

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111521\  
 Data File : VW023513.D  
 Acq On : 16 Nov 2021 03:30  
 Operator : SY/MD  
 Sample : M4694-05MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4651MSD

Quant Time: Nov 16 05:18:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 16 02:06:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 133670   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 131249   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 71643    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 41832    | 4.996    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 100.000% |
| 7) Chloroethane-d5            | 1.571  | 69    | 32332    | 4.737    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 74817    | 4.773    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 95.400%  |
| 20) 2-Butanone-d5             | 3.905  | 46    | 81332    | 56.376   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 112.760% |
| 24) Chloroform-d              | 4.349  | 84    | 79541    | 4.457    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 37034    | 4.615    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.200%  |
| 32) Benzene-d6                | 5.053  | 84    | 152425   | 4.526    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 42660    | 4.303    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 86.000%  |
| 41) Toluene-d8                | 7.317  | 98    | 146487   | 4.642    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 16700    | 4.443    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.800%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 61795    | 44.681   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 89.360%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 32153    | 4.510    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 53910    | 4.519    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 53883    | 4.134    | ug/L   | 100      |
| 3) Chloromethane              | 1.243  | 50    | 50464    | 4.554    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.314  | 62    | 201774   | 18.231   | ug/L   | 100      |
| 6) Bromomethane               | 1.526  | 94    | 25480    | 3.602    | ug/L   | 99       |
| 8) Chloroethane               | 1.587  | 64    | 30431    | 4.765    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 77616    | 4.667    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121  | 101   | 39707    | 4.743    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 38231    | 4.796    | ug/L   | 94       |
| 13) Acetone                   | 2.195  | 43    | 57154    | 64.836   | ug/L   | 67       |
| 14) Carbon disulfide          | 2.297  | 76    | 126279   | 4.198    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.445  | 43    | 12431    | 4.983    | ug/L   | 90       |
| 16) Methylene chloride        | 2.510  | 84    | 42647    | 3.666    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 5303773  | 302.266  | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96    | 59344    | 6.056    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 100566   | 6.079    | ug/L   | 99       |
| 21) 2-Butanone                | 3.985  | 43    | 84870    | 59.550   | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 56817    | 6.025    | ug/L   | # 87     |
| 23) Bromochloromethane        | 4.252  | 128   | 19982    | 4.595    | ug/L   | # 80     |
| 25) Chloroform                | 4.378  | 83    | 79515    | 4.509    | ug/L   | 97       |

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 Sample : M4694-05MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 45 Sample Multiplier: 1

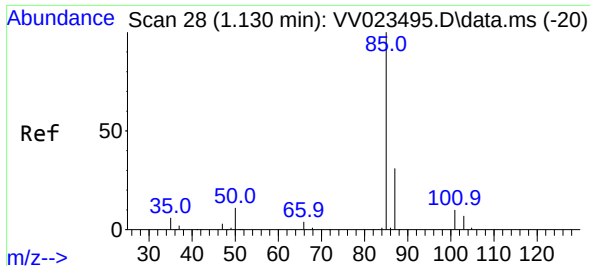
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4651MSD

Quant Time: Nov 16 05:18:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 16 02:06:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 45392    | 4.839  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 72240    | 4.532  | ug/L   | 99       |
| 30) Cyclohexane               | 4.680  | 56   | 62136    | 4.350  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 65639    | 4.585  | ug/L   | 97       |
| 33) Benzene                   | 5.101  | 78   | 184801   | 5.038  | ug/L   | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 43602    | 4.470  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 64337    | 4.178  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 40834    | 4.768  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.510  | 83   | 53195    | 4.635  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 53634    | 4.354  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 211137   | 53.157 | ug/L   | 98       |
| 42) Toluene                   | 7.387  | 91   | 187759   | 4.785  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 46397    | 4.540  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 28880    | 4.693  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.976  | 164  | 37563    | 4.443  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 154751   | 55.602 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.246  | 129  | 35635    | 4.570  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 26285    | 4.609  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.882  | 112  | 118100   | 4.528  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 189929   | 4.589  | ug/L   | 97       |
| 53) m,p-xylene                | 9.140  | 106  | 75663    | 4.659  | ug/L   | 99       |
| 54) o-xylene                  | 9.545  | 106  | 72112    | 4.733  | ug/L   | 96       |
| 55) Styrene                   | 9.561  | 104  | 125559   | 4.810  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 32287    | 4.789  | ug/L   | 98       |
| 59) Bromoform                 | 9.731  | 173  | 19399    | 4.533  | ug/L # | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 194864   | 4.740  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 23233    | 4.882  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 159678   | 4.684  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 159534   | 4.702  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 97295    | 4.632  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 97417    | 4.541  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 88044    | 4.684  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 4397     | 4.337  | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 73405    | 4.463  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 56562    | 4.294  | ug/L   | 99       |
| 71) Naphthalene               | 13.503 | 128  | 81946    | 4.219  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 51663    | 4.483  | ug/L   | 99       |

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

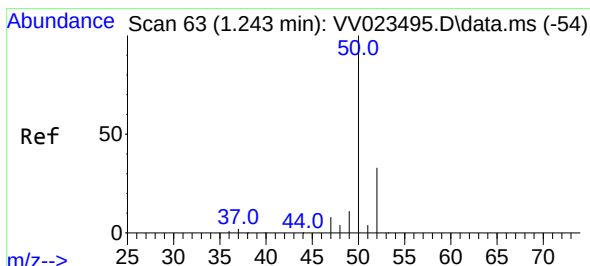
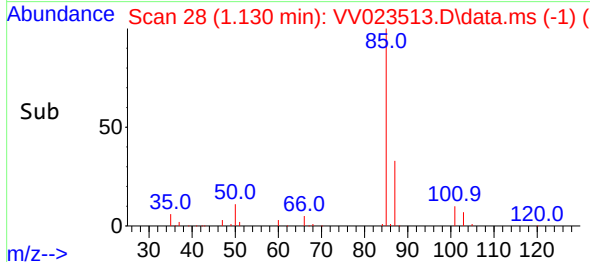
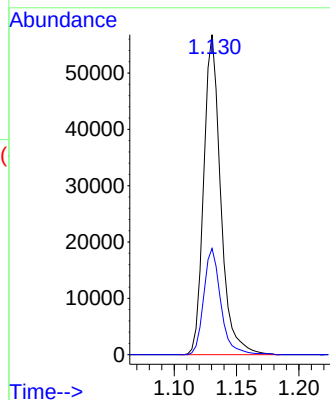
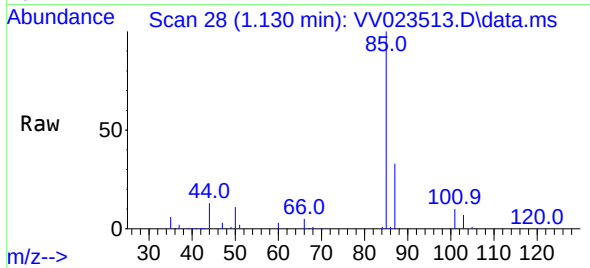




#2  
Dichlorodifluoromethane  
Concen: 4.134 ug/L  
RT: 1.130 min Scan# 28  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

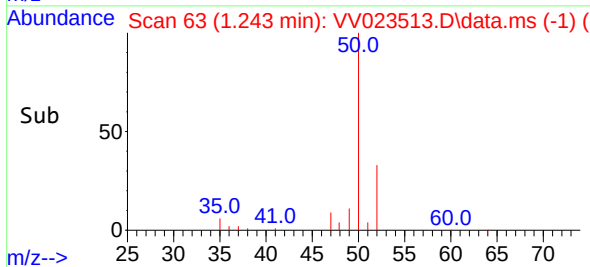
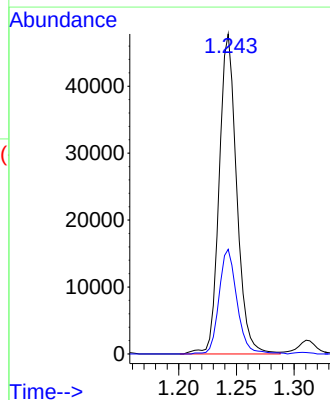
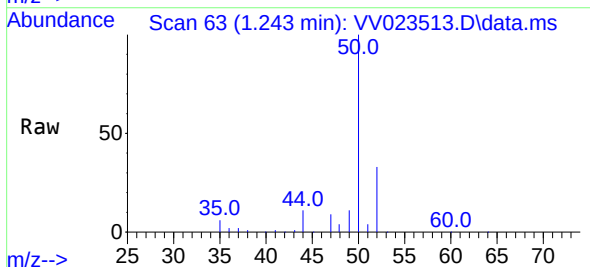
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

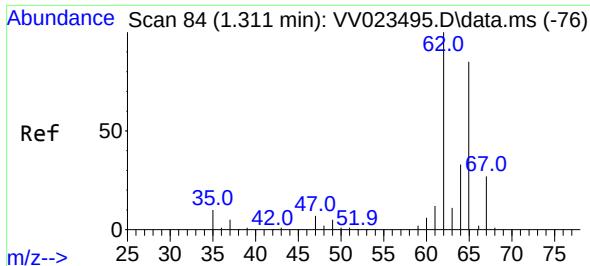
Tgt Ion: 85 Resp: 53883  
Ion Ratio Lower Upper  
85 100  
87 33.5 26.6 39.8



#3  
Chloromethane  
Concen: 4.554 ug/L  
RT: 1.243 min Scan# 63  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 50 Resp: 50464  
Ion Ratio Lower Upper  
50 100  
52 32.7 24.3 45.1

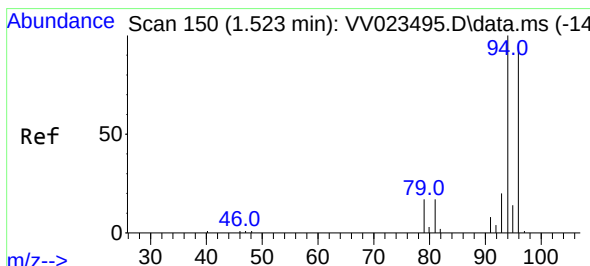
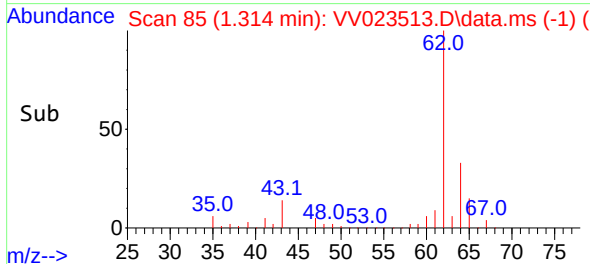
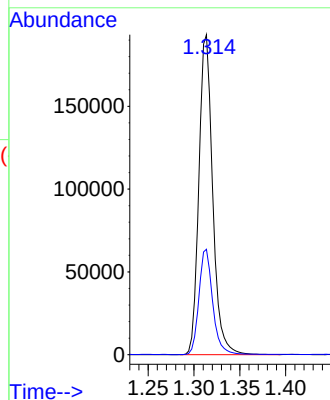
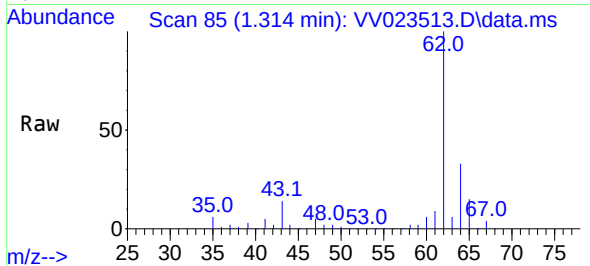




#5  
 Vinyl chloride  
 Concen: 18.231 ug/L  
 RT: 1.314 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV023513.D  
 Acq: 16 Nov 2021 03:30

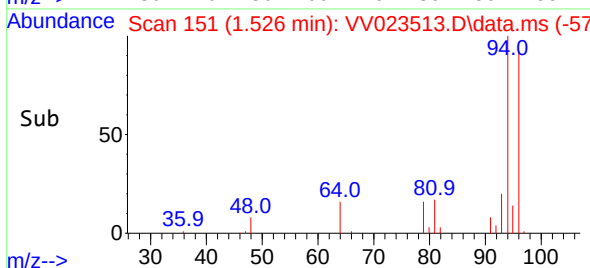
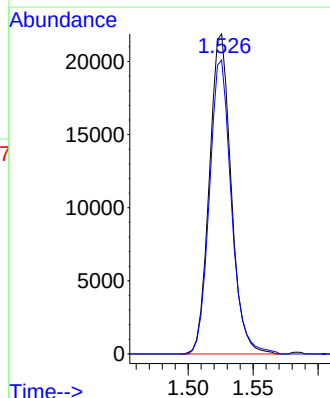
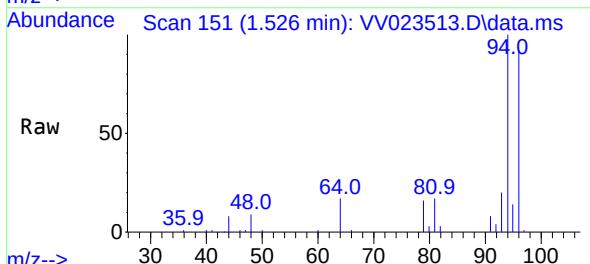
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4651MSD

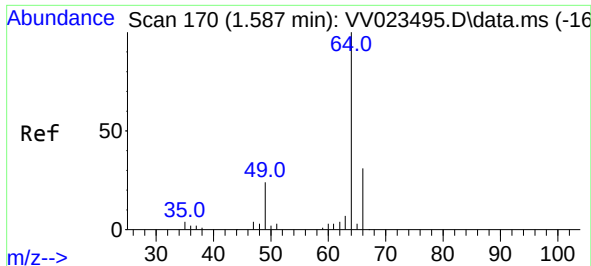
Tgt Ion: 62 Resp: 201774  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 23.1 42.9



#6  
 Bromomethane  
 Concen: 3.602 ug/L  
 RT: 1.526 min Scan# 151  
 Delta R.T. 0.003 min  
 Lab File: VV023513.D  
 Acq: 16 Nov 2021 03:30

Tgt Ion: 94 Resp: 25480  
 Ion Ratio Lower Upper  
 94 100  
 96 91.9 65.0 120.8

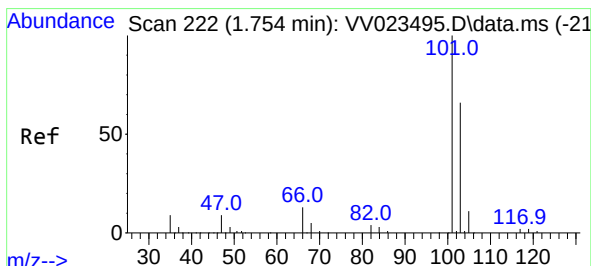
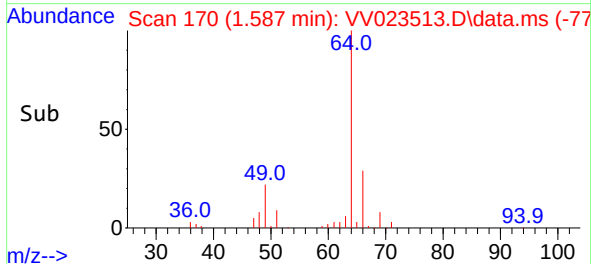
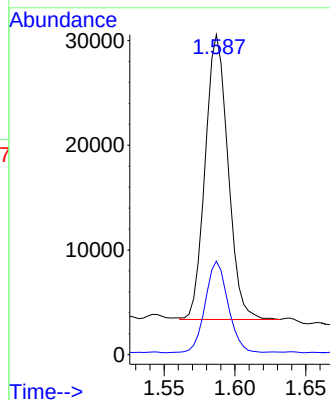
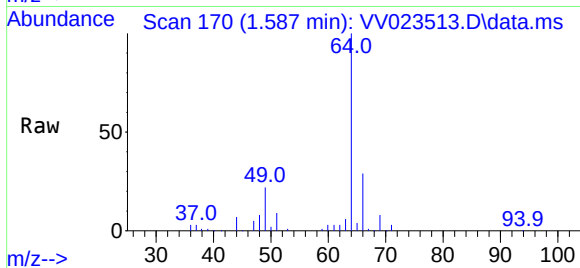




#8  
Chloroethane  
Concen: 4.765 ug/L  
RT: 1.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

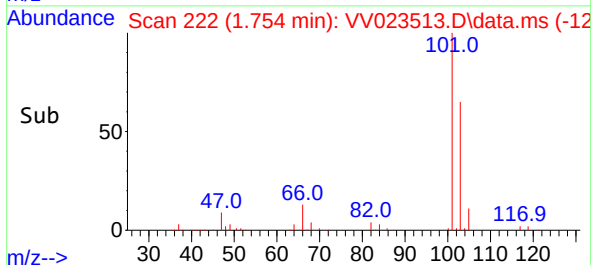
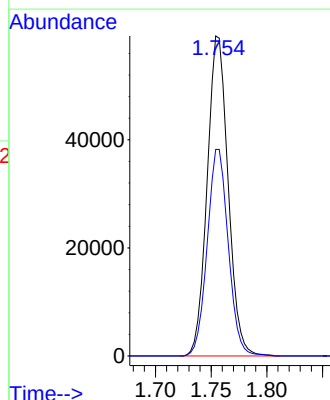
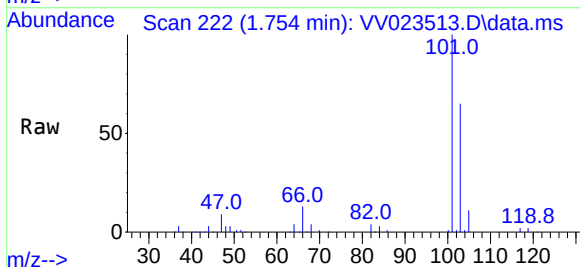
Instrument :  
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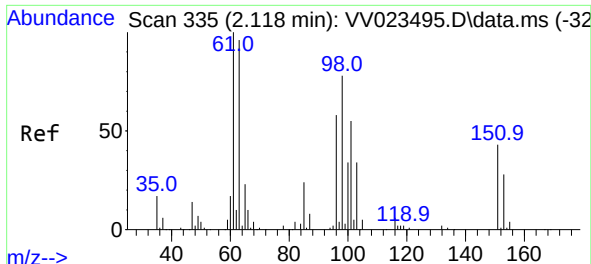
Tgt Ion: 64 Resp: 30431  
Ion Ratio Lower Upper  
64 100  
66 29.2 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 4.667 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion:101 Resp: 77616  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.6 79.0

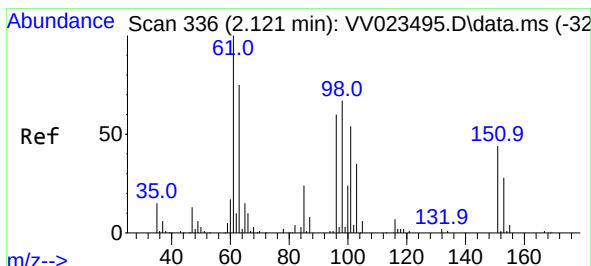
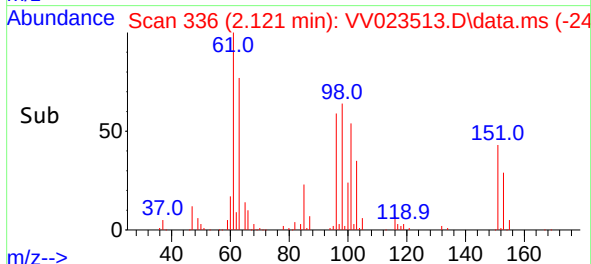
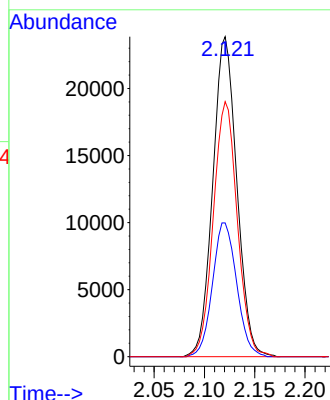
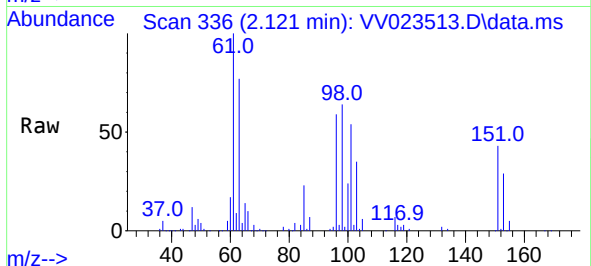




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.743 ug/L  
RT: 2.121 min Scan# 335  
Delta R.T. 0.003 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

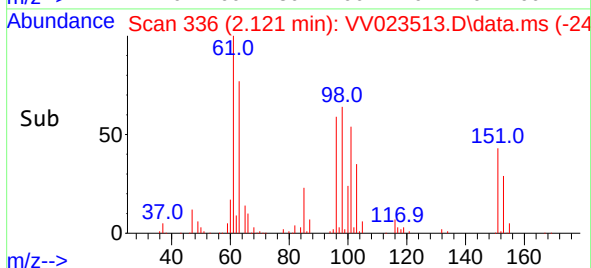
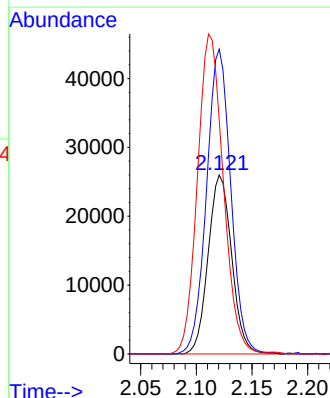
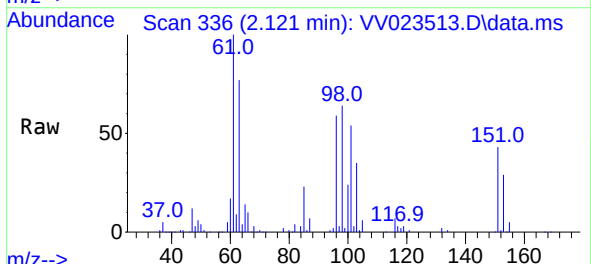
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

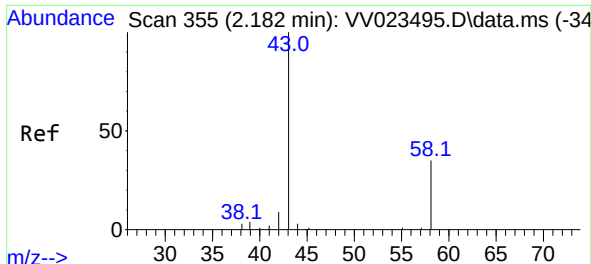
Tgt Ion:101 Resp: 39707  
Ion Ratio Lower Upper  
101 100  
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151 79.4 62.2 93.2



#12  
1,1-Dichloroethene  
Concen: 4.796 ug/L  
RT: 2.121 min Scan# 336  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 96 Resp: 38231  
Ion Ratio Lower Upper  
96 100  
61 170.3 121.5 225.7  
63 130.7 99.6 185.0





#13

Acetone

Concen: 64.836 ug/L

RT: 2.195 min Scan# 3

Delta R.T. 0.013 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

Instrument :

MSVOA\_V

ClientSampleId :

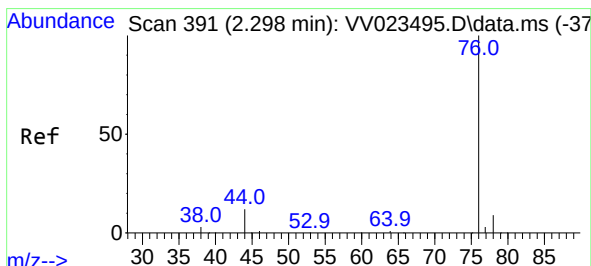
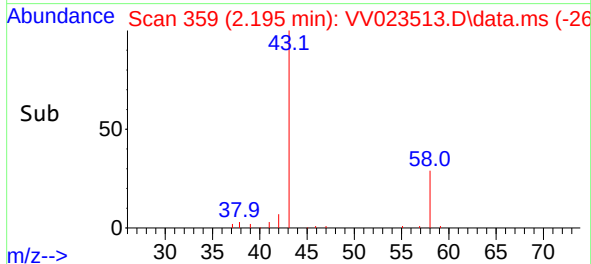
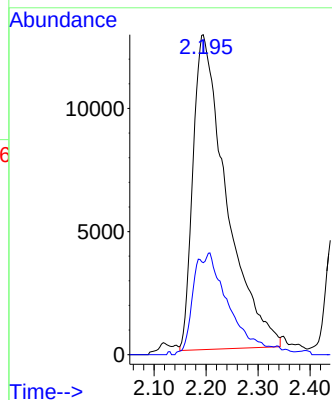
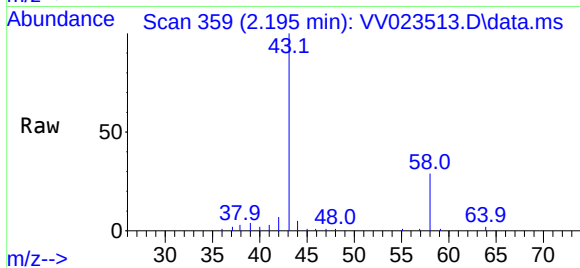
H4651MSD

Tgt Ion: 43 Resp: 57154

Ion Ratio Lower Upper

43 100

58 10.7 0.0 55.4



#14

Carbon disulfide

Concen: 4.198 ug/L

RT: 2.297 min Scan# 391

Delta R.T. -0.000 min

Lab File: VV023513.D

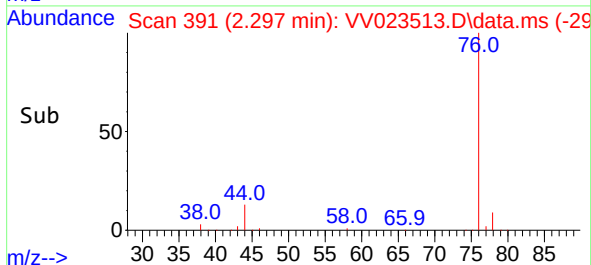
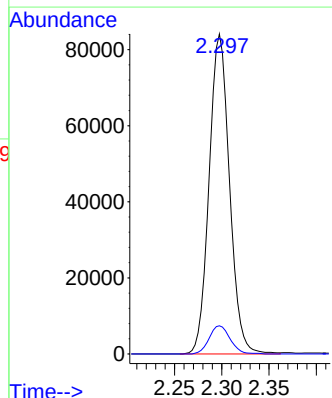
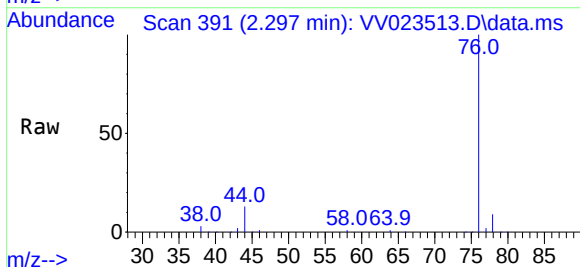
Acq: 16 Nov 2021 03:30

Tgt Ion: 76 Resp: 126279

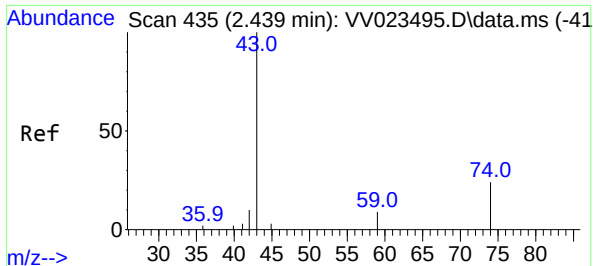
Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



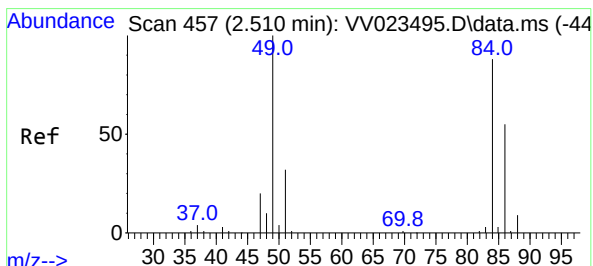
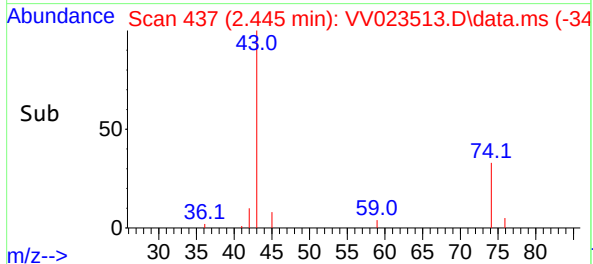
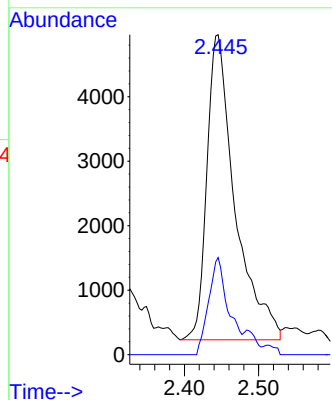
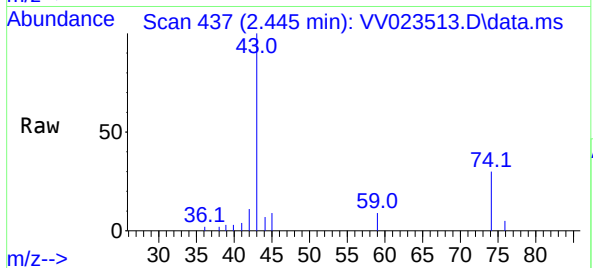




#15  
Methyl Acetate  
Concen: 4.983 ug/L  
RT: 2.445 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

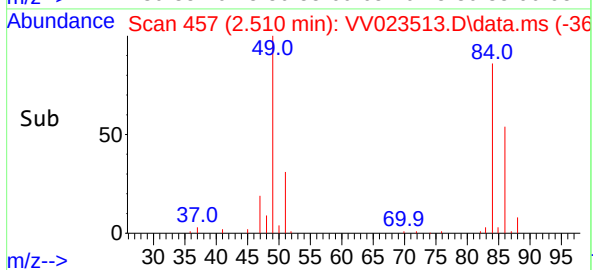
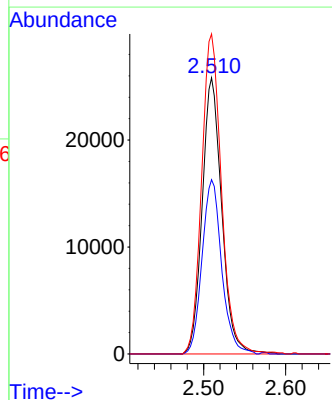
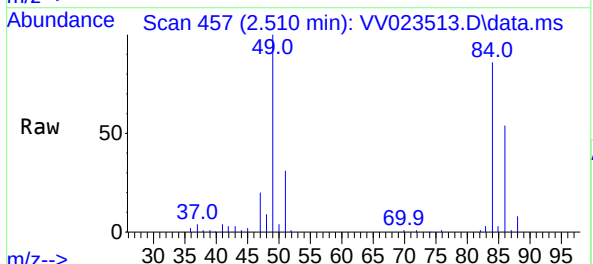
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

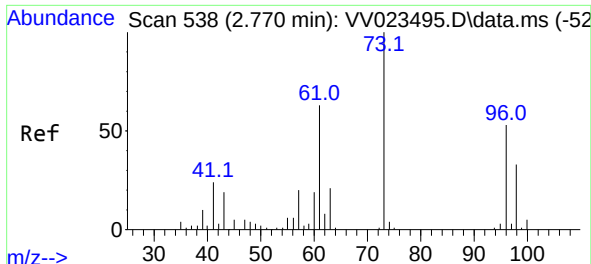
Tgt Ion: 43 Resp: 12431  
Ion Ratio Lower Upper  
43 100  
74 22.3 22.2 33.2



#16  
Methylene chloride  
Concen: 3.666 ug/L  
RT: 2.510 min Scan# 457  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 84 Resp: 42647  
Ion Ratio Lower Upper  
84 100  
86 63.1 42.3 78.5  
49 115.9 79.7 148.1

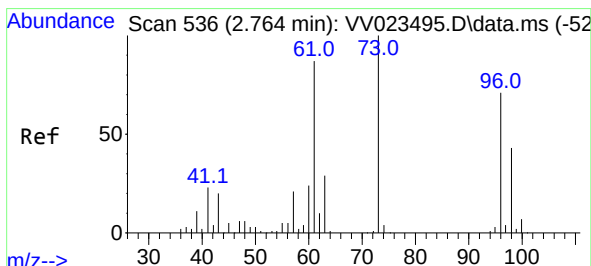
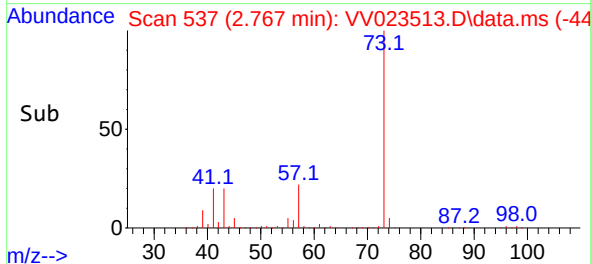
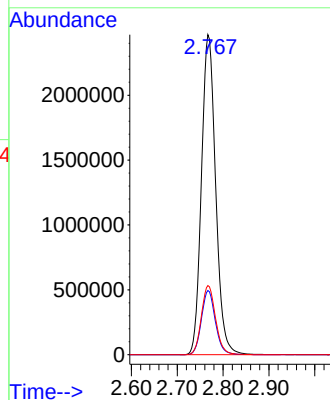
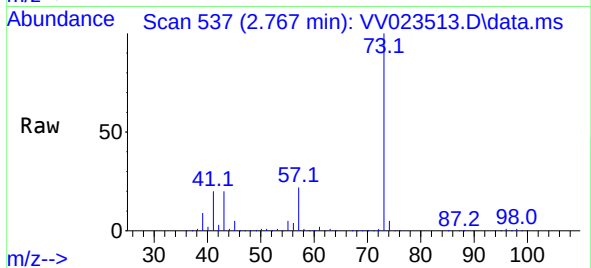




#17  
Methyl tert-butyl Ether  
Concen: 302.266 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

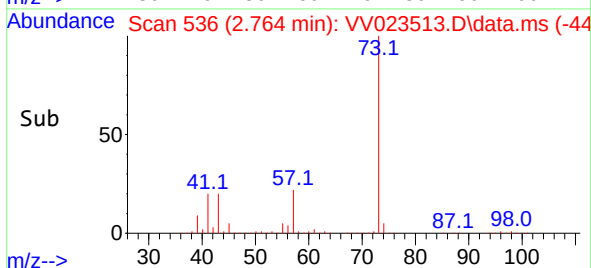
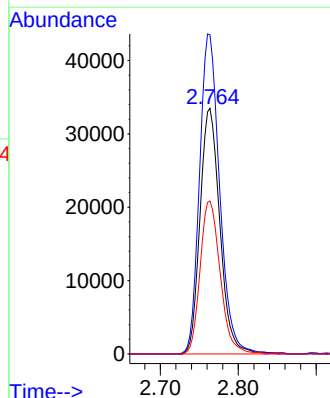
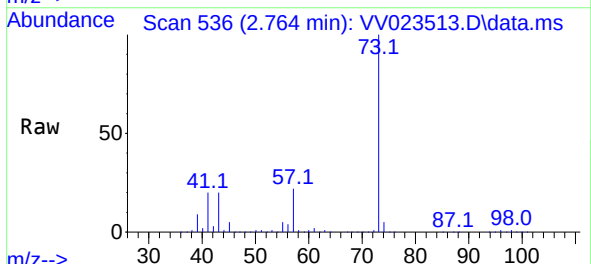
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

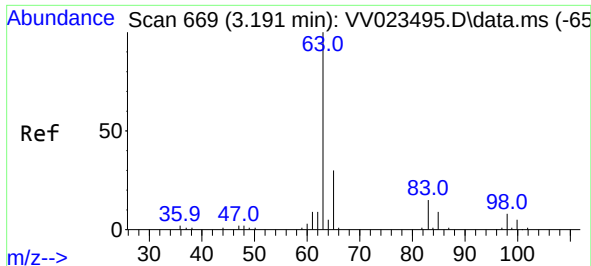
Tgt Ion: 73 Resp: 5303773  
Ion Ratio Lower Upper  
73 100  
43 19.6 17.4 26.0  
57 21.6 16.5 24.7



#18  
trans-1,2-Dichloroethene  
Concen: 6.056 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 96 Resp: 59344  
Ion Ratio Lower Upper  
96 100  
61 130.0 93.2 173.2  
98 62.3 47.0 87.2

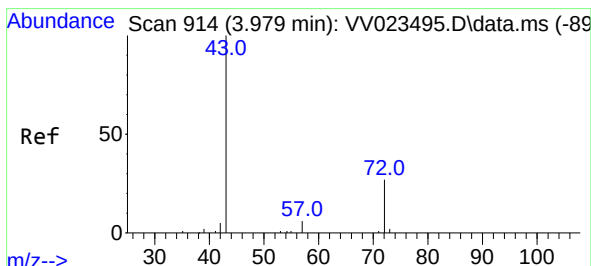
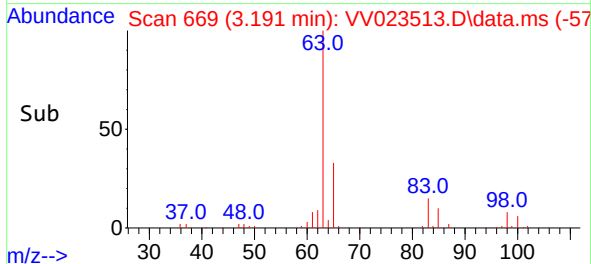
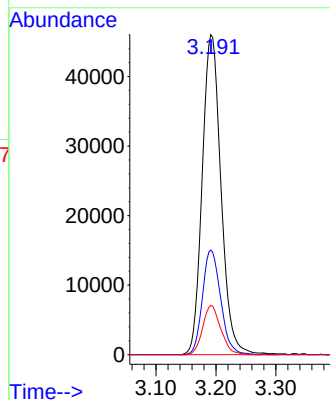
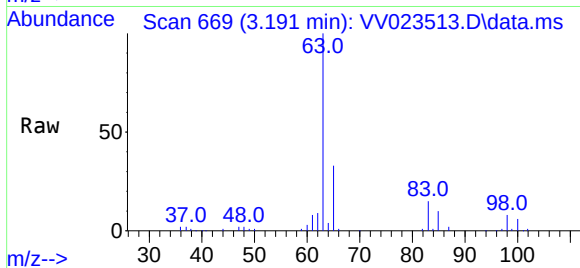




#19  
1,1-Dichloroethane  
Concen: 6.079 ug/L  
RT: 3.191 min Scan# 60  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

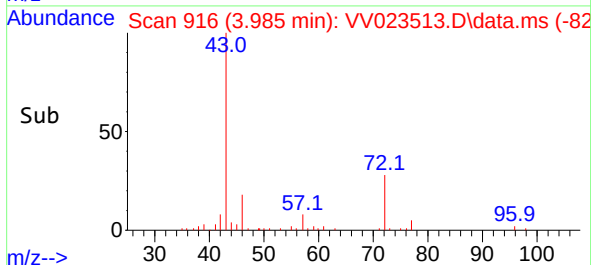
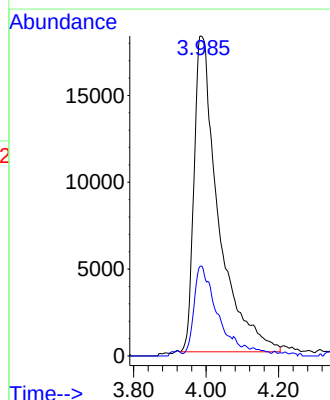
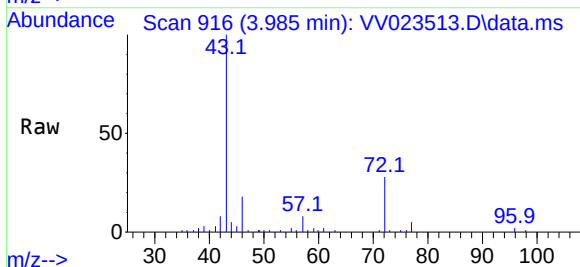
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

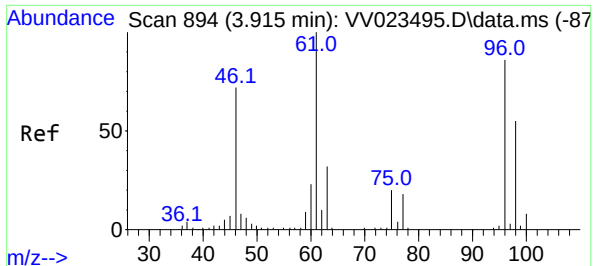
Tgt Ion: 63 Resp: 100566  
Ion Ratio Lower Upper  
63 100  
65 32.7 22.6 42.0  
83 15.4 11.1 20.7



#21  
2-Butanone  
Concen: 59.550 ug/L  
RT: 3.985 min Scan# 916  
Delta R.T. 0.006 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 43 Resp: 84870  
Ion Ratio Lower Upper  
43 100  
72 23.9 11.9 35.9

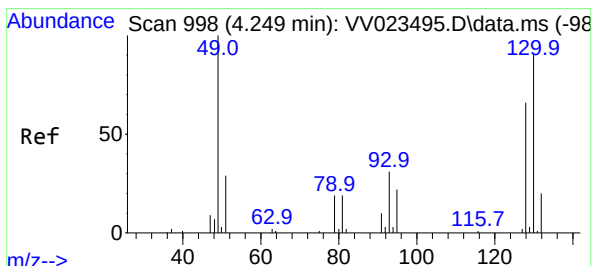
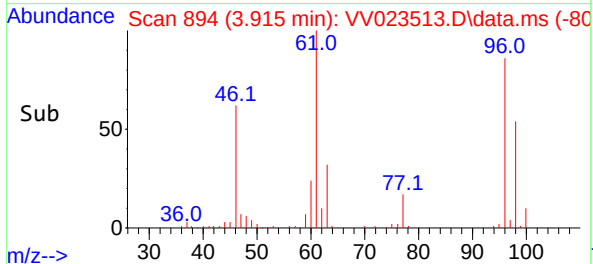
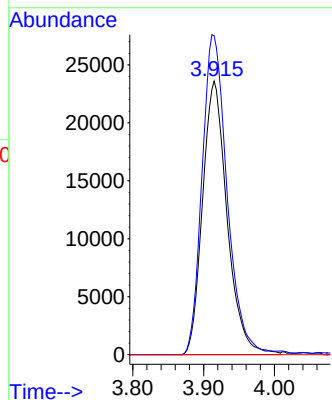
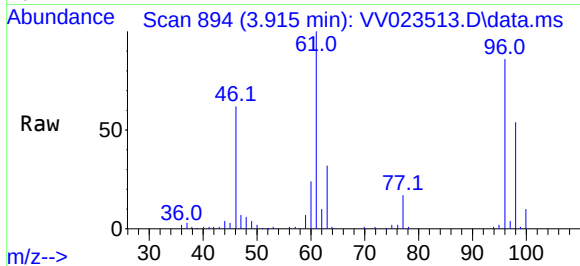




#22  
cis-1,2-Dichloroethene  
Concen: 6.025 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

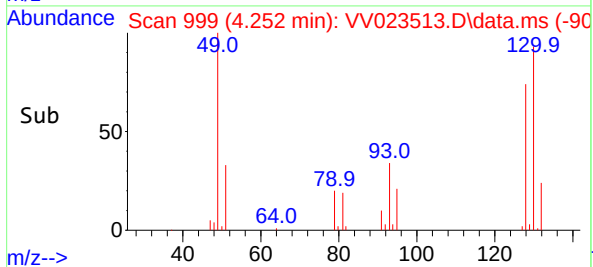
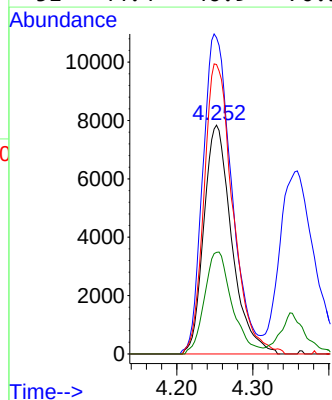
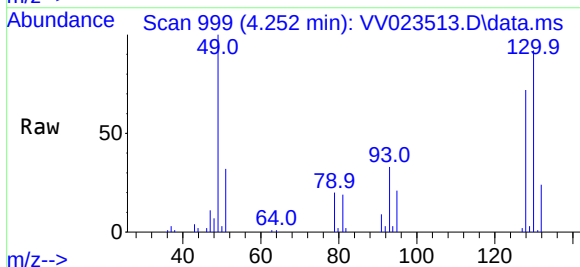
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

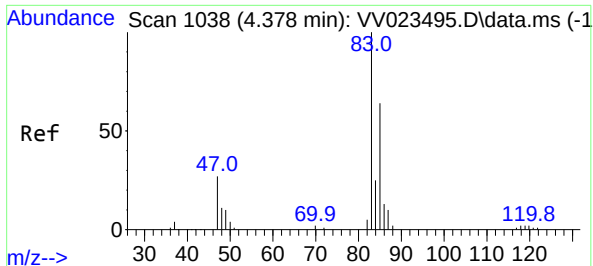
Tgt Ion: 96 Resp: 56817  
Ion Ratio Lower Upper  
96 100  
61 116.6 92.3 171.3  
68 0.0 0.4 0.8#



#23  
Bromochloromethane  
Concen: 4.595 ug/L  
RT: 4.252 min Scan# 999  
Delta R.T. 0.003 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion:128 Resp: 19982  
Ion Ratio Lower Upper  
128 100  
49 138.2 126.1 234.3  
130 126.5 95.2 176.8  
51 44.4 46.9 70.3#





#25

Chloroform

Concen: 4.509 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

Instrument :

MSVOA\_V

ClientSampleId :

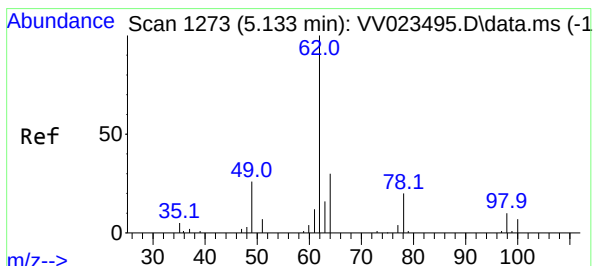
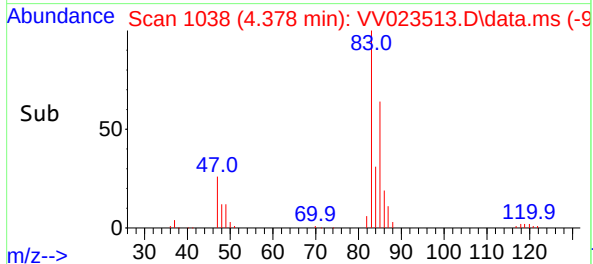
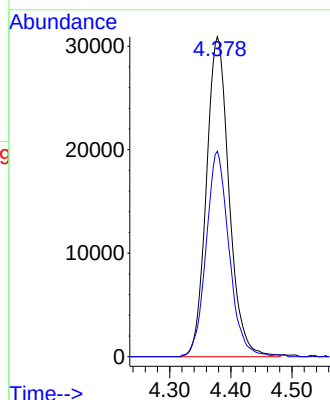
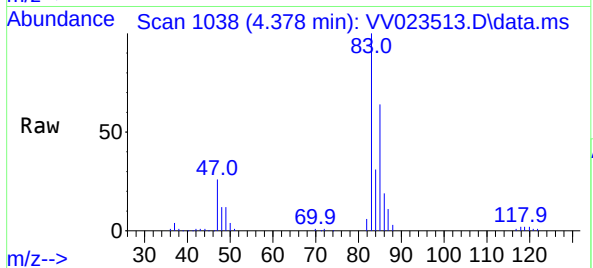
H4651MSD

Tgt Ion: 83 Resp: 79515

Ion Ratio Lower Upper

83 100

85 64.2 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.839 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VV023513.D

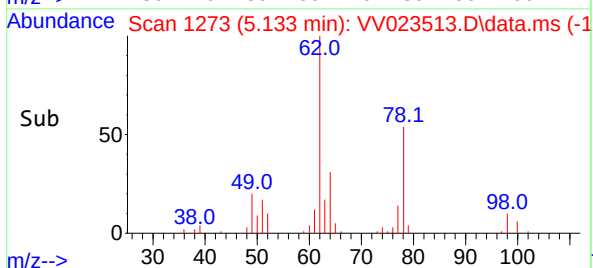
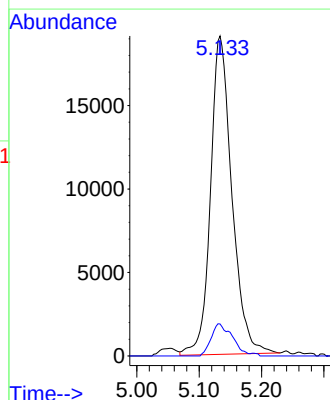
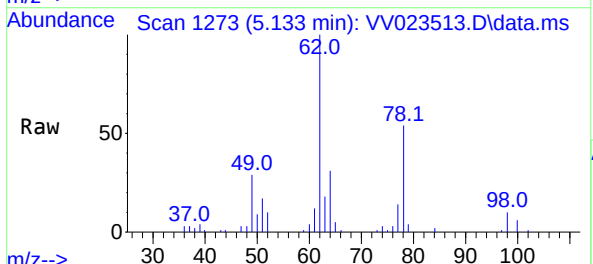
Acq: 16 Nov 2021 03:30

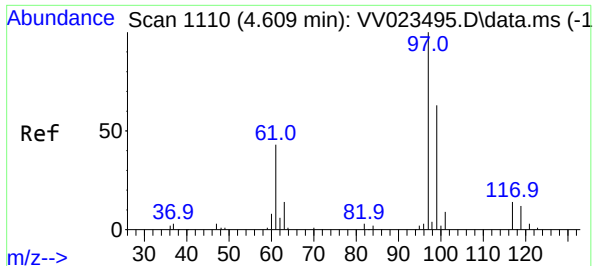
Tgt Ion: 62 Resp: 45392

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.532 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

Instrument :

MSVOA\_V

ClientSampleId :

H4651MSD

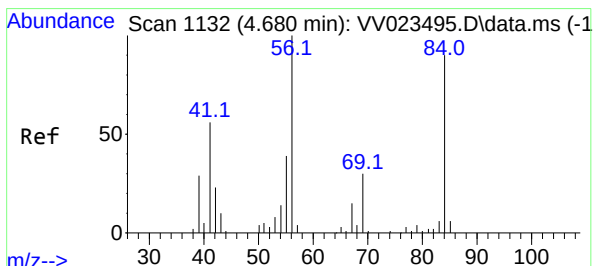
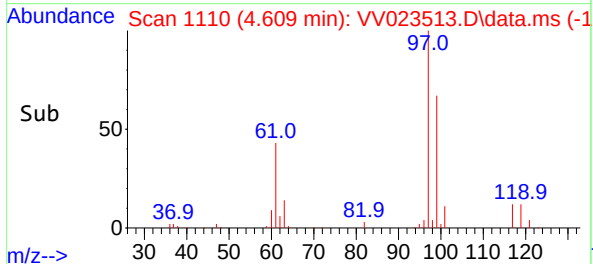
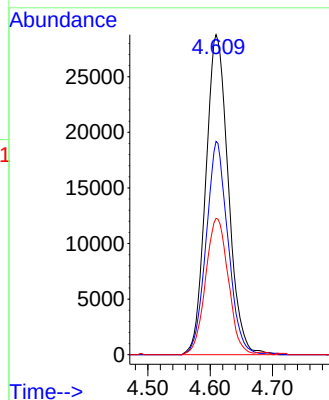
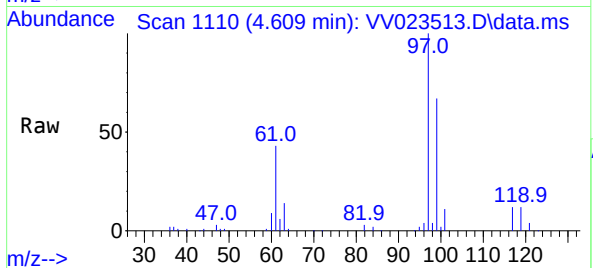
Tgt Ion: 97 Resp: 72240

Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 43.0 34.1 51.1



#30

Cyclohexane

Concen: 4.350 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

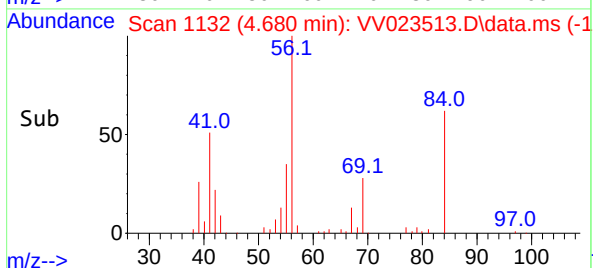
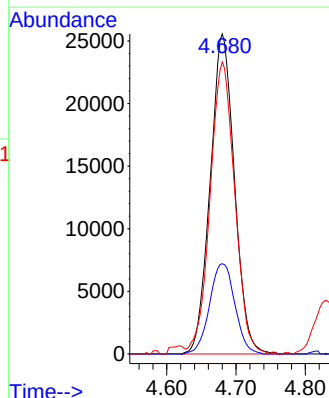
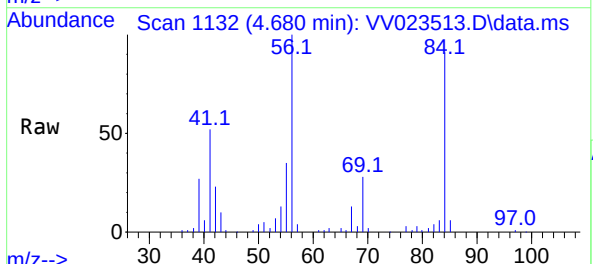
Tgt Ion: 56 Resp: 62136

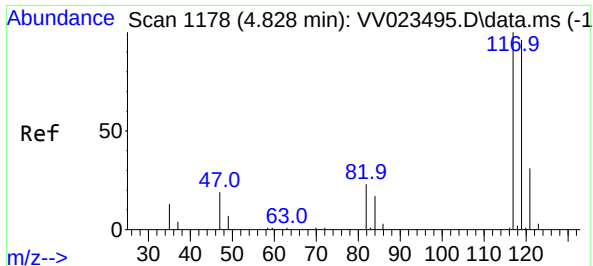
Ion Ratio Lower Upper

56 100

69 29.4 23.5 35.3

84 92.4 71.6 107.4

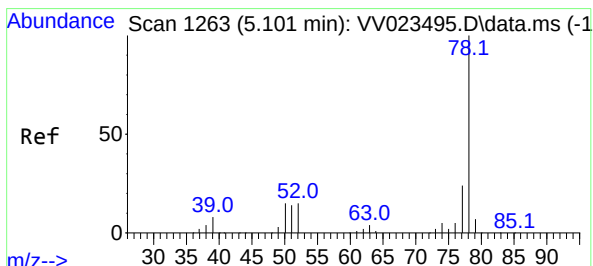
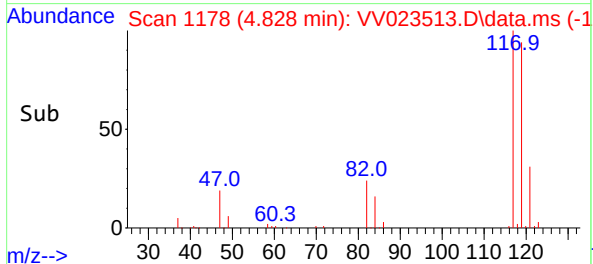
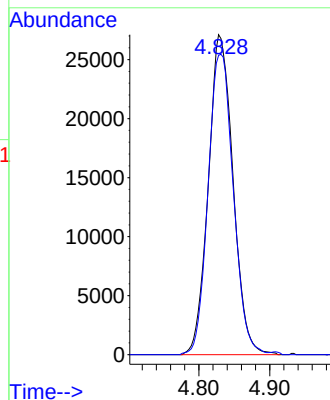
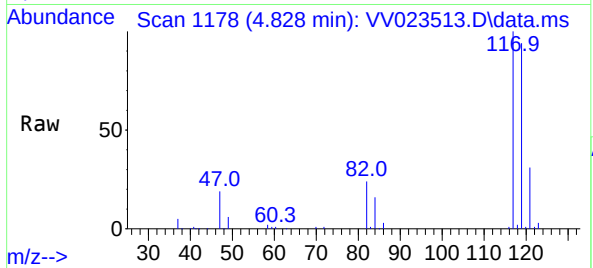




#31  
Carbon tetrachloride  
Concen: 4.585 ug/L  
RT: 4.828 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

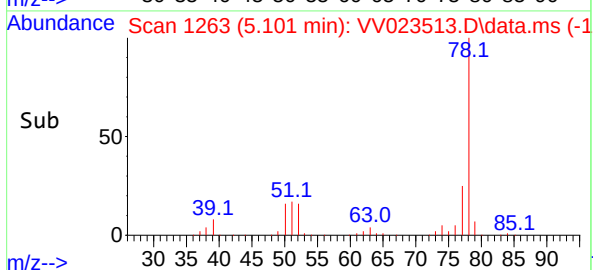
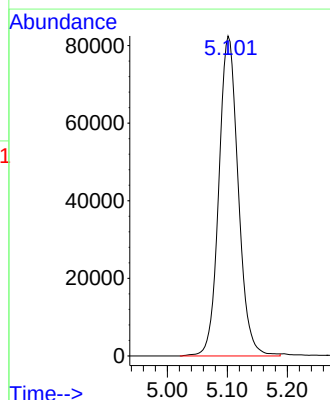
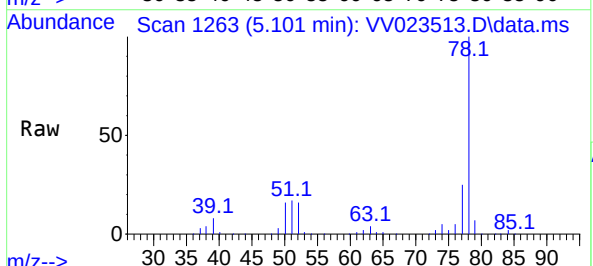
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

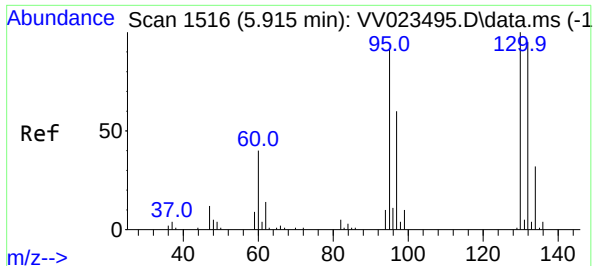
Tgt Ion:117 Resp: 65639  
Ion Ratio Lower Upper  
117 100  
119 96.0 78.8 118.2



#33  
Benzene  
Concen: 5.038 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 78 Resp: 184801

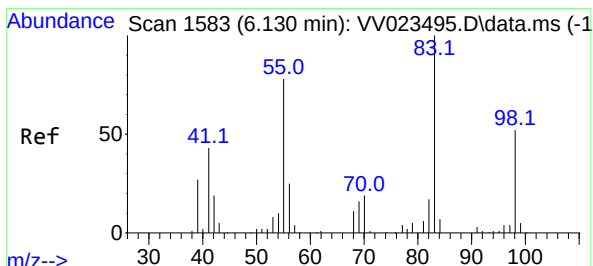
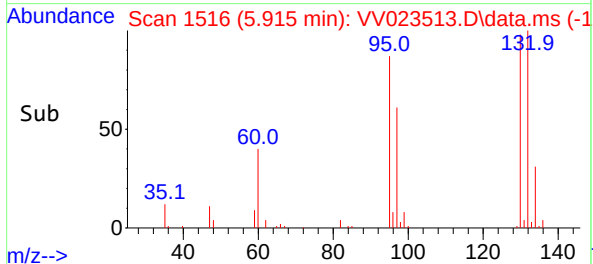
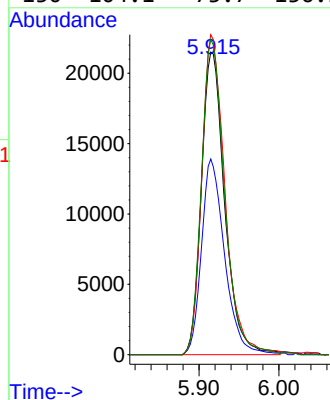
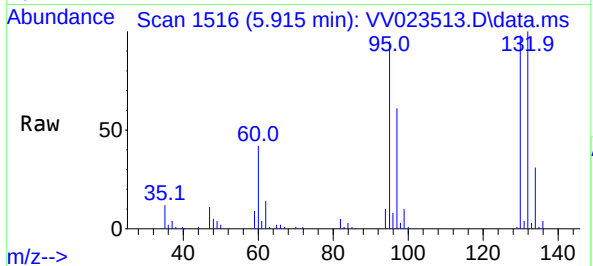




#34  
Trichloroethene  
Concen: 4.470 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

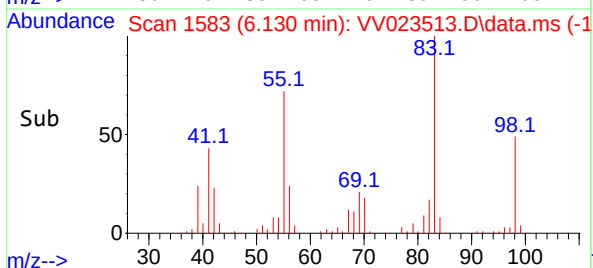
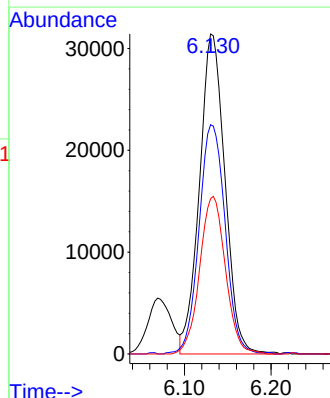
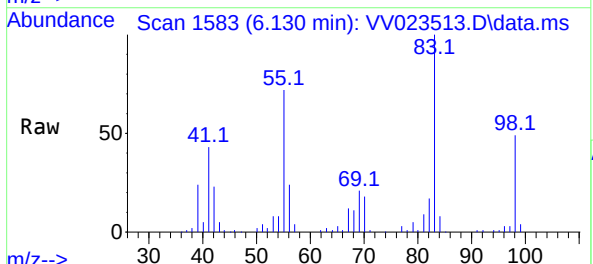
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

Tgt Ion: 95 Resp: 43602  
Ion Ratio Lower Upper  
95 100  
97 64.7 45.0 83.6  
132 105.8 69.7 129.4  
130 104.1 73.7 136.9

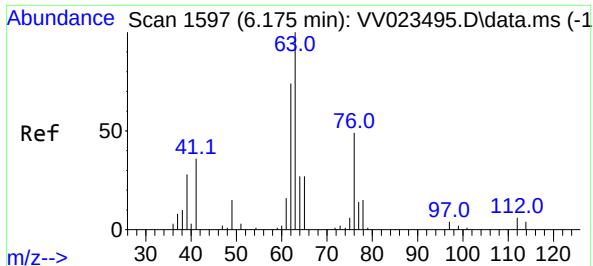


#35  
Methylcyclohexane  
Concen: 4.178 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 83 Resp: 64337  
Ion Ratio Lower Upper  
83 100  
55 73.4 62.8 94.2  
98 49.8 37.9 56.9



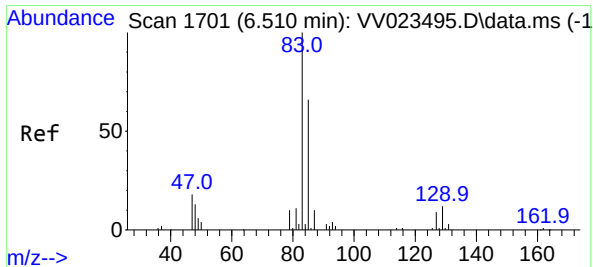
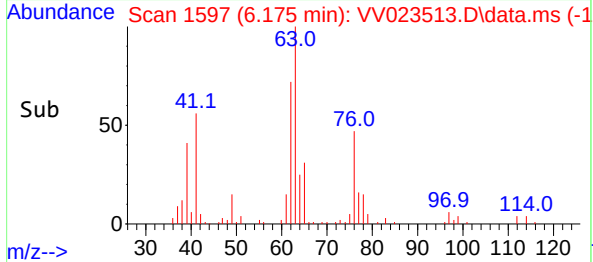
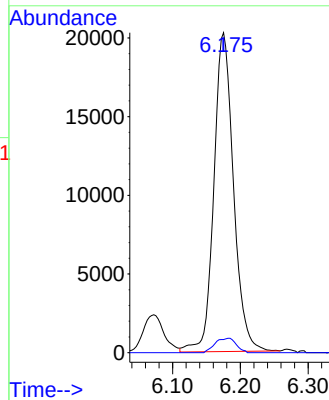
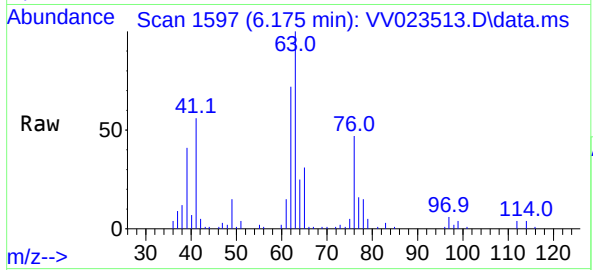




#37  
1,2-Dichloropropane  
Concen: 4.768 ug/L  
RT: 6.175 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

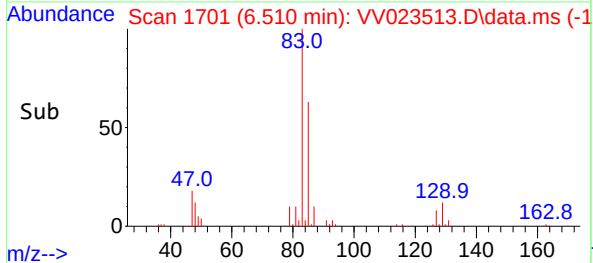
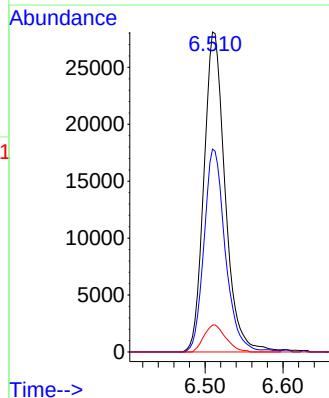
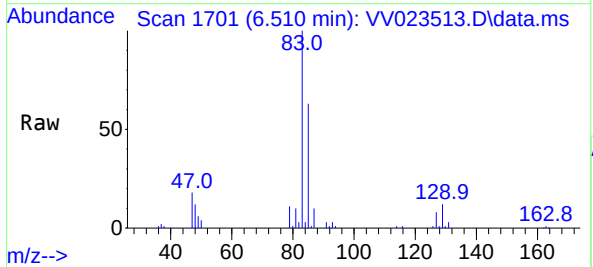
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

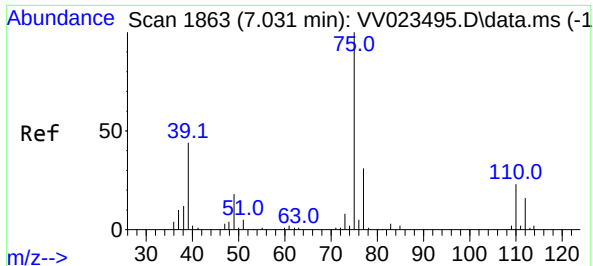
Tgt Ion: 63 Resp: 40834  
Ion Ratio Lower Upper  
63 100  
112 4.9 4.6 6.8



#38  
Bromodichloromethane  
Concen: 4.635 ug/L  
RT: 6.510 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 83 Resp: 53195  
Ion Ratio Lower Upper  
83 100  
85 63.4 46.1 85.7  
127 8.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.354 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. -0.003 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

Instrument :

MSVOA\_V

ClientSampleId :

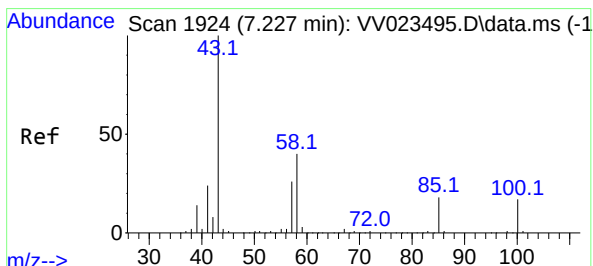
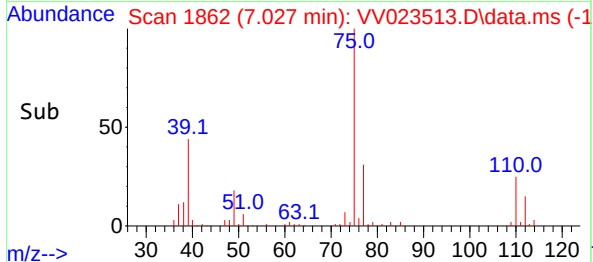
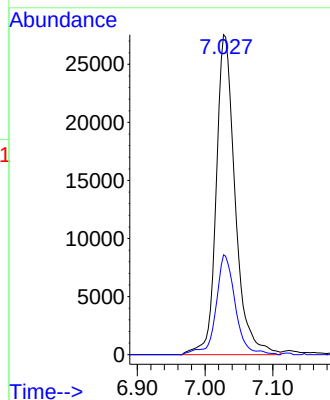
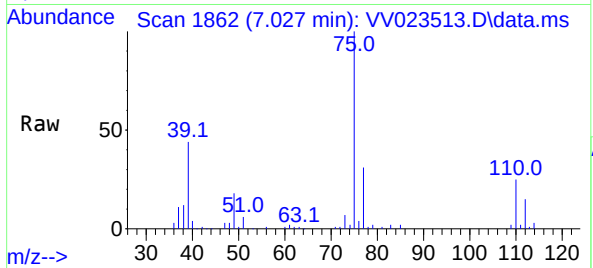
H4651MSD

Tgt Ion: 75 Resp: 53634

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 53.157 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

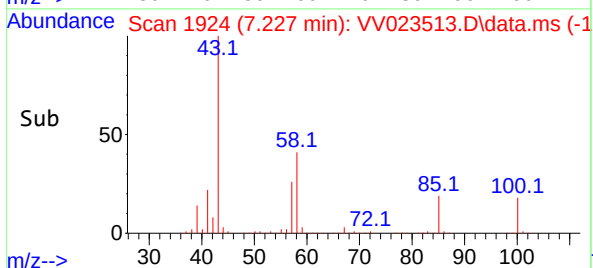
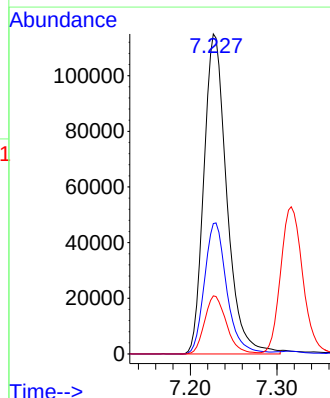
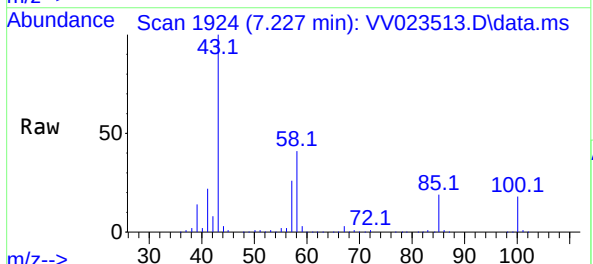
Tgt Ion: 43 Resp: 211137

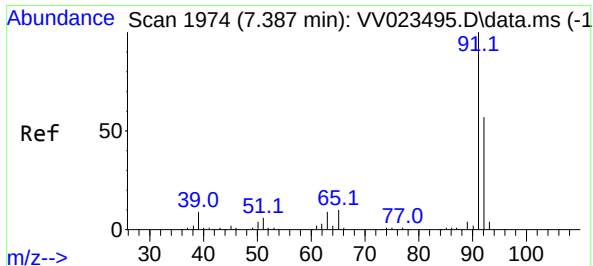
Ion Ratio Lower Upper

43 100

58 40.1 31.1 46.7

100 17.3 12.6 19.0

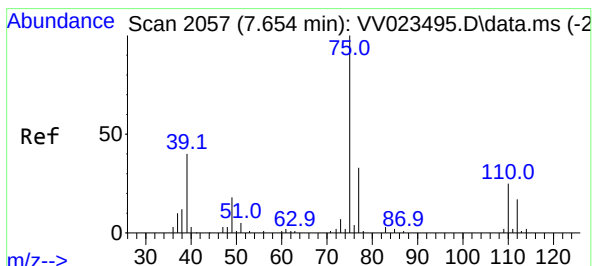
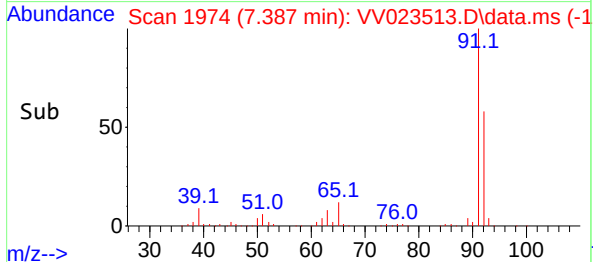
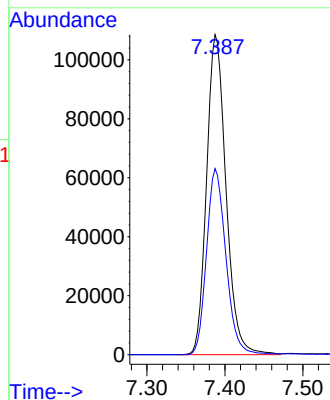
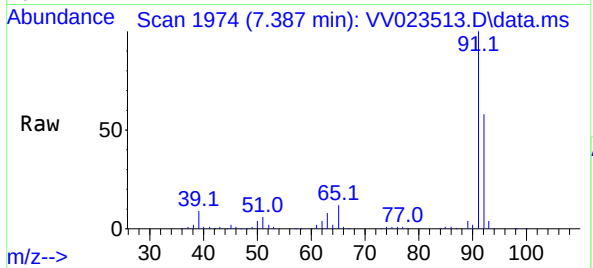




#42  
Toluene  
Concen: 4.785 ug/L  
RT: 7.387 min Scan# 1974  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

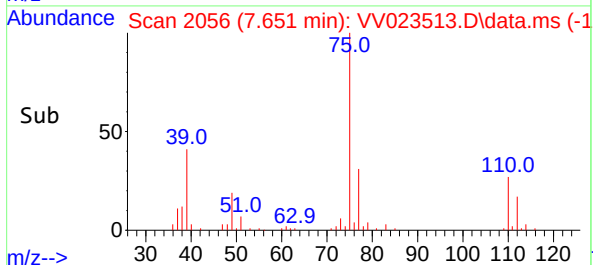
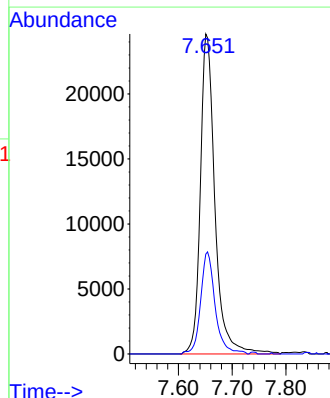
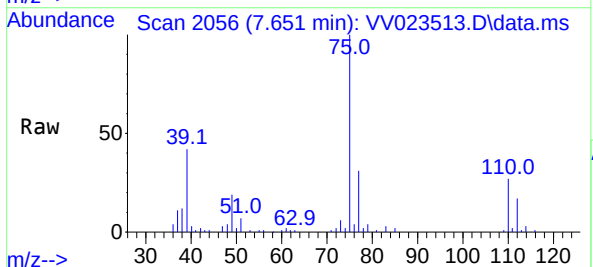
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

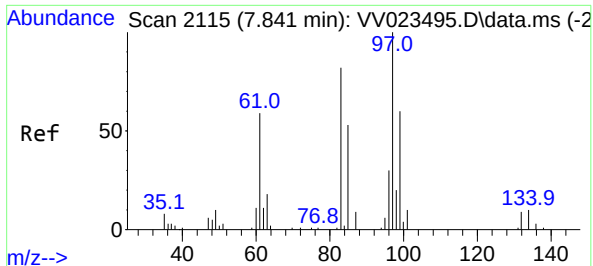
Tgt Ion: 91 Resp: 187759  
Ion Ratio Lower Upper  
91 100  
92 58.1 39.3 72.9



#44  
trans-1,3-Dichloropropene  
Concen: 4.540 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. -0.003 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 75 Resp: 46397  
Ion Ratio Lower Upper  
75 100  
77 31.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.693 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

Instrument :

MSVOA\_V

ClientSampleId :

H4651MSD

Tgt Ion: 97 Resp: 28880

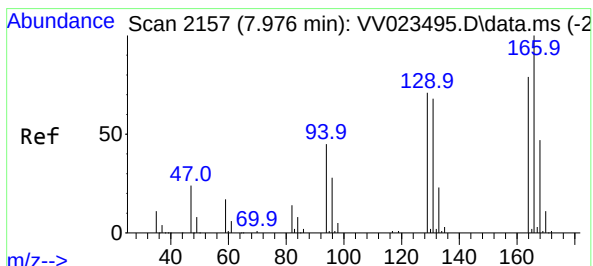
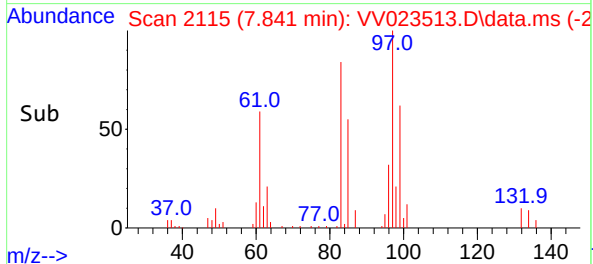
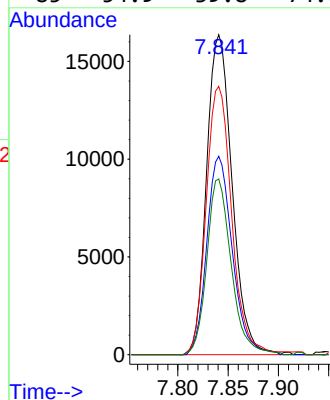
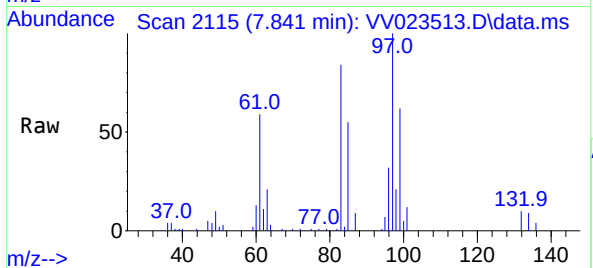
Ion Ratio Lower Upper

97 100

99 62.0 43.6 81.0

83 83.9 58.4 108.4

85 54.9 39.8 74.0



#47

Tetrachloroethene

Concen: 4.443 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

Tgt Ion:164 Resp: 37563

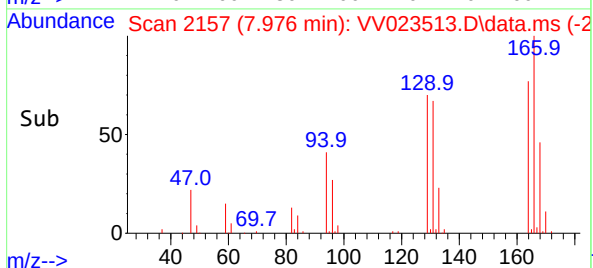
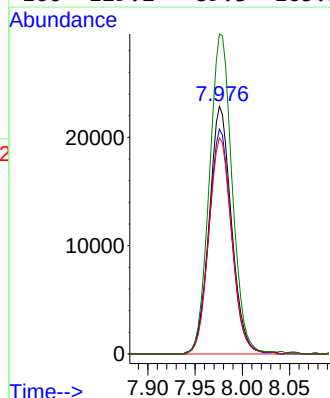
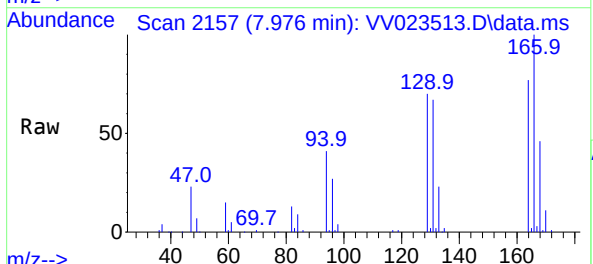
Ion Ratio Lower Upper

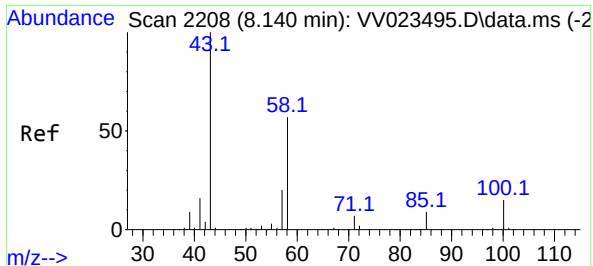
164 100

129 90.8 64.0 119.0

131 87.2 63.4 117.8

166 129.2 89.3 165.9

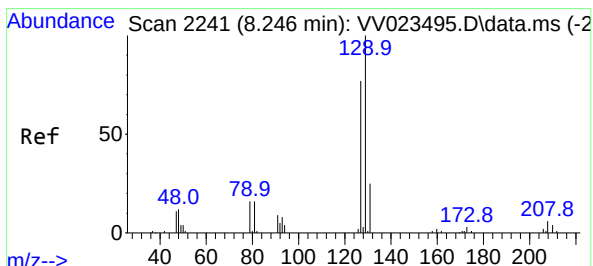
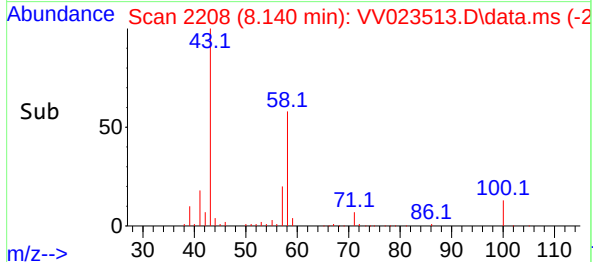
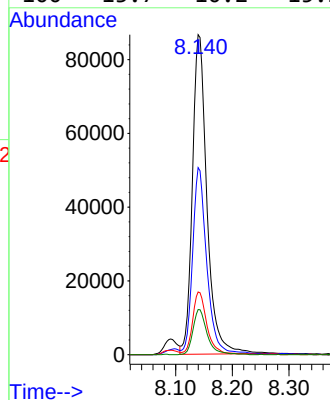
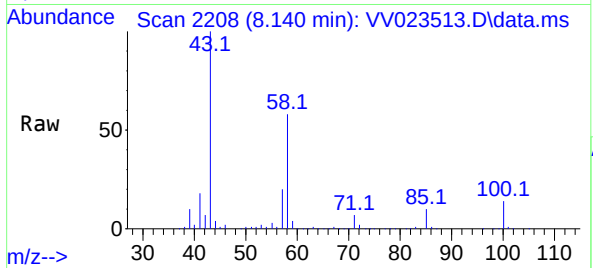




#48  
2-Hexanone  
Concen: 55.602 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

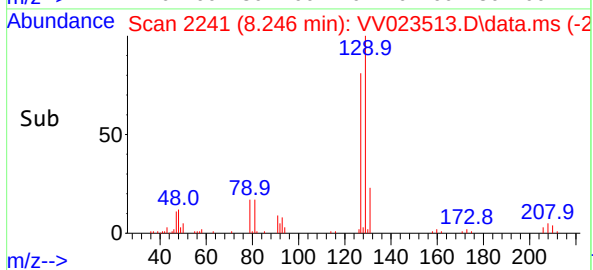
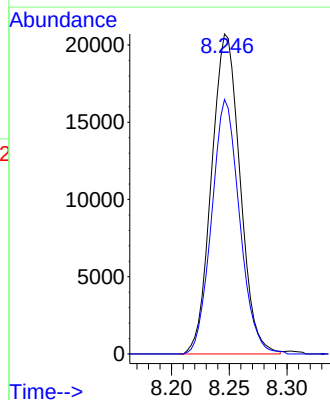
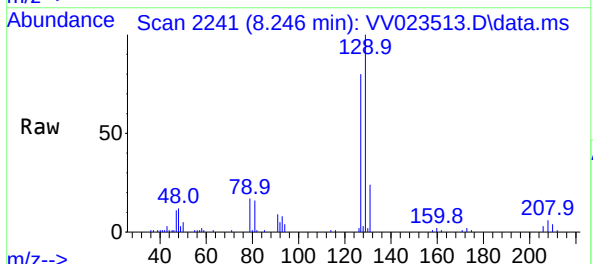
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

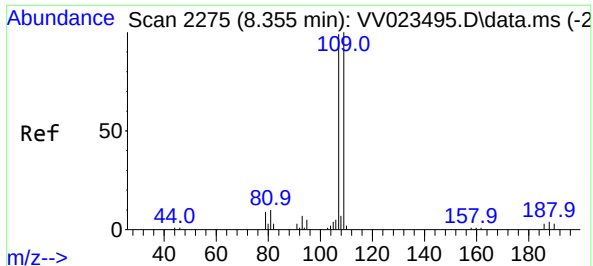
Tgt Ion: 43 Resp: 154751  
Ion Ratio Lower Upper  
43 100  
58 56.9 43.7 65.5  
57 19.1 14.1 21.1  
100 13.7 10.2 15.2



#49  
Dibromochloromethane  
Concen: 4.570 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 129 Resp: 35635  
Ion Ratio Lower Upper  
129 100  
127 79.5 54.7 101.7





#50

1,2-Dibromoethane

Concen: 4.609 ug/L

RT: 8.355 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

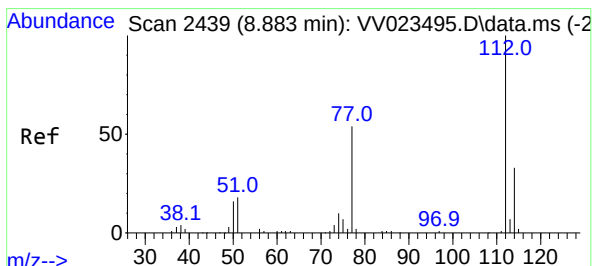
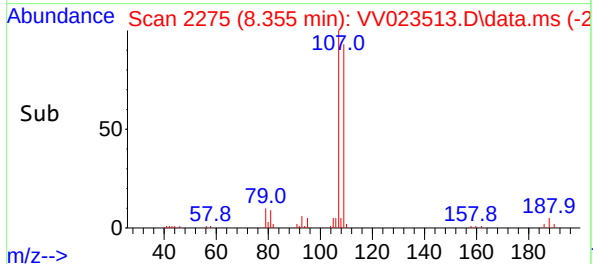
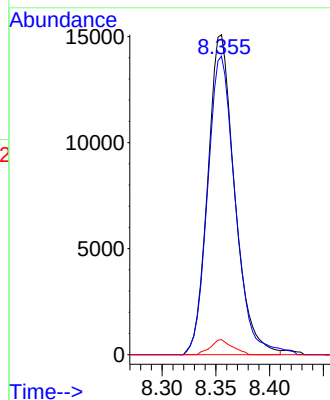
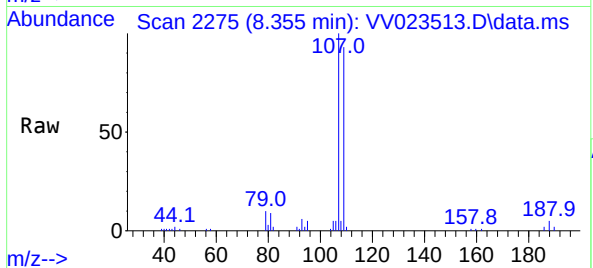
Instrument :

MSVOA\_V

ClientSampleId :

H4651MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 26285 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 93.3  | 64.7  | 120.1 |
| 188      | 4.7   | 3.6   | 5.4   |



#51

Chlorobenzene

Concen: 4.528 ug/L

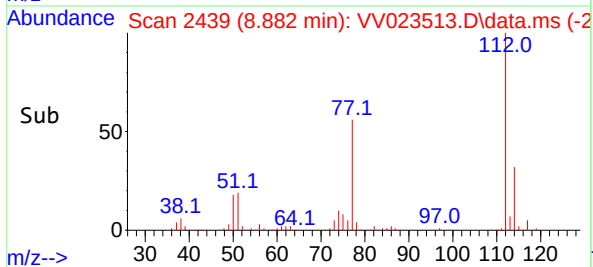
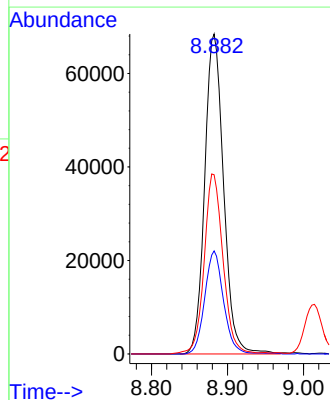
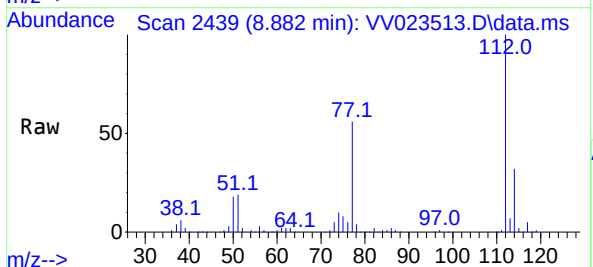
RT: 8.882 min Scan# 2439

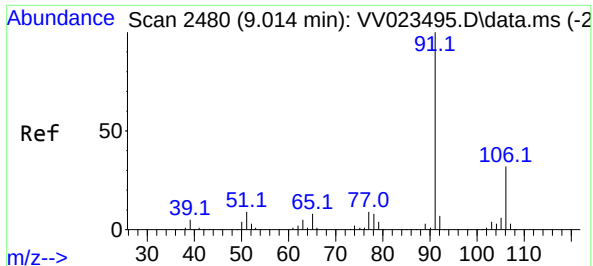
Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 118100 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.2  | 22.0  | 40.8   |
| 77       | 56.0  | 44.4  | 66.6   |





#52

Ethylbenzene

Concen: 4.589 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. -0.000 min

Lab File: VV023513.D

Acq: 16 Nov 2021 03:30

Instrument :

MSVOA\_V

ClientSampleId :

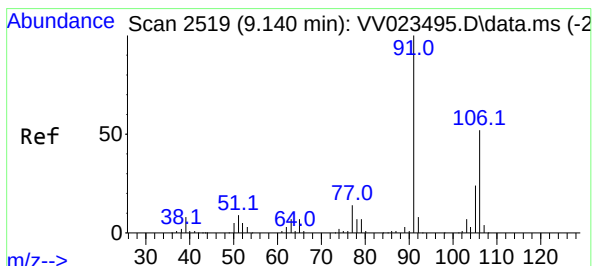
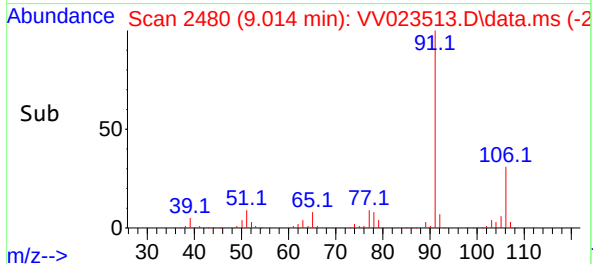
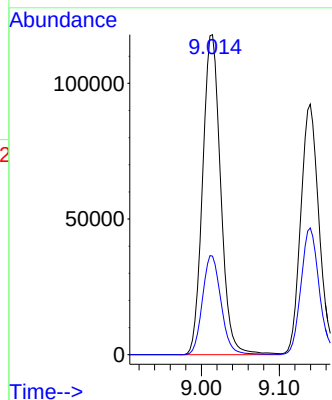
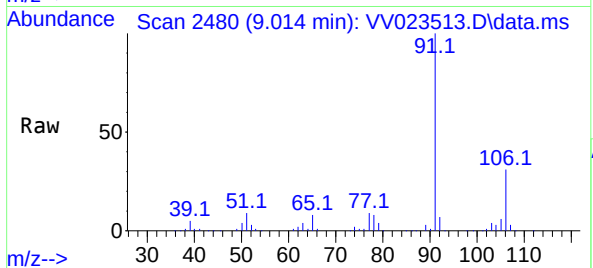
H4651MSD

Tgt Ion: 91 Resp: 189929

Ion Ratio Lower Upper

91 100

106 30.8 22.5 41.9



#53

m,p-xylene

Concen: 4.659 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. -0.000 min

Lab File: VV023513.D

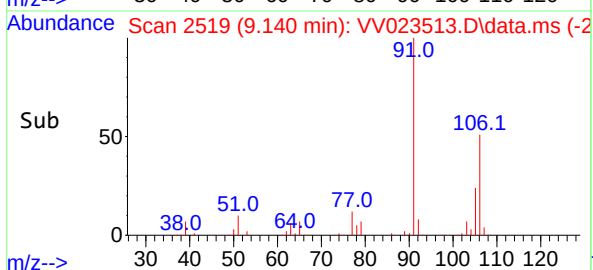
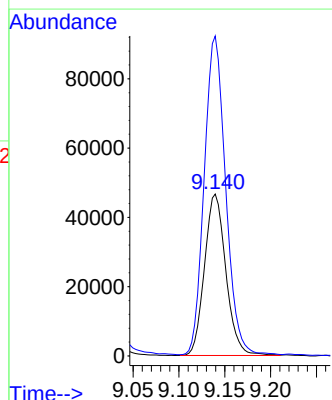
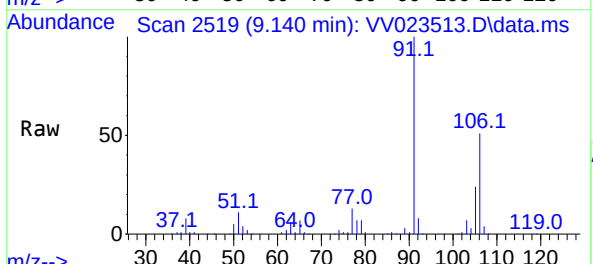
Acq: 16 Nov 2021 03:30

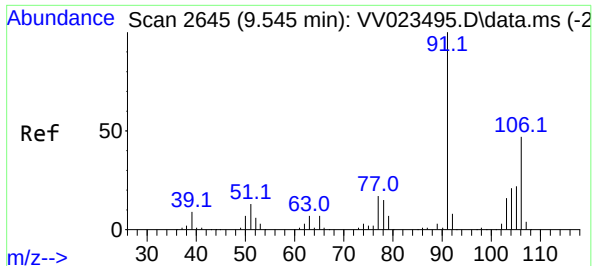
Tgt Ion: 106 Resp: 75663

Ion Ratio Lower Upper

106 100

91 197.7 137.2 254.8

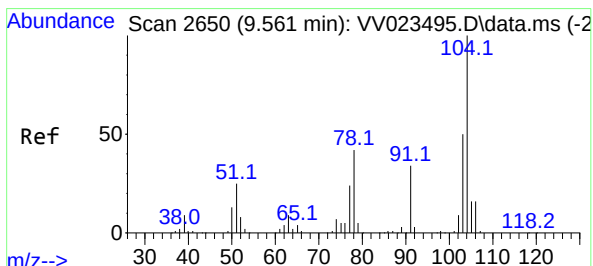
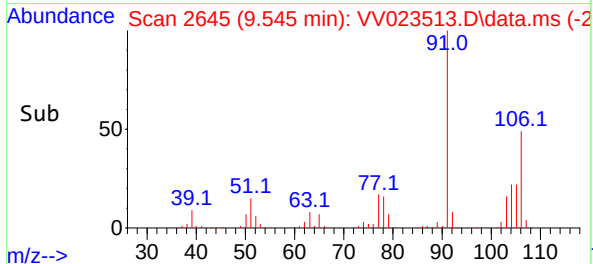
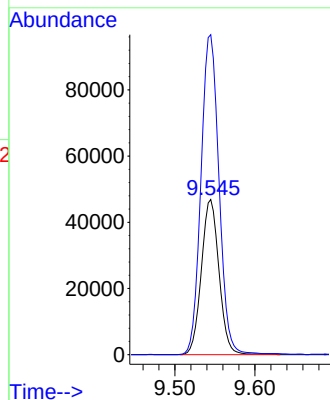
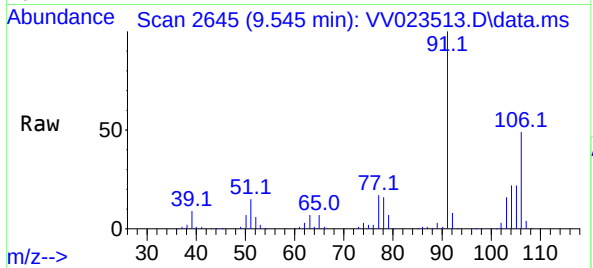




#54  
o-xylene  
Concen: 4.733 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

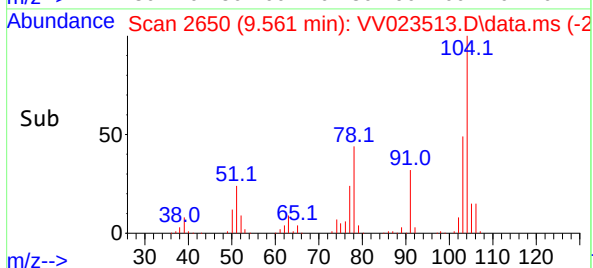
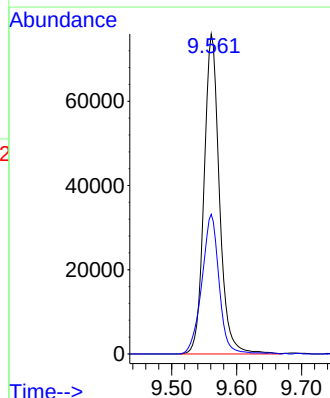
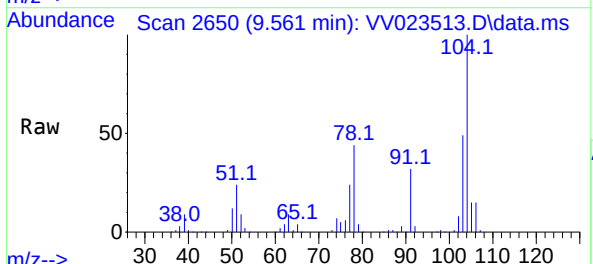
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

Tgt Ion:106 Resp: 72112  
Ion Ratio Lower Upper  
106 100  
91 206.1 148.3 275.5

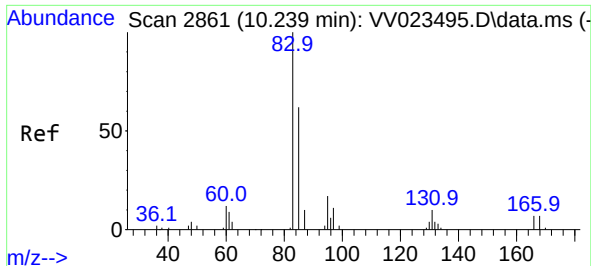


#55  
Styrene  
Concen: 4.810 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion:104 Resp: 125559  
Ion Ratio Lower Upper  
104 100  
78 43.6 29.3 54.3





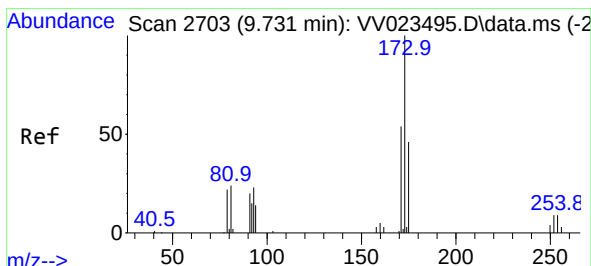
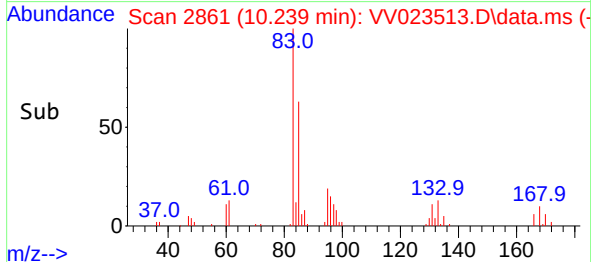
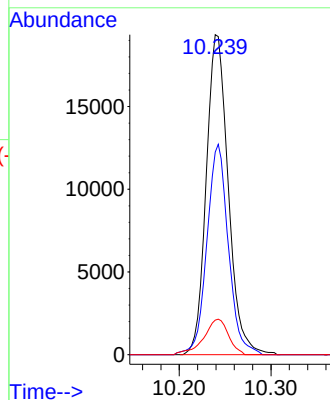
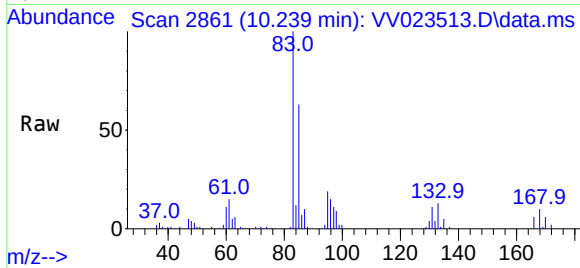


#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.789 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

Tgt Ion: 83 Resp: 32287

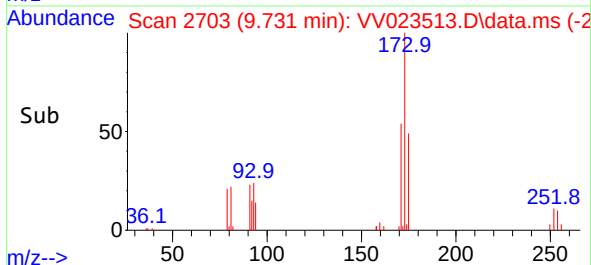
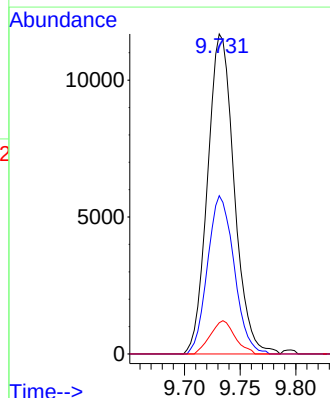
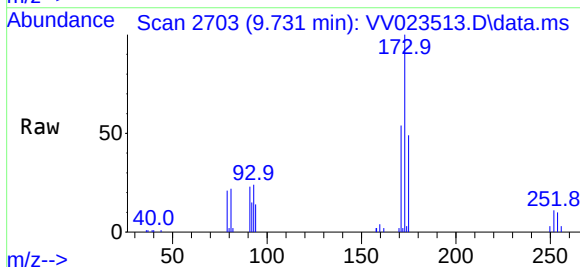
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 63.3  | 45.1  | 83.9  |
| 131 | 10.8  | 7.8   | 11.6  |

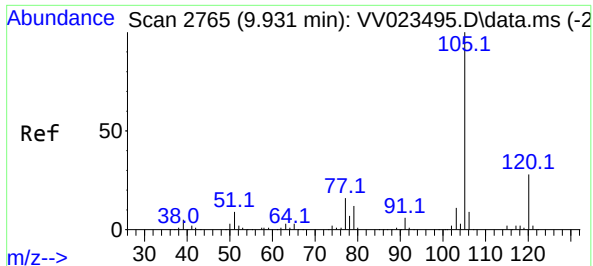


#59  
Bromoform  
Concen: 4.533 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 173 Resp: 19399

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 49.4  | 38.2  | 57.2  |
| 254 | 9.6   | 6.2   | 9.2   |

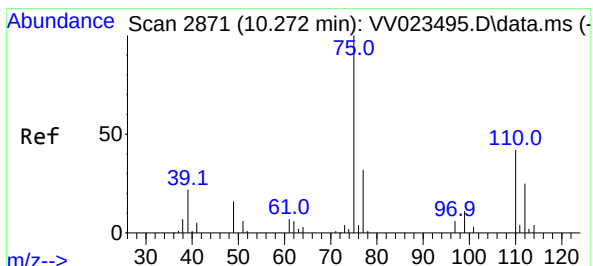
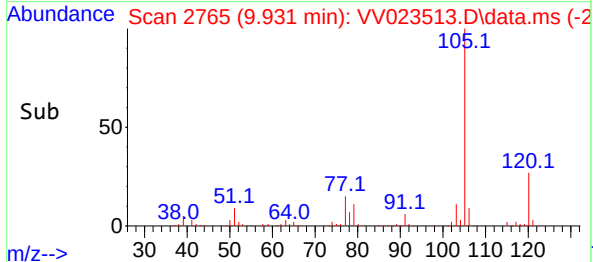
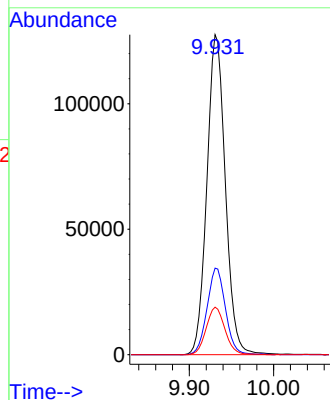
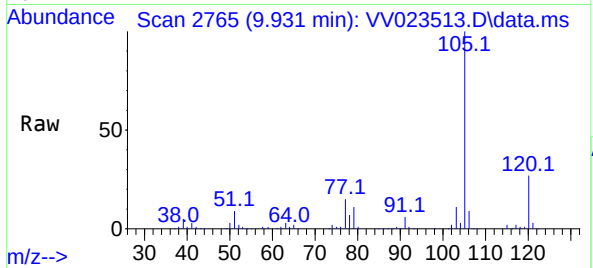




#60  
Isopropylbenzene  
Concen: 4.740 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

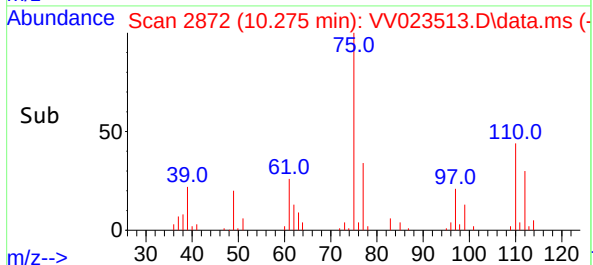
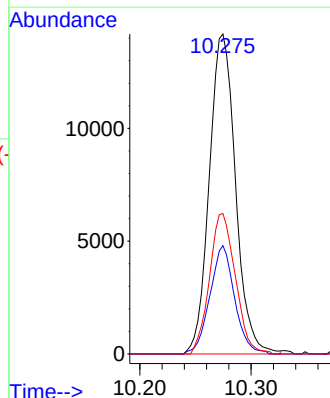
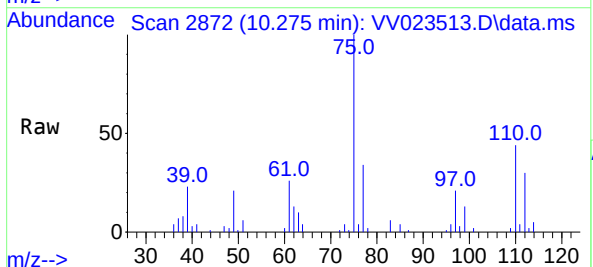
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

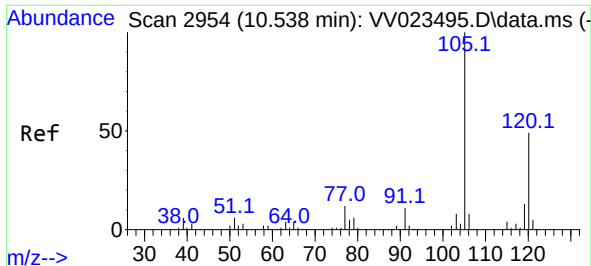
Tgt Ion:105 Resp: 194864  
Ion Ratio Lower Upper  
105 100  
120 26.9 21.7 32.5  
77 15.1 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 4.882 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.003 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion: 75 Resp: 23233  
Ion Ratio Lower Upper  
75 100  
77 31.9 26.6 39.8  
110 43.3 31.8 47.6

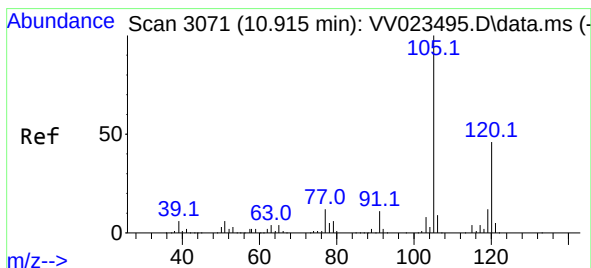
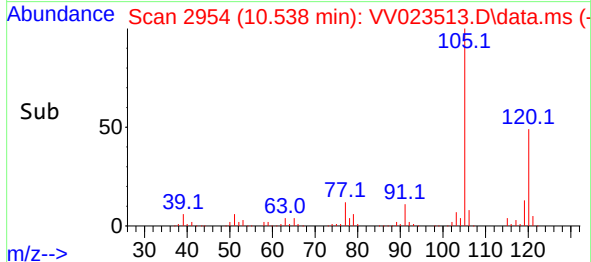
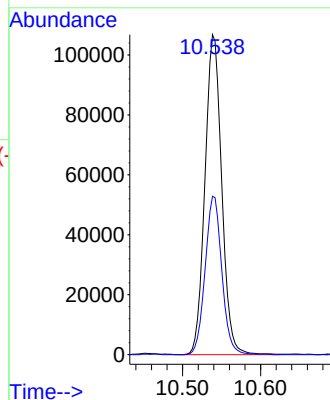
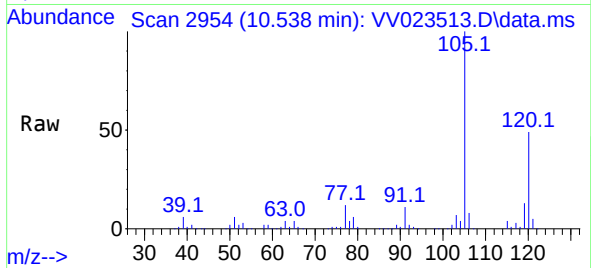




#62  
1,3,5-Trimethylbenzene  
Concen: 4.684 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

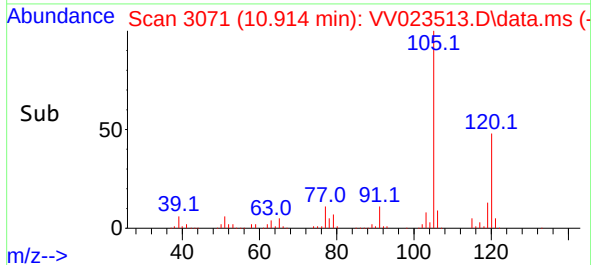
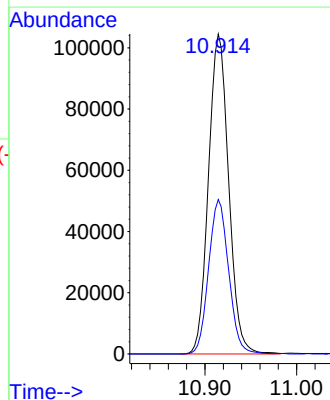
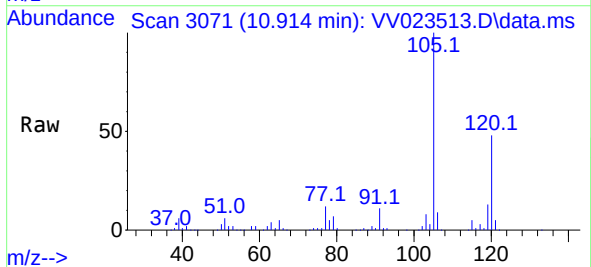
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

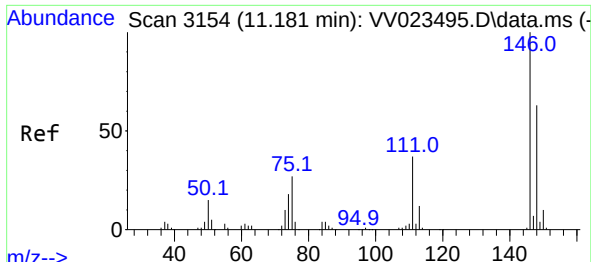
Tgt Ion:105 Resp: 159678  
Ion Ratio Lower Upper  
105 100  
120 49.3 39.7 59.5



#63  
1,2,4-Trimethylbenzene  
Concen: 4.702 ug/L  
RT: 10.914 min Scan# 3071  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion:105 Resp: 159534  
Ion Ratio Lower Upper  
105 100  
120 47.9 37.4 56.2

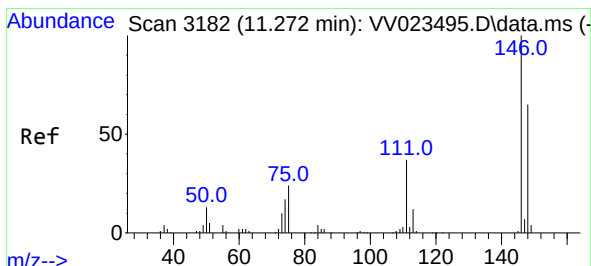
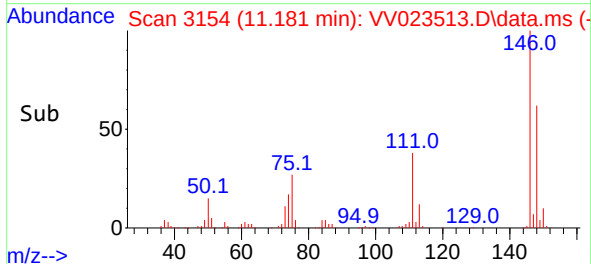
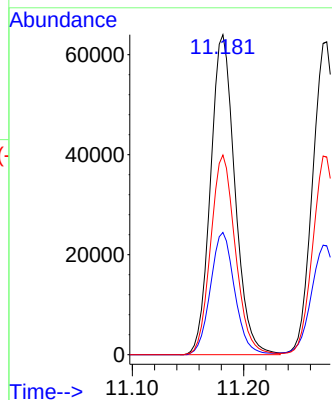
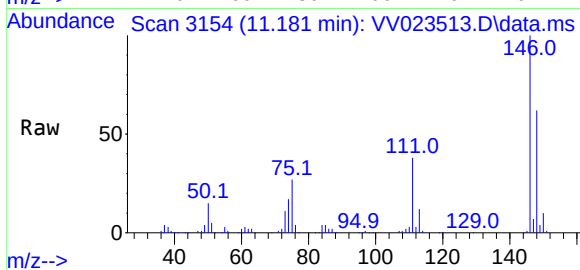




#64  
1,3-Dichlorobenzene  
Concen: 4.632 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

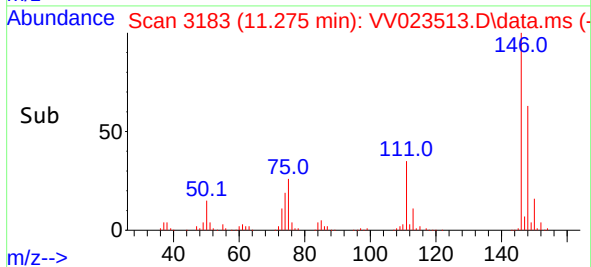
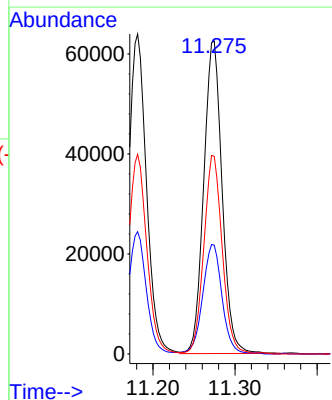
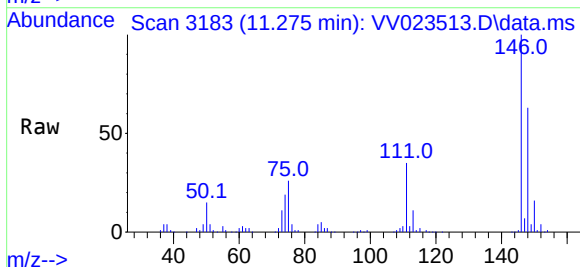
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

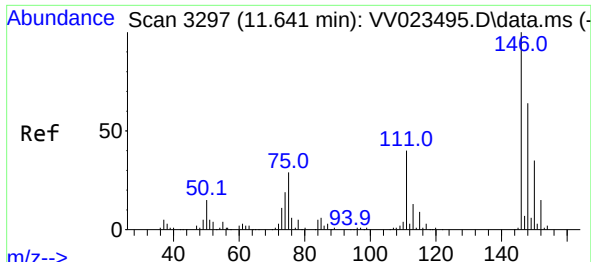
Tgt Ion:146 Resp: 97295  
Ion Ratio Lower Upper  
146 100  
111 38.2 26.7 49.7  
148 62.4 42.9 79.7



#65  
1,4-Dichlorobenzene  
Concen: 4.541 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.003 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion:146 Resp: 97417  
Ion Ratio Lower Upper  
146 100  
111 34.8 26.2 48.8  
148 63.2 44.4 82.5

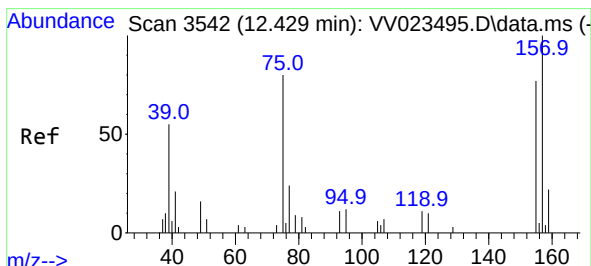
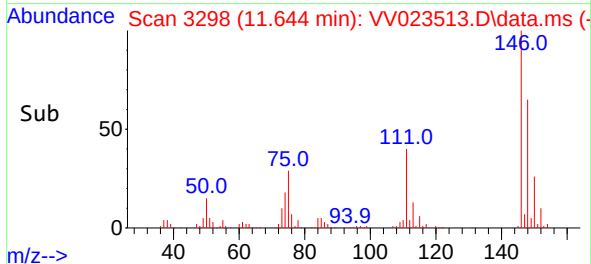
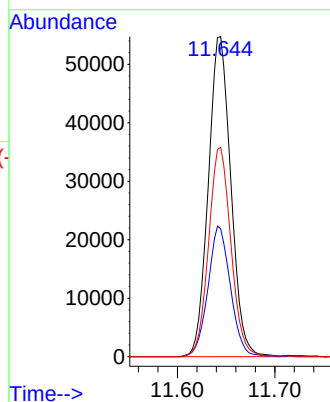
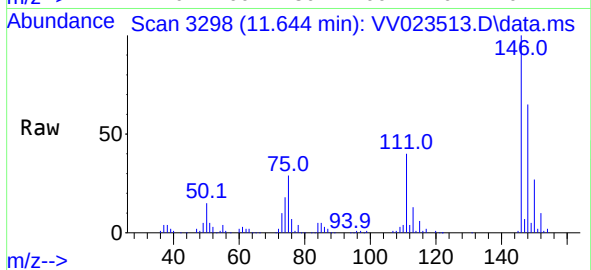




#67  
1,2-Dichlorobenzene  
Concen: 4.684 ug/L  
RT: 11.644 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

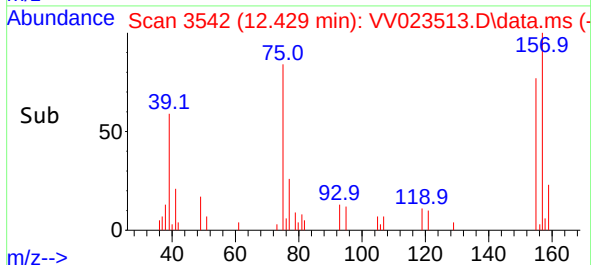
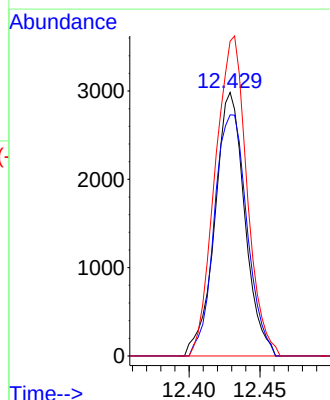
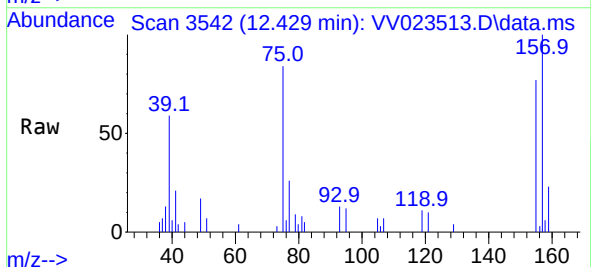
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

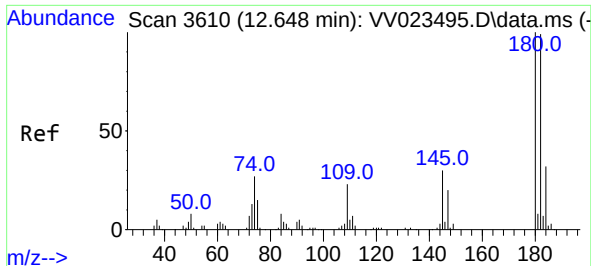
Tgt Ion:146 Resp: 88044  
Ion Ratio Lower Upper  
146 100  
111 40.0 31.6 47.4  
148 65.4 51.0 76.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.337 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

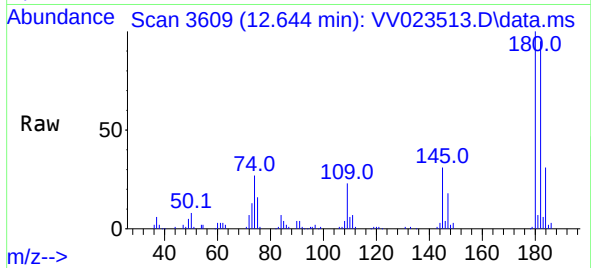
Tgt Ion: 75 Resp: 4397  
Ion Ratio Lower Upper  
75 100  
155 91.5 67.7 101.5  
157 119.4 87.9 131.9



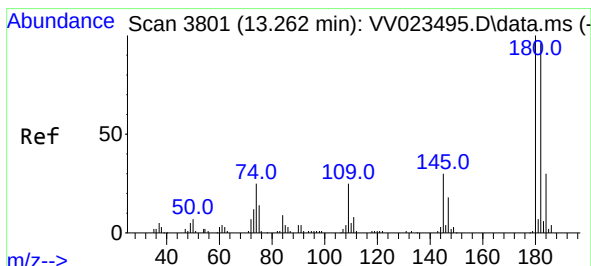
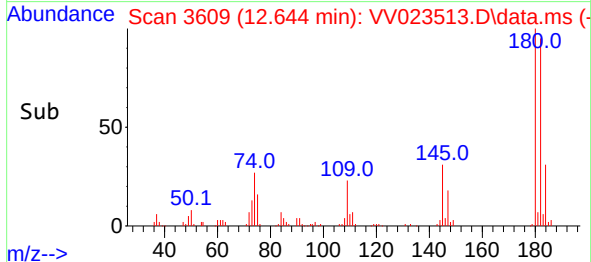
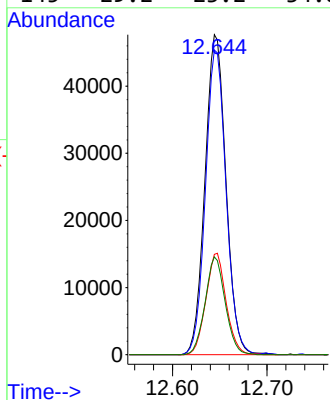


#69  
1,3,5-Trichlorobenzene  
Concen: 4.463 ug/L  
RT: 12.644 min Scan# 3610  
Delta R.T. -0.003 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

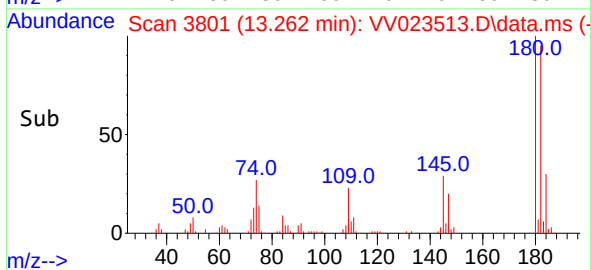
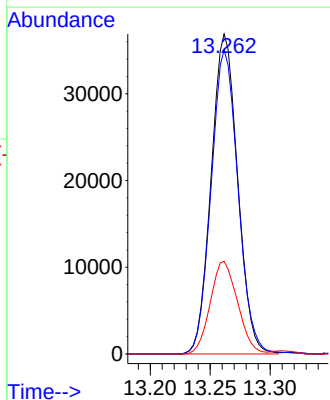
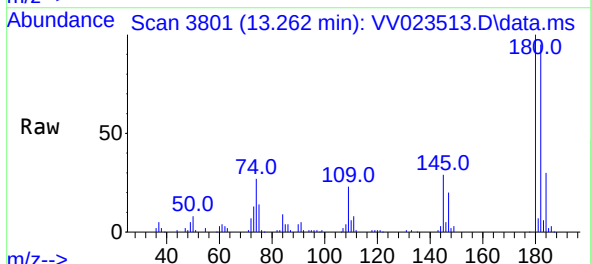


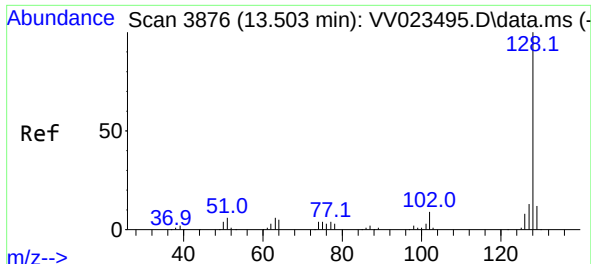
Tgt Ion:180 Resp: 73405  
Ion Ratio Lower Upper  
180 100  
182 93.9 74.9 112.3  
184 30.6 23.8 35.8  
145 29.2 23.2 34.8



#70  
1,2,4-trichlorobenzene  
Concen: 4.294 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Tgt Ion:180 Resp: 56562  
Ion Ratio Lower Upper  
180 100  
182 96.5 76.9 115.3  
145 29.9 24.4 36.6

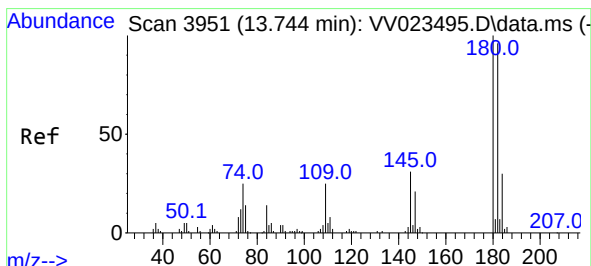
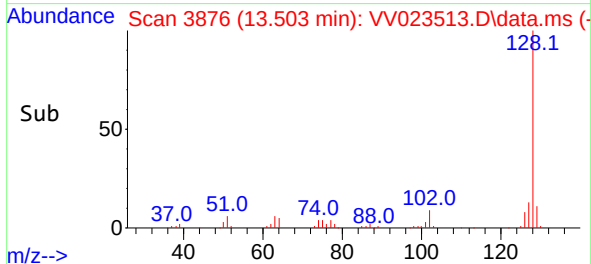
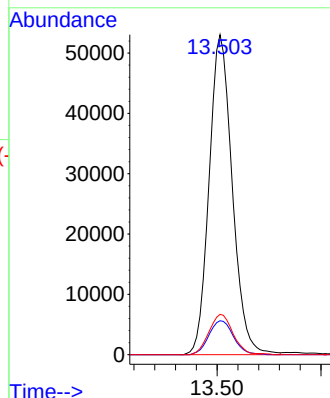
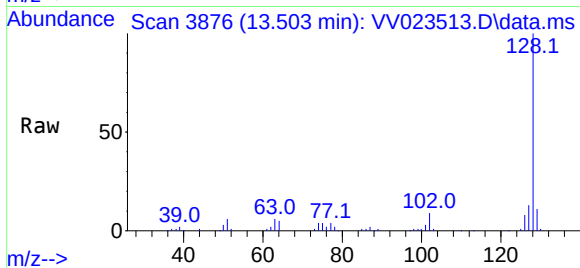




#71  
Naphthalene  
Concen: 4.219 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

Instrument :  
MSVOA\_V  
ClientSampleId :  
H4651MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 81946 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 11.3  | 8.6   | 13.0  |
| 127      | 13.2  | 10.5  | 15.7  |



#72  
1,2,3-Trichlorobenzene  
Concen: 4.483 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV023513.D  
Acq: 16 Nov 2021 03:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 51663 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.4  | 76.7  | 115.1 |
| 145      | 32.1  | 25.7  | 38.5  |

