

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112124\  
 Data File : VV038234.D  
 Acq On : 21 Nov 2024 12:21  
 Operator : SY/MD  
 Sample : P4883-15  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3L4

Quant Time: Nov 22 01:44:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 22 01:41:27 2024  
 Response via : Initial Calibration

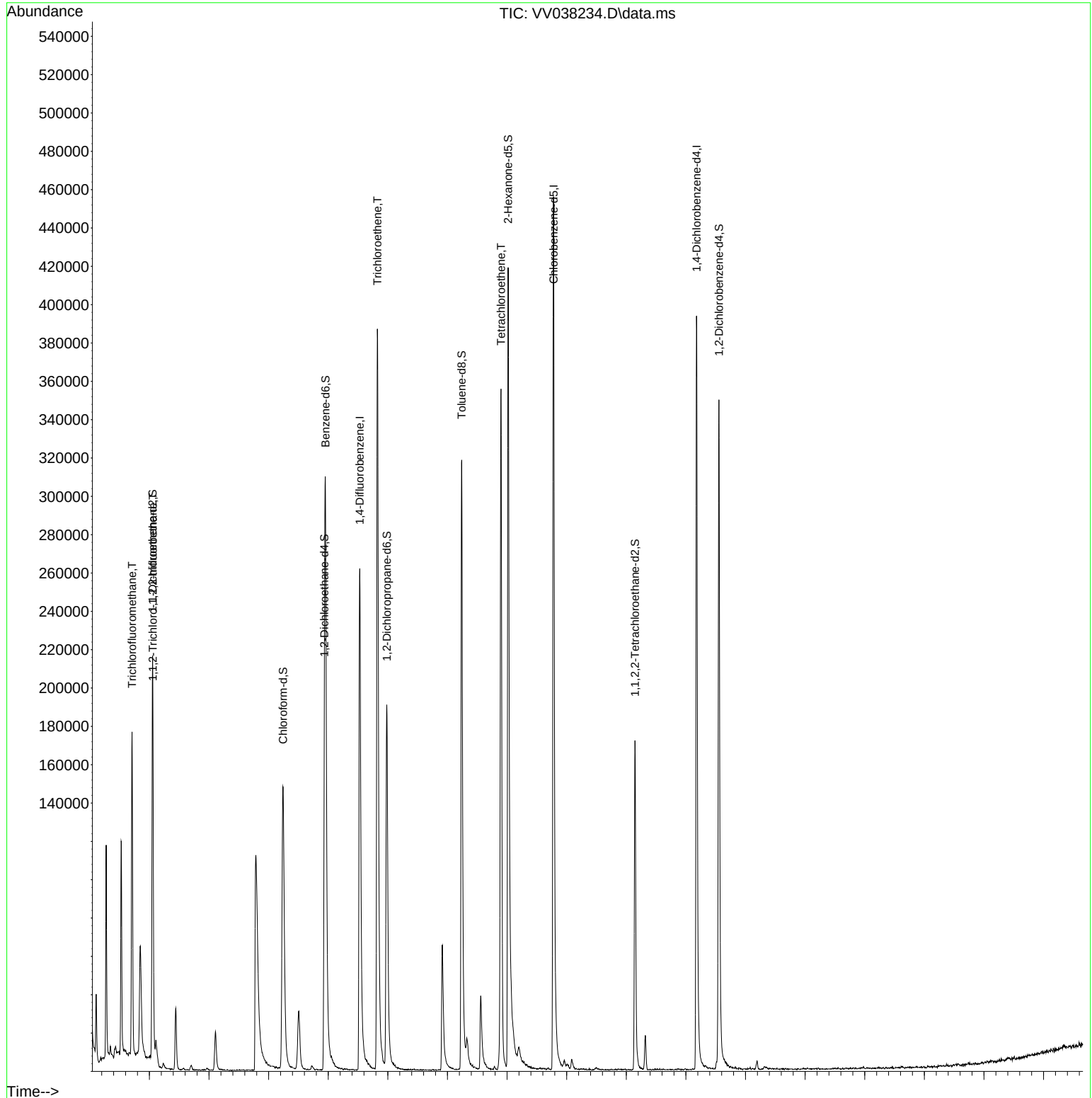
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 250324   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 271446   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 115522   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 71901    | 3.747    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 75.000%  |
| 7) Chloroethane-d5            | 1.526  | 69    | 72583    | 4.677    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 93.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 33181    | 4.019    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 80.400%  |
| 20) 2-Butanone-d5             | 3.783  | 46    | 186243   | 48.523   | ug/L  | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 97.040%  |
| 24) Chloroform-d              | 4.243  | 84    | 168957   | 4.537    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 90.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.934  | 65    | 83379    | 4.990    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 99.800%  |
| 32) Benzene-d6                | 4.953  | 84    | 298108   | 4.249    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 85.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 100058   | 4.635    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 92.600%  |
| 41) Toluene-d8                | 7.236  | 98    | 237179   | 3.654    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 73.000%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 29079    | 3.623    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 72.400%  |
| 46) 2-Hexanone-d5             | 8.018  | 63    | 160486   | 51.439   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 102.880% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 87543    | 4.777    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 95.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 100048   | 5.083    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 101.600% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 9860     | 0.416    | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 98232    | 2.987    | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.060  | 101   | 5863     | 0.312    | ug/L  | 90       |
| 16) Methylene chloride        | 2.442  | 84    | 14440    | 0.708    | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 3.108  | 63    | 20870    | 0.610    | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 3.809  | 96    | 13418    | 0.689    | ug/L  | 99       |
| 25) Chloroform                | 4.272  | 83    | 10684    | 0.292    | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97    | 26337    | 0.809    | ug/L  | 97       |
| 34) Trichloroethene           | 5.825  | 95    | 145641   | 7.007    | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.899  | 164   | 85267    | 5.105    | ug/L  | 98       |
| -----                         |        |       |          |          |       |          |

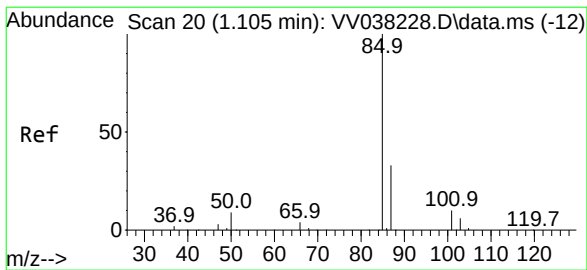
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112124\  
Data File : VV038234.D  
Acq On : 21 Nov 2024 12:21  
Operator : SY/MD  
Sample : P4883-15  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L4

Quant Time: Nov 22 01:44:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 22 01:41:27 2024  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.416 ug/L

RT: 1.105 min Scan# 20

Delta R.T. 0.000 min

Lab File: VV038234.D

Acq: 21 Nov 2024 12:21

Instrument :

MSVOA\_V

ClientSampleId :

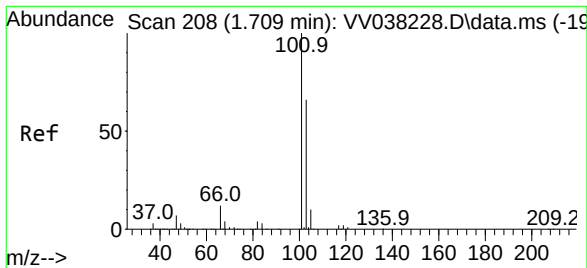
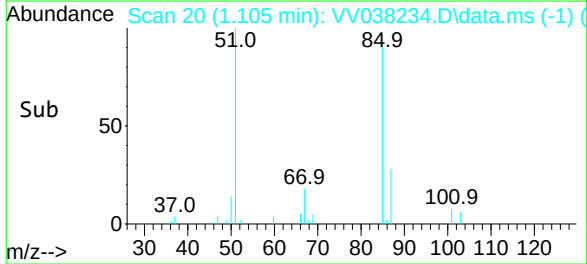
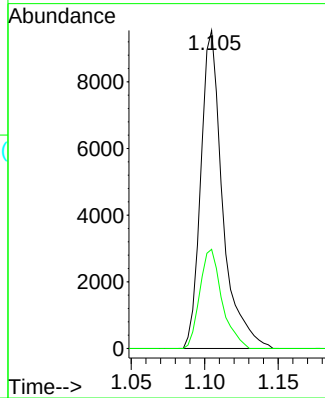
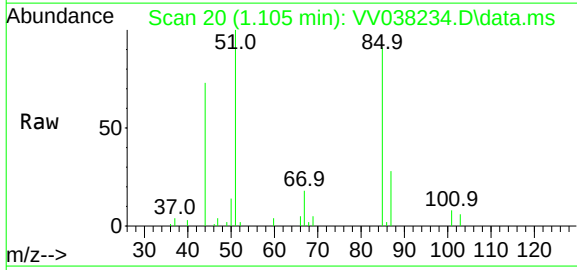
BG3L4

Tgt Ion: 85 Resp: 9860

Ion Ratio Lower Upper

85 100

87 31.8 26.5 39.7



#9

Trichlorofluoromethane

Concen: 2.987 ug/L

RT: 1.709 min Scan# 208

Delta R.T. 0.000 min

Lab File: VV038234.D

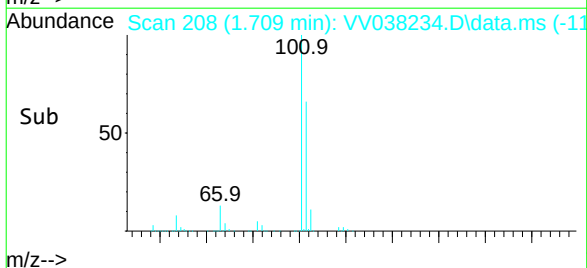
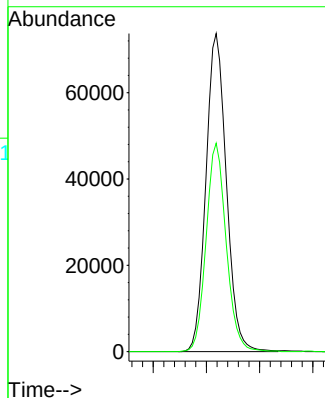
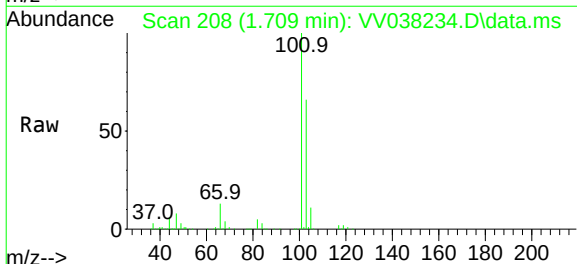
Acq: 21 Nov 2024 12:21

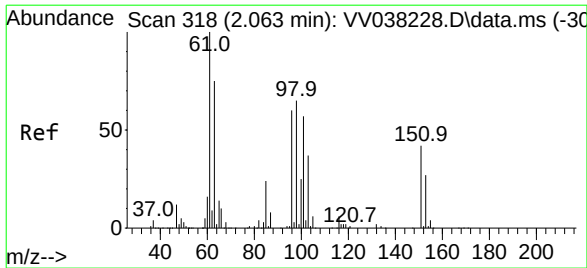
Tgt Ion: 101 Resp: 98232

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3

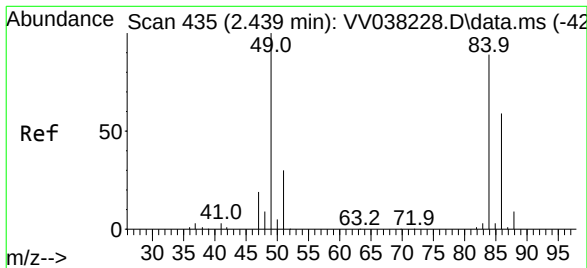
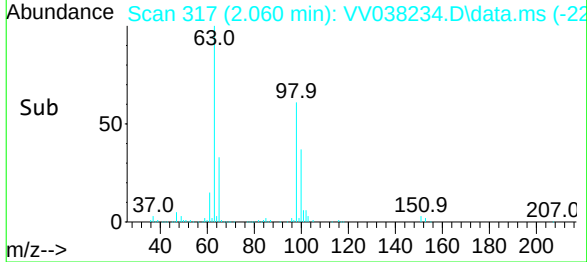
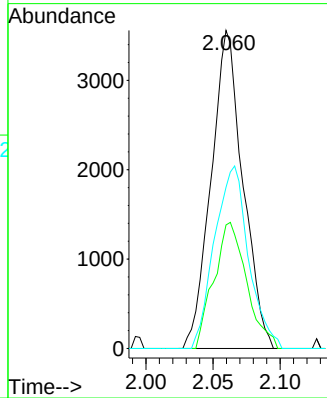
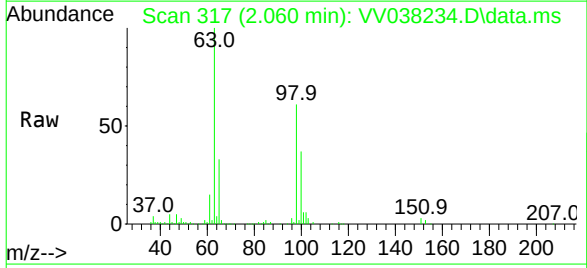




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.312 ug/L  
RT: 2.060 min Scan# 318  
Delta R.T. -0.003 min  
Lab File: VV038234.D  
Acq: 21 Nov 2024 12:21

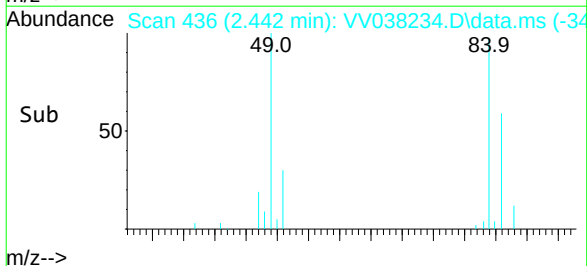
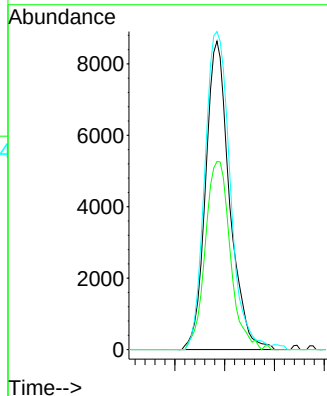
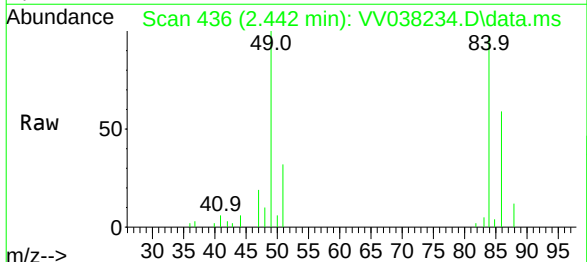
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L4

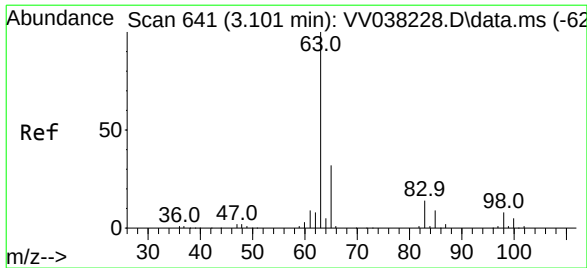
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 5863  |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 40.8  | 33.4  | 50.0  |
| 151      | 61.4  | 58.8  | 88.2  |



#16  
Methylene chloride  
Concen: 0.708 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VV038234.D  
Acq: 21 Nov 2024 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 14440 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 61.0  | 44.2  | 82.2  |
| 49       | 103.1 | 74.9  | 139.1 |

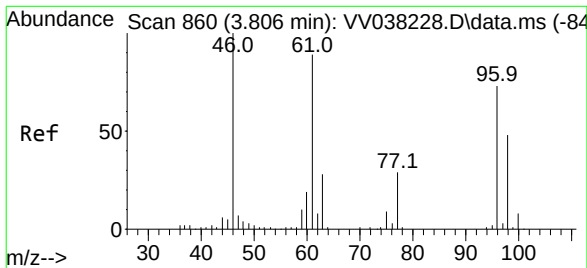
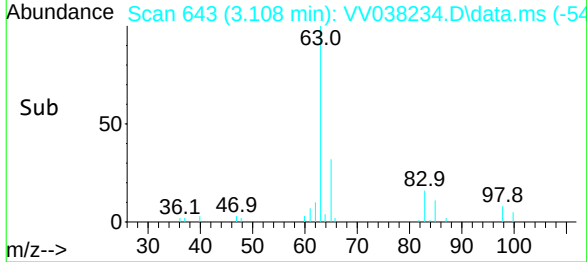
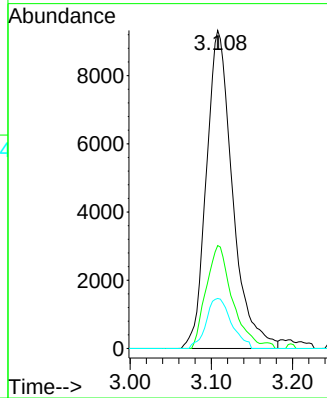
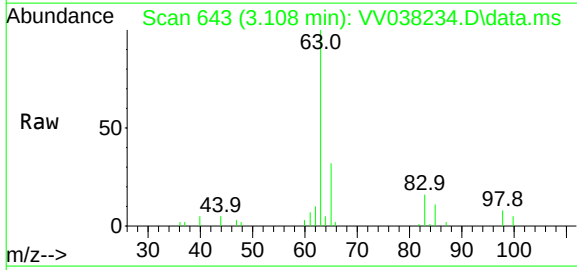




#19  
1,1-Dichloroethane  
Concen: 0.610 ug/L  
RT: 3.108 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VV038234.D  
Acq: 21 Nov 2024 12:21

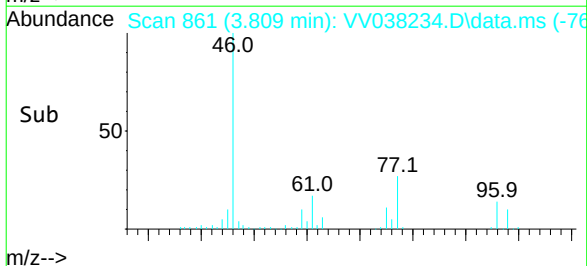
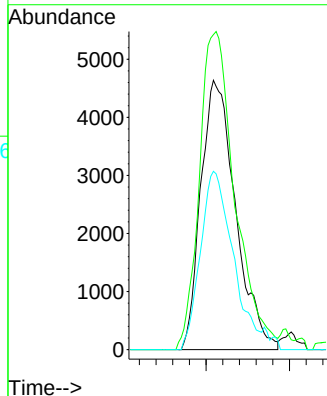
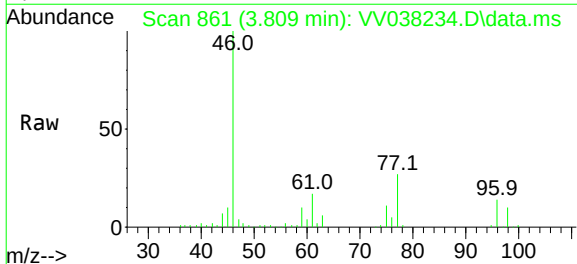
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L4

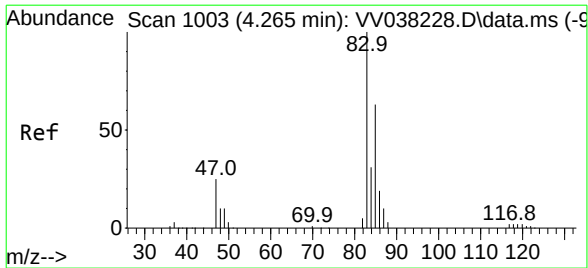
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 20870 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 33.9  | 22.5  | 41.7  |
| 83       | 15.7  | 10.1  | 18.9  |



#22  
cis-1,2-Dichloroethene  
Concen: 0.689 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. 0.003 min  
Lab File: VV038234.D  
Acq: 21 Nov 2024 12:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 13418 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 117.0 | 82.7  | 153.5 |
| 98       | 66.2  | 46.3  | 85.9  |

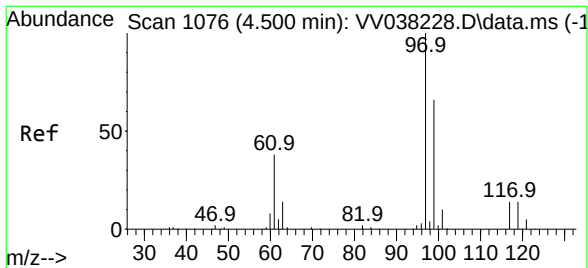
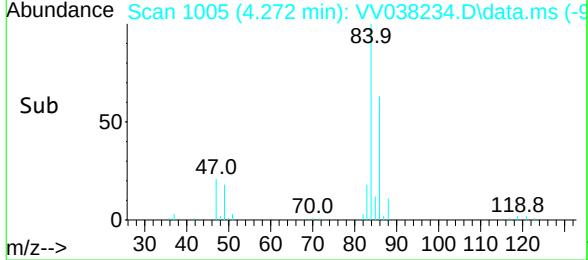
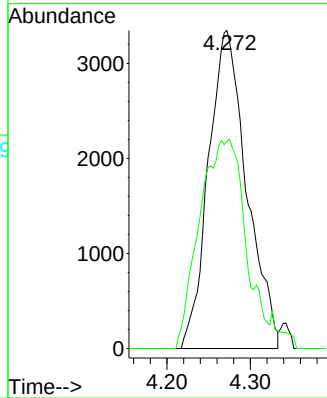
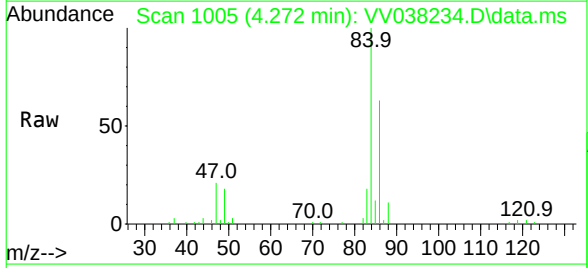




#25  
 Chloroform  
 Concen: 0.292 ug/L  
 RT: 4.272 min Scan# 10  
 Delta R.T. 0.006 min  
 Lab File: VV038234.D  
 Acq: 21 Nov 2024 12:21

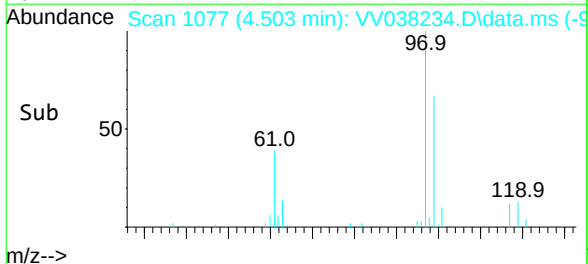
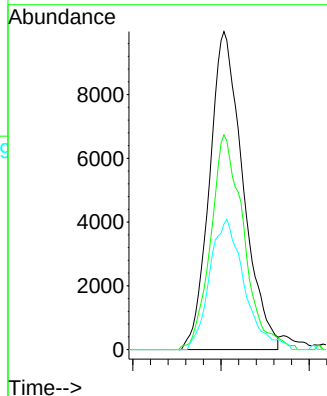
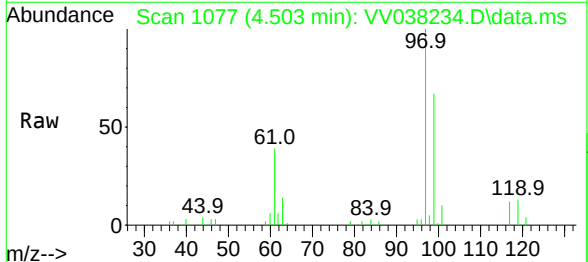
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3L4

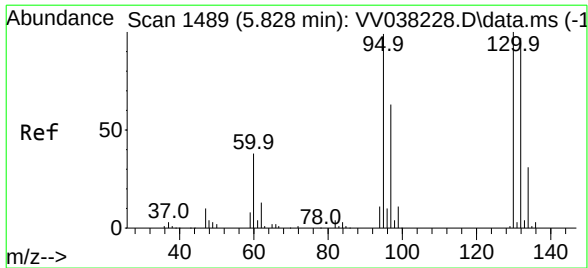
Tgt Ion: 83 Resp: 10684  
 Ion Ratio Lower Upper  
 83 100  
 85 65.1 46.5 86.3



#29  
 1,1,1-Trichloroethane  
 Concen: 0.809 ug/L  
 RT: 4.503 min Scan# 1077  
 Delta R.T. 0.003 min  
 Lab File: VV038234.D  
 Acq: 21 Nov 2024 12:21

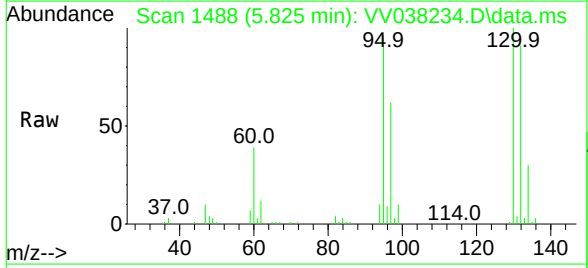
Tgt Ion: 97 Resp: 26337  
 Ion Ratio Lower Upper  
 97 100  
 99 66.4 51.8 77.8  
 61 42.4 32.2 48.2



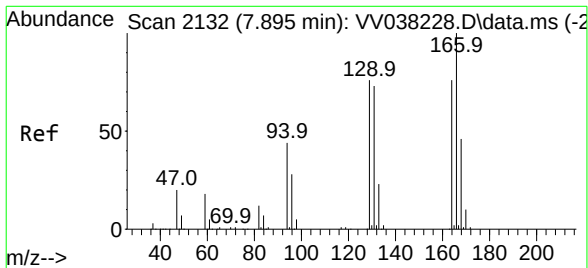
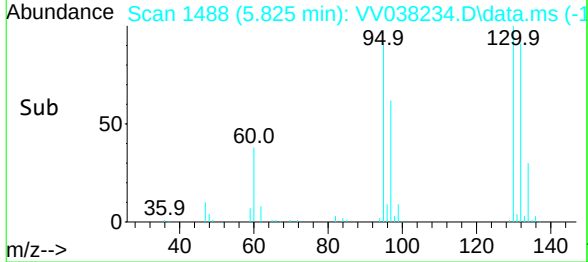
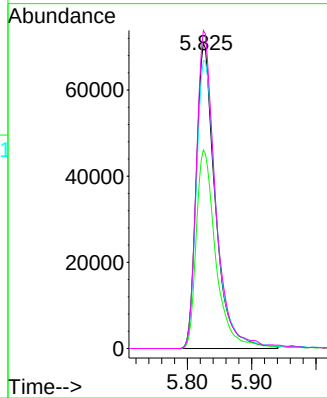


#34  
Trichloroethene  
Concen: 7.007 ug/L  
RT: 5.825 min Scan# 1489  
Delta R.T. -0.003 min  
Lab File: VV038234.D  
Acq: 21 Nov 2024 12:21

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L4



Tgt Ion: 95 Resp: 145641  
Ion Ratio Lower Upper  
95 100  
97 65.0 44.8 83.2  
132 94.3 68.3 126.8  
130 104.2 70.2 130.4



#47  
Tetrachloroethene  
Concen: 5.105 ug/L  
RT: 7.899 min Scan# 2133  
Delta R.T. 0.003 min  
Lab File: VV038234.D  
Acq: 21 Nov 2024 12:21

Tgt Ion: 164 Resp: 85267  
Ion Ratio Lower Upper  
164 100  
129 96.0 68.5 127.1  
131 90.1 64.8 120.4  
166 126.8 88.3 163.9

