

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100521\  
 Data File : VW022588.D  
 Acq On : 05 Oct 2021 23:23  
 Operator : SY/MD  
 Sample : M4051-03  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 06 08:06:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 06 07:50:25 2021  
 Response via : Initial Calibration

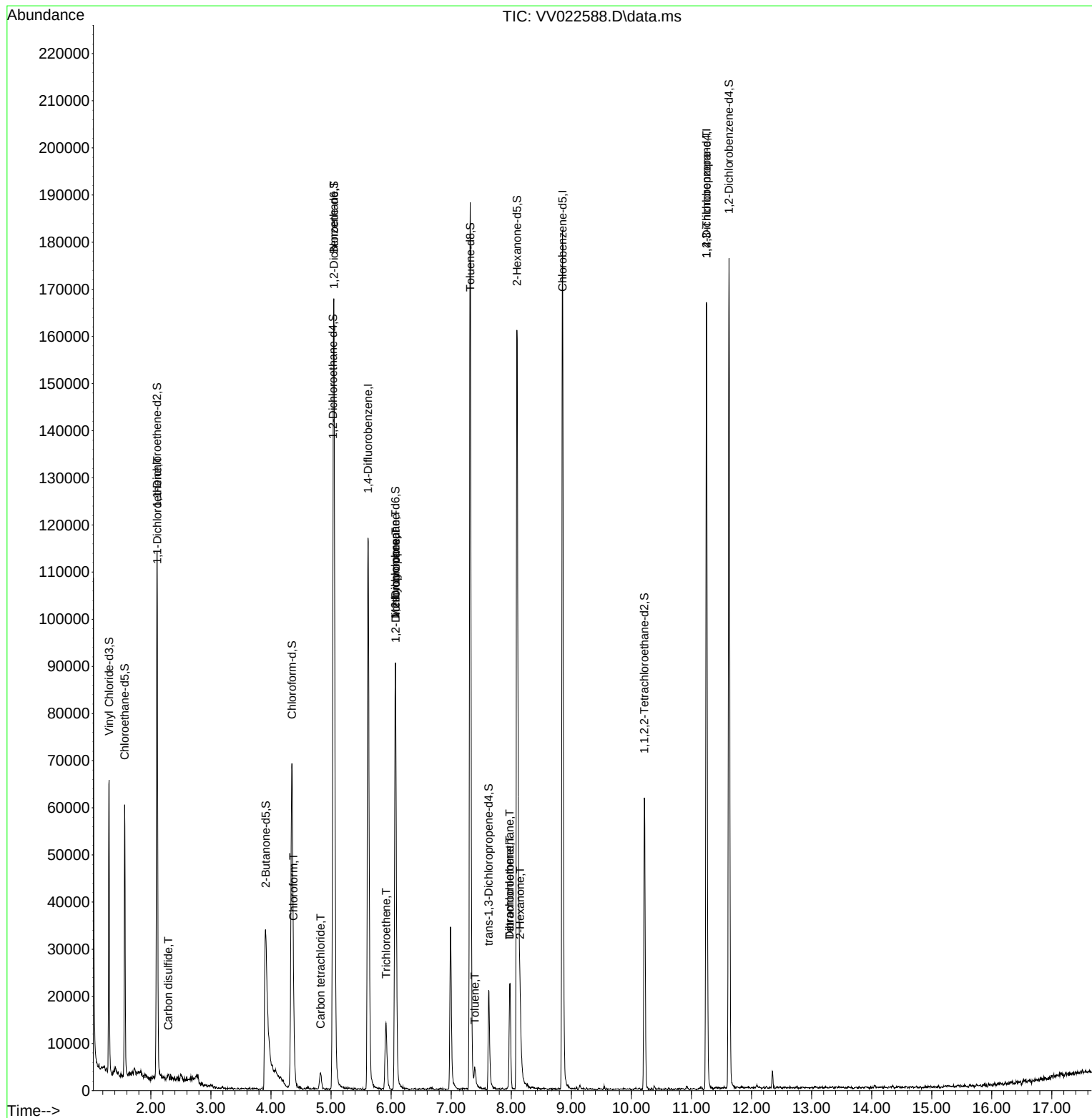
| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 105611   | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 102861   | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 45840    | 5.000  | ug/L      | 0.00     |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65             | 38531    | 11.387 | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 227.800%# |          |
| 7) Chloroethane-d5            | 1.564  | 69             | 35252    | 7.729  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 154.600%# |          |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63             | 58231    | 5.931  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 118.600%  |          |
| 20) 2-Butanone-d5             | 3.912  | 46             | 77710    | 38.851 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 77.700%   |          |
| 24) Chloroform-d              | 4.349  | 84             | 70221    | 5.389  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 107.800%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 35157    | 5.728  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 114.600%  |          |
| 32) Benzene-d6                | 5.047  | 84             | 147307   | 6.355  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 127.200%# |          |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67             | 44246    | 5.410  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 108.200%  |          |
| 41) Toluene-d8                | 7.317  | 98             | 124889   | 6.427  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 128.600%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 12870    | 5.947  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 119.000%  |          |
| 46) 2-Hexanone-d5             | 8.095  | 63             | 59894    | 44.696 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 89.400%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 30240    | 4.867  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 97.400%   |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 47436    | 6.690  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 133.800%# |          |
| Target Compounds              |        |                |          |        |           |          |
|                               |        |                |          |        | Qvalue    |          |
| 12) 1,1-Dichloroethene        | 2.108  | 96             | 978      | 0.151  | ug/L #    | 1        |
| 14) Carbon disulfide          | 2.291  | 76             | 1203     | 0.064  | ug/L #    | 71       |
| 25) Chloroform                | 4.375  | 83             | 8594     | 0.622  | ug/L      | 94       |
| 27) 1,2-Dichloroethane        | 5.050  | 62             | 843      | 0.115  | ug/L #    | 74       |
| 31) Carbon tetrachloride      | 4.825  | 117            | 2601     | 0.249  | ug/L      | 97       |
| 34) Trichloroethene           | 5.915  | 95             | 3881     | 0.482  | ug/L      | 81       |
| 35) Methylcyclohexane         | 6.072  | 83             | 10726    | 0.950  | ug/L #    | 19       |
| 37) 1,2-Dichloropropane       | 6.075  | 63             | 4796     | 0.709  | ug/L #    | 84       |
| 42) Toluene                   | 7.394  | 91             | 3363     | 0.115  | ug/L      | 89       |
| 47) Tetrachloroethene         | 7.976  | 164            | 5512     | 0.880  | ug/L      | 95       |
| 48) 2-Hexanone                | 8.146  | 43             | 7721     | 2.881  | ug/L #    | 80       |
| 49) Dibromochloromethane      | 7.976  | 129            | 5065     | 0.851  | ug/L #    | 12       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75             | 4960     | 1.460  | ug/L #    | 64       |

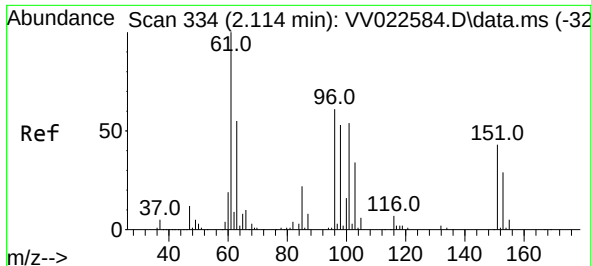
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100521\  
Data File : VV022588.D  
Acq On : 05 Oct 2021 23:23  
Operator : SY/MD  
Sample : M4051-03  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Oct 06 08:06:33 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Oct 06 07:50:25 2021  
Response via : Initial Calibration

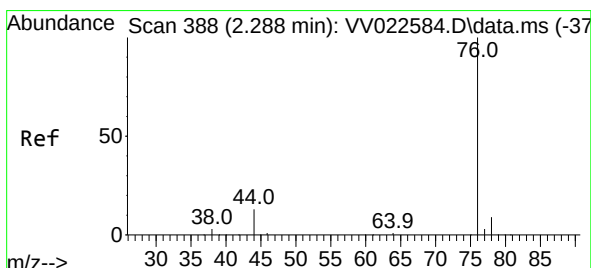
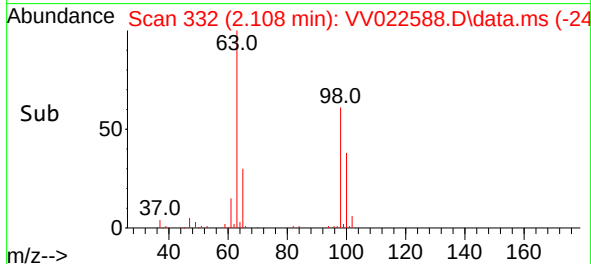
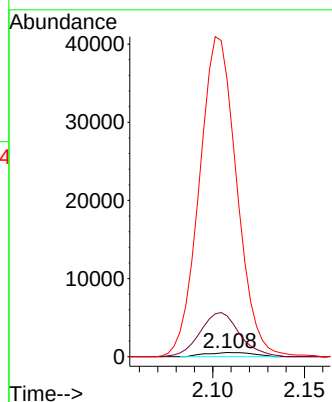
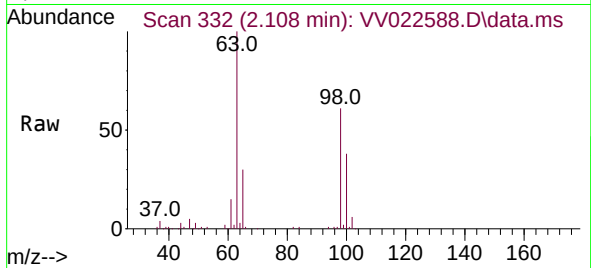




#12  
1,1-Dichloroethene  
Concen: 0.151 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.007 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

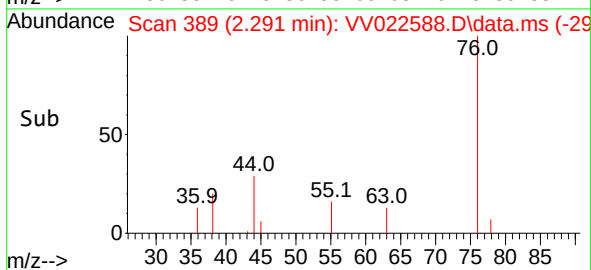
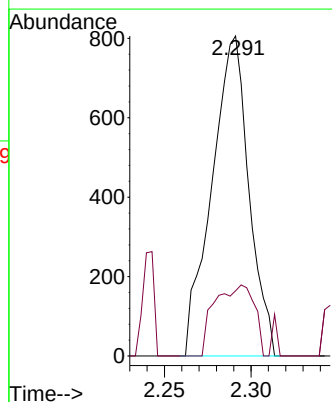
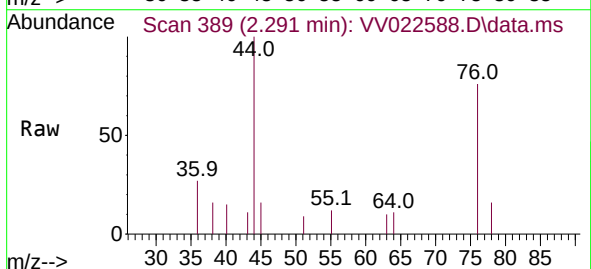
Instrument :  
MSVOA\_V  
ClientSampled :

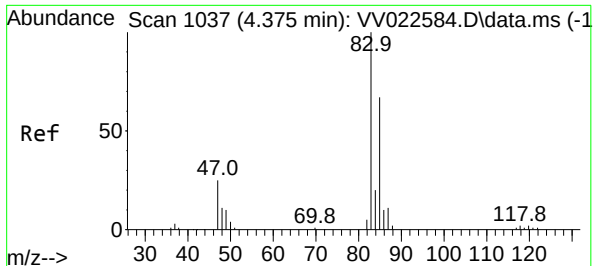
Tgt Ion: 96 Resp: 978  
Ion Ratio Lower Upper  
96 100  
61 982.5 113.2 210.2#  
63 6672.2 66.6 123.8#



#14  
Carbon disulfide  
Concen: 0.064 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

Tgt Ion: 76 Resp: 1203  
Ion Ratio Lower Upper  
76 100  
78 20.3 7.8 11.6#





#25

Chloroform

Concen: 0.622 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VV022588.D

Acq: 05 Oct 2021 23:23

Tgt Ion: 83 Resp: 8594

Ion Ratio Lower Upper

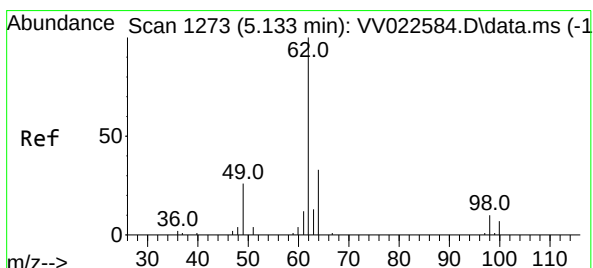
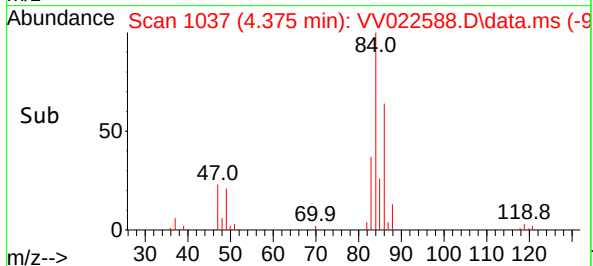
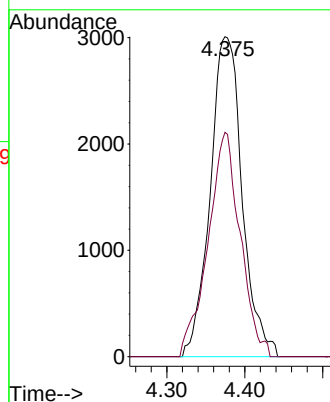
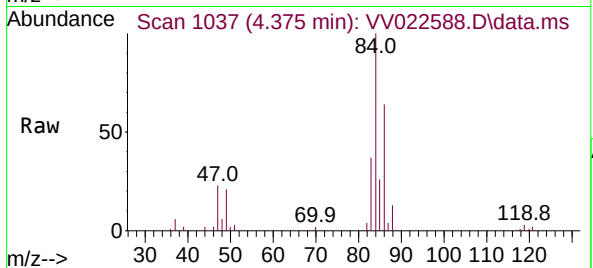
83 100

85 70.1 45.6 84.8

Instrument :

MSVOA\_V

ClientSampled :



#27

1,2-Dichloroethane

Concen: 0.115 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.084 min

Lab File: VV022588.D

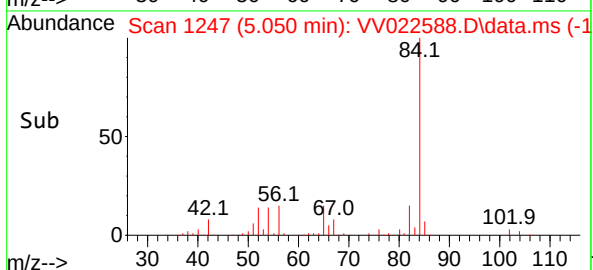
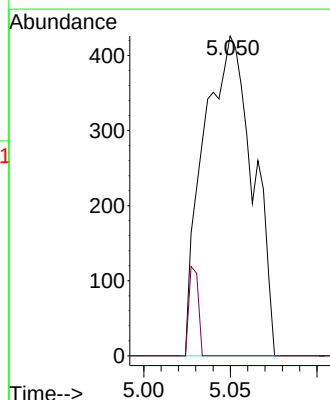
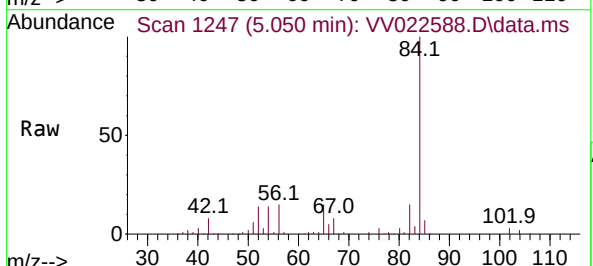
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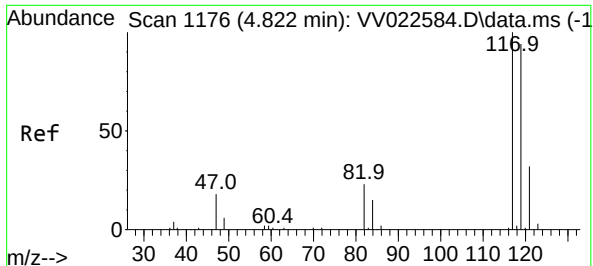
Tgt Ion: 62 Resp: 843

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#

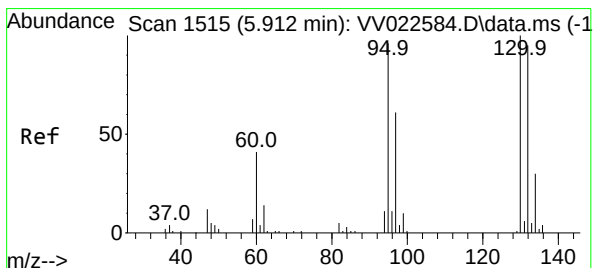
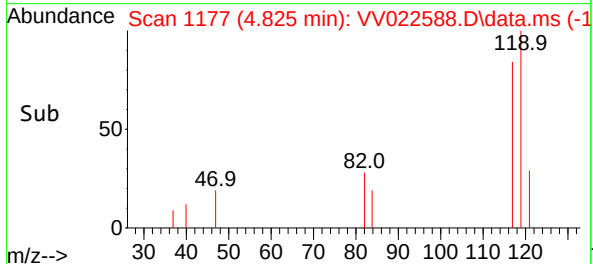
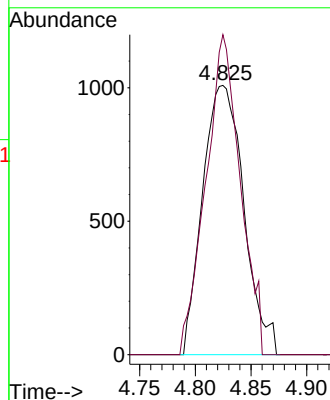
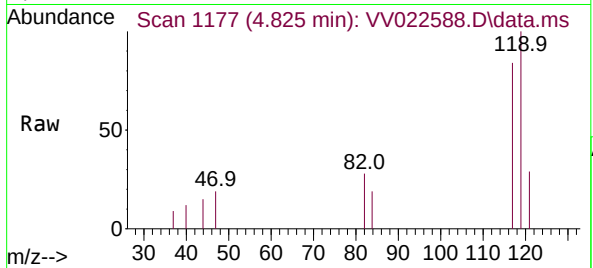




#31  
Carbon tetrachloride  
Concen: 0.249 ug/L  
RT: 4.825 min Scan# 1177  
Delta R.T. 0.003 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

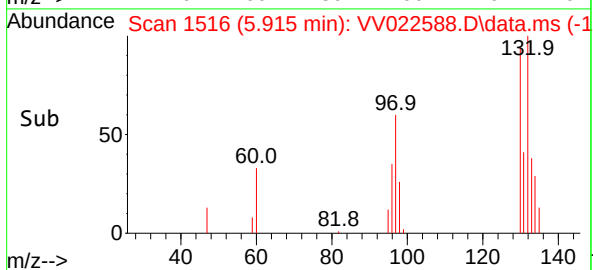
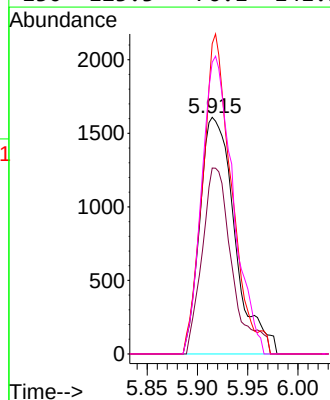
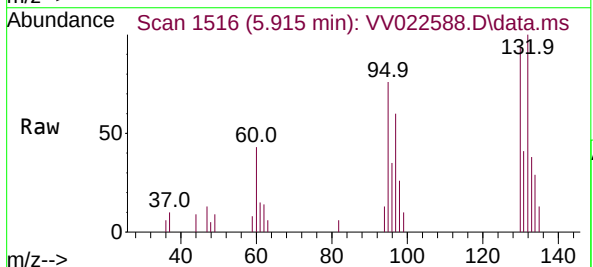
Instrument :  
MSVOA\_V  
ClientSampled :

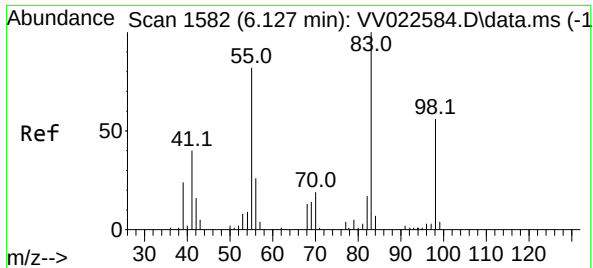
Tgt Ion:117 Resp: 2601  
Ion Ratio Lower Upper  
117 100  
119 99.2 76.9 115.3



#34  
Trichloroethene  
Concen: 0.482 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.003 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

Tgt Ion: 95 Resp: 3881  
Ion Ratio Lower Upper  
95 100  
97 78.6 46.5 86.5  
132 131.2 73.0 135.6  
130 123.3 76.1 141.3

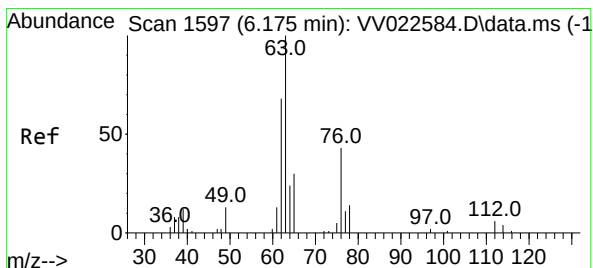
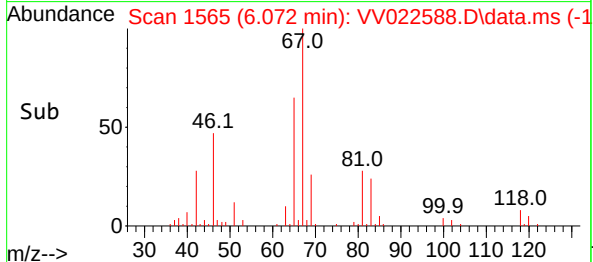
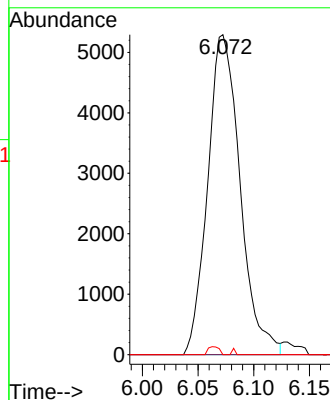
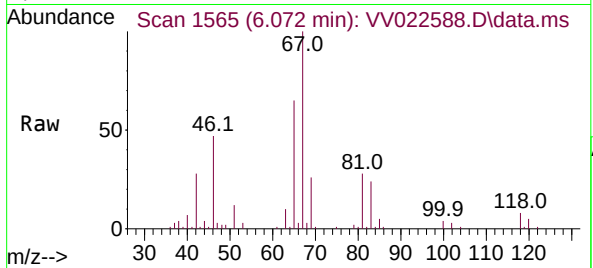




#35  
Methylcyclohexane  
Concen: 0.950 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.055 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

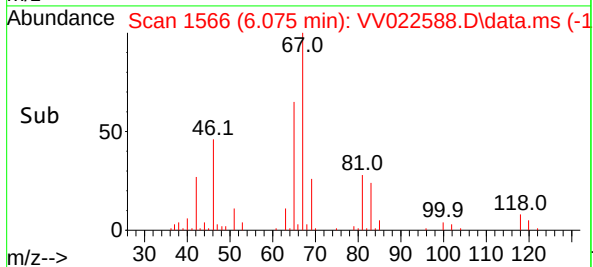
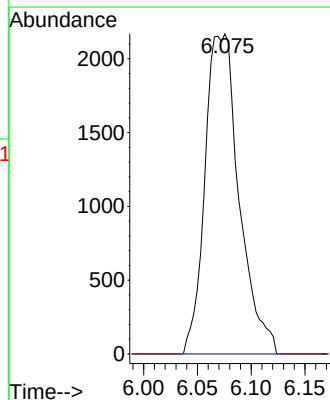
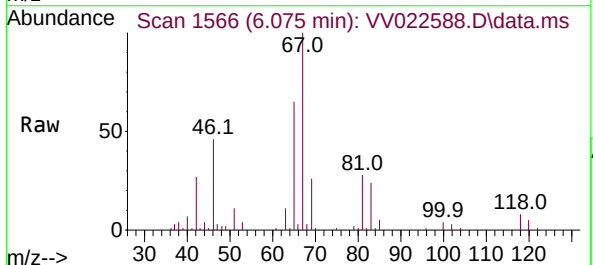
Instrument :  
MSVOA\_V  
ClientSampled :

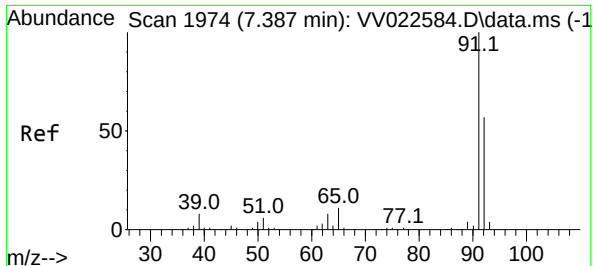
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 10726 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.0   | 57.8  | 86.8# |
| 98       | 0.2   | 39.8  | 59.8# |



#37  
1,2-Dichloropropane  
Concen: 0.709 ug/L  
RT: 6.075 min Scan# 1566  
Delta R.T. -0.100 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 4796  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 4.3   | 6.5#  |

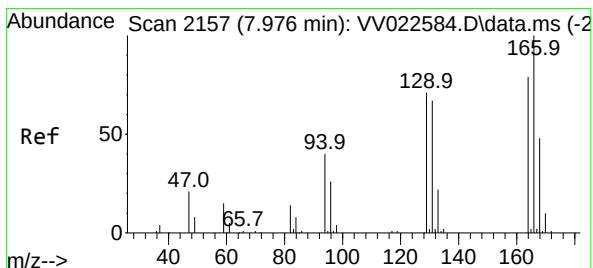
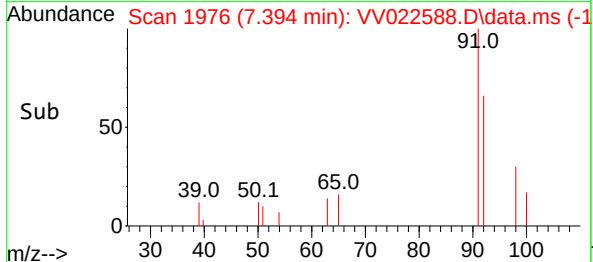
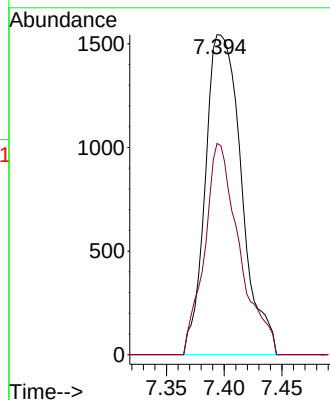
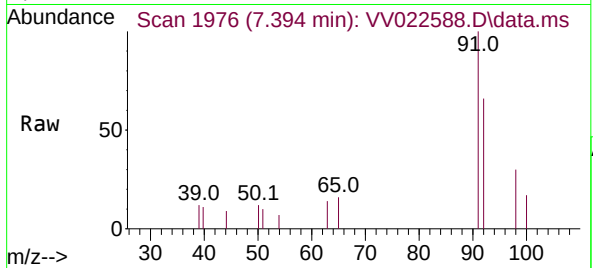




#42  
Toluene  
Concen: 0.115 ug/L  
RT: 7.394 min Scan# 1976  
Delta R.T. 0.006 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

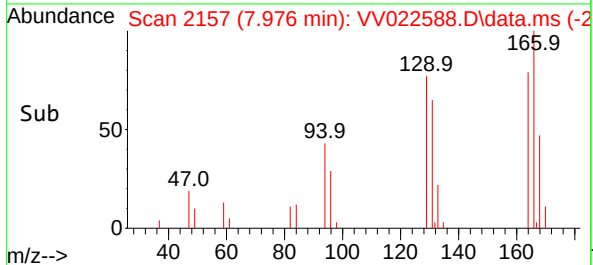
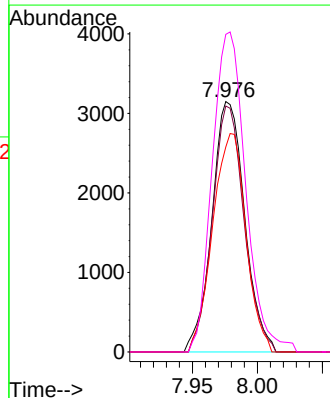
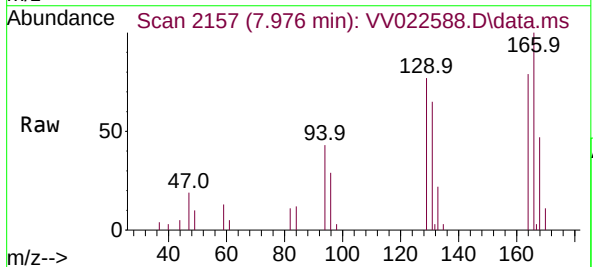
Instrument :  
MSVOA\_V  
ClientSampled :

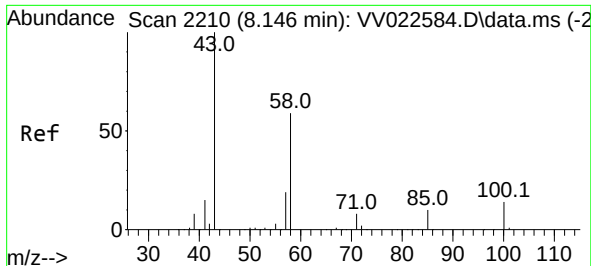
Tgt Ion: 91 Resp: 3363  
Ion Ratio Lower Upper  
91 100  
92 66.0 40.5 75.3



#47  
Tetrachloroethene  
Concen: 0.880 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

Tgt Ion: 164 Resp: 5512  
Ion Ratio Lower Upper  
164 100  
129 98.2 65.5 121.6  
131 81.9 62.4 116.0  
166 126.8 91.1 169.3

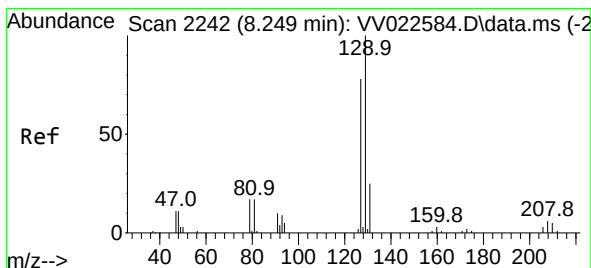
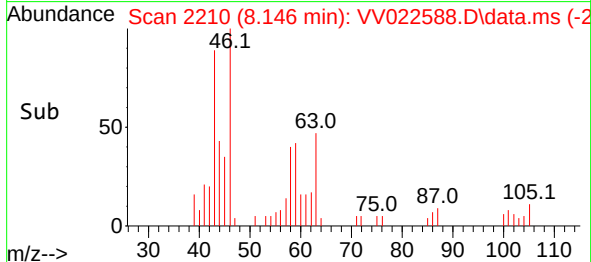
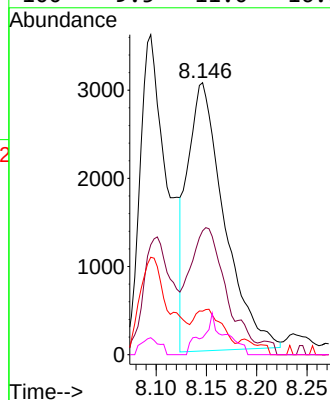
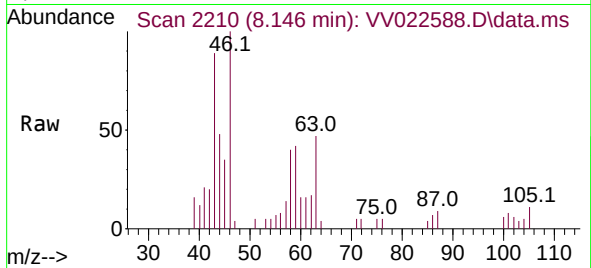




#48  
2-Hexanone  
Concen: 2.881 ug/L  
RT: 8.146 min Scan# 2210  
Delta R.T. -0.000 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

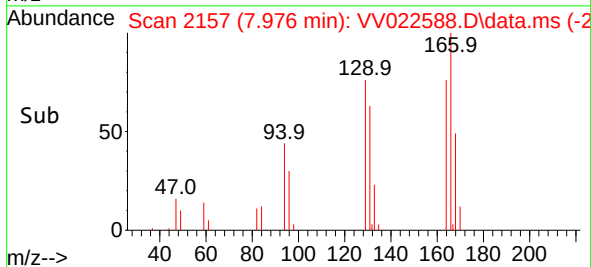
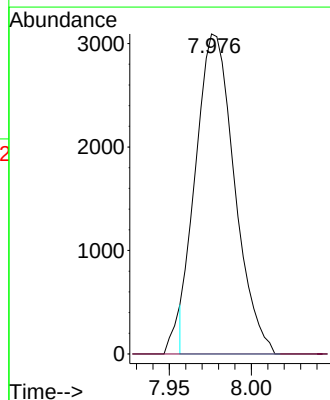
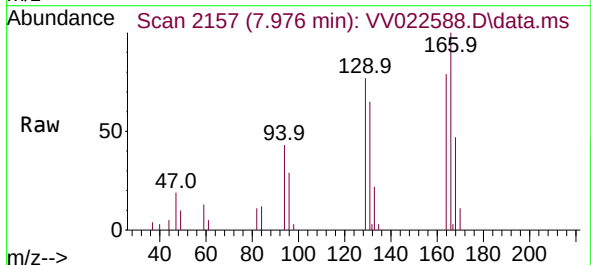
Instrument :  
MSVOA\_V  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 7721  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 42.0     | 46.4 69.6#  |
| 57 10.7     | 16.3 24.5#  |
| 100 9.5     | 11.0 16.6#  |

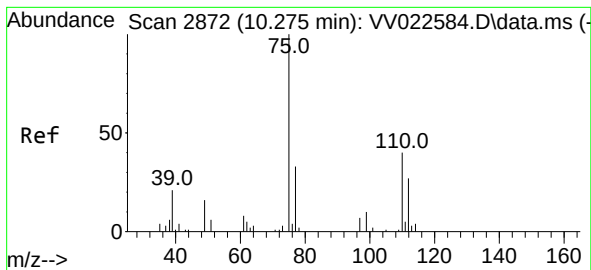


#49  
Dibromochloromethane  
Concen: 0.851 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.273 min  
Lab File: VV022588.D  
Acq: 05 Oct 2021 23:23

|              |             |
|--------------|-------------|
| Tgt Ion: 129 | Resp: 5065  |
| Ion Ratio    | Lower Upper |
| 129 100      |             |
| 127 0.0      | 52.6 97.6#  |

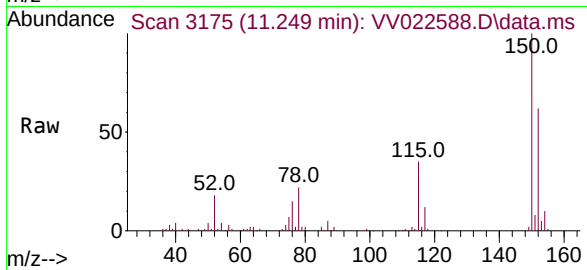






#61  
 1,2,3-Trichloropropane  
 Concen: 1.460 ug/L  
 RT: 11.249 min Scan# 3175  
 Delta R.T. 0.974 min  
 Lab File: VV022588.D  
 Acq: 05 Oct 2021 23:23

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 4960       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 33.8  | 26.1 39.1  |
| 110         | 1.7   | 33.0 49.6# |

