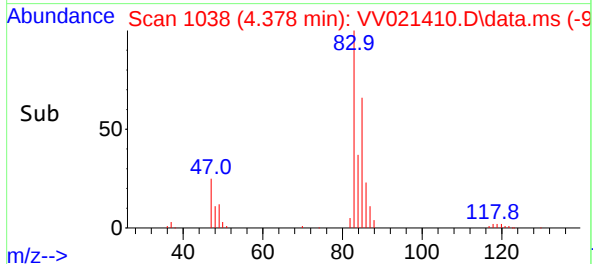
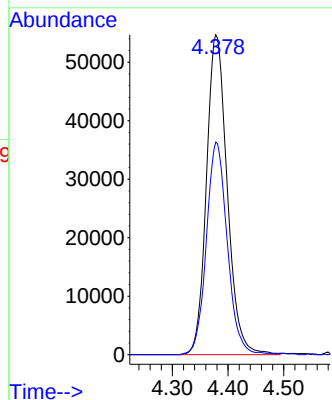
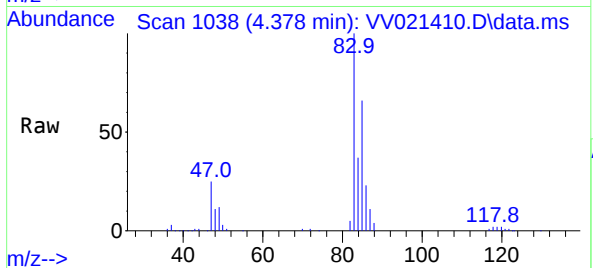


#25

Chloroform  
Concen: 5.56 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

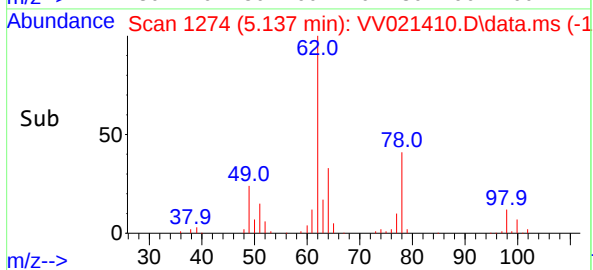
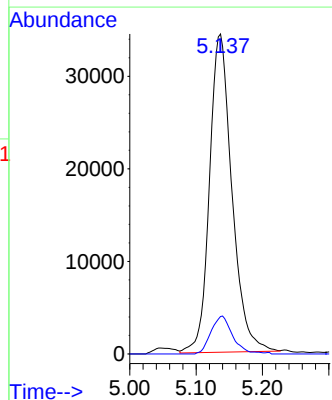
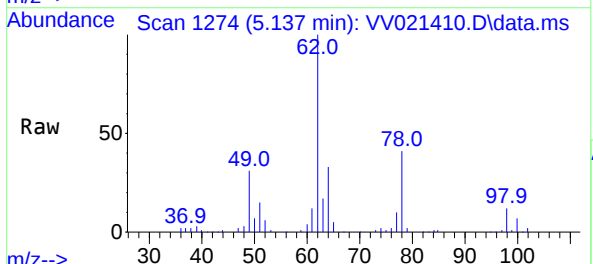
Tgt Ion: 83 Resp: 141843  
Ion Ratio Lower Upper  
83 100  
85 66.4 45.8 85.2

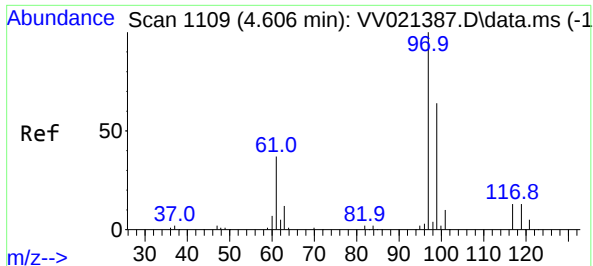


#27

1,2-Dichloroethane  
Concen: 5.87 ug/L  
RT: 5.137 min Scan# 1274  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 62 Resp: 81036  
Ion Ratio Lower Upper  
62 100  
98 11.7 8.4 12.6





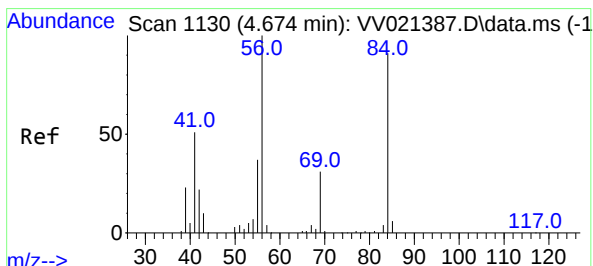
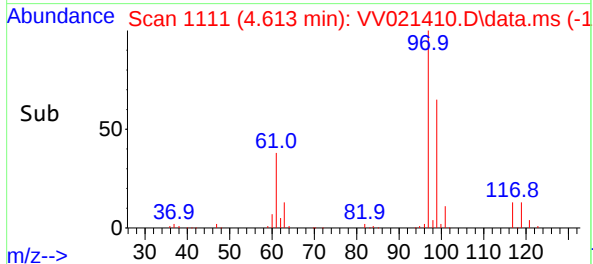
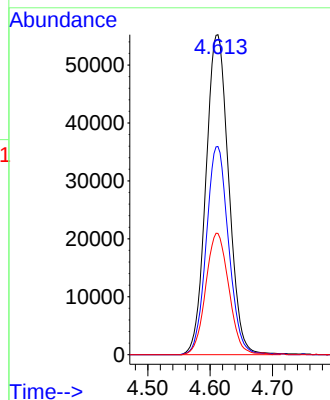
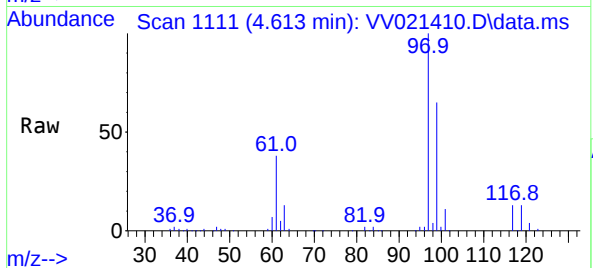
#29

1,1,1-Trichloroethane  
 Concen: 5.85 ug/L  
 RT: 4.613 min Scan# 1111  
 Delta R.T. 0.006 min  
 Lab File: VV021410.D  
 Acq: 26 May 2021 00:01

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GB439MSD

Tgt Ion: 97 Resp: 140284

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.8  | 50.6  | 75.8  |
| 61  | 38.4  | 30.4  | 45.6  |

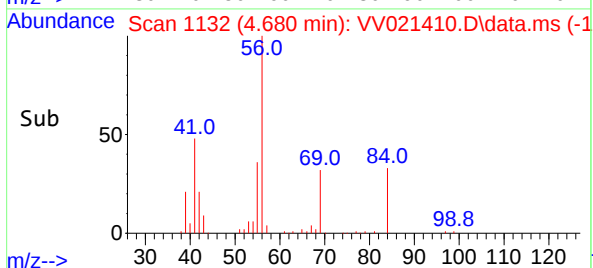
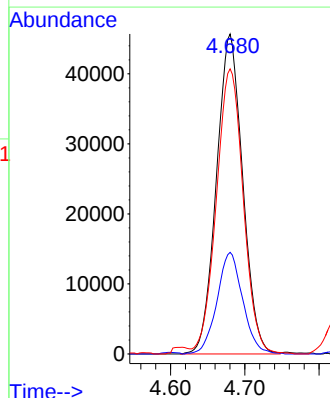
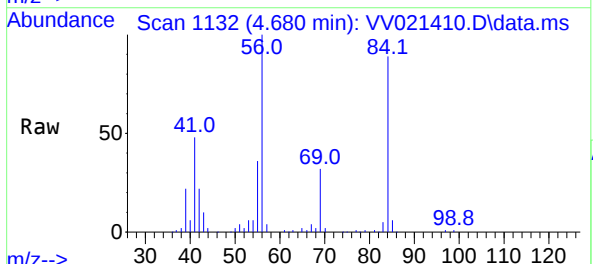


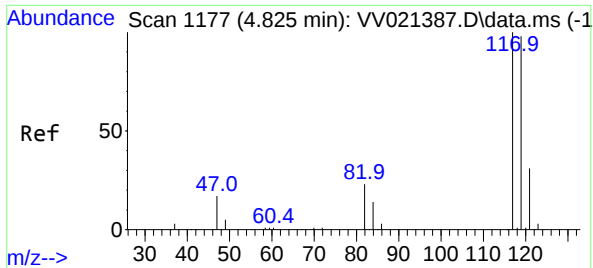
#30

Cyclohexane  
 Concen: 4.75 ug/L  
 RT: 4.680 min Scan# 1132  
 Delta R.T. 0.006 min  
 Lab File: VV021410.D  
 Acq: 26 May 2021 00:01

Tgt Ion: 56 Resp: 112248

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.2  | 25.2  | 37.8  |
| 84  | 91.6  | 72.7  | 109.1 |

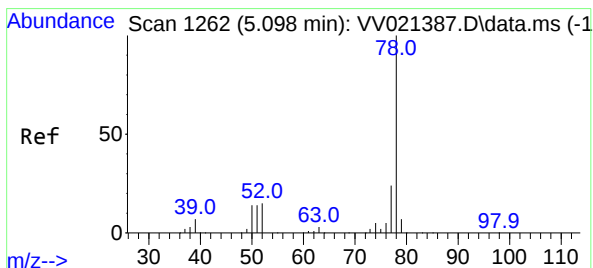
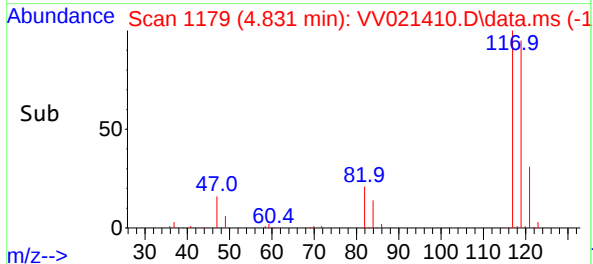
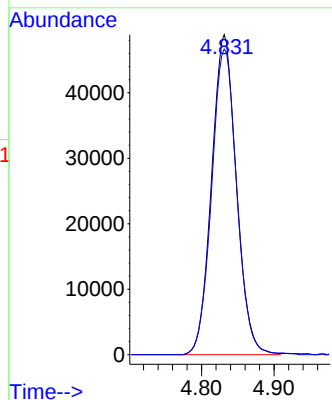
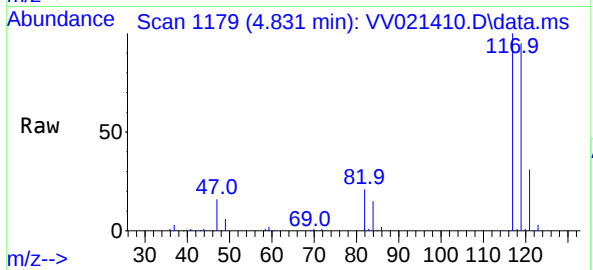




#31  
Carbon tetrachloride  
Concen: 5.33 ug/L  
RT: 4.831 min Scan# 1179  
Delta R.T. 0.006 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

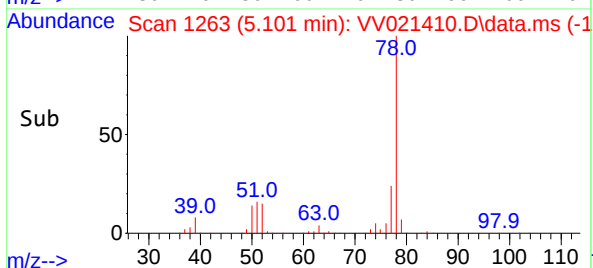
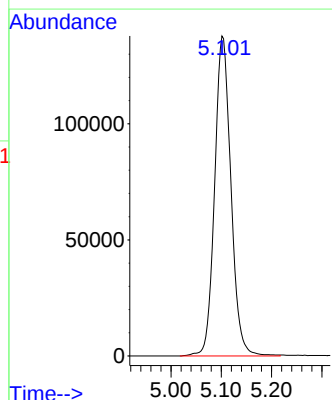
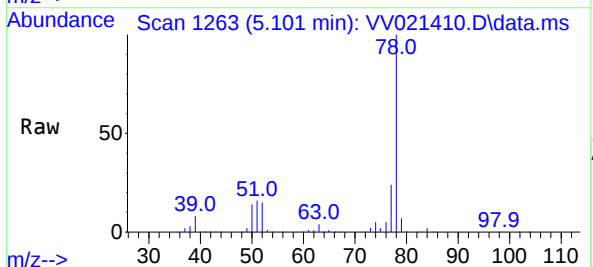
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

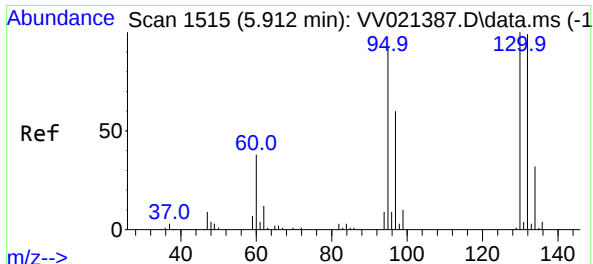
Tgt Ion:117 Resp: 116165  
Ion Ratio Lower Upper  
117 100  
119 97.1 77.0 115.6



#33  
Benzene  
Concen: 5.56 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 78 Resp: 310272





#34

Trichloroethene

Concen: 5.33 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV021410.D

Acq: 26 May 2021 00:01

Tgt Ion: 95 Resp: 81784

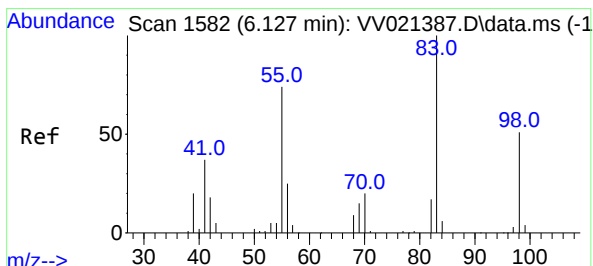
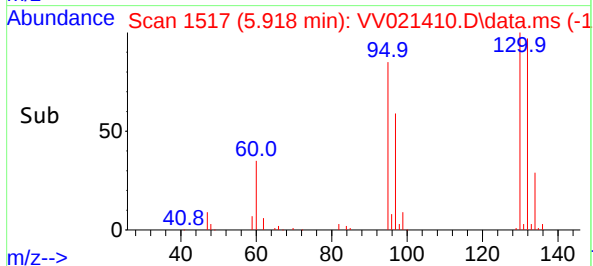
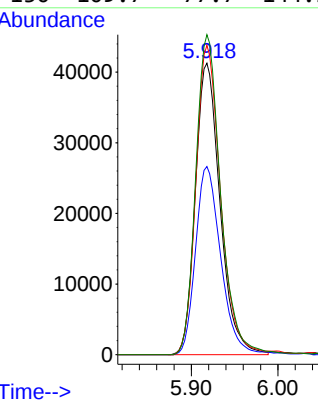
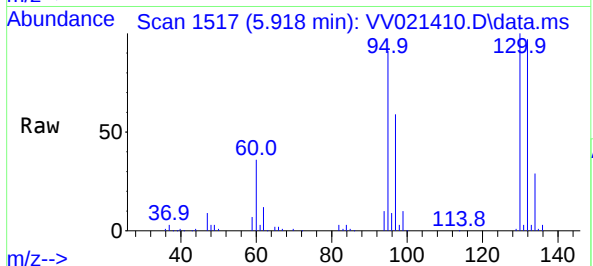
Ion Ratio Lower Upper

95 100

97 64.6 45.4 84.4

132 106.1 74.5 138.3

130 109.7 77.7 144.3



#35

Methylcyclohexane

Concen: 4.27 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.006 min

Lab File: VV021410.D

Acq: 26 May 2021 00:01

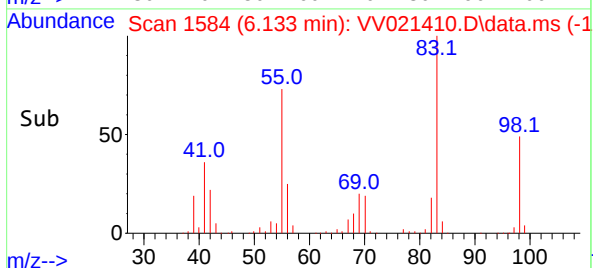
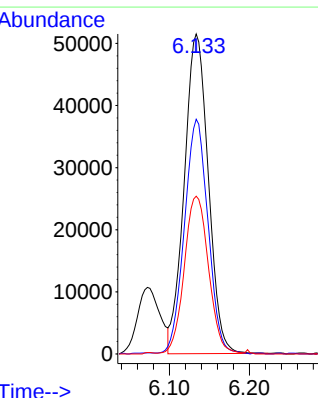
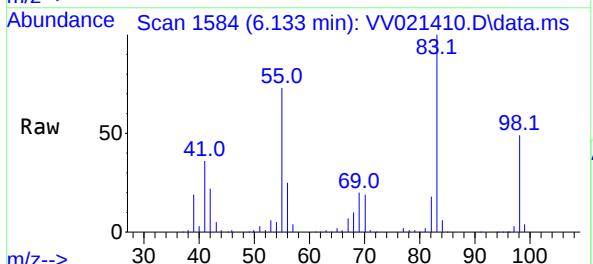
Tgt Ion: 83 Resp: 107642

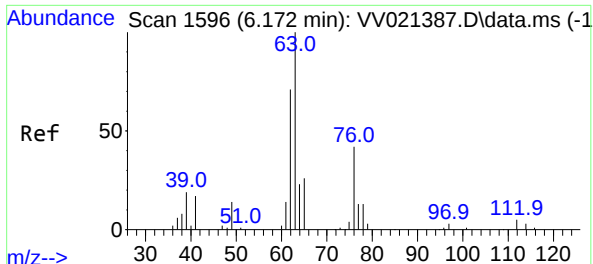
Ion Ratio Lower Upper

83 100

55 72.4 57.7 86.5

98 49.2 40.6 61.0

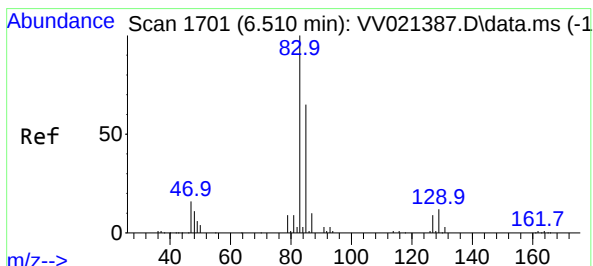
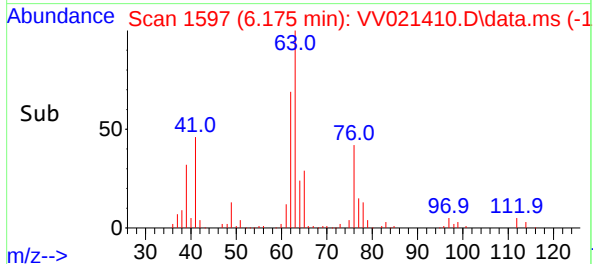
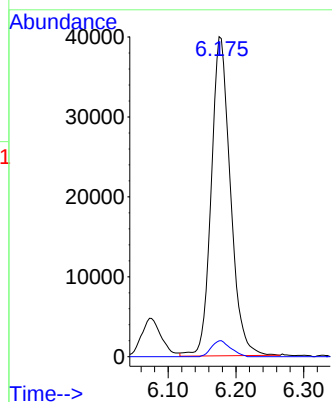
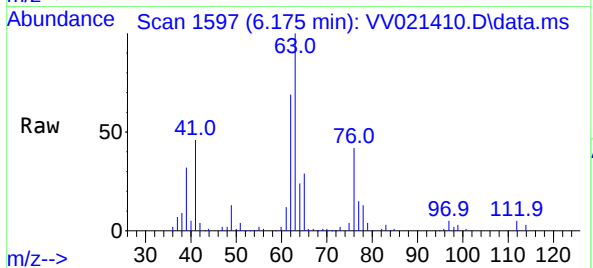




#37  
1,2-Dichloropropane  
Concen: 5.67 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

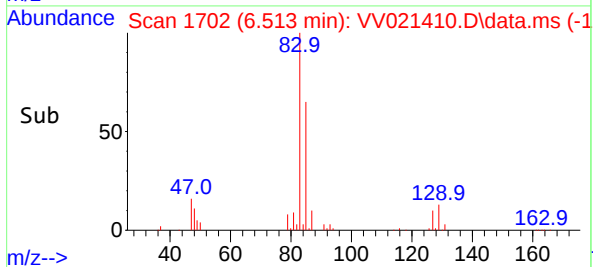
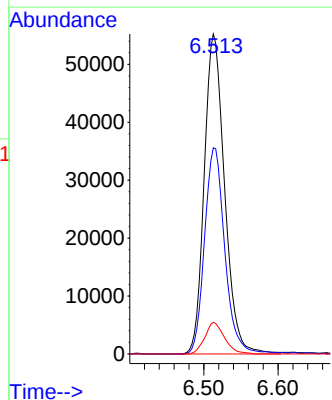
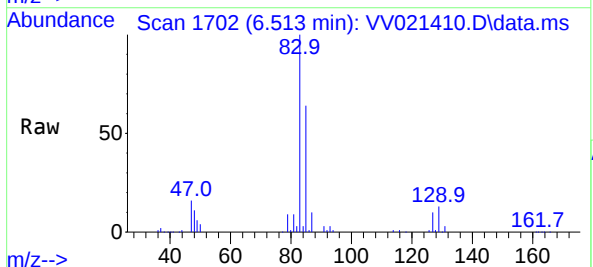
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

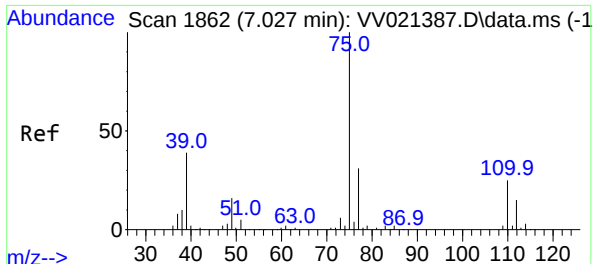
Tgt Ion: 63 Resp: 78527  
Ion Ratio Lower Upper  
63 100  
112 5.0 3.8 5.8



#38  
Bromodichloromethane  
Concen: 5.57 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 83 Resp: 105258  
Ion Ratio Lower Upper  
83 100  
85 64.4 46.2 85.8  
127 9.9 7.3 10.9

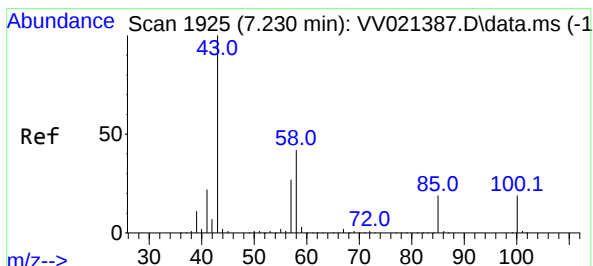
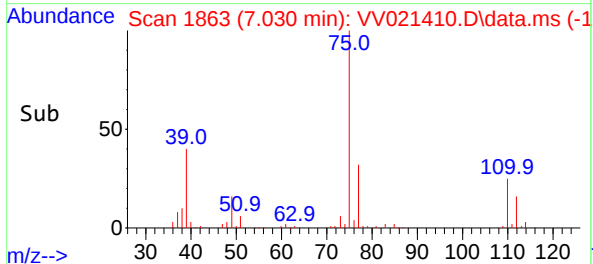
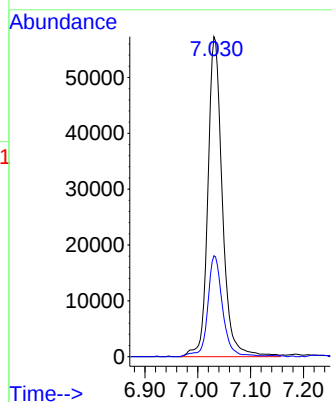
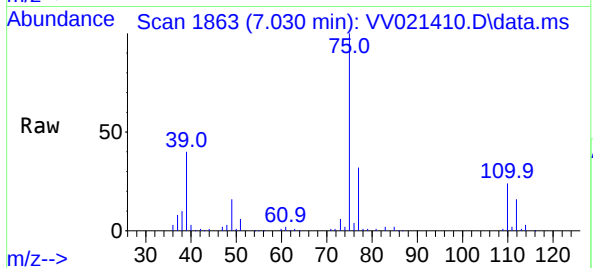




#39  
cis-1,3-Dichloropropene  
Concen: 4.92 ug/L  
RT: 7.030 min Scan# 1863  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

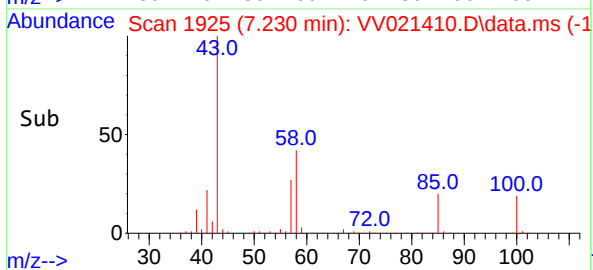
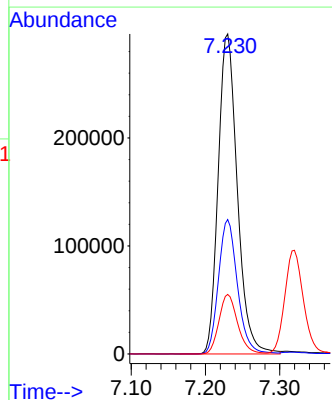
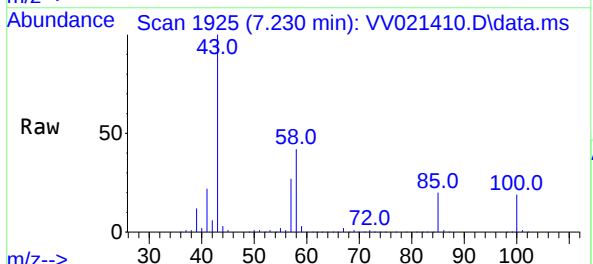
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

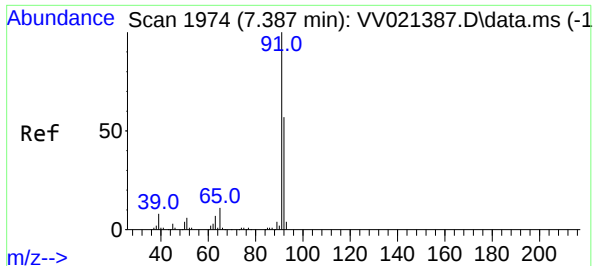
Tgt Ion: 75 Resp: 109185  
Ion Ratio Lower Upper  
75 100  
77 31.6 22.8 42.4



#40  
4-Methyl-2-pentanone  
Concen: 62.72 ug/L  
RT: 7.230 min Scan# 1925  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 43 Resp: 531402  
Ion Ratio Lower Upper  
43 100  
58 41.6 33.9 50.9  
100 18.2 14.2 21.4





#42

Toluene

Concen: 5.54 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV021410.D

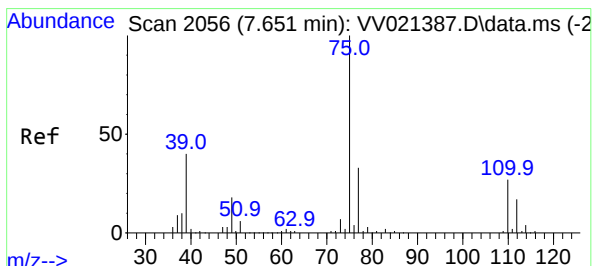
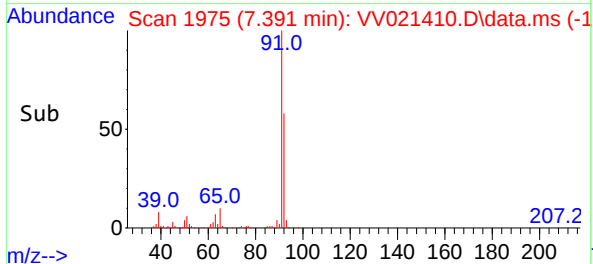
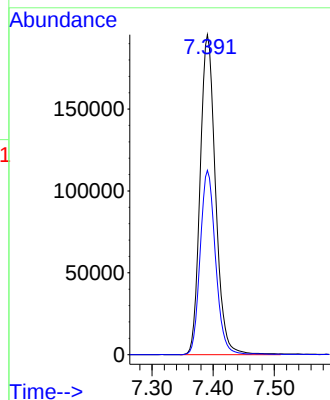
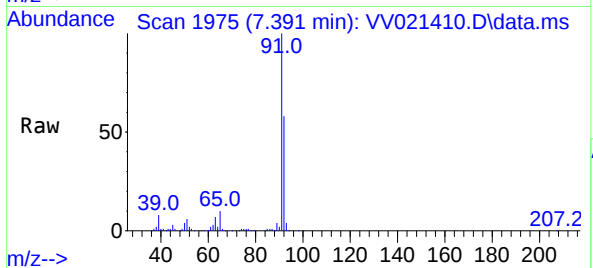
Acq: 26 May 2021 00:01

Tgt Ion: 91 Resp: 341783

Ion Ratio Lower Upper

91 100

92 57.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 5.08 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VV021410.D

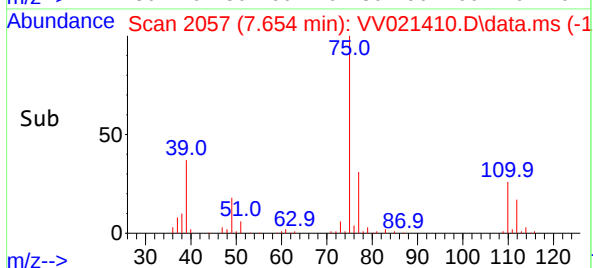
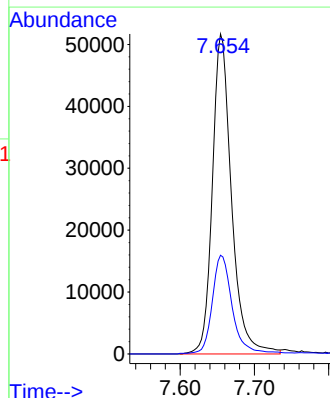
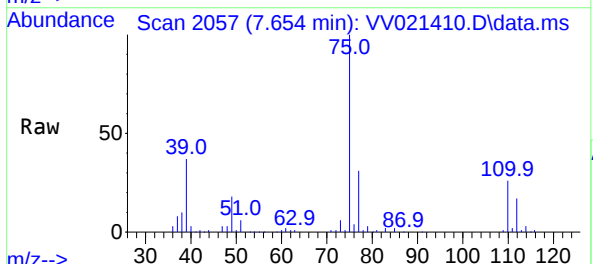
Acq: 26 May 2021 00:01

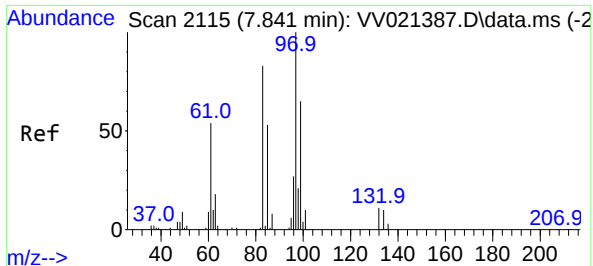
Tgt Ion: 75 Resp: 92430

Ion Ratio Lower Upper

75 100

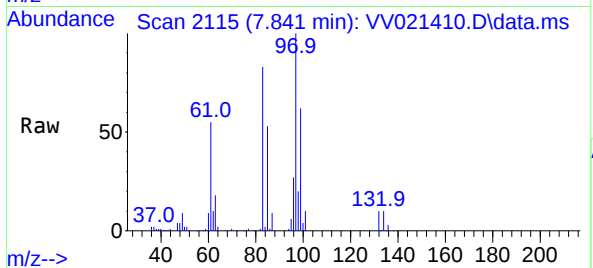
77 30.9 22.2 41.2





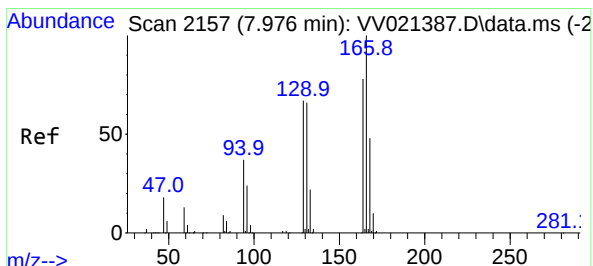
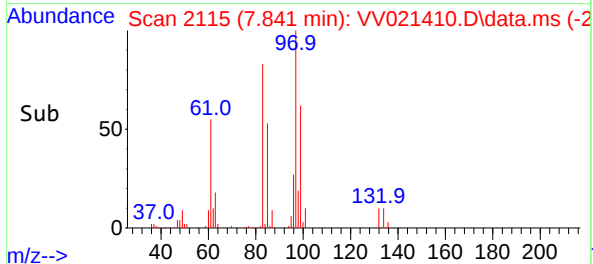
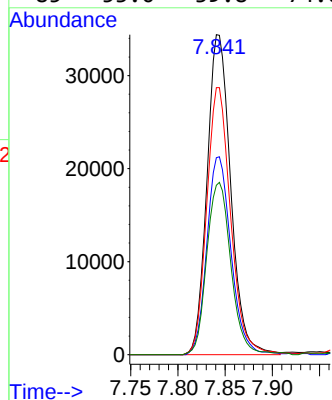
#45  
1,1,2-Trichloroethane  
Concen: 5.87 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

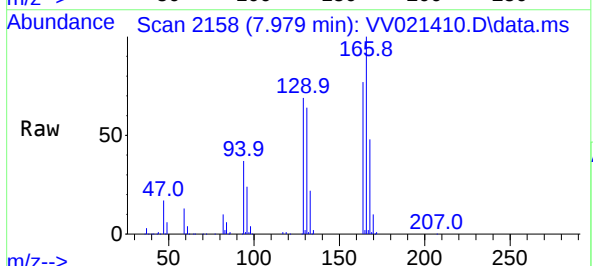


Tgt Ion: 97 Resp: 60125

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.6  | 44.0  | 81.8  |
| 83  | 83.4  | 59.0  | 109.6 |
| 85  | 53.0  | 39.8  | 74.0  |

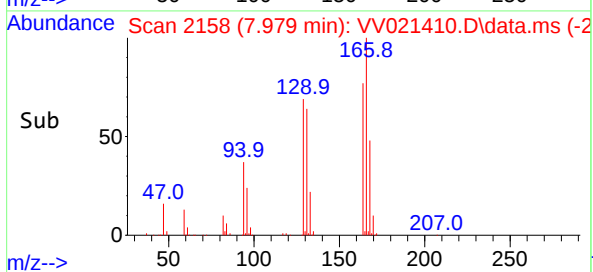
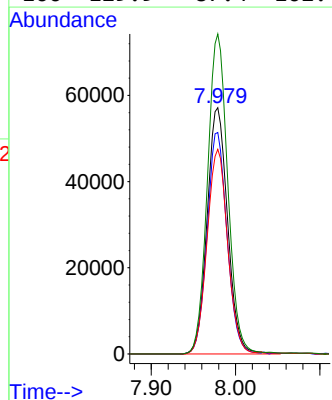


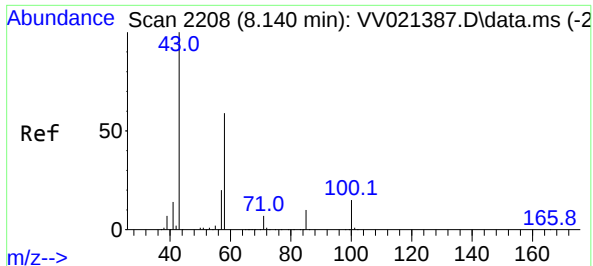
#47  
Tetrachloroethene  
Concen: 6.94 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01



Tgt Ion: 164 Resp: 96995

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 89.9  | 61.8  | 114.8 |
| 131 | 83.1  | 57.8  | 107.4 |
| 166 | 129.9 | 87.4  | 162.4 |

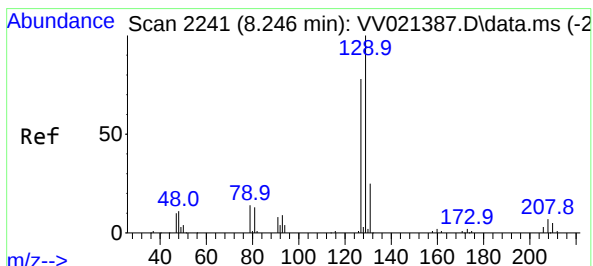
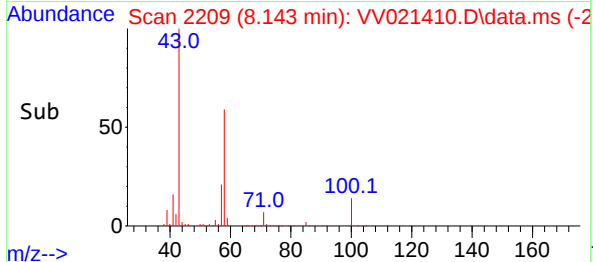
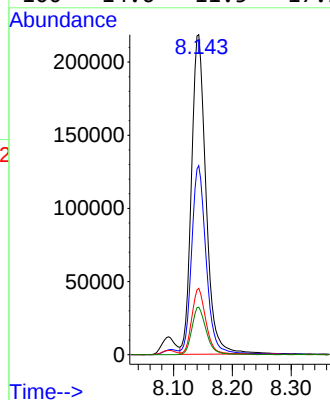
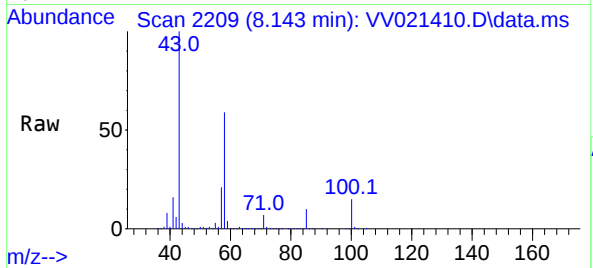




#48  
2-Hexanone  
Concen: 65.27 ug/L  
RT: 8.143 min Scan# 2209  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

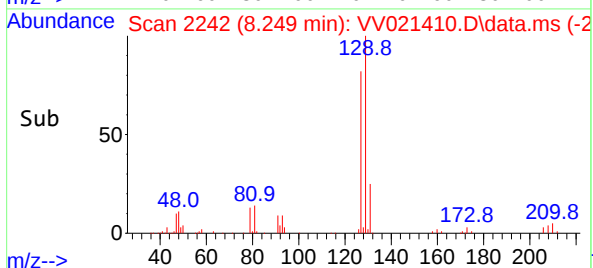
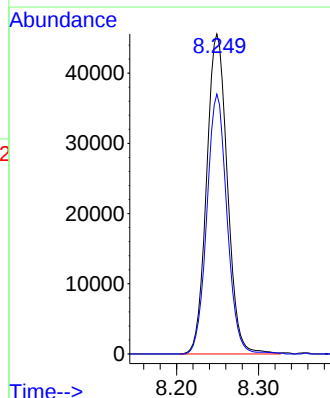
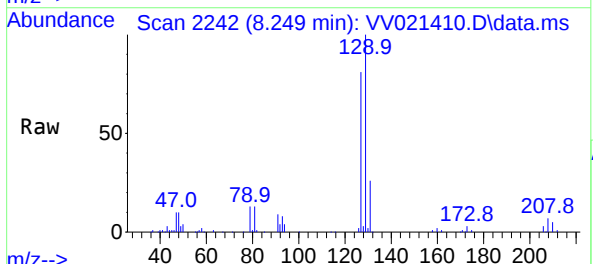
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

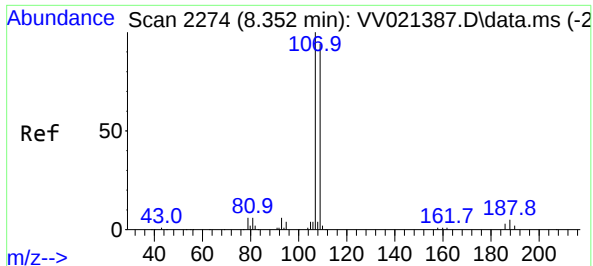
Tgt Ion: 43 Resp: 375928  
Ion Ratio Lower Upper  
43 100  
58 58.4 47.0 70.4  
57 19.6 15.4 23.2  
100 14.6 11.5 17.3



#49  
Dibromochloromethane  
Concen: 5.76 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 129 Resp: 80106  
Ion Ratio Lower Upper  
129 100  
127 81.2 55.4 103.0





#50

1,2-Dibromoethane

Concen: 5.92 ug/L

RT: 8.355 min Scan# 2275

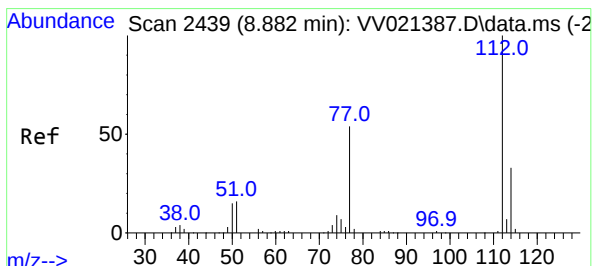
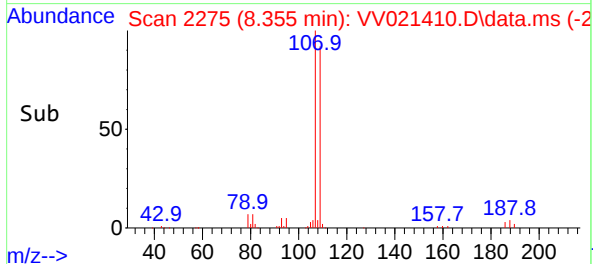
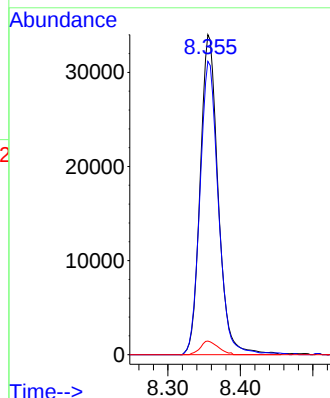
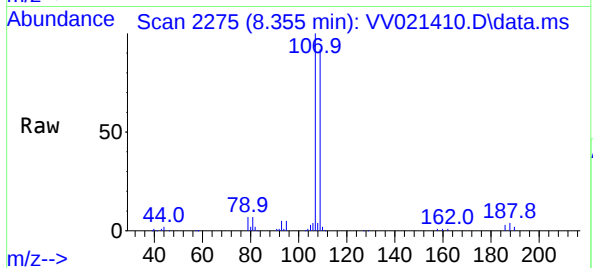
Delta R.T. 0.003 min

Lab File: VV021410.D

Acq: 26 May 2021 00:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 58463 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 91.6  | 65.3  | 121.3 |
| 188      | 4.3   | 3.8   | 5.6   |

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD



#51

Chlorobenzene

Concen: 5.55 ug/L

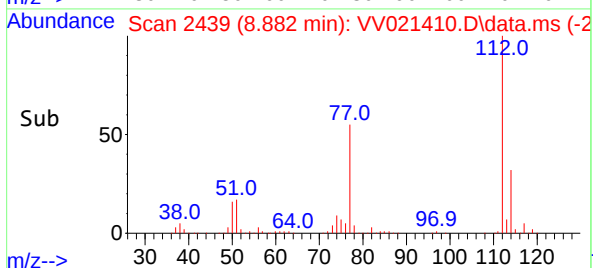
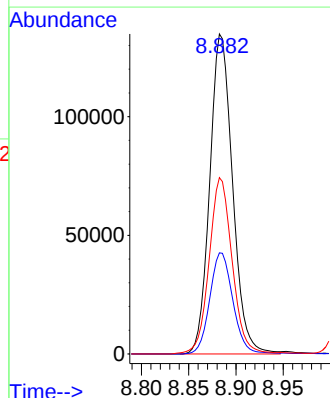
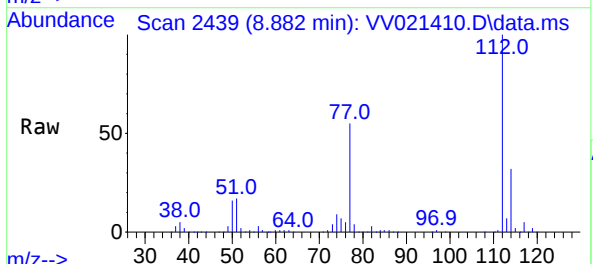
RT: 8.882 min Scan# 2439

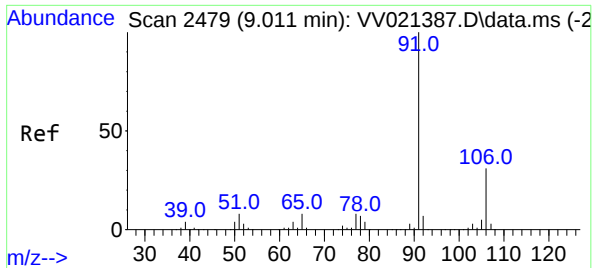
Delta R.T. 0.000 min

Lab File: VV021410.D

Acq: 26 May 2021 00:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 226354 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.6  | 22.5  | 41.9   |
| 77       | 55.1  | 44.5  | 66.7   |

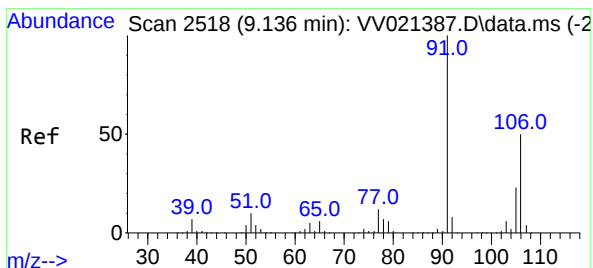
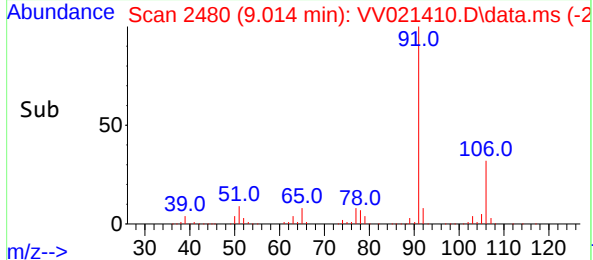
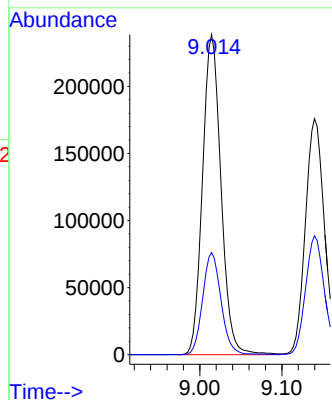
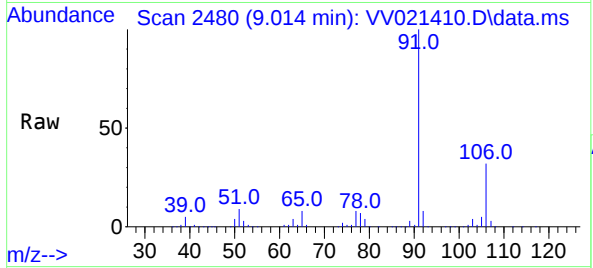




#52  
Ethylbenzene  
Concen: 5.41 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

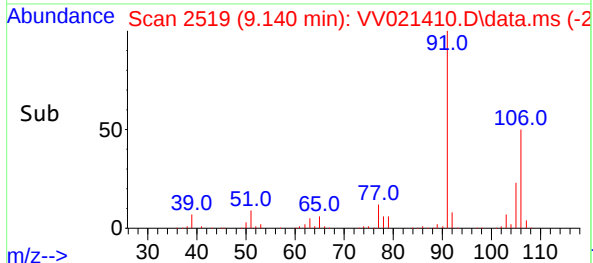
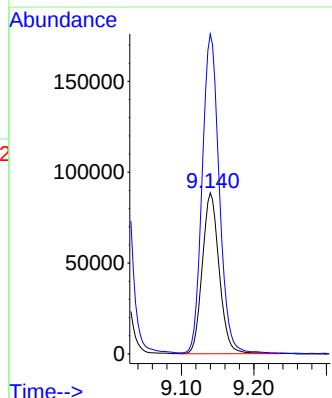
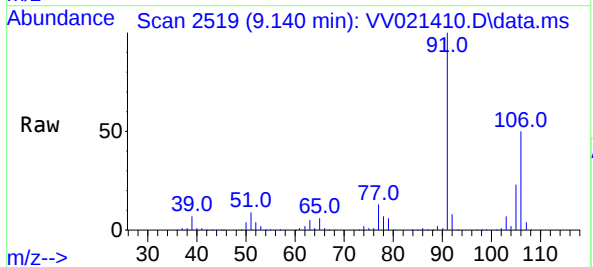
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

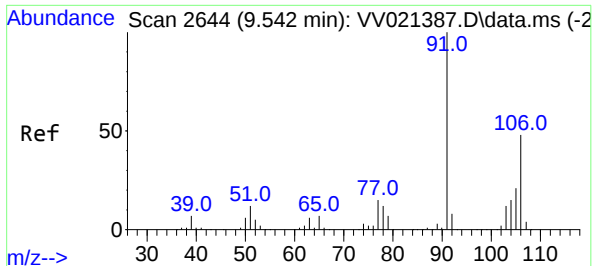
Tgt Ion: 91 Resp: 373633  
Ion Ratio Lower Upper  
91 100  
106 31.9 22.0 41.0



#53  
m,p-xylene  
Concen: 5.36 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 106 Resp: 142686  
Ion Ratio Lower Upper  
106 100  
91 198.7 140.8 261.4

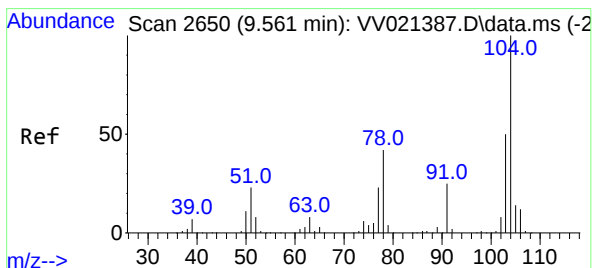
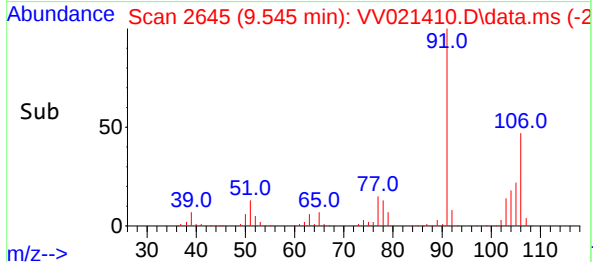
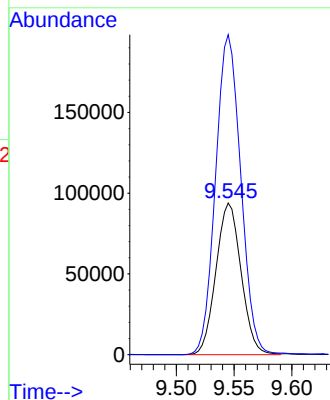
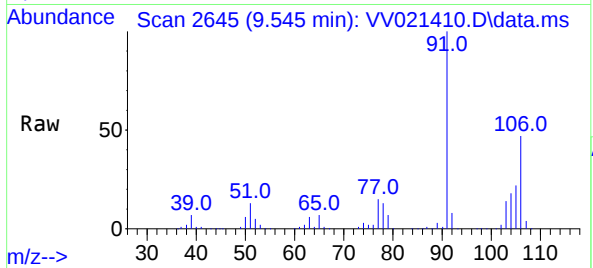




#54  
o-xylene  
Concen: 5.47 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

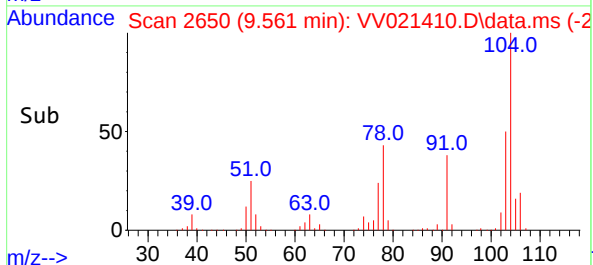
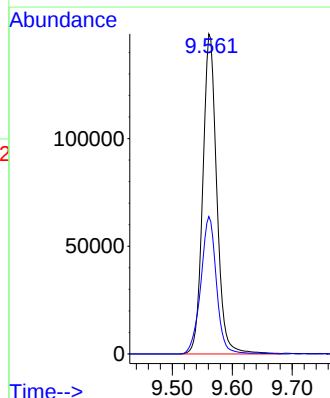
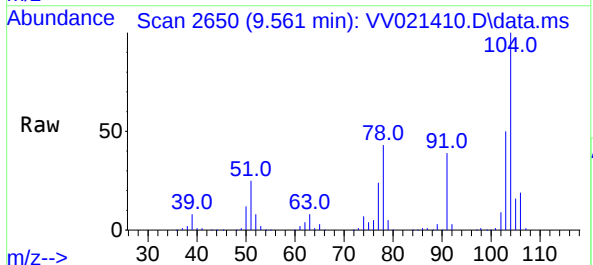
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

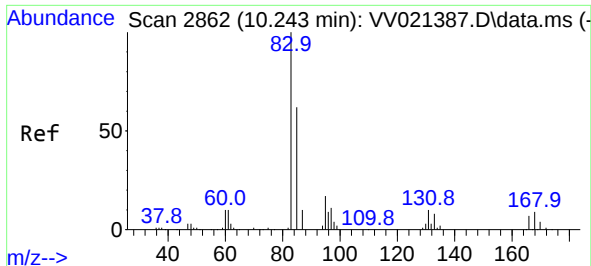
Tgt Ion:106 Resp: 142072  
Ion Ratio Lower Upper  
106 100  
91 210.9 146.7 272.4



#55  
Styrene  
Concen: 5.53 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion:104 Resp: 242086  
Ion Ratio Lower Upper  
104 100  
78 42.9 29.7 55.1

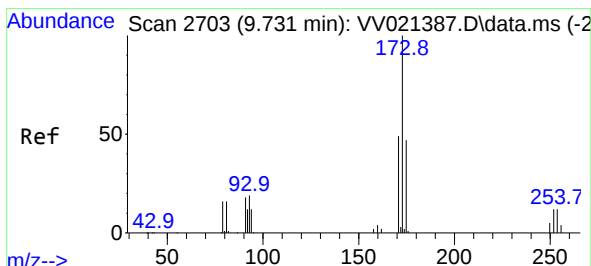
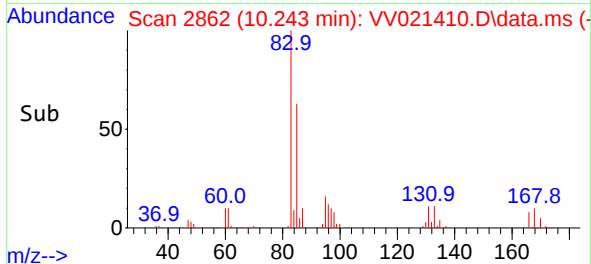
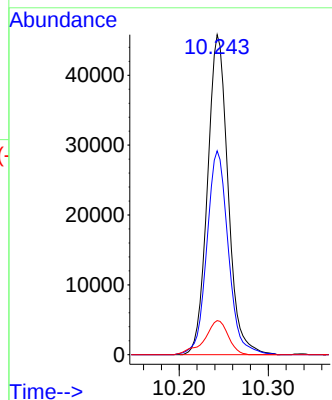
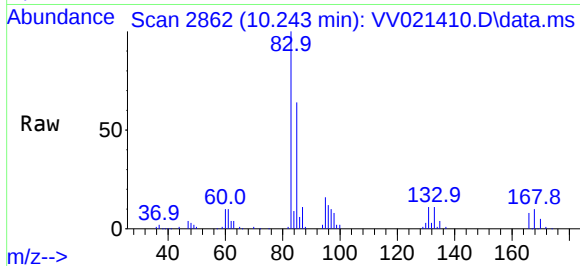




#57  
1,1,2,2-Tetrachloroethane  
Concen: 6.08 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

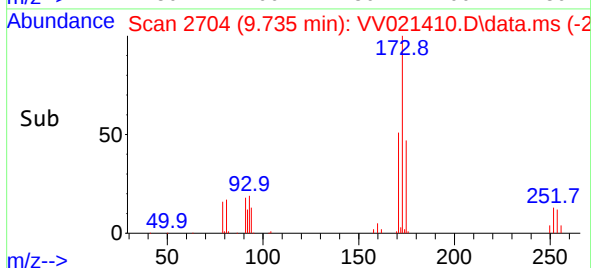
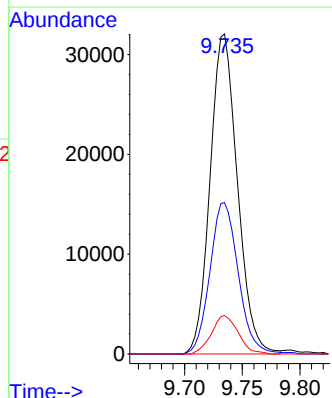
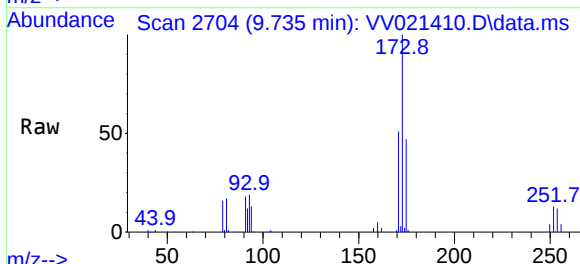
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

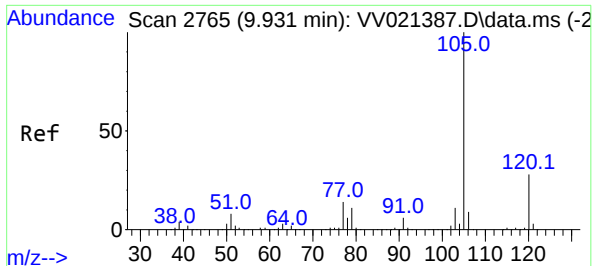
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 73355 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.7  | 43.3  | 80.3  |
| 131      | 10.6  | 9.4   | 14.0  |



#59  
Bromoform  
Concen: 6.08 ug/L  
RT: 9.735 min Scan# 2704  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 52827 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 49.0  | 40.2  | 60.4  |
| 254      | 11.7  | 9.8   | 14.8  |



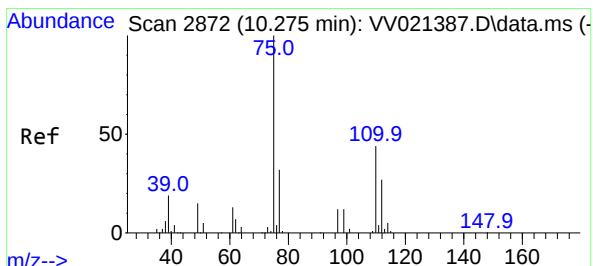
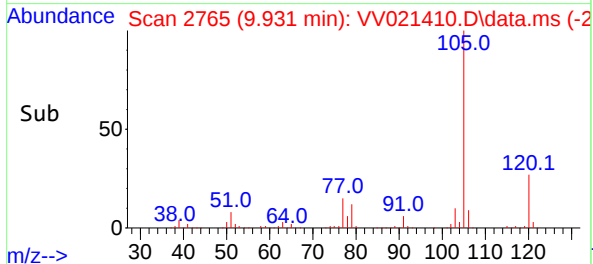
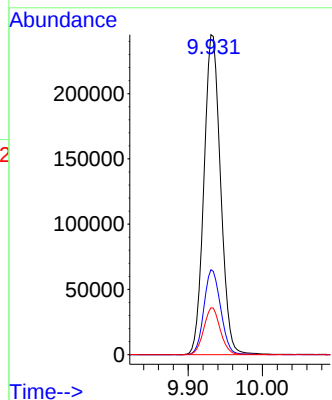
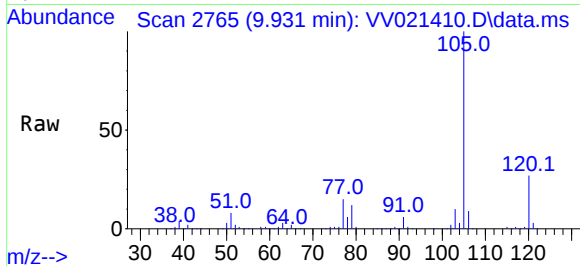


#60  
Isopropylbenzene  
Concen: 5.36 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

Tgt Ion:105 Resp: 380819

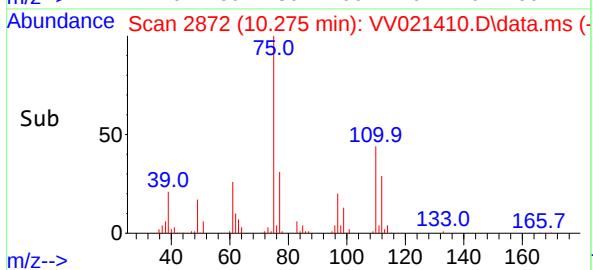
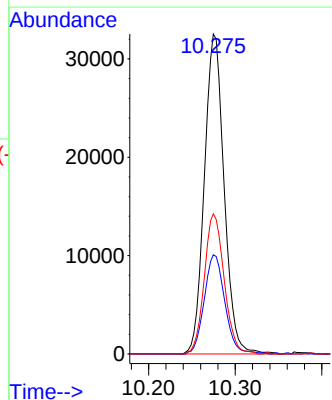
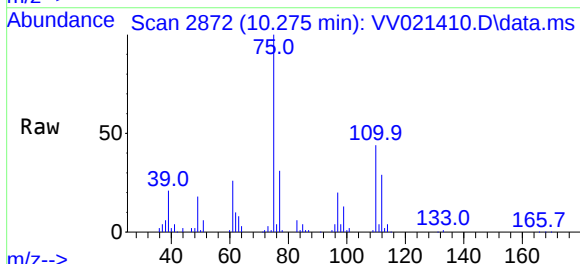
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 26.7  | 21.8  | 32.8  |
| 77  | 14.6  | 11.3  | 16.9  |

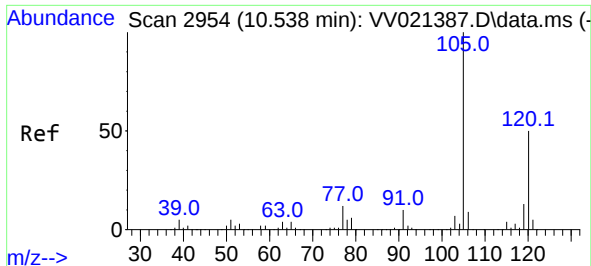


#61  
1,2,3-Trichloropropane  
Concen: 6.03 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 75 Resp: 51475

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.4  | 27.3  | 40.9  |
| 110 | 44.0  | 34.2  | 51.2  |

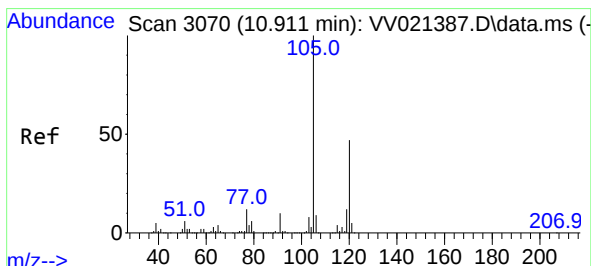
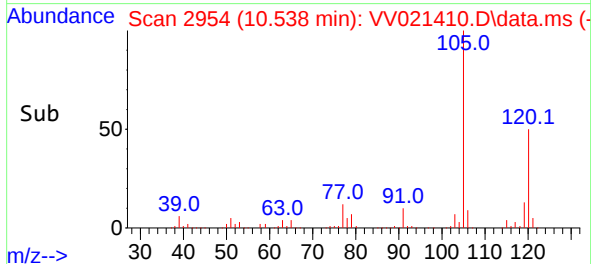
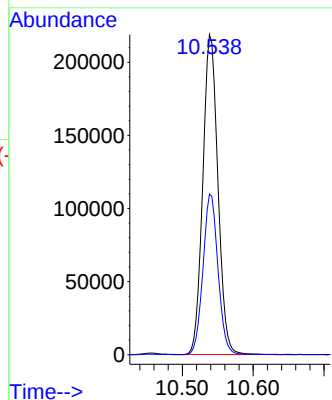
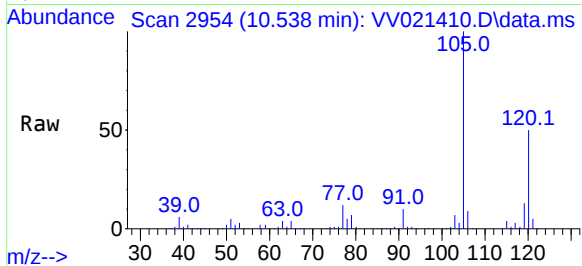




#62  
1,3,5-Trimethylbenzene  
Concen: 5.35 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

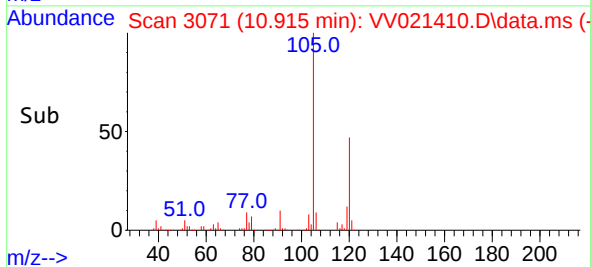
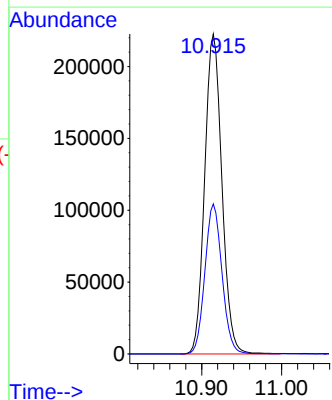
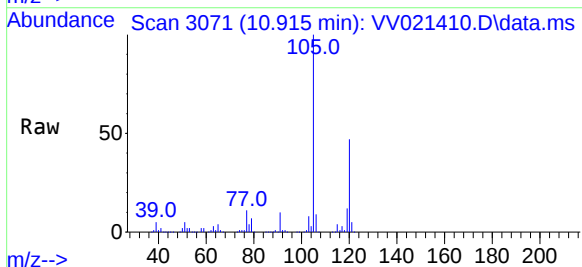
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

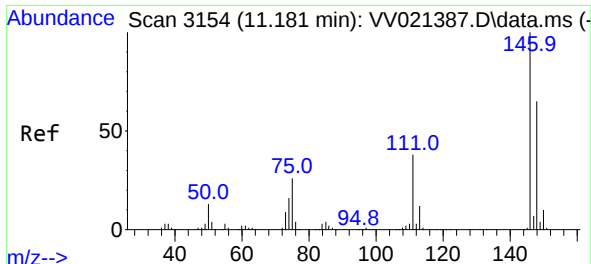
Tgt Ion:105 Resp: 324227  
Ion Ratio Lower Upper  
105 100  
120 49.8 40.2 60.2



#63  
1,2,4-Trimethylbenzene  
Concen: 5.39 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion:105 Resp: 333907  
Ion Ratio Lower Upper  
105 100  
120 46.6 37.4 56.0

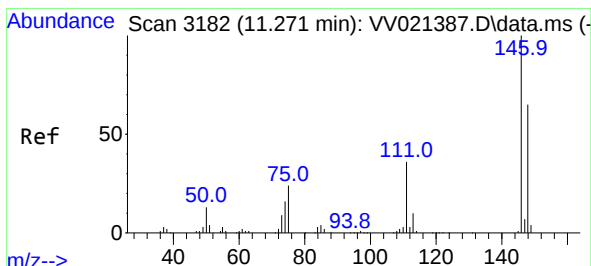
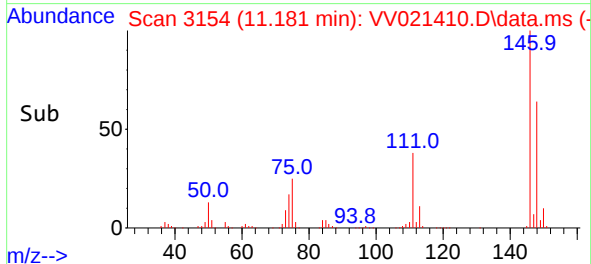
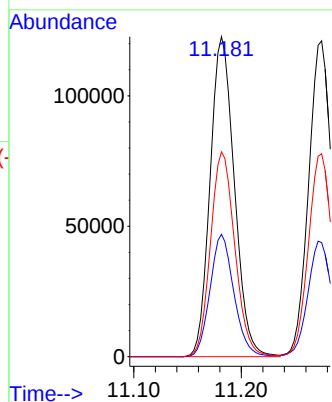
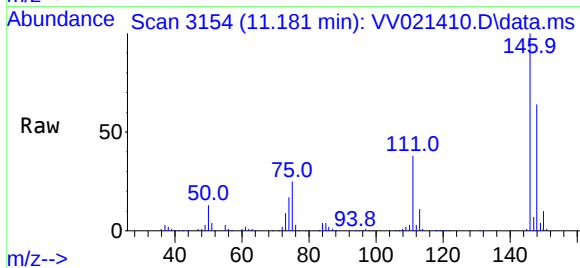




#64  
1,3-Dichlorobenzene  
Concen: 5.48 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

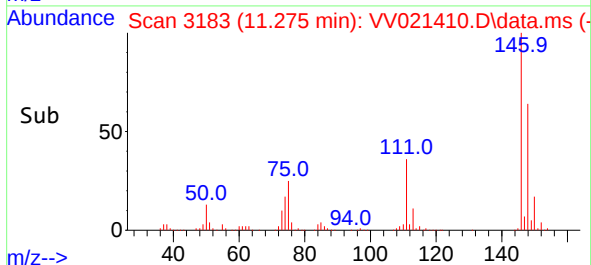
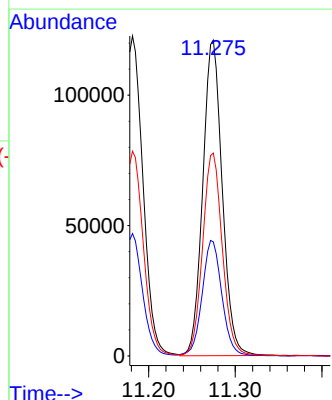
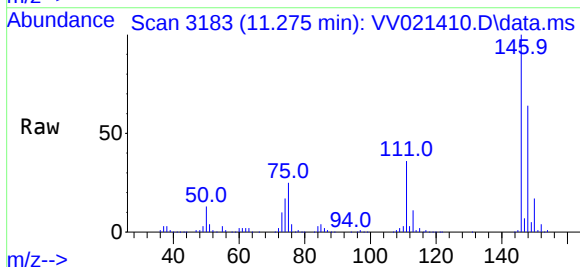
Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

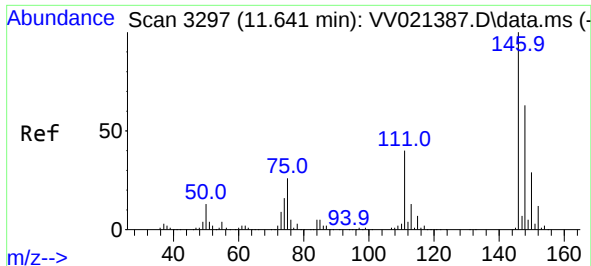
Tgt Ion:146 Resp: 191826  
Ion Ratio Lower Upper  
146 100  
111 38.3 26.2 48.6  
148 64.0 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 5.40 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion:146 Resp: 188774  
Ion Ratio Lower Upper  
146 100  
111 36.1 25.1 46.5  
148 64.2 44.4 82.5

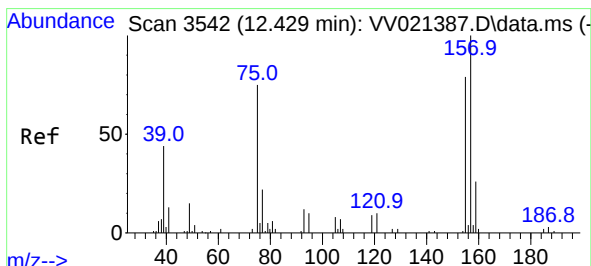
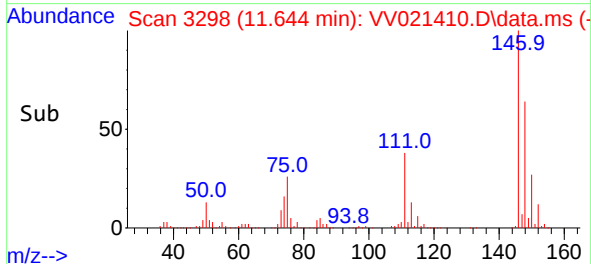
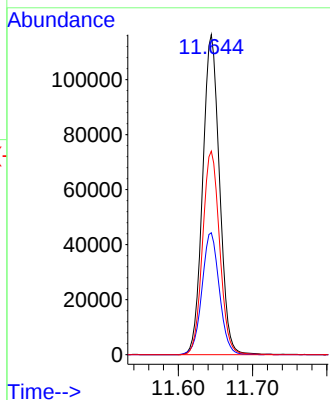
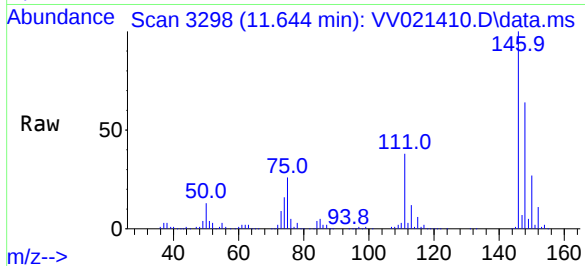




#67  
1,2-Dichlorobenzene  
Concen: 5.64 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

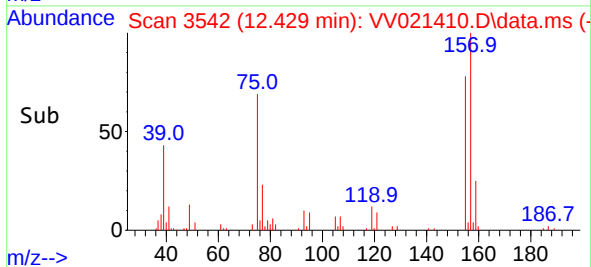
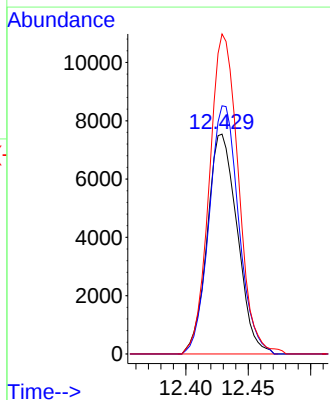
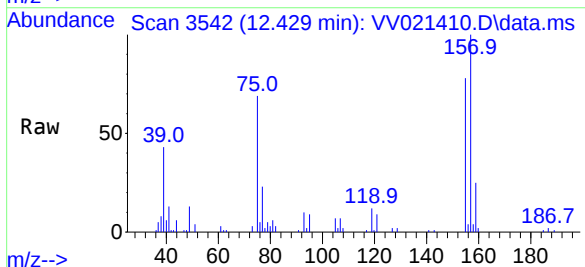
Instrument :  
MSVOA\_V  
ClientSampled :  
GB439MSD

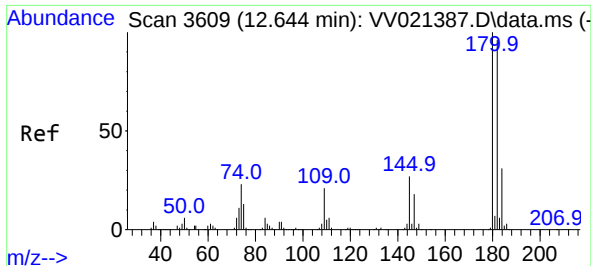
Tgt Ion:146 Resp: 182864  
Ion Ratio Lower Upper  
146 100  
111 38.1 31.2 46.8  
148 63.6 50.9 76.3



#68  
1,2-Dibromo-3-chloropropane  
Concen: 6.04 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion: 75 Resp: 12623  
Ion Ratio Lower Upper  
75 100  
155 112.9 87.2 130.8  
157 145.6 106.1 159.1



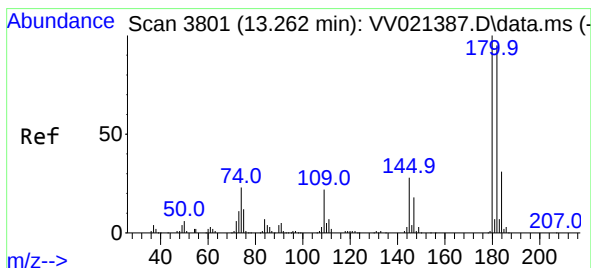
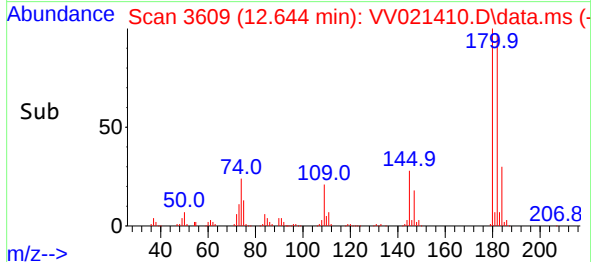
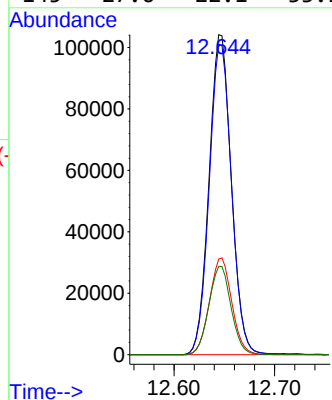
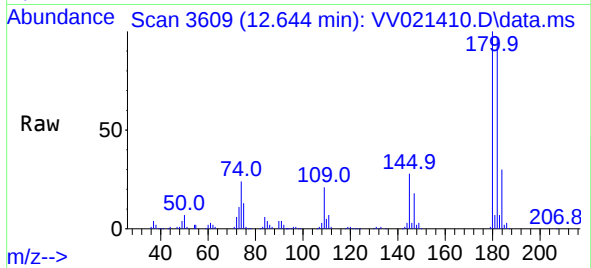


#69  
1,3,5-Trichlorobenzene  
Concen: 5.08 ug/L  
RT: 12.644 min Scan# 3609  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

Tgt Ion:180 Resp: 160281

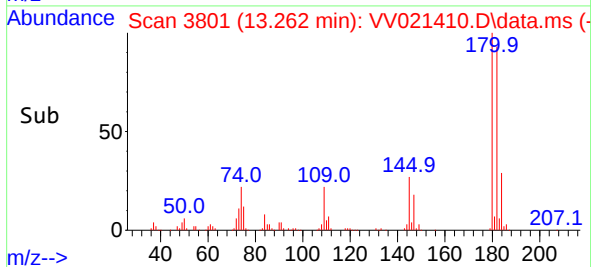
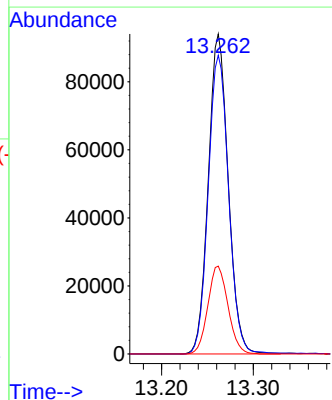
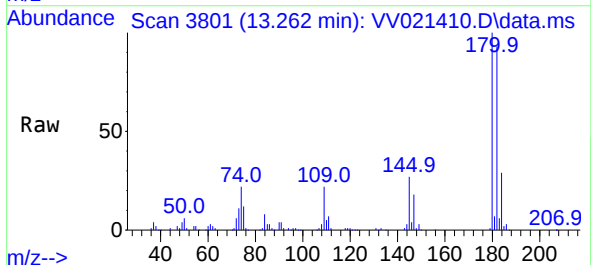
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.4  | 76.4  | 114.6 |
| 184 | 30.4  | 24.0  | 36.0  |
| 145 | 27.6  | 22.1  | 33.1  |

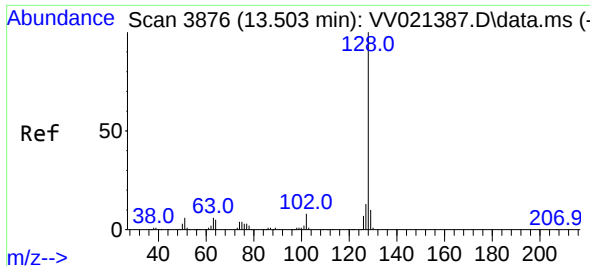


#70  
1,2,4-trichlorobenzene  
Concen: 5.43 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion:180 Resp: 142058

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.6  | 76.3  | 114.5 |
| 145 | 27.8  | 23.0  | 34.4  |



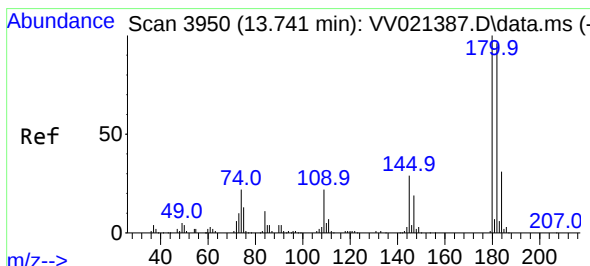
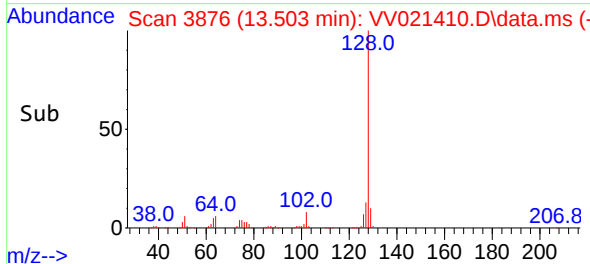
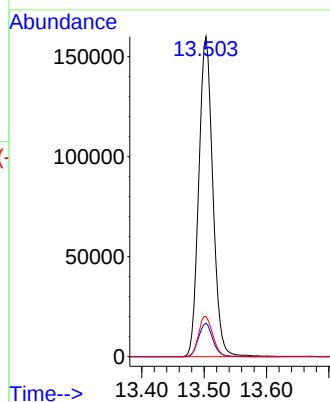
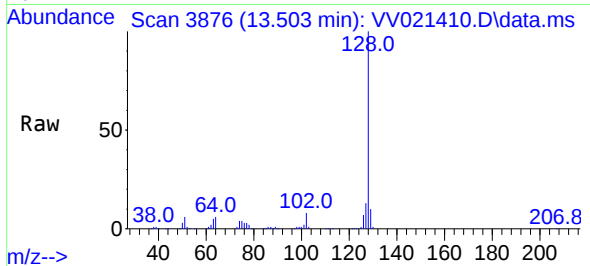


#71  
Naphthalene  
Concen: 6.11 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. 0.000 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
GB439MSD

Tgt Ion:128 Resp: 250331

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 10.5  | 8.4   | 12.6  |
| 127 | 12.8  | 10.2  | 15.4  |



#72  
1,2,3-Trichlorobenzene  
Concen: 5.67 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.003 min  
Lab File: VV021410.D  
Acq: 26 May 2021 00:01

Tgt Ion:180 Resp: 131505

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.9  | 76.3  | 114.5 |
| 145 | 29.6  | 24.3  | 36.5  |

