

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041322\  
 Data File : VW025497.D  
 Acq On : 13 Apr 2022 17:09  
 Operator : SY/MD  
 Sample : N2356-14  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 14 03:11:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 14 03:09:10 2022  
 Response via : Initial Calibration

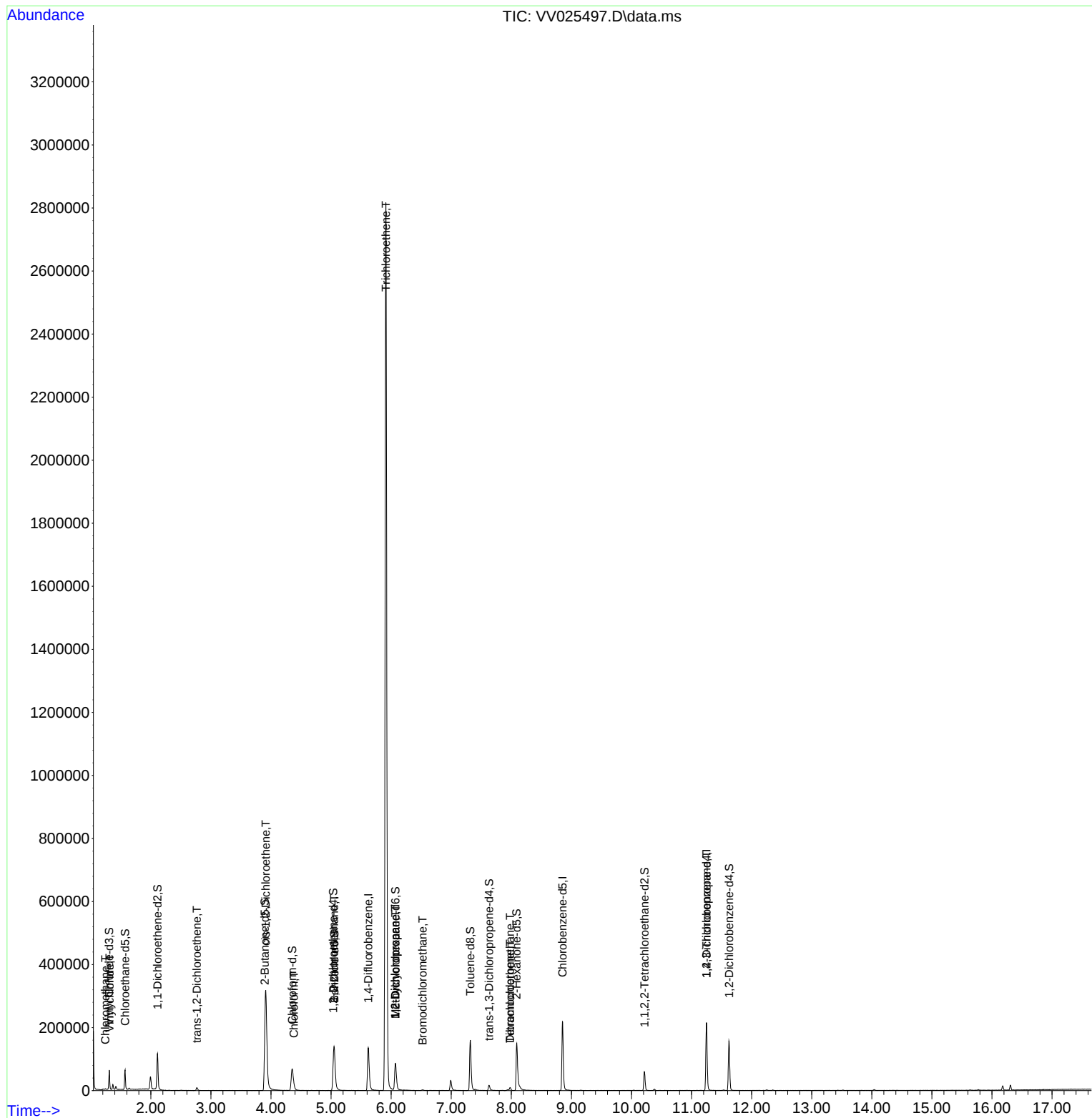
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 119211   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 118530   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 56755    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 35981    | 3.246    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 65.000%  |
| 7) Chloroethane-d5            | 1.571  | 69    | 37211    | 3.156    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 63.200%# |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 59541    | 2.682    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 53.600%# |
| 20) 2-Butanone-d5             | 3.896  | 46    | 67990    | 50.432   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.860% |
| 24) Chloroform-d              | 4.352  | 84    | 68939    | 4.116    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 33318    | 4.617    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.400%  |
| 32) Benzene-d6                | 5.053  | 84    | 128724   | 3.753    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 75.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 41127    | 4.300    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 86.000%  |
| 41) Toluene-d8                | 7.317  | 98    | 107854   | 3.389    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.800%# |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 10809    | 3.362    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 67.200%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 50833    | 45.053   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.100%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 28605    | 4.734    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 38847    | 4.082    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 81.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.243  | 50    | 536      | 0.046    | ug/L # | 57       |
| 5) Vinyl chloride             | 1.314  | 62    | 831      | 0.063    | ug/L # | 1        |
| 18) trans-1,2-Dichloroethene  | 2.767  | 96    | 3326     | 0.384    | ug/L   | 83       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 165632   | 18.158   | ug/L   | 98       |
| 25) Chloroform                | 4.381  | 83    | 8614     | 0.556    | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.050  | 62    | 752      | 0.092    | ug/L # | 71       |
| 34) Trichloroethene           | 5.912  | 95    | 943785   | 101.518  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.072  | 83    | 10176    | 0.686    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 4672     | 0.577    | ug/L # | 85       |
| 38) Bromodichloromethane      | 6.522  | 83    | 1689     | 0.168    | ug/L # | 86       |
| 47) Tetrachloroethene         | 7.979  | 164   | 1938     | 0.266    | ug/L # | 80       |
| 49) Dibromochloromethane      | 7.979  | 129   | 2204     | 0.370    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 6848     | 1.832    | ug/L # | 62       |
| -----                         |        |       |          |          |        |          |

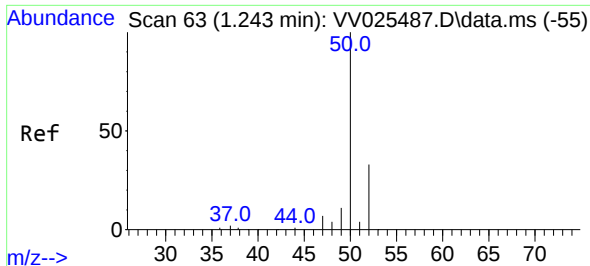
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041322\  
Data File : VV025497.D  
Acq On : 13 Apr 2022 17:09  
Operator : SY/MD  
Sample : N2356-14  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Apr 14 03:11:59 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Apr 14 03:09:10 2022  
Response via : Initial Calibration

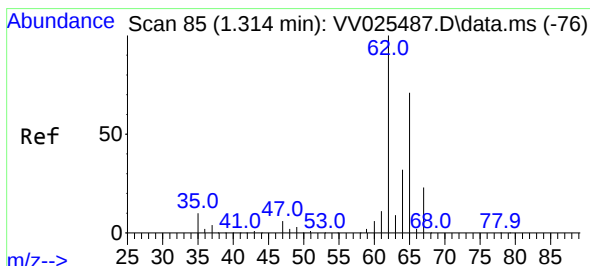
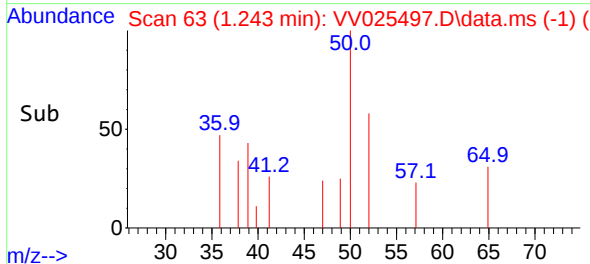
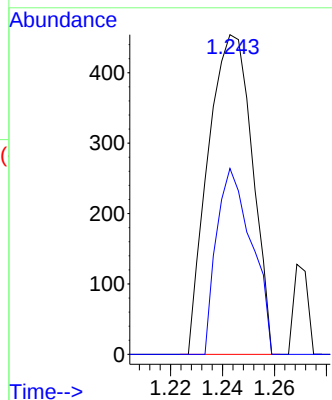
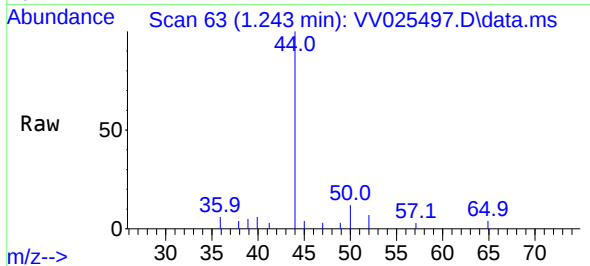




#3  
Chloromethane  
Concen: 0.046 ug/L  
RT: 1.243 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

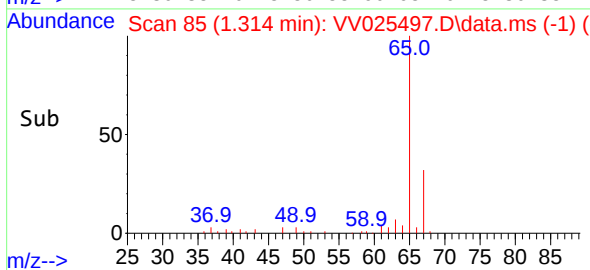
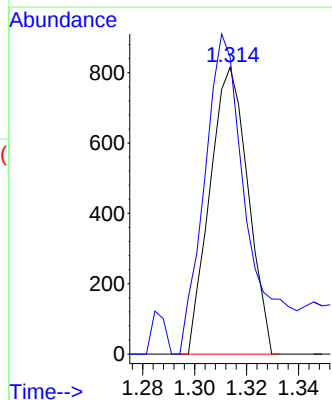
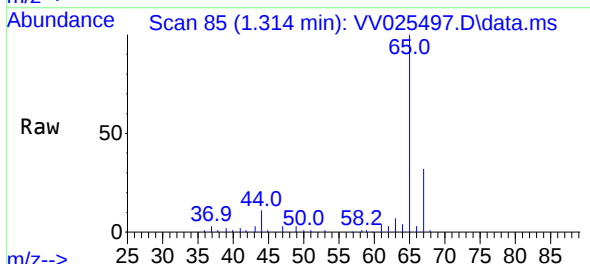
Instrument :  
MSVOA\_V  
ClientSampleId :

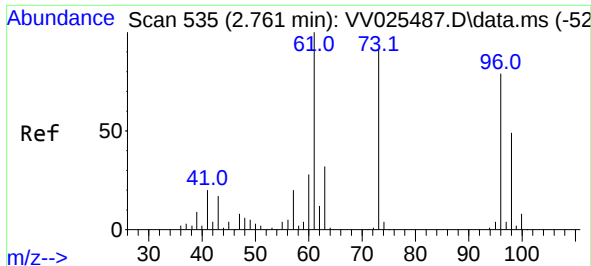
Tgt Ion: 50 Resp: 536  
Ion Ratio Lower Upper  
50 100  
52 58.1 23.7 43.9#



#5  
Vinyl chloride  
Concen: 0.063 ug/L  
RT: 1.314 min Scan# 85  
Delta R.T. 0.000 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

Tgt Ion: 62 Resp: 831  
Ion Ratio Lower Upper  
62 100  
64 103.6 23.2 43.2#

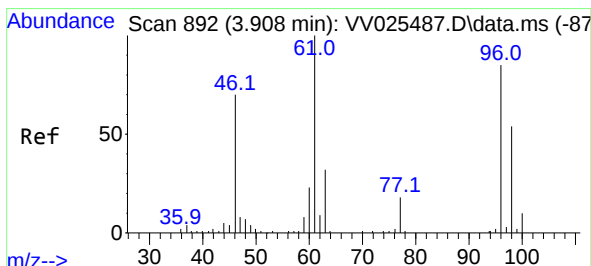
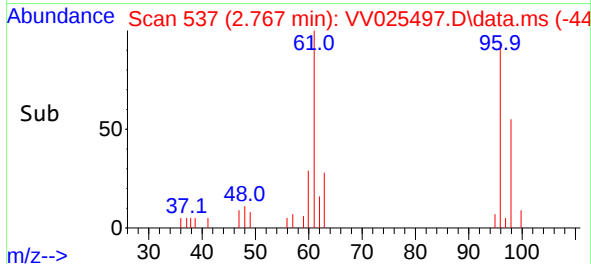
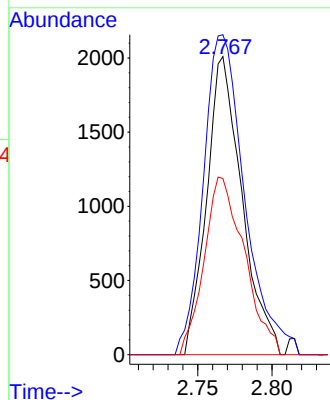
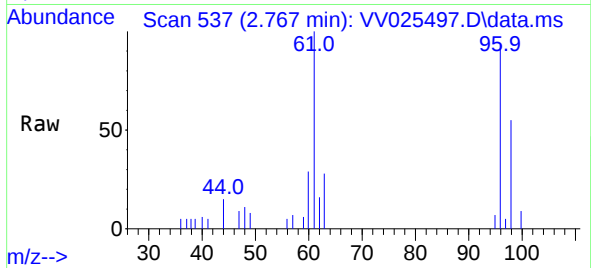




#18  
trans-1,2-Dichloroethene  
Concen: 0.384 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

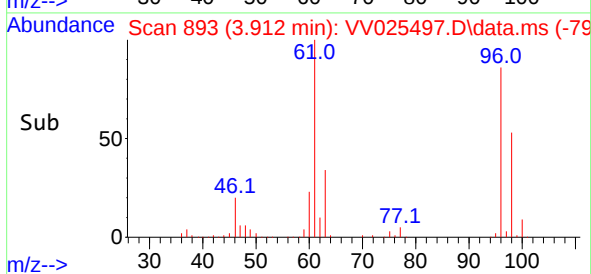
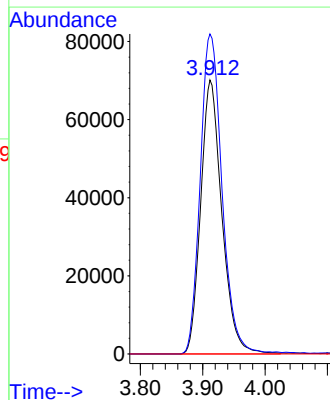
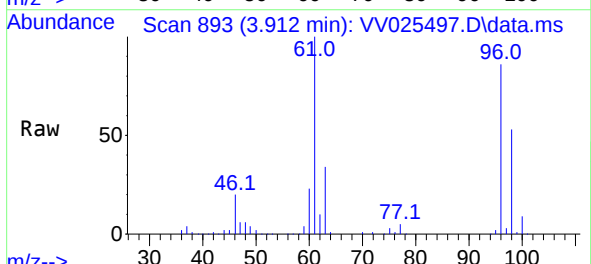
Instrument :  
MSVOA\_V  
ClientSampleId :

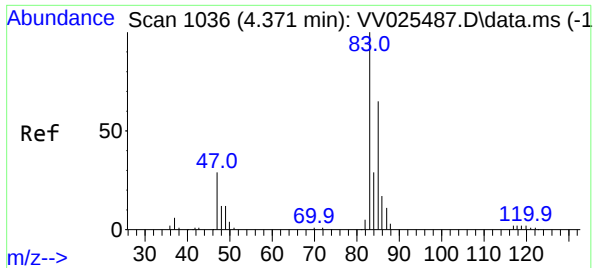
Tgt Ion: 96 Resp: 3326  
Ion Ratio Lower Upper  
96 100  
61 107.4 92.1 171.1  
98 59.1 47.5 88.1



#22  
cis-1,2-Dichloroethene  
Concen: 18.158 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.003 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

Tgt Ion: 96 Resp: 165632  
Ion Ratio Lower Upper  
96 100  
61 116.8 80.0 148.6  
68 0.0 0.0 0.0

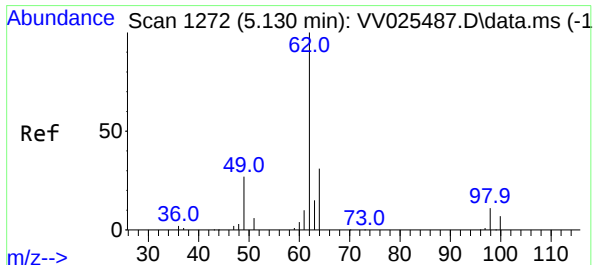
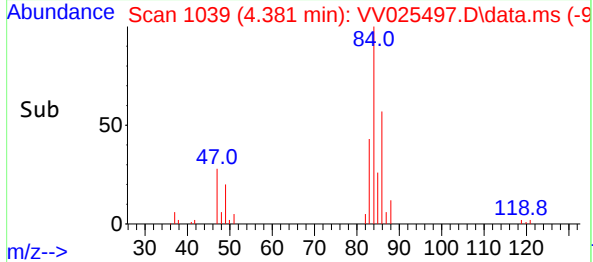
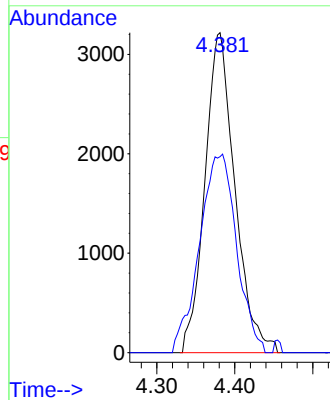
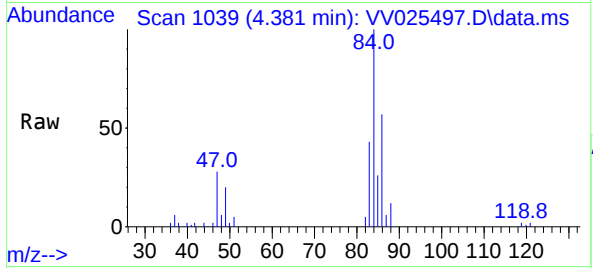




#25  
Chloroform  
Concen: 0.556 ug/L  
RT: 4.381 min Scan# 1036  
Delta R.T. 0.010 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

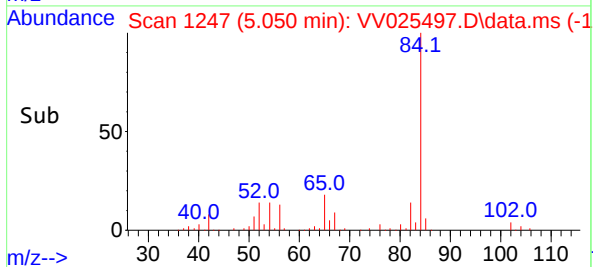
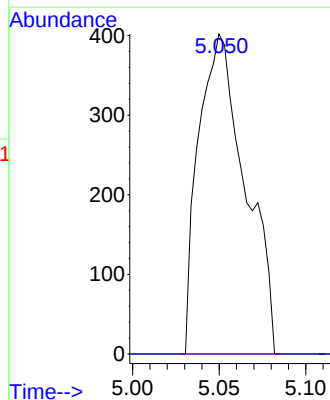
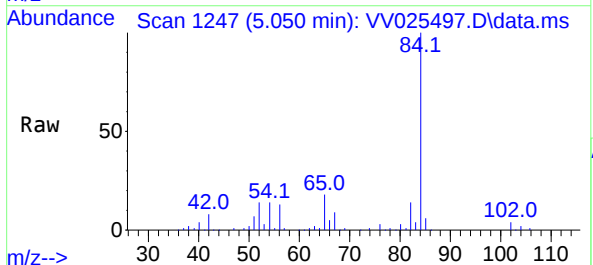
Instrument :  
MSVOA\_V  
ClientSampleId :

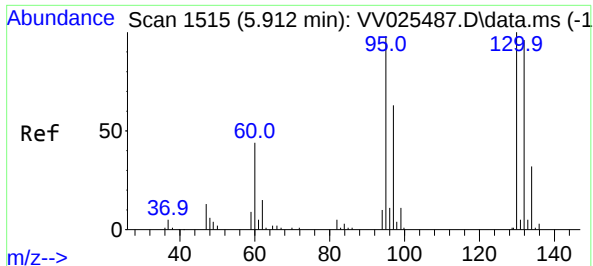
Tgt Ion: 83 Resp: 8614  
Ion Ratio Lower Upper  
83 100  
85 61.2 43.5 80.7



#27  
1,2-Dichloroethane  
Concen: 0.092 ug/L  
RT: 5.050 min Scan# 1247  
Delta R.T. -0.080 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

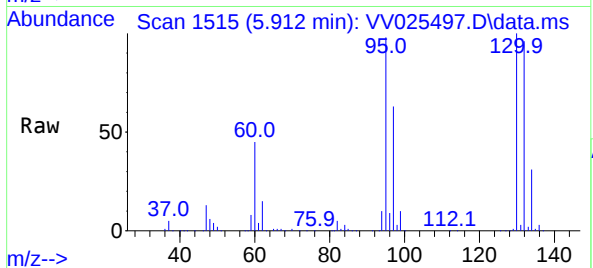
Tgt Ion: 62 Resp: 752  
Ion Ratio Lower Upper  
62 100  
98 0.0 8.8 13.2#



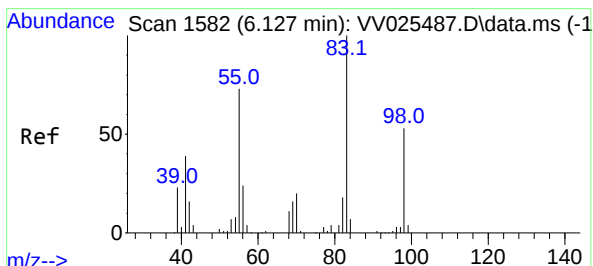
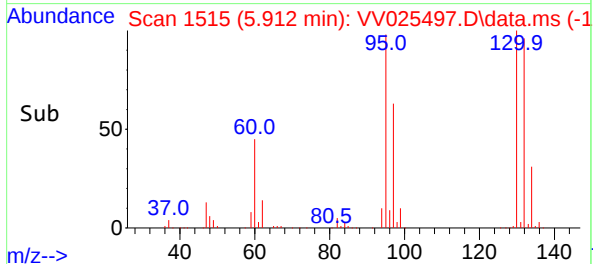
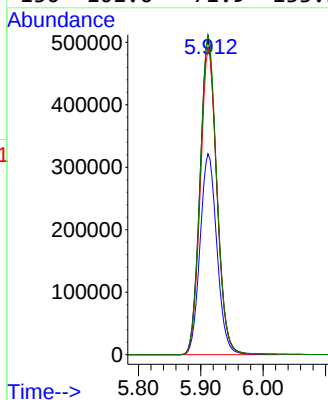


#34  
Trichloroethene  
Concen: 101.518 ug/L  
RT: 5.912 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

Instrument :  
MSVOA\_V  
ClientSampleId :

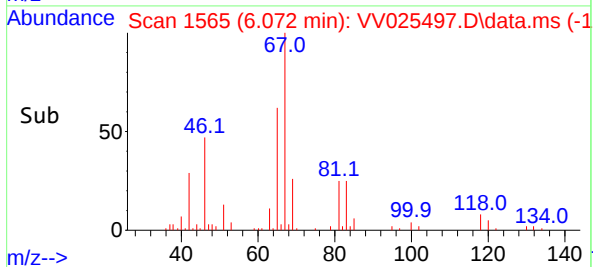
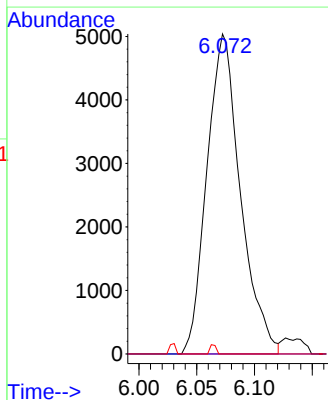
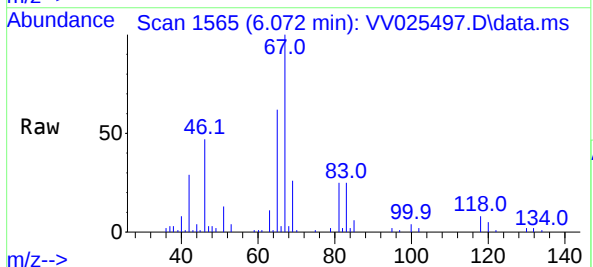


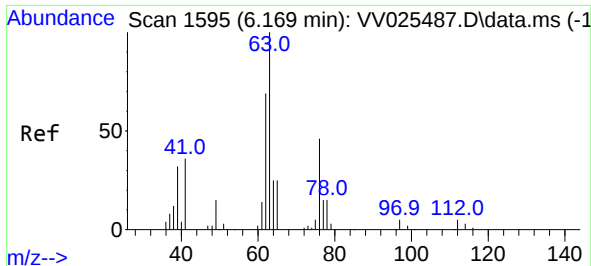
Tgt Ion: 95 Resp: 943785  
Ion Ratio Lower Upper  
95 100  
97 63.7 45.8 85.2  
132 97.0 68.0 126.4  
130 101.6 71.9 133.5



#35  
Methylcyclohexane  
Concen: 0.686 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.055 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

Tgt Ion: 83 Resp: 10176  
Ion Ratio Lower Upper  
83 100  
55 0.0 53.7 80.5#  
98 0.0 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 0.577 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV025497.D

Acq: 13 Apr 2022 17:09

Instrument :

MSVOA\_V

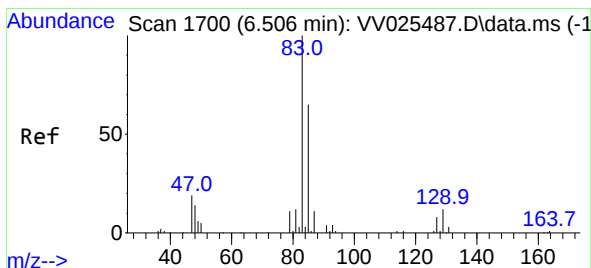
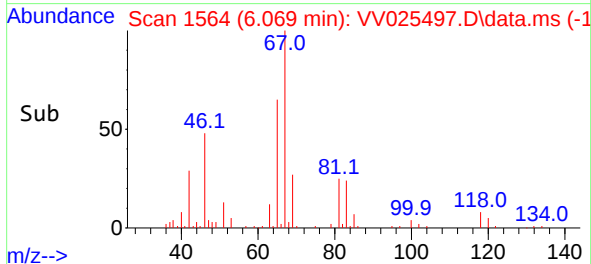
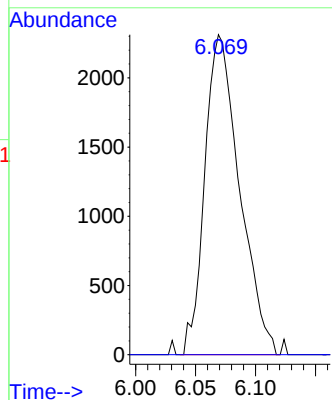
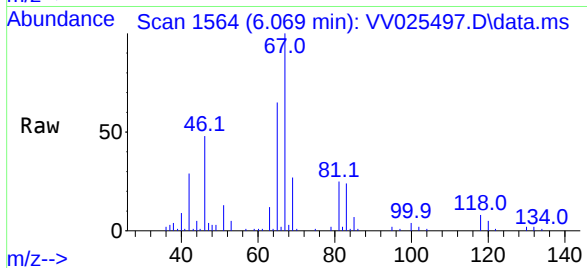
ClientSampleId :

Tgt Ion: 63 Resp: 4672

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.168 ug/L

RT: 6.522 min Scan# 1705

Delta R.T. 0.016 min

Lab File: VV025497.D

Acq: 13 Apr 2022 17:09

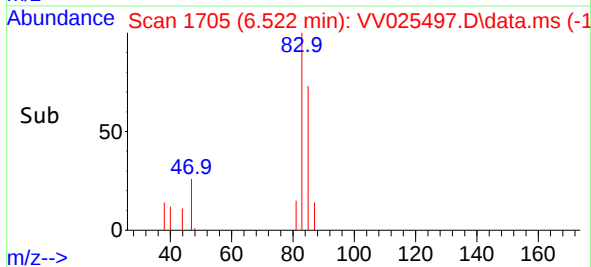
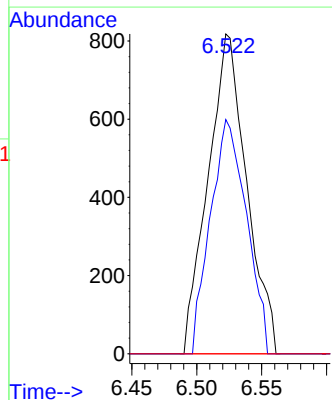
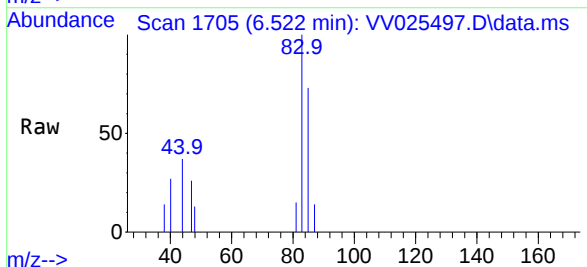
Tgt Ion: 83 Resp: 1689

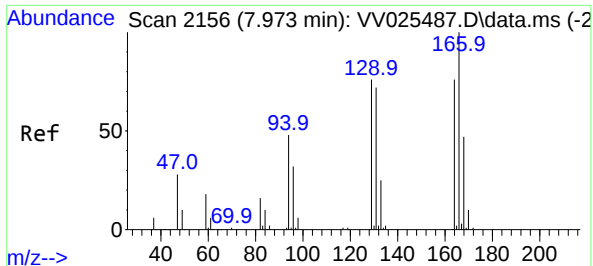
Ion Ratio Lower Upper

83 100

85 73.2 44.4 82.4

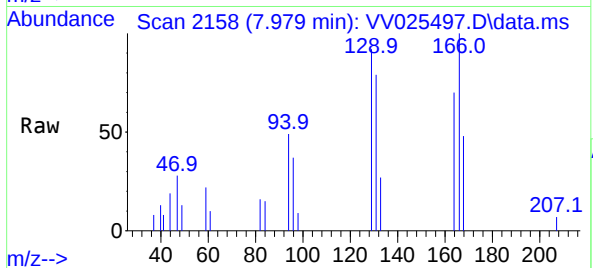
127 0.0 7.2 10.8#





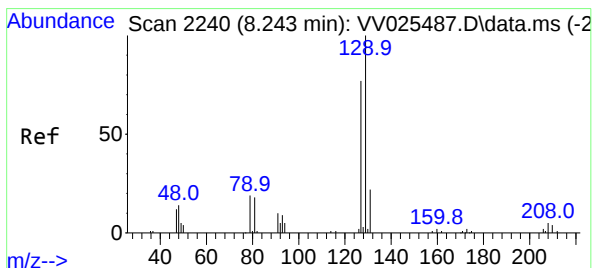
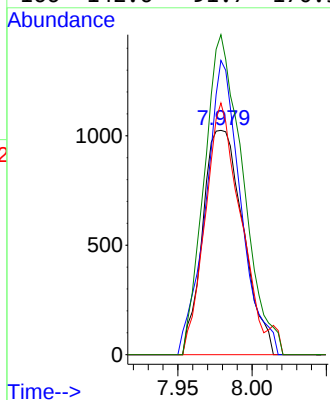
#47  
Tetrachloroethene  
Concen: 0.266 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.006 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:164 Resp: 1938

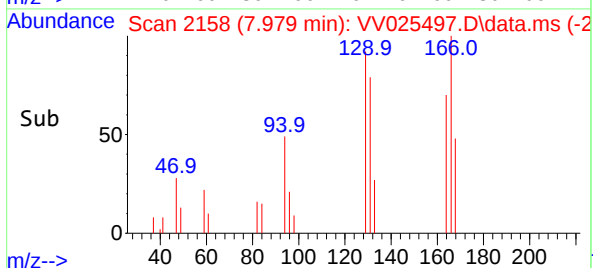
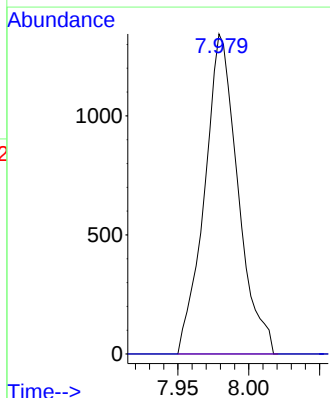
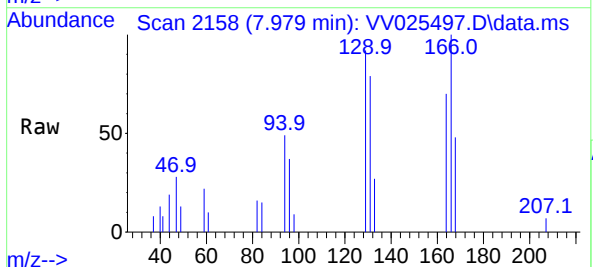
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 164 | 100   |       |        |
| 129 | 131.1 | 66.8  | 124.2# |
| 131 | 112.2 | 66.4  | 123.4  |
| 166 | 142.6 | 91.7  | 170.3  |

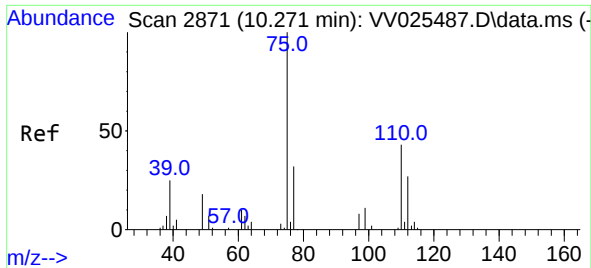


#49  
Dibromochloromethane  
Concen: 0.370 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. -0.264 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

Tgt Ion:129 Resp: 2204

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 129 | 100   |       |        |
| 127 | 0.0   | 53.8  | 100.0# |





#61  
1,2,3-Trichloropropane  
Concen: 1.832 ug/L  
RT: 11.249 min Scan# 31  
Delta R.T. 0.977 min  
Lab File: VV025497.D  
Acq: 13 Apr 2022 17:09

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 75 Resp: 6848  
Ion Ratio Lower Upper  
75 100  
77 34.0 25.6 38.4  
110 3.1 34.7 52.1#

