

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112023\  
 Data File : VW033036.D  
 Acq On : 20 Nov 2023 20:54  
 Operator : SY/MD  
 Sample : 05436-08MS  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY1C1MS

Quant Time: Nov 20 23:44:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM112023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 20 23:40:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 323713   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 320796   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 197261   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 69344    | 40.971   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 81.940%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 54253    | 41.679   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 83.360%  |
| 11) 1,1-Dichloroethene-d2     | 2.059   | 65    | 27601    | 39.854   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 79.700%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 108888   | 101.116  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 101.120% |
| 24) Chloroform-d              | 4.249   | 84    | 196247   | 47.049   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.100%  |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 121604   | 46.736   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.480%  |
| 32) Benzene-d6                | 4.960   | 84    | 335383   | 44.894   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.780%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 98554    | 46.523   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.040%  |
| 41) Toluene-d8                | 7.243   | 98    | 314777   | 44.139   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.280%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 57717    | 46.669   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.340%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 95235    | 108.639  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 108.640% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152  | 84    | 162792   | 50.484   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 100.960% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 163806   | 46.567   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.140%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 151622   | 43.354   | ug/L   | 98       |
| 3) Chloromethane              | 1.214   | 50    | 107069   | 41.023   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285   | 62    | 102528   | 42.348   | ug/L   | 99       |
| 6) Bromomethane               | 1.484   | 94    | 64976    | 40.614   | ug/L   | 97       |
| 8) Chloroethane               | 1.548   | 64    | 55811    | 41.677   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 174680   | 44.565   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 82014    | 42.435   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 77848    | 43.624   | ug/L   | 98       |
| 13) Acetone                   | 2.108   | 43    | 60133    | 57.072   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.243   | 76    | 256765   | 43.262   | ug/L   | 98       |
| 15) Methyl Acetate            | 2.368   | 43    | 78559    | 42.530   | ug/L   | 99       |
| 16) Methylene chloride        | 2.445   | 84    | 107232   | 42.414   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 101913   | 44.624   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 327535   | 45.719   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 175336   | 42.979   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.812   | 96    | 117576   | 45.917   | ug/L   | 98       |
| 22) 2-Butanone                | 3.863   | 43    | 105823   | 77.568   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.146   | 128   | 62848    | 44.623   | ug/L   | 96       |
| 25) Chloroform                | 4.275   | 83    | 207946   | 45.288   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112023\  
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 Operator : SY/MD  
 Sample : 05436-08MS  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

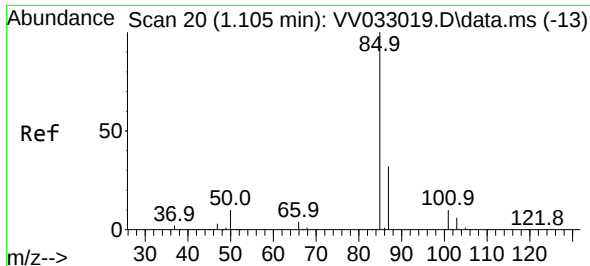
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY1C1MS

Quant Time: Nov 20 23:44:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM112023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 20 23:40:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 164440   | 45.907 | ug/L  | 99       |
| 29) Cyclohexane               | 4.583  | 56   | 145497   | 47.009 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.513  | 97   | 196528   | 46.904 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 179155   | 45.883 | ug/L  | 99       |
| 33) Benzene                   | 5.011  | 78   | 422112   | 47.306 | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 124942   | 49.677 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.050  | 83   | 171598   | 46.941 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.091  | 63   | 101118   | 46.169 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 156558   | 46.006 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 175646   | 46.584 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 231718   | 96.724 | ug/L  | 98       |
| 42) Toluene                   | 7.316  | 91   | 467981   | 47.333 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 175714   | 46.376 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 112645   | 45.669 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.905  | 164  | 100867   | 46.021 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.072  | 43   | 176341   | 93.042 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.175  | 129  | 131077   | 46.109 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 122008   | 47.230 | ug/L  | 96       |
| 51) Chlorobenzene             | 8.815  | 112  | 316741   | 45.146 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 530115   | 46.706 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 207700   | 46.576 | ug/L  | 98       |
| 54) o-Xylene                  | 9.480  | 106  | 204638   | 47.673 | ug/L  | 99       |
| 55) Styrene                   | 9.496  | 104  | 369571   | 48.264 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 165708   | 47.557 | ug/L  | 100      |
| 59) Bromoform                 | 9.667  | 173  | 105092   | 45.714 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.869  | 105  | 565418   | 47.282 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 129957   | 45.668 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 443601   | 46.235 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 471167   | 46.877 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 287665   | 44.900 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 294497   | 43.244 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 286681   | 44.593 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 38814    | 46.886 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 212982   | 42.759 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.200 | 180  | 196065   | 42.952 | ug/L  | 99       |
| 71) Naphthalene               | 13.438 | 128  | 537876   | 47.640 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 203789   | 46.046 | ug/L  | 99       |

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

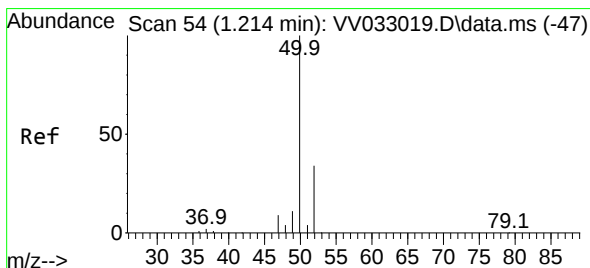
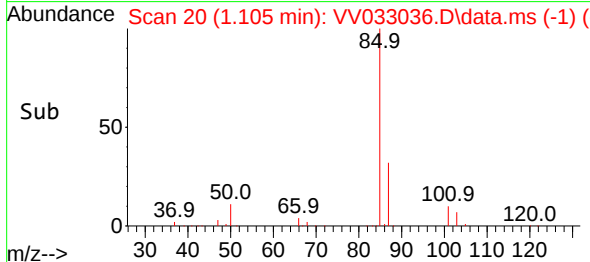
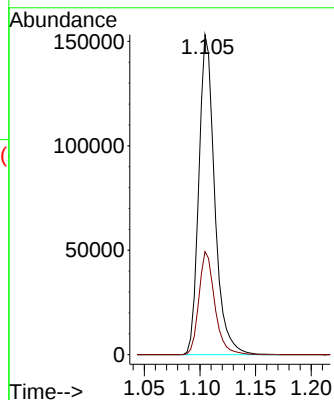
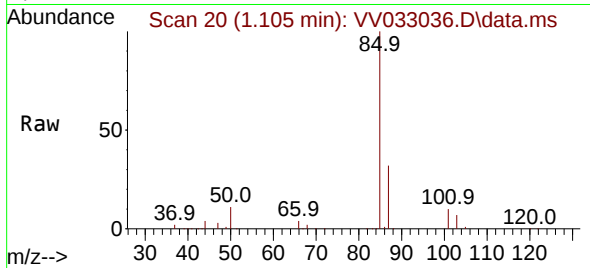




#2  
 Dichlorodifluoromethane  
 Concen: 43.354 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV033036.D  
 Acq: 20 Nov 2023 20:54

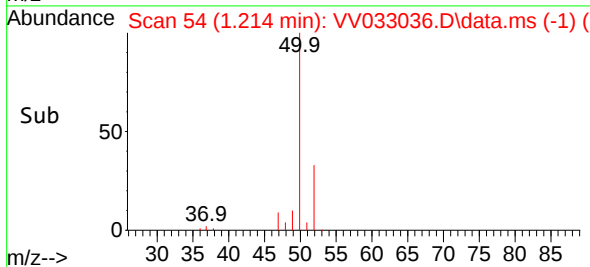
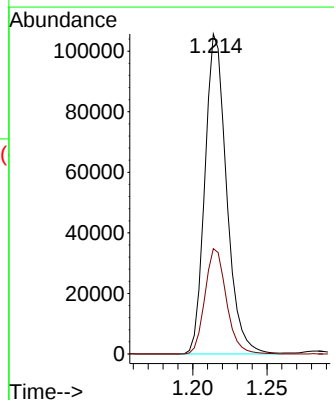
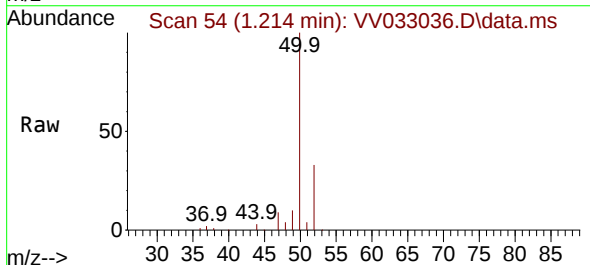
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY1C1MS

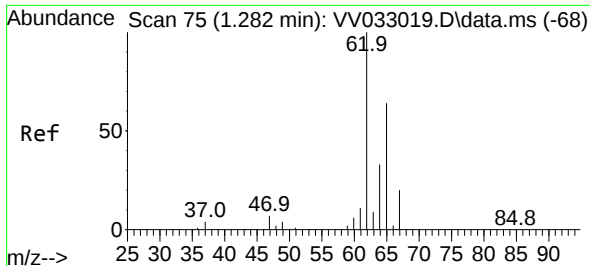
Tgt Ion: 85 Resp: 151622  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 26.8 40.2



#3  
 Chloromethane  
 Concen: 41.023 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. -0.000 min  
 Lab File: VV033036.D  
 Acq: 20 Nov 2023 20:54

Tgt Ion: 50 Resp: 107069  
 Ion Ratio Lower Upper  
 50 100  
 52 32.9 22.7 42.3

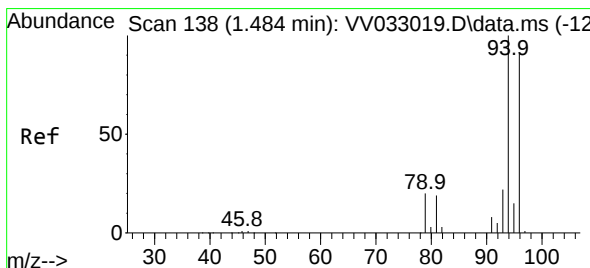
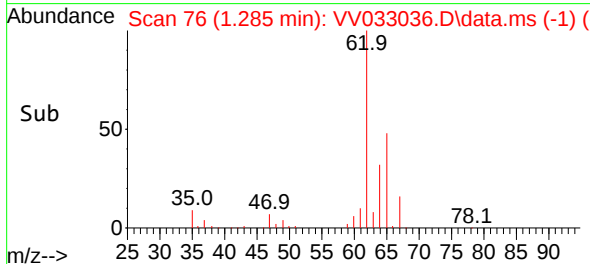
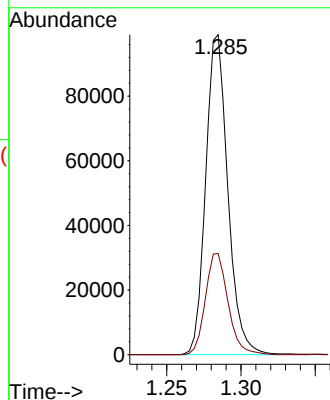
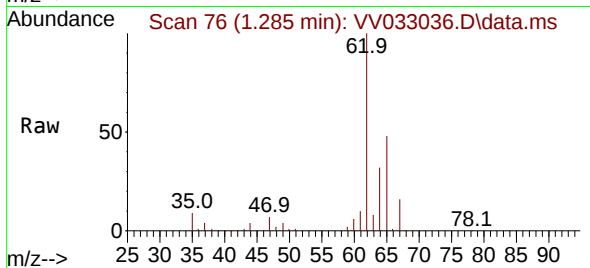




#5  
 Vinyl chloride  
 Concen: 42.348 ug/L  
 RT: 1.285 min Scan# 75  
 Delta R.T. 0.003 min  
 Lab File: VV033036.D  
 Acq: 20 Nov 2023 20:54

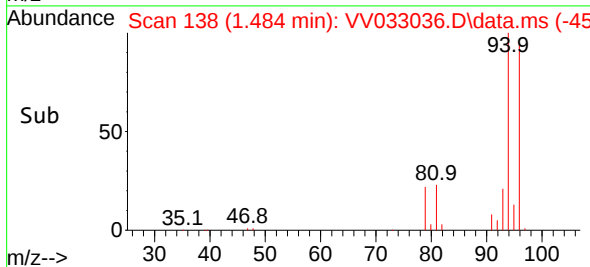
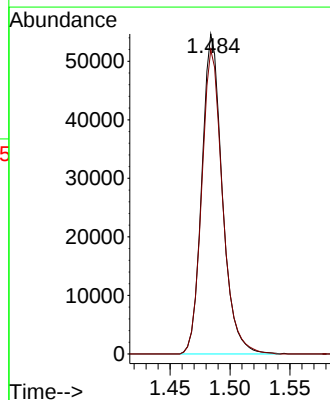
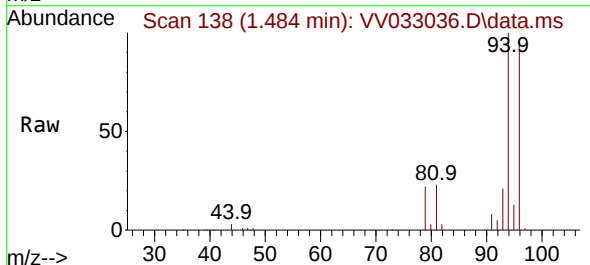
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY1C1MS

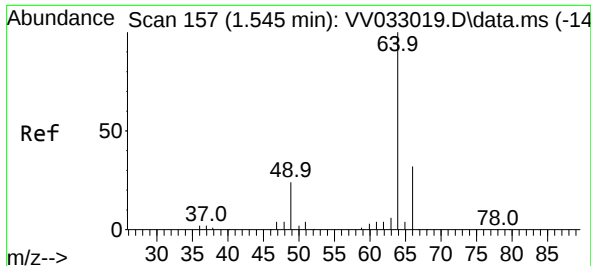
Tgt Ion: 62 Resp: 102528  
 Ion Ratio Lower Upper  
 62 100  
 64 31.7 22.7 42.1



#6  
 Bromomethane  
 Concen: 40.614 ug/L  
 RT: 1.484 min Scan# 138  
 Delta R.T. -0.000 min  
 Lab File: VV033036.D  
 Acq: 20 Nov 2023 20:54

Tgt Ion: 94 Resp: 64976  
 Ion Ratio Lower Upper  
 94 100  
 96 95.1 64.4 119.6





#8

Chloroethane

Concen: 41.677 ug/L

RT: 1.548 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

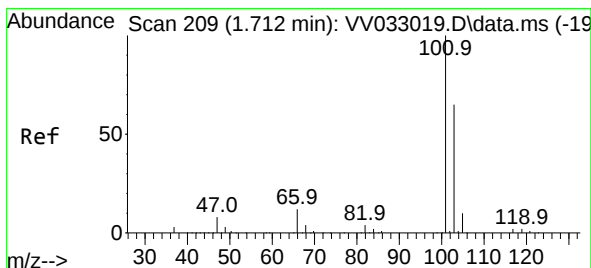
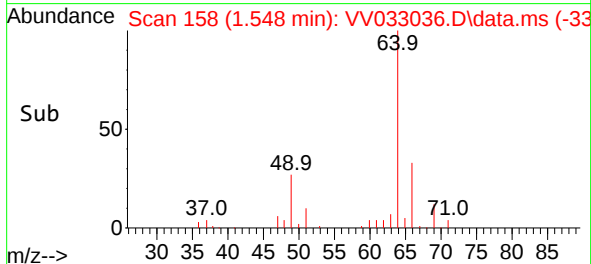
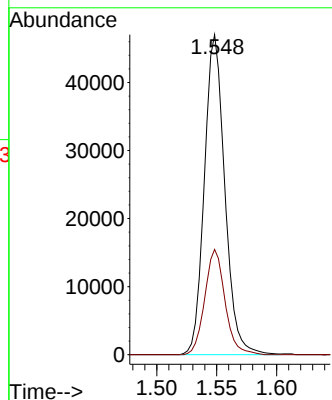
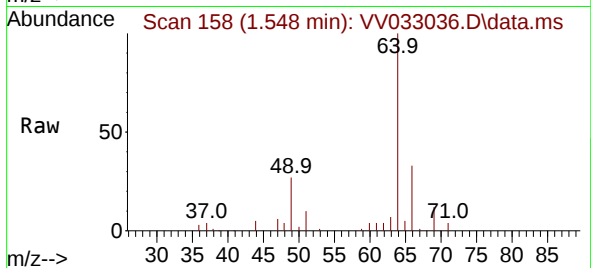
EY1C1MS

Tgt Ion: 64 Resp: 55811

Ion Ratio Lower Upper

64 100

66 32.9 22.8 42.4



#9

Trichlorofluoromethane

Concen: 44.565 ug/L

RT: 1.712 min Scan# 209

Delta R.T. -0.000 min

Lab File: VV033036.D

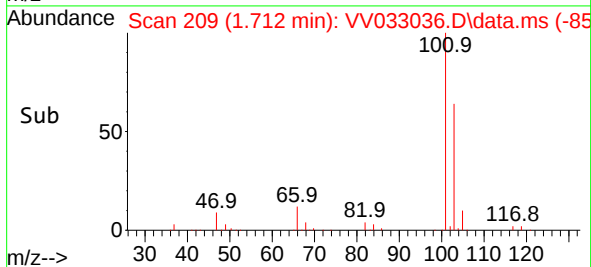
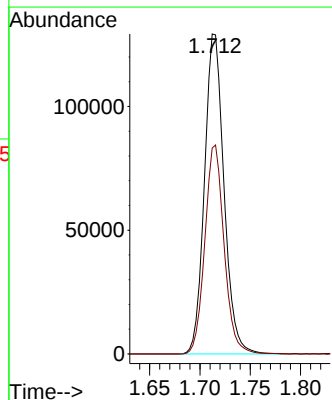
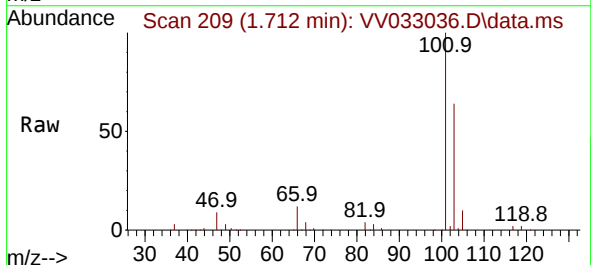
Acq: 20 Nov 2023 20:54

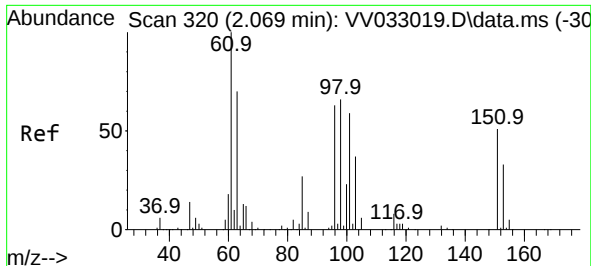
Tgt Ion:101 Resp: 174680

Ion Ratio Lower Upper

101 100

103 64.3 52.1 78.1

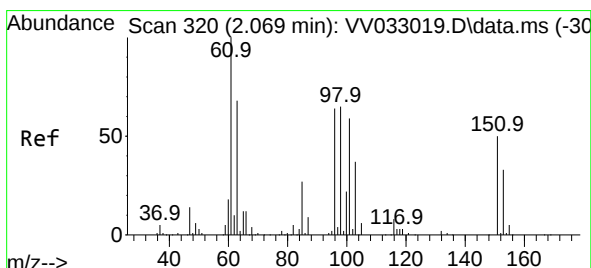
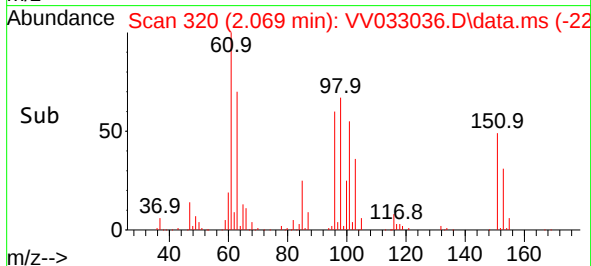
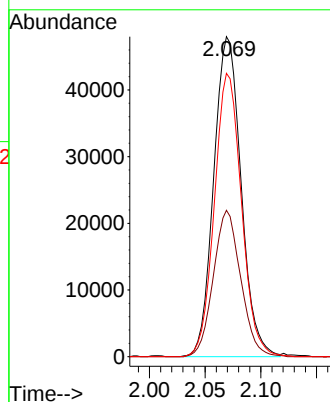
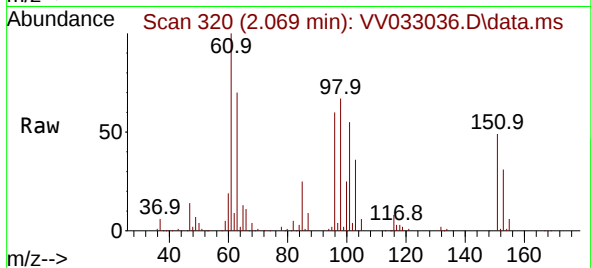




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 42.435 ug/L  
 RT: 2.069 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV033036.D  
 Acq: 20 Nov 2023 20:54

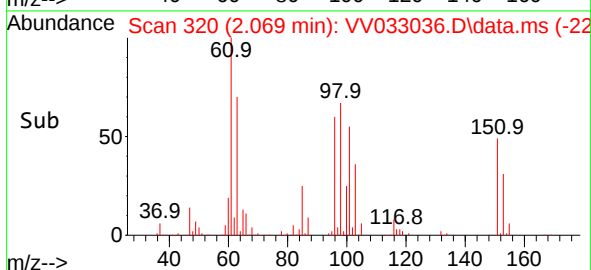
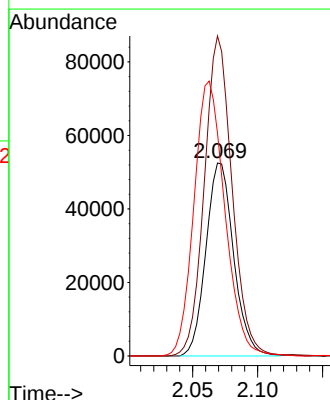
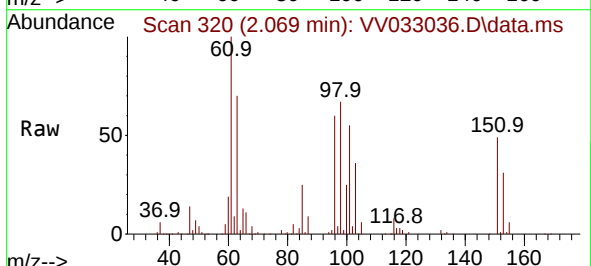
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY1C1MS

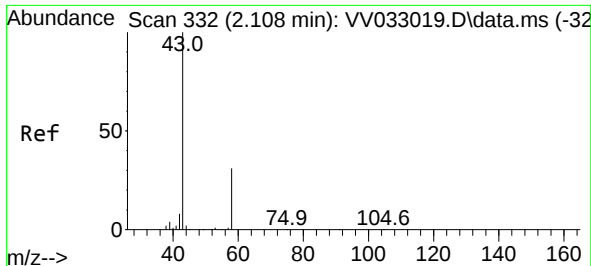
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 Ion Ratio Lower Upper  
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 151 87.6 67.0 100.4



#12  
 1,1-Dichloroethene  
 Concen: 43.624 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. -0.000 min  
 Lab File: VV033036.D  
 Acq: 20 Nov 2023 20:54

Tgt Ion: 96 Resp: 77848  
 Ion Ratio Lower Upper  
 96 100  
 61 165.8 116.6 216.6  
 63 115.6 84.8 157.4





#13

Acetone

Concen: 57.072 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

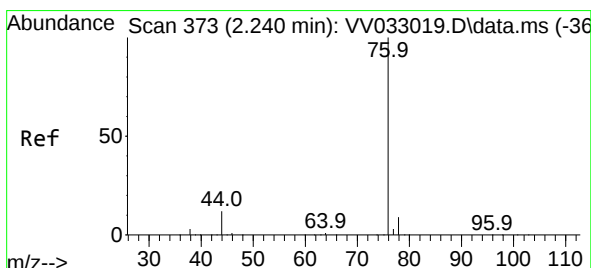
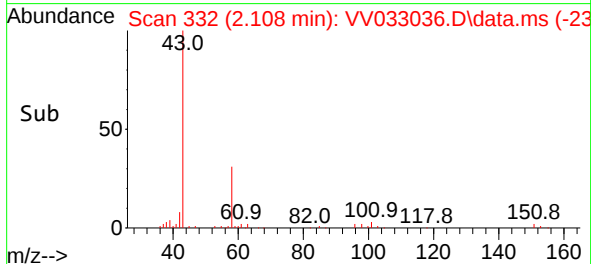
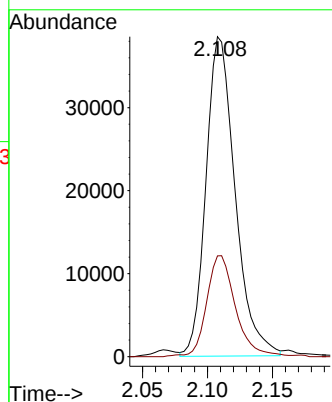
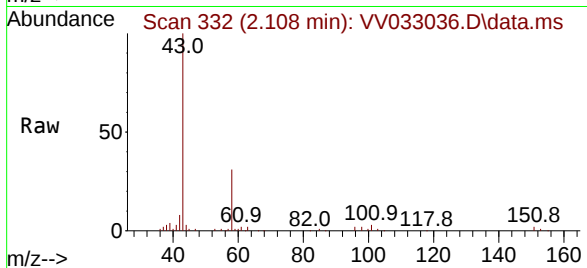
EY1C1MS

Tgt Ion: 43 Resp: 60133

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.6



#14

Carbon disulfide

Concen: 43.262 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV033036.D

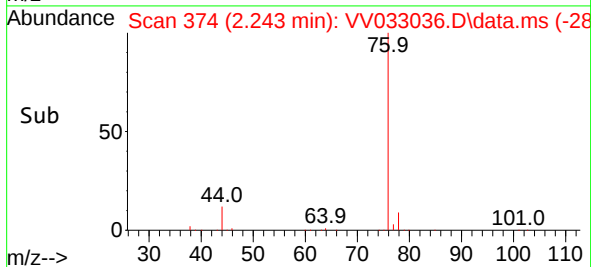
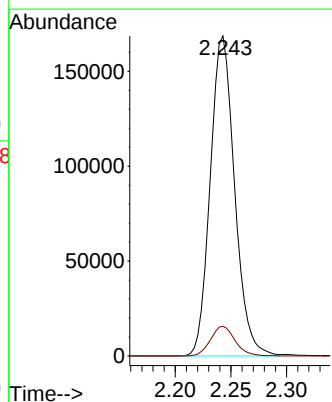
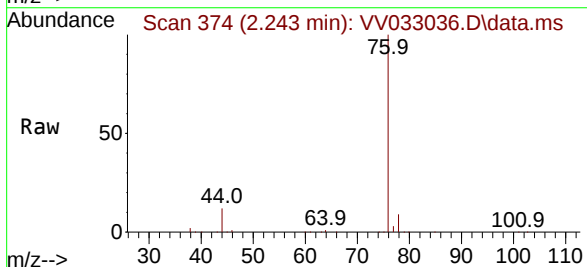
Acq: 20 Nov 2023 20:54

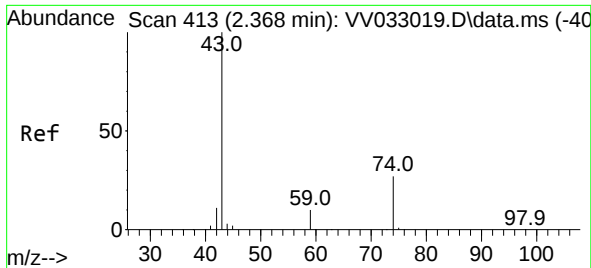
Tgt Ion: 76 Resp: 256765

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

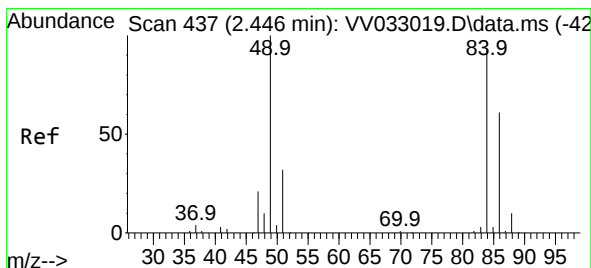
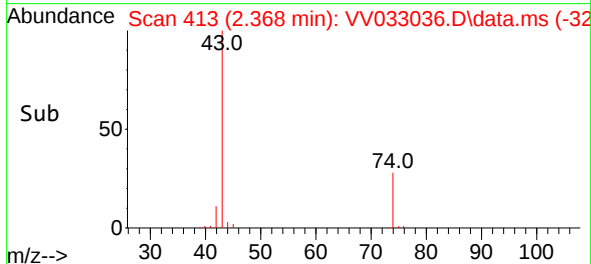
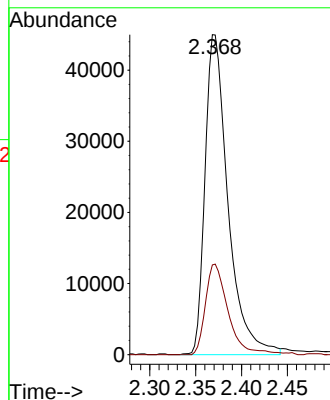
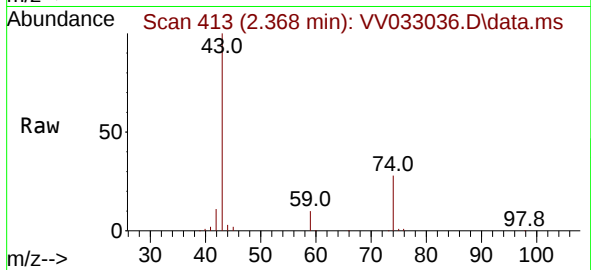




#15  
Methyl Acetate  
Concen: 42.530 ug/L  
RT: 2.368 min Scan# 413  
Delta R.T. -0.000 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

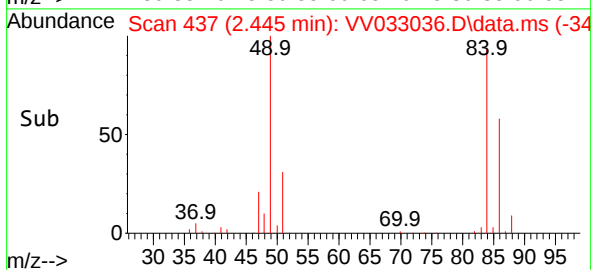
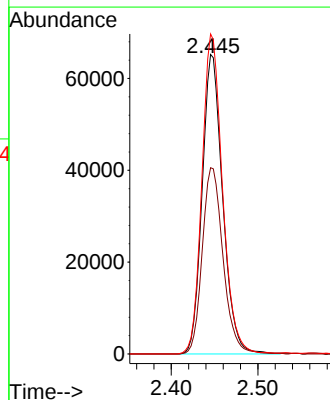
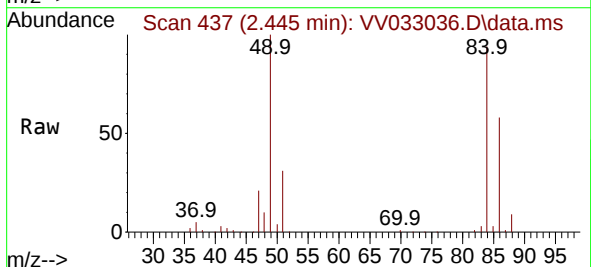
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

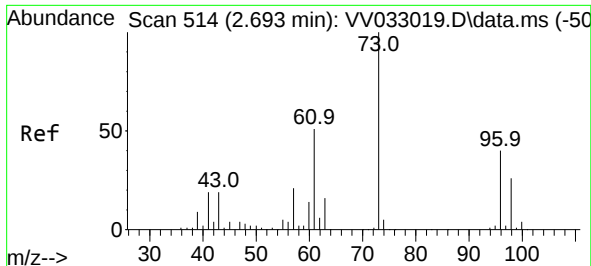
Tgt Ion: 43 Resp: 78559  
Ion Ratio Lower Upper  
43 100  
74 28.0 22.7 34.1



#16  
Methylene chloride  
Concen: 42.414 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion: 84 Resp: 107232  
Ion Ratio Lower Upper  
84 100  
86 62.2 44.7 83.1  
49 106.8 76.6 142.3

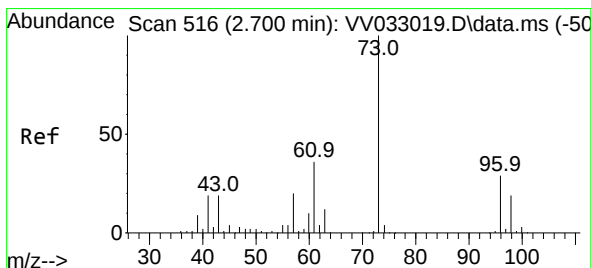
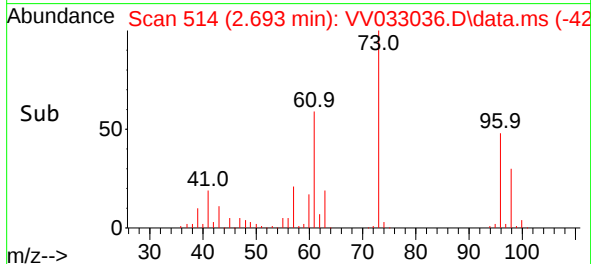
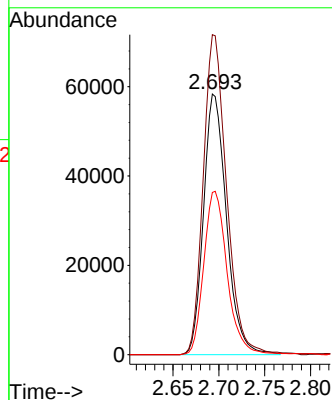
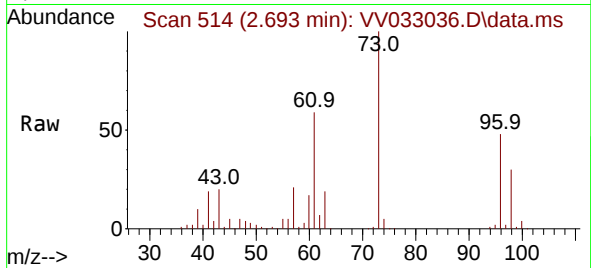




#17  
trans-1,2-Dichloroethene  
Concen: 44.624 ug/L  
RT: 2.693 min Scan# 514  
Delta R.T. -0.000 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

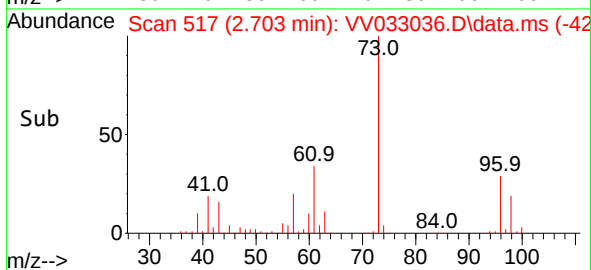
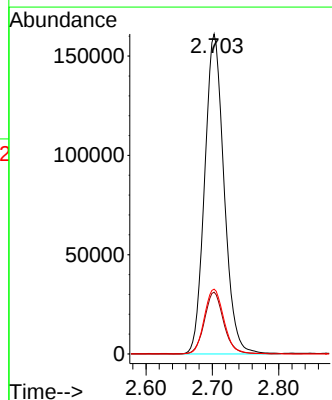
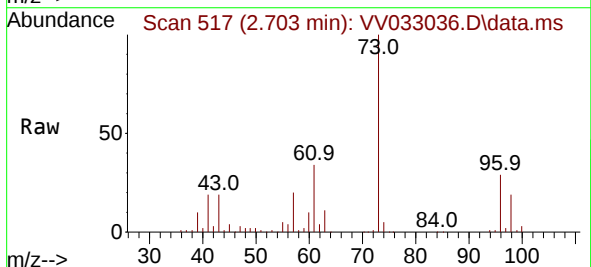
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

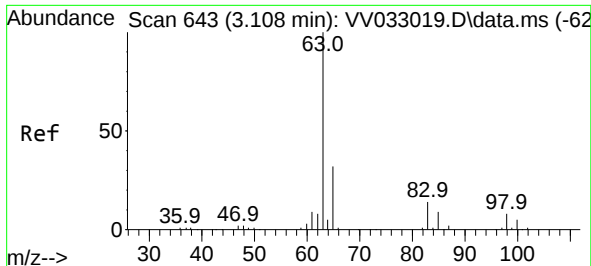
Tgt Ion: 96 Resp: 101913  
Ion Ratio Lower Upper  
96 100  
61 122.8 89.5 166.3  
98 62.3 43.6 81.0



#18  
Methyl tert-butyl Ether  
Concen: 45.719 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion: 73 Resp: 327535  
Ion Ratio Lower Upper  
73 100  
43 18.9 15.2 22.8  
57 20.4 15.8 23.8

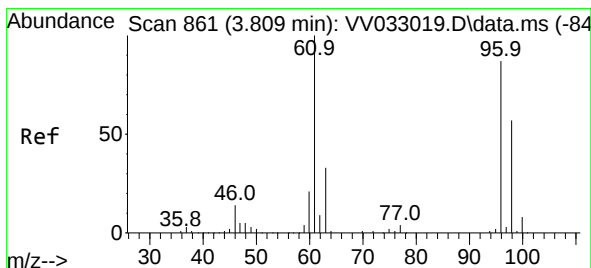
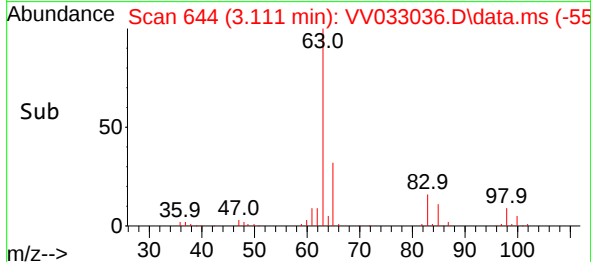
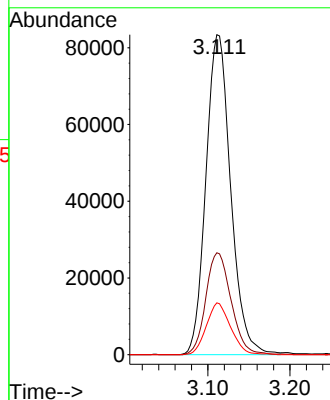
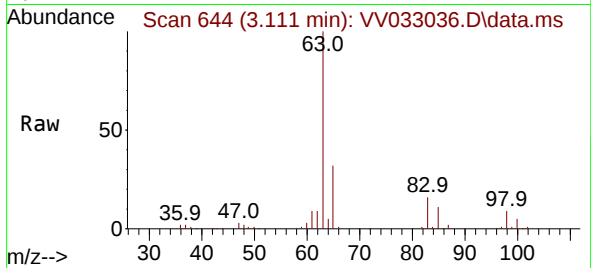




#19  
 1,1-Dichloroethane  
 Concen: 42.979 ug/L  
 RT: 3.111 min Scan# 64  
 Delta R.T. 0.003 min  
 Lab File: VV033036.D  
 Acq: 20 Nov 2023 20:54

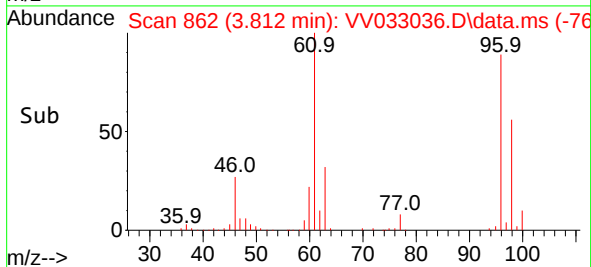
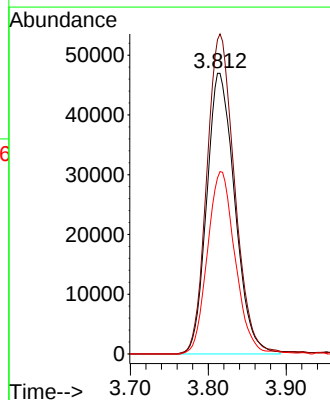
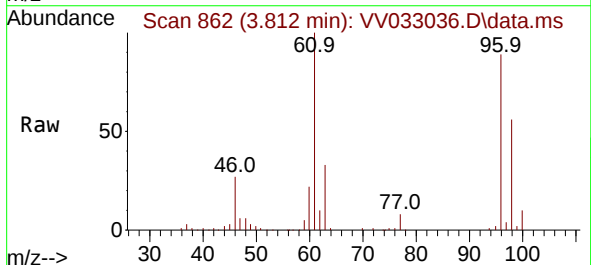
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY1C1MS

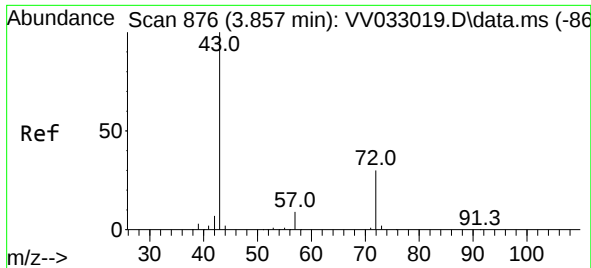
Tgt Ion: 63 Resp: 175336  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 22.4 41.6  
 83 16.2 10.7 19.9



#20  
 cis-1,2-Dichloroethene  
 Concen: 45.917 ug/L  
 RT: 3.812 min Scan# 862  
 Delta R.T. 0.003 min  
 Lab File: VV033036.D  
 Acq: 20 Nov 2023 20:54

Tgt Ion: 96 Resp: 117576  
 Ion Ratio Lower Upper  
 96 100  
 61 112.0 80.2 149.0  
 98 62.7 45.1 83.7

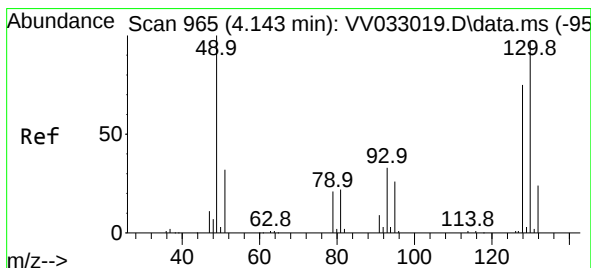
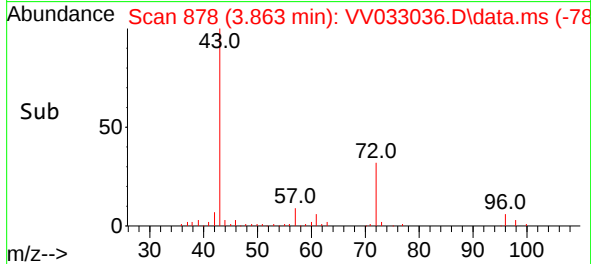
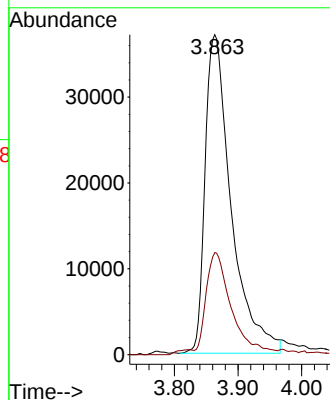
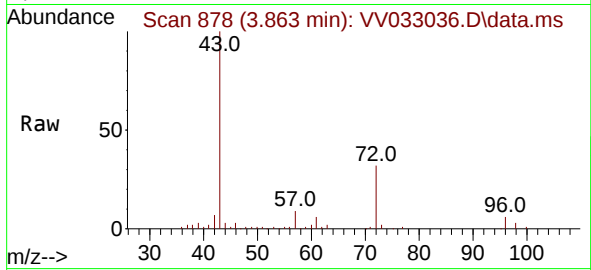




#22  
2-Butanone  
Concen: 77.568 ug/L  
RT: 3.863 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

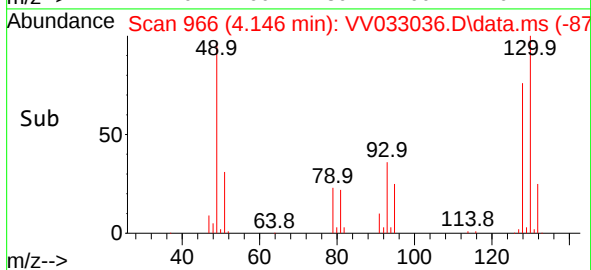
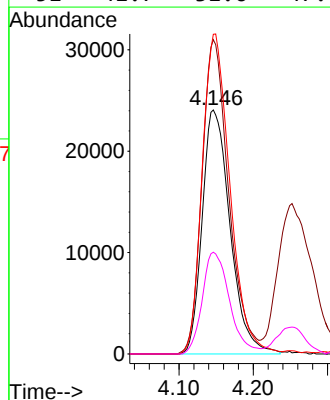
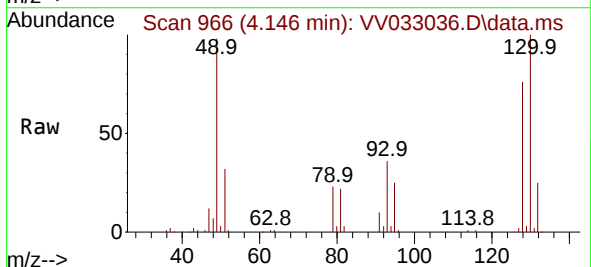
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

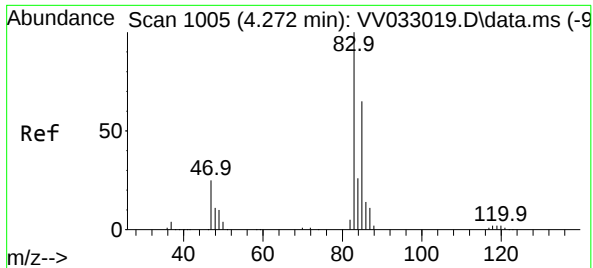
Tgt Ion: 43 Resp: 105823  
Ion Ratio Lower Upper  
43 100  
72 27.2 13.9 41.7



#23  
Bromochloromethane  
Concen: 44.623 ug/L  
RT: 4.146 min Scan# 966  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion: 128 Resp: 62848  
Ion Ratio Lower Upper  
128 100  
49 128.8 87.1 161.7  
130 131.0 88.1 163.5  
51 41.7 31.6 47.4





#25

Chloroform

Concen: 45.288 ug/L

RT: 4.275 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

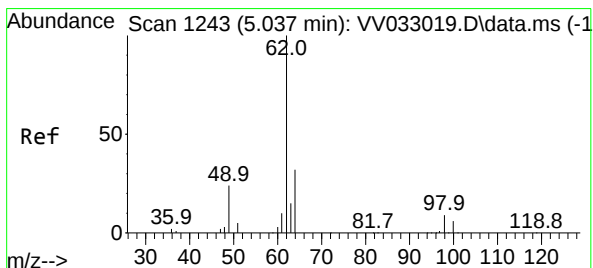
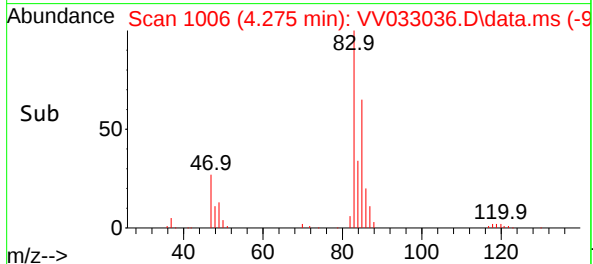
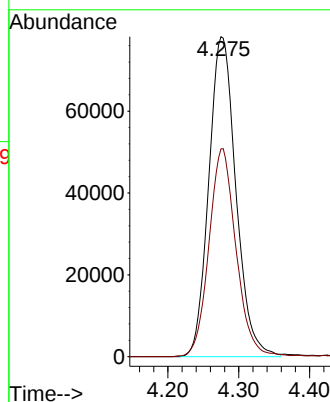
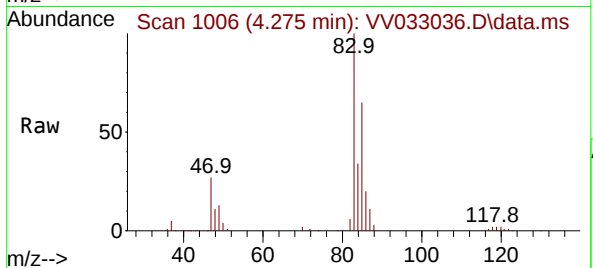
EY1C1MS

Tgt Ion: 83 Resp: 207946

Ion Ratio Lower Upper

83 100

85 64.9 46.2 85.8



#27

1,2-Dichloroethane

Concen: 45.907 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV033036.D

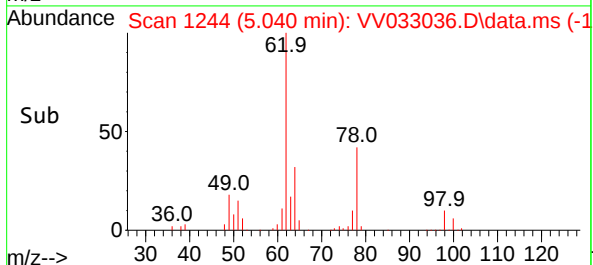
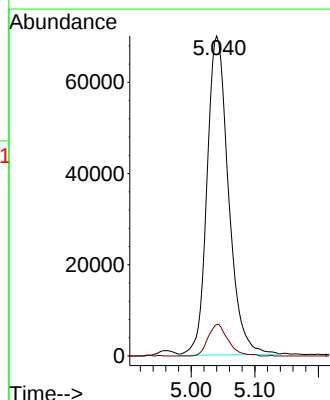
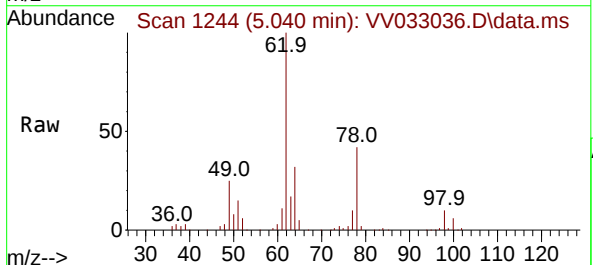
Acq: 20 Nov 2023 20:54

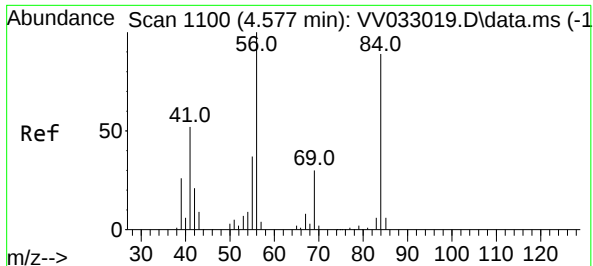
Tgt Ion: 62 Resp: 164440

Ion Ratio Lower Upper

62 100

98 9.9 8.3 12.5





#29

Cyclohexane

Concen: 47.009 ug/L

RT: 4.583 min Scan# 1100

Delta R.T. 0.006 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

EY1C1MS

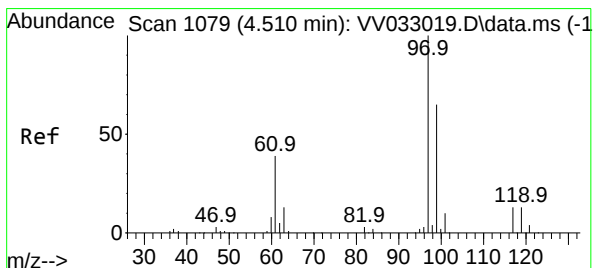
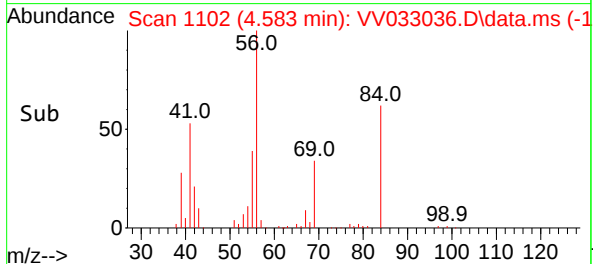
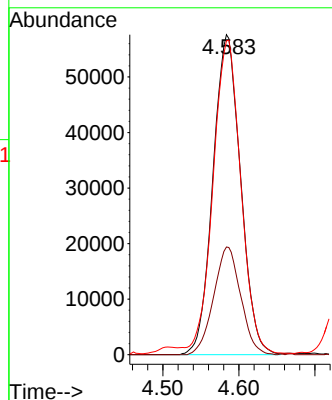
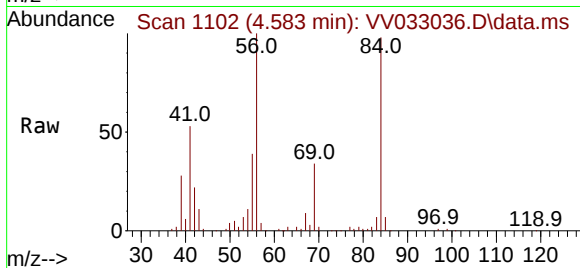
Tgt Ion: 56 Resp: 145497

Ion Ratio Lower Upper

56 100

69 32.8 26.7 40.1

84 98.4 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 46.904 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

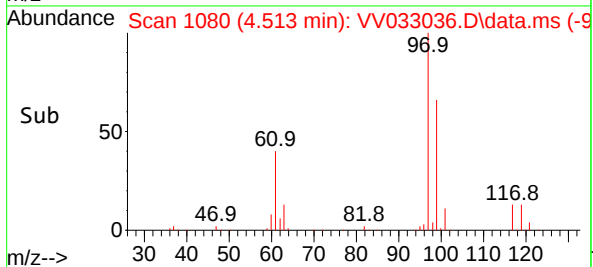
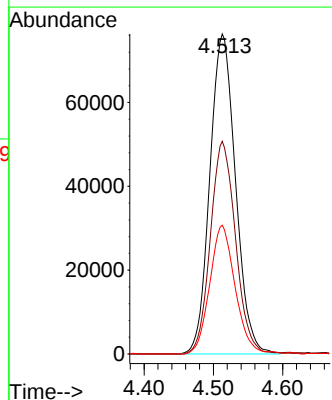
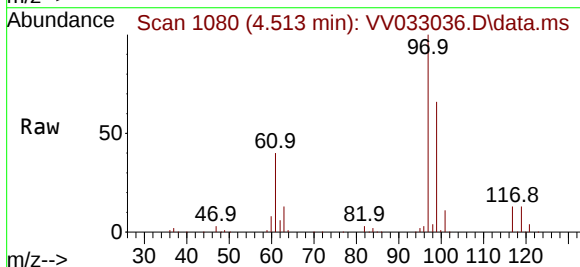
Tgt Ion: 97 Resp: 196528

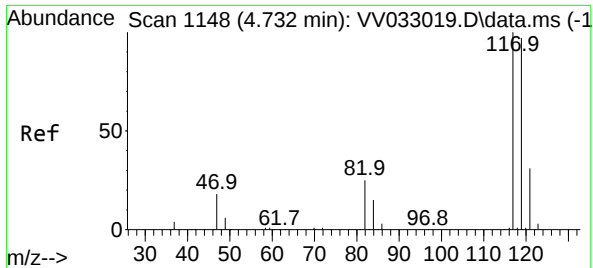
Ion Ratio Lower Upper

97 100

99 65.1 51.2 76.8

61 39.6 32.1 48.1

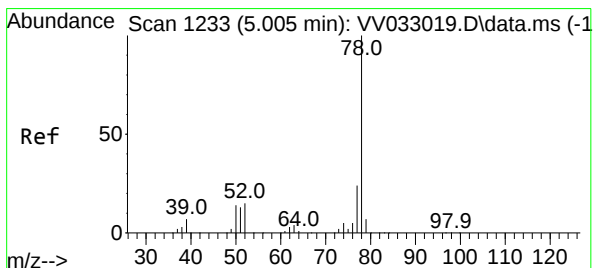
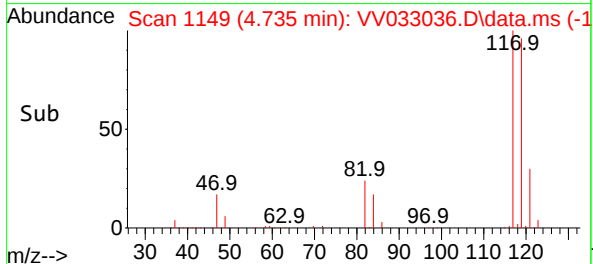
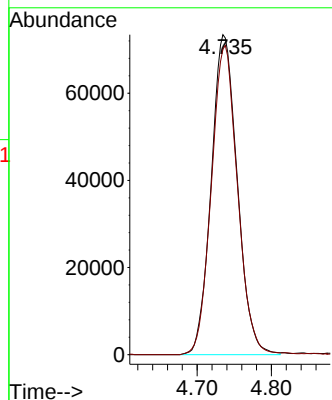
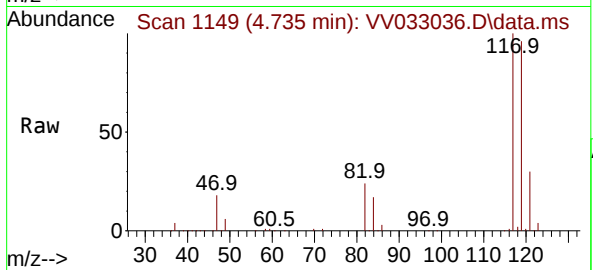




#31  
Carbon tetrachloride  
Concen: 45.883 ug/L  
RT: 4.735 min Scan# 1148  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

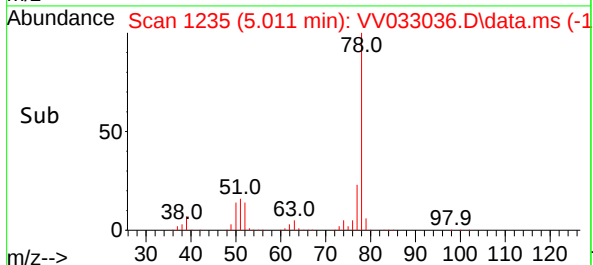
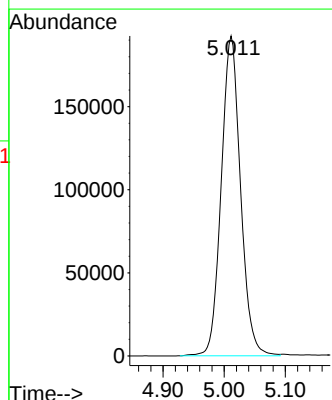
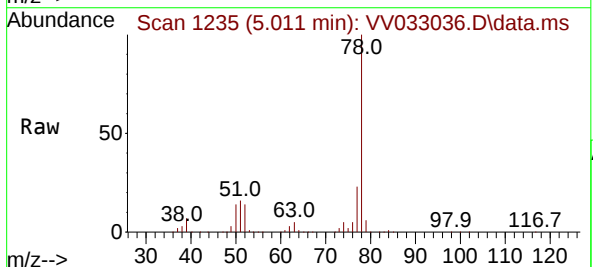
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

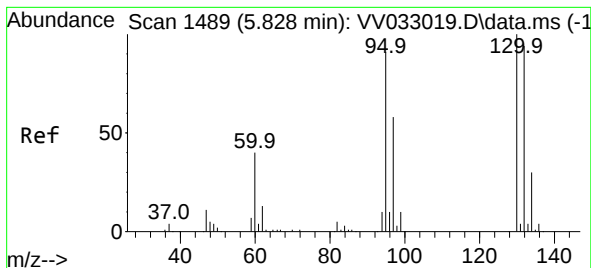
Tgt Ion:117 Resp: 179155  
Ion Ratio Lower Upper  
117 100  
119 97.0 76.5 114.7



#33  
Benzene  
Concen: 47.306 ug/L  
RT: 5.011 min Scan# 1235  
Delta R.T. 0.006 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion: 78 Resp: 422112





#34

Trichloroethene

Concen: 49.677 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

EY1C1MS

Tgt Ion: 95 Resp: 124942

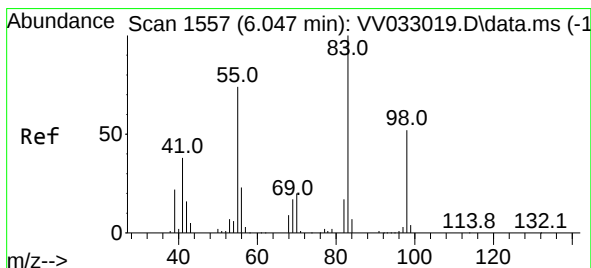
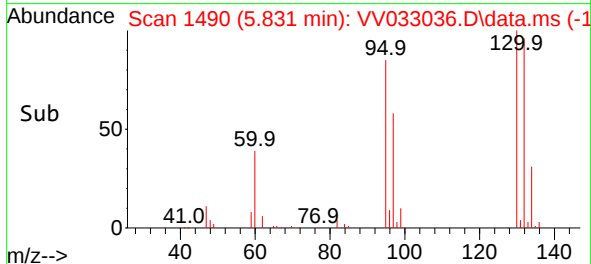
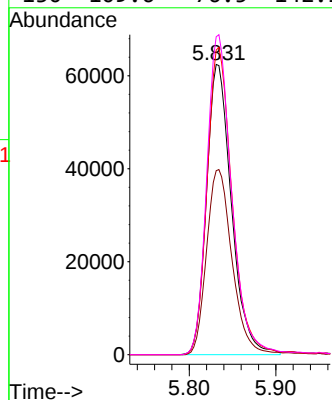
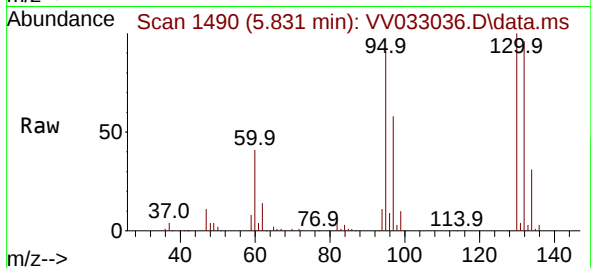
Ion Ratio Lower Upper

95 100

97 63.4 46.0 85.4

132 105.0 76.0 141.2

130 109.6 76.5 142.1



#35

Methylcyclohexane

Concen: 46.941 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

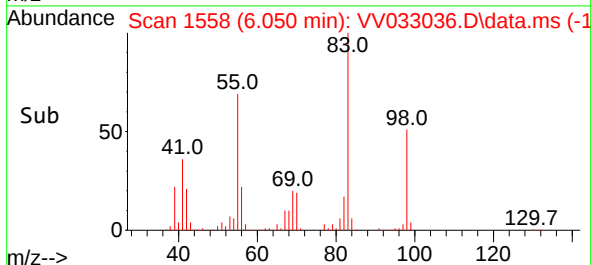
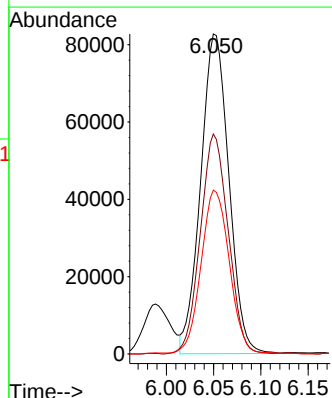
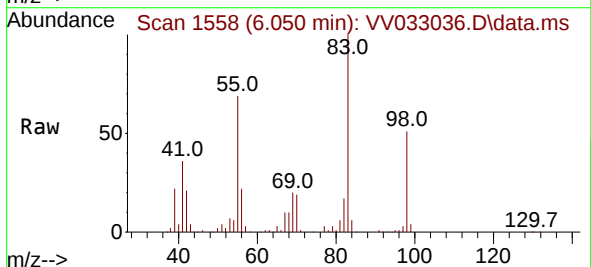
Tgt Ion: 83 Resp: 171598

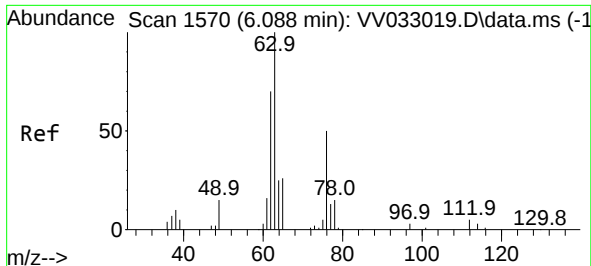
Ion Ratio Lower Upper

83 100

55 68.0 56.3 84.5

98 50.9 40.5 60.7





#37

1,2-Dichloropropane

Concen: 46.169 ug/L

RT: 6.091 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

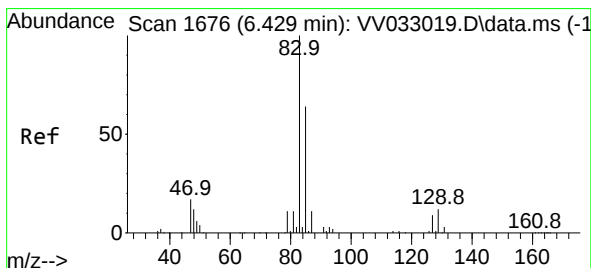
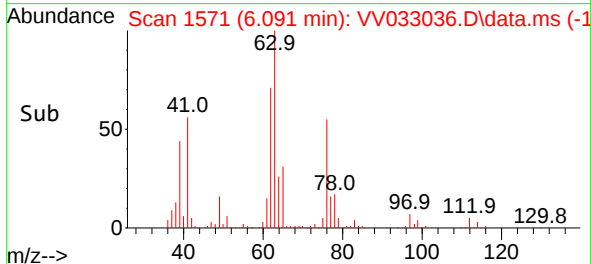
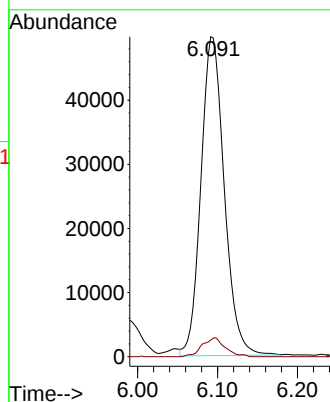
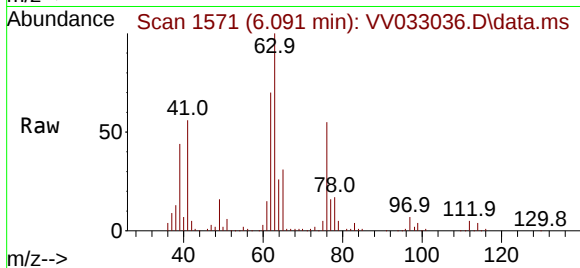
EY1C1MS

Tgt Ion: 63 Resp: 101118

Ion Ratio Lower Upper

63 100

112 5.7 4.6 7.0



#38

Bromodichloromethane

Concen: 46.006 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

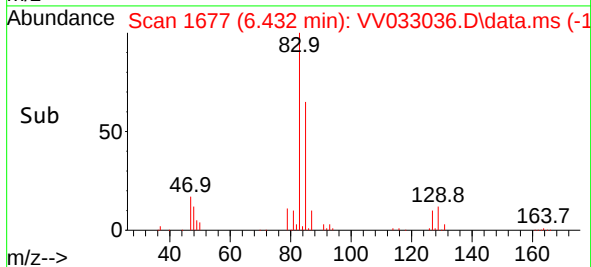
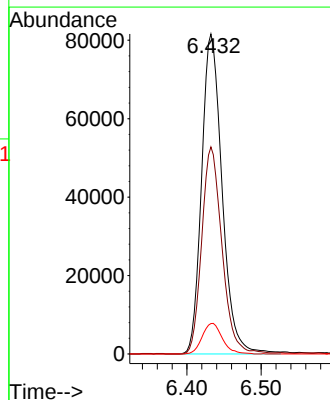
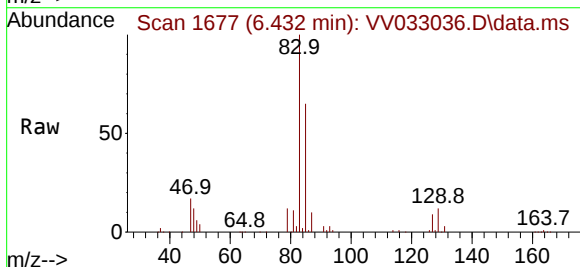
Tgt Ion: 83 Resp: 156558

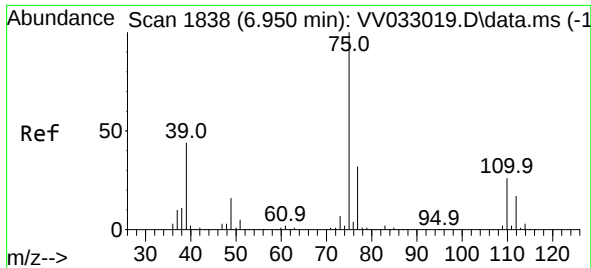
Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1

127 9.5 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 46.584 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

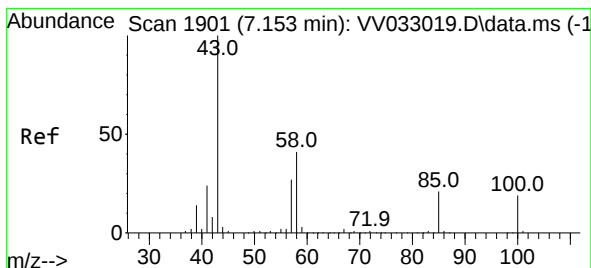
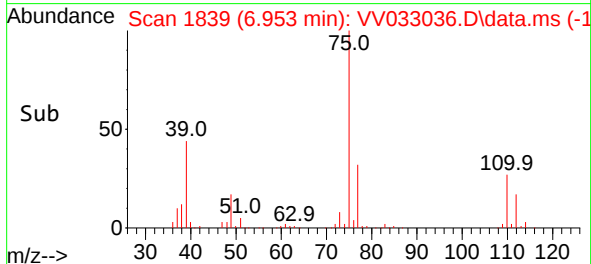
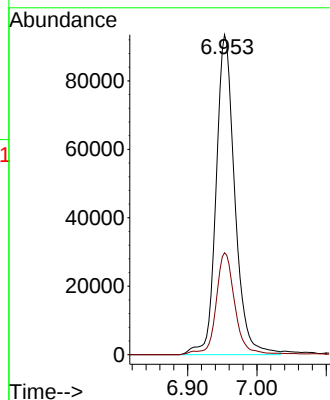
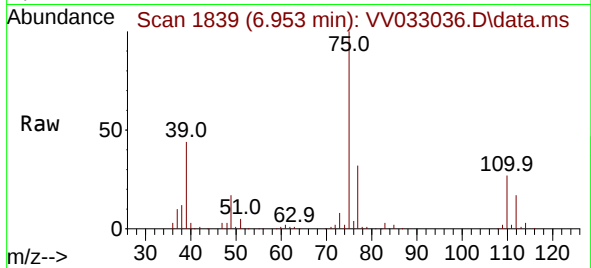
EY1C1MS

Tgt Ion: 75 Resp: 175646

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 96.724 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

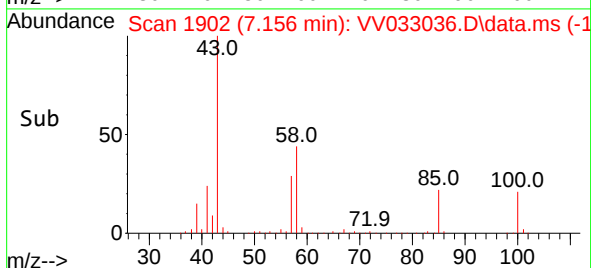
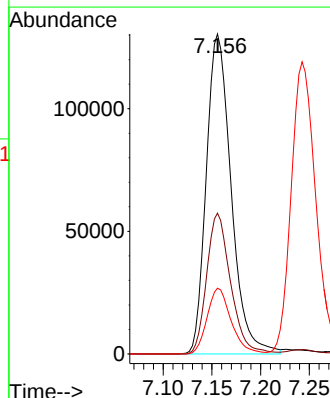
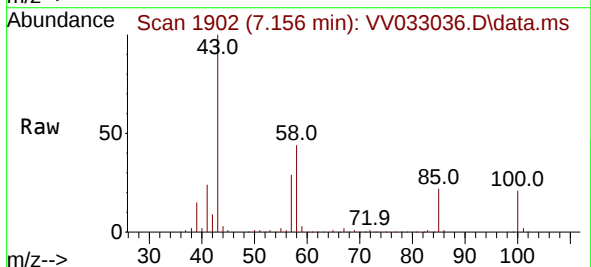
Tgt Ion: 43 Resp: 231718

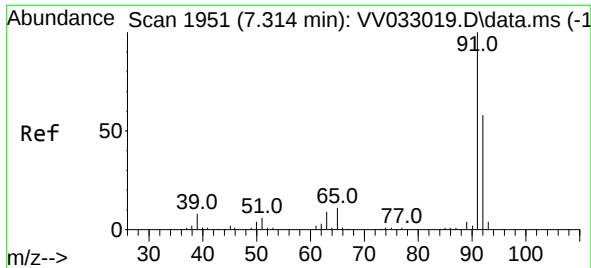
Ion Ratio Lower Upper

43 100

58 42.2 33.2 49.8

100 19.8 14.9 22.3





#42

Toluene

Concen: 47.333 ug/L

RT: 7.316 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

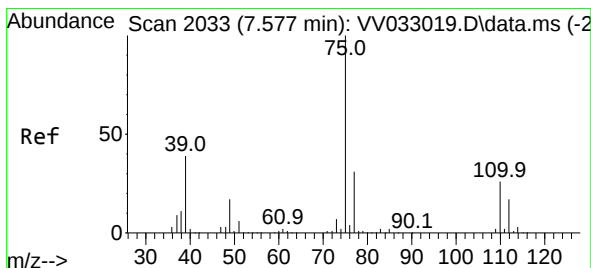
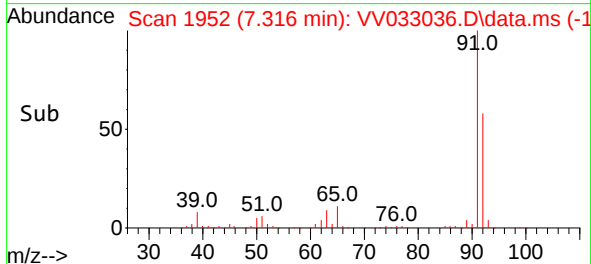
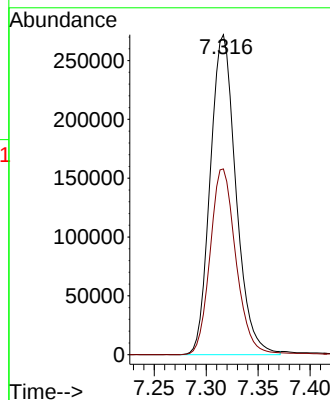
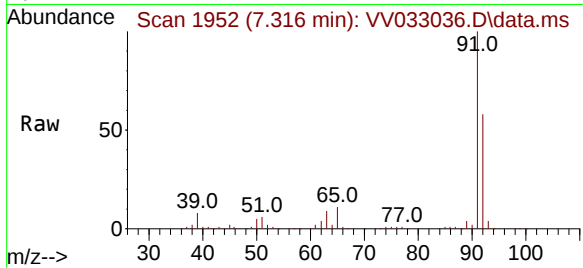
EY1C1MS

Tgt Ion: 91 Resp: 467981

Ion Ratio Lower Upper

91 100

92 58.1 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 46.376 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV033036.D

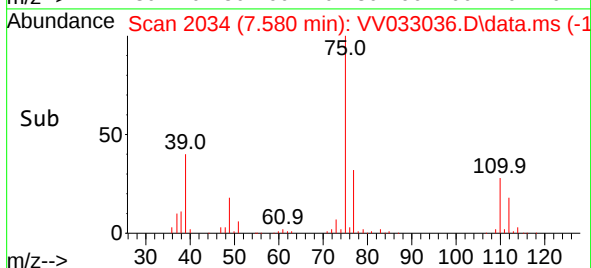
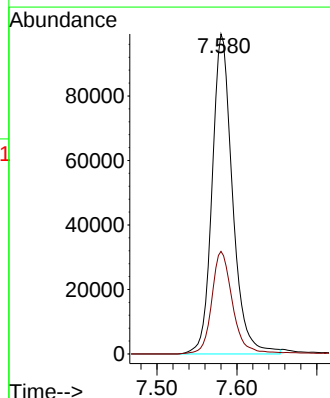
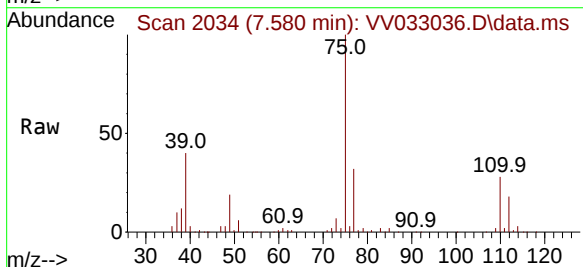
Acq: 20 Nov 2023 20:54

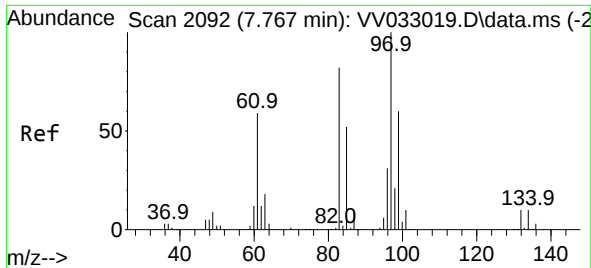
Tgt Ion: 75 Resp: 175714

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7

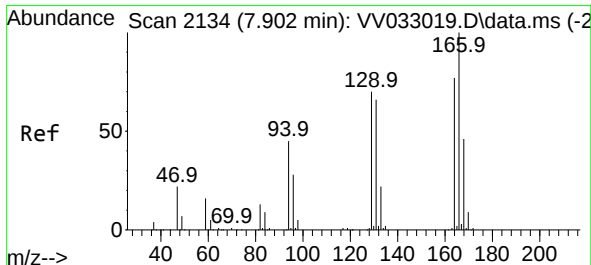
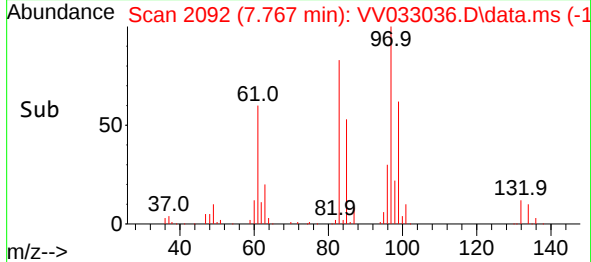
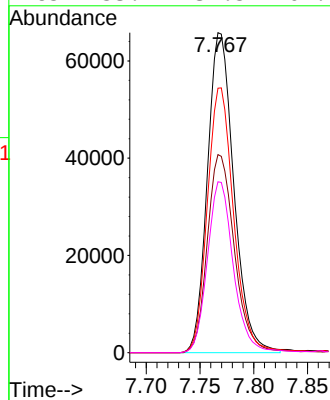
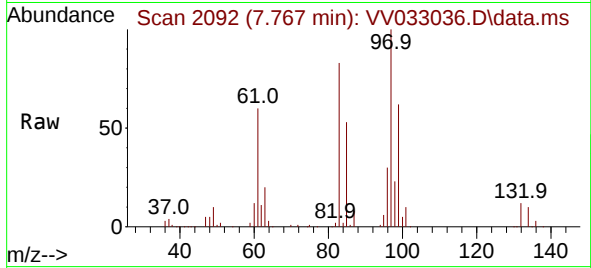




#45  
1,1,2-Trichloroethane  
Concen: 45.669 ug/L  
RT: 7.767 min Scan# 2092  
Delta R.T. -0.000 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

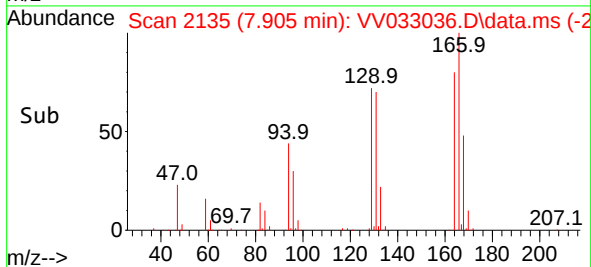
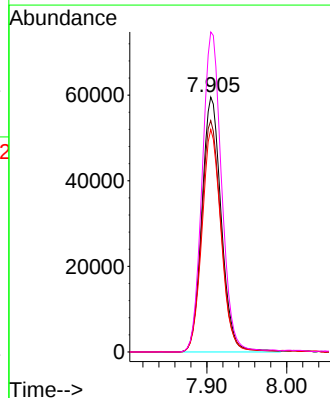
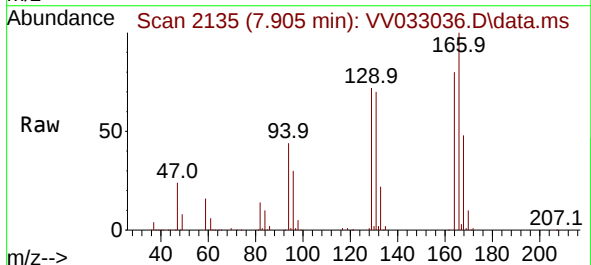
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

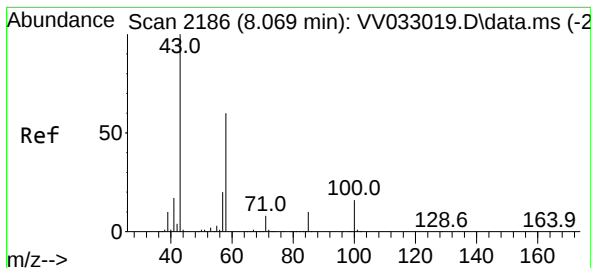
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 112645 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 61.9  | 43.5  | 80.9   |
| 83       | 82.6  | 55.6  | 103.2  |
| 85       | 53.4  | 37.5  | 69.6   |



#46  
Tetrachloroethene  
Concen: 46.021 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 100867 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 90.7  | 65.7  | 122.1  |
| 131      | 87.3  | 62.5  | 116.1  |
| 166      | 125.5 | 89.8  | 166.8  |





#48

2-Hexanone

Concen: 93.042 ug/L

RT: 8.072 min Scan# 2186

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

EY1C1MS

Tgt Ion: 43 Resp: 176341

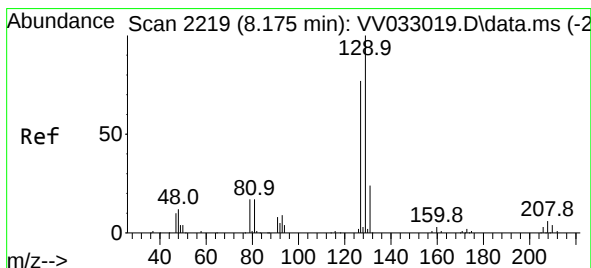
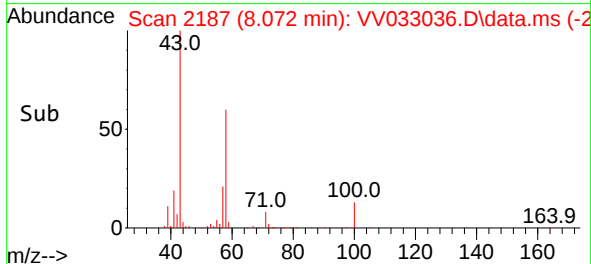
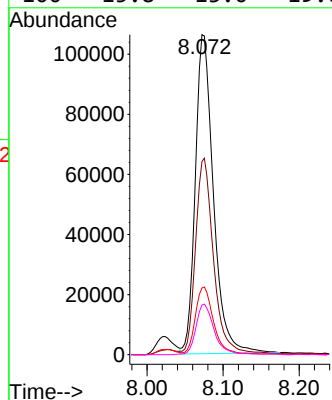
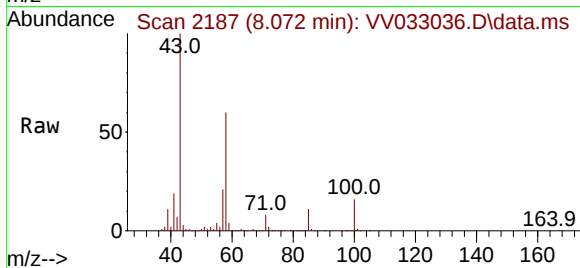
Ion Ratio Lower Upper

43 100

58 61.2 47.0 70.6

57 20.3 17.0 25.6

100 15.8 13.0 19.6



#49

Dibromochloromethane

Concen: 46.109 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV033036.D

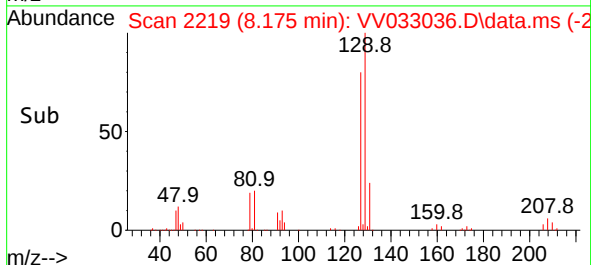
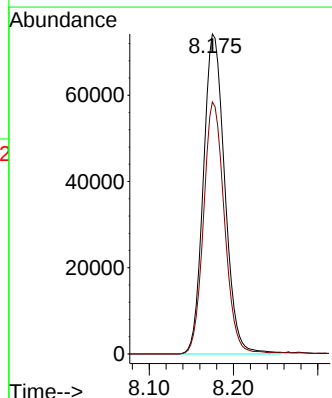
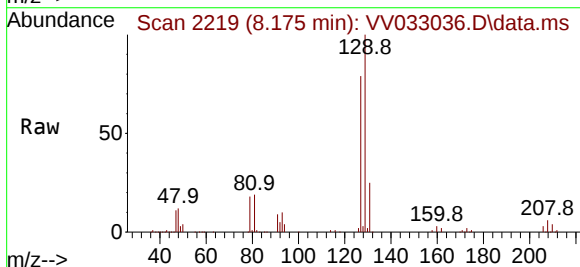
Acq: 20 Nov 2023 20:54

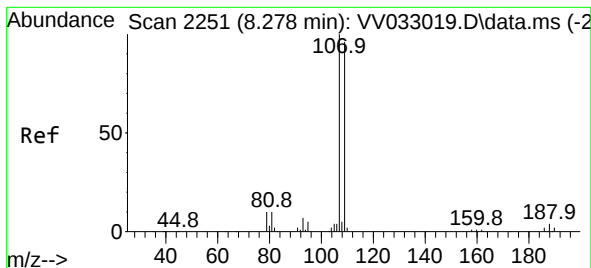
Tgt Ion: 129 Resp: 131077

Ion Ratio Lower Upper

129 100

127 78.8 54.4 101.0





#50

1,2-Dibromoethane

Concen: 47.230 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

EY1C1MS

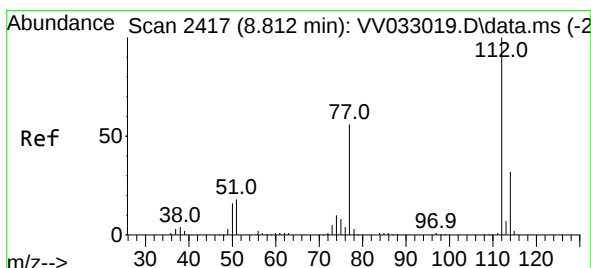
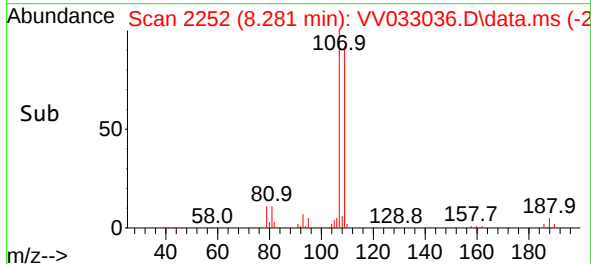
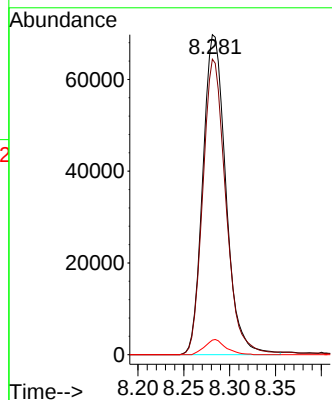
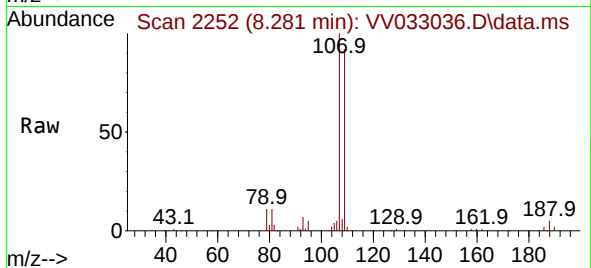
Tgt Ion:107 Resp: 122008

Ion Ratio Lower Upper

107 100

109 92.4 67.3 125.1

188 4.7 3.3 4.9



#51

Chlorobenzene

Concen: 45.146 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

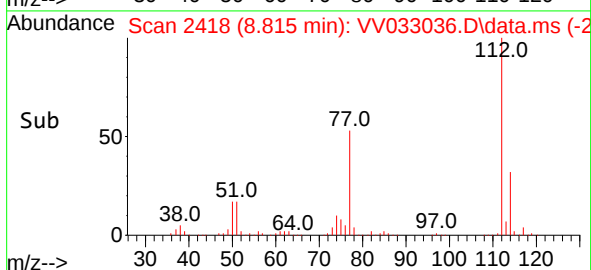
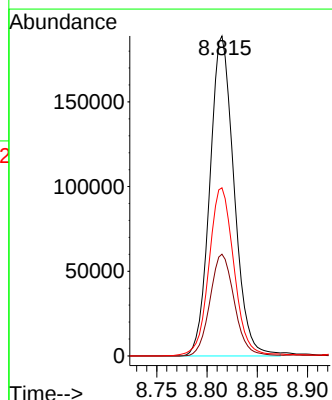
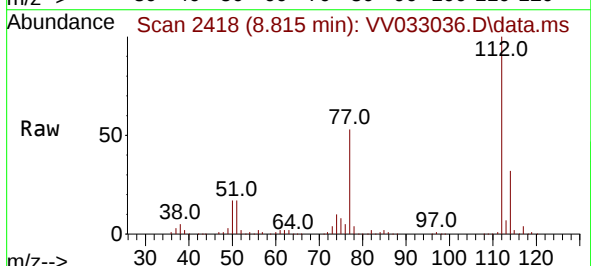
Tgt Ion:112 Resp: 316741

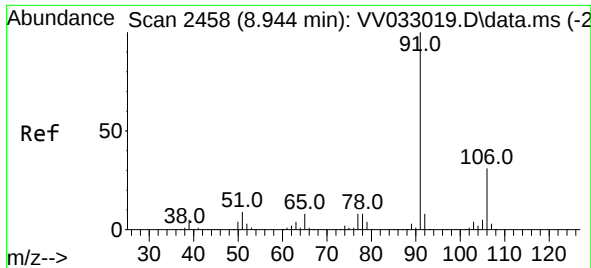
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 52.6 43.0 64.6

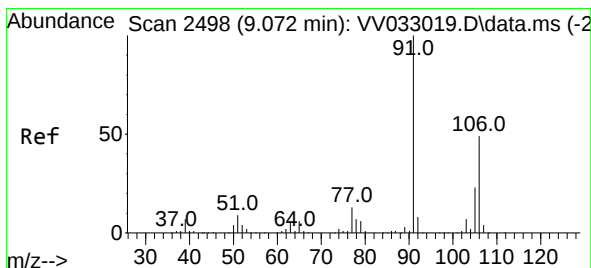
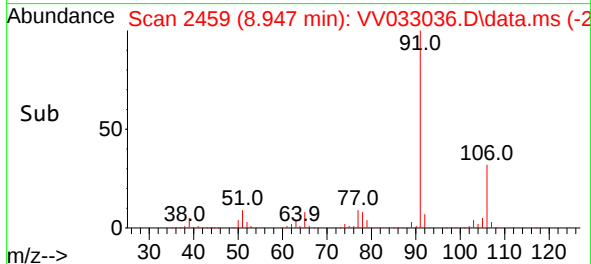
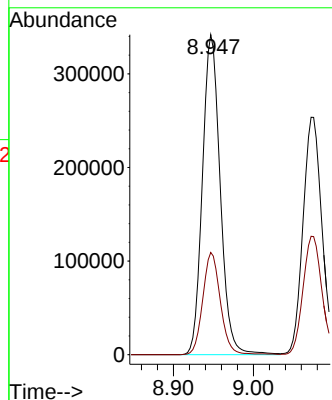
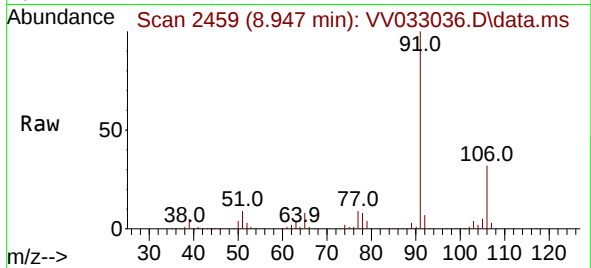




#52  
Ethylbenzene  
Concen: 46.706 ug/L  
RT: 8.947 min Scan# 2458  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

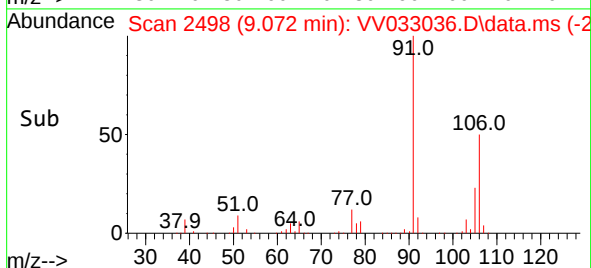
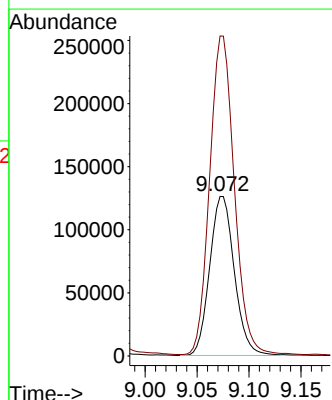
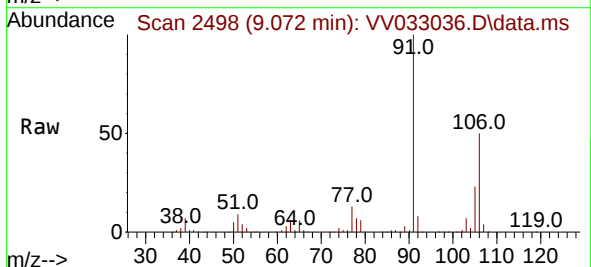
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

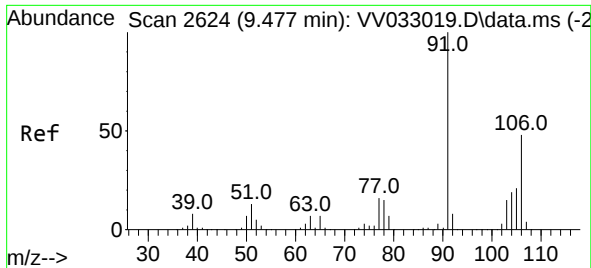
Tgt Ion: 91 Resp: 530115  
Ion Ratio Lower Upper  
91 100  
106 31.9 22.1 41.1



#53  
m,p-Xylene  
Concen: 46.576 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. -0.000 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion: 106 Resp: 207700  
Ion Ratio Lower Upper  
106 100  
91 200.5 138.6 257.4

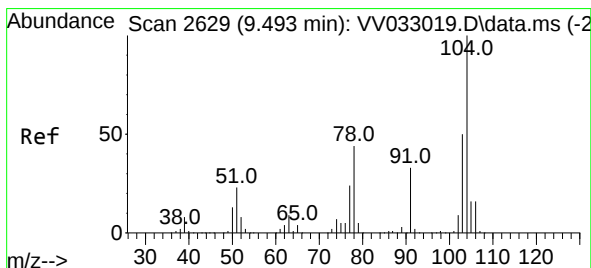
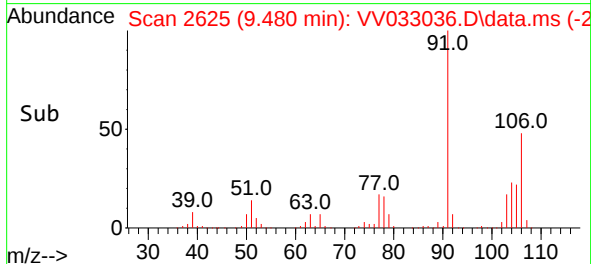
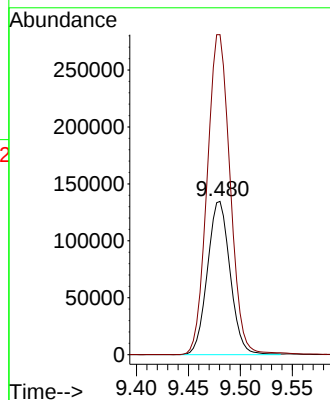
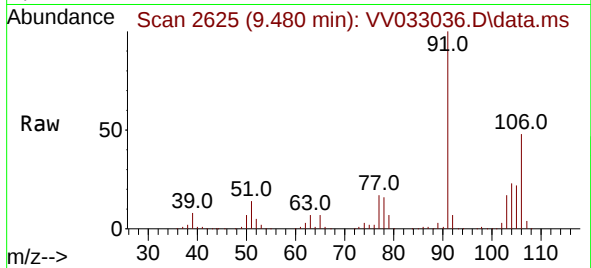




#54  
o-Xylene  
Concen: 47.673 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

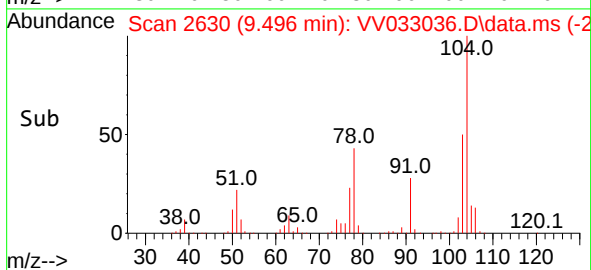
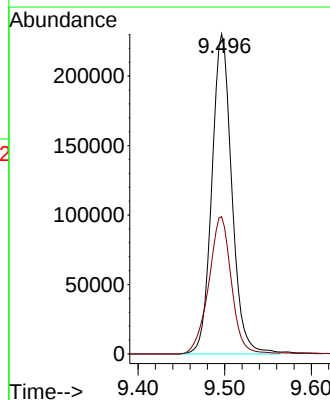
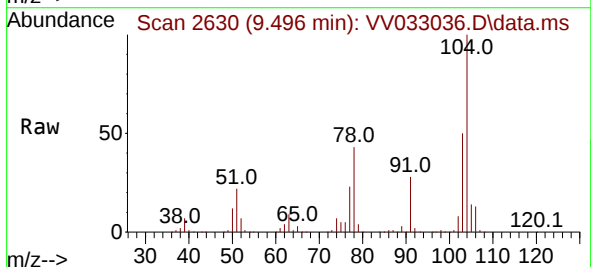
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

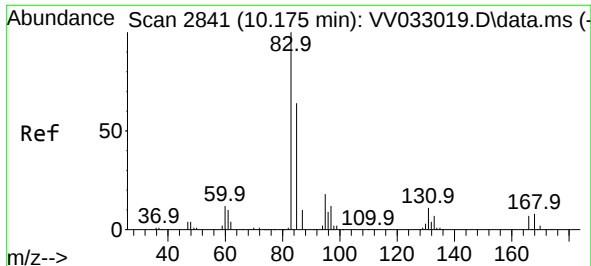
Tgt Ion:106 Resp: 204638  
Ion Ratio Lower Upper  
106 100  
91 208.7 147.3 273.5



#55  
Styrene  
Concen: 48.264 ug/L  
RT: 9.496 min Scan# 2630  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion:104 Resp: 369571  
Ion Ratio Lower Upper  
104 100  
78 42.9 30.2 56.2

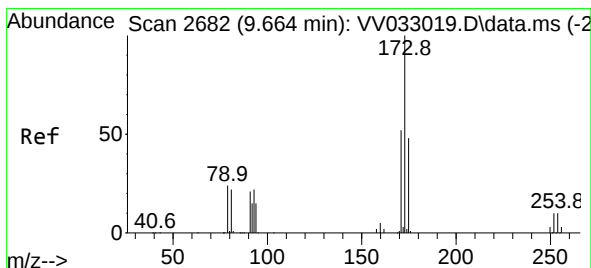
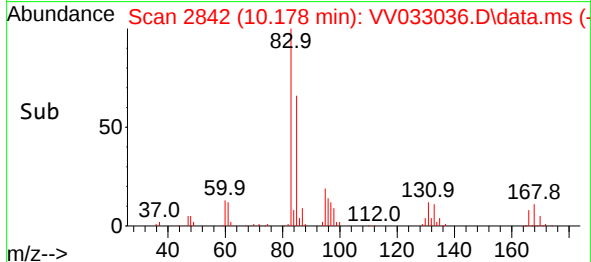
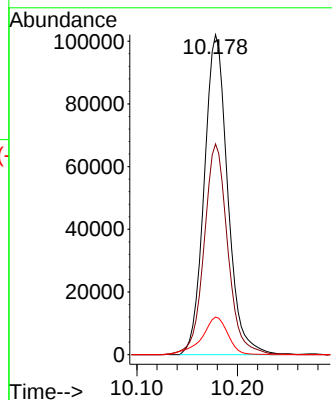
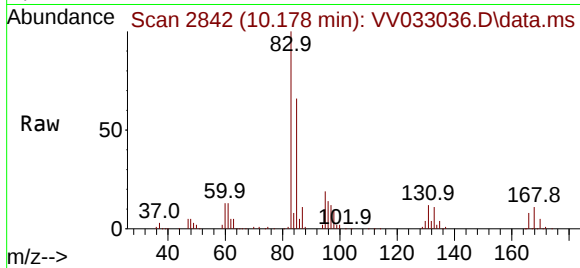




#57  
1,1,2-Tetrachloroethane  
Concen: 47.557 ug/L  
RT: 10.178 min Scan# 2841  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

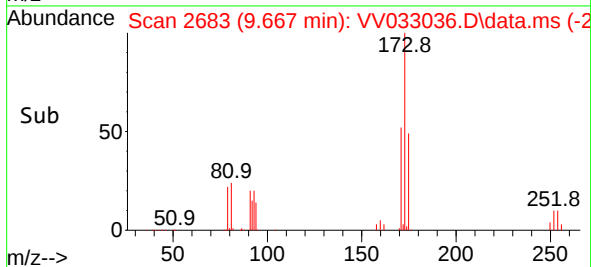
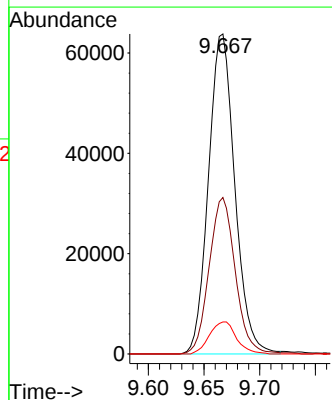
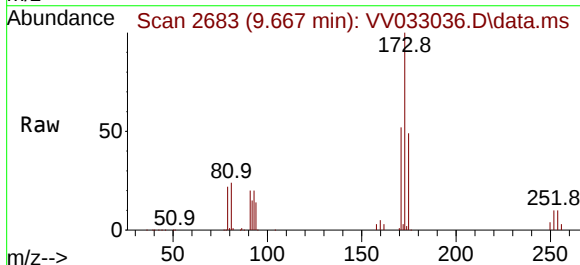
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

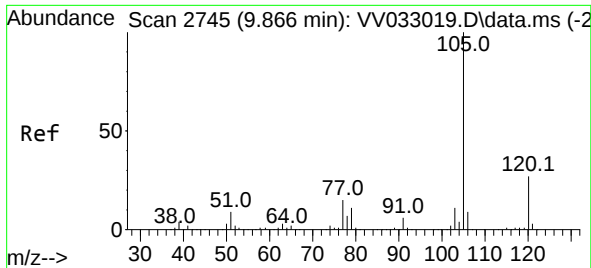
Tgt Ion: 83 Resp: 165708  
Ion Ratio Lower Upper  
83 100  
85 65.8 45.8 85.2  
131 11.8 9.4 14.0



#59  
Bromoform  
Concen: 45.714 ug/L  
RT: 9.667 min Scan# 2683  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion: 173 Resp: 105092  
Ion Ratio Lower Upper  
173 100  
175 48.4 38.7 58.1  
254 10.3 7.9 11.9

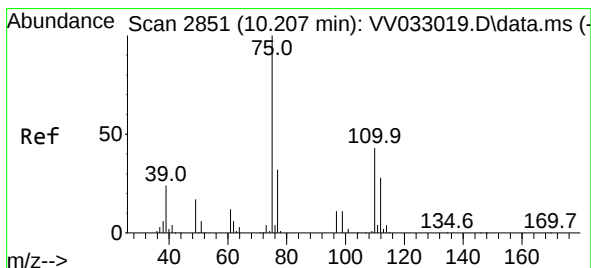
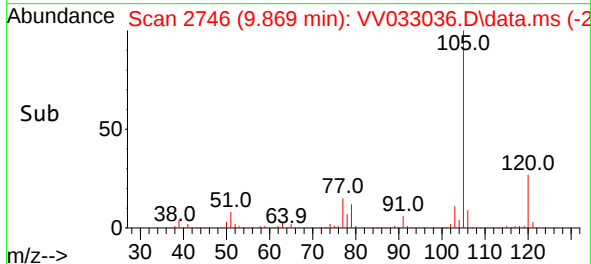
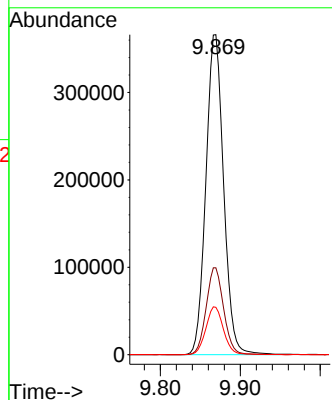
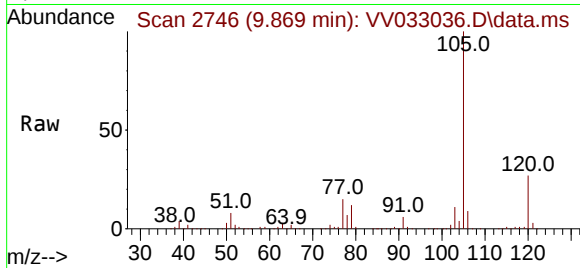




#60  
Isopropylbenzene  
Concen: 47.282 ug/L  
RT: 9.869 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

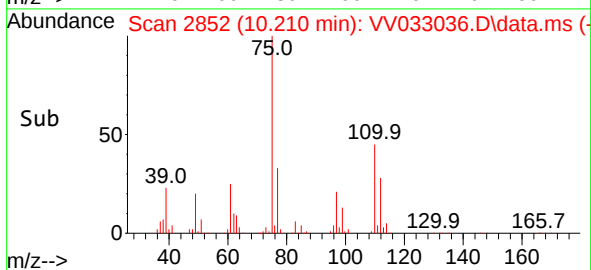
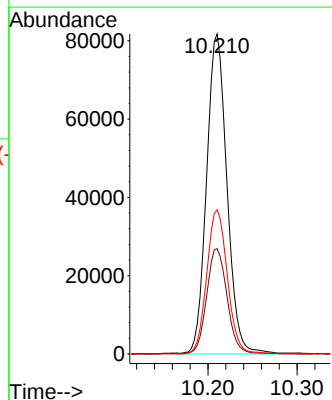
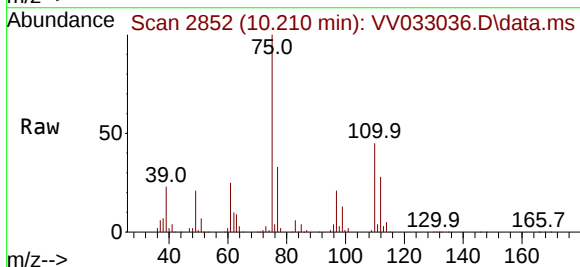
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

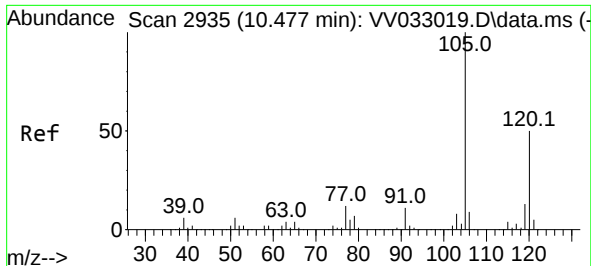
Tgt Ion:105 Resp: 565418  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.4 32.2  
77 14.8 12.2 18.2



#61  
1,2,3-Trichloropropane  
Concen: 45.668 ug/L  
RT: 10.210 min Scan# 2852  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion: 75 Resp: 129957  
Ion Ratio Lower Upper  
75 100  
77 32.9 26.2 39.2  
110 45.6 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 46.235 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

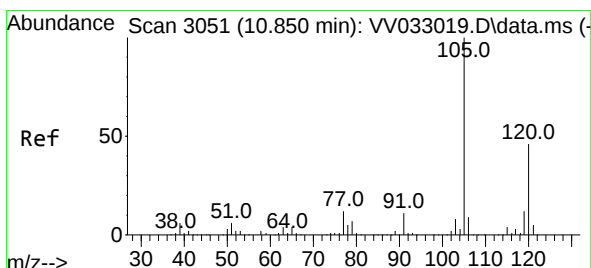
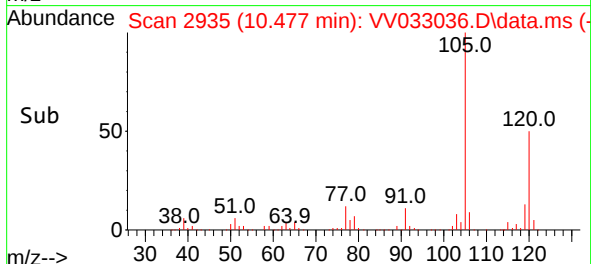
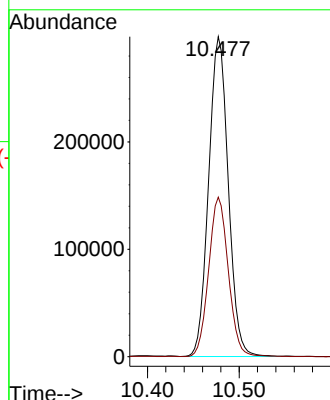
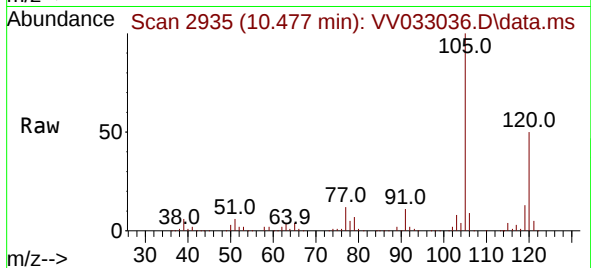
EY1C1MS

Tgt Ion:105 Resp: 443601

Ion Ratio Lower Upper

105 100

120 50.0 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 46.877 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033036.D

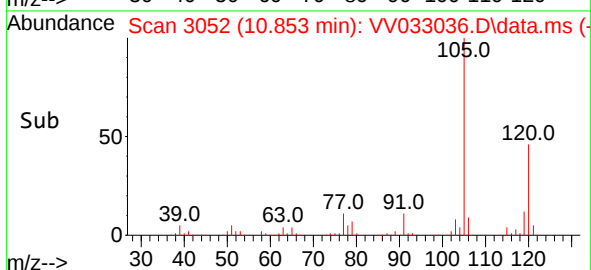
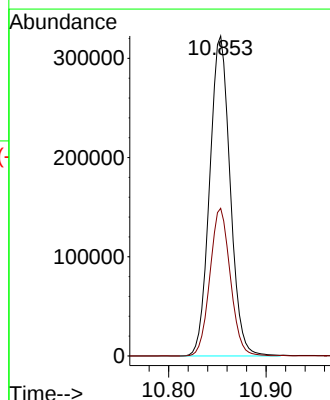
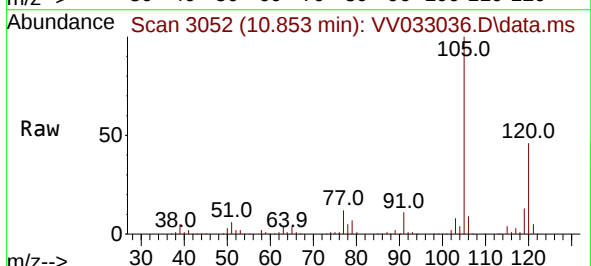
Acq: 20 Nov 2023 20:54

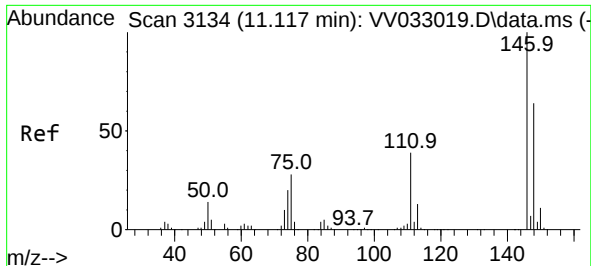
Tgt Ion:105 Resp: 471167

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1

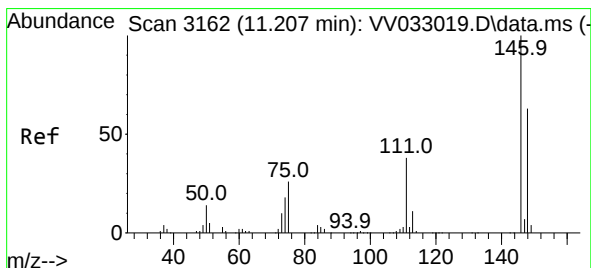
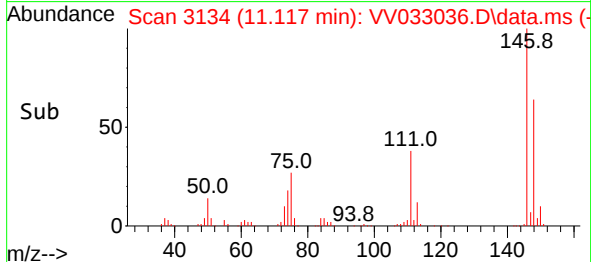
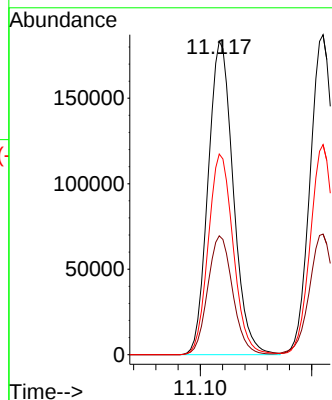
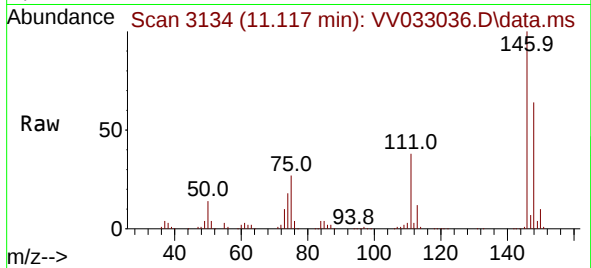




#64  
1,3-Dichlorobenzene  
Concen: 44.900 ug/L  
RT: 11.117 min Scan# 3134  
Delta R.T. -0.000 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

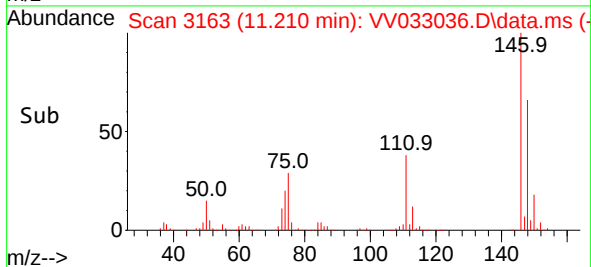
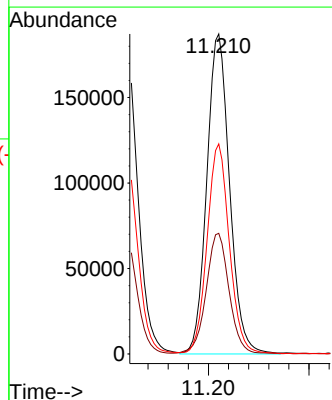
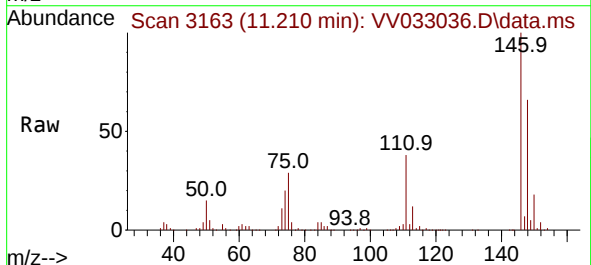
Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

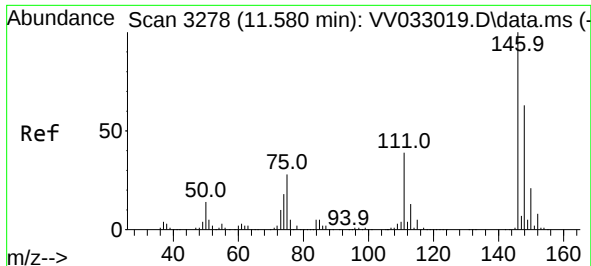
Tgt Ion:146 Resp: 287665  
Ion Ratio Lower Upper  
146 100  
111 37.9 26.5 49.1  
148 64.0 44.5 82.7



#65  
1,4-Dichlorobenzene  
Concen: 43.244 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion:146 Resp: 294497  
Ion Ratio Lower Upper  
146 100  
111 37.7 25.1 46.7  
148 65.6 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 44.593 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

EY1C1MS

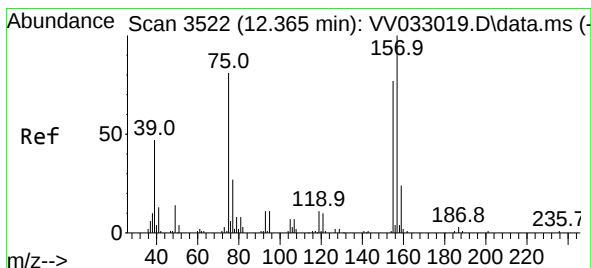
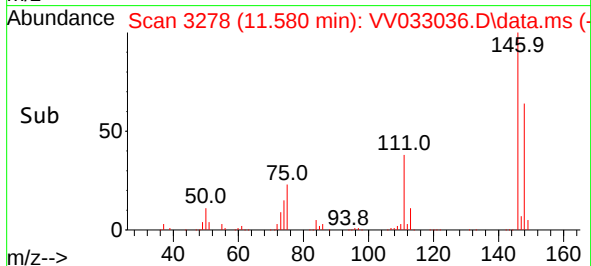
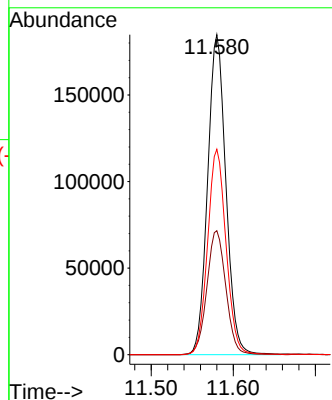
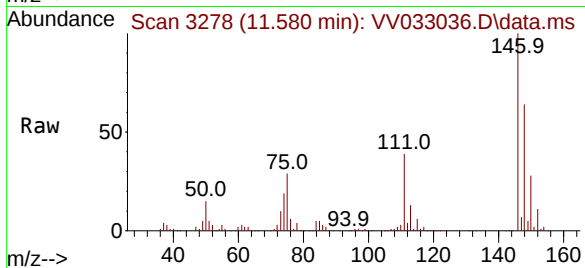
Tgt Ion:146 Resp: 286681

Ion Ratio Lower Upper

146 100

111 38.8 31.8 47.6

148 64.2 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 46.886 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

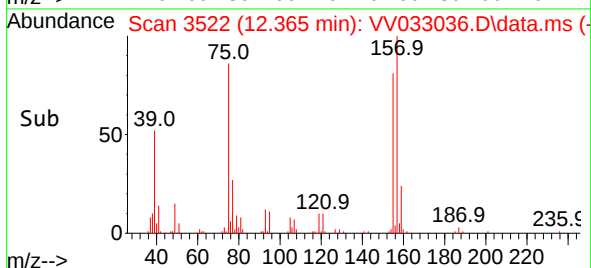
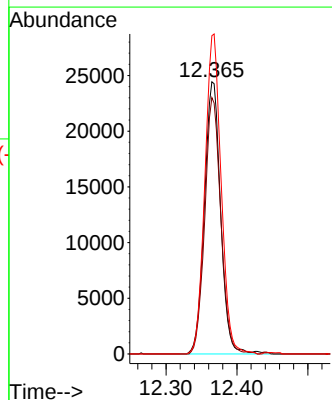
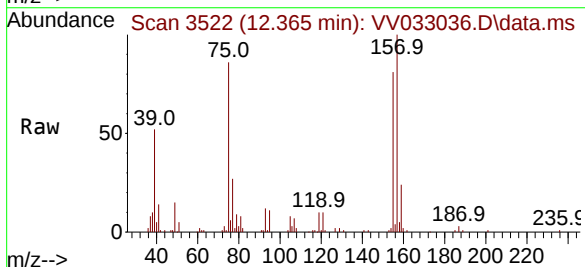
Tgt Ion: 75 Resp: 38814

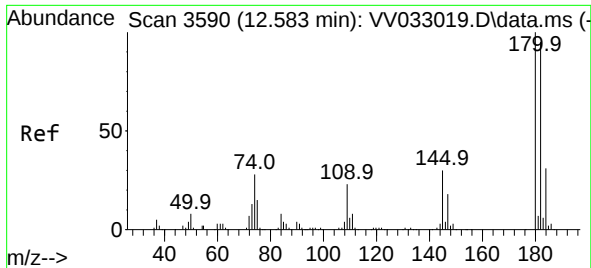
Ion Ratio Lower Upper

75 100

155 94.1 79.8 119.8

157 116.9 102.5 153.7





#69

1,3,5-Trichlorobenzene

Concen: 42.759 ug/L

RT: 12.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

Instrument :

MSVOA\_V

ClientSampleId :

EY1C1MS

Tgt Ion:180 Resp: 212982

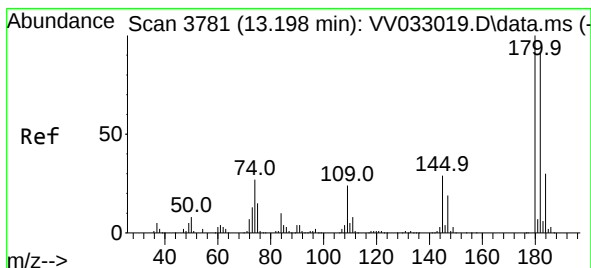
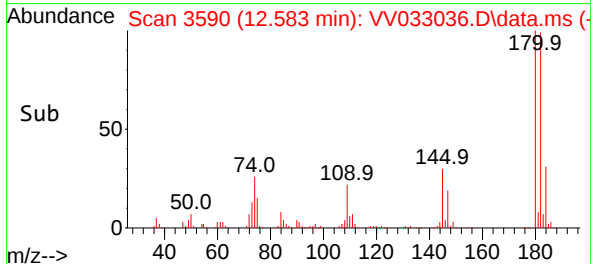
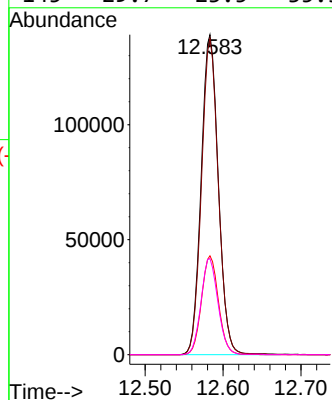
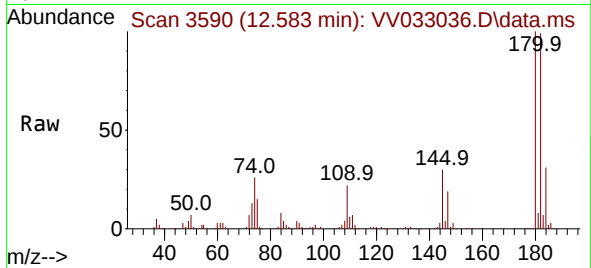
Ion Ratio Lower Upper

180 100

182 96.5 76.6 115.0

184 30.4 24.5 36.7

145 29.7 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 42.952 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033036.D

Acq: 20 Nov 2023 20:54

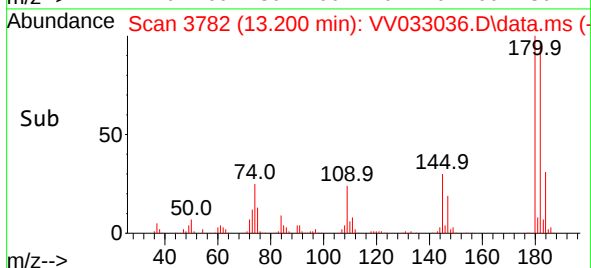
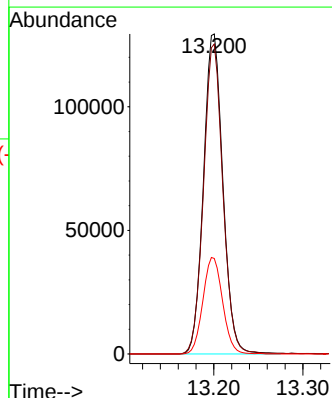
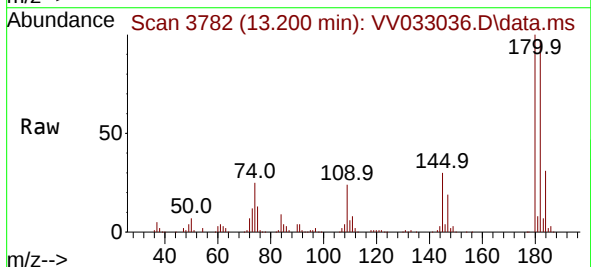
Tgt Ion:180 Resp: 196065

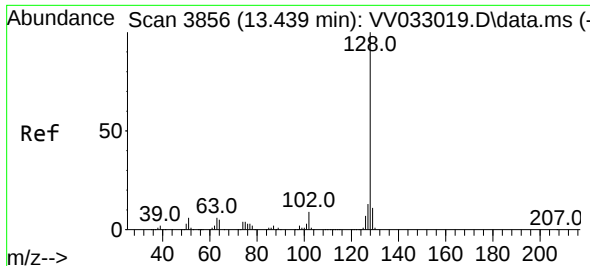
Ion Ratio Lower Upper

180 100

182 96.4 76.8 115.2

145 30.5 23.2 34.8

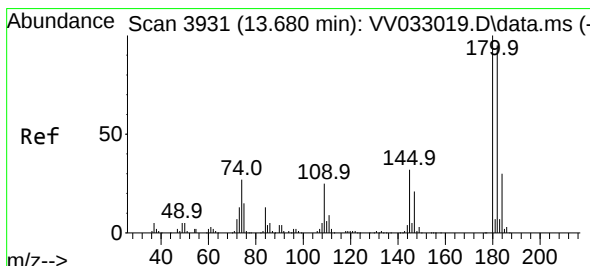
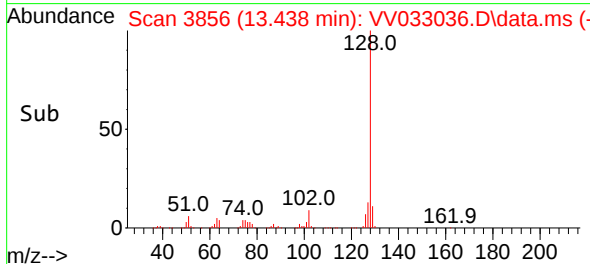
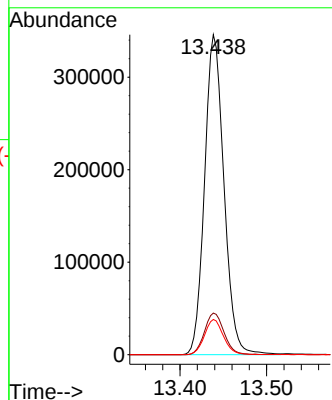
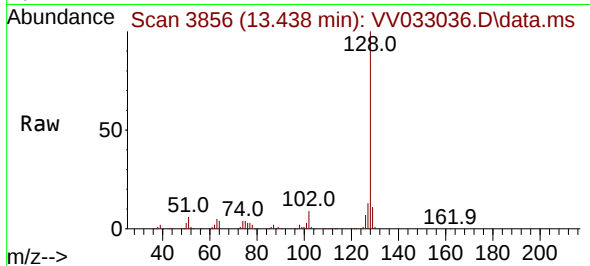




#71  
Naphthalene  
Concen: 47.640 ug/L  
RT: 13.438 min Scan# 3856  
Delta R.T. -0.000 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY1C1MS

Tgt Ion:128 Resp: 537876  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.2 15.2  
129 10.8 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 46.046 ug/L  
RT: 13.680 min Scan# 3931  
Delta R.T. -0.000 min  
Lab File: VV033036.D  
Acq: 20 Nov 2023 20:54

Tgt Ion:180 Resp: 203789  
Ion Ratio Lower Upper  
180 100  
182 94.7 76.6 114.8  
145 31.9 25.5 38.3

