

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102323\  
 Data File : VW032560.D  
 Acq On : 23 Oct 2023 10:20  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 24 04:45:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 21 02:44:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 119738   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 119324   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 59665    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 35983    | 3.695    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 74.000%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 35326    | 4.469    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 16905    | 4.116    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 82.400%  |
| 20) 2-Butanone-d5             | 3.822  | 46    | 105269   | 42.733   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.460%  |
| 24) Chloroform-d              | 4.249  | 84    | 80900    | 4.709    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65    | 39537    | 4.859    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.200%  |
| 32) Benzene-d6                | 4.960  | 84    | 141913   | 4.042    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 80.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 45921    | 3.947    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 79.000%  |
| 41) Toluene-d8                | 7.243  | 98    | 120539   | 3.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 75.000%  |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 16555    | 4.016    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.400%  |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 88834    | 45.802   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.600%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 37164    | 4.567    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 44253    | 3.997    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 80.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 62421    | 4.678    | ug/L   | 100      |
| 3) Chloromethane              | 1.214  | 50    | 62083    | 4.615    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.281  | 62    | 62903    | 4.903    | ug/L   | 98       |
| 6) Bromomethane               | 1.487  | 94    | 36007    | 4.646    | ug/L   | 98       |
| 8) Chloroethane               | 1.548  | 64    | 41011    | 5.310    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 90982    | 5.914    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101   | 56122    | 6.020    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 50741    | 5.778    | ug/L   | 90       |
| 13) Acetone                   | 2.150  | 43    | 85170    | 44.857   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.236  | 76    | 132926   | 4.330    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.388  | 43    | 19461    | 4.553    | ug/L   | 97       |
| 16) Methylene chloride        | 2.445  | 84    | 53842    | 4.703    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 107703   | 4.505    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.693  | 96    | 49063    | 4.878    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.111  | 63    | 98150    | 5.187    | ug/L   | 97       |
| 21) 2-Butanone                | 3.896  | 43    | 119076   | 40.104   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 52357    | 4.834    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.150  | 128   | 22661    | 4.973    | ug/L   | 98       |
| 25) Chloroform                | 4.275  | 83    | 99607    | 5.365    | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102323\  
 Data File : VW032560.D  
 Acq On : 23 Oct 2023 10:20  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

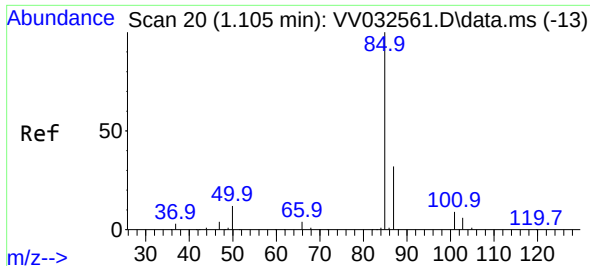
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 21 02:44:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 58088    | 5.296  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.510  | 97   | 85437    | 5.266  | ug/L  | 97       |
| 30) Cyclohexane               | 4.580  | 56   | 75328    | 4.225  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 71804    | 5.231  | ug/L  | 98       |
| 33) Benzene                   | 5.011  | 78   | 202947   | 4.831  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 52879    | 4.611  | ug/L  | 95       |
| 35) Methylcyclohexane         | 6.050  | 83   | 79818    | 4.497  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 51777    | 4.608  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 69111    | 5.177  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 72082    | 4.508  | ug/L  | 95       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 296129   | 41.650 | ug/L  | 97       |
| 42) Toluene                   | 7.317  | 91   | 219124   | 4.893  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 59296    | 4.512  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 36879    | 4.653  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.905  | 164  | 41525    | 4.775  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.079  | 43   | 223646   | 44.583 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.178  | 129  | 40118    | 4.862  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 33250    | 4.435  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.815  | 112  | 137815   | 4.780  | ug/L  | 97       |
| 52) Ethylbenzene              | 8.947  | 91   | 234964   | 4.712  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.075  | 106  | 87346    | 4.723  | ug/L  | 99       |
| 54) o-Xylene                  | 9.480  | 106  | 84035    | 4.715  | ug/L  | 99       |
| 55) Styrene                   | 9.497  | 104  | 146851   | 4.879  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 42648    | 4.890  | ug/L  | 99       |
| 59) Bromoform                 | 9.667  | 173  | 21611    | 4.981  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.870  | 105  | 228972   | 4.938  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 30015    | 4.726  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 181154   | 4.793  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 181467   | 4.823  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 106009   | 4.785  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 106408   | 4.788  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 96686    | 4.786  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 6404     | 4.936  | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 73371    | 4.523  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 58920    | 4.095  | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 93391    | 3.821  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 53264    | 4.296  | ug/L  | 99       |

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

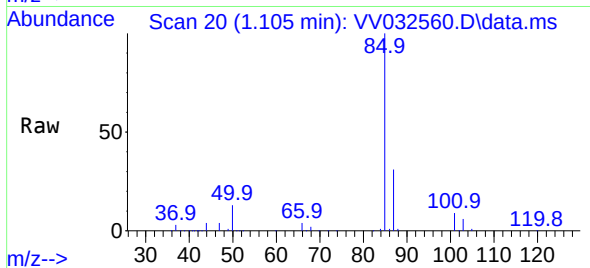
Quant Time: Oct 24 04:45:46 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Oct 21 02:44:24 2023  
Response via : Initial Calibration



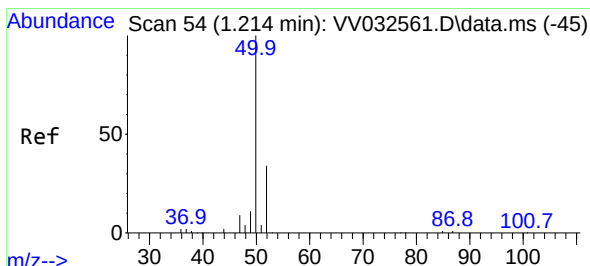
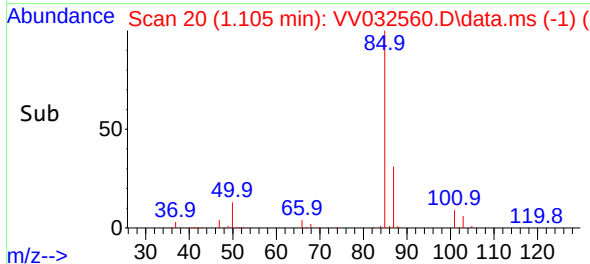
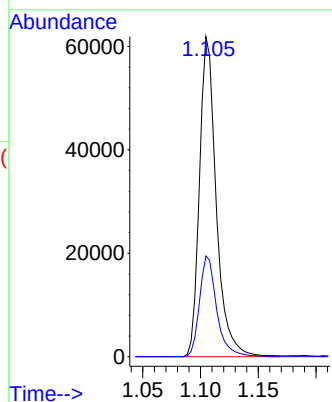


#2  
 Dichlorodifluoromethane  
 Concen: 4.678 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

Instrument :  
 MSVOA\_V  
 ClientSampleId :

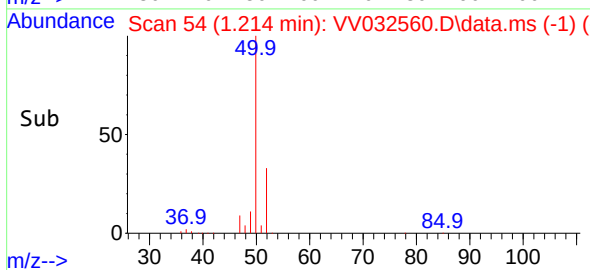
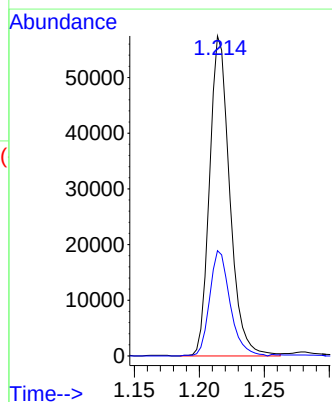
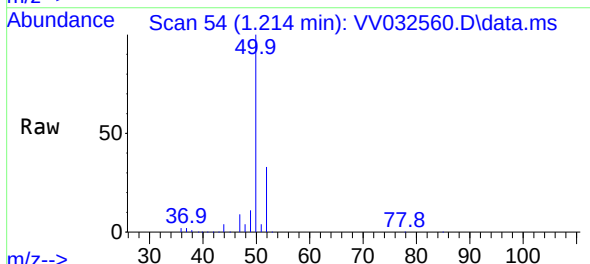


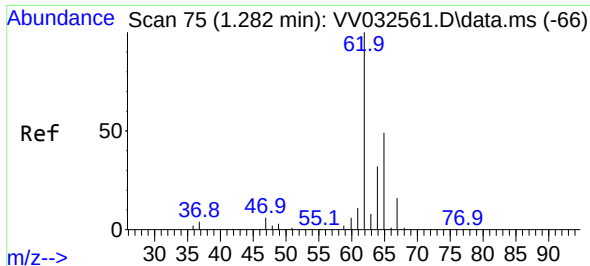
Tgt Ion: 85 Resp: 62421  
 Ion Ratio Lower Upper  
 85 100  
 87 32.1 25.5 38.3



#3  
 Chloromethane  
 Concen: 4.615 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. -0.003 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

Tgt Ion: 50 Resp: 62083  
 Ion Ratio Lower Upper  
 50 100  
 52 32.9 23.0 42.6

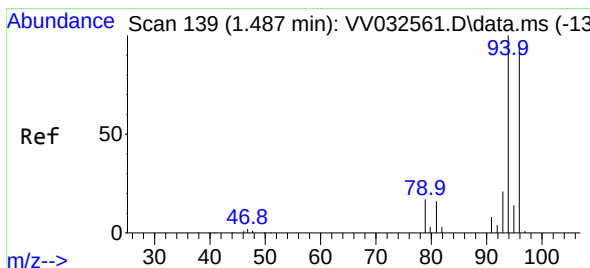
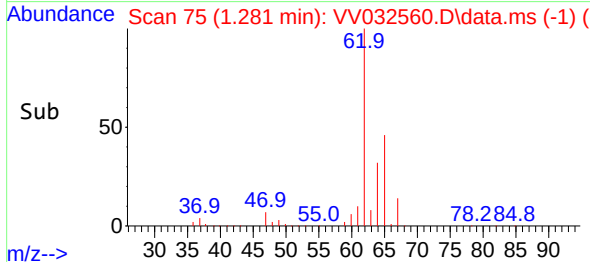
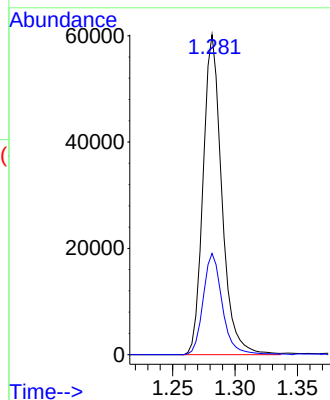
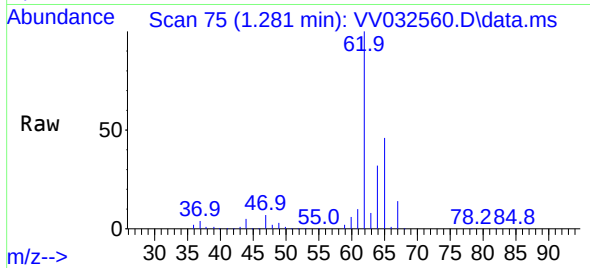




#5  
 Vinyl chloride  
 Concen: 4.903 ug/L  
 RT: 1.281 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

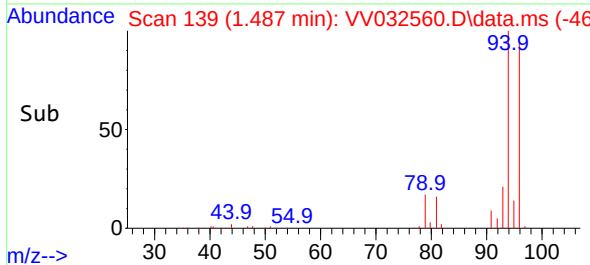
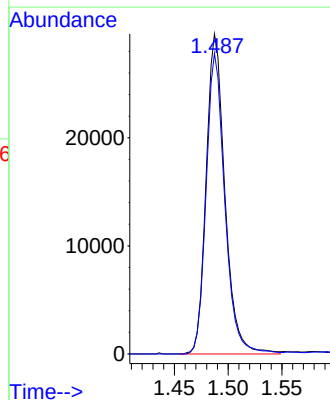
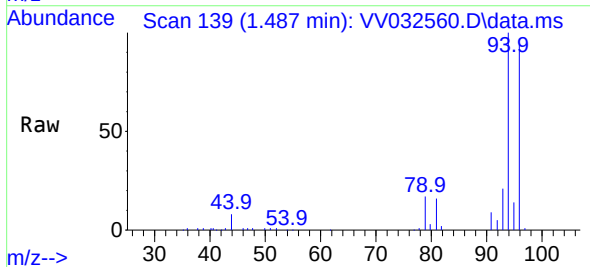
Instrument :  
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 ClientSampleId :

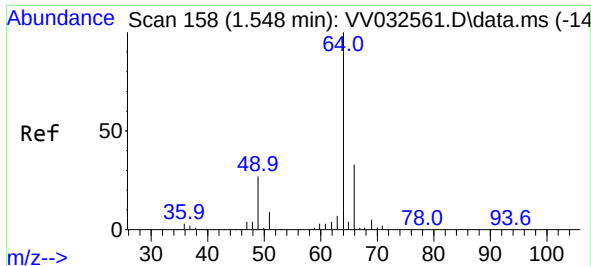
Tgt Ion: 62 Resp: 62903  
 Ion Ratio Lower Upper  
 62 100  
 64 31.7 23.1 42.9



#6  
 Bromomethane  
 Concen: 4.646 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. 0.000 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

Tgt Ion: 94 Resp: 36007  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 66.8 124.2

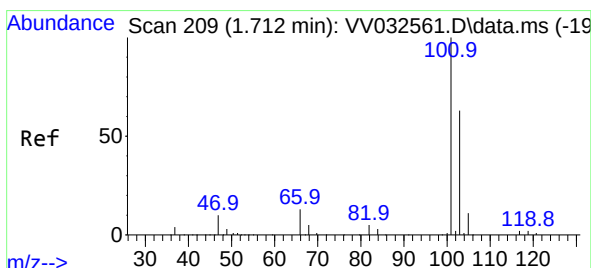
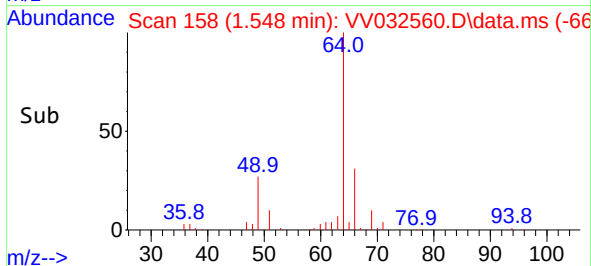
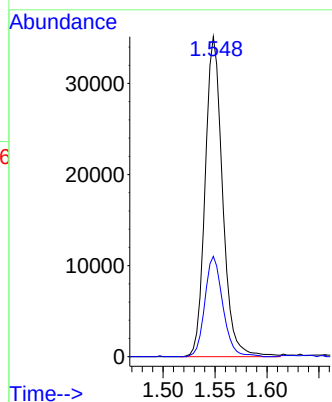
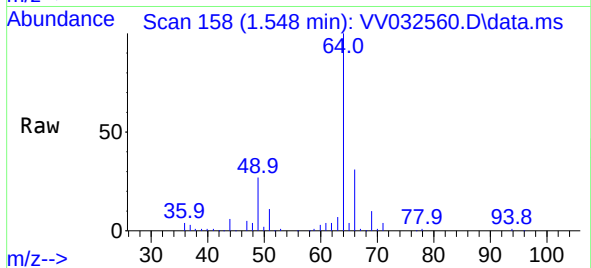




#8  
Chloroethane  
Concen: 5.310 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

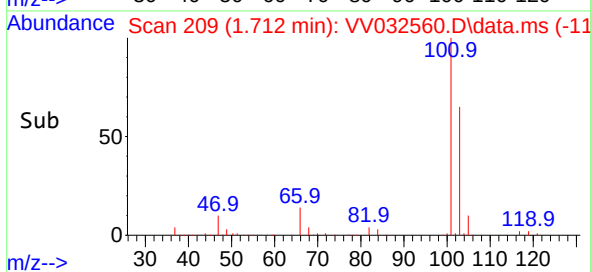
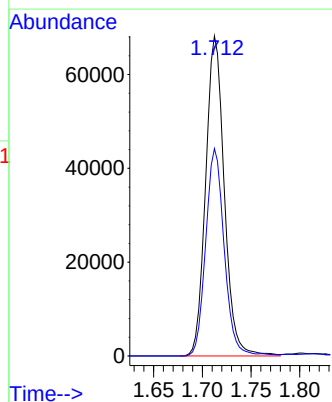
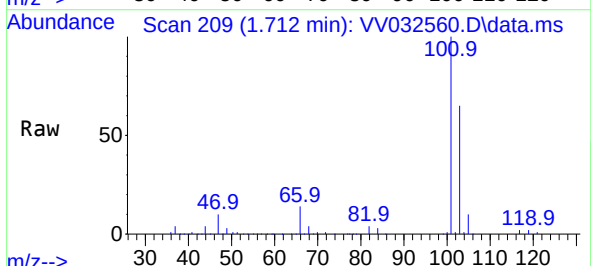
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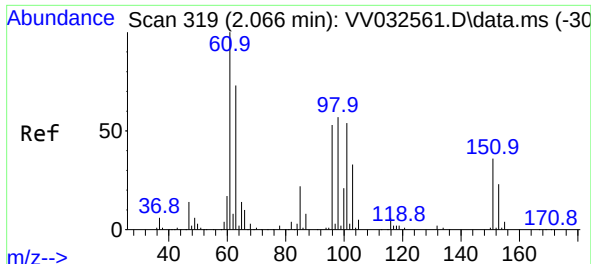
Tgt Ion: 64 Resp: 41011  
Ion Ratio Lower Upper  
64 100  
66 31.3 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 5.914 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion:101 Resp: 90982  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.4 77.2

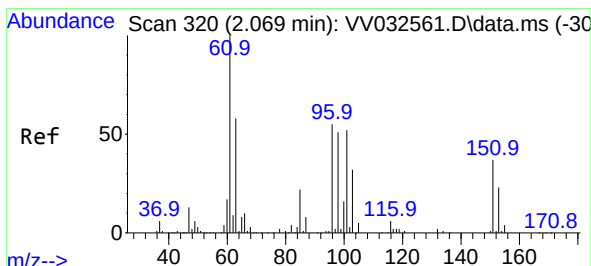
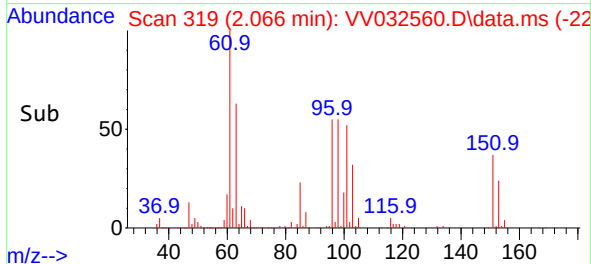
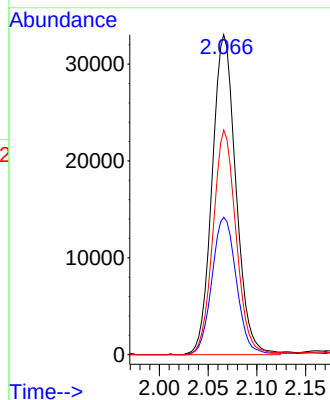
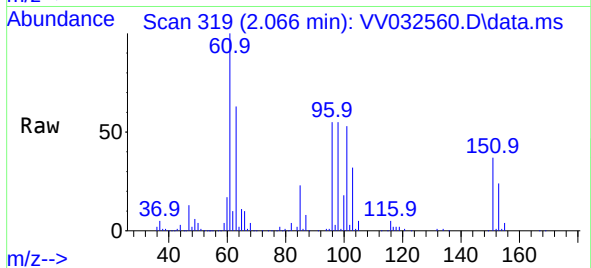




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 6.020 ug/L  
 RT: 2.066 min Scan# 319  
 Delta R.T. -0.003 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

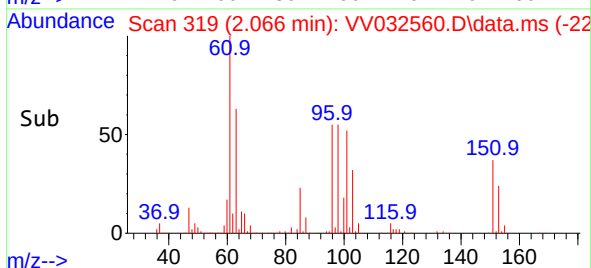
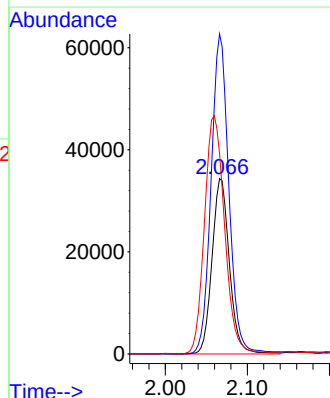
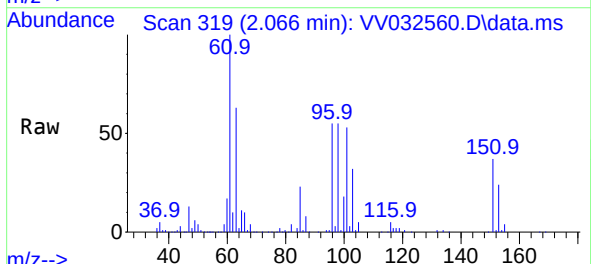
Instrument :  
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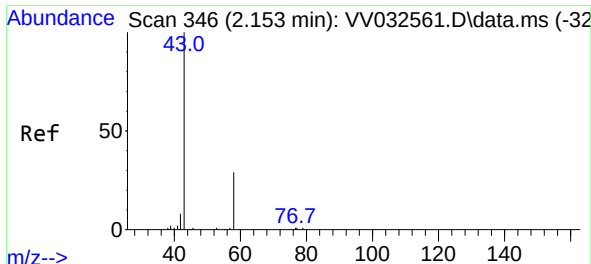
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 Ion Ratio Lower Upper  
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 151 68.2 56.6 84.8



#12  
 1,1-Dichloroethene  
 Concen: 5.778 ug/L  
 RT: 2.066 min Scan# 319  
 Delta R.T. -0.003 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

Tgt Ion: 96 Resp: 50741  
 Ion Ratio Lower Upper  
 96 100  
 61 182.4 127.3 236.3  
 63 114.2 98.3 182.7





#13

Acetone

Concen: 44.857 ug/L

RT: 2.150 min Scan# 34

Delta R.T. 0.006 min

Lab File: VV032560.D

Acq: 23 Oct 2023 10:20

Instrument :

MSVOA\_V

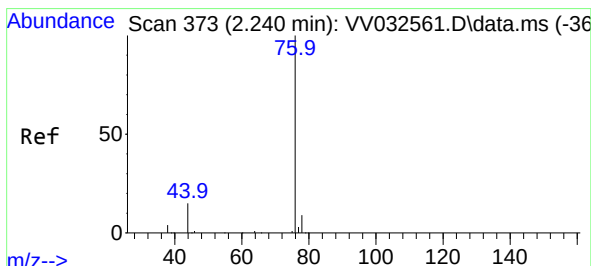
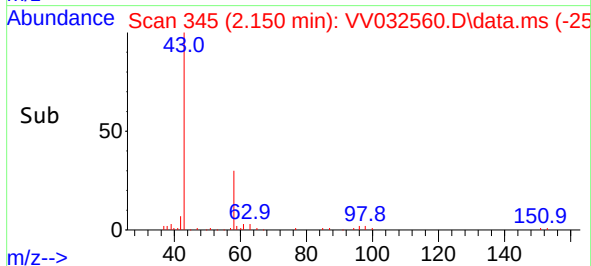
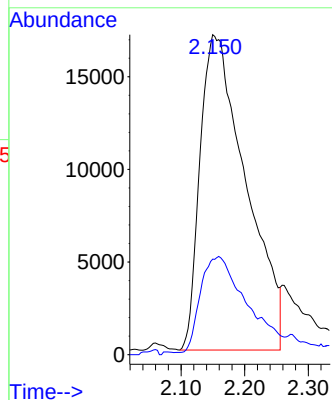
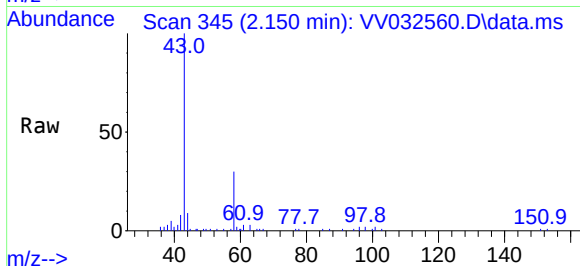
ClientSampleId :

Tgt Ion: 43 Resp: 85170

Ion Ratio Lower Upper

43 100

58 30.8 0.0 66.0



#14

Carbon disulfide

Concen: 4.330 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.006 min

Lab File: VV032560.D

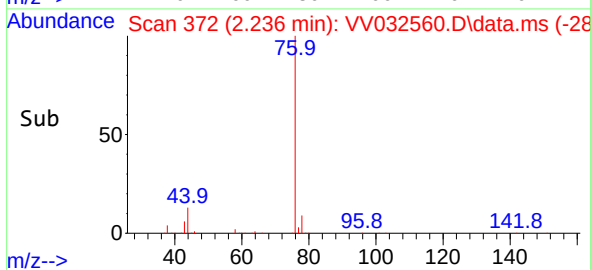
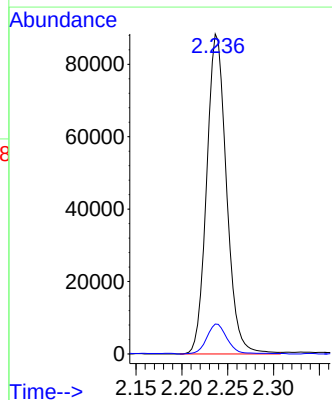
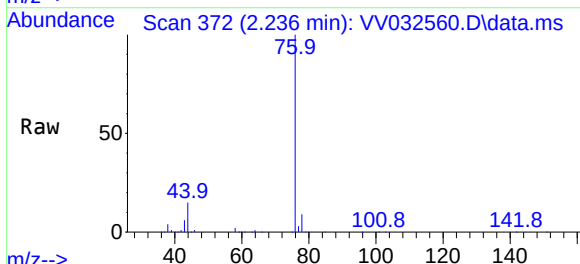
Acq: 23 Oct 2023 10:20

Tgt Ion: 76 Resp: 132926

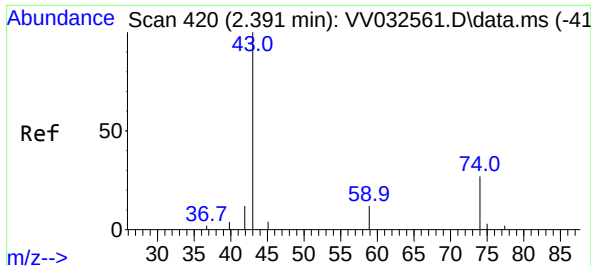
Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



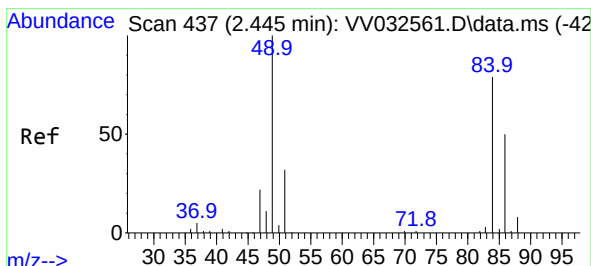
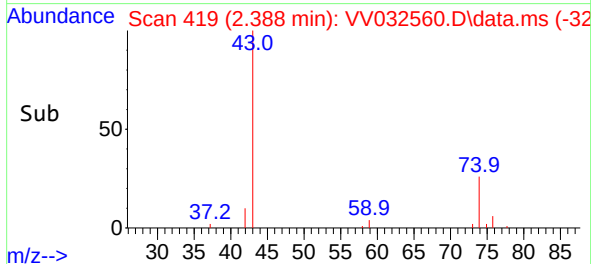
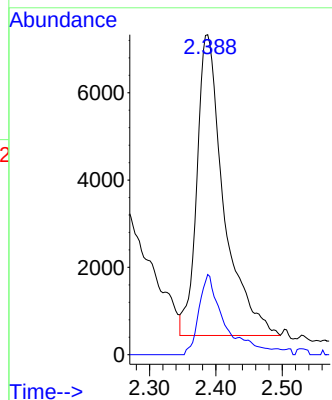
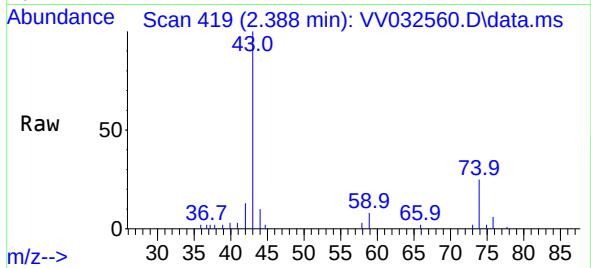




#15  
Methyl Acetate  
Concen: 4.553 ug/L  
RT: 2.388 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

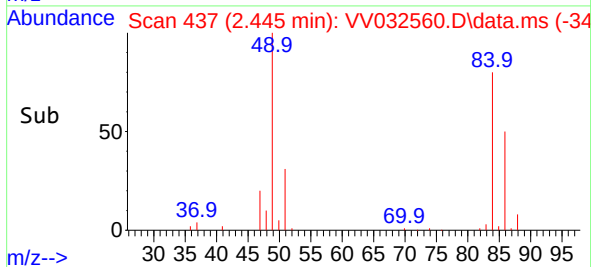
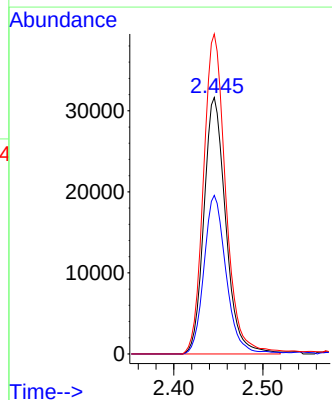
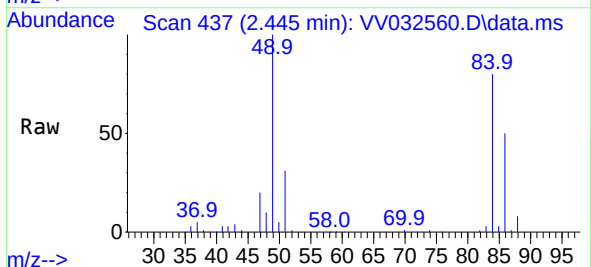
Instrument :  
MSVOA\_V  
ClientSampleId :

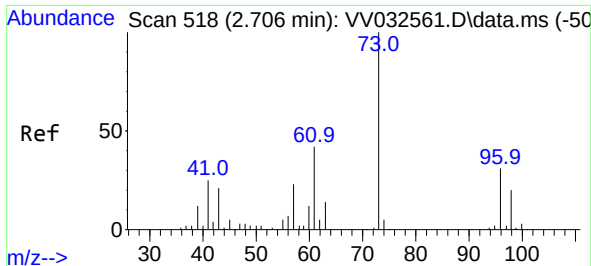
Tgt Ion: 43 Resp: 19461  
Ion Ratio Lower Upper  
43 100  
74 21.1 18.0 27.0



#16  
Methylene chloride  
Concen: 4.703 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

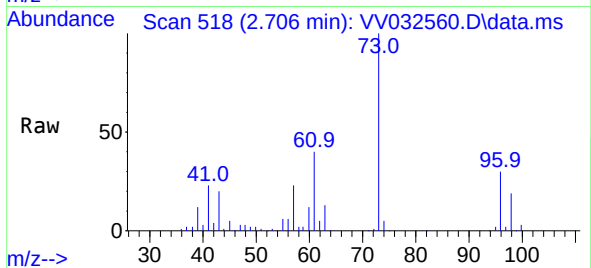
Tgt Ion: 84 Resp: 53842  
Ion Ratio Lower Upper  
84 100  
86 61.8 43.2 80.2  
49 124.7 86.3 160.3



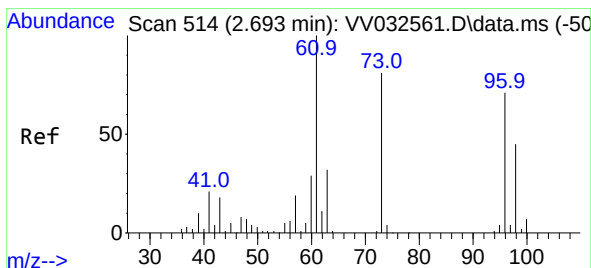
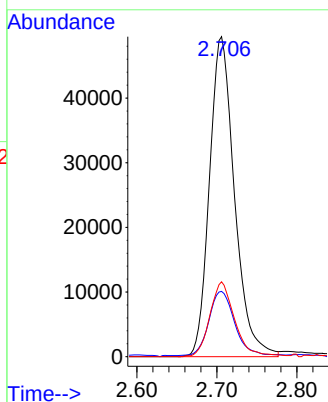
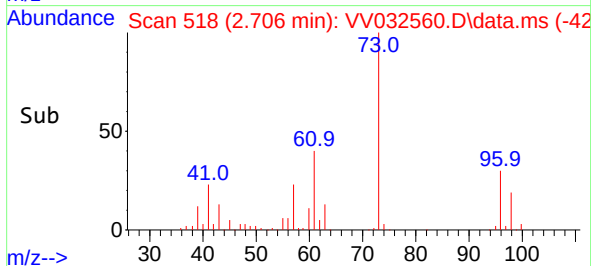


#17  
Methyl tert-butyl Ether  
Concen: 4.505 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

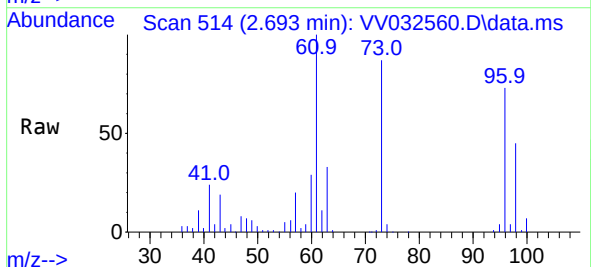
Instrument :  
MSVOA\_V  
ClientSampleId :



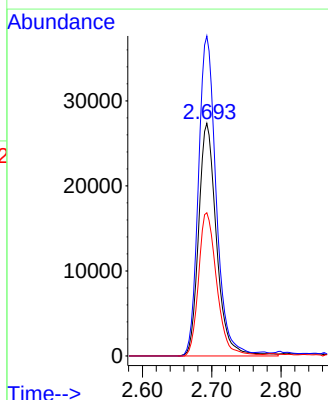
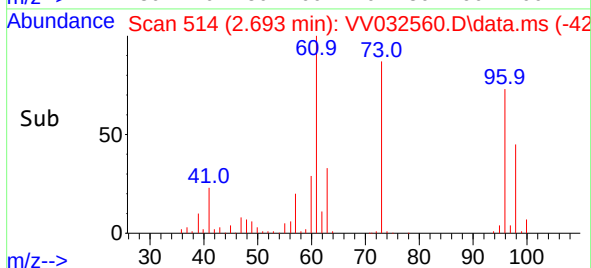
Tgt Ion: 73 Resp: 107703  
Ion Ratio Lower Upper  
73 100  
43 20.9 15.1 22.7  
57 23.2 18.3 27.5

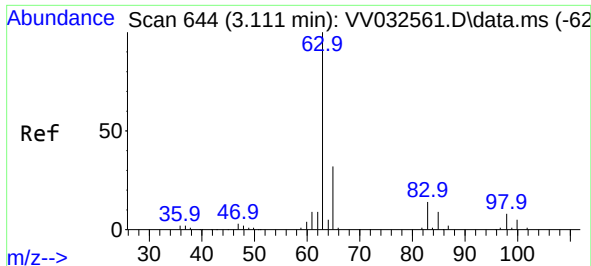


#18  
trans-1,2-Dichloroethene  
Concen: 4.878 ug/L  
RT: 2.693 min Scan# 514  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20



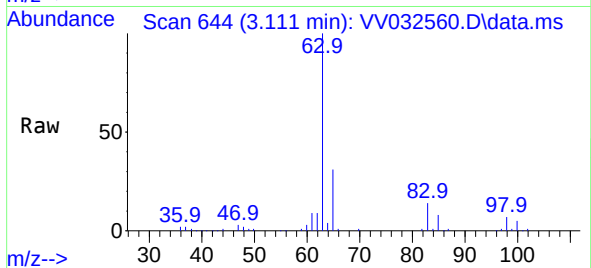
Tgt Ion: 96 Resp: 49063  
Ion Ratio Lower Upper  
96 100  
61 137.6 96.9 180.1  
98 61.6 45.3 84.1



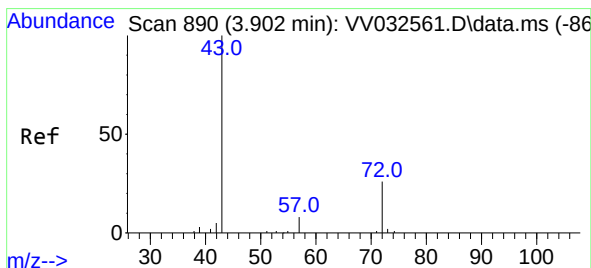
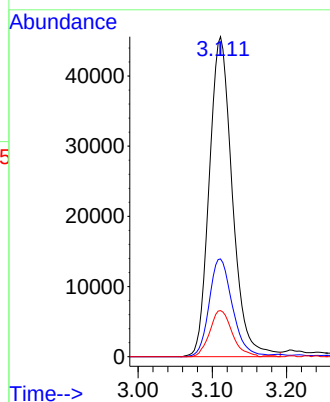
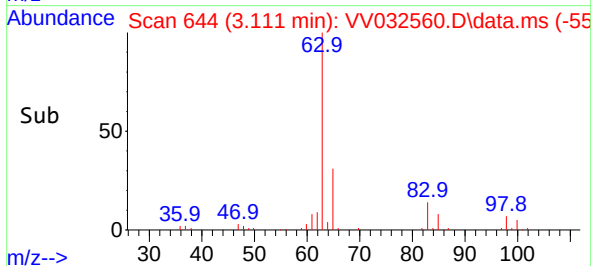


#19  
1,1-Dichloroethane  
Concen: 5.187 ug/L  
RT: 3.111 min Scan# 644  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Instrument :  
MSVOA\_V  
ClientSampleId :

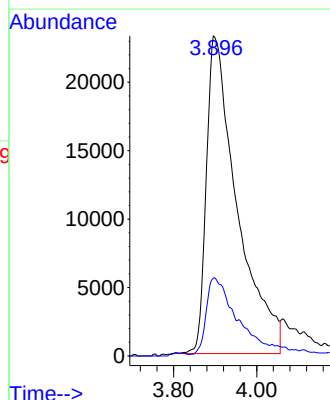
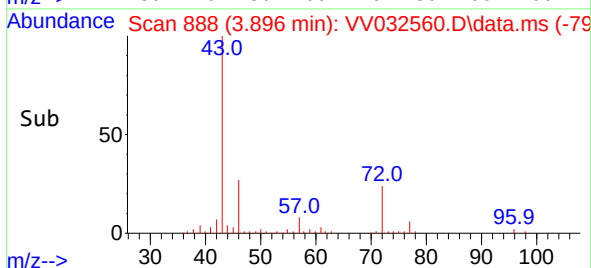
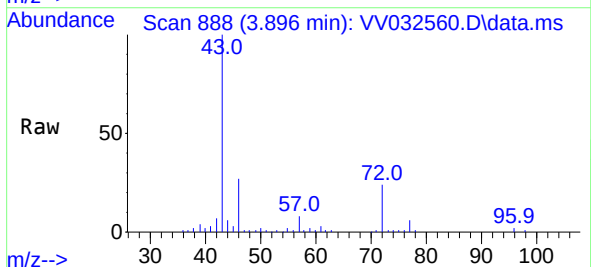


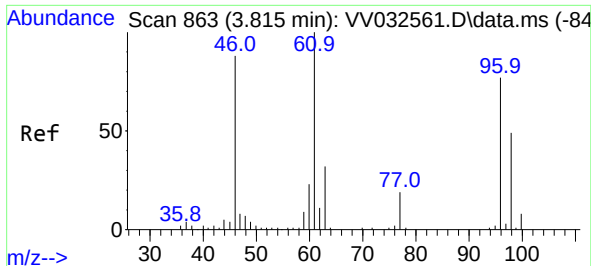
Tgt Ion: 63 Resp: 98150  
Ion Ratio Lower Upper  
63 100  
65 30.6 22.3 41.5  
83 14.4 9.0 16.6



#21  
2-Butanone  
Concen: 40.104 ug/L  
RT: 3.896 min Scan# 888  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

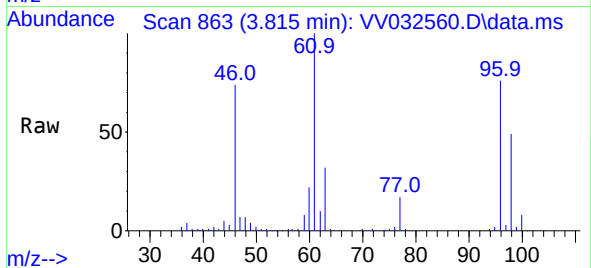
Tgt Ion: 43 Resp: 119076  
Ion Ratio Lower Upper  
43 100  
72 23.5 11.6 34.8





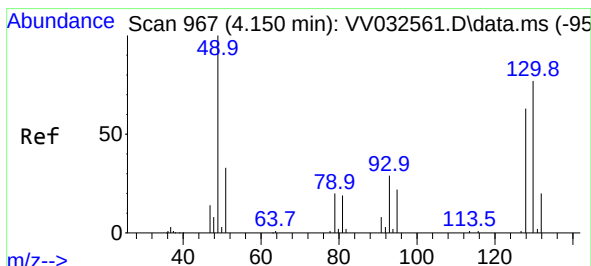
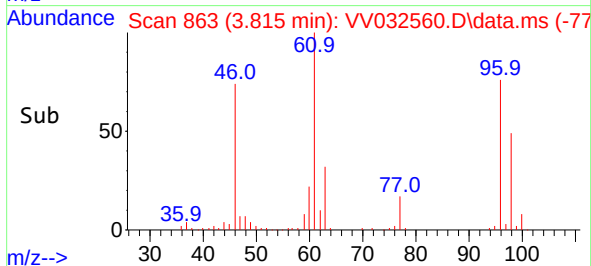
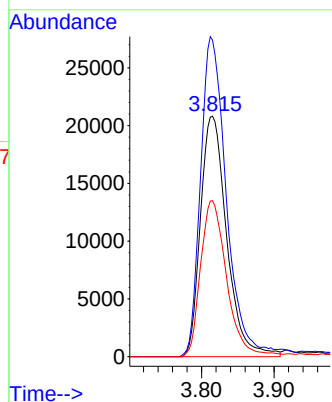
#22  
 cis-1,2-Dichloroethene  
 Concen: 4.834 ug/L  
 RT: 3.815 min Scan# 863  
 Delta R.T. -0.003 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 52357

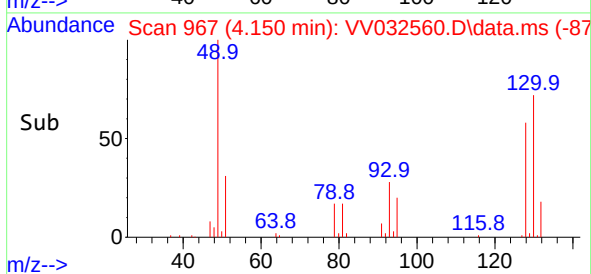
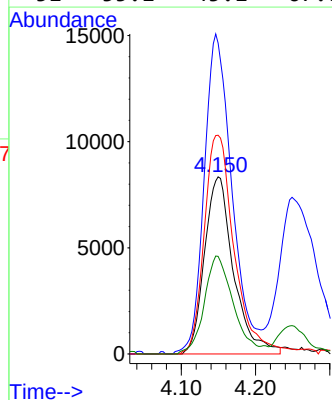
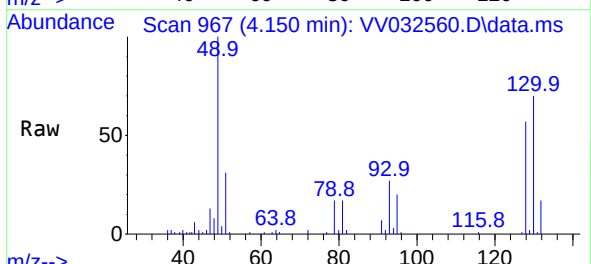
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.7 | 85.8  | 159.4 |
| 98  | 64.9  | 44.0  | 81.6  |

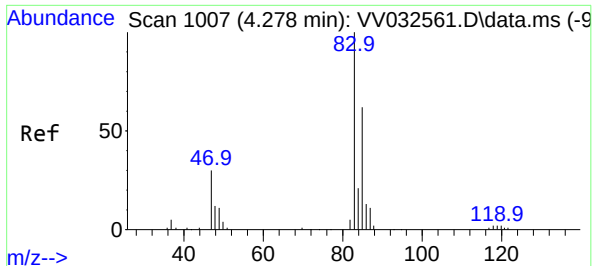


#23  
 Bromochloromethane  
 Concen: 4.973 ug/L  
 RT: 4.150 min Scan# 967  
 Delta R.T. -0.003 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

Tgt Ion: 128 Resp: 22661

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 175.6 | 121.2 | 225.0 |
| 130 | 123.6 | 88.2  | 163.8 |
| 51  | 55.1  | 45.1  | 67.7  |





#25

Chloroform

Concen: 5.365 ug/L

RT: 4.275 min Scan# 1007

Delta R.T. -0.006 min

Lab File: VV032560.D

Acq: 23 Oct 2023 10:20

Instrument :

MSVOA\_V

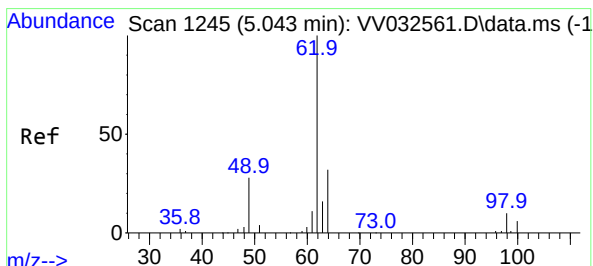
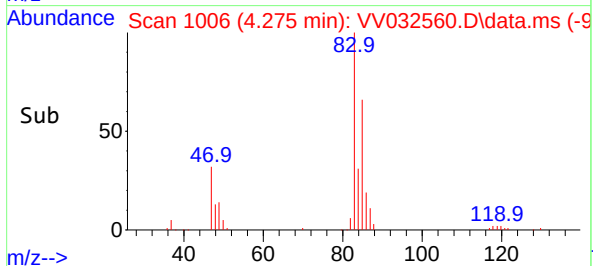
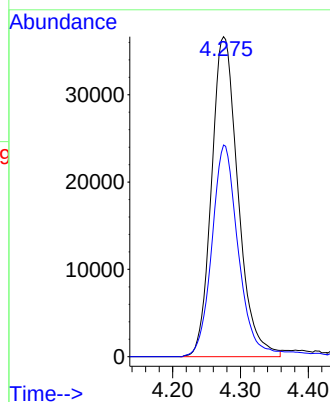
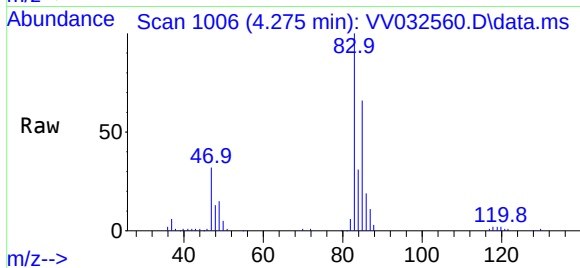
ClientSampleId :

Tgt Ion: 83 Resp: 99607

Ion Ratio Lower Upper

83 100

85 66.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.296 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VV032560.D

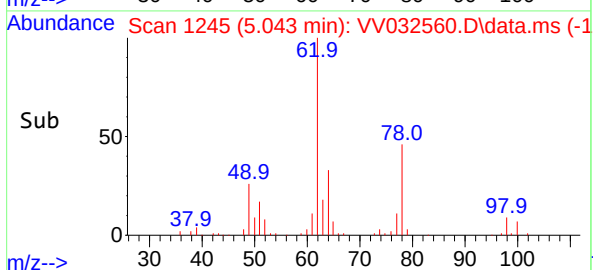
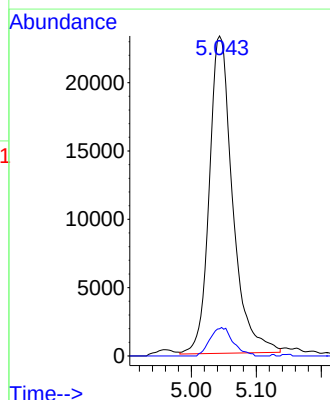
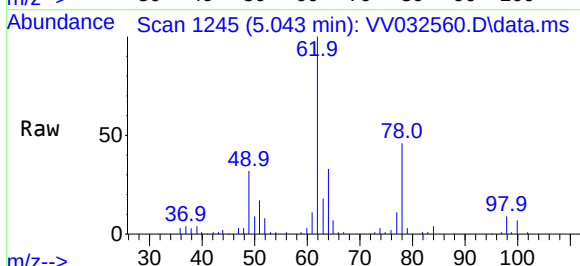
Acq: 23 Oct 2023 10:20

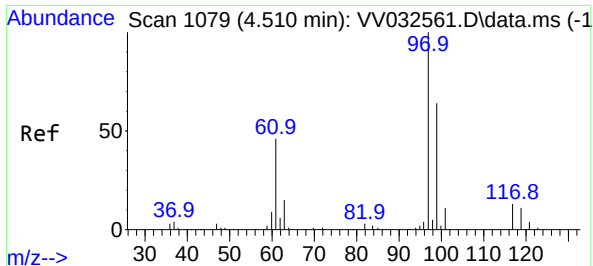
Tgt Ion: 62 Resp: 58088

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.8

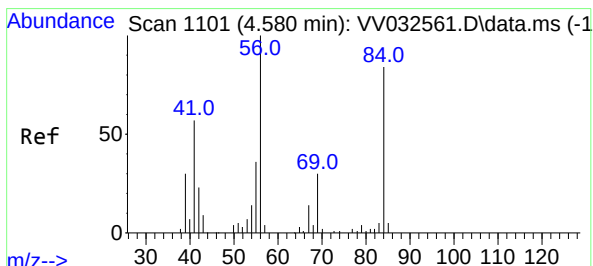
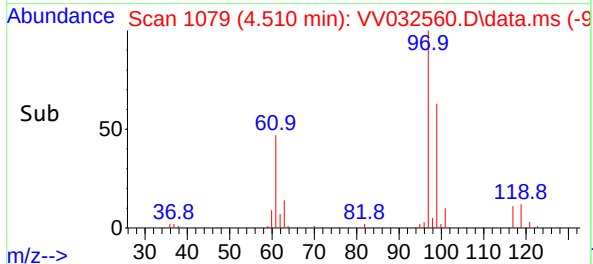
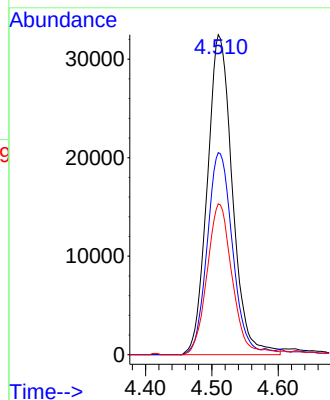
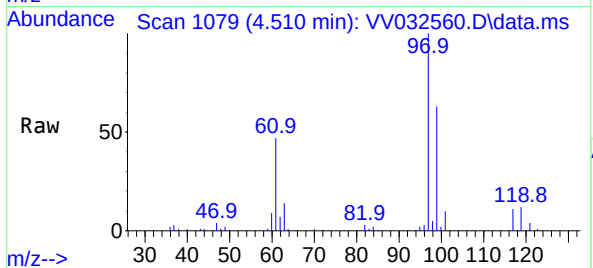




#29  
1,1,1-Trichloroethane  
Concen: 5.266 ug/L  
RT: 4.510 min Scan# 1079  
Delta R.T. -0.006 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

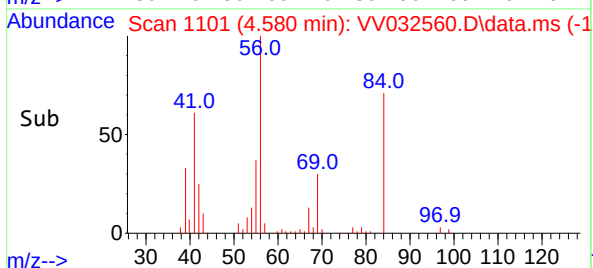
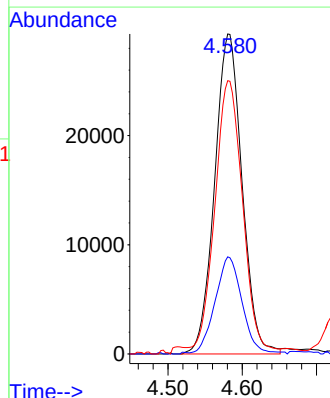
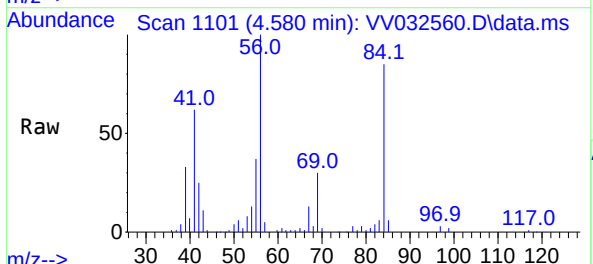
Instrument :  
MSVOA\_V  
ClientSampleId :

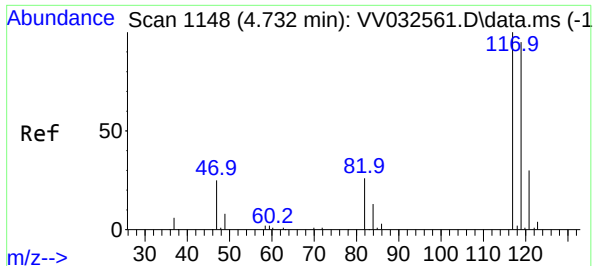
Tgt Ion: 97 Resp: 85437  
Ion Ratio Lower Upper  
97 100  
99 63.4 50.1 75.1  
61 47.3 35.1 52.7



#30  
Cyclohexane  
Concen: 4.225 ug/L  
RT: 4.580 min Scan# 1101  
Delta R.T. -0.006 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion: 56 Resp: 75328  
Ion Ratio Lower Upper  
56 100  
69 29.8 24.2 36.2  
84 84.3 68.1 102.1

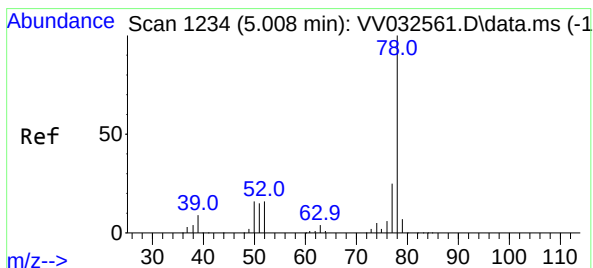
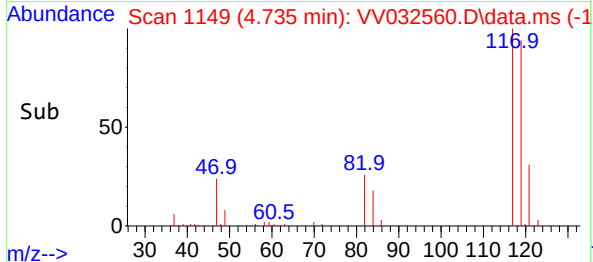
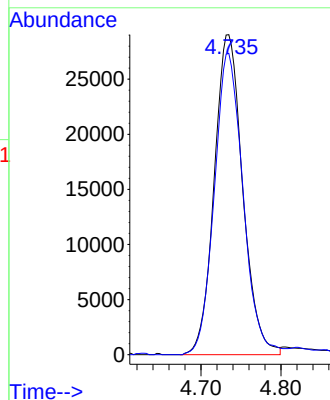
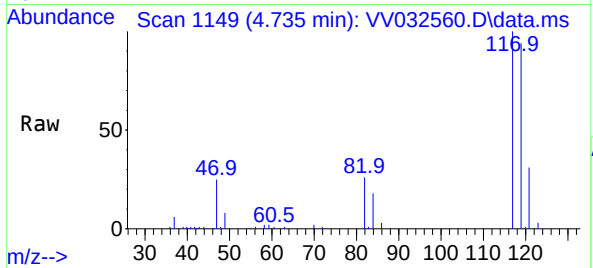




#31  
Carbon tetrachloride  
Concen: 5.231 ug/L  
RT: 4.735 min Scan# 1149  
Delta R.T. -0.006 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

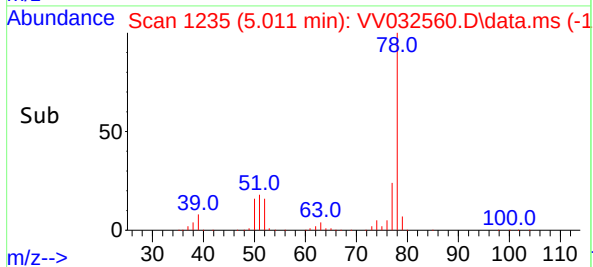
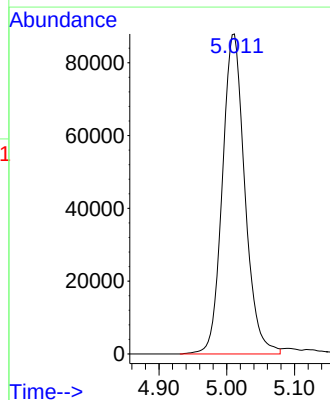
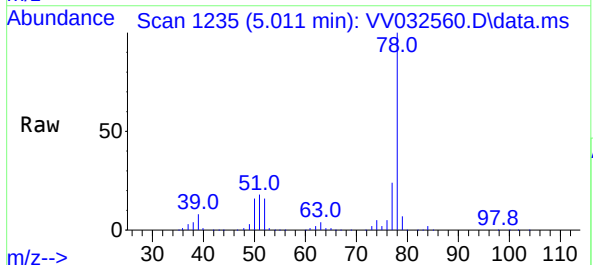
Instrument :  
MSVOA\_V  
ClientSampleId :

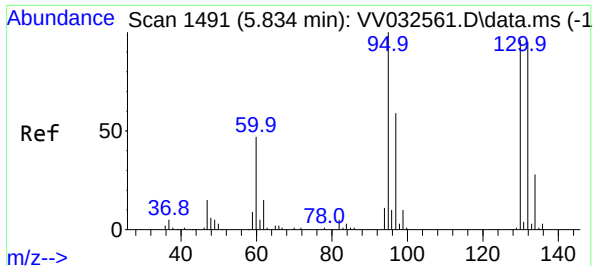
Tgt Ion:117 Resp: 71804  
Ion Ratio Lower Upper  
117 100  
119 95.2 77.6 116.4



#33  
Benzene  
Concen: 4.831 ug/L  
RT: 5.011 min Scan# 1235  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

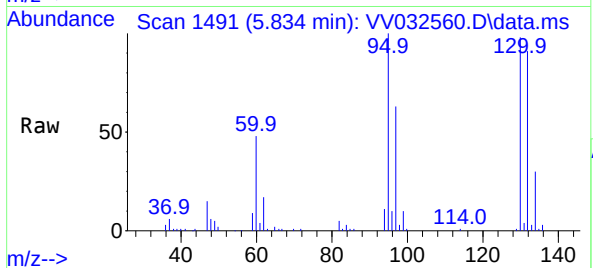
Tgt Ion: 78 Resp: 202947





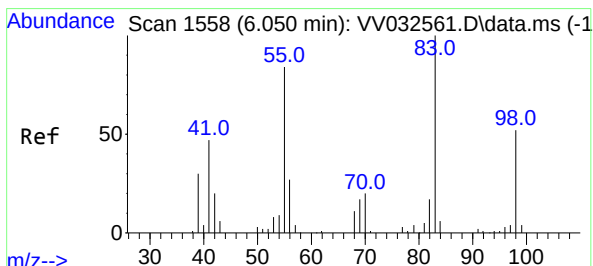
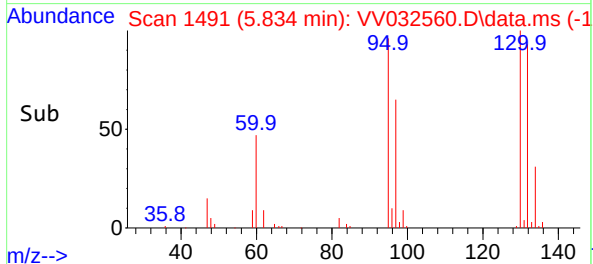
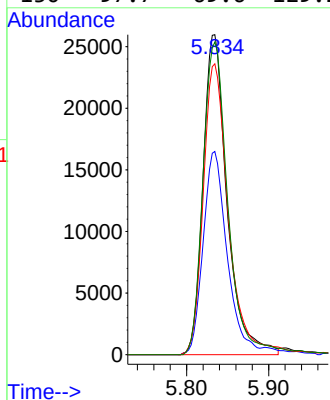
#34  
Trichloroethene  
Concen: 4.611 ug/L  
RT: 5.834 min Scan# 1491  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 95 Resp: 52879

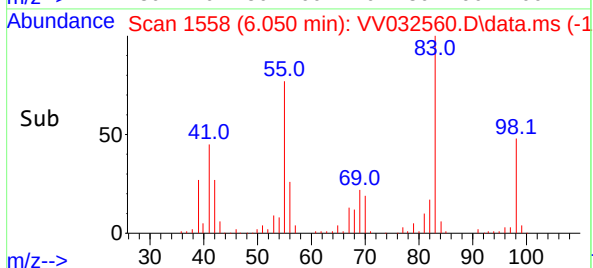
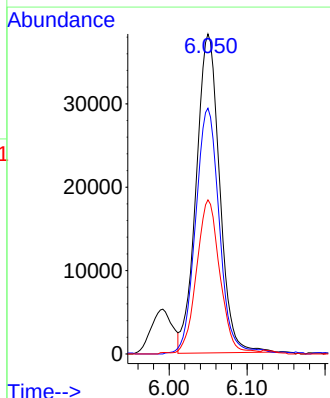
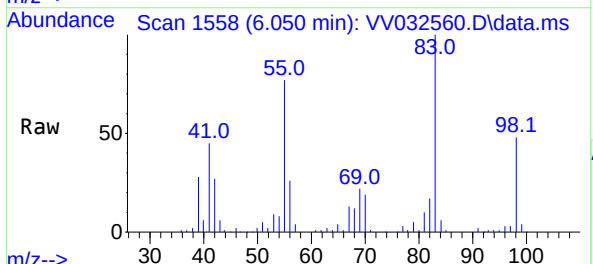
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.5  | 45.7  | 84.9  |
| 132 | 90.9  | 70.3  | 130.5 |
| 130 | 97.7  | 69.6  | 129.2 |



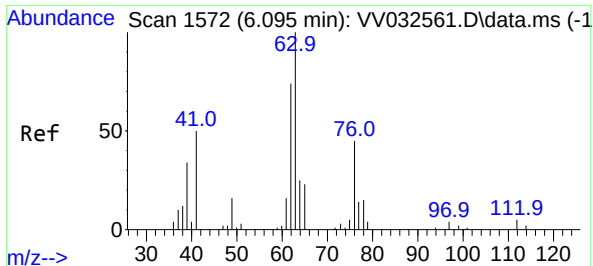
#35  
Methylcyclohexane  
Concen: 4.497 ug/L  
RT: 6.050 min Scan# 1558  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion: 83 Resp: 79818

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 78.6  | 64.2  | 96.2  |
| 98  | 47.7  | 39.6  | 59.4  |



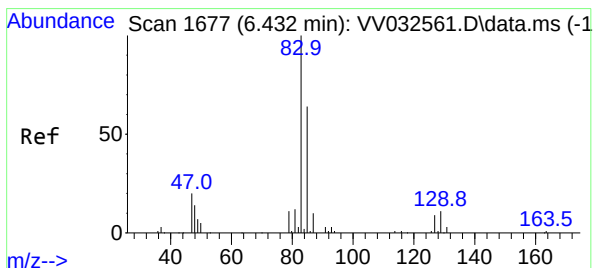
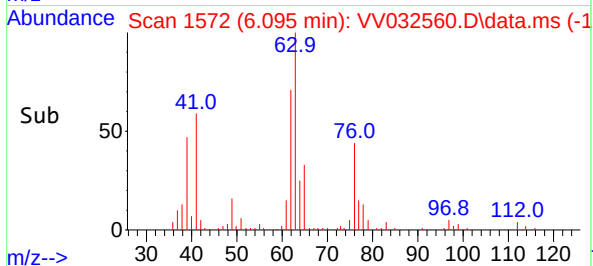
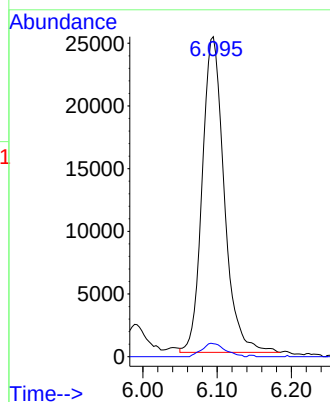
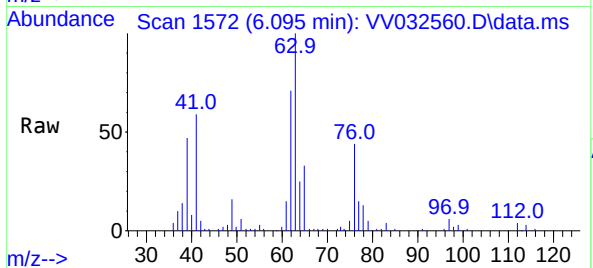




#37  
1,2-Dichloropropane  
Concen: 4.608 ug/L  
RT: 6.095 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

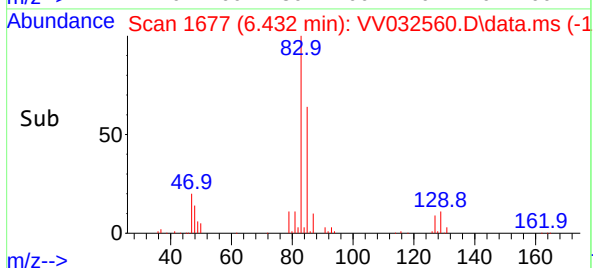
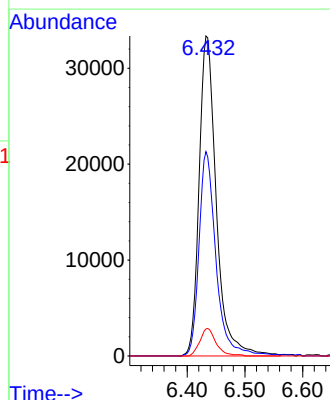
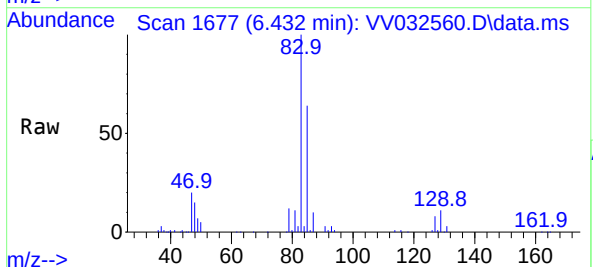
Instrument :  
MSVOA\_V  
ClientSampleId :

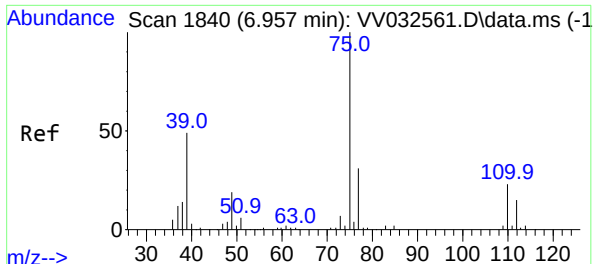
Tgt Ion: 63 Resp: 51777  
Ion Ratio Lower Upper  
63 100  
112 4.4 3.4 5.2



#38  
Bromodichloromethane  
Concen: 5.177 ug/L  
RT: 6.432 min Scan# 1677  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion: 83 Resp: 69111  
Ion Ratio Lower Upper  
83 100  
85 63.9 44.9 83.3  
127 8.5 6.9 10.3

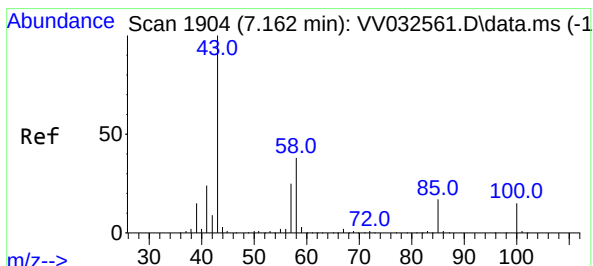
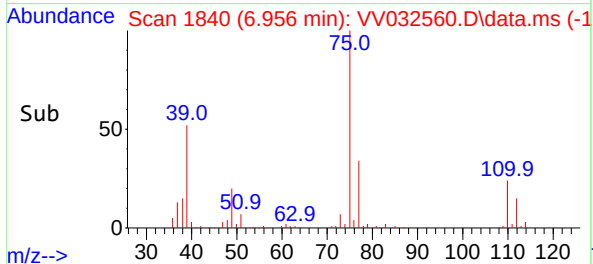
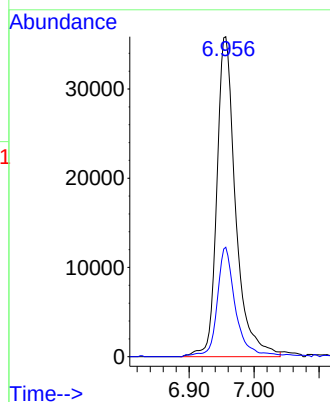
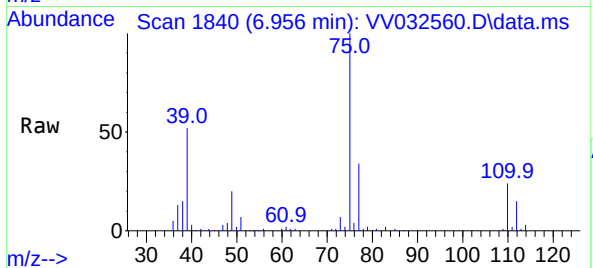




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.508 ug/L  
 RT: 6.956 min Scan# 11  
 Delta R.T. -0.003 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

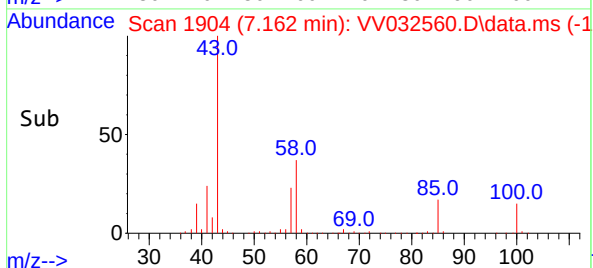
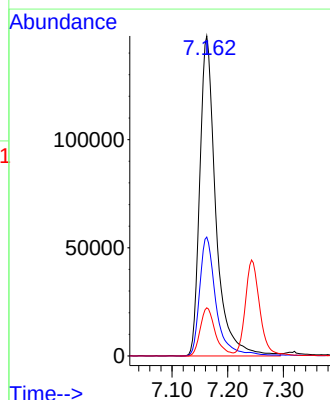
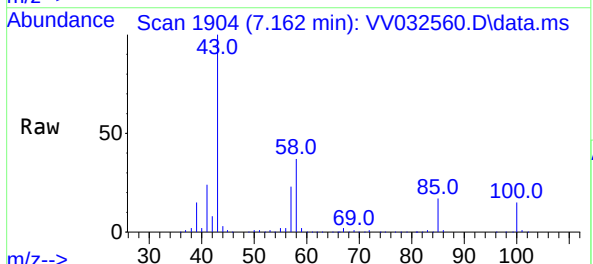
Instrument :  
 MSVOA\_V  
 ClientSampleId :

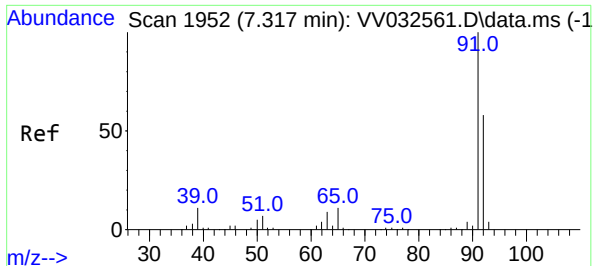
Tgt Ion: 75 Resp: 72082  
 Ion Ratio Lower Upper  
 75 100  
 77 34.2 22.2 41.2



#40  
 4-Methyl-2-pentanone  
 Concen: 41.650 ug/L  
 RT: 7.162 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VV032560.D  
 Acq: 23 Oct 2023 10:20

Tgt Ion: 43 Resp: 296129  
 Ion Ratio Lower Upper  
 43 100  
 58 37.1 31.9 47.9  
 100 14.3 11.3 16.9





#42

Toluene

Concen: 4.893 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV032560.D

Acq: 23 Oct 2023 10:20

Instrument :

MSVOA\_V

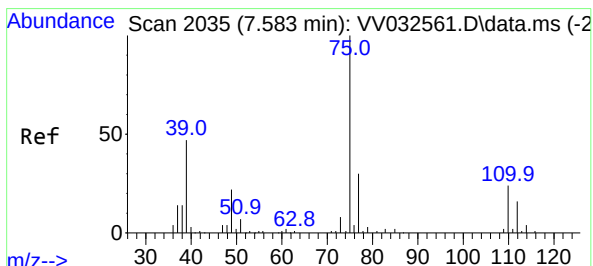
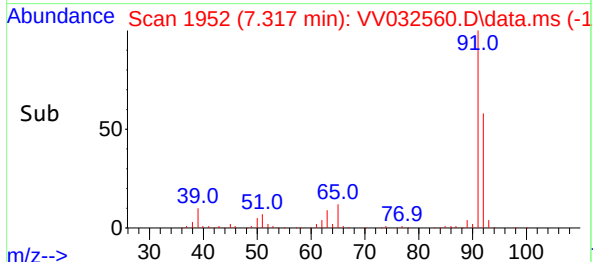
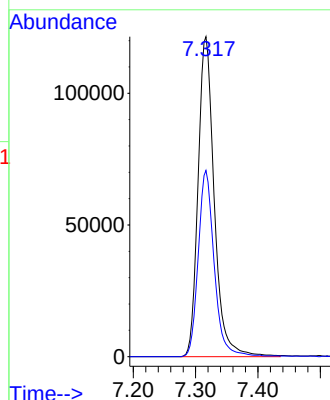
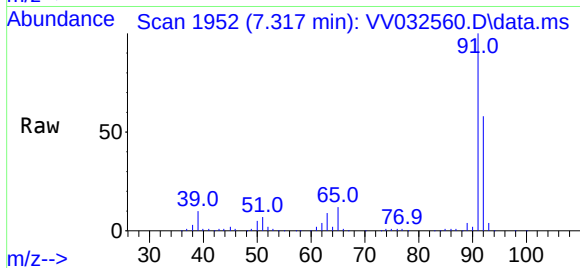
ClientSampleId :

Tgt Ion: 91 Resp: 219124

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.512 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV032560.D

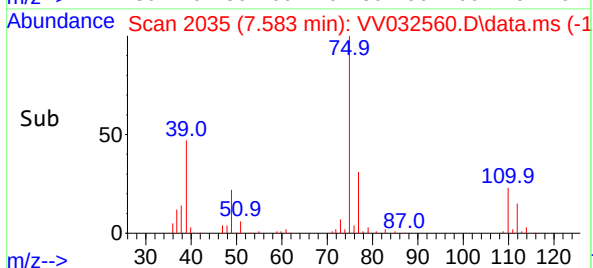
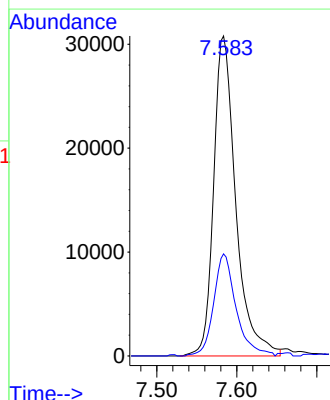
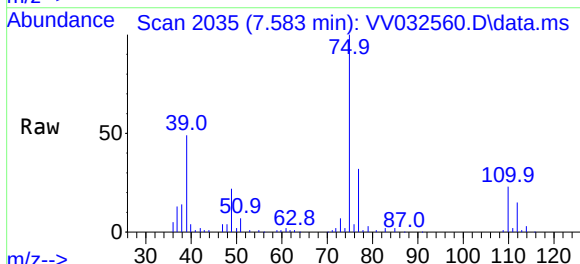
Acq: 23 Oct 2023 10:20

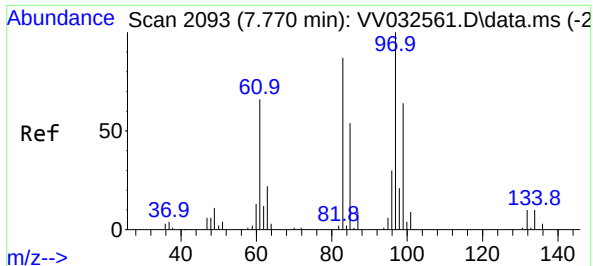
Tgt Ion: 75 Resp: 59296

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.653 ug/L

RT: 7.773 min Scan# 2093

Delta R.T. 0.000 min

Lab File: VV032560.D

Acq: 23 Oct 2023 10:20

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 36879

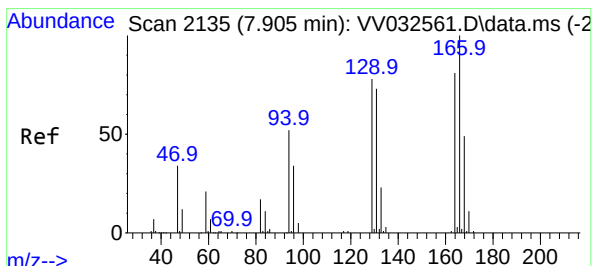
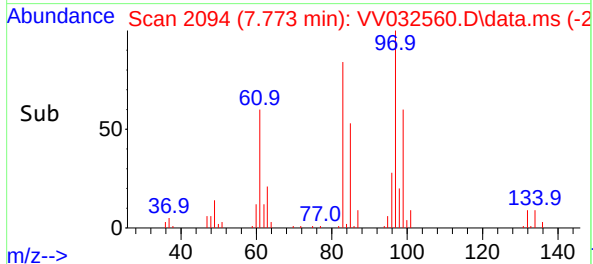
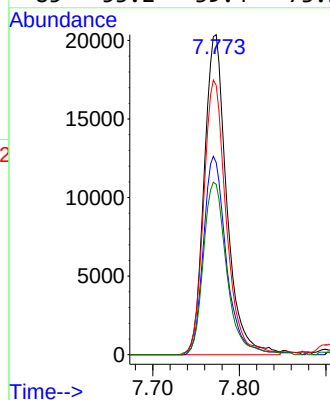
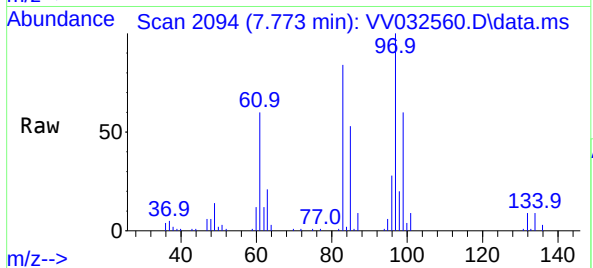
Ion Ratio Lower Upper

97 100

99 60.0 42.8 79.4

83 84.2 60.9 113.1

85 53.2 39.4 73.2



#47

Tetrachloroethene

Concen: 4.775 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VV032560.D

Acq: 23 Oct 2023 10:20

Tgt Ion:164 Resp: 41525

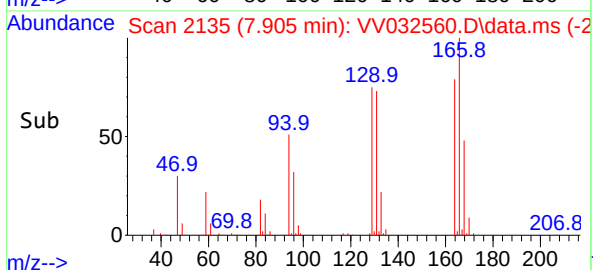
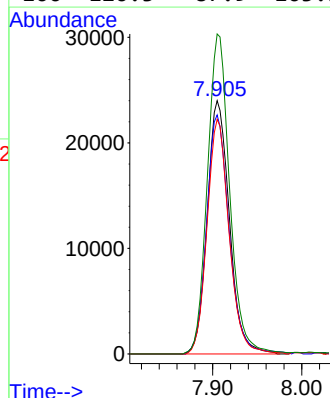
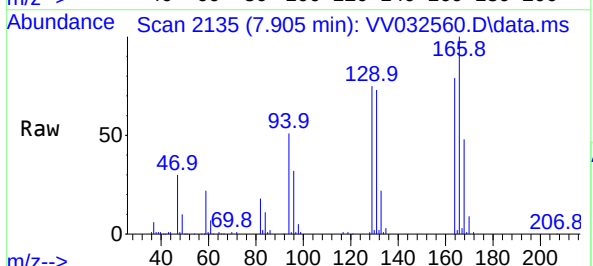
Ion Ratio Lower Upper

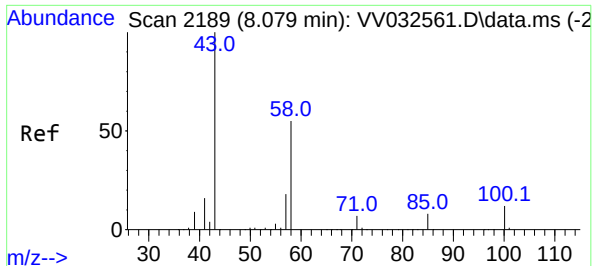
164 100

129 94.4 66.4 123.4

131 92.6 63.7 118.3

166 126.3 87.9 163.3

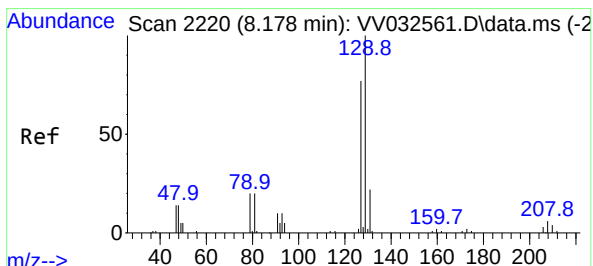
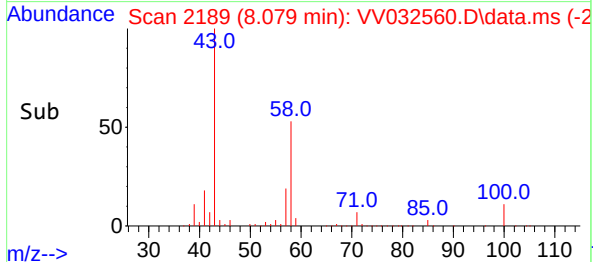
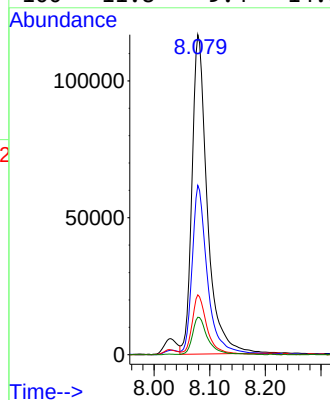
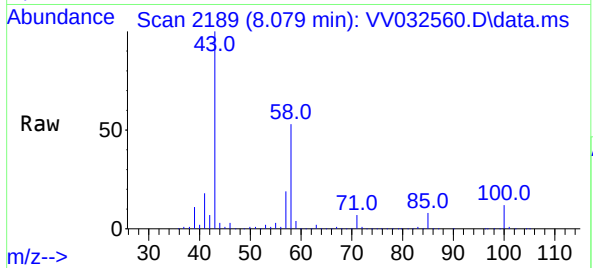




#48  
2-Hexanone  
Concen: 44.583 ug/L  
RT: 8.079 min Scan# 2189  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

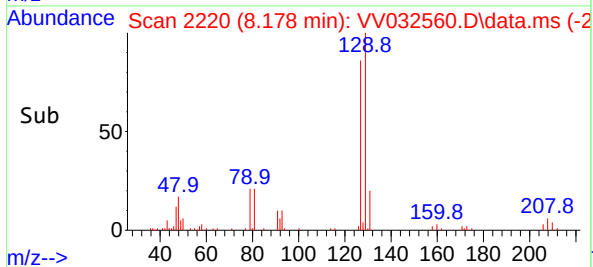
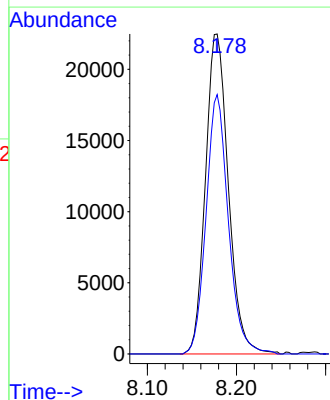
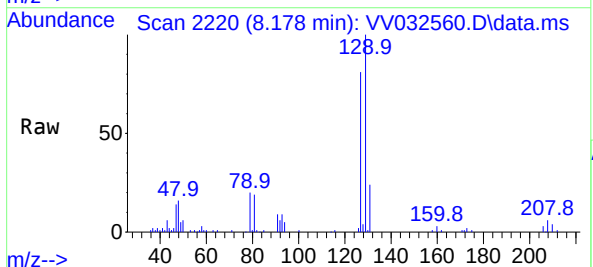
Instrument :  
MSVOA\_V  
ClientSampleId :

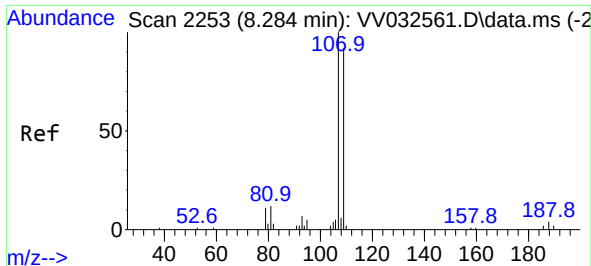
Tgt Ion: 43 Resp: 223646  
Ion Ratio Lower Upper  
43 100  
58 52.3 43.6 65.4  
57 17.6 14.6 22.0  
100 11.8 9.4 14.0



#49  
Dibromochloromethane  
Concen: 4.862 ug/L  
RT: 8.178 min Scan# 2220  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion: 129 Resp: 40118  
Ion Ratio Lower Upper  
129 100  
127 81.0 57.2 106.2

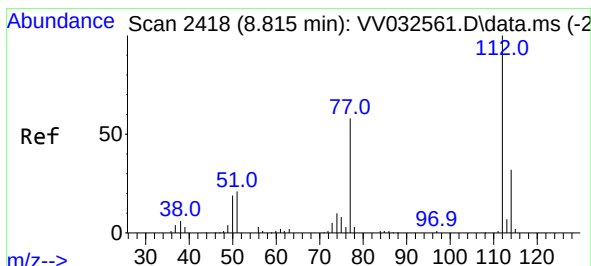
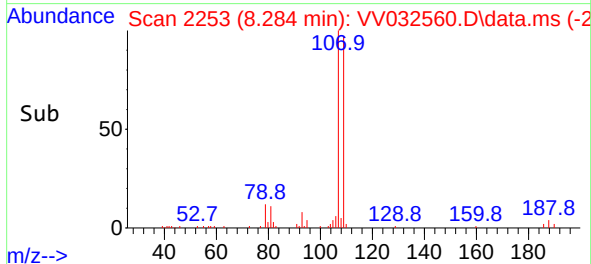
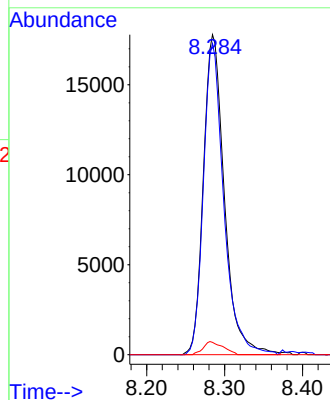
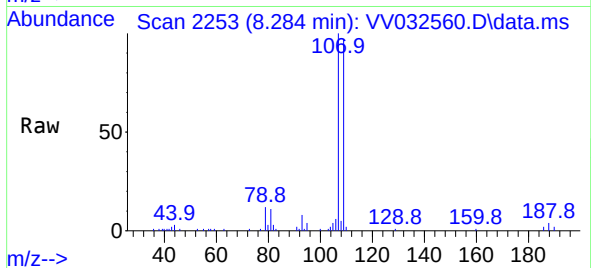




#50  
1,2-Dibromoethane  
Concen: 4.435 ug/L  
RT: 8.284 min Scan# 2118  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

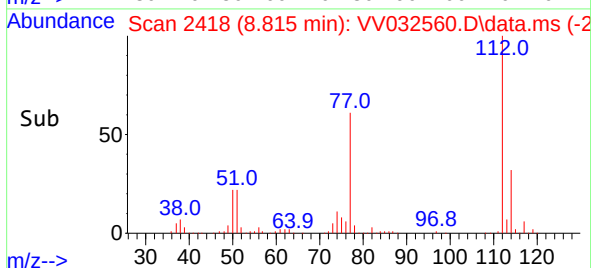
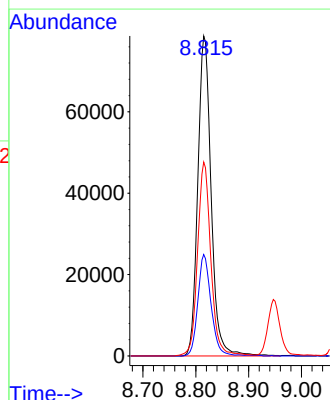
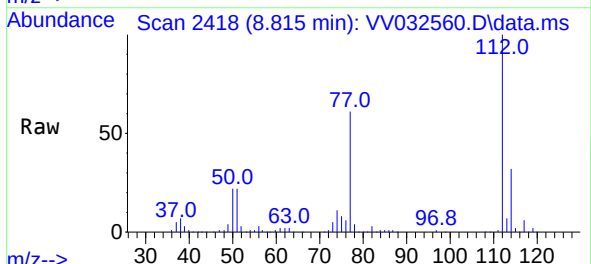
Instrument :  
MSVOA\_V  
ClientSampleId :

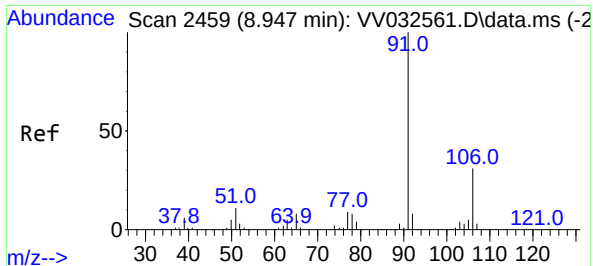
Tgt Ion:107 Resp: 33250  
Ion Ratio Lower Upper  
107 100  
109 97.3 68.4 127.0  
188 3.9 3.2 4.8



#51  
Chlorobenzene  
Concen: 4.780 ug/L  
RT: 8.815 min Scan# 2418  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion:112 Resp: 137815  
Ion Ratio Lower Upper  
112 100  
114 31.7 22.1 41.1  
77 60.6 46.1 69.1

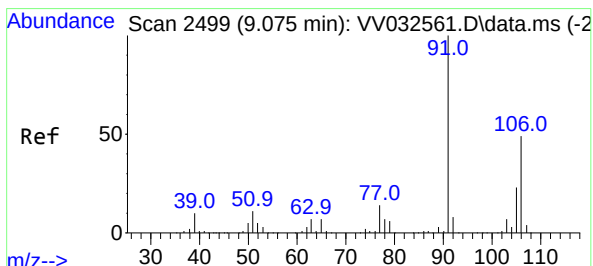
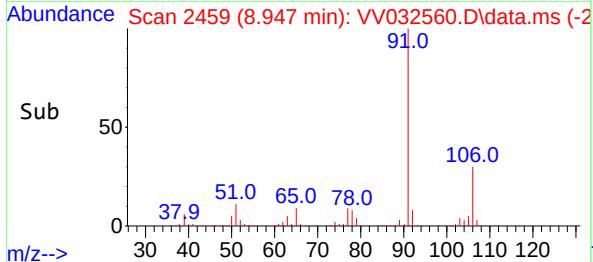
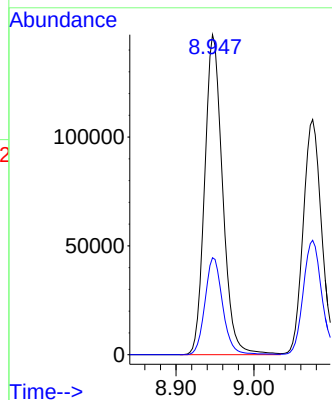
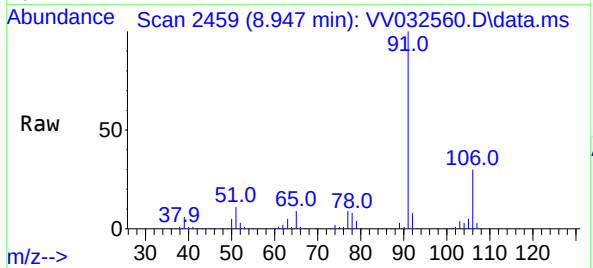




#52  
Ethylbenzene  
Concen: 4.712 ug/L  
RT: 8.947 min Scan# 2459  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

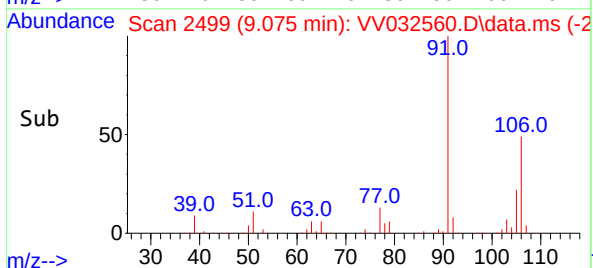
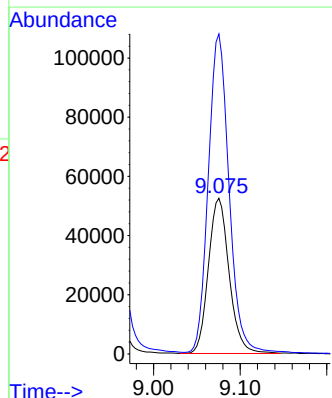
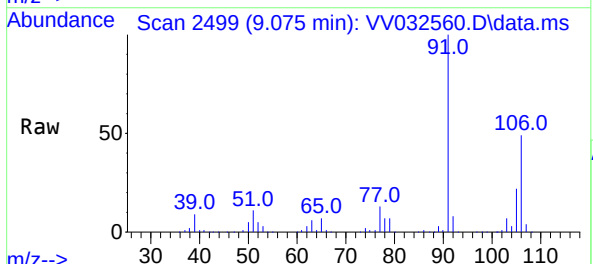
Instrument :  
MSVOA\_V  
ClientSampleId :

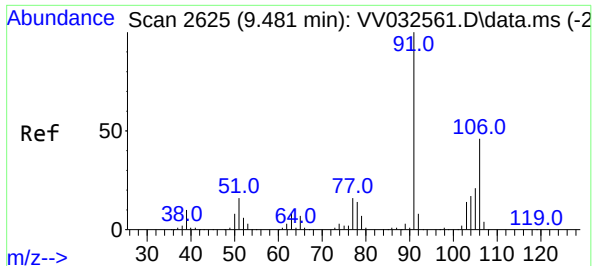
Tgt Ion: 91 Resp: 234964  
Ion Ratio Lower Upper  
91 100  
106 30.3 21.3 39.5



#53  
m,p-Xylene  
Concen: 4.723 ug/L  
RT: 9.075 min Scan# 2499  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion: 106 Resp: 87346  
Ion Ratio Lower Upper  
106 100  
91 205.6 144.5 268.3

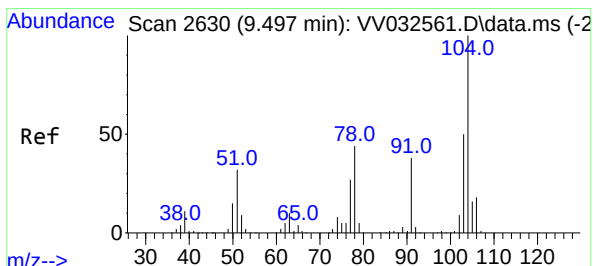
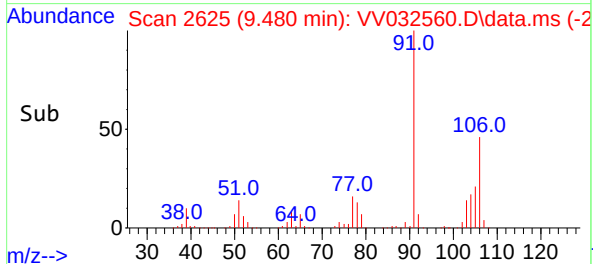
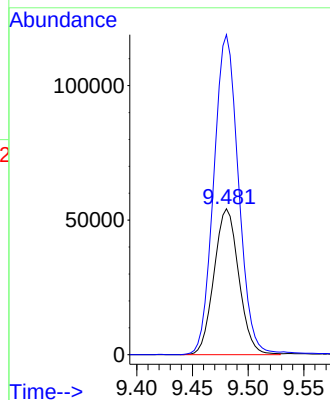
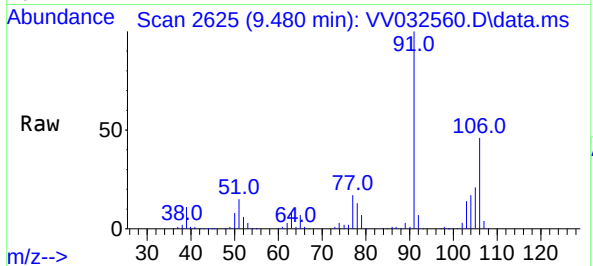




#54  
o-Xylene  
Concen: 4.715 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

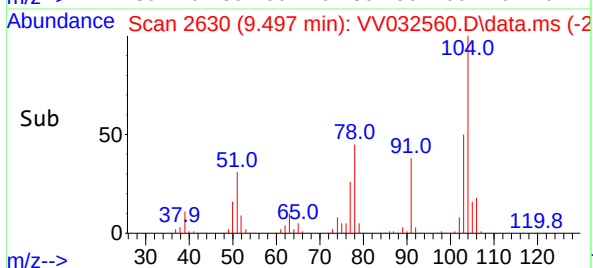
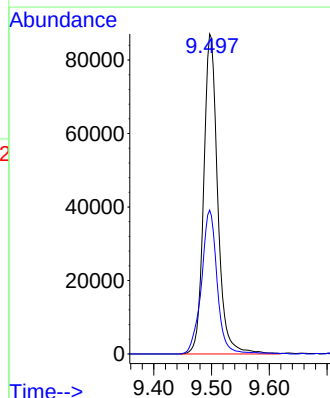
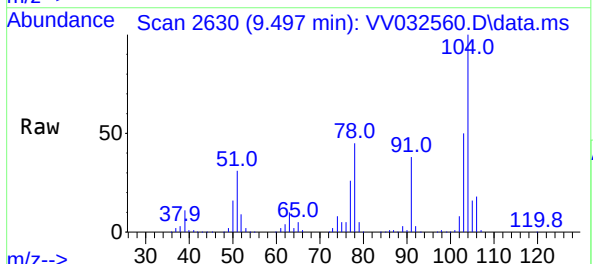
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 84035  
Ion Ratio Lower Upper  
106 100  
91 219.4 154.8 287.4

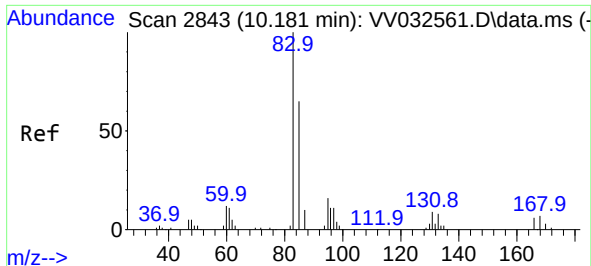


#55  
Styrene  
Concen: 4.879 ug/L  
RT: 9.497 min Scan# 2630  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion:104 Resp: 146851  
Ion Ratio Lower Upper  
104 100  
78 44.9 29.9 55.5



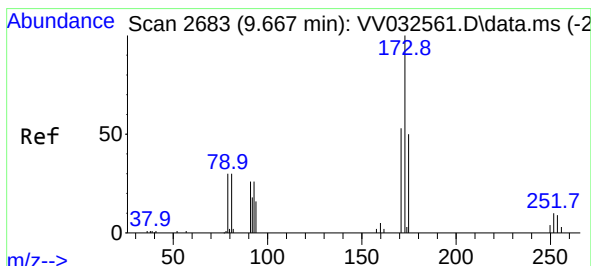
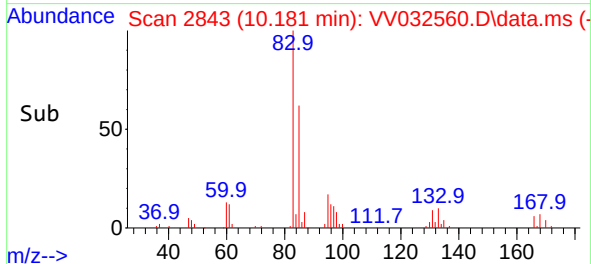
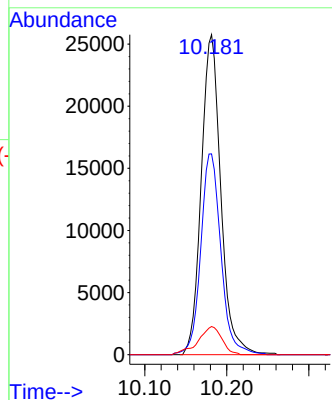
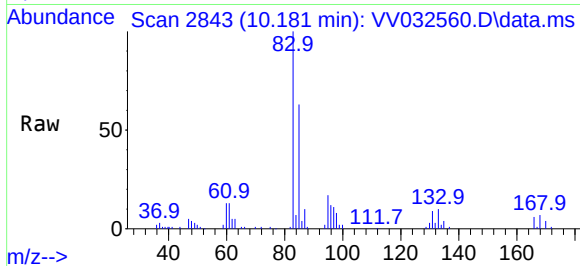




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.890 ug/L  
RT: 10.181 min Scan# 2843  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

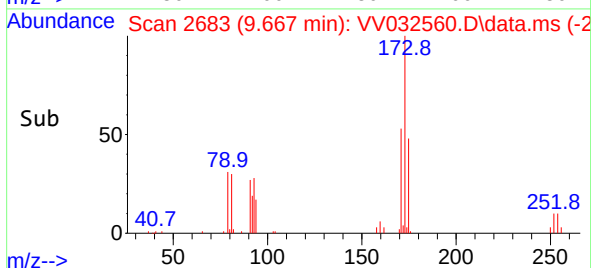
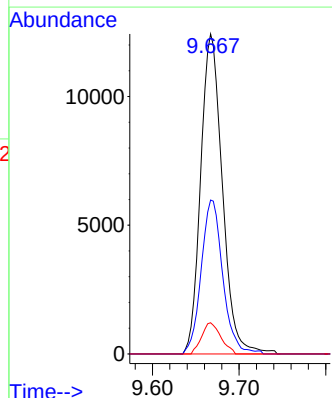
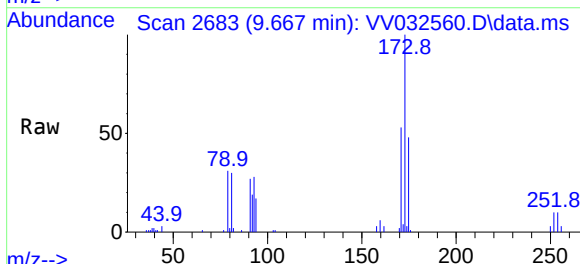
Instrument :  
MSVOA\_V  
ClientSampleId :

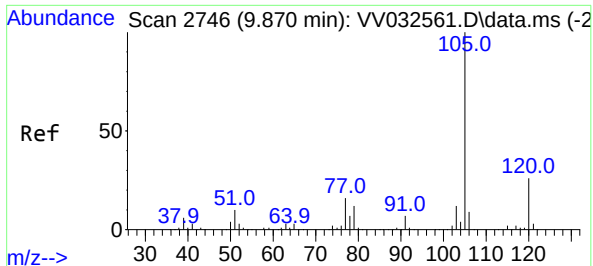
Tgt Ion: 83 Resp: 42648  
Ion Ratio Lower Upper  
83 100  
85 62.8 43.6 81.0  
131 8.8 7.0 10.6



#59  
Bromoform  
Concen: 4.981 ug/L  
RT: 9.667 min Scan# 2683  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion: 173 Resp: 21611  
Ion Ratio Lower Upper  
173 100  
175 47.9 38.2 57.2  
254 8.6 7.0 10.4

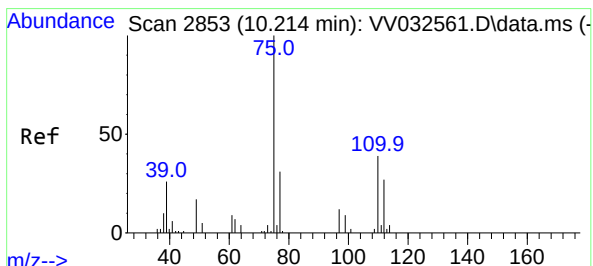
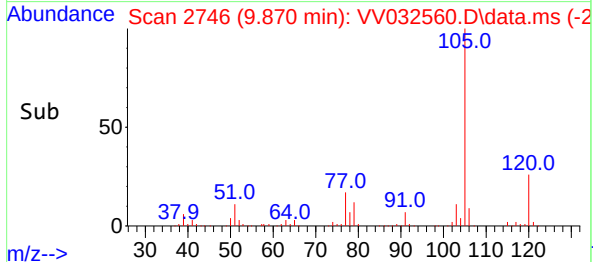
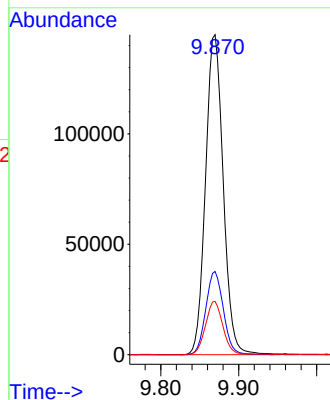
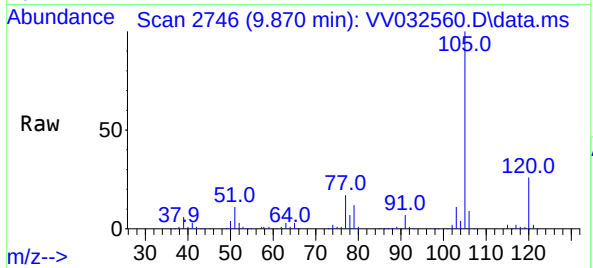




#60  
Isopropylbenzene  
Concen: 4.938 ug/L  
RT: 9.870 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

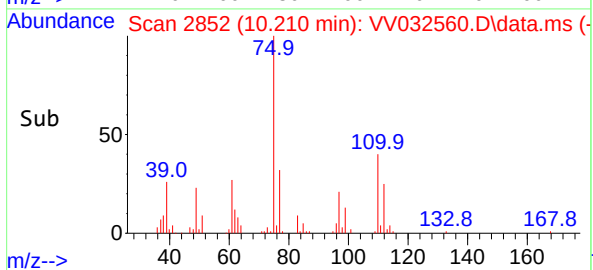
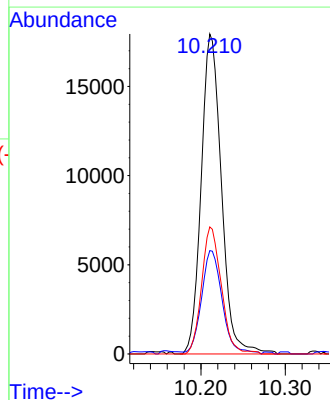
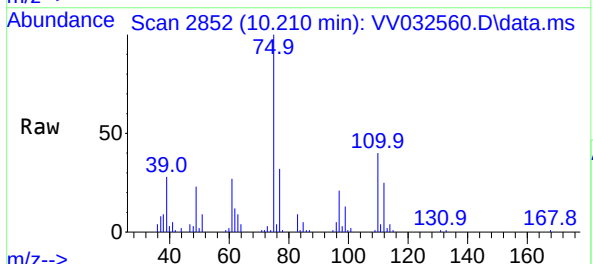
Instrument :  
MSVOA\_V  
ClientSampleId :

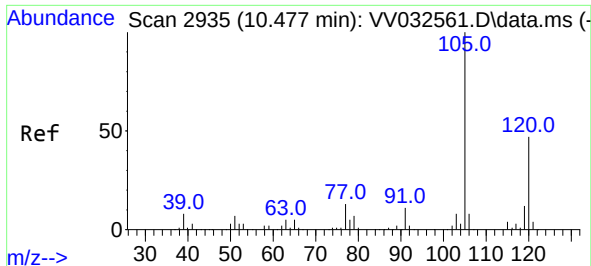
Tgt Ion:105 Resp: 228972  
Ion Ratio Lower Upper  
105 100  
120 25.8 21.0 31.6  
77 16.5 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 4.726 ug/L  
RT: 10.210 min Scan# 2852  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion: 75 Resp: 30015  
Ion Ratio Lower Upper  
75 100  
77 33.0 26.2 39.2  
110 38.7 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 4.793 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VV032560.D

Acq: 23 Oct 2023 10:20

Instrument :

MSVOA\_V

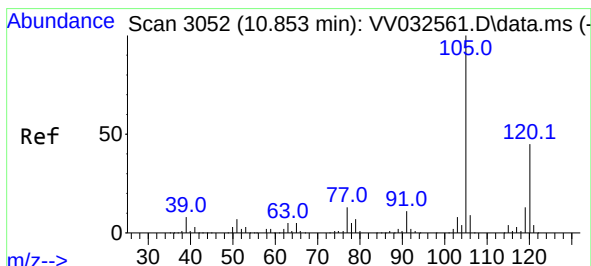
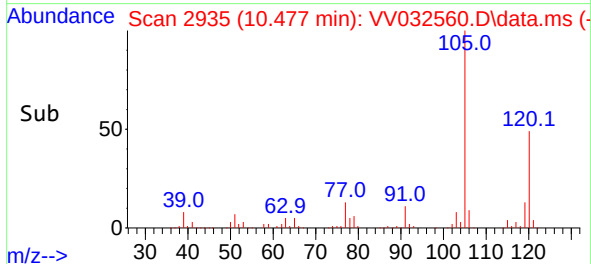
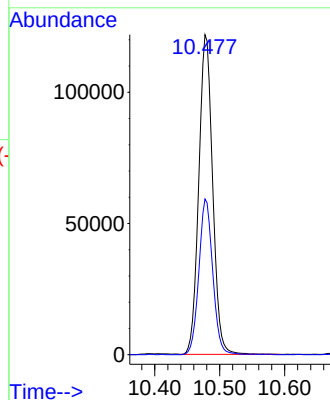
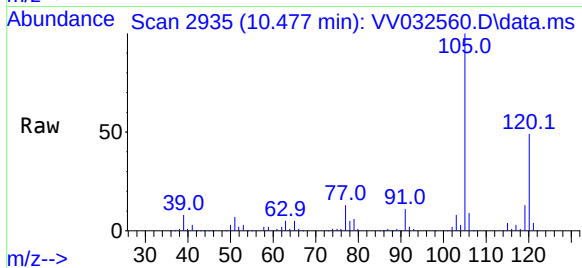
ClientSampleId :

Tgt Ion:105 Resp: 181154

Ion Ratio Lower Upper

105 100

120 48.6 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 4.823 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VV032560.D

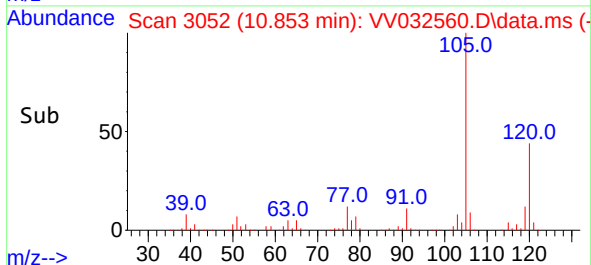
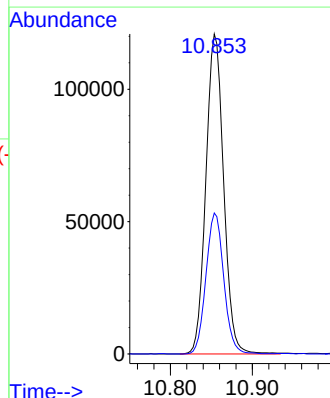
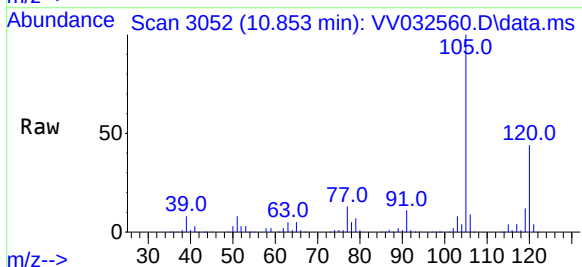
Acq: 23 Oct 2023 10:20

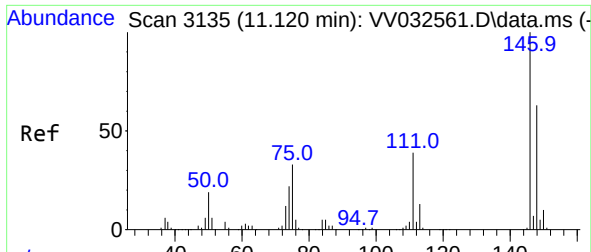
Tgt Ion:105 Resp: 181467

Ion Ratio Lower Upper

105 100

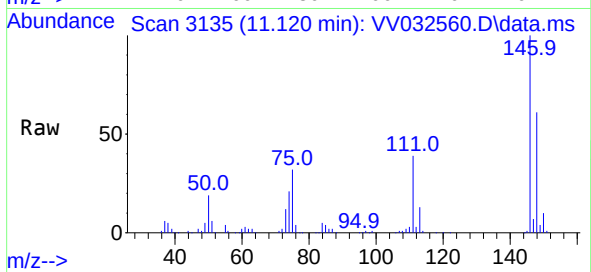
120 44.3 36.2 54.4



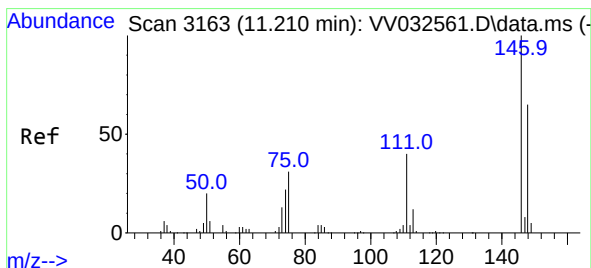
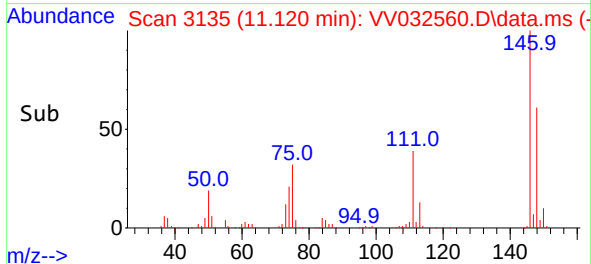
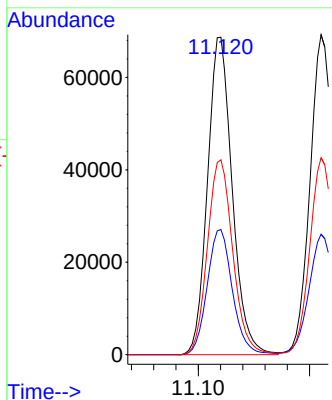


#64  
1,3-Dichlorobenzene  
Concen: 4.785 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Instrument :  
MSVOA\_V  
ClientSampleId :

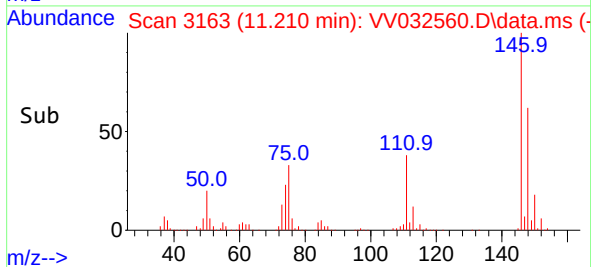
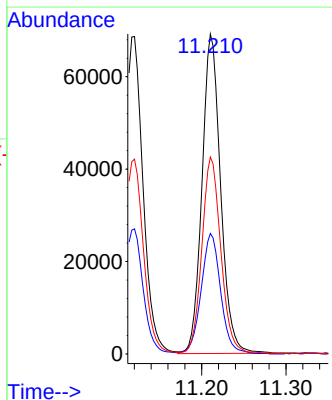
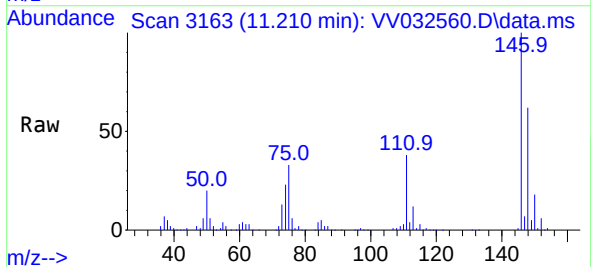


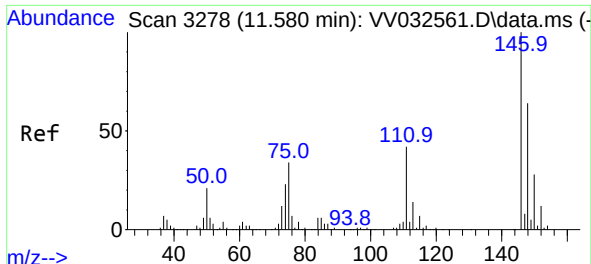
Tgt Ion:146 Resp: 106009  
Ion Ratio Lower Upper  
146 100  
111 39.4 27.8 51.6  
148 61.4 43.7 81.1



#65  
1,4-Dichlorobenzene  
Concen: 4.788 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

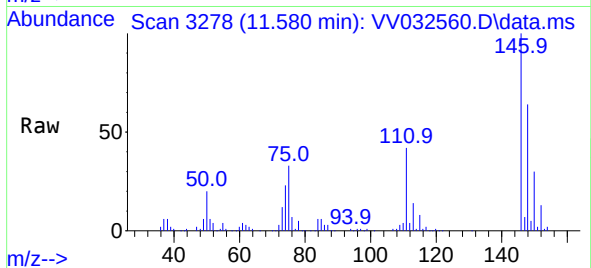
Tgt Ion:146 Resp: 106408  
Ion Ratio Lower Upper  
146 100  
111 37.6 26.9 49.9  
148 61.5 44.8 83.2



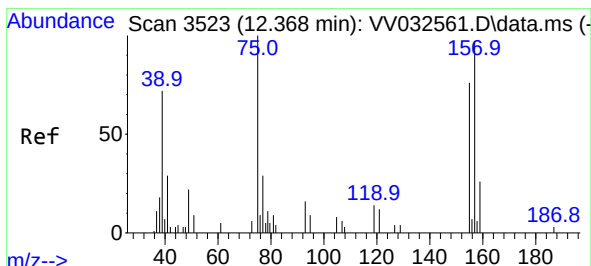
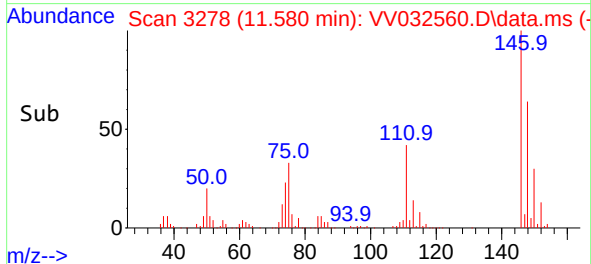
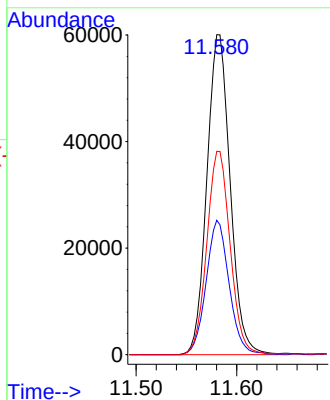


#67  
1,2-Dichlorobenzene  
Concen: 4.786 ug/L  
RT: 11.580 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Instrument :  
MSVOA\_V  
ClientSampleId :

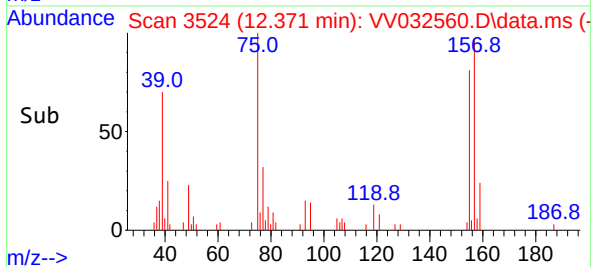
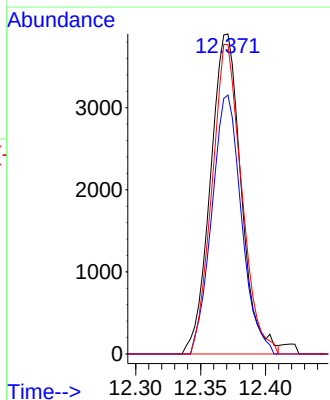
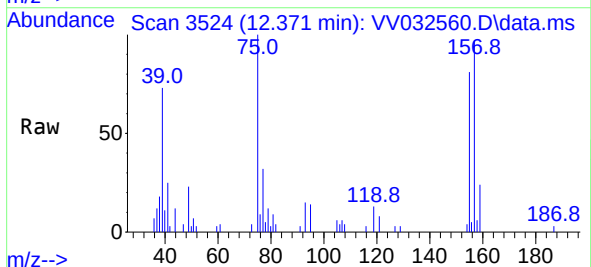


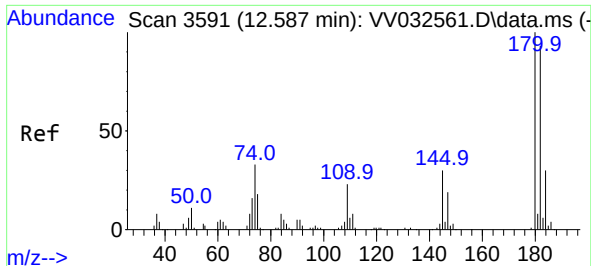
Tgt Ion:146 Resp: 96686  
Ion Ratio Lower Upper  
146 100  
111 42.0 32.8 49.2  
148 63.6 51.0 76.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.936 ug/L  
RT: 12.371 min Scan# 3524  
Delta R.T. 0.003 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion: 75 Resp: 6404  
Ion Ratio Lower Upper  
75 100  
155 80.9 70.2 105.4  
157 96.7 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 4.523 ug/L

RT: 12.583 min Scan# 3591

Delta R.T. -0.003 min

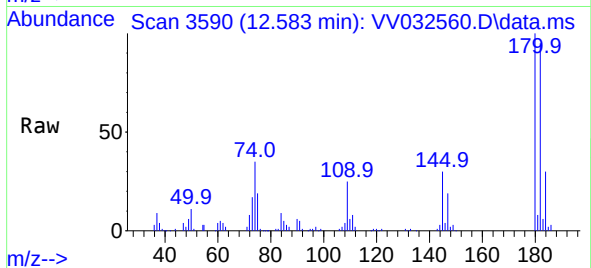
Lab File: VV032560.D

Acq: 23 Oct 2023 10:20

Instrument :

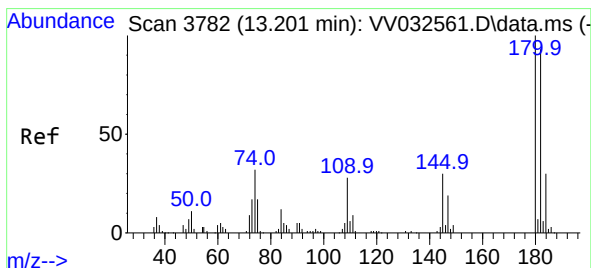
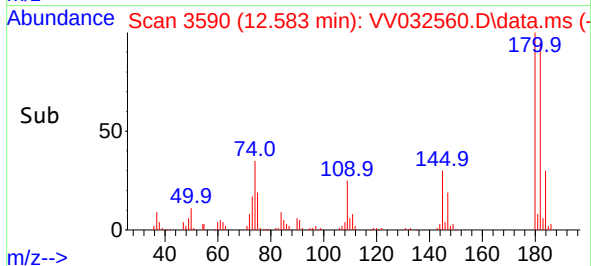
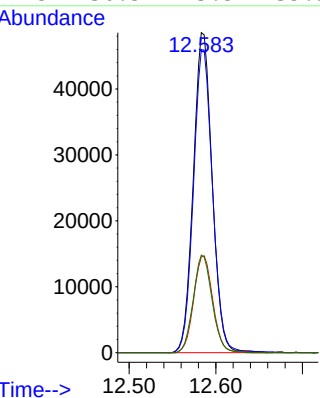
MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 73371

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 74.6  | 112.0 |
| 184 | 30.6  | 24.1  | 36.1  |
| 145 | 30.5  | 23.5  | 35.3  |



#70

1,2,4-trichlorobenzene

Concen: 4.095 ug/L

RT: 13.201 min Scan# 3782

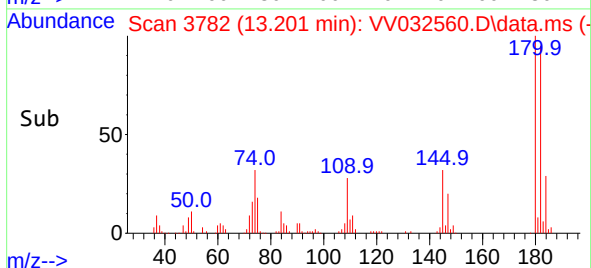
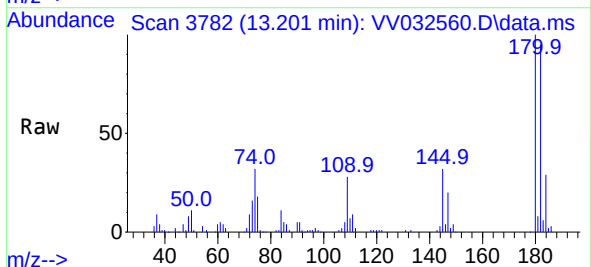
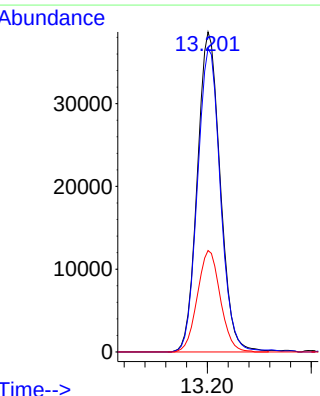
Delta R.T. 0.000 min

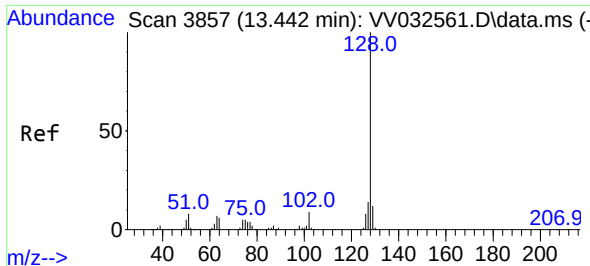
Lab File: VV032560.D

Acq: 23 Oct 2023 10:20

Tgt Ion:180 Resp: 58920

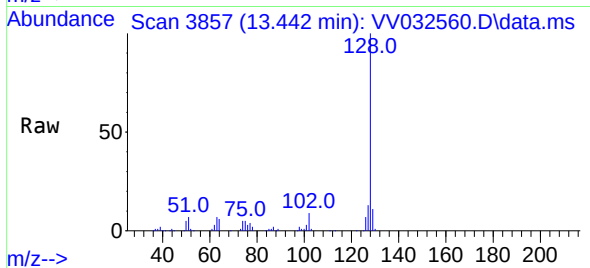
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.0  | 76.5  | 114.7 |
| 145 | 31.8  | 24.3  | 36.5  |



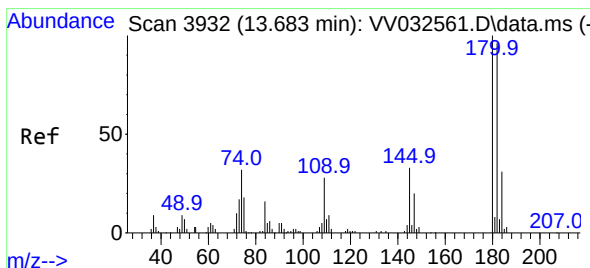
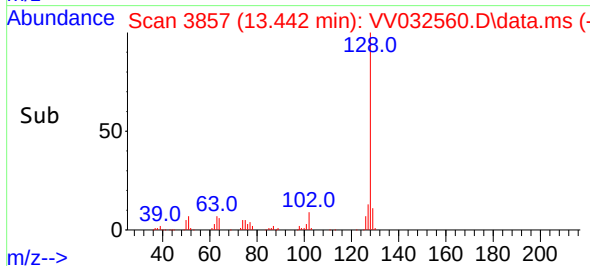
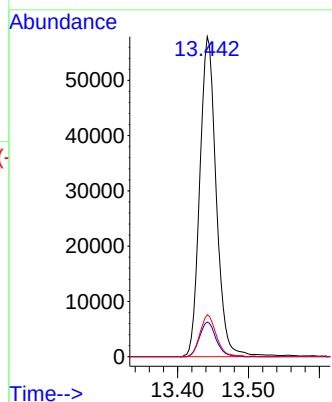


#71  
Naphthalene  
Concen: 3.821 ug/L  
RT: 13.442 min Scan# 3857  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 93391  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.0 13.4  
127 12.9 10.2 15.2



#72  
1,2,3-Trichlorobenzene  
Concen: 4.296 ug/L  
RT: 13.683 min Scan# 3932  
Delta R.T. 0.000 min  
Lab File: VV032560.D  
Acq: 23 Oct 2023 10:20

Tgt Ion:180 Resp: 53264  
Ion Ratio Lower Upper  
180 100  
182 95.9 77.0 115.4  
145 32.9 25.7 38.5

