

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV021324\  
 Data File : VV034156.D  
 Acq On : 13 Feb 2024 15:34  
 Operator : SY/MD  
 Sample : P1455-05  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Feb 14 01:44:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 14 01:41:00 2024  
 Response via : Initial Calibration

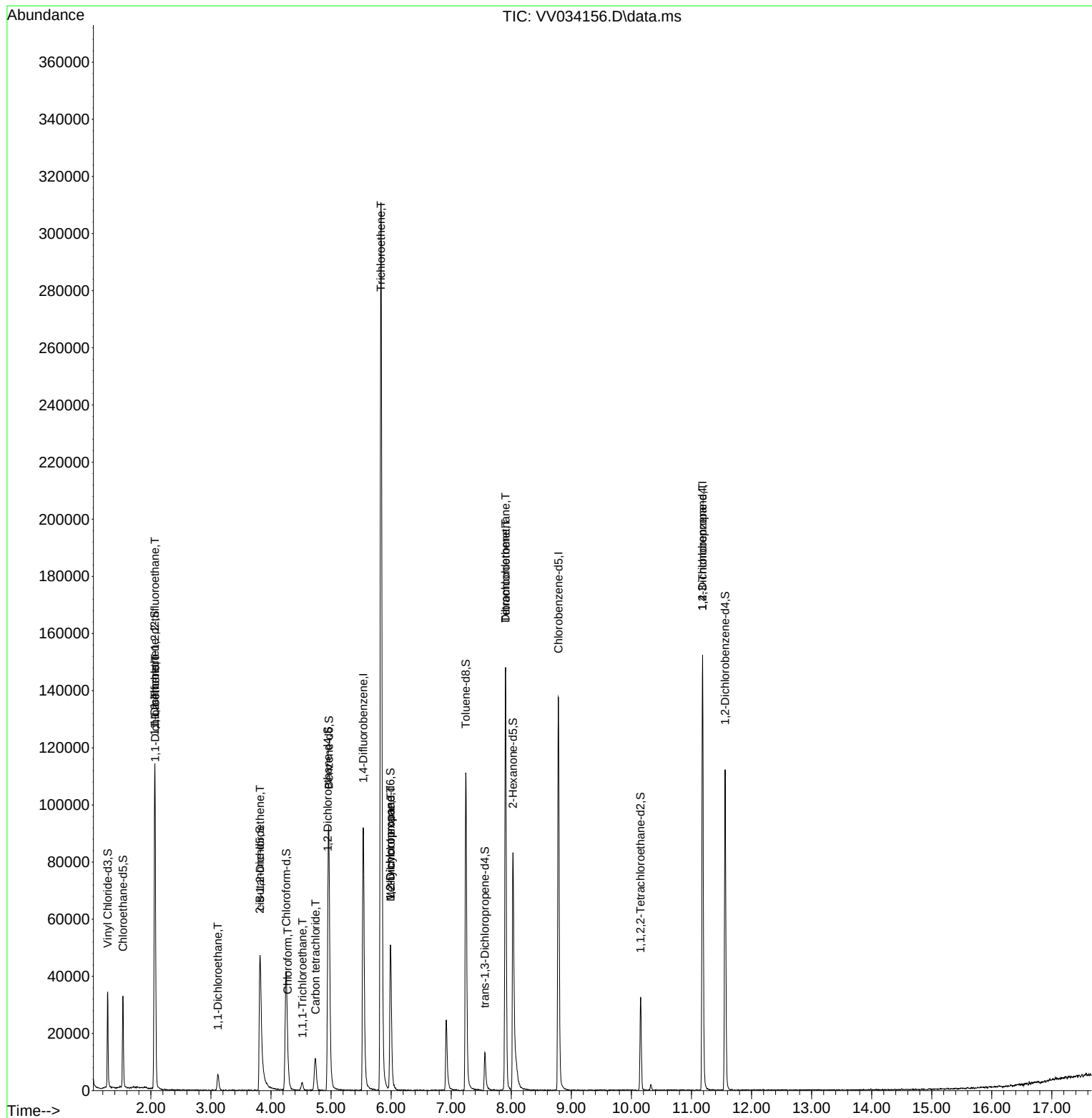
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 80754    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 76233    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 40177    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65    | 21834    | 3.491    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 69.800%  |
| 7) Chloroethane-d5            | 1.536  | 69    | 20006    | 3.652    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 73.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 65    | 10833    | 3.592    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 71.800%  |
| 20) 2-Butanone-d5             | 3.815  | 46    | 40303    | 38.370   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 76.740%  |
| 24) Chloroform-d              | 4.252  | 84    | 44852    | 3.947    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 79.000%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 23308    | 4.389    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.800%  |
| 32) Benzene-d6                | 4.963  | 84    | 82362    | 3.601    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 72.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 22886    | 3.580    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 71.600%  |
| 41) Toluene-d8                | 7.243  | 98    | 76290    | 3.629    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 72.600%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 8724     | 3.614    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 72.200%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 30016    | 34.830   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 69.660%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84    | 14738    | 3.802    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 76.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 28028    | 3.836    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 76.800%# |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 1825     | 0.314    | ug/L   | 87       |
| 12) 1,1-Dichloroethene        | 2.072  | 96    | 17999    | 3.191    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.117  | 63    | 6458     | 0.612    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 17222    | 2.642    | ug/L   | 98       |
| 25) Chloroform                | 4.278  | 83    | 3797     | 0.356    | ug/L # | 69       |
| 29) 1,1,1-Trichloroethane     | 4.523  | 97    | 2599     | 0.254    | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.741  | 117   | 8764     | 0.979    | ug/L   | 99       |
| 34) Trichloroethene           | 5.831  | 95    | 105180   | 15.895   | ug/L   | 98       |
| 35) Methylcyclohexane         | 5.992  | 83    | 6119     | 0.589    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 5.989  | 63    | 3154     | 0.569    | ug/L # | 87       |
| 47) Tetrachloroethene         | 7.905  | 164   | 31425    | 5.844    | ug/L   | 97       |
| 49) Dibromochloromethane      | 7.905  | 129   | 28203    | 6.940    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.185 | 75    | 4677     | 1.693    | ug/L # | 64       |
| -----                         |        |       |          |          |        |          |

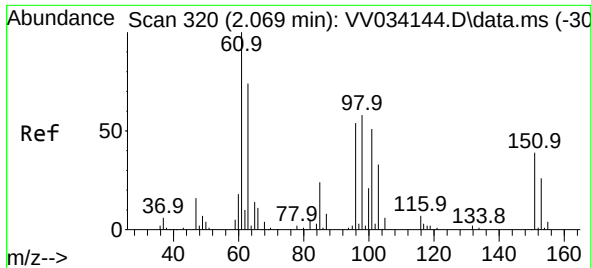
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV021324\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Feb 14 01:41:00 2024  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.314 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034156.D

Acq: 13 Feb 2024 15:34

Instrument :

MSVOA\_V

ClientSampleId :

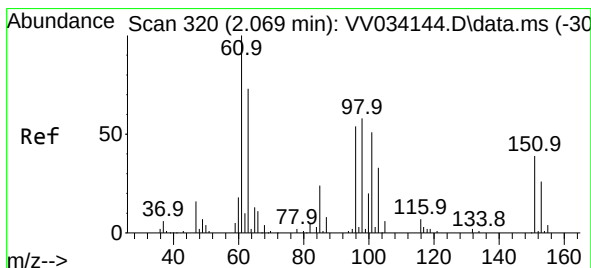
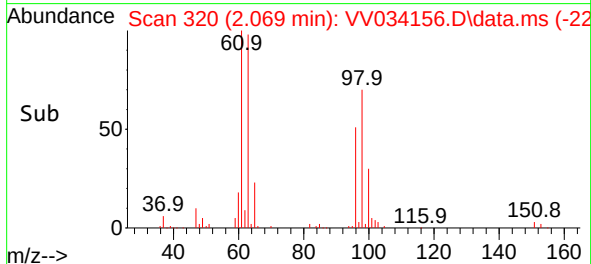
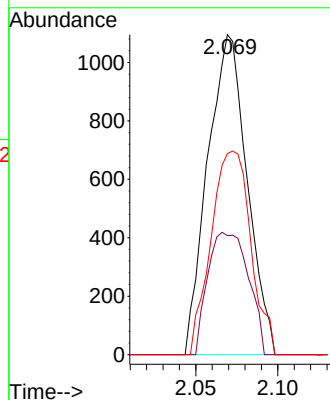
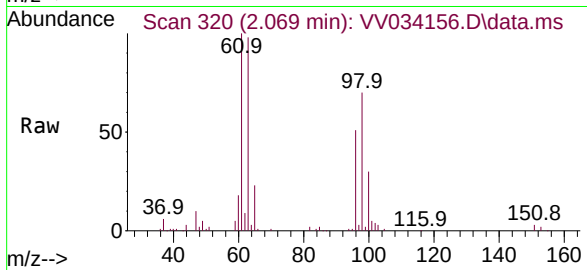
Tgt Ion:101 Resp: 1825

Ion Ratio Lower Upper

101 100

85 39.3 37.1 55.7

151 64.3 61.7 92.5



#12

1,1-Dichloroethene

Concen: 3.191 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV034156.D

Acq: 13 Feb 2024 15:34

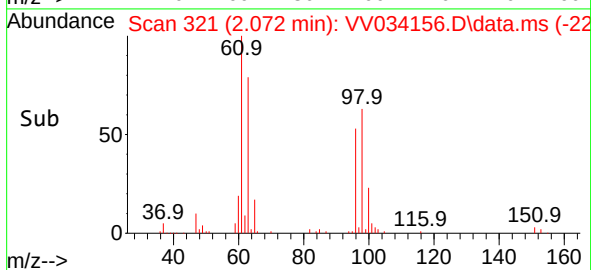
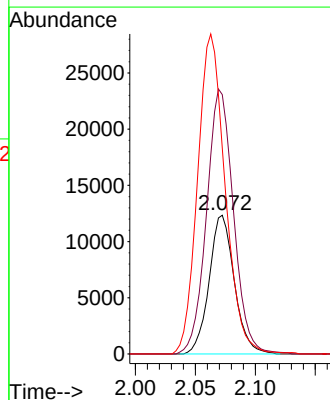
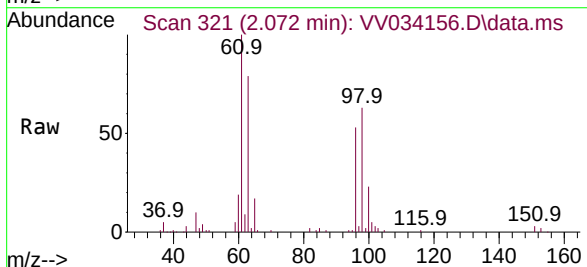
Tgt Ion: 96 Resp: 17999

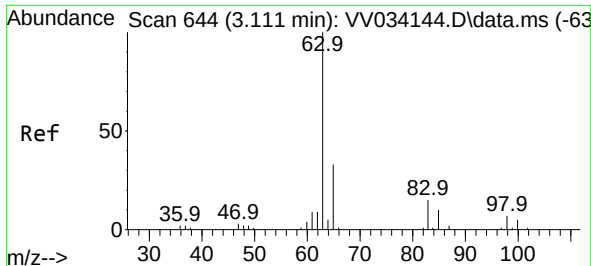
Ion Ratio Lower Upper

96 100

61 187.1 128.8 239.2

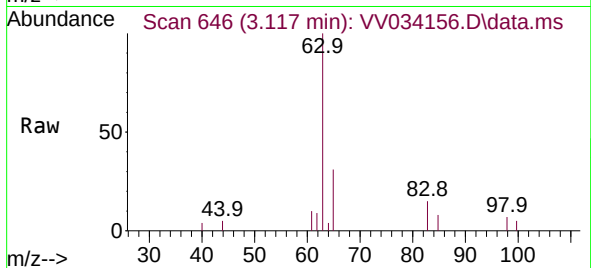
63 148.5 97.9 181.9



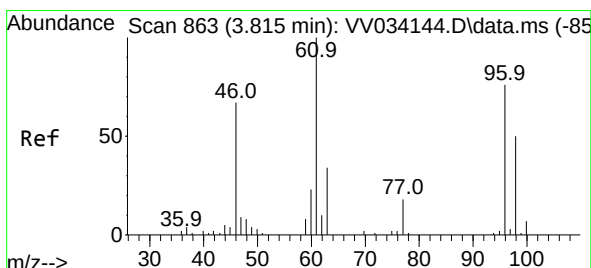
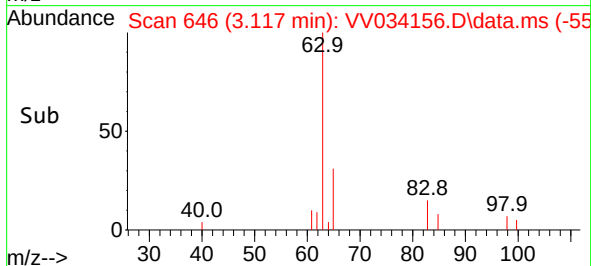
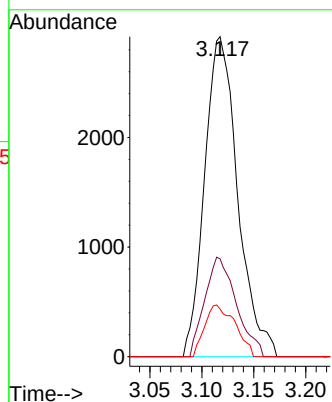


#19  
1,1-Dichloroethane  
Concen: 0.612 ug/L  
RT: 3.117 min Scan# 644  
Delta R.T. 0.006 min  
Lab File: VV034156.D  
Acq: 13 Feb 2024 15:34

Instrument :  
MSVOA\_V  
ClientSampleId :

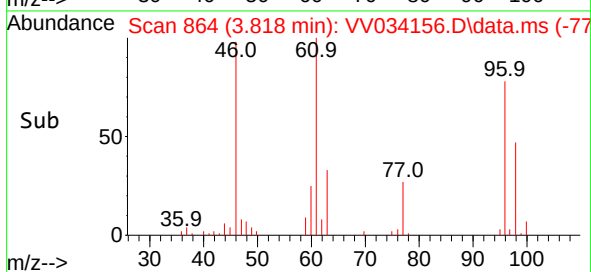
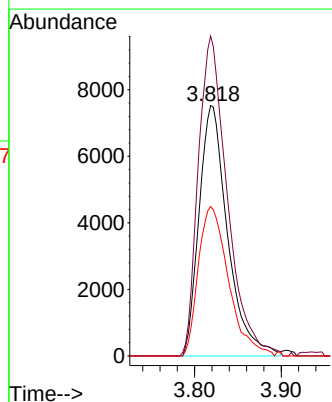
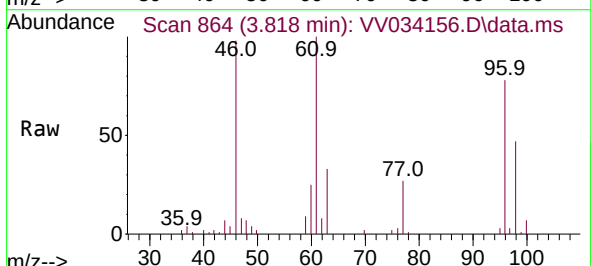


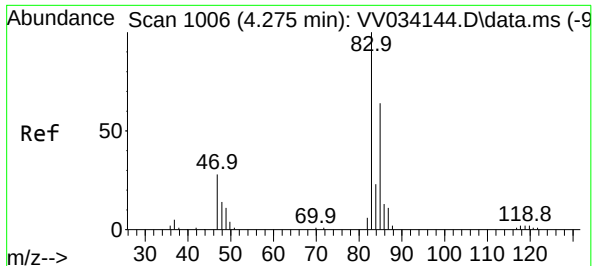
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 6458  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 30.6  | 20.8  | 38.6  |
| 83       | 14.9  | 9.4   | 17.4  |



#22  
cis-1,2-Dichloroethene  
Concen: 2.642 ug/L  
RT: 3.818 min Scan# 864  
Delta R.T. 0.003 min  
Lab File: VV034156.D  
Acq: 13 Feb 2024 15:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 17222 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 127.8 | 90.3  | 167.7 |
| 98       | 59.7  | 43.2  | 80.2  |

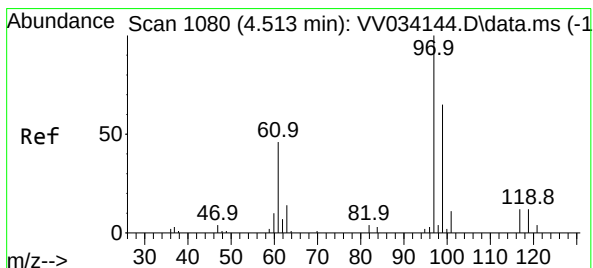
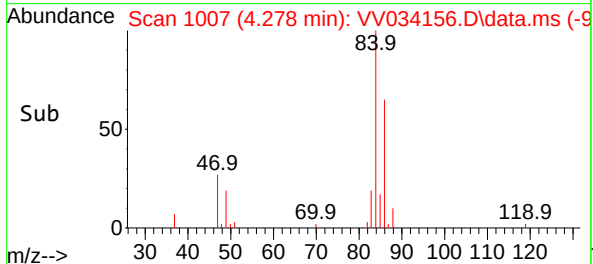
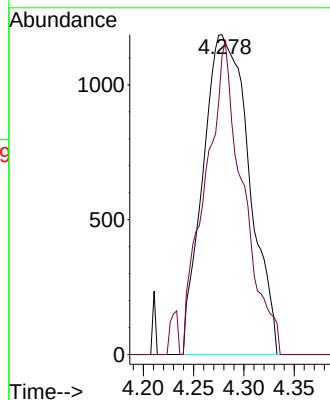
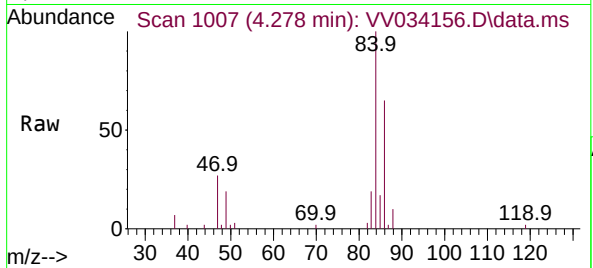




#25  
Chloroform  
Concen: 0.356 ug/L  
RT: 4.278 min Scan# 1006  
Delta R.T. 0.003 min  
Lab File: VV034156.D  
Acq: 13 Feb 2024 15:34

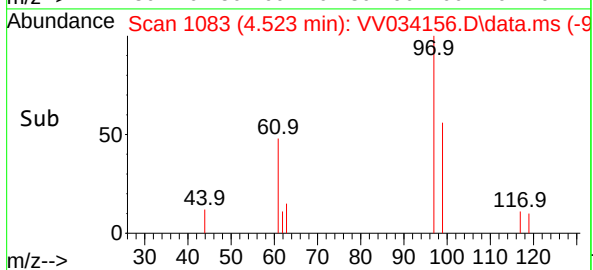
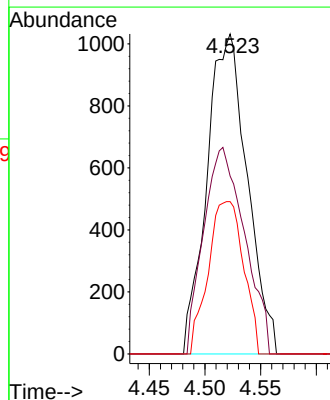
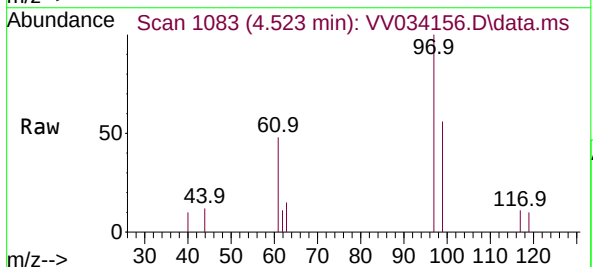
Instrument :  
MSVOA\_V  
ClientSampleId :

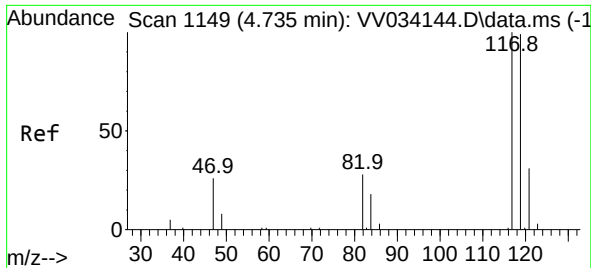
Tgt Ion: 83 Resp: 3797  
Ion Ratio Lower Upper  
83 100  
85 93.1 47.5 88.1#



#29  
1,1,1-Trichloroethane  
Concen: 0.254 ug/L  
RT: 4.523 min Scan# 1083  
Delta R.T. 0.010 min  
Lab File: VV034156.D  
Acq: 13 Feb 2024 15:34

Tgt Ion: 97 Resp: 2599  
Ion Ratio Lower Upper  
97 100  
99 65.6 50.6 75.8  
61 41.7 36.8 55.2

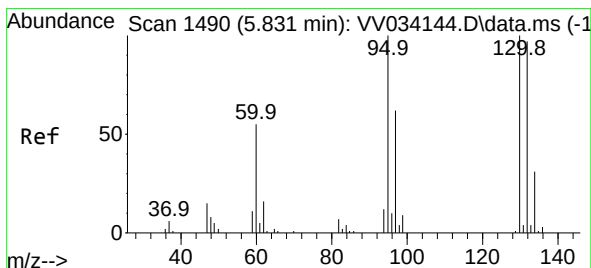
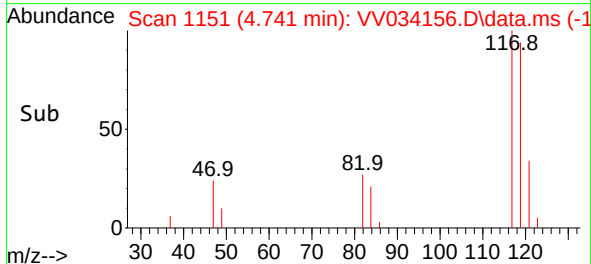
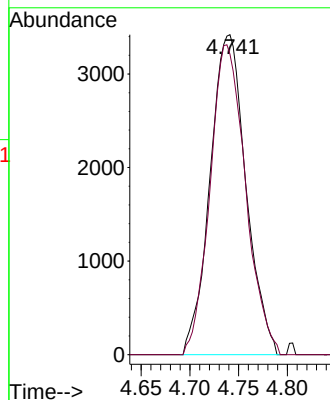
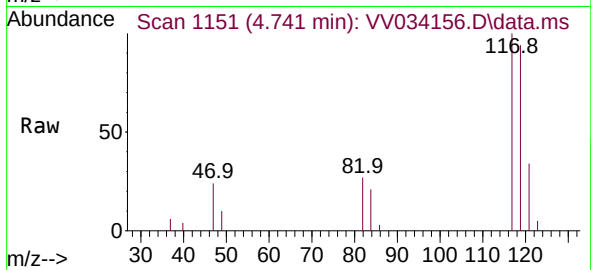




#31  
Carbon tetrachloride  
Concen: 0.979 ug/L  
RT: 4.741 min Scan# 1151  
Delta R.T. 0.006 min  
Lab File: VV034156.D  
Acq: 13 Feb 2024 15:34

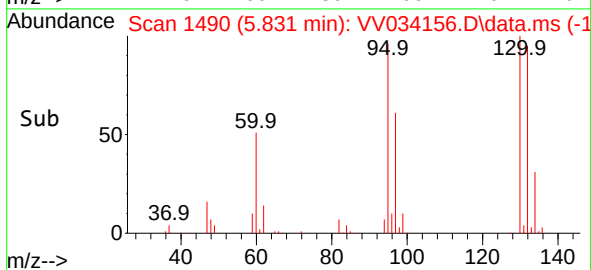
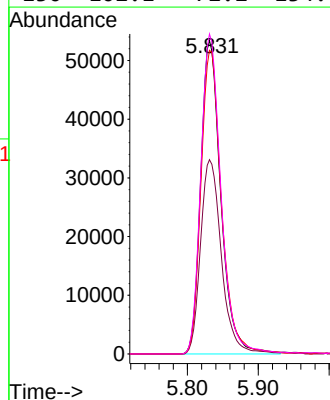
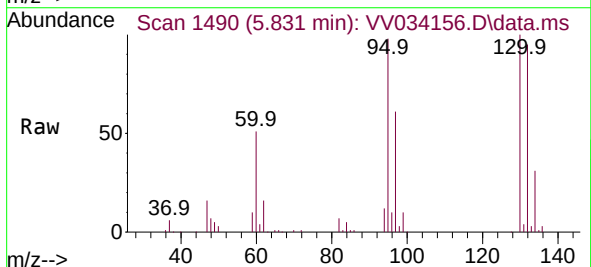
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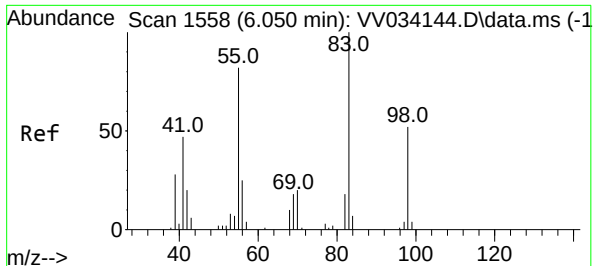
Tgt Ion: 117 Resp: 8764  
Ion Ratio Lower Upper  
117 100  
119 95.8 76.1 114.1



#34  
Trichloroethene  
Concen: 15.895 ug/L  
RT: 5.831 min Scan# 1490  
Delta R.T. -0.000 min  
Lab File: VV034156.D  
Acq: 13 Feb 2024 15:34

Tgt Ion: 95 Resp: 105180  
Ion Ratio Lower Upper  
95 100  
97 62.0 45.1 83.7  
132 96.9 66.0 122.6  
130 102.1 72.2 134.0

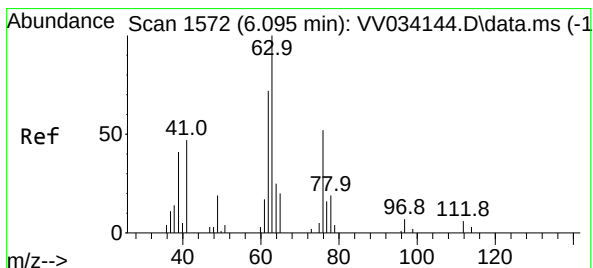
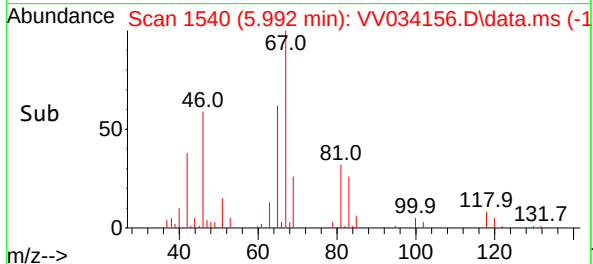
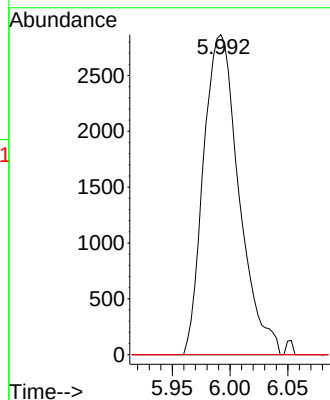
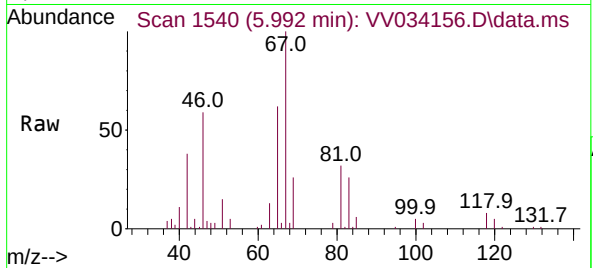




#35  
Methylcyclohexane  
Concen: 0.589 ug/L  
RT: 5.992 min Scan# 11  
Delta R.T. -0.058 min  
Lab File: VV034156.D  
Acq: 13 Feb 2024 15:34

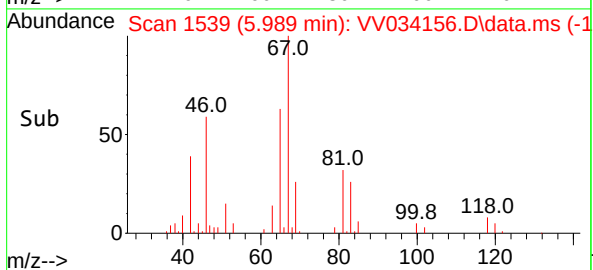
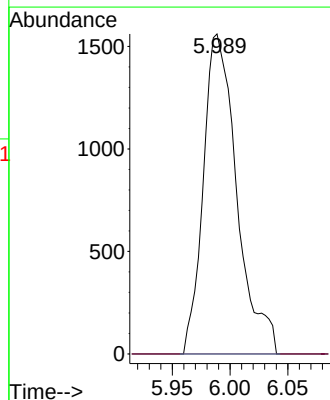
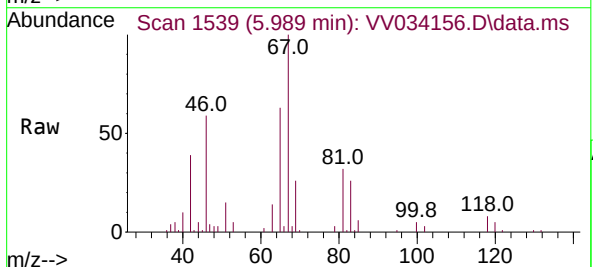
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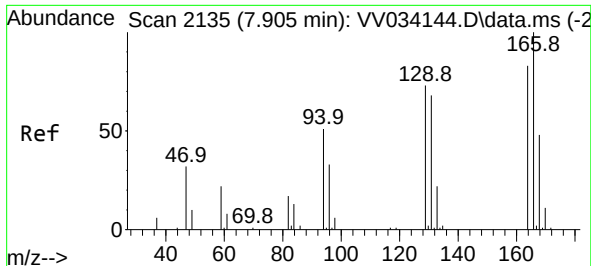
Tgt Ion: 83 Resp: 6119  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.5 95.3#  
98 0.0 39.0 58.4#



#37  
1,2-Dichloropropane  
Concen: 0.569 ug/L  
RT: 5.989 min Scan# 1539  
Delta R.T. -0.106 min  
Lab File: VV034156.D  
Acq: 13 Feb 2024 15:34

Tgt Ion: 63 Resp: 3154  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#





#47

Tetrachloroethene

Concen: 5.844 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

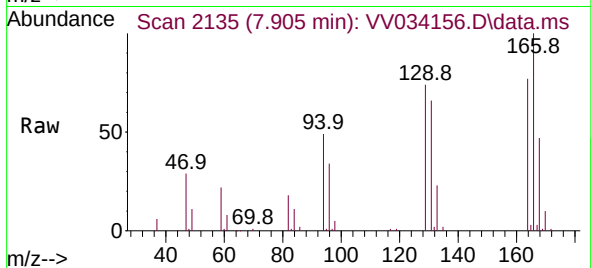
Lab File: VV034156.D

Acq: 13 Feb 2024 15:34

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:164 Resp: 31425

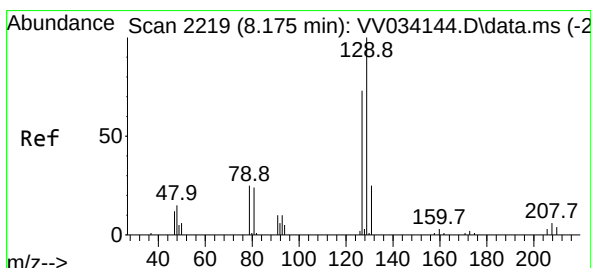
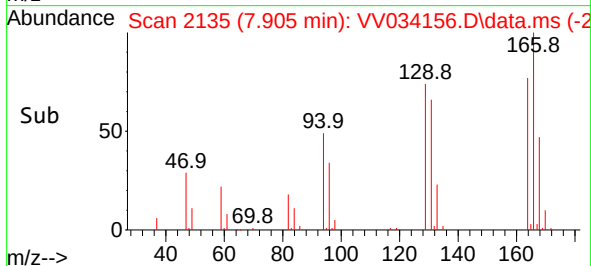
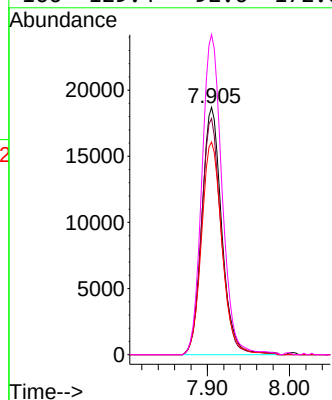
Ion Ratio Lower Upper

164 100

129 95.5 67.8 125.8

131 86.0 63.0 117.0

166 129.4 92.6 172.0



#49

Dibromochloromethane

Concen: 6.940 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.270 min

Lab File: VV034156.D

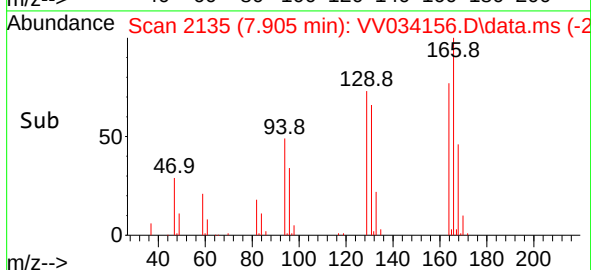
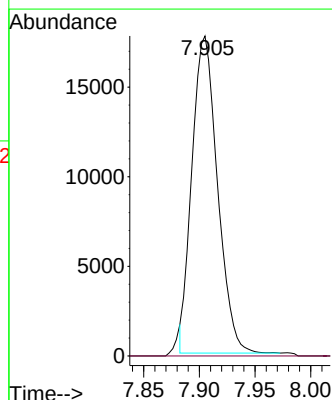
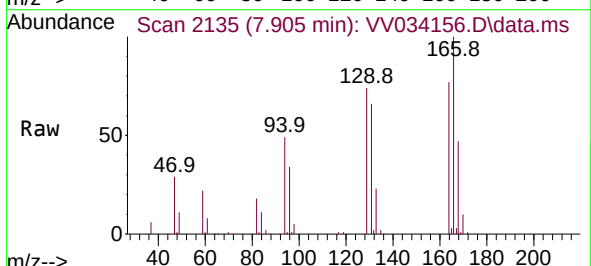
Acq: 13 Feb 2024 15:34

Tgt Ion:129 Resp: 28203

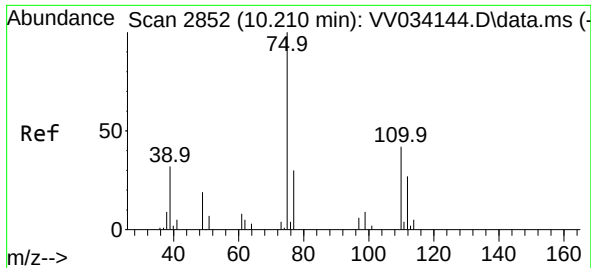
Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#







#61

1,2,3-Trichloropropane

Concen: 1.693 ug/L

RT: 11.185 min Scan# 31

Delta R.T. 0.974 min

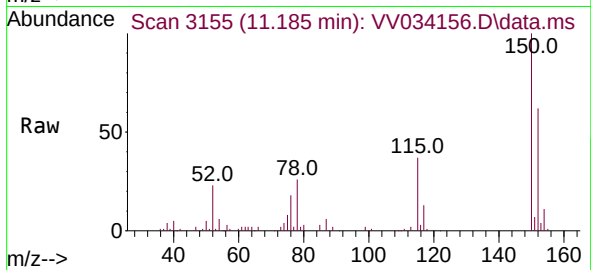
Lab File: VV034156.D

Acq: 13 Feb 2024 15:34

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 75 Resp: 4677

Ion Ratio Lower Upper

75 100

77 34.6 26.9 40.3

110 1.0 33.3 49.9#

