

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112124\  
 Data File : VV038236.D  
 Acq On : 21 Nov 2024 13:10  
 Operator : SY/MD  
 Sample : P4883-17  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3L6

Quant Time: Nov 22 01:45:08 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

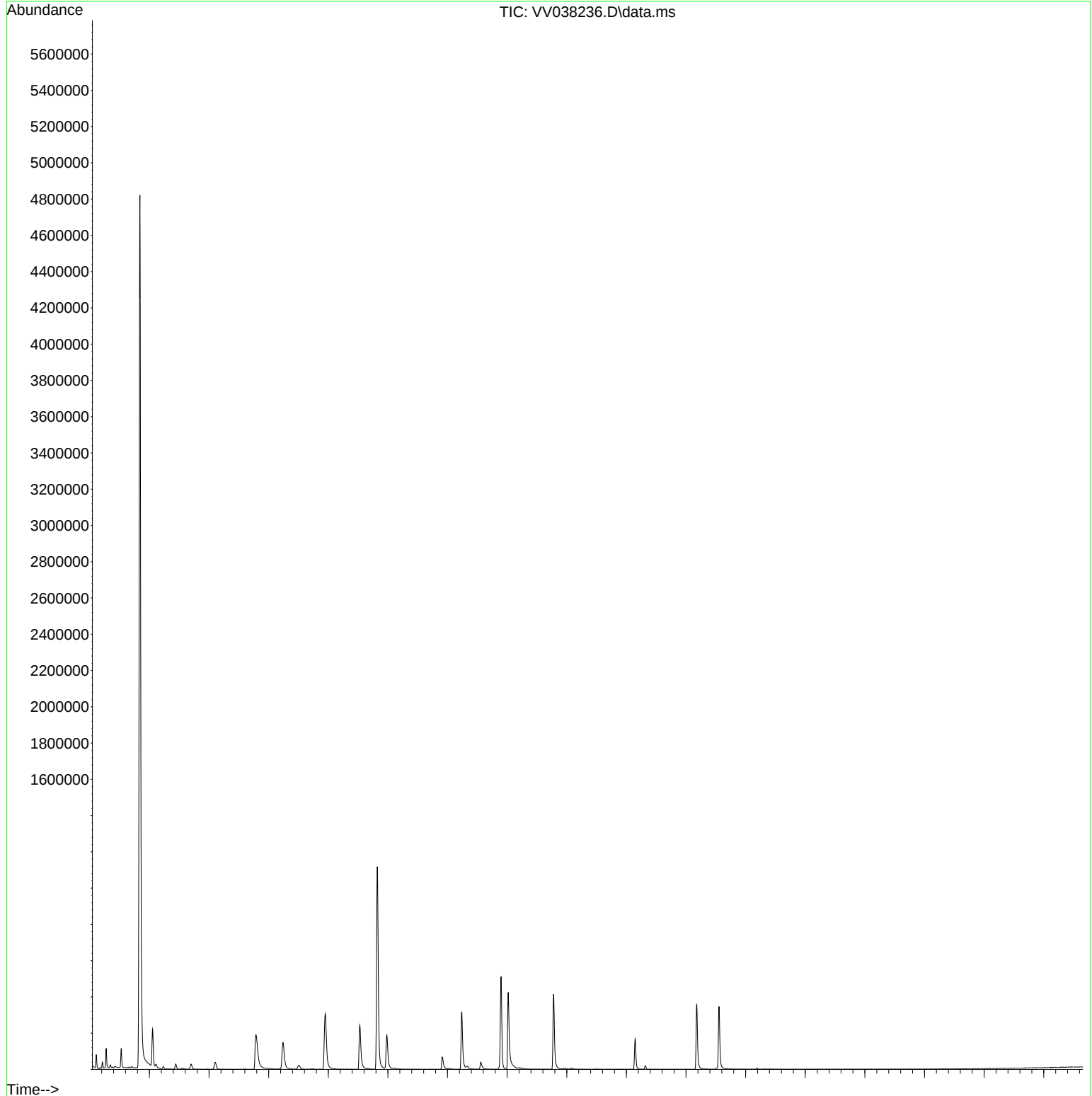
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 232186   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 251825   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 108651   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 69059    | 3.880    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 77.600%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 70042    | 4.865    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 32458    | 4.238    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.800%  |
| 20) 2-Butanone-d5             | 3.783  | 46    | 196746   | 55.263   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 110.520% |
| 24) Chloroform-d              | 4.240  | 84    | 168860   | 4.889    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 84445    | 5.449    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 109.000% |
| 32) Benzene-d6                | 4.953  | 84    | 289859   | 4.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 98094    | 4.898    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.000%  |
| 41) Toluene-d8                | 7.236  | 98    | 236687   | 3.930    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 78.600%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 31021    | 4.166    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 83.400%  |
| 46) 2-Hexanone-d5             | 8.018  | 63    | 160864   | 55.577   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 111.160% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 85686    | 5.040    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 97503    | 5.267    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 105.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 3) Chloromethane              | 1.211  | 50    | 22493    | 1.189    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 4973     | 0.163    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.063  | 96    | 5666     | 0.342    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.233  | 76    | 13102    | 0.245    | ug/L # | 95       |
| 16) Methylene chloride        | 2.439  | 84    | 12757    | 0.675    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.699  | 73    | 24876    | 0.663    | ug/L # | 93       |
| 19) 1,1-Dichloroethane        | 3.108  | 63    | 32713    | 1.032    | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 3.809  | 96    | 20389    | 1.129    | ug/L   | 95       |
| 25) Chloroform                | 4.269  | 83    | 8455     | 0.249    | ug/L   | 92       |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97    | 20098    | 0.665    | ug/L   | 98       |
| 34) Trichloroethene           | 5.822  | 95    | 415299   | 21.537   | ug/L   | 99       |
| 42) Toluene                   | 7.330  | 91    | 15229    | 0.203    | ug/L   | 89       |
| 47) Tetrachloroethene         | 7.895  | 164   | 121323   | 7.830    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

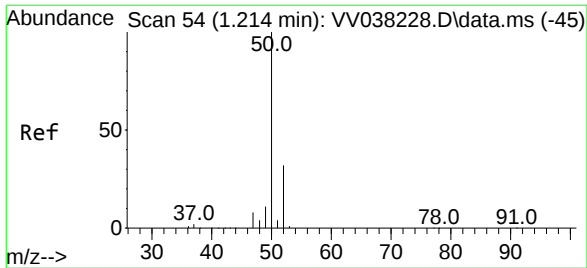
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112124\  
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Sample : P4883-17  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L6

Quant Time: Nov 22 01:45:08 2024  
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 22 01:41:27 2024  
Response via : Initial Calibration

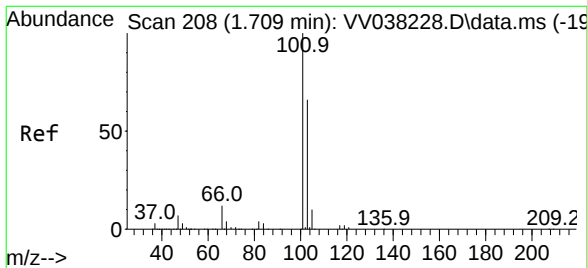
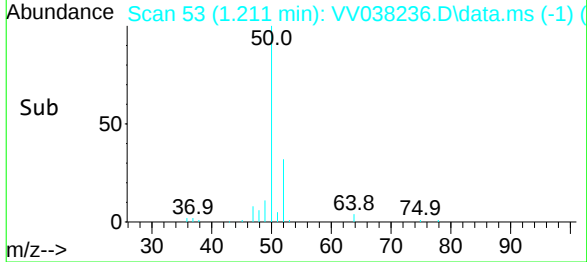
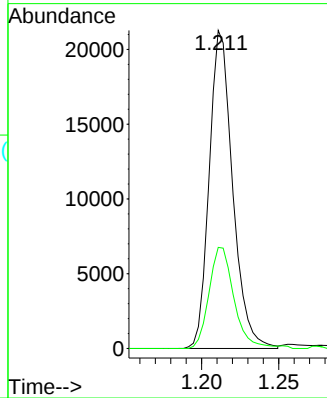
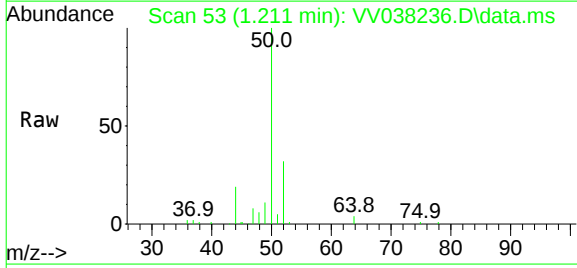




#3  
Chloromethane  
Concen: 1.189 ug/L  
RT: 1.211 min Scan# 53  
Delta R.T. -0.003 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

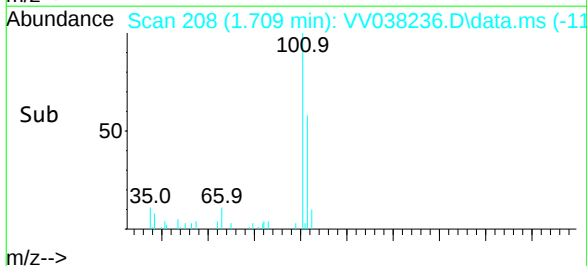
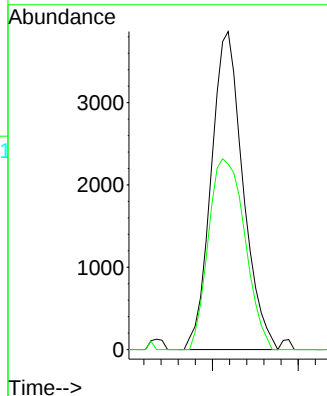
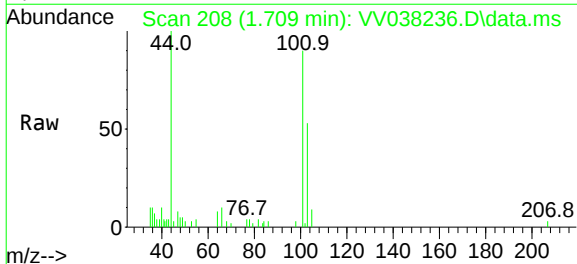
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L6

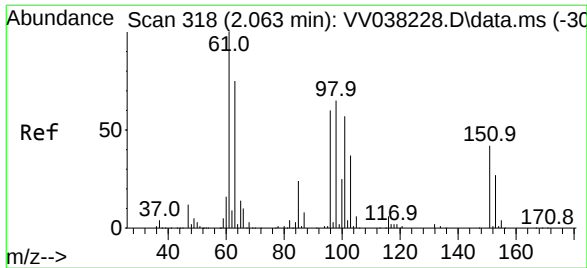
Tgt Ion: 50 Resp: 22493  
Ion Ratio Lower Upper  
50 100  
52 31.8 23.5 43.7



#9  
Trichlorofluoromethane  
Concen: 0.163 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. -0.000 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

Tgt Ion: 101 Resp: 4973  
Ion Ratio Lower Upper  
101 100  
103 68.7 51.5 77.3

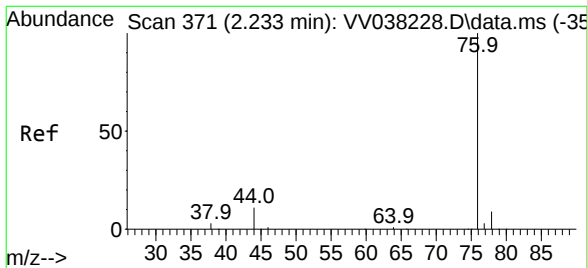
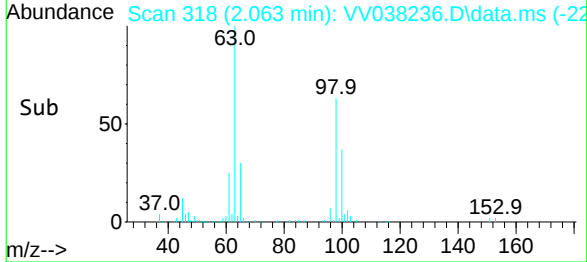
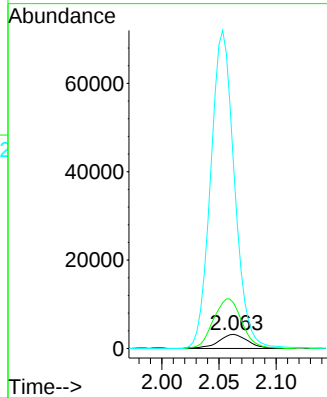
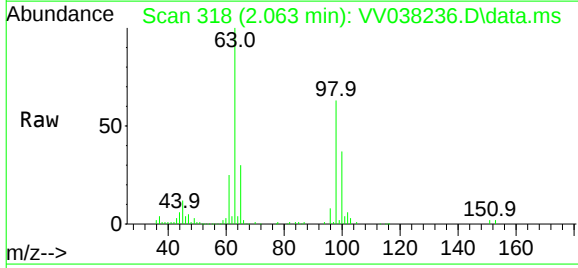




#12  
1,1-Dichloroethene  
Concen: 0.342 ug/L  
RT: 2.063 min Scan# 318  
Delta R.T. -0.000 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

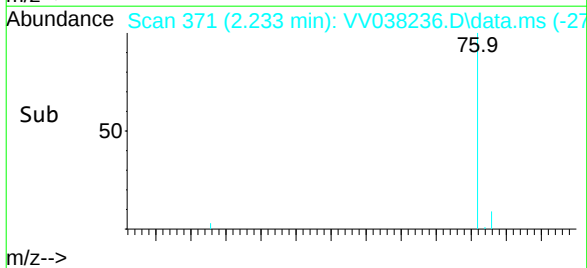
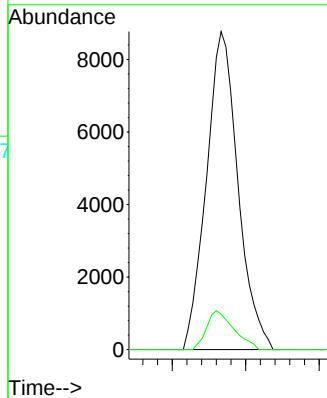
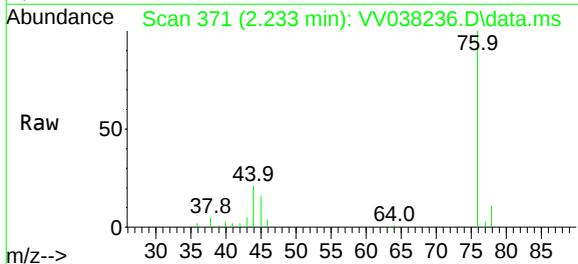
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L6

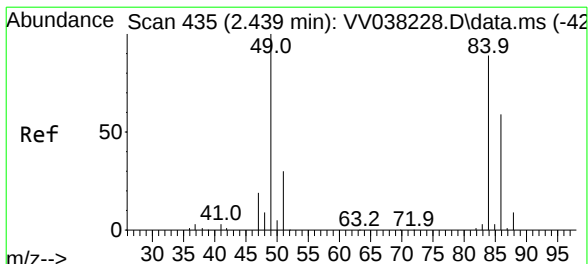
Tgt Ion: 96 Resp: 5666  
Ion Ratio Lower Upper  
96 100  
61 320.3 115.7 214.9#  
63 1277.1 101.1 187.7#



#14  
Carbon disulfide  
Concen: 0.245 ug/L  
RT: 2.233 min Scan# 371  
Delta R.T. -0.000 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

Tgt Ion: 76 Resp: 13102  
Ion Ratio Lower Upper  
76 100  
78 11.2 7.4 11.0#

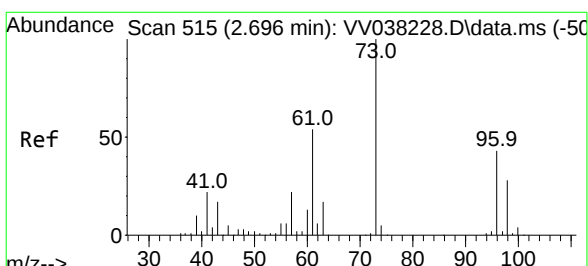
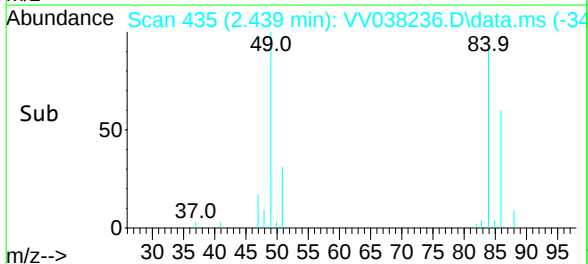
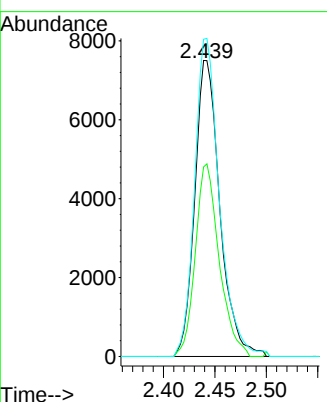
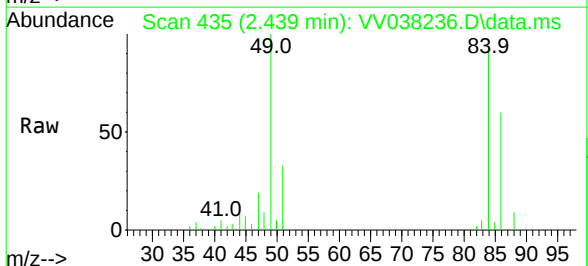




#16  
Methylene chloride  
Concen: 0.675 ug/L  
RT: 2.439 min Scan# 43  
Delta R.T. -0.000 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

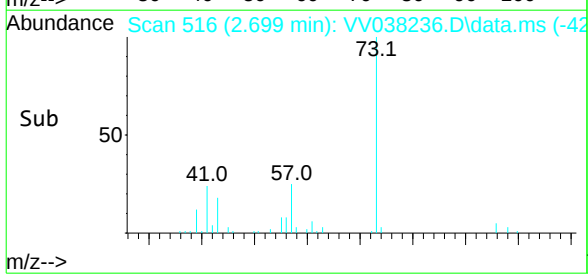
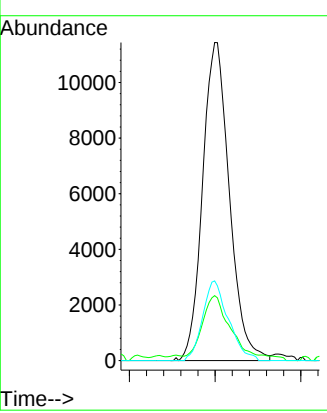
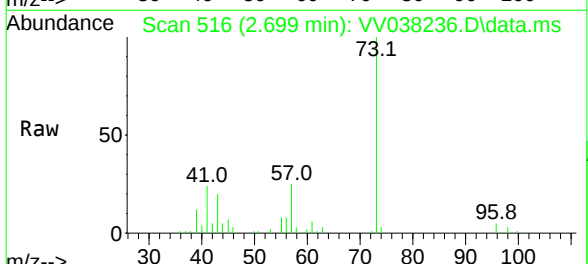
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L6

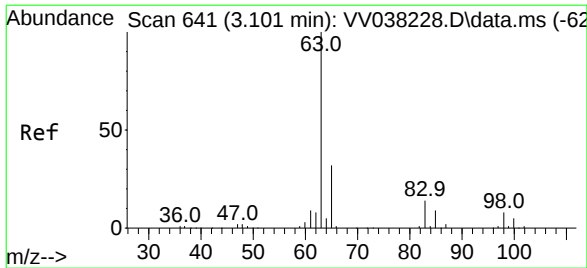
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12757 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 64.0  | 44.2  | 82.2  |
| 49       | 107.2 | 74.9  | 139.1 |



#17  
Methyl tert-butyl Ether  
Concen: 0.663 ug/L  
RT: 2.699 min Scan# 516  
Delta R.T. 0.003 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 73    | Resp: | 24876 |
| Ion      | Ratio | Lower | Upper |
| 73       | 100   |       |       |
| 43       | 22.6  | 14.2  | 21.2# |
| 57       | 24.0  | 17.6  | 26.4  |

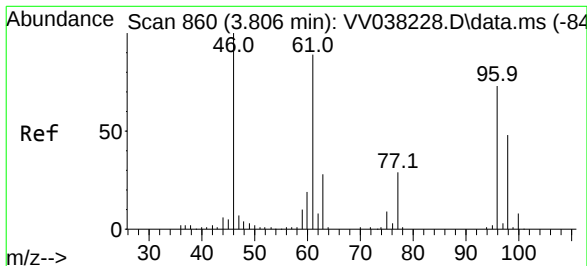
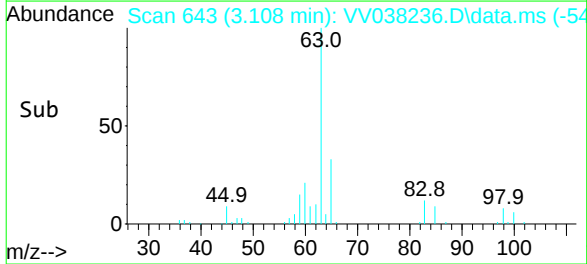
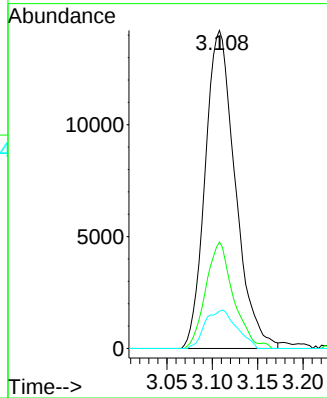
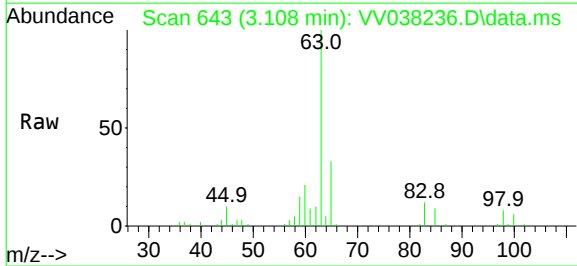




#19  
1,1-Dichloroethane  
Concen: 1.032 ug/L  
RT: 3.108 min Scan# 641  
Delta R.T. 0.006 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

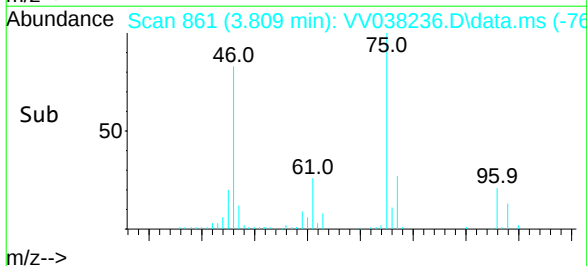
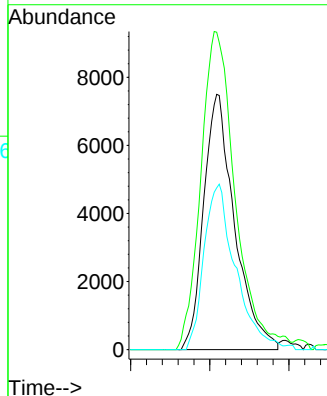
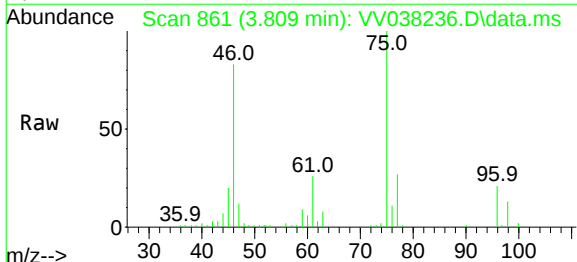
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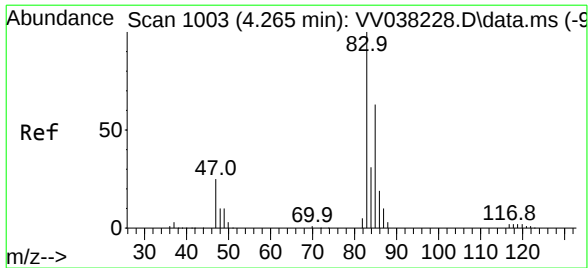
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 32713 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 33.5  | 22.5  | 41.7  |
| 83       | 11.7  | 10.1  | 18.9  |



#22  
cis-1,2-Dichloroethene  
Concen: 1.129 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. 0.003 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 20389 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 124.4 | 82.7  | 153.5 |
| 98       | 63.4  | 46.3  | 85.9  |

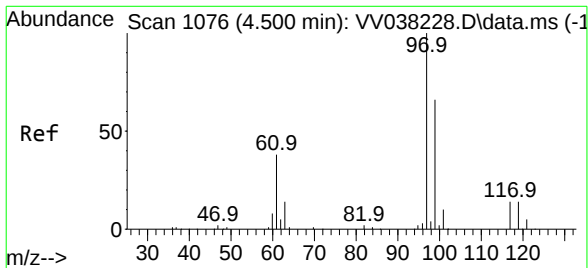
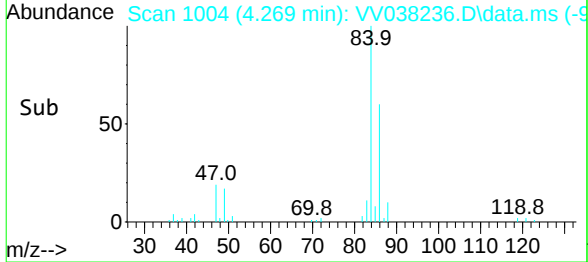
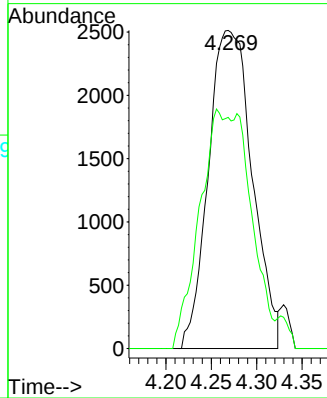
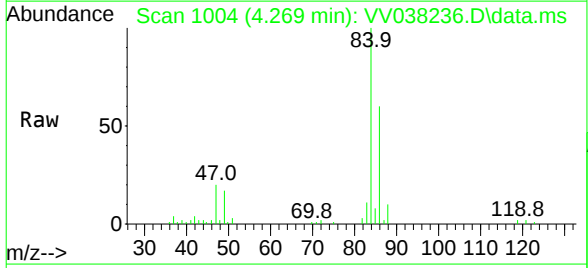




#25  
Chloroform  
Concen: 0.249 ug/L  
RT: 4.269 min Scan# 10  
Delta R.T. 0.003 min  
Lab File: VV038236.D  
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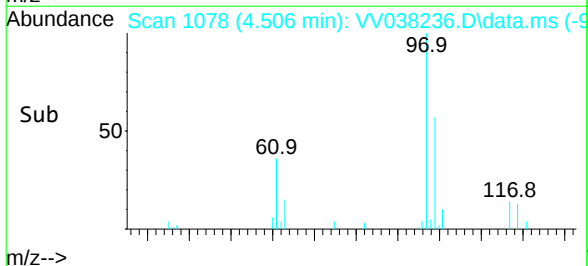
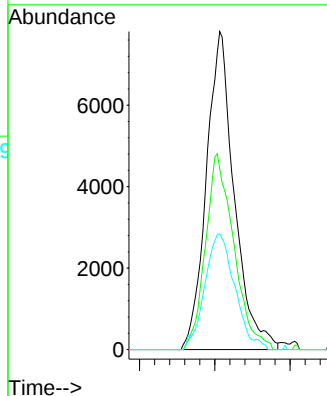
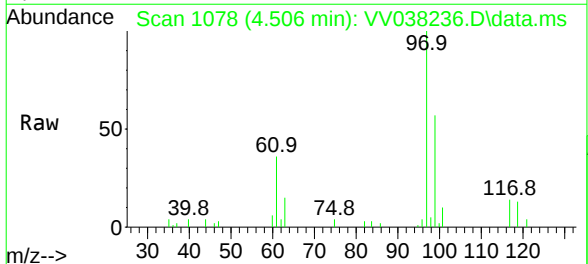
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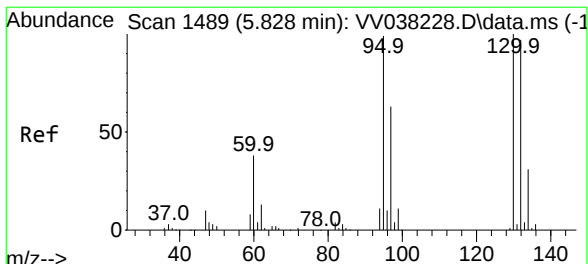
Tgt Ion: 83 Resp: 8455  
Ion Ratio Lower Upper  
83 100  
85 72.7 46.5 86.3



#29  
1,1,1-Trichloroethane  
Concen: 0.665 ug/L  
RT: 4.506 min Scan# 1078  
Delta R.T. 0.006 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

Tgt Ion: 97 Resp: 20098  
Ion Ratio Lower Upper  
97 100  
99 62.5 51.8 77.8  
61 39.2 32.2 48.2

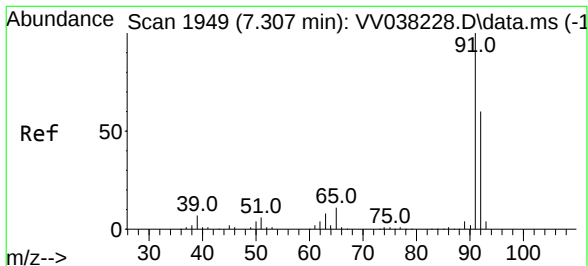
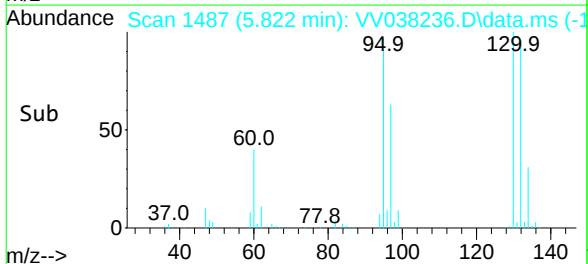
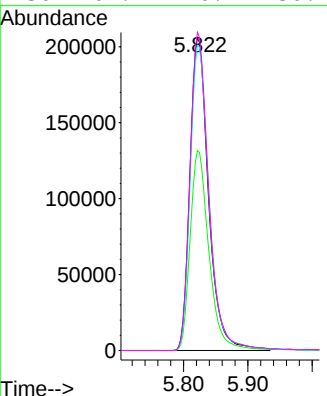
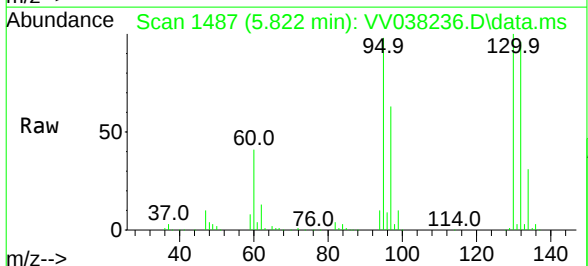




#34  
 Trichloroethene  
 Concen: 21.537 ug/L  
 RT: 5.822 min Scan# 1487  
 Delta R.T. -0.006 min  
 Lab File: VV038236.D  
 Acq: 21 Nov 2024 13:10

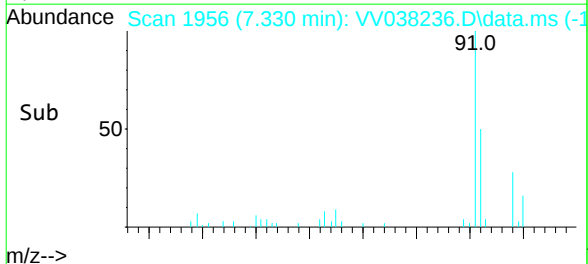
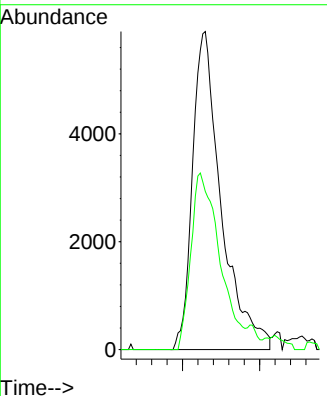
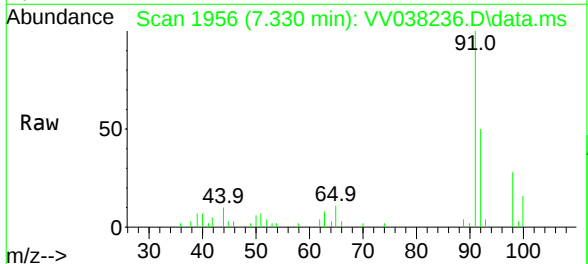
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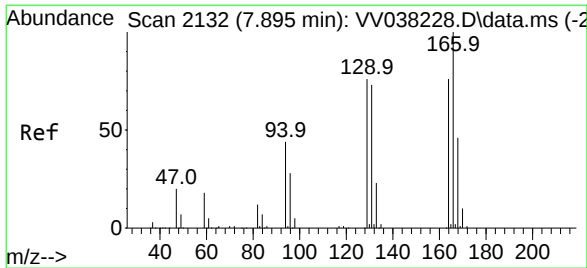
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|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 415299 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 64.0  | 44.8  | 83.2   |
| 132      | 97.6  | 68.3  | 126.8  |
| 130      | 101.7 | 70.2  | 130.4  |



#42  
 Toluene  
 Concen: 0.203 ug/L  
 RT: 7.330 min Scan# 1956  
 Delta R.T. 0.022 min  
 Lab File: VV038236.D  
 Acq: 21 Nov 2024 13:10

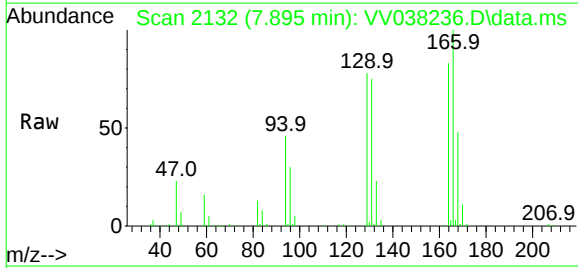
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 15229 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 49.7  | 40.8  | 75.8  |





#47  
Tetrachloroethene  
Concen: 7.830 ug/L  
RT: 7.895 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV038236.D  
Acq: 21 Nov 2024 13:10

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG3L6



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 121323 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 93.7  | 68.5  | 127.1  |
| 131      | 90.2  | 64.8  | 120.4  |
| 166      | 120.0 | 88.3  | 163.9  |

