

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV021524\  
 Data File : VV034192.D  
 Acq On : 15 Feb 2024 16:17  
 Operator : SY/MD  
 Sample : P1498-05  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Feb 16 00:43:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 16 00:40:49 2024  
 Response via : Initial Calibration

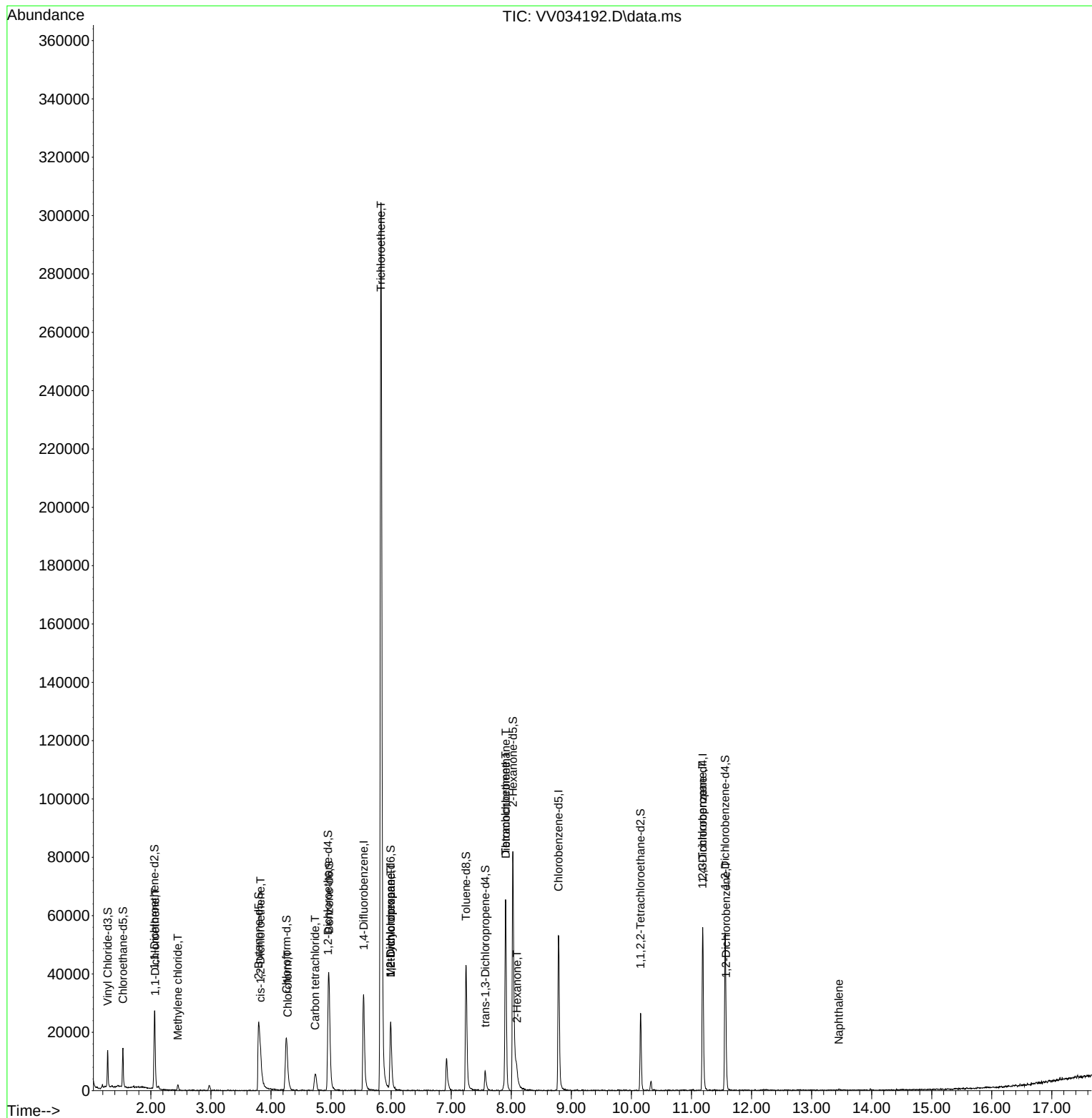
| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 5.542  | 114            | 30157    | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117            | 30399    | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152            | 14671    | 5.000  | ug/L      | 0.00     |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65             | 7976     | 3.415  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 68.400%   |          |
| 7) Chloroethane-d5            | 1.536  | 69             | 7696     | 3.762  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 75.200%   |          |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65             | 4131     | 3.668  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 73.400%   |          |
| 20) 2-Butanone-d5             | 3.793  | 46             | 37022    | 94.382 | ug/L      | -0.03    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 188.760%# |          |
| 24) Chloroform-d              | 4.256  | 84             | 19783    | 4.661  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 93.200%   |          |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65             | 13346    | 6.729  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 134.600%# |          |
| 32) Benzene-d6                | 4.966  | 84             | 34977    | 3.835  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 76.800%   |          |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67             | 10241    | 4.017  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 80.400%   |          |
| 41) Toluene-d8                | 7.246  | 98             | 31338    | 3.739  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 74.800%   |          |
| 43) trans-1,3-Dichloroprop... | 7.567  | 79             | 4951     | 5.143  | ug/L      | 0.01     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 102.800%  |          |
| 46) 2-Hexanone-d5             | 8.027  | 63             | 28908    | 84.120 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 168.240%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84             | 11378    | 7.362  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 147.200%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152            | 14106    | 5.287  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 105.800%  |          |
| Target Compounds              |        |                |          |        |           |          |
|                               |        |                |          |        | Qvalue    |          |
| 12) 1,1-Dichloroethene        | 2.073  | 96             | 900      | 0.427  | ug/L #    | 1        |
| 16) Methylene chloride        | 2.449  | 84             | 735      | 0.364  | ug/L      | 96       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96             | 4059     | 1.667  | ug/L      | 86       |
| 25) Chloroform                | 4.278  | 83             | 2540     | 0.637  | ug/L      | 98       |
| 31) Carbon tetrachloride      | 4.735  | 117            | 4970     | 1.392  | ug/L      | 93       |
| 34) Trichloroethene           | 5.831  | 95             | 102478   | 38.836 | ug/L      | 98       |
| 35) Methylcyclohexane         | 5.992  | 83             | 2520     | 0.608  | ug/L #    | 17       |
| 37) 1,2-Dichloropropane       | 5.992  | 63             | 1464     | 0.663  | ug/L #    | 87       |
| 47) Tetrachloroethene         | 7.905  | 164            | 14135    | 6.593  | ug/L      | 97       |
| 48) 2-Hexanone                | 8.095  | 43             | 6566     | 8.808  | ug/L #    | 85       |
| 49) Dibromochloromethane      | 7.908  | 129            | 13175    | 8.130  | ug/L #    | 11       |
| 61) 1,2,3-Trichloropropane    | 11.185 | 75             | 1769     | 1.754  | ug/L #    | 60       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146            | 1086     | 0.267  | ug/L #    | 82       |
| 71) Naphthalene               | 13.455 | 128            | 521      | 0.139  | ug/L #    | 69       |

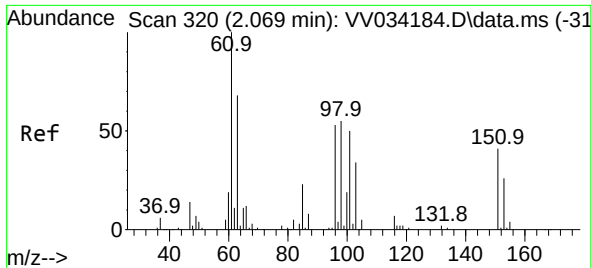
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV021524\  
Data File : VV034192.D  
Acq On : 15 Feb 2024 16:17  
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Sample : P1498-05  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Feb 16 00:43:26 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Feb 16 00:40:49 2024  
Response via : Initial Calibration

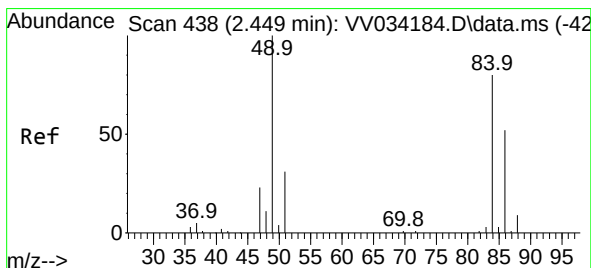
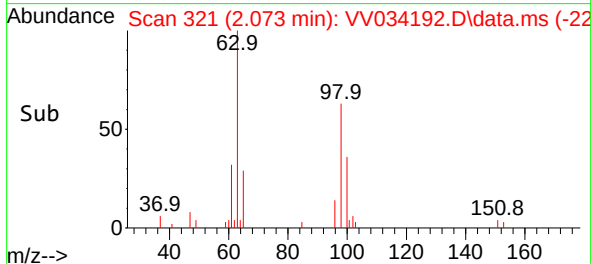
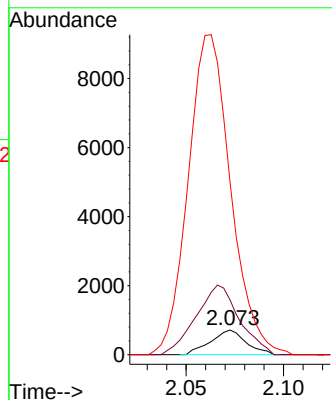
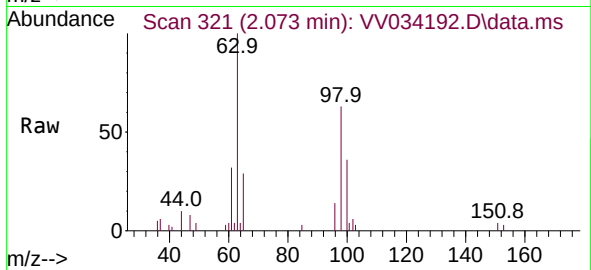




#12  
1,1-Dichloroethene  
Concen: 0.427 ug/L  
RT: 2.073 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VV034192.D  
Acq: 15 Feb 2024 16:17

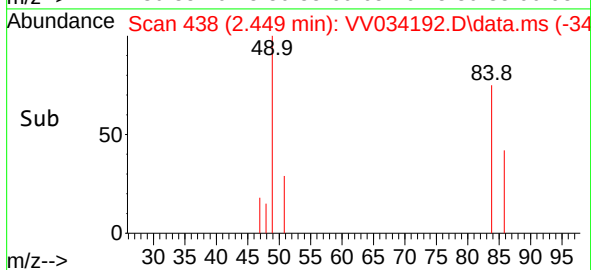
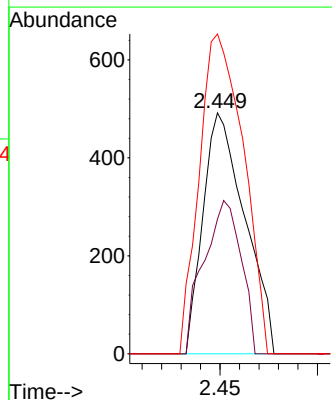
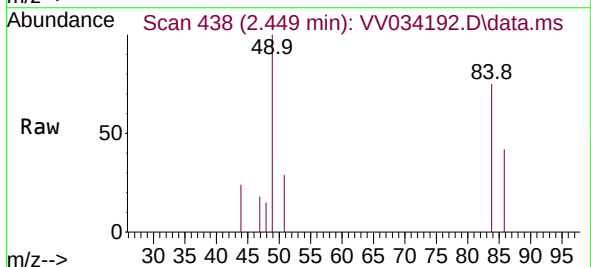
Instrument :  
MSVOA\_V  
ClientSampleId :

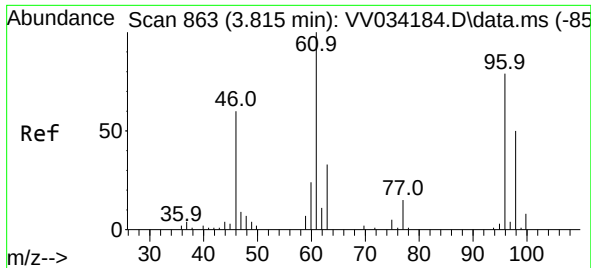
Tgt Ion: 96 Resp: 900  
Ion Ratio Lower Upper  
96 100  
61 221.9 128.8 239.2  
63 699.2 97.9 181.9#



#16  
Methylene chloride  
Concen: 0.364 ug/L  
RT: 2.449 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VV034192.D  
Acq: 15 Feb 2024 16:17

Tgt Ion: 84 Resp: 735  
Ion Ratio Lower Upper  
84 100  
86 55.9 44.7 83.1  
49 132.7 93.7 173.9

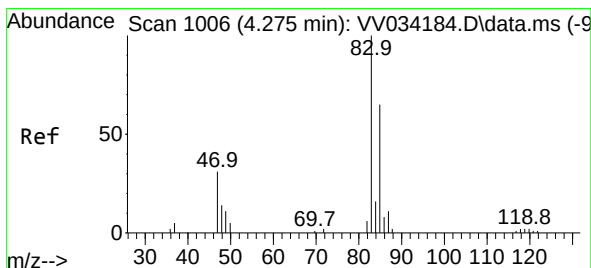
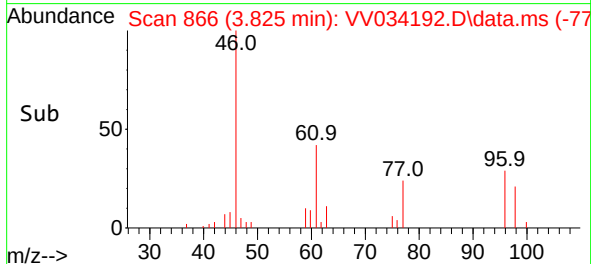
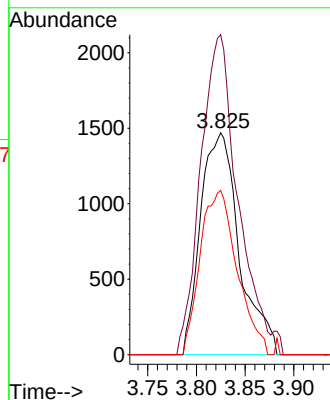
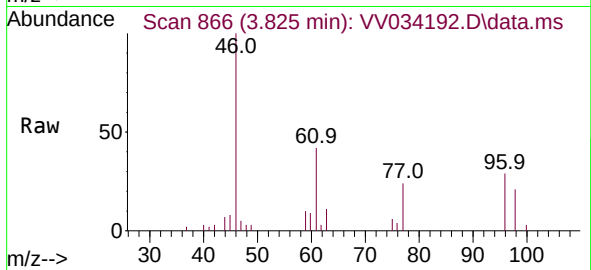




#22  
 cis-1,2-Dichloroethene  
 Concen: 1.667 ug/L  
 RT: 3.825 min Scan# 80  
 Delta R.T. 0.010 min  
 Lab File: VV034192.D  
 Acq: 15 Feb 2024 16:17

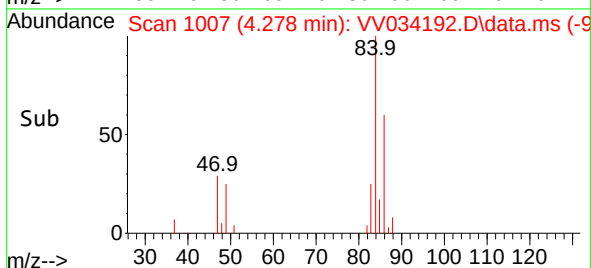
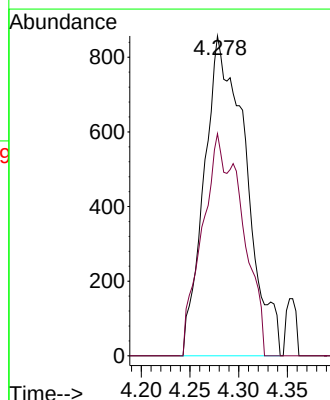
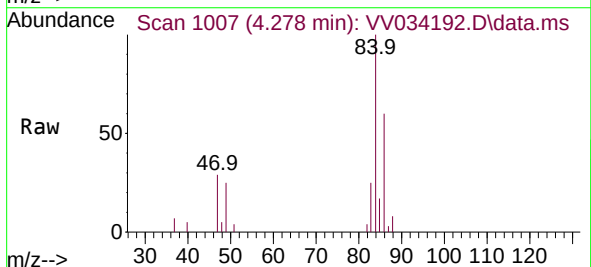
Instrument :  
 MSVOA\_V  
 ClientSampleId :

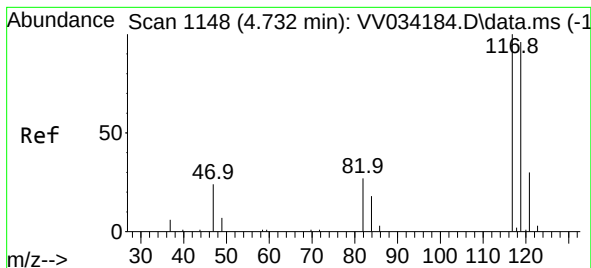
Tgt Ion: 96 Resp: 4059  
 Ion Ratio Lower Upper  
 96 100  
 61 144.2 90.3 167.7  
 98 74.0 43.2 80.2



#25  
 Chloroform  
 Concen: 0.637 ug/L  
 RT: 4.278 min Scan# 1007  
 Delta R.T. 0.003 min  
 Lab File: VV034192.D  
 Acq: 15 Feb 2024 16:17

Tgt Ion: 83 Resp: 2540  
 Ion Ratio Lower Upper  
 83 100  
 85 69.4 47.5 88.1





#31

Carbon tetrachloride

Concen: 1.392 ug/L

RT: 4.735 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV034192.D

Acq: 15 Feb 2024 16:17

Instrument :

MSVOA\_V

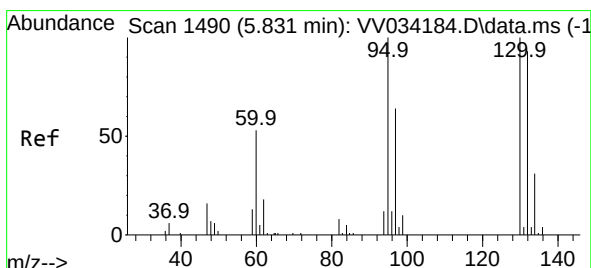
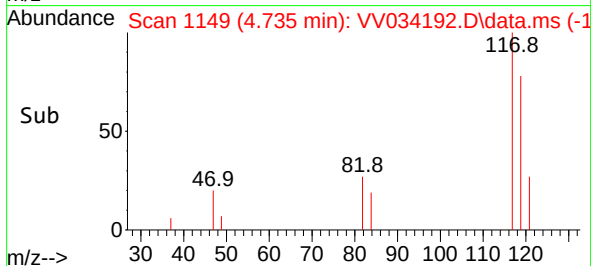
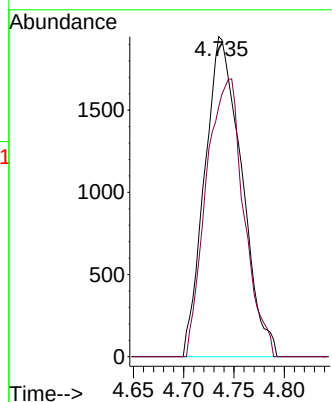
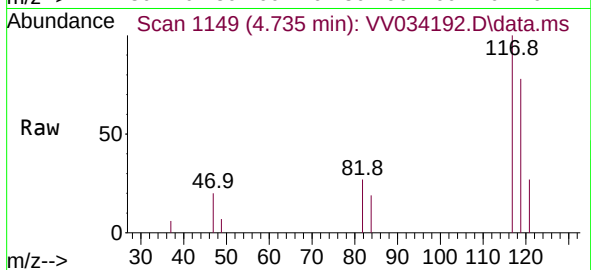
ClientSampleId :

Tgt Ion:117 Resp: 4970

Ion Ratio Lower Upper

117 100

119 88.4 76.1 114.1



#34

Trichloroethene

Concen: 38.836 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV034192.D

Acq: 15 Feb 2024 16:17

Tgt Ion: 95 Resp: 102478

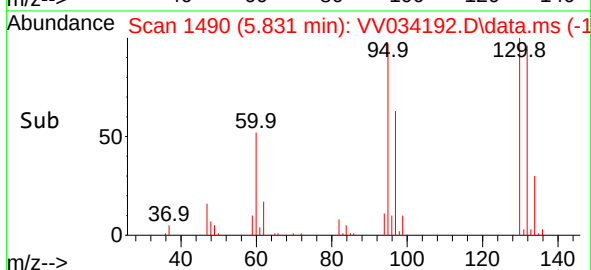
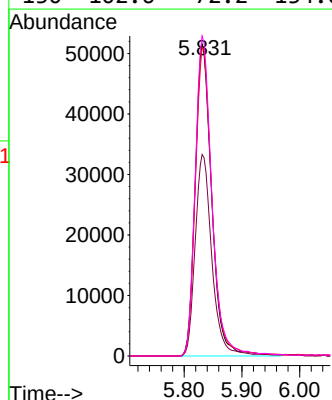
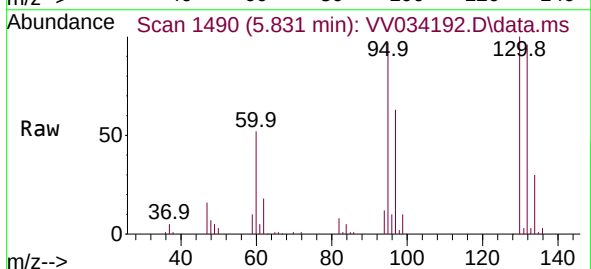
Ion Ratio Lower Upper

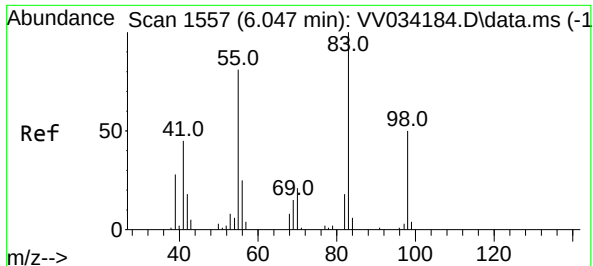
95 100

97 64.6 45.1 83.7

132 98.9 66.0 122.6

130 102.6 72.2 134.0





#35

Methylcyclohexane

Concen: 0.608 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.055 min

Lab File: VV034192.D

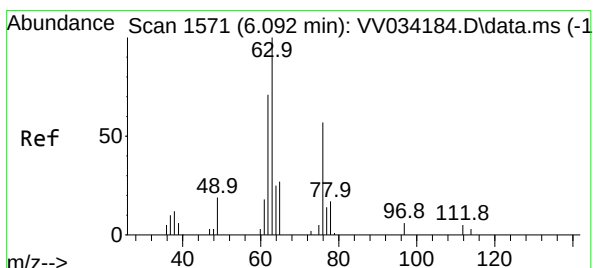
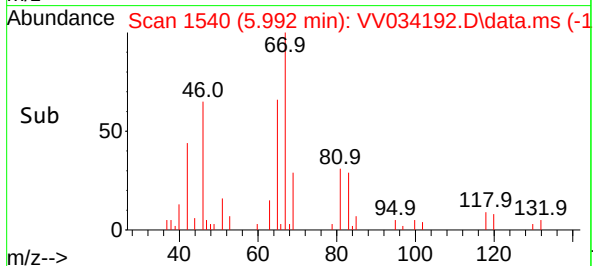
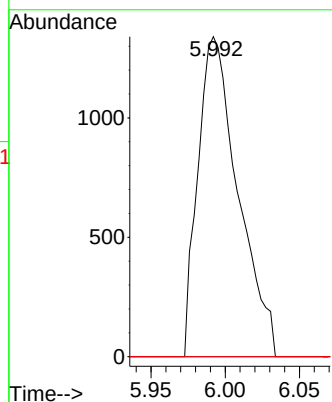
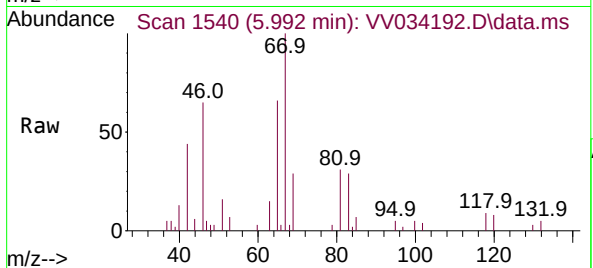
Acq: 15 Feb 2024 16:17

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2520  |
| 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: 0.663 ug/L

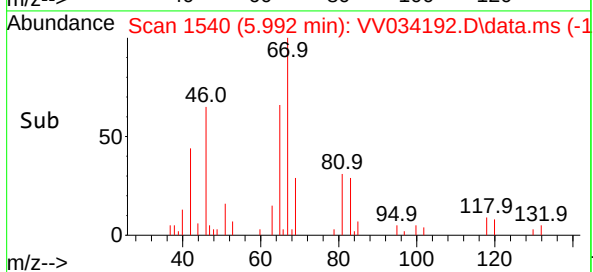
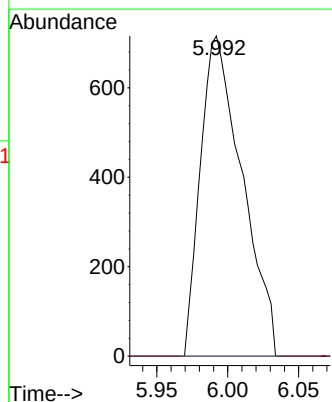
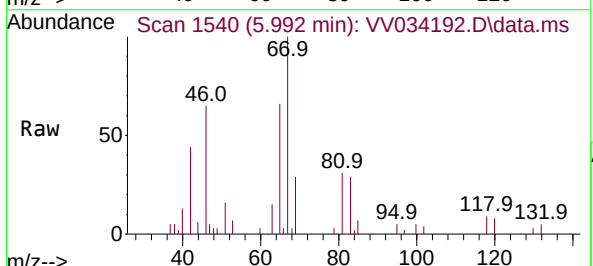
RT: 5.992 min Scan# 1540

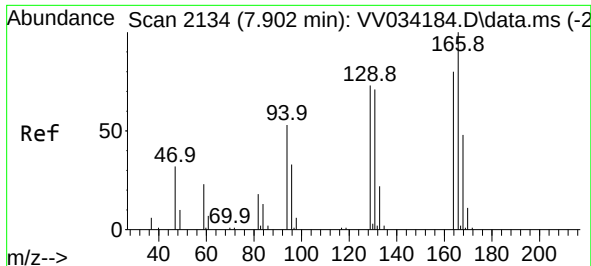
Delta R.T. -0.100 min

Lab File: VV034192.D

Acq: 15 Feb 2024 16:17

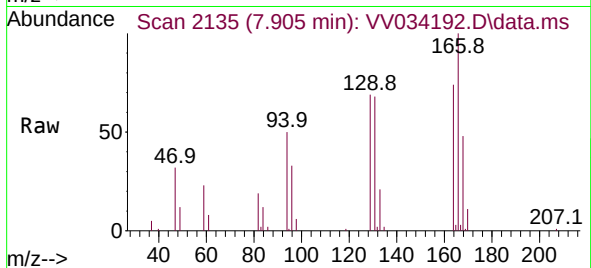
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 1464  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 3.4   | 5.0#  |



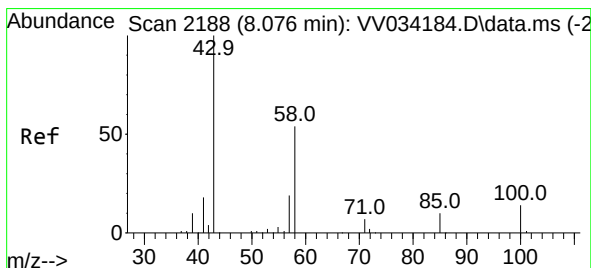
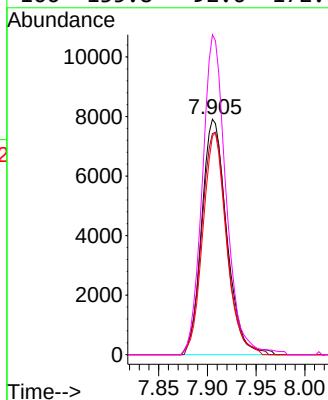
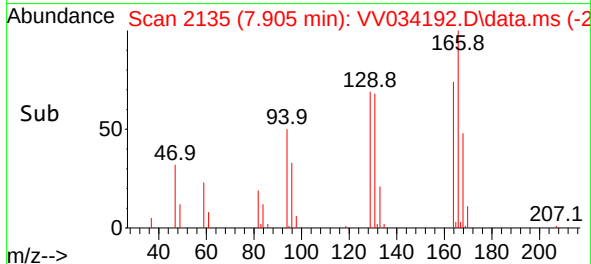


#47  
Tetrachloroethene  
Concen: 6.593 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. 0.003 min  
Lab File: VV034192.D  
Acq: 15 Feb 2024 16:17

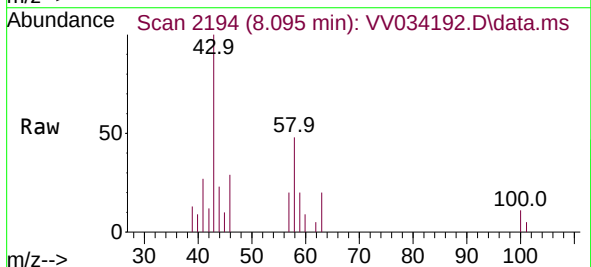
Instrument :  
MSVOA\_V  
ClientSampleId :



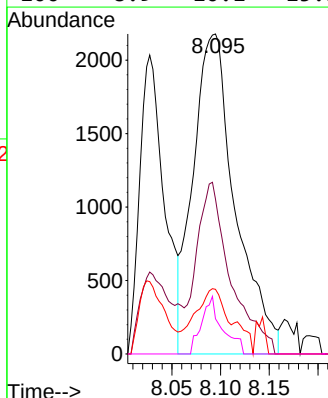
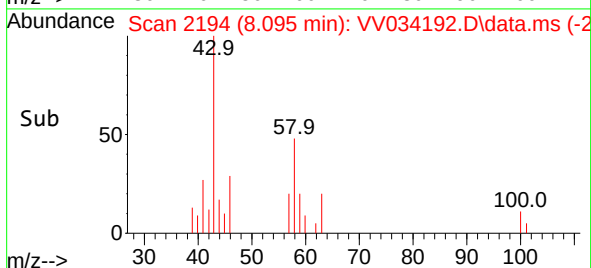
Tgt Ion:164 Resp: 14135  
Ion Ratio Lower Upper  
164 100  
129 93.9 67.8 125.8  
131 92.8 63.0 117.0  
166 135.8 92.6 172.0

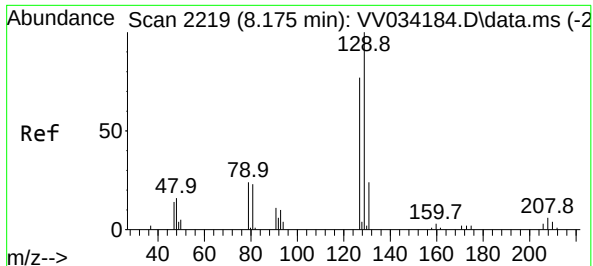


#48  
2-Hexanone  
Concen: 8.808 ug/L  
RT: 8.095 min Scan# 2194  
Delta R.T. 0.019 min  
Lab File: VV034192.D  
Acq: 15 Feb 2024 16:17



Tgt Ion: 43 Resp: 6566  
Ion Ratio Lower Upper  
43 100  
58 43.4 42.6 64.0  
57 8.9 15.5 23.3#  
100 8.9 10.1 15.1#





#49

Dibromochloromethane

Concen: 8.130 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.267 min

Lab File: VV034192.D

Acq: 15 Feb 2024 16:17

Instrument :

MSVOA\_V

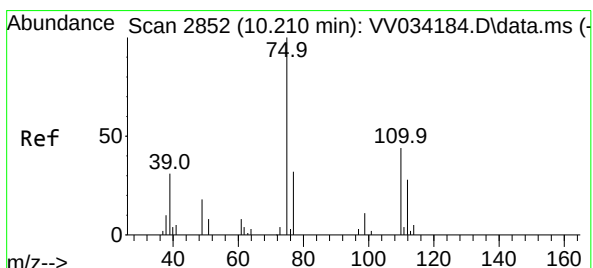
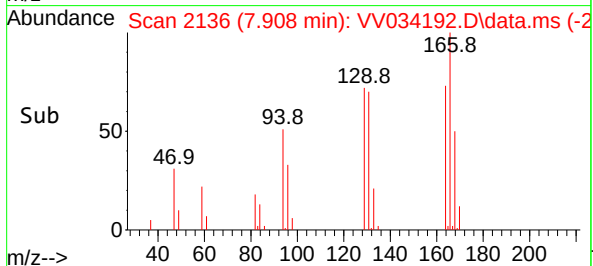
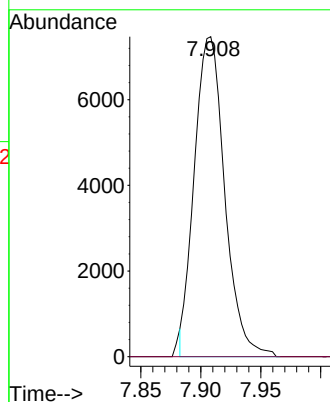
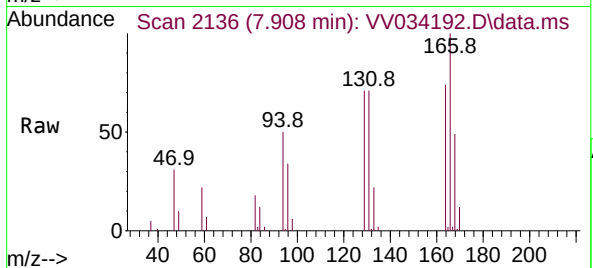
ClientSampleId :

Tgt Ion:129 Resp: 13175

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#



#61

1,2,3-Trichloropropane

Concen: 1.754 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.974 min

Lab File: VV034192.D

Acq: 15 Feb 2024 16:17

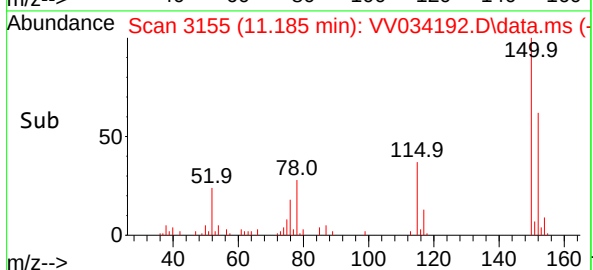
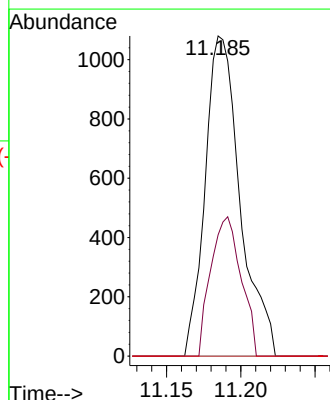
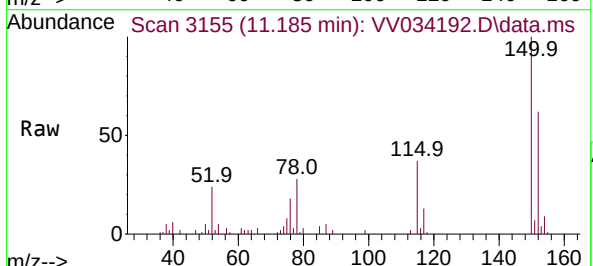
Tgt Ion: 75 Resp: 1769

Ion Ratio Lower Upper

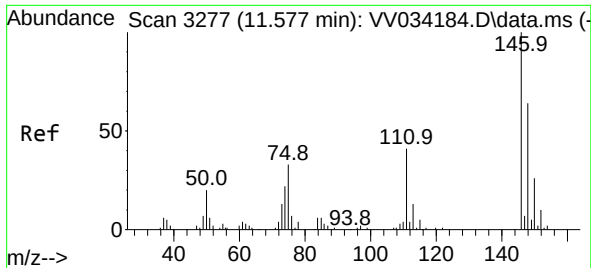
75 100

77 37.5 26.9 40.3

110 0.0 33.3 49.9#

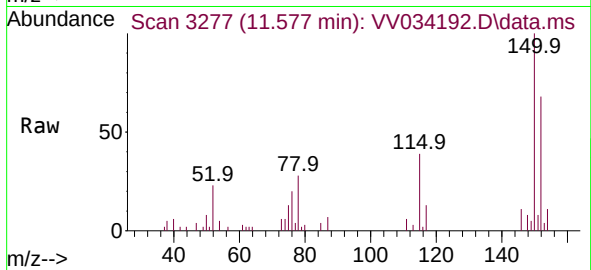




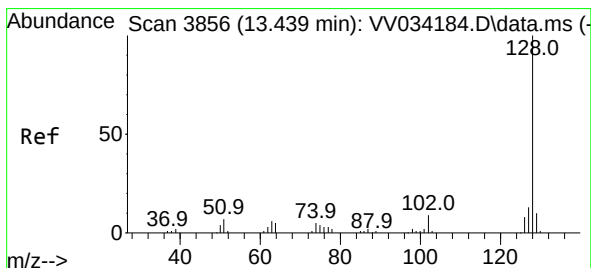
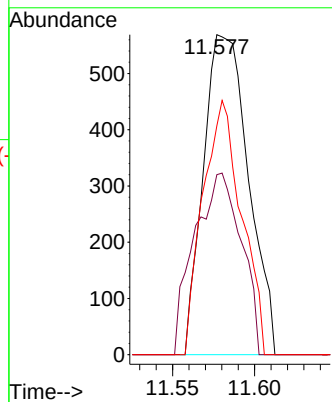
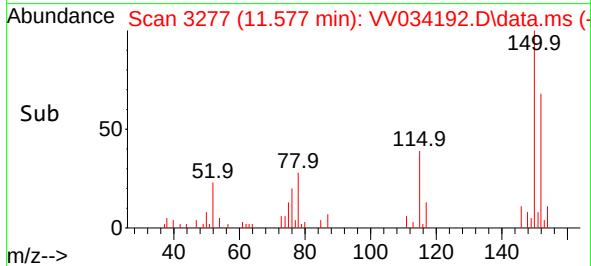


#67  
1,2-Dichlorobenzene  
Concen: 0.267 ug/L  
RT: 11.577 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV034192.D  
Acq: 15 Feb 2024 16:17

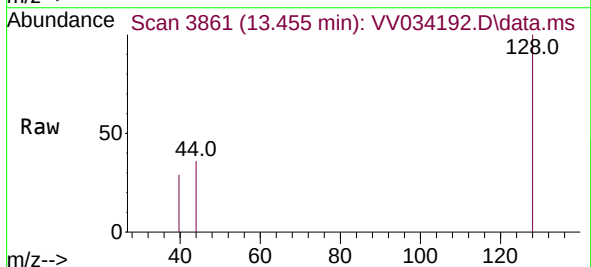
Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:146 Resp: 1086  
Ion Ratio Lower Upper  
146 100  
111 56.2 31.2 46.8#  
148 71.5 49.8 74.8



#71  
Naphthalene  
Concen: 0.139 ug/L  
RT: 13.455 min Scan# 3861  
Delta R.T. 0.016 min  
Lab File: VV034192.D  
Acq: 15 Feb 2024 16:17



Tgt Ion:128 Resp: 521  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.5 12.7#  
127 0.0 10.4 15.6#

