

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060922\  
 Data File : VW026058.D  
 Acq On : 09 Jun 2022 16:33  
 Operator : SY/MD  
 Sample : N3247-09  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW1

Quant Time: Jun 10 02:53:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jun 10 02:49:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.625  | 114   | 169666   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 167098   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 65318    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.320  | 65    | 42641    | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.600%  |
| 7) Chloroethane-d5            | 1.581  | 69    | 49935    | 4.796    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 96.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.121  | 63    | 69739    | 3.031    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 60.600%  |
| 20) 2-Butanone-d5             | 3.915  | 46    | 79444    | 53.931   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.860% |
| 24) Chloroform-d              | 4.362  | 84    | 106897   | 5.064    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.200% |
| 26) 1,2-Dichloroethane-d4     | 5.043  | 65    | 49157    | 5.709    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 114.200% |
| 32) Benzene-d6                | 5.060  | 84    | 187719   | 4.649    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.076  | 67    | 66372    | 5.313    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 106.200% |
| 41) Toluene-d8                | 7.320  | 98    | 142152   | 3.984    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 79.600%  |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 14590    | 3.967    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 79.400%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 81144    | 50.136   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 44762    | 5.314    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 106.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 56252    | 5.629    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 112.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.253  | 50    | 755      | 0.040    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.127  | 96    | 2808     | 0.206    | ug/L # | 1        |
| 17) Methyl tert-butyl Ether   | 2.786  | 73    | 5081     | 0.229    | ug/L # | 85       |
| 18) trans-1,2-Dichloroethene  | 2.780  | 96    | 1073     | 0.083    | ug/L # | 84       |
| 19) 1,1-Dichloroethane        | 3.211  | 63    | 5578     | 0.238    | ug/L   | 90       |
| 22) cis-1,2-Dichloroethene    | 3.931  | 96    | 12611    | 0.994    | ug/L   | 95       |
| 25) Chloroform                | 4.391  | 83    | 18531    | 0.771    | ug/L   | 91       |
| 29) 1,1,1-Trichloroethane     | 4.622  | 97    | 31008    | 1.414    | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.844  | 117   | 3672     | 0.204    | ug/L   | 92       |
| 34) Trichloroethene           | 5.924  | 95    | 13902    | 1.013    | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.133  | 83    | 1271     | 0.060    | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.076  | 63    | 6901     | 0.542    | ug/L # | 86       |
| 38) Bromodichloromethane      | 6.529  | 83    | 918      | 0.060    | ug/L # | 96       |
| 47) Tetrachloroethene         | 7.979  | 164   | 15589    | 1.468    | ug/L   | 97       |
| 49) Dibromochloromethane      | 7.979  | 129   | 15215    | 1.687    | ug/L # | 9        |
| 53) m,p-Xylene                | 9.149  | 106   | 675      | 0.030    | ug/L   | 90       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 8339     | 1.636    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060922\  
Data File : VV026058.D  
Acq On : 09 Jun 2022 16:33  
Operator : SY/MD  
Sample : N3247-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW1

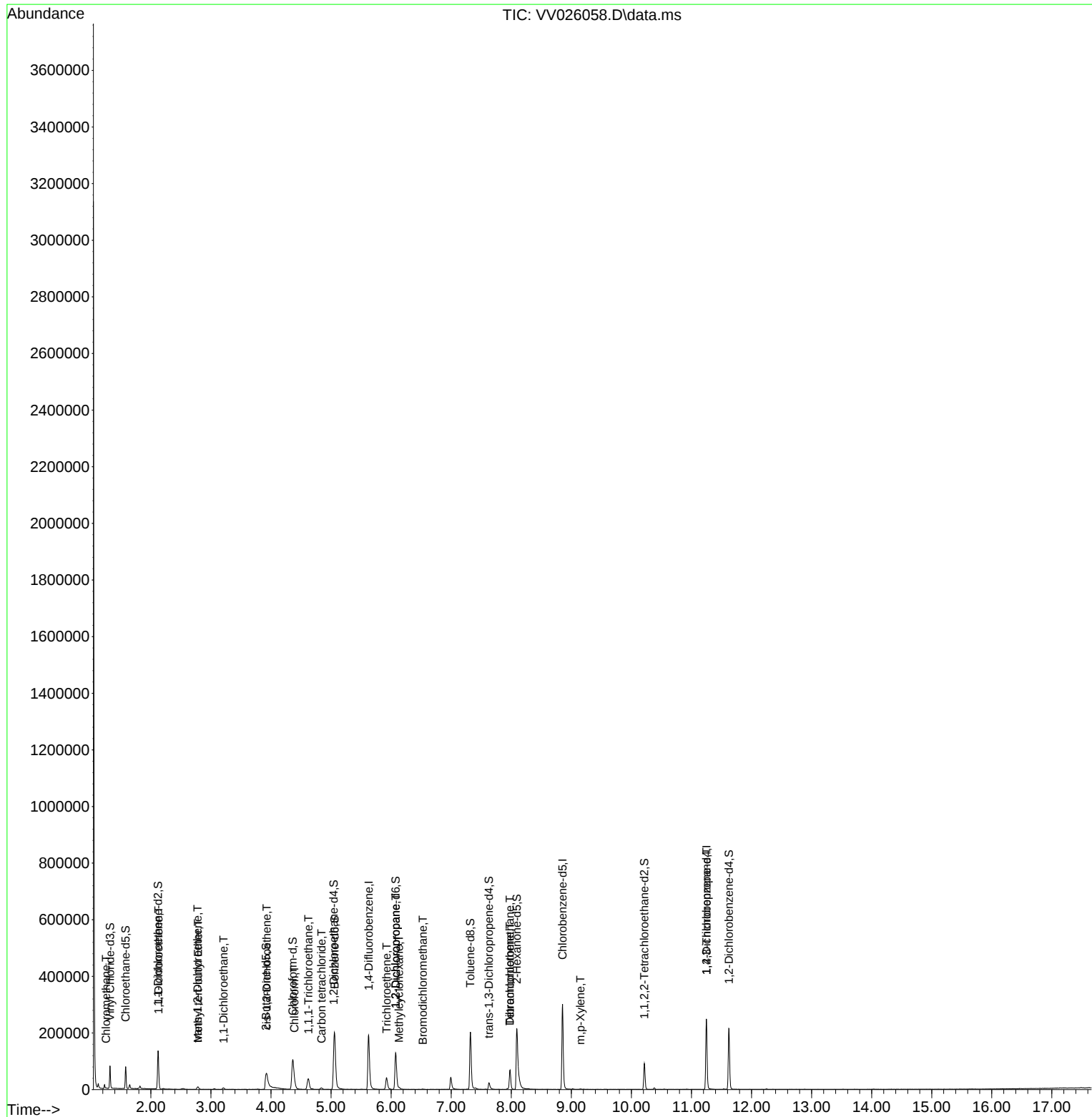
Quant Time: Jun 10 02:53:12 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jun 10 02:49:22 2022  
Response via : Initial Calibration

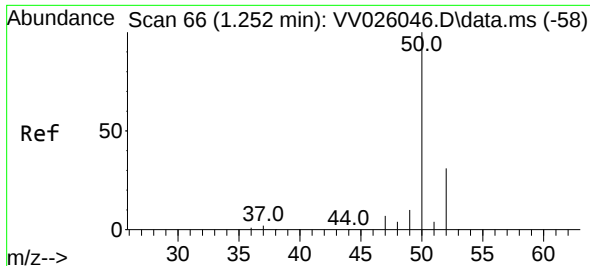
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060922\  
Data File : VV026058.D  
Acq On : 09 Jun 2022 16:33  
Operator : SY/MD  
Sample : N3247-09  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW1

Quant Time: Jun 10 02:53:12 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Jun 10 02:49:22 2022  
Response via : Initial Calibration

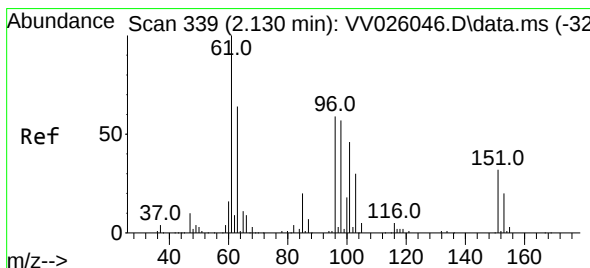
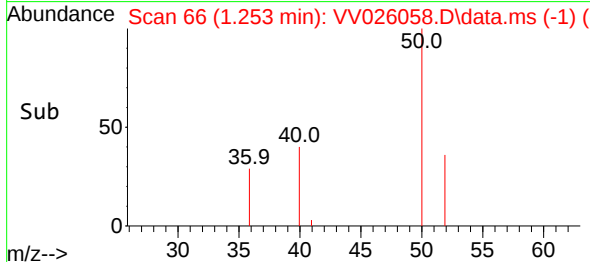
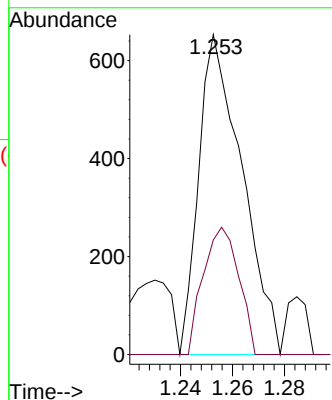
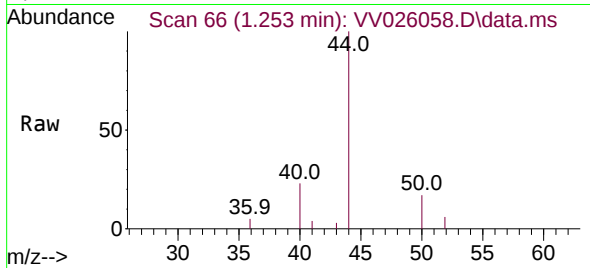




#3  
Chloromethane  
Concen: 0.040 ug/L  
RT: 1.253 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

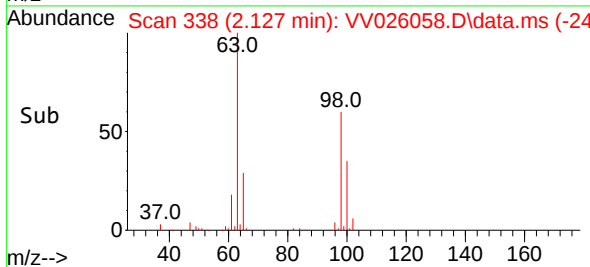
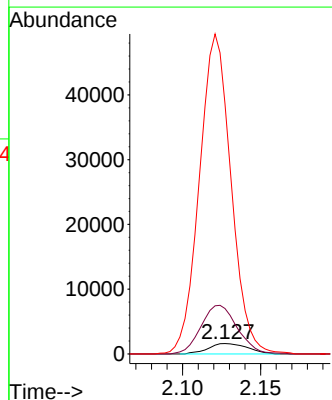
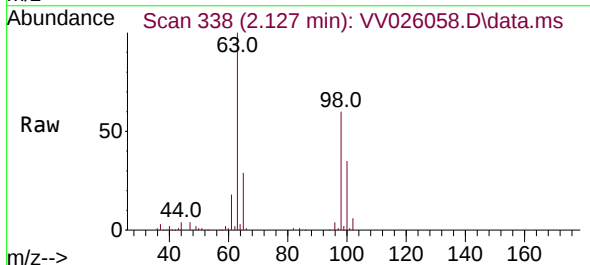
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW1

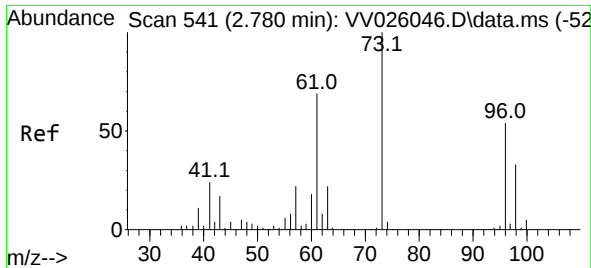
Tgt Ion: 50 Resp: 755  
Ion Ratio Lower Upper  
50 100  
52 35.8 23.0 42.6



#12  
1,1-Dichloroethene  
Concen: 0.206 ug/L  
RT: 2.127 min Scan# 338  
Delta R.T. -0.003 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

Tgt Ion: 96 Resp: 2808  
Ion Ratio Lower Upper  
96 100  
61 434.9 122.6 227.6#  
63 2396.0 78.5 145.9#

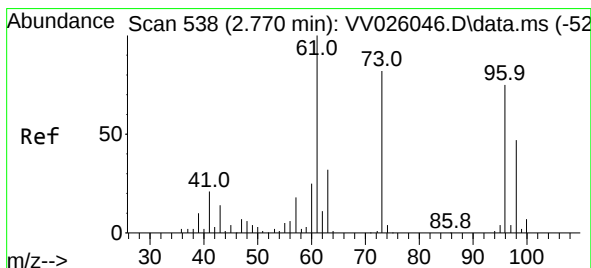
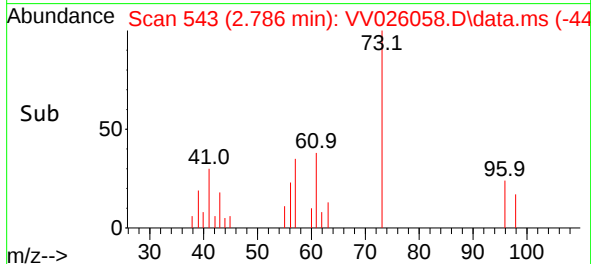
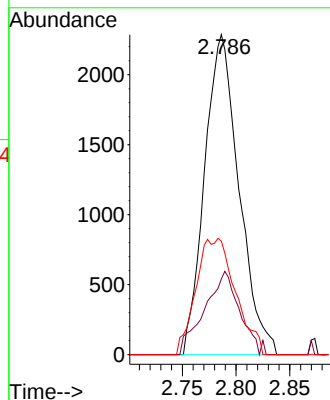
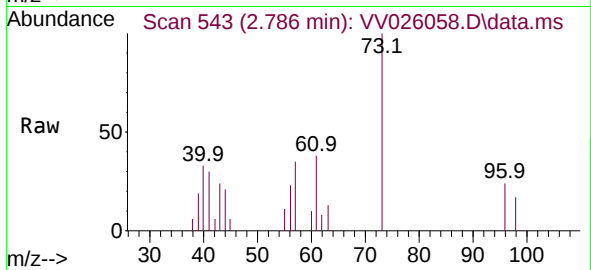




#17  
Methyl tert-butyl Ether  
Concen: 0.229 ug/L  
RT: 2.786 min Scan# 541  
Delta R.T. 0.007 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

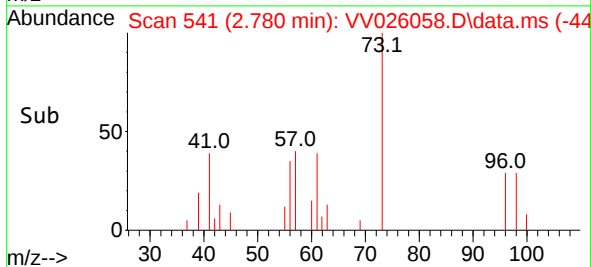
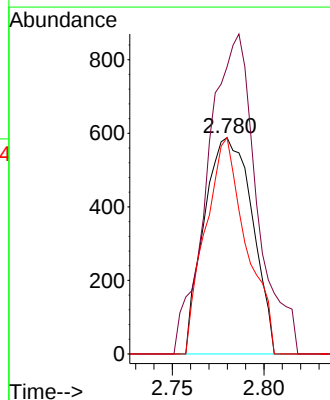
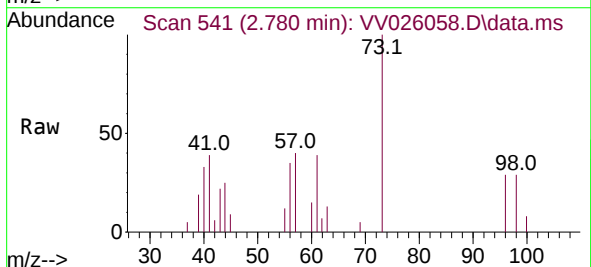
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW1

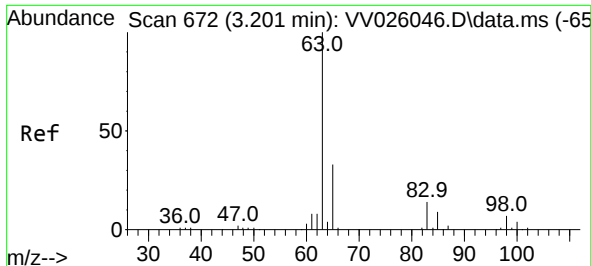
Tgt Ion: 73 Resp: 5081  
Ion Ratio Lower Upper  
73 100  
43 26.7 13.7 20.5#  
57 17.9 17.8 26.6



#18  
trans-1,2-Dichloroethene  
Concen: 0.083 ug/L  
RT: 2.780 min Scan# 541  
Delta R.T. 0.010 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

Tgt Ion: 96 Resp: 1073  
Ion Ratio Lower Upper  
96 100  
61 132.8 94.3 175.1  
98 100.0 44.4 82.5#





#19

1,1-Dichloroethane

Concen: 0.238 ug/L

RT: 3.211 min Scan# 61

Delta R.T. 0.010 min

Lab File: VV026058.D

Acq: 09 Jun 2022 16:33

Instrument :

MSVOA\_V

ClientSampleId :

EXYW1

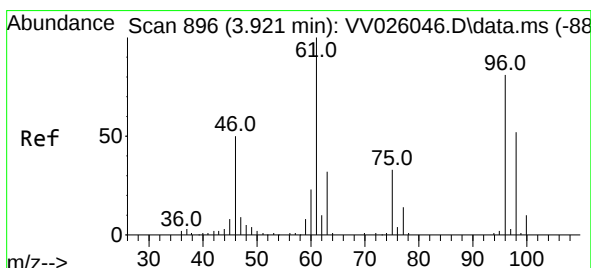
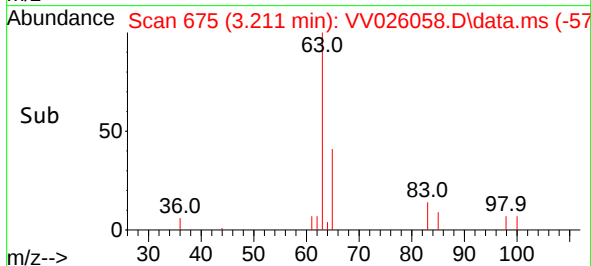
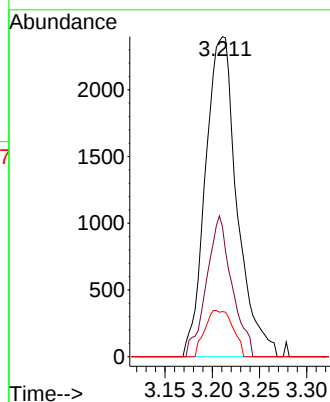
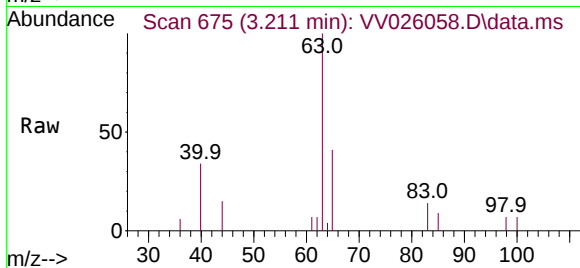
Tgt Ion: 63 Resp: 5578

Ion Ratio Lower Upper

63 100

65 40.6 23.1 42.9

83 14.1 9.7 18.1



#22

cis-1,2-Dichloroethene

Concen: 0.994 ug/L

RT: 3.931 min Scan# 899

Delta R.T. 0.010 min

Lab File: VV026058.D

Acq: 09 Jun 2022 16:33

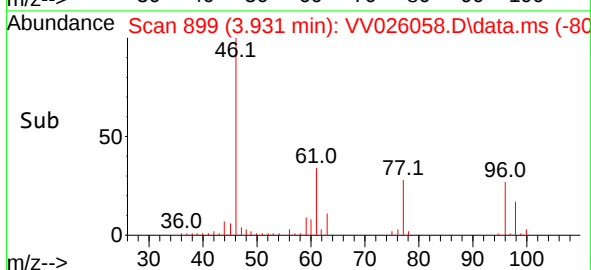
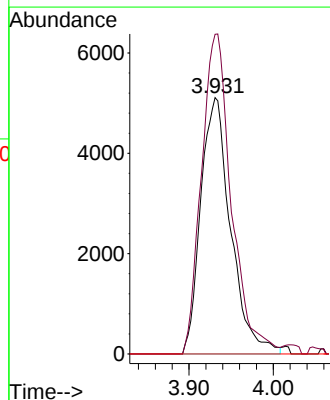
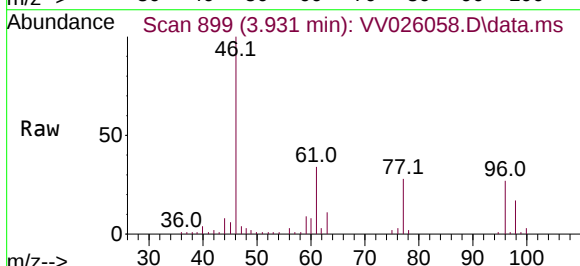
Tgt Ion: 96 Resp: 12611

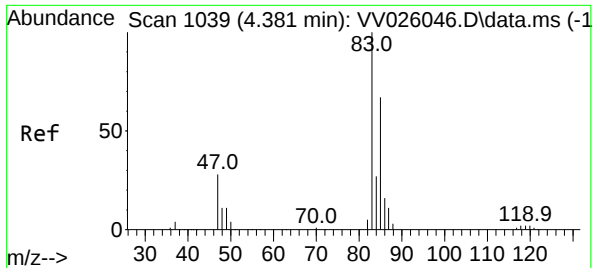
Ion Ratio Lower Upper

96 100

61 124.7 83.1 154.3

68 0.0 0.0 0.0

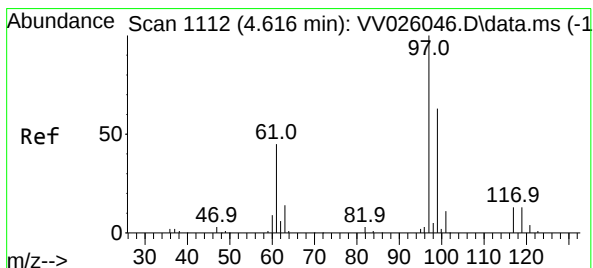
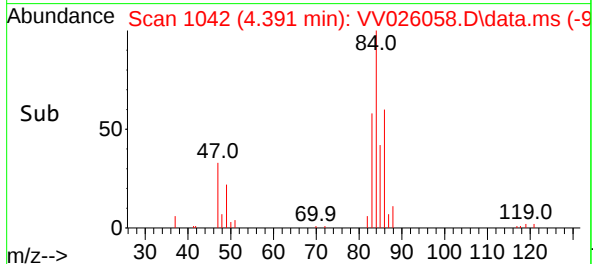
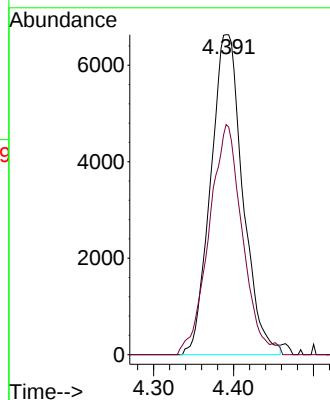
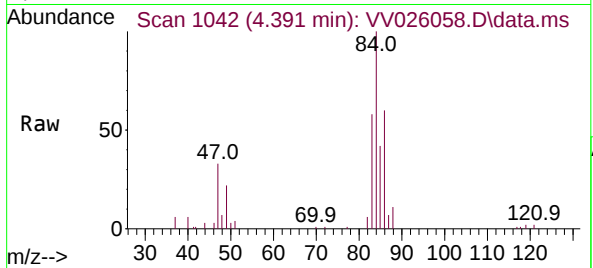




#25  
Chloroform  
Concen: 0.771 ug/L  
RT: 4.391 min Scan# 1104  
Delta R.T. 0.010 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

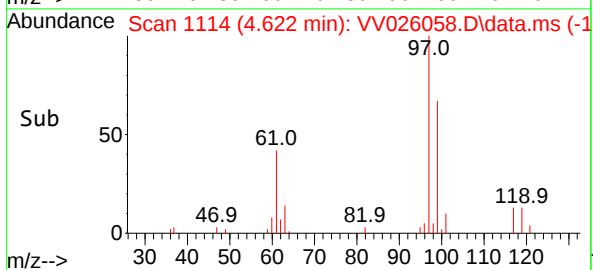
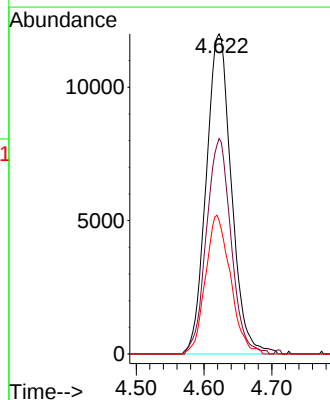
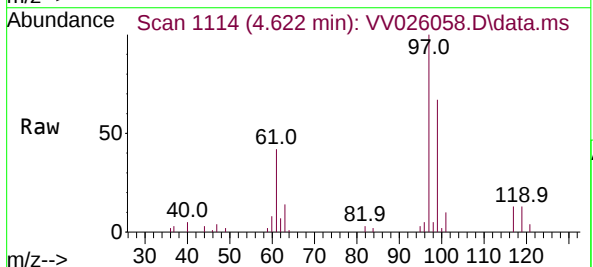
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW1

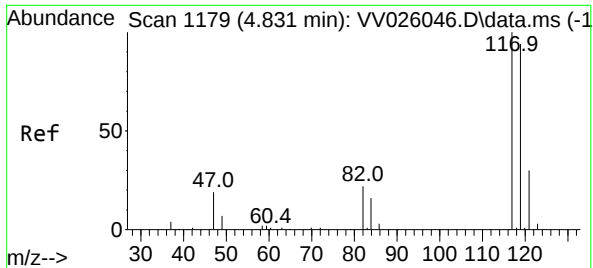
Tgt Ion: 83 Resp: 18531  
Ion Ratio Lower Upper  
83 100  
85 71.9 45.2 84.0



#29  
1,1,1-Trichloroethane  
Concen: 1.414 ug/L  
RT: 4.622 min Scan# 1114  
Delta R.T. 0.007 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

Tgt Ion: 97 Resp: 31008  
Ion Ratio Lower Upper  
97 100  
99 65.9 51.4 77.0  
61 42.9 34.9 52.3

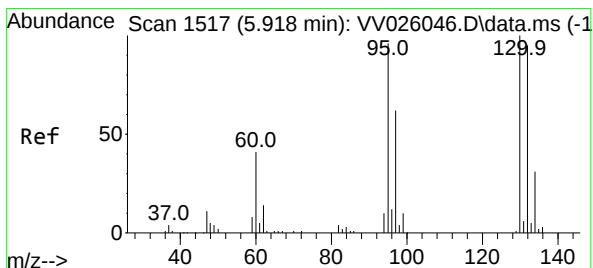
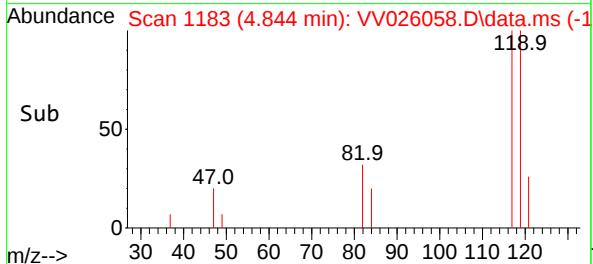
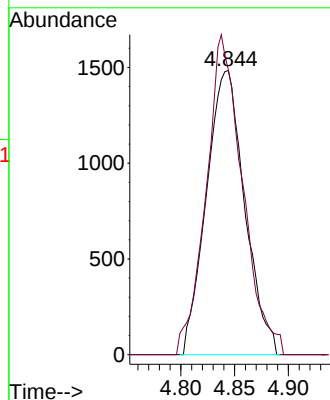
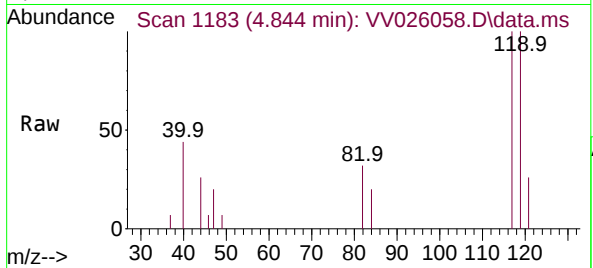




#31  
Carbon tetrachloride  
Concen: 0.204 ug/L  
RT: 4.844 min Scan# 1179  
Delta R.T. 0.013 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

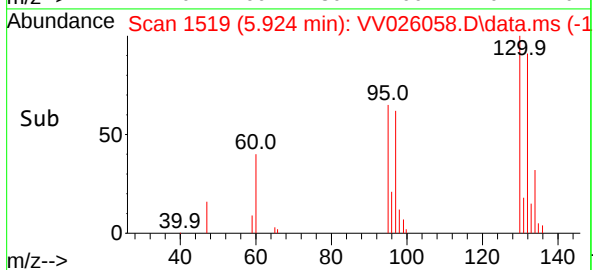
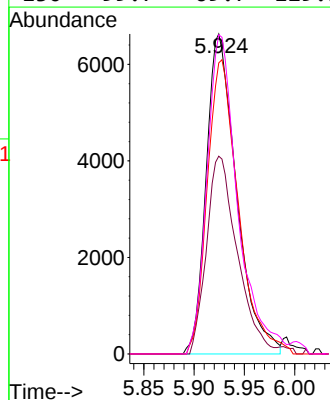
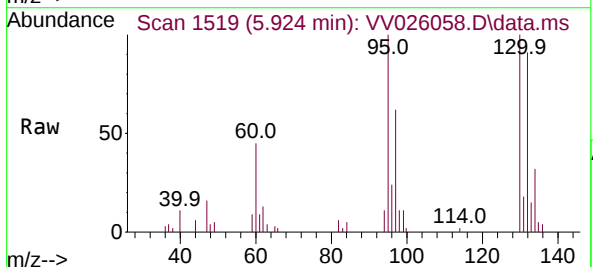
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW1

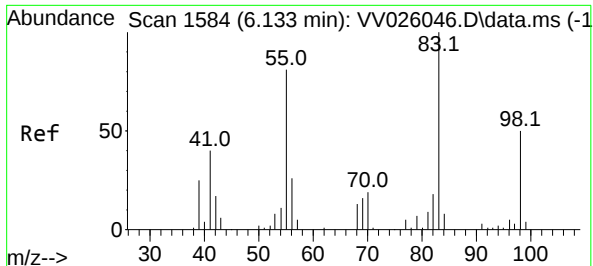
Tgt Ion:117 Resp: 3672  
Ion Ratio Lower Upper  
117 100  
119 106.8 78.7 118.1



#34  
Trichloroethene  
Concen: 1.013 ug/L  
RT: 5.924 min Scan# 1519  
Delta R.T. 0.007 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

Tgt Ion: 95 Resp: 13902  
Ion Ratio Lower Upper  
95 100  
97 61.8 44.0 81.6  
132 91.0 67.5 125.4  
130 99.7 69.7 129.5

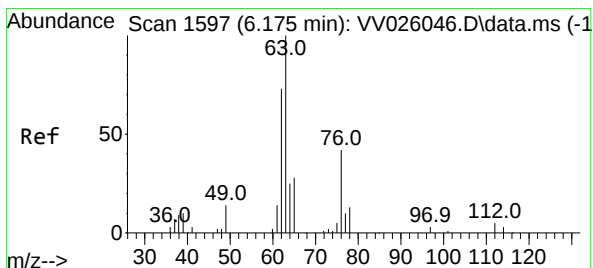
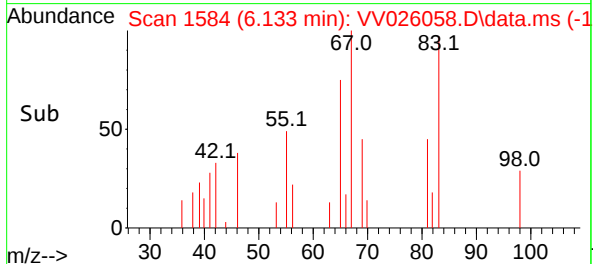
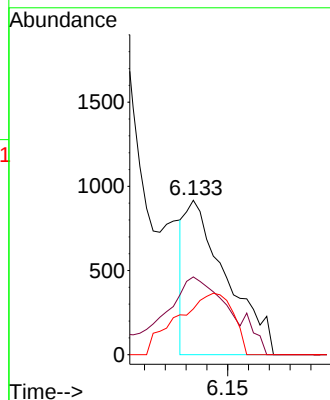
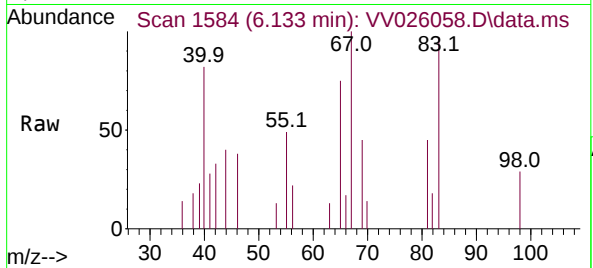




#35  
Methylcyclohexane  
Concen: 0.060 ug/L  
RT: 6.133 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

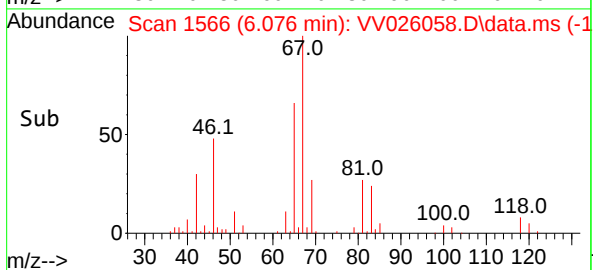
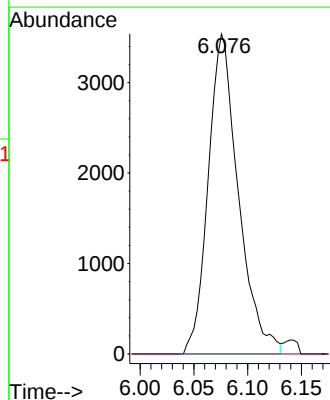
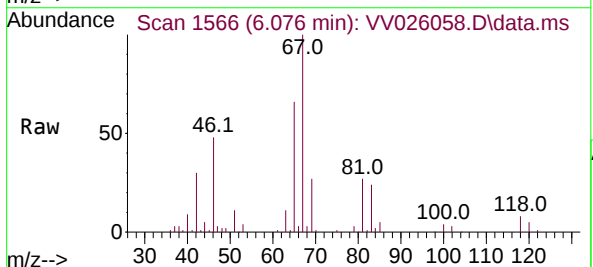
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW1

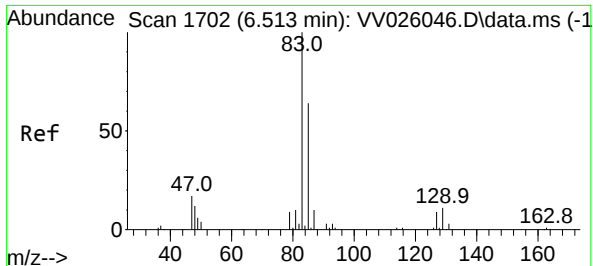
Tgt Ion: 83 Resp: 1271  
Ion Ratio Lower Upper  
83 100  
55 79.2 59.4 89.0  
98 53.2 38.9 58.3



#37  
1,2-Dichloropropane  
Concen: 0.542 ug/L  
RT: 6.076 min Scan# 1566  
Delta R.T. -0.099 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

Tgt Ion: 63 Resp: 6901  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#

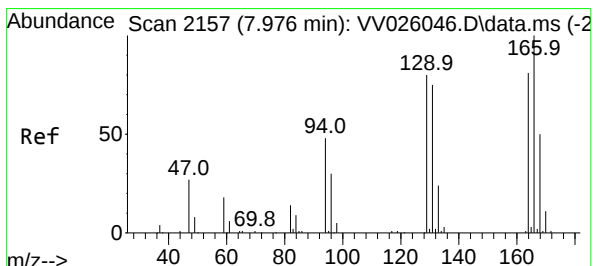
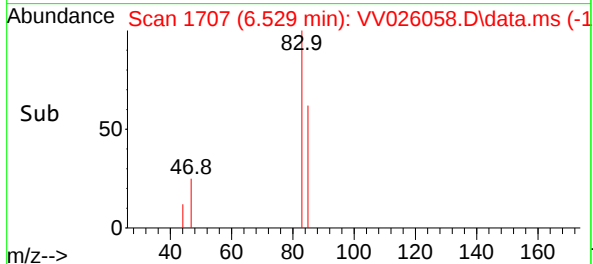
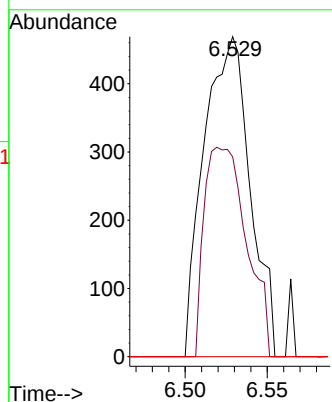
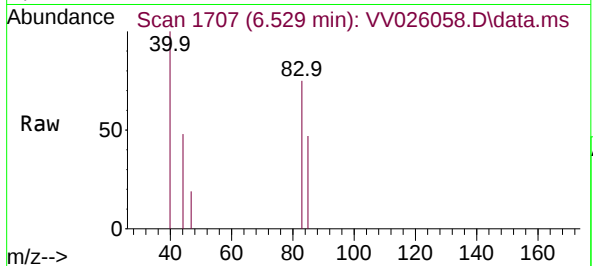




#38  
Bromodichloromethane  
Concen: 0.060 ug/L  
RT: 6.529 min Scan# 11  
Delta R.T. 0.016 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

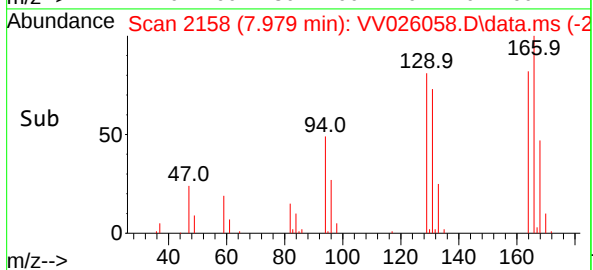
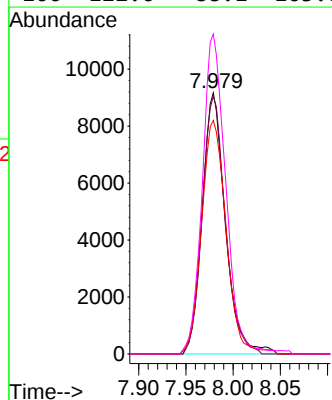
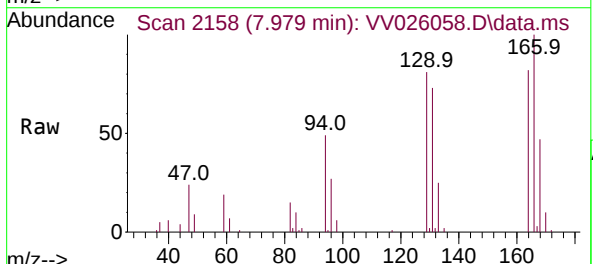
Instrument :  
MSVOA\_V  
ClientSampleId :  
EXYW1

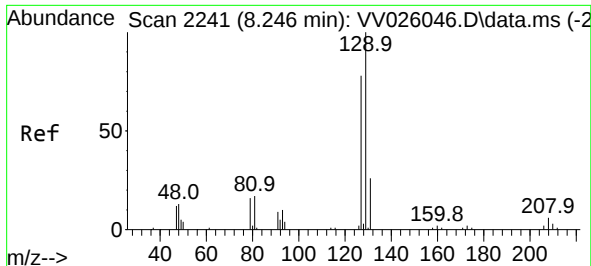
Tgt Ion: 83 Resp: 918  
Ion Ratio Lower Upper  
83 100  
85 62.5 44.8 83.2  
127 0.0 6.6 10.0#



#47  
Tetrachloroethene  
Concen: 1.468 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.003 min  
Lab File: VV026058.D  
Acq: 09 Jun 2022 16:33

Tgt Ion: 164 Resp: 15589  
Ion Ratio Lower Upper  
164 100  
129 98.7 68.3 126.9  
131 89.5 66.5 123.5  
166 122.6 88.1 163.7





#49

Dibromochloromethane

Concen: 1.687 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV026058.D

Acq: 09 Jun 2022 16:33

Instrument :

MSVOA\_V

ClientSampleId :

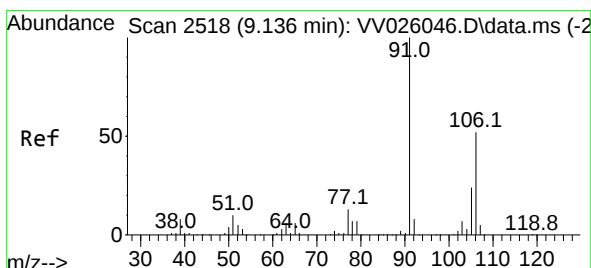
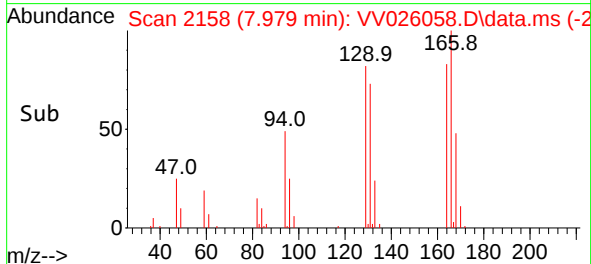
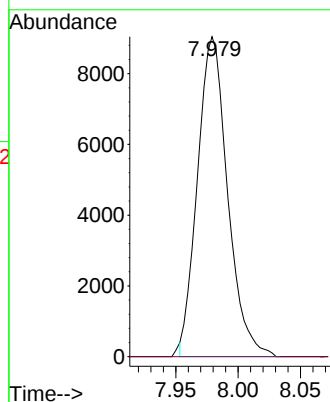
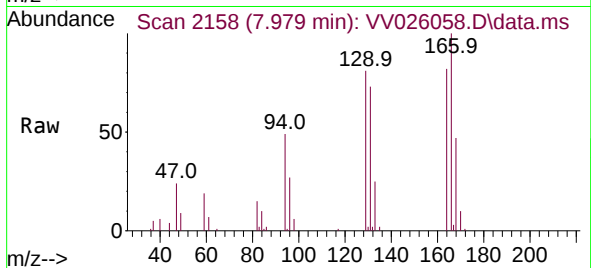
EXYW1

Tgt Ion:129 Resp: 15215

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#53

m,p-Xylene

Concen: 0.030 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.013 min

Lab File: VV026058.D

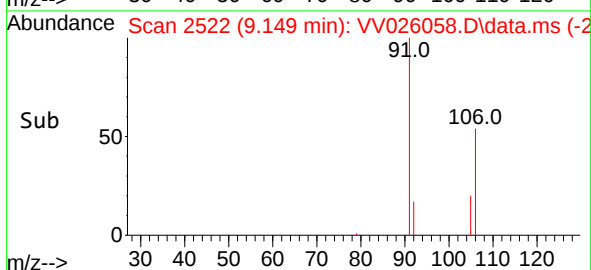
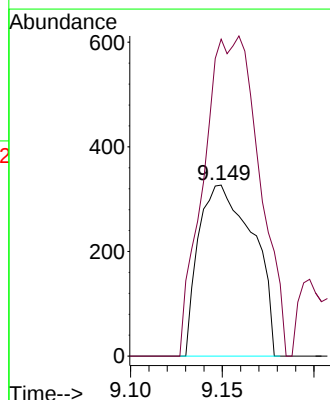
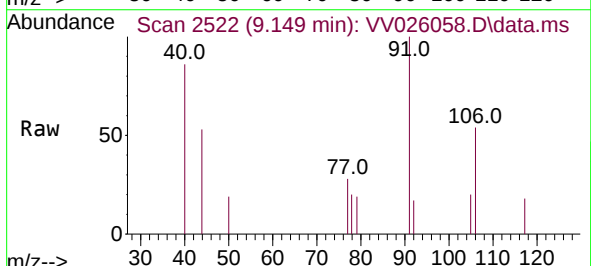
Acq: 09 Jun 2022 16:33

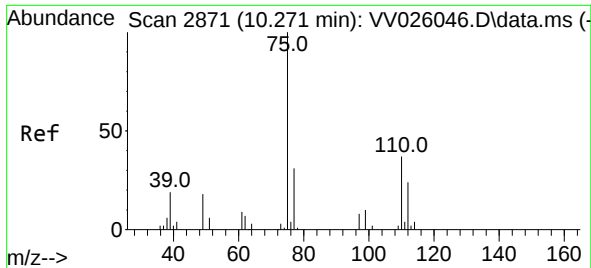
Tgt Ion:106 Resp: 675

Ion Ratio Lower Upper

106 100

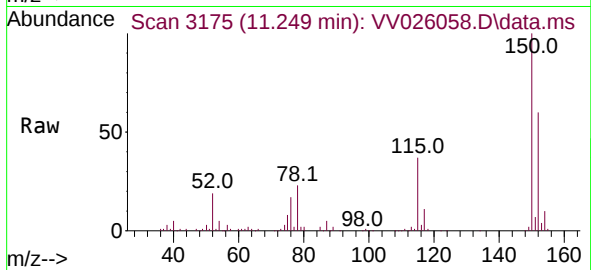
91 185.3 140.4 260.8





#61  
 1,2,3-Trichloropropane  
 Concen: 1.636 ug/L  
 RT: 11.249 min Scan# 31  
 Delta R.T. 0.978 min  
 Lab File: VV026058.D  
 Acq: 09 Jun 2022 16:33

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXYW1



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8339  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.8  | 26.6  | 40.0  |
| 110      | 2.2   | 32.0  | 48.0  |

