

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111924\  
 Data File : VV038194.D  
 Acq On : 19 Nov 2024 22:12  
 Operator : SY/MD  
 Sample : P4882-07  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3H4

Quant Time: Nov 20 00:42:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 19 22:47:22 2024  
 Response via : Initial Calibration

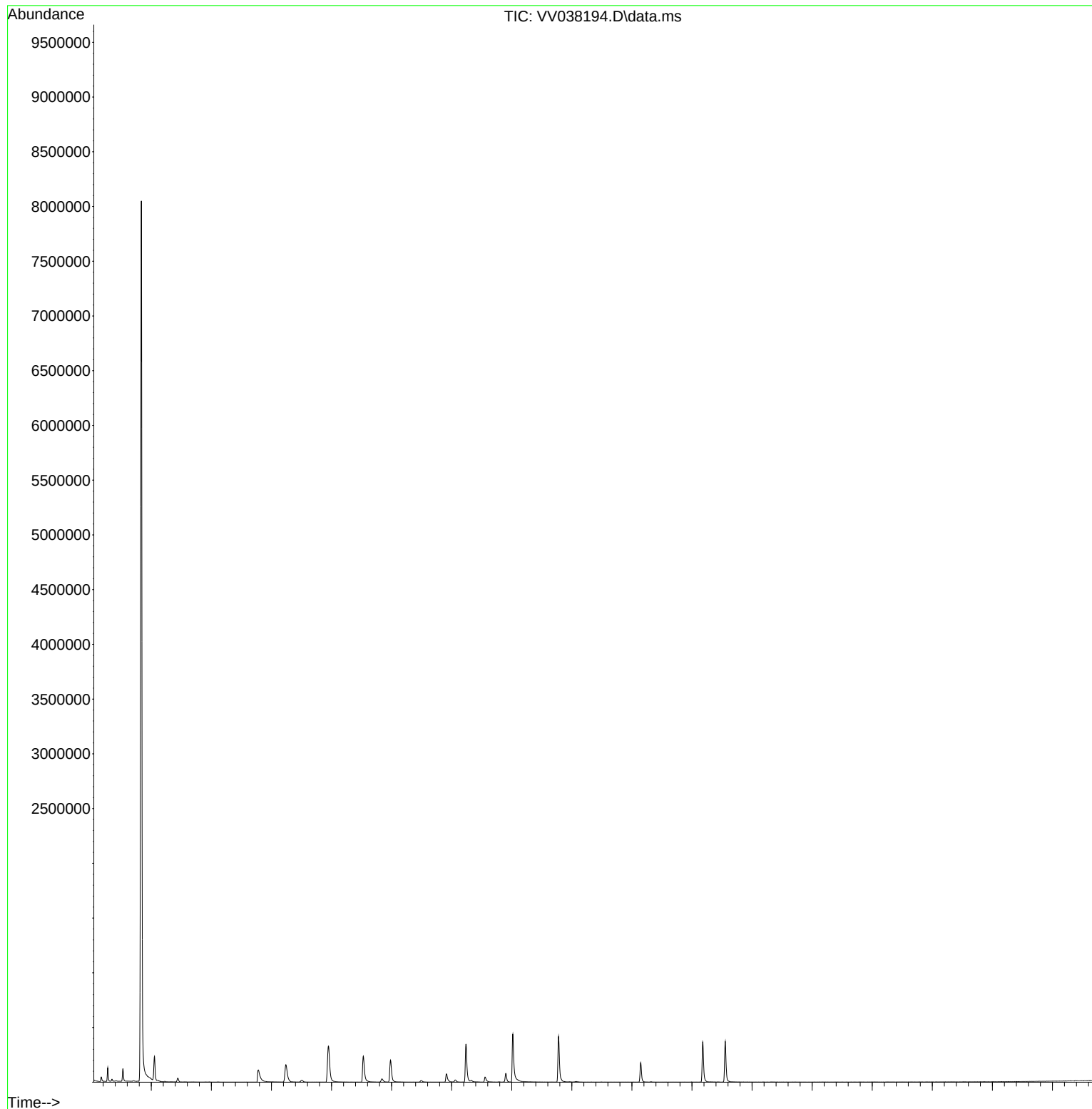
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 229177   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 252747   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 108767   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 78743    | 4.483    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 89.600%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 75362    | 5.304    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 106.000% |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 36560    | 4.836    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 96.800%  |
| 20) 2-Butanone-d5             | 3.780  | 46    | 180779   | 51.445   | ug/L  | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 102.900% |
| 24) Chloroform-d              | 4.240  | 84    | 179215   | 5.257    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 105.200% |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 88388    | 5.778    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 115.600% |
| 32) Benzene-d6                | 4.953  | 84    | 316464   | 4.845    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 96.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 106565   | 5.301    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 106.000% |
| 41) Toluene-d8                | 7.239  | 98    | 257140   | 4.254    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 85.000%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 35473    | 4.747    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 95.000%  |
| 46) 2-Hexanone-d5             | 8.018  | 63    | 163159   | 56.164   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 112.320% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 92410    | 5.415    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 108.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 105465   | 5.691    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 113.800% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       |          |
| 16) Methylene chloride        | 2.442  | 84    | 15523    | 0.832    | ug/L  | 96       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 2760     | 0.155    | ug/L  | 97       |
| 25) Chloroform                | 4.272  | 83    | 19661    | 0.587    | ug/L  | 95       |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97    | 14210    | 0.469    | ug/L  | 98       |
| 34) Trichloroethene           | 5.838  | 95    | 12242    | 0.633    | ug/L  | 93       |
| 47) Tetrachloroethene         | 7.902  | 164   | 20020    | 1.287    | ug/L  | 94       |
| 51) Chlorobenzene             | 8.812  | 112   | 8884     | 0.171    | ug/L  | 98       |
| -----                         |        |       |          |          |       |          |

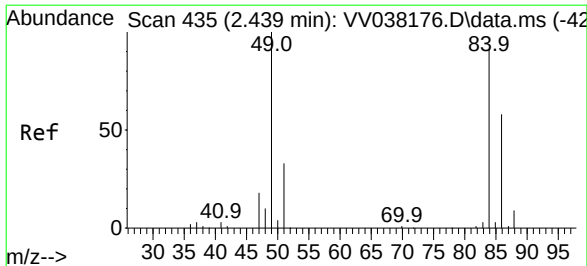
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111924\  
Data File : VV038194.D  
Acq On : 19 Nov 2024 22:12  
Operator : SY/MD  
Sample : P4882-07  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3H4

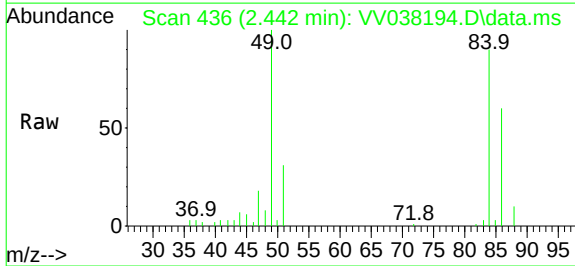
Quant Time: Nov 20 00:42:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Nov 19 22:47:22 2024  
Response via : Initial Calibration



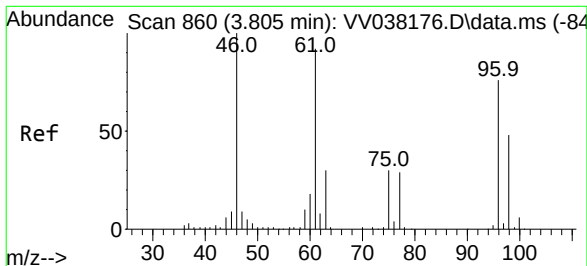
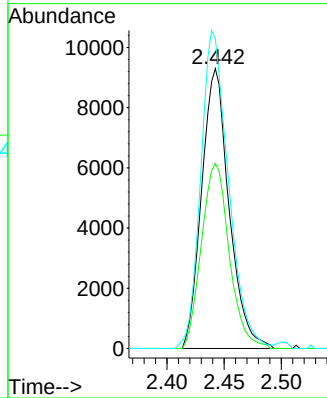
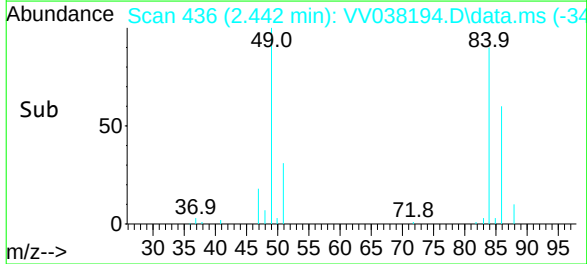


#16  
Methylene chloride  
Concen: 0.832 ug/L  
RT: 2.442 min Scan# 43  
Delta R.T. 0.003 min  
Lab File: VV038194.D  
Acq: 19 Nov 2024 22:12

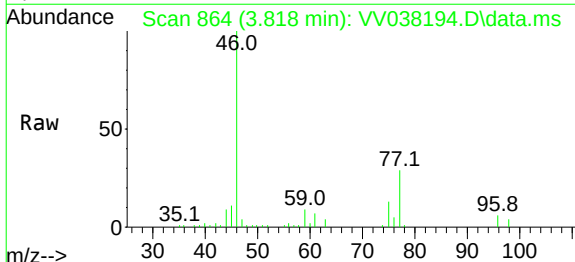
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3H4



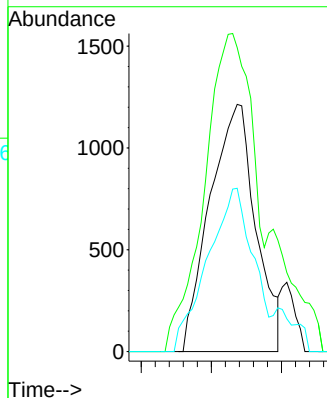
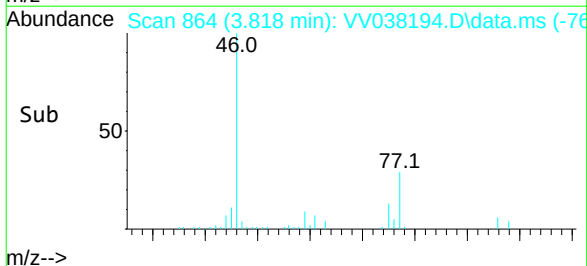
Tgt Ion: 84 Resp: 15523  
Ion Ratio Lower Upper  
84 100  
86 66.1 44.2 82.2  
49 110.7 74.9 139.1

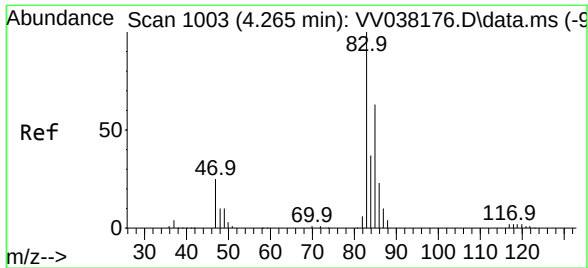


#22  
cis-1,2-Dichloroethene  
Concen: 0.155 ug/L  
RT: 3.818 min Scan# 864  
Delta R.T. 0.013 min  
Lab File: VV038194.D  
Acq: 19 Nov 2024 22:12



Tgt Ion: 96 Resp: 2760  
Ion Ratio Lower Upper  
96 100  
61 123.0 82.7 153.5  
98 66.1 46.3 85.9

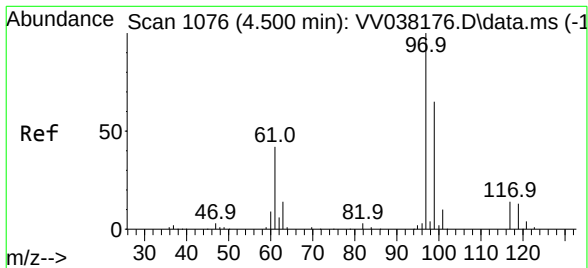
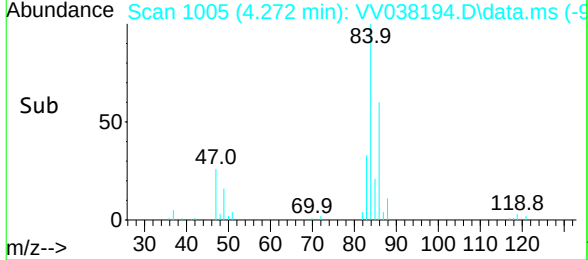
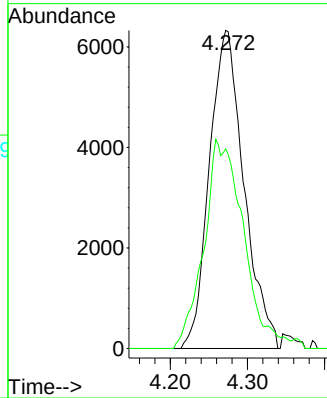
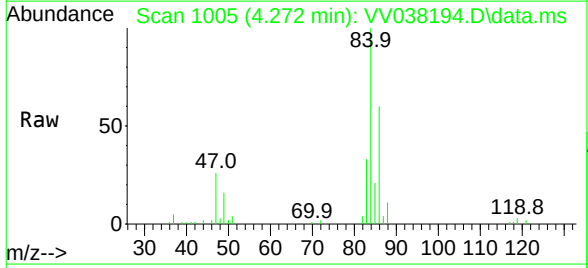




#25  
Chloroform  
Concen: 0.587 ug/L  
RT: 4.272 min Scan# 1005  
Delta R.T. 0.007 min  
Lab File: VV038194.D  
Acq: 19 Nov 2024 22:12

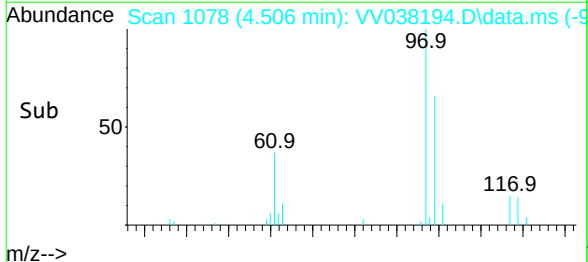
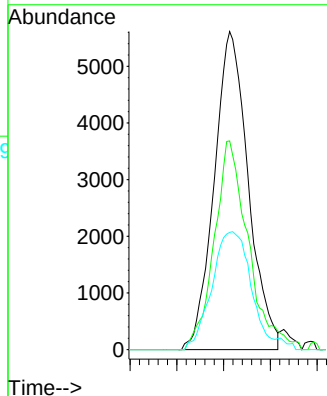
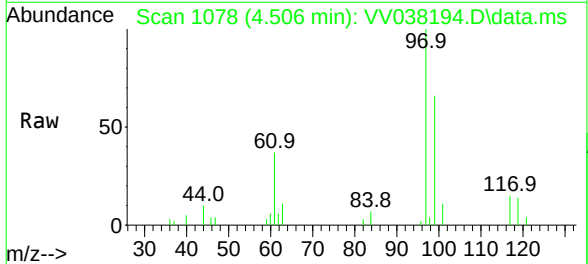
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3H4

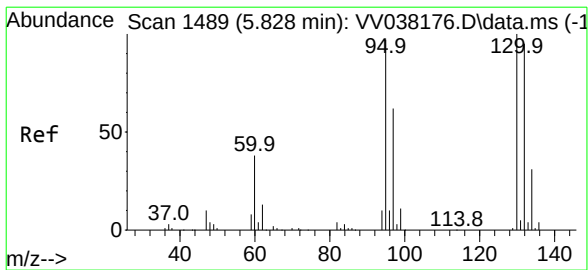
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 19661 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.8  | 46.5  | 86.3  |



#29  
1,1,1-Trichloroethane  
Concen: 0.469 ug/L  
RT: 4.506 min Scan# 1078  
Delta R.T. 0.007 min  
Lab File: VV038194.D  
Acq: 19 Nov 2024 22:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 14210 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.4  | 51.8  | 77.8  |
| 61       | 42.2  | 32.2  | 48.2  |





#34

Trichloroethene

Concen: 0.633 ug/L

RT: 5.838 min Scan# 1489

Delta R.T. 0.010 min

Lab File: VV038194.D

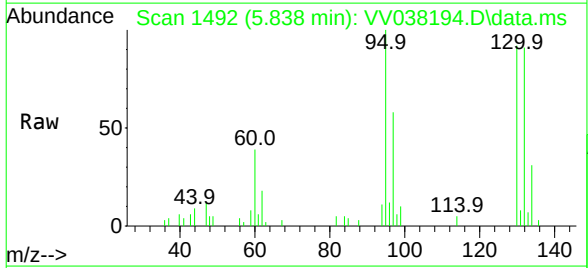
Acq: 19 Nov 2024 22:12

Instrument :

MSVOA\_V

ClientSampleId :

BG3H4



Tgt Ion: 95 Resp: 12242

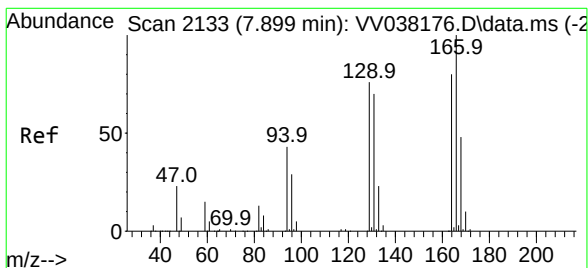
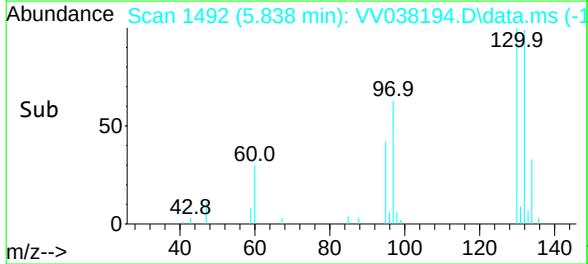
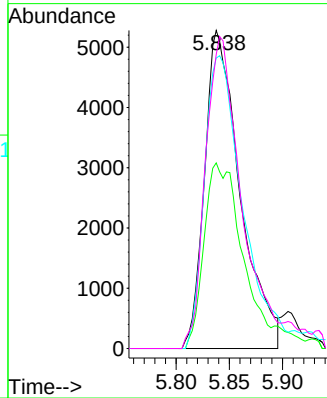
Ion Ratio Lower Upper

95 100

97 58.3 44.8 83.2

132 91.3 68.3 126.8

130 92.5 70.2 130.4



#47

Tetrachloroethene

Concen: 1.287 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV038194.D

Acq: 19 Nov 2024 22:12

Tgt Ion: 164 Resp: 20020

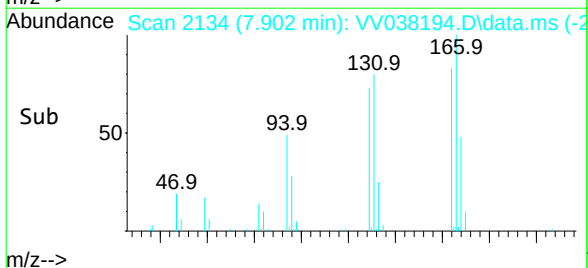
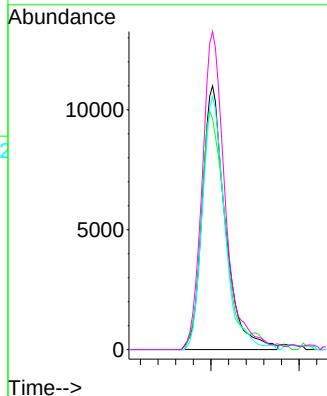
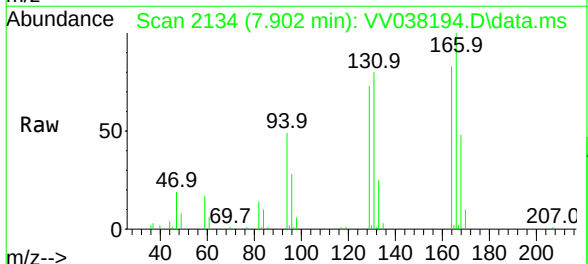
Ion Ratio Lower Upper

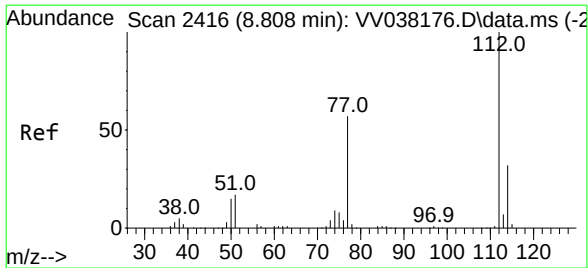
164 100

129 87.5 68.5 127.1

131 95.9 64.8 120.4

166 120.6 88.3 163.9





#51  
 Chlorobenzene  
 Concen: 0.171 ug/L  
 RT: 8.812 min Scan# 2417  
 Delta R.T. 0.003 min  
 Lab File: VV038194.D  
 Acq: 19 Nov 2024 22:12

Instrument : MSVOA\_V  
 ClientSampleId : BG3H4

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 8884 |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 114       | 34.2  | 22.0  | 40.8 |
| 77        | 56.9  | 45.0  | 67.4 |

