

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042122\  
 Data File : VW025667.D  
 Acq On : 21 Apr 2022 15:24  
 Operator : SY/MD  
 Sample : N2492-10  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW6W2

Quant Time: Apr 22 03:09:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 22 03:06:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 91667    | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 94420    | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 42328    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.311  | 65    | 49156    | 5.768    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 115.400%  |
| 7) Chloroethane-d5            | 1.571  | 69    | 51163    | 5.643    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 112.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.114  | 63    | 79759    | 4.672    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.400%   |
| 20) 2-Butanone-d5             | 3.912  | 46    | 105516   | 101.784  | ug/L   | 0.03      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 203.560%# |
| 24) Chloroform-d              | 4.352  | 84    | 101062   | 7.847    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 157.000%# |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 49025    | 8.835    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 176.800%# |
| 32) Benzene-d6                | 5.053  | 84    | 194544   | 7.121    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 142.400%# |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 60158    | 7.896    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 158.000%# |
| 41) Toluene-d8                | 7.317  | 98    | 157857   | 6.227    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 124.600%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 18243    | 7.124    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 142.400%# |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 72317    | 80.461   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 160.920%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 38817    | 8.064    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 161.200%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 57626    | 8.120    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 162.400%# |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 1.246  | 50    | 495      | 0.055    | ug/L   | 94        |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 637      | 0.080    | ug/L # | 1         |
| 14) Carbon disulfide          | 2.304  | 76    | 1361     | 0.072    | ug/L # | 86        |
| 15) Methyl Acetate            | 2.439  | 43    | 714      | 0.457    | ug/L # | 43        |
| 25) Chloroform                | 4.365  | 83    | 1520     | 0.128    | ug/L   | 94        |
| 30) Cyclohexane               | 4.683  | 56    | 1036     | 0.102    | ug/L # | 53        |
| 33) Benzene                   | 5.117  | 78    | 3181     | 0.114    | ug/L   | 100       |
| 35) Methylcyclohexane         | 6.134  | 83    | 1604     | 0.136    | ug/L # | 83        |
| 37) 1,2-Dichloropropane       | 6.066  | 63    | 6738     | 1.044    | ug/L # | 85        |
| 42) Toluene                   | 7.397  | 91    | 9939     | 0.328    | ug/L   | 97        |
| 44) trans-1,3-Dichloropropene | 7.625  | 75    | 735      | 0.112    | ug/L # | 58        |
| 47) Tetrachloroethene         | 7.976  | 164   | 13897    | 2.397    | ug/L   | 95        |
| 48) 2-Hexanone                | 8.146  | 43    | 9013     | 5.006    | ug/L # | 81        |
| 49) Dibromochloromethane      | 7.976  | 129   | 12665    | 2.670    | ug/L # | 11        |
| 52) Ethylbenzene              | 9.021  | 91    | 5140     | 0.159    | ug/L   | 96        |
| 53) m,p-Xylene                | 9.153  | 106   | 1105     | 0.090    | ug/L   | 96        |
| 61) 1,2,3-Trichloropropane    | 10.021 | 75    | 349      | 0.125    | ug/L # | 37        |
| 63) 1,2,4-Trimethylbenzene    | 10.921 | 105   | 1396     | 0.066    | ug/L   | 88        |
| 68) 1,2-Dibromo-3-chloropr... | 12.236 | 75    | 62       | 0.129    | ug/L # | 2         |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042122\  
Data File : VV025667.D  
Acq On : 21 Apr 2022 15:24  
Operator : SY/MD  
Sample : N2492-10  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6W2

Quant Time: Apr 22 03:09:13 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Apr 22 03:06:52 2022  
Response via : Initial Calibration

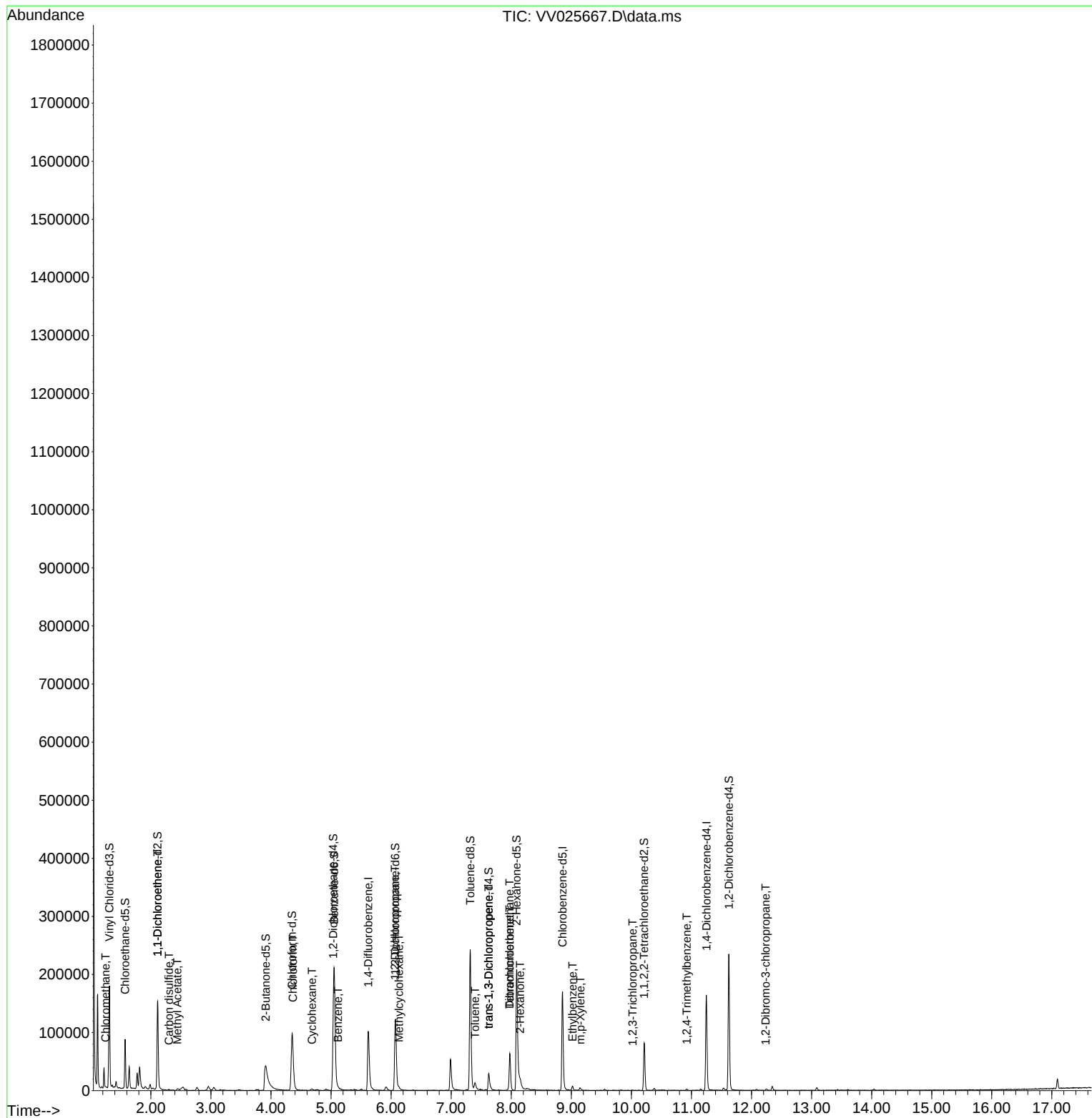
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |
| -----    |      |      |          |      |       |          |

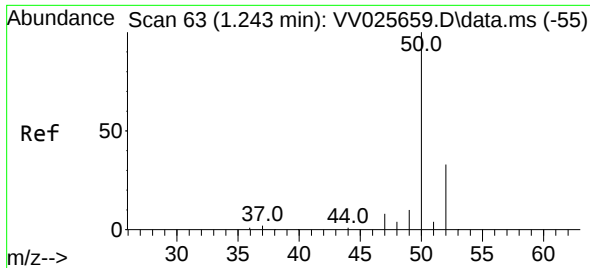
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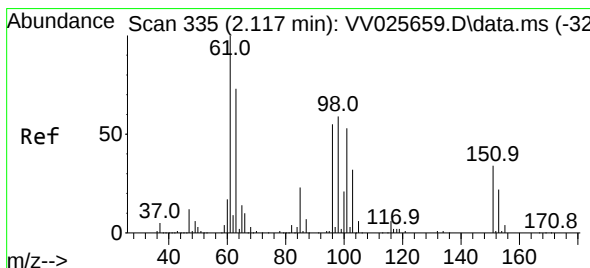
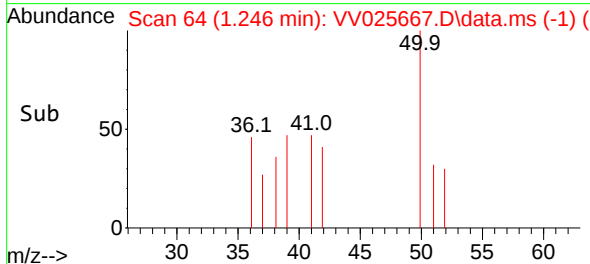
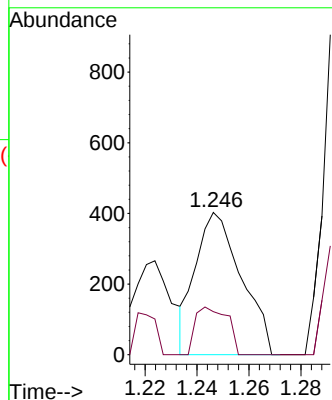
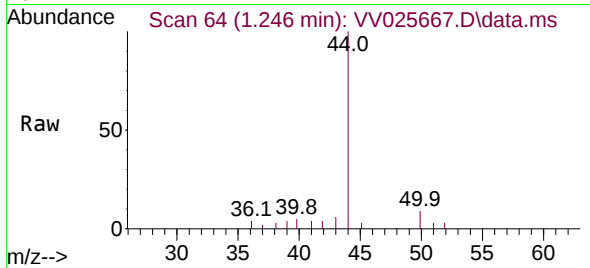




#3  
Chloromethane  
Concen: 0.055 ug/L  
RT: 1.246 min Scan# 64  
Delta R.T. 0.003 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

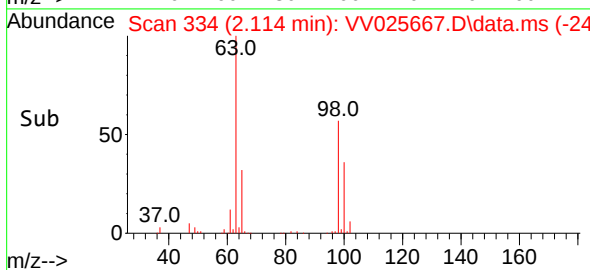
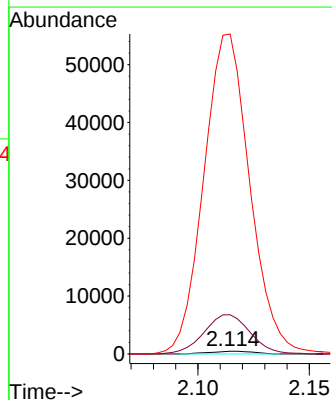
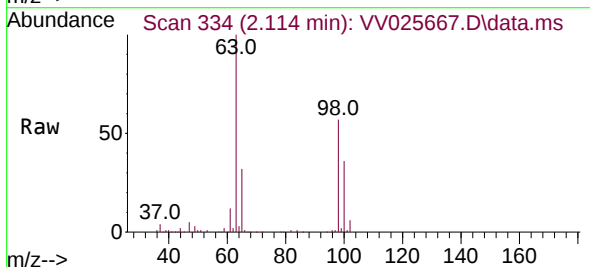
Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6W2

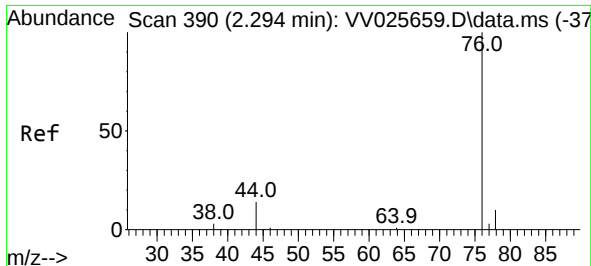
Tgt Ion: 50 Resp: 495  
Ion Ratio Lower Upper  
50 100  
52 30.3 23.7 43.9



#12  
1,1-Dichloroethene  
Concen: 0.080 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.003 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

Tgt Ion: 96 Resp: 637  
Ion Ratio Lower Upper  
96 100  
61 1413.1 125.2 232.4#  
63 11521.7 114.4 212.4#

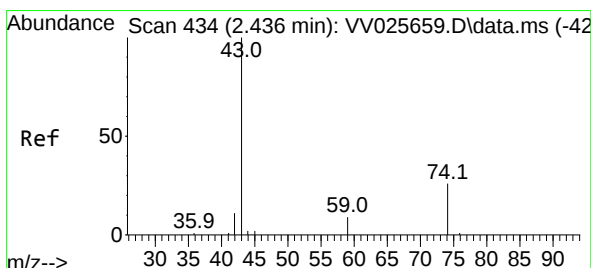
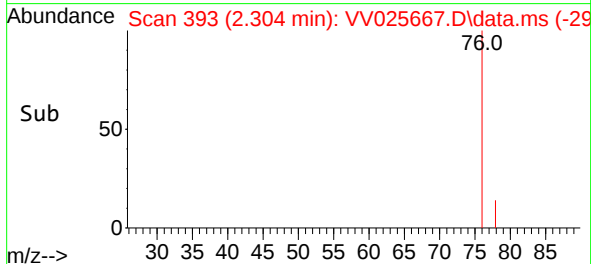
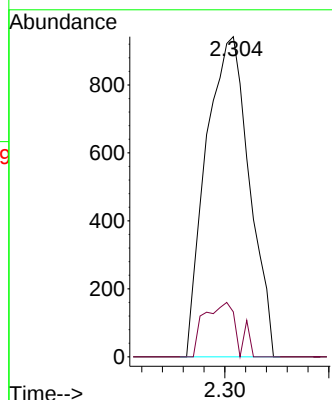
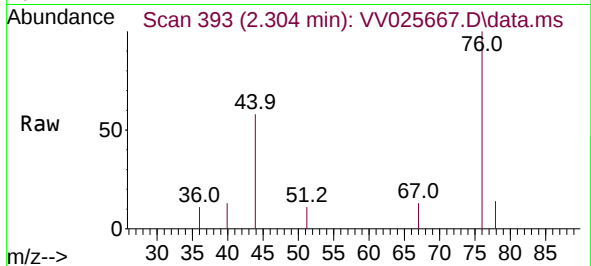




#14  
Carbon disulfide  
Concen: 0.072 ug/L  
RT: 2.304 min Scan# 393  
Delta R.T. 0.010 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

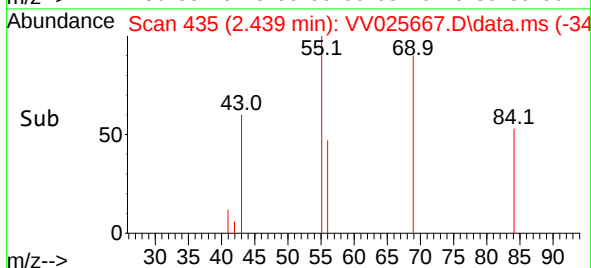
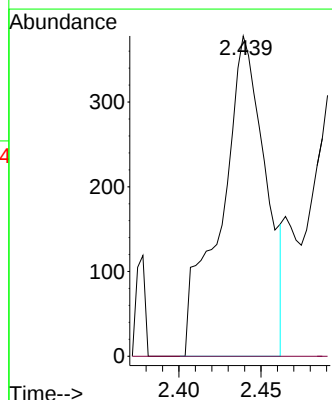
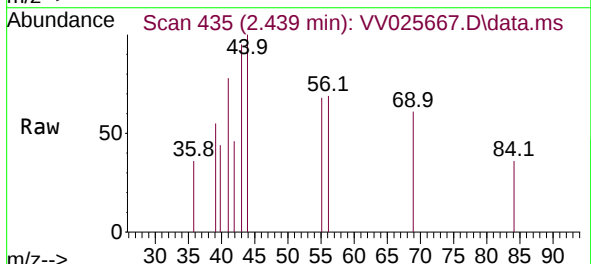
Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6W2

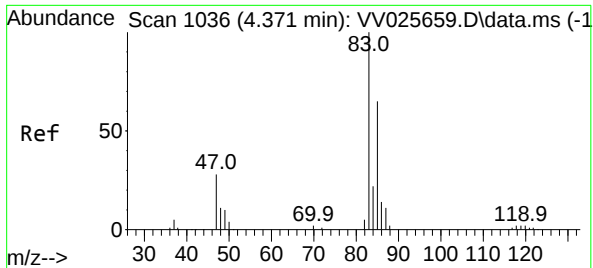
Tgt Ion: 76 Resp: 1361  
Ion Ratio Lower Upper  
76 100  
78 14.0 7.3 10.9#



#15  
Methyl Acetate  
Concen: 0.457 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. 0.003 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

Tgt Ion: 43 Resp: 714  
Ion Ratio Lower Upper  
43 100  
74 0.0 25.2 37.8#

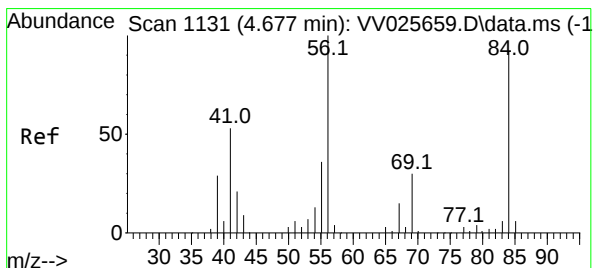
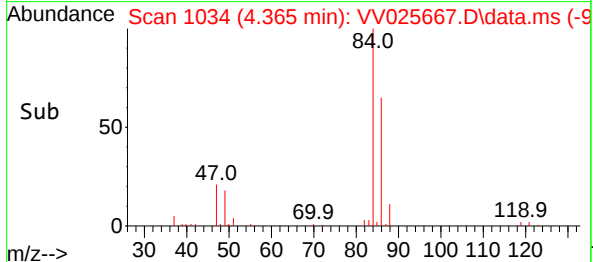
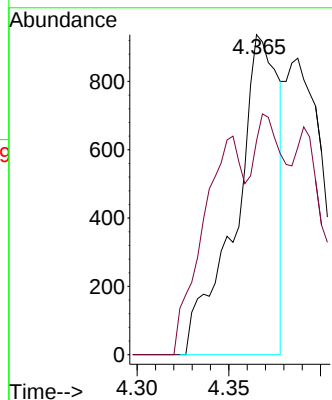
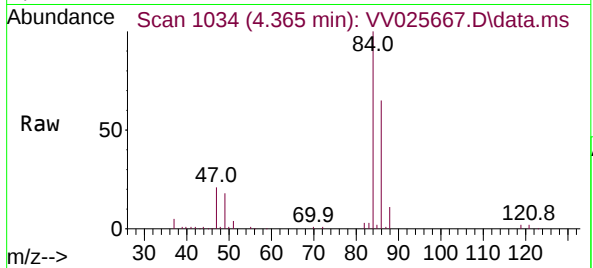




#25  
Chloroform  
Concen: 0.128 ug/L  
RT: 4.365 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

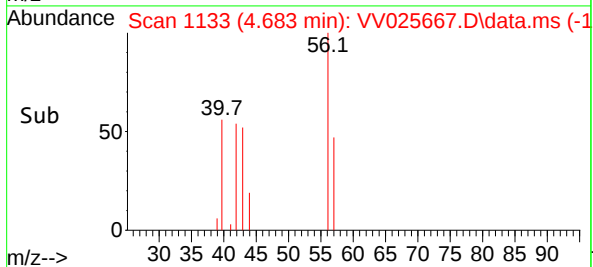
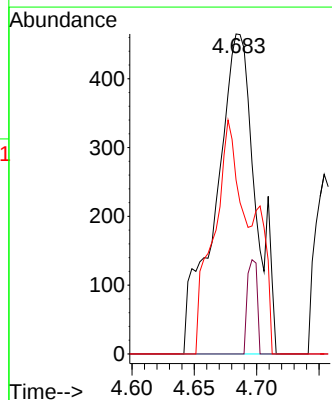
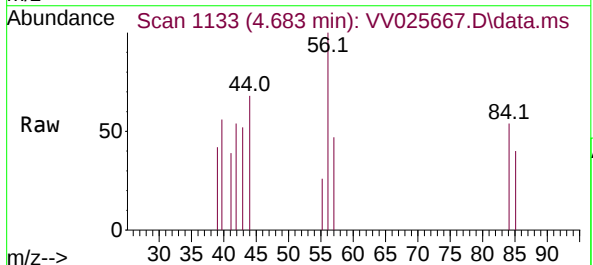
Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6W2

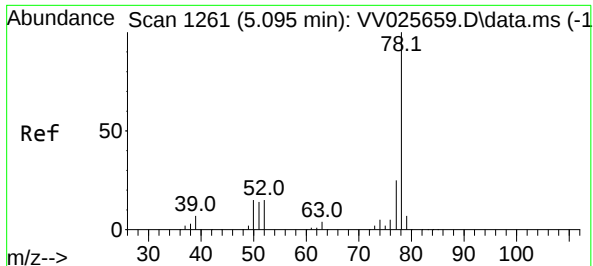
Tgt Ion: 83 Resp: 1520  
Ion Ratio Lower Upper  
83 100  
85 66.8 43.5 80.7



#30  
Cyclohexane  
Concen: 0.102 ug/L  
RT: 4.683 min Scan# 1133  
Delta R.T. 0.007 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

Tgt Ion: 56 Resp: 1036  
Ion Ratio Lower Upper  
56 100  
69 7.1 26.1 39.1#  
84 51.4 78.6 118.0#

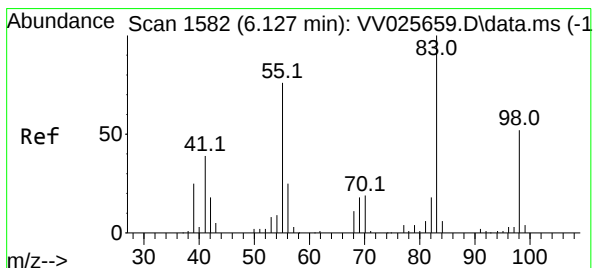
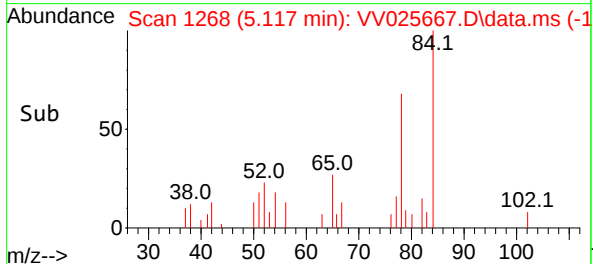
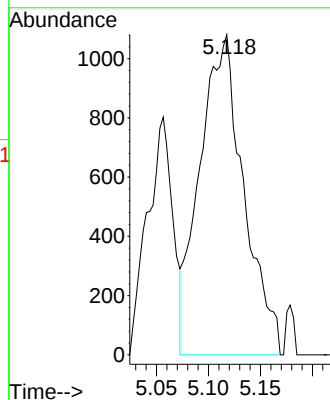
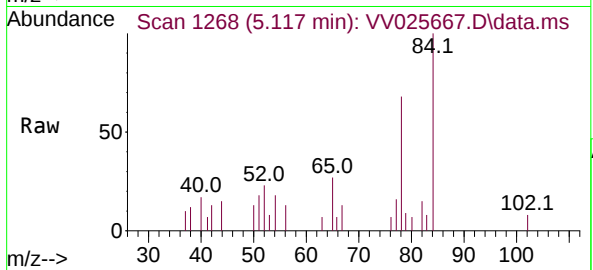




#33  
Benzene  
Concen: 0.114 ug/L  
RT: 5.117 min Scan# 11  
Delta R.T. 0.023 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

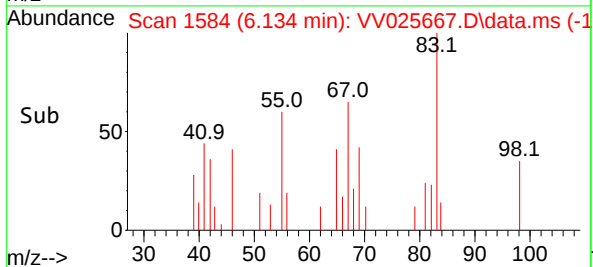
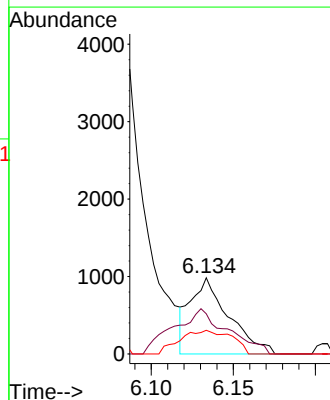
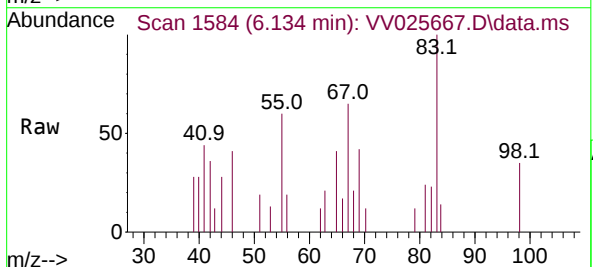
Instrument :  
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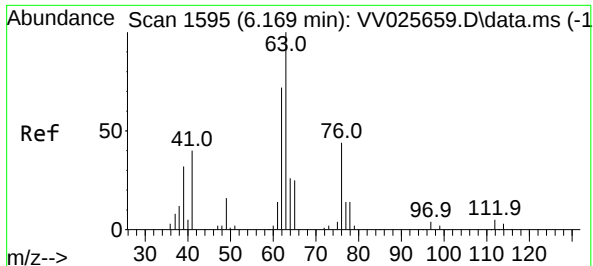
Tgt Ion: 78 Resp: 3181



#35  
Methylcyclohexane  
Concen: 0.136 ug/L  
RT: 6.134 min Scan# 1584  
Delta R.T. 0.007 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

Tgt Ion: 83 Resp: 1604  
Ion Ratio Lower Upper  
83 100  
55 83.3 53.7 80.5#  
98 41.5 39.6 59.4





#37

1,2-Dichloropropane

Concen: 1.044 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV025667.D

Acq: 21 Apr 2022 15:24

Instrument :

MSVOA\_V

ClientSampleId :

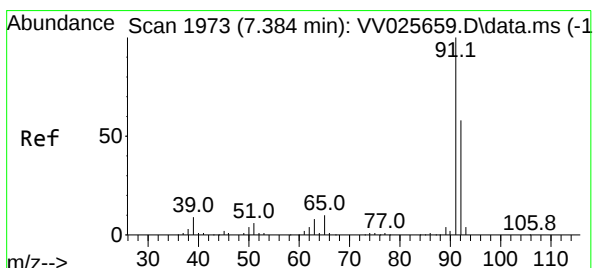
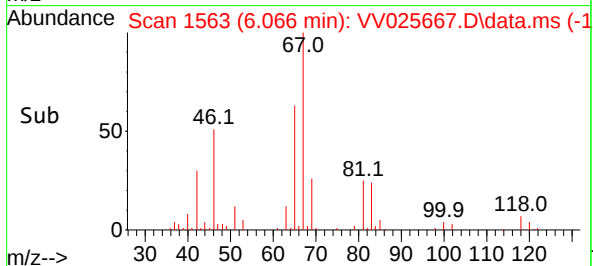
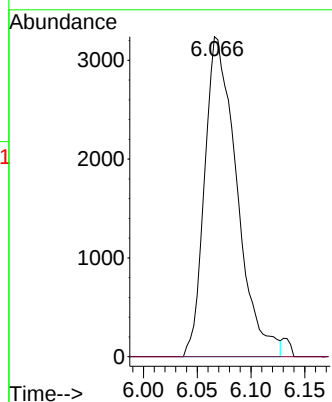
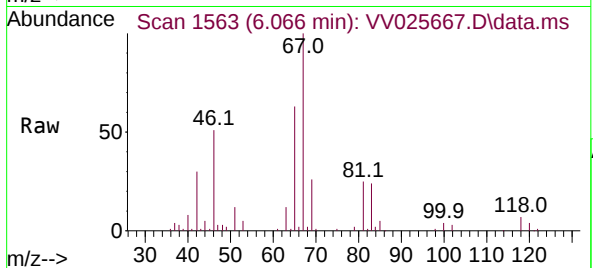
EW6W2

Tgt Ion: 63 Resp: 6738

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#42

Toluene

Concen: 0.328 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.013 min

Lab File: VV025667.D

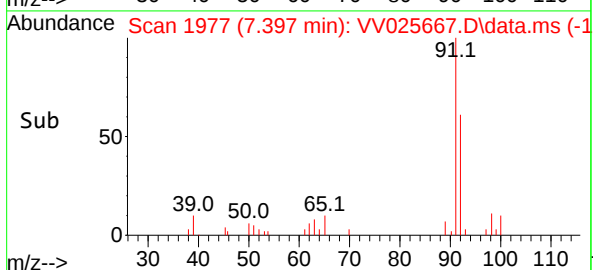
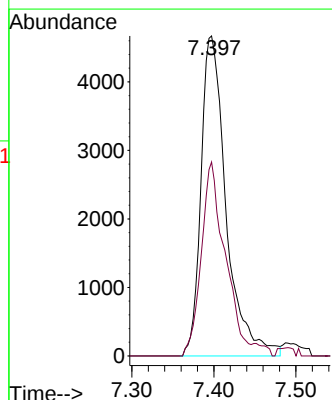
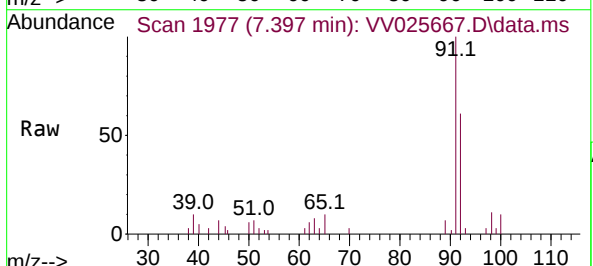
Acq: 21 Apr 2022 15:24

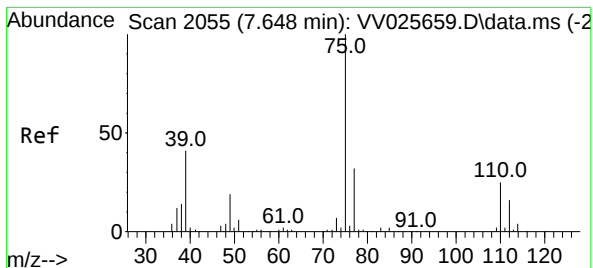
Tgt Ion: 91 Resp: 9939

Ion Ratio Lower Upper

91 100

92 60.6 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 7.625 min Scan# 2055

Delta R.T. -0.022 min

Lab File: VV025667.D

Acq: 21 Apr 2022 15:24

Instrument :

MSVOA\_V

ClientSampleId :

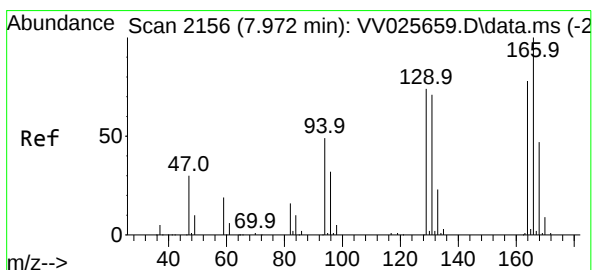
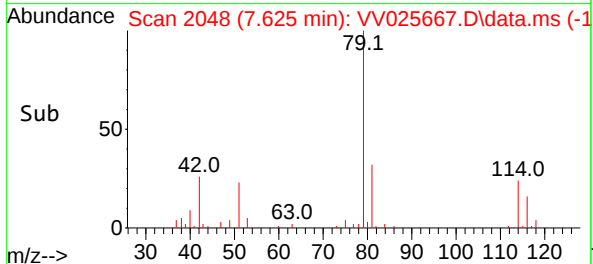
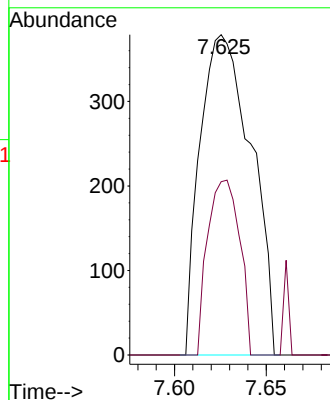
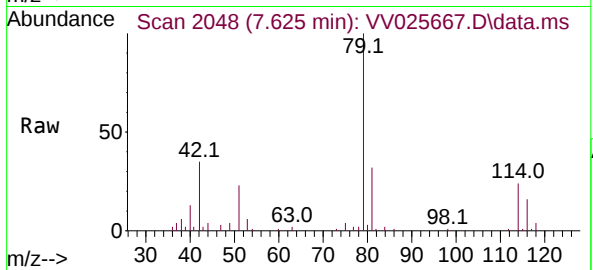
EW6W2

Tgt Ion: 75 Resp: 735

Ion Ratio Lower Upper

75 100

77 54.1 21.7 40.3#



#47

Tetrachloroethene

Concen: 2.397 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025667.D

Acq: 21 Apr 2022 15:24

Tgt Ion: 164 Resp: 13897

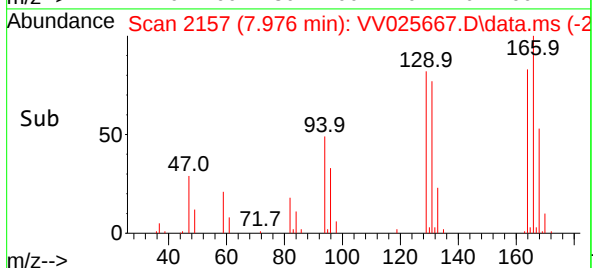
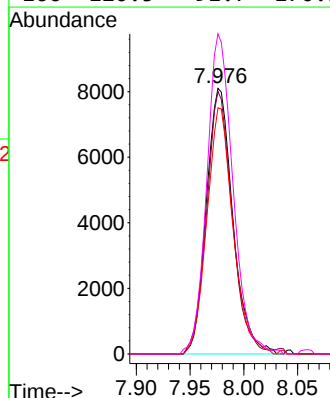
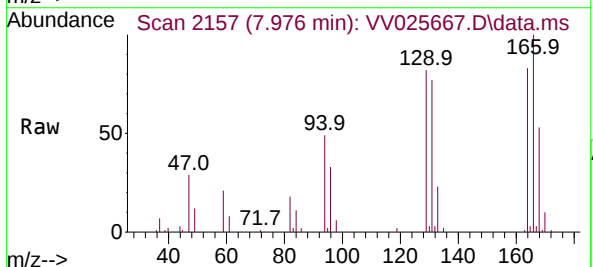
Ion Ratio Lower Upper

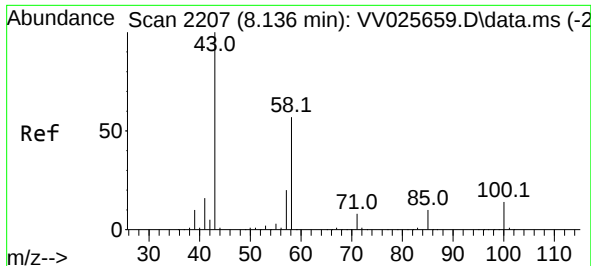
164 100

129 98.9 66.8 124.2

131 92.7 66.4 123.4

166 120.5 91.7 170.3

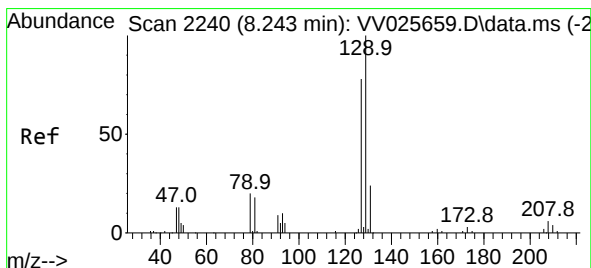
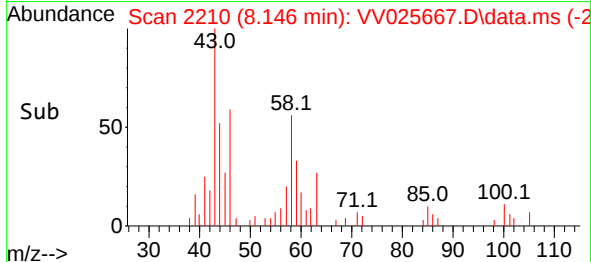
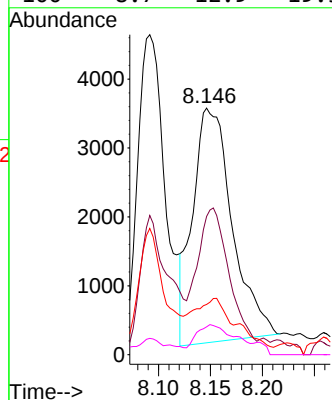
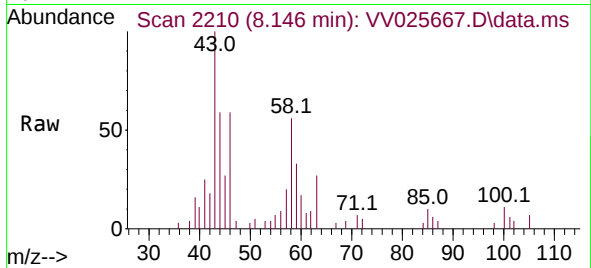




#48  
2-Hexanone  
Concen: 5.006 ug/L  
RT: 8.146 min Scan# 2157  
Delta R.T. 0.010 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

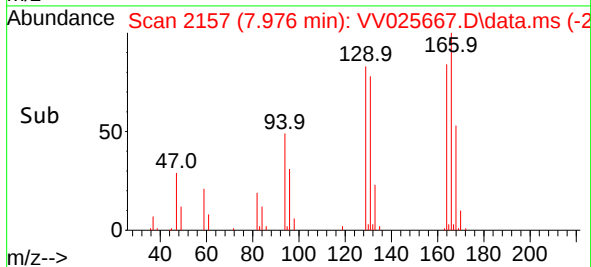
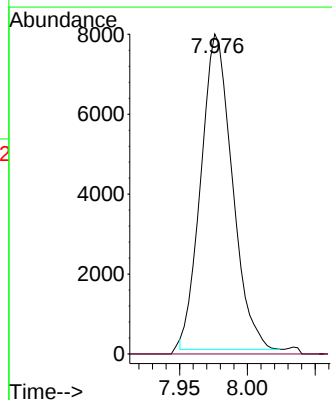
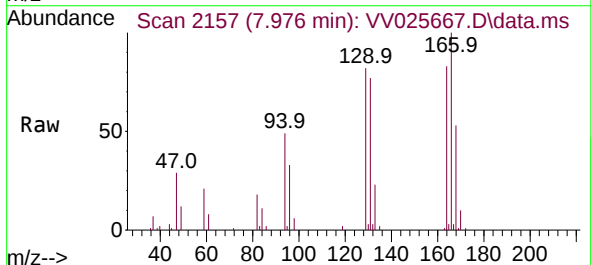
Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6W2

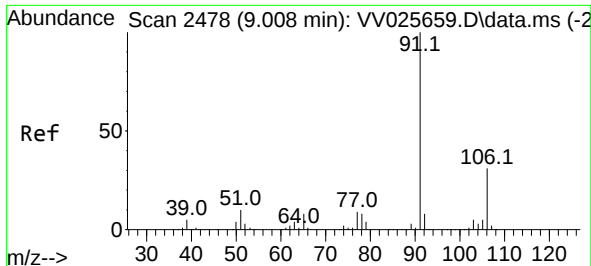
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 9013  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 46.2     | 49.7 74.5#  |
| 57 26.6     | 16.4 24.6#  |
| 100 8.7     | 12.9 19.3#  |



#49  
Dibromochloromethane  
Concen: 2.670 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.267 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:129 | Resp: | 12665  |
| Ion | Ratio   | Lower | Upper  |
| 129 | 100     |       |        |
| 127 | 0.0     | 53.8  | 100.0# |

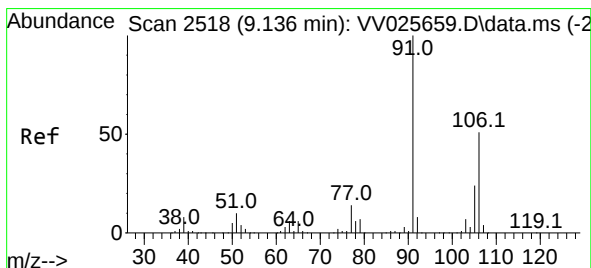
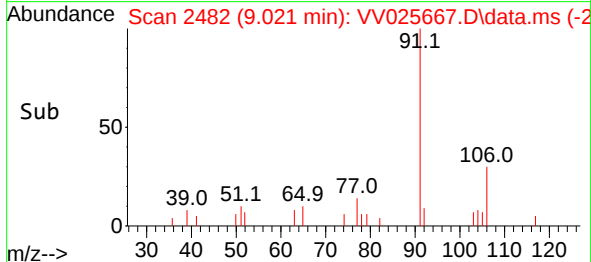
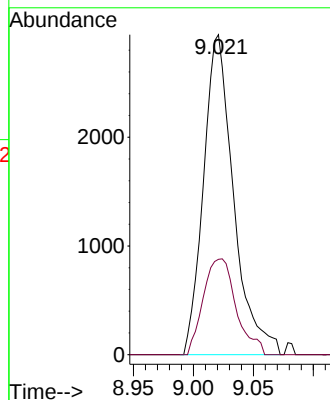
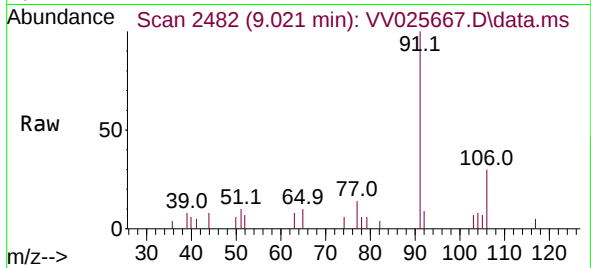




#52  
Ethylbenzene  
Concen: 0.159 ug/L  
RT: 9.021 min Scan# 2478  
Delta R.T. 0.013 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

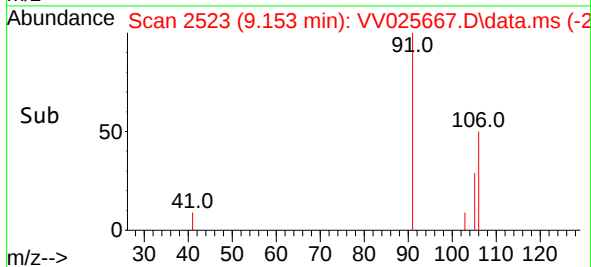
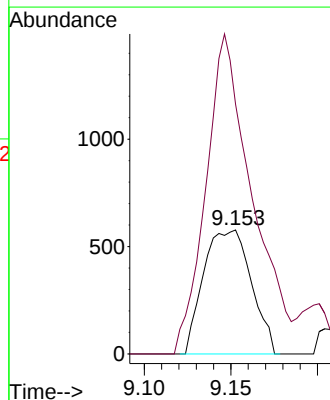
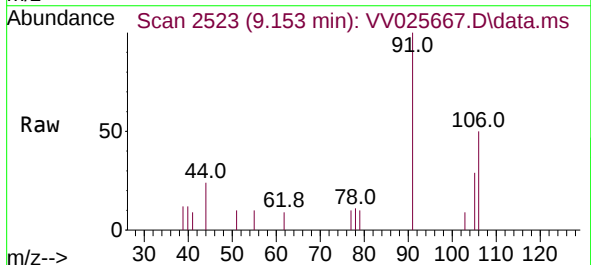
Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6W2

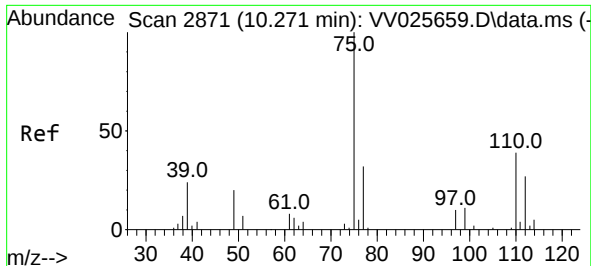
Tgt Ion: 91 Resp: 5140  
Ion Ratio Lower Upper  
91 100  
106 29.8 22.3 41.3



#53  
m,p-Xylene  
Concen: 0.090 ug/L  
RT: 9.153 min Scan# 2523  
Delta R.T. 0.016 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

Tgt Ion: 106 Resp: 1105  
Ion Ratio Lower Upper  
106 100  
91 201.6 136.4 253.4

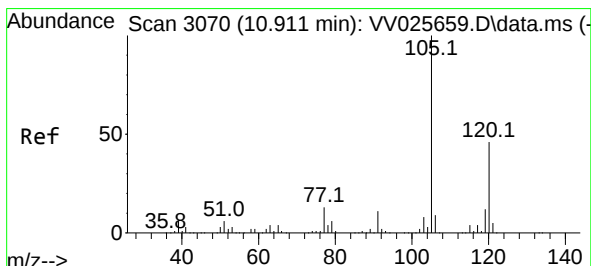
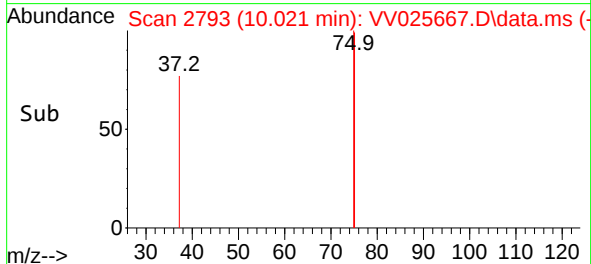
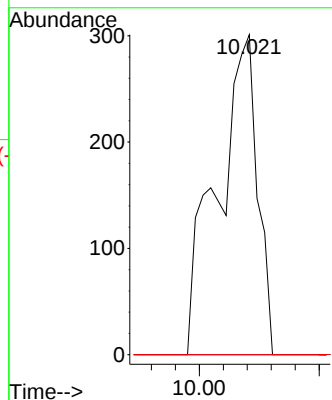
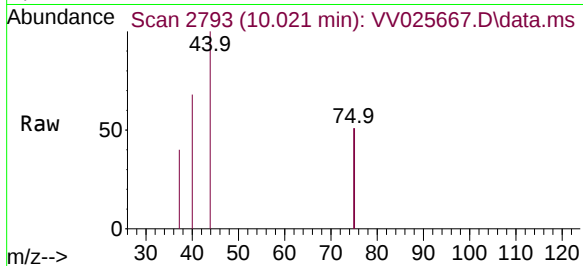




#61  
1,2,3-Trichloropropane  
Concen: 0.125 ug/L  
RT: 10.021 min Scan# 21  
Delta R.T. -0.251 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

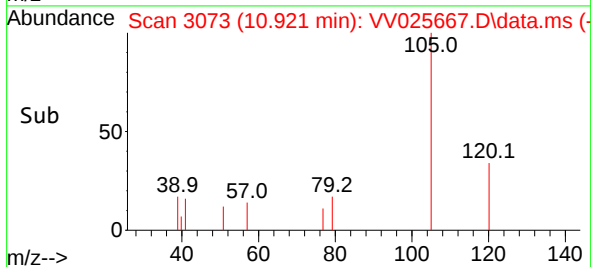
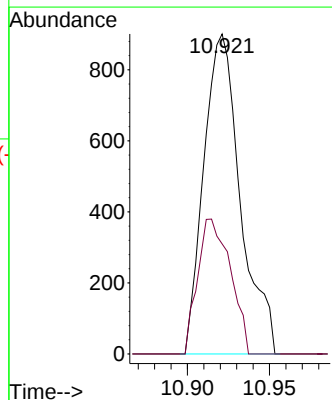
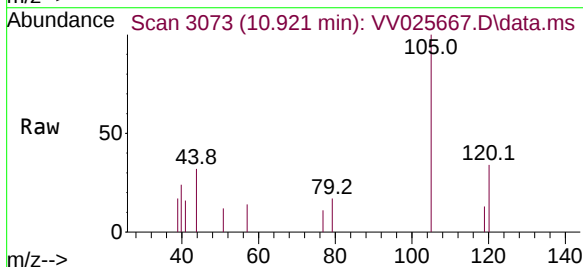
Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6W2

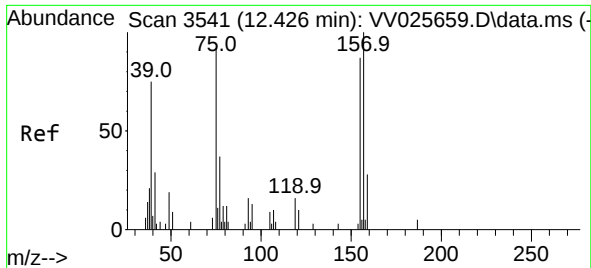
Tgt Ion: 75 Resp: 349  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.6 38.4#  
110 0.0 34.7 52.1#



#63  
1,2,4-Trimethylbenzene  
Concen: 0.066 ug/L  
RT: 10.921 min Scan# 3073  
Delta R.T. 0.010 min  
Lab File: VV025667.D  
Acq: 21 Apr 2022 15:24

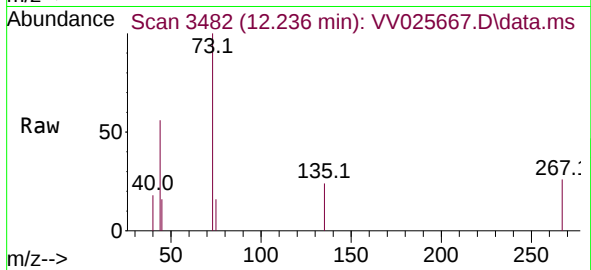
Tgt Ion: 105 Resp: 1396  
Ion Ratio Lower Upper  
105 100  
120 37.8 36.6 55.0





#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.129 ug/L  
 RT: 12.236 min Scan# 34  
 Delta R.T. -0.189 min  
 Lab File: VV025667.D  
 Acq: 21 Apr 2022 15:24

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW6W2



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 62     |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 155      | 0.0   | 65.8  | 98.8#  |
| 157      | 0.0   | 86.6  | 130.0# |

