

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112224\  
 Data File : VV038287.D  
 Acq On : 22 Nov 2024 23:07  
 Operator : SY/MD  
 Sample : P4930-03  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG441

Quant Time: Nov 23 02:06:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 23 02:01:29 2024  
 Response via : Initial Calibration

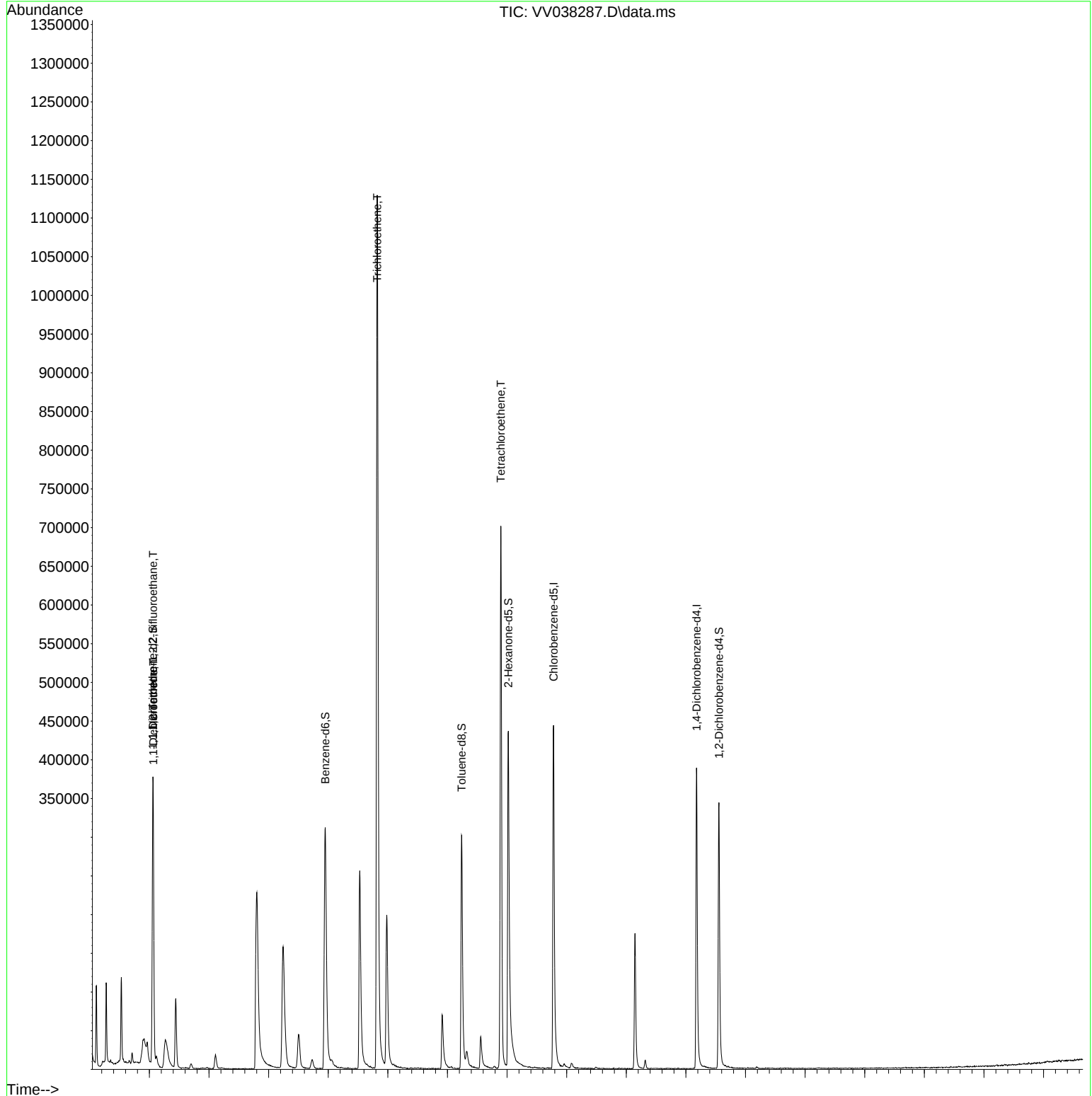
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 237990   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.779  | 117   | 263979   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 109141   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 65737    | 3.604    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 72.000%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 69722    | 4.725    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 29360    | 3.740    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.800%  |
| 20) 2-Butanone-d5             | 3.786  | 46    | 223527   | 61.255   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 122.500% |
| 24) Chloroform-d              | 4.239  | 84    | 172701   | 4.878    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 82597    | 5.200    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.000% |
| 32) Benzene-d6                | 4.950  | 84    | 294054   | 4.310    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 105552   | 5.028    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.600% |
| 41) Toluene-d8                | 7.236  | 98    | 222774   | 3.529    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 70.600%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 29741    | 3.810    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 76.200%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 168303   | 55.470   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 110.940% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 88157    | 4.946    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 96623    | 5.196    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 4612     | 0.205    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 7643     | 0.244    | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101   | 17569    | 0.985    | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 62722    | 3.690    | ug/L   | 90       |
| 16) Methylene chloride        | 2.442  | 84    | 38965    | 2.010    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.108  | 63    | 18985    | 0.584    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.805  | 96    | 85056    | 4.594    | ug/L   | 99       |
| 25) Chloroform                | 4.272  | 83    | 40763    | 1.172    | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97    | 39930    | 1.261    | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.731  | 117   | 9946     | 0.356    | ug/L   | 97       |
| 34) Trichloroethene           | 5.821  | 95    | 419499   | 20.753   | ug/L   | 99       |
| 42) Toluene                   | 7.323  | 91    | 18967    | 0.242    | ug/L   | 92       |
| 47) Tetrachloroethene         | 7.895  | 164   | 156708   | 9.648    | ug/L   | 98       |
| 51) Chlorobenzene             | 8.812  | 112   | 11782    | 0.218    | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83    | 2902     | 0.165    | ug/L # | 88       |
| -----                         |        |       |          |          |        |          |

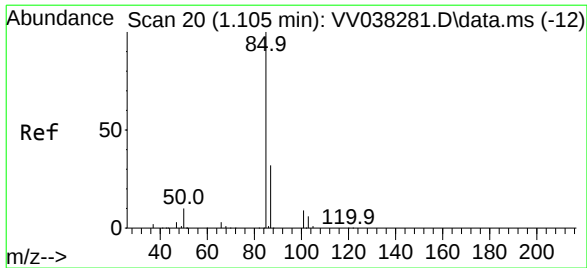
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112224\  
Data File : VV038287.D  
Acq On : 22 Nov 2024 23:07  
Operator : SY/MD  
Sample : P4930-03  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG441

Quant Time: Nov 23 02:06:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Nov 23 02:01:29 2024  
Response via : Initial Calibration

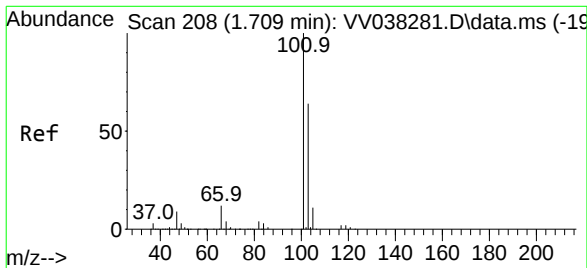
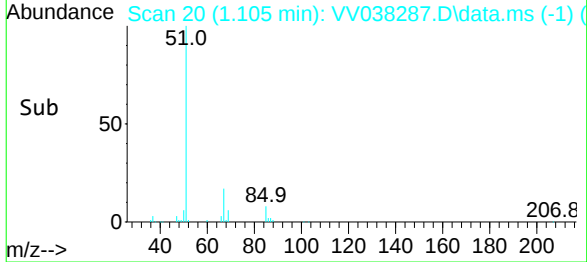
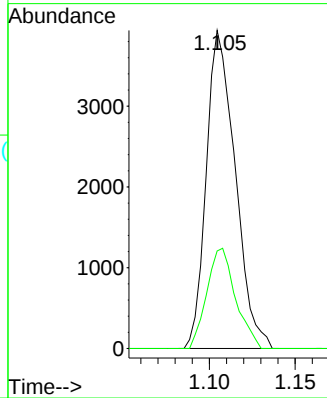
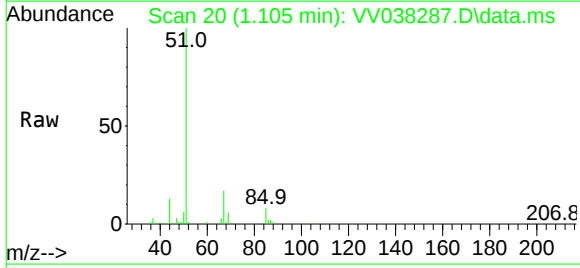




#2  
Dichlorodifluoromethane  
Concen: 0.205 ug/L  
RT: 1.105 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

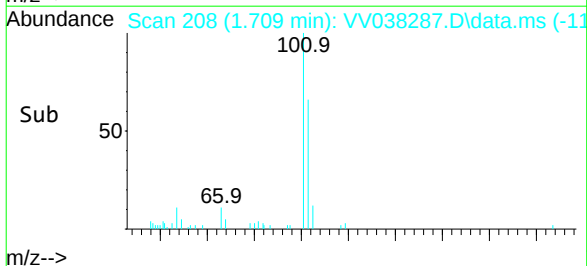
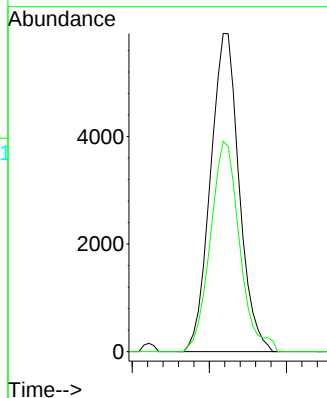
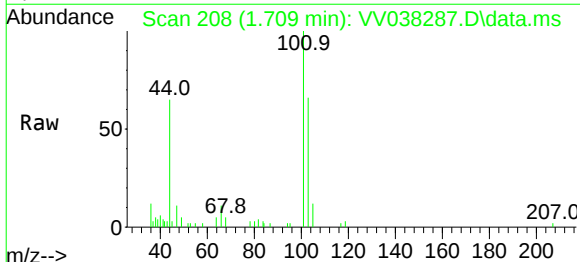
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG441

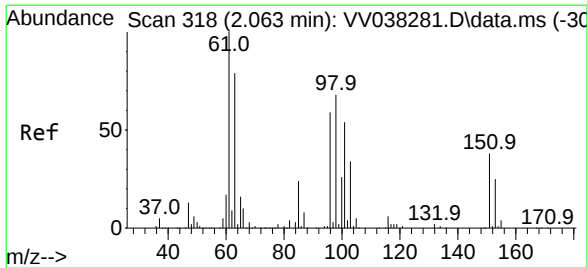
Tgt Ion: 85 Resp: 4612  
Ion Ratio Lower Upper  
85 100  
87 31.3 26.5 39.7



#9  
Trichlorofluoromethane  
Concen: 0.244 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. -0.000 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

Tgt Ion: 101 Resp: 7643  
Ion Ratio Lower Upper  
101 100  
103 67.3 51.5 77.3

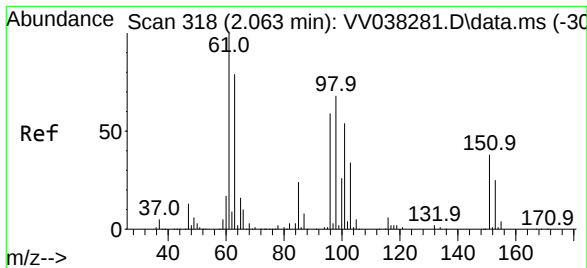
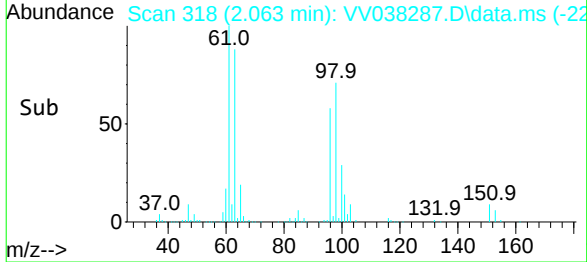
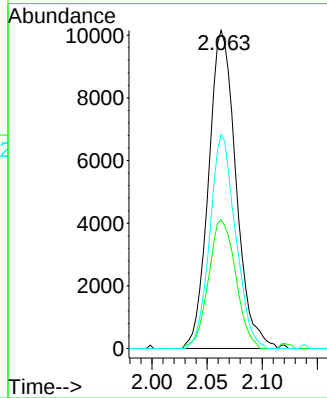
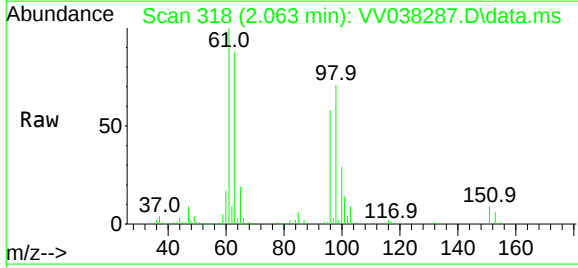




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.985 ug/L  
RT: 2.063 min Scan# 318  
Delta R.T. -0.000 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

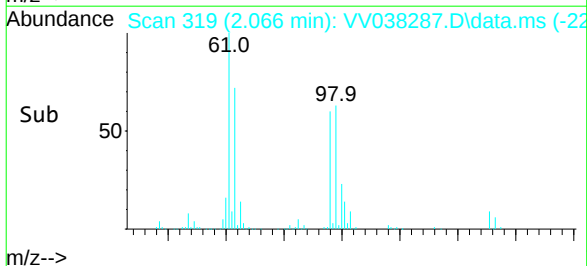
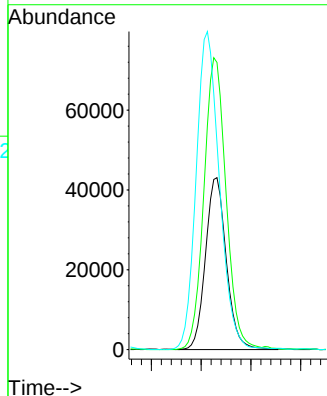
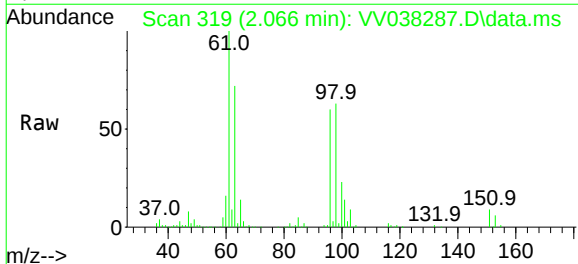
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG441

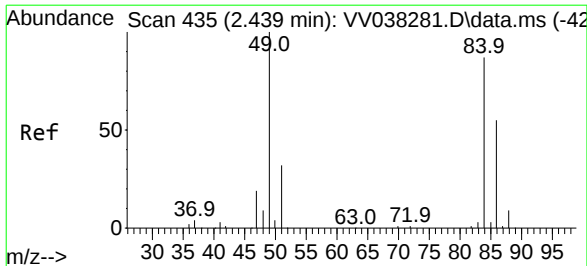
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 17569 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 40.2  | 33.4  | 50.0  |
| 151      | 63.1  | 58.8  | 88.2  |



#12  
1,1-Dichloroethene  
Concen: 3.690 ug/L  
RT: 2.066 min Scan# 319  
Delta R.T. 0.003 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 62722 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 167.0 | 115.7 | 214.9 |
| 63       | 120.2 | 101.1 | 187.7 |

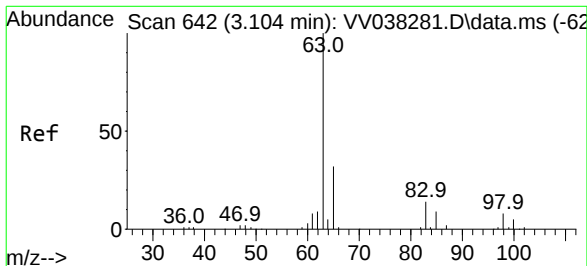
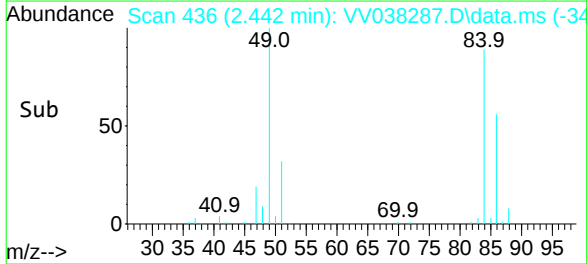
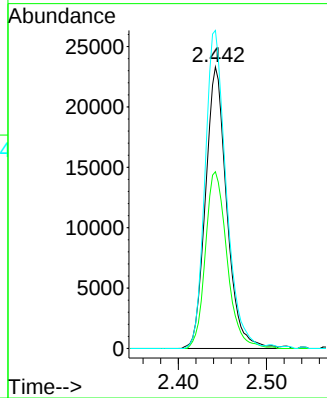
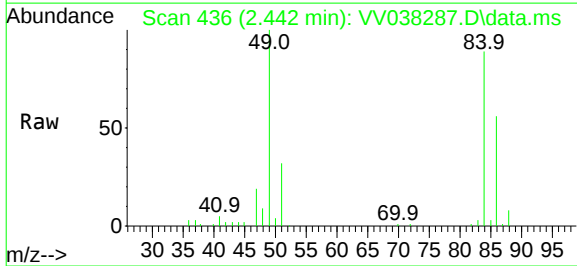




#16  
Methylene chloride  
Concen: 2.010 ug/L  
RT: 2.442 min Scan# 43  
Delta R.T. 0.003 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

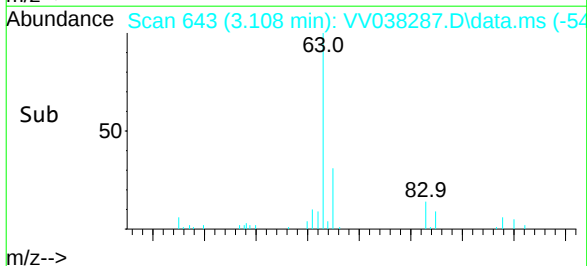
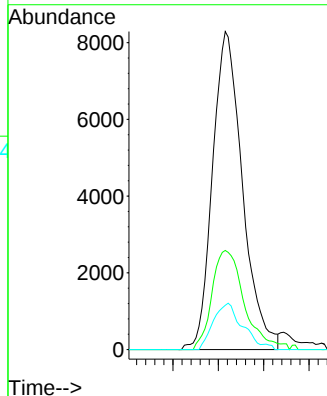
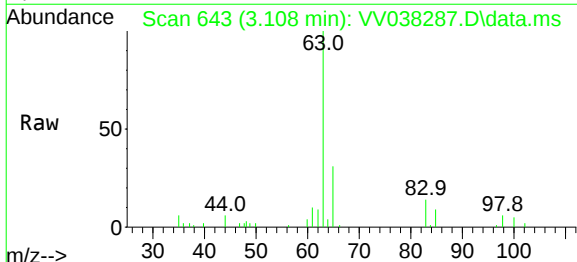
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG441

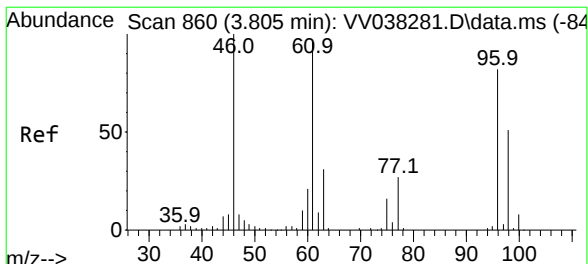
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 38965 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 62.8  | 44.2  | 82.2  |
| 49       | 113.0 | 74.9  | 139.1 |



#19  
1,1-Dichloroethane  
Concen: 0.584 ug/L  
RT: 3.108 min Scan# 643  
Delta R.T. 0.003 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 18985 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.2  | 22.5  | 41.7  |
| 83       | 13.9  | 10.1  | 18.9  |

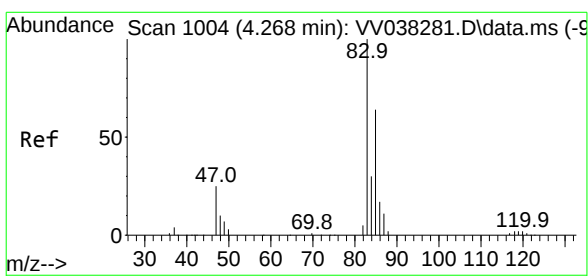
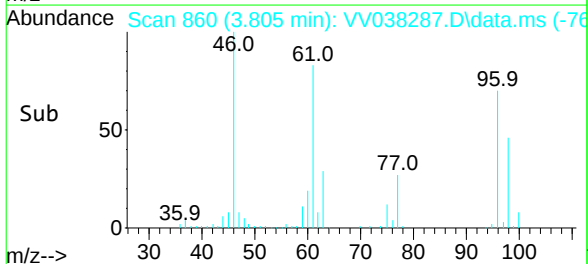
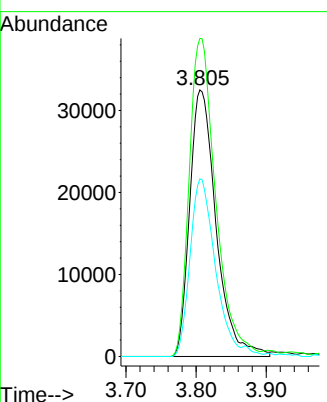
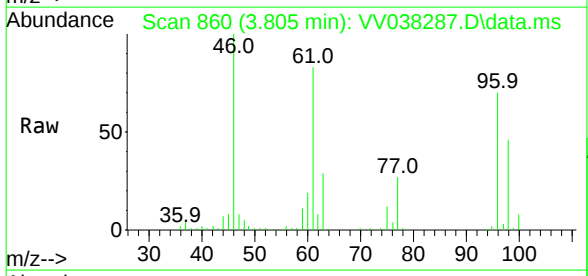




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.594 ug/L  
 RT: 3.805 min Scan# 86  
 Delta R.T. -0.000 min  
 Lab File: VV038287.D  
 Acq: 22 Nov 2024 23:07

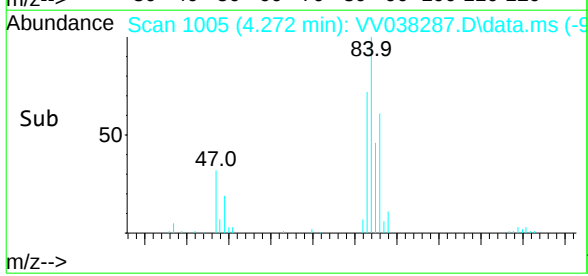
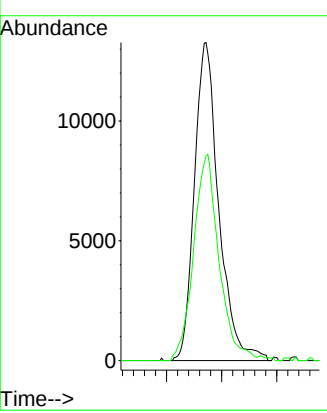
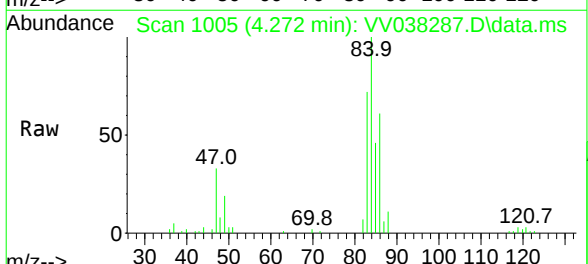
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG441

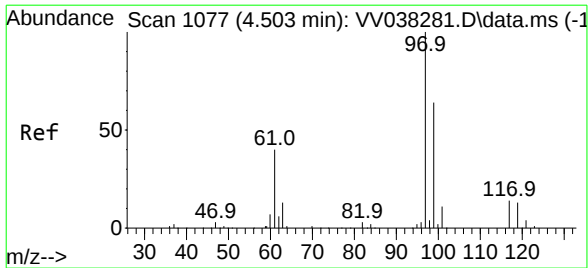
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 85056 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 119.3 | 82.7  | 153.5 |
| 98       | 66.6  | 46.3  | 85.9  |



#25  
 Chloroform  
 Concen: 1.172 ug/L  
 RT: 4.272 min Scan# 1005  
 Delta R.T. 0.003 min  
 Lab File: VV038287.D  
 Acq: 22 Nov 2024 23:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 40763 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.3  | 46.5  | 86.3  |

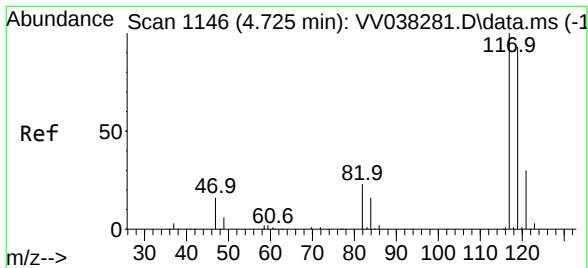
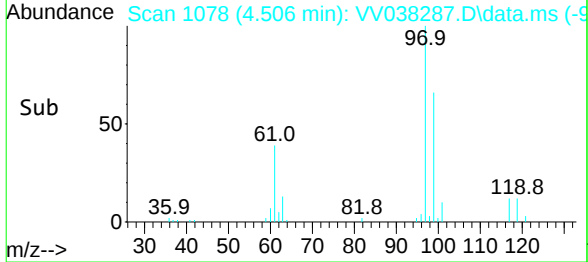
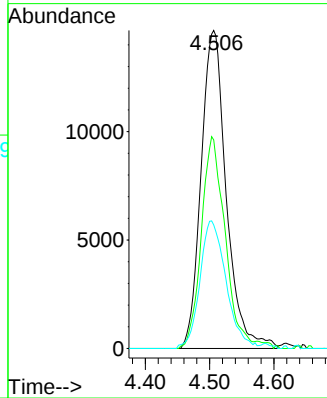
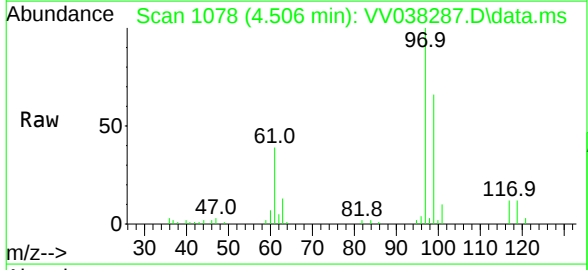




#29  
 1,1,1-Trichloroethane  
 Concen: 1.261 ug/L  
 RT: 4.506 min Scan# 1078  
 Delta R.T. 0.003 min  
 Lab File: VV038287.D  
 Acq: 22 Nov 2024 23:07

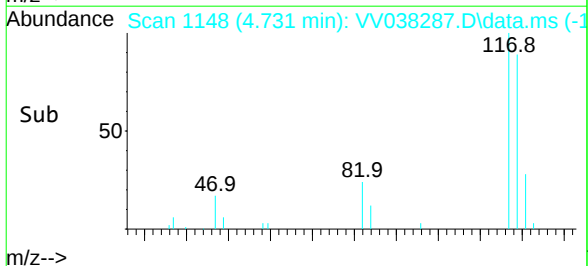
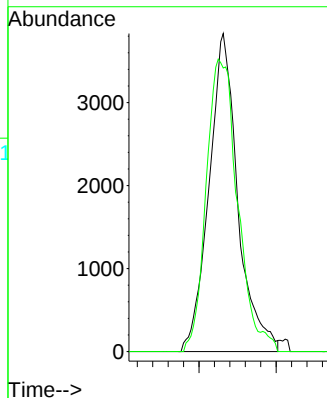
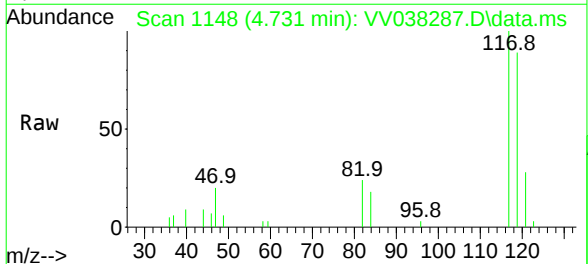
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG441

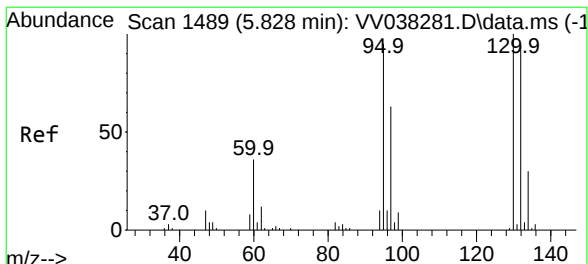
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 39930 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.5  | 51.8  | 77.8  |
| 61       | 41.7  | 32.2  | 48.2  |



#31  
 Carbon tetrachloride  
 Concen: 0.356 ug/L  
 RT: 4.731 min Scan# 1148  
 Delta R.T. 0.006 min  
 Lab File: VV038287.D  
 Acq: 22 Nov 2024 23:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 9946  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 99.9  | 77.4  | 116.2 |

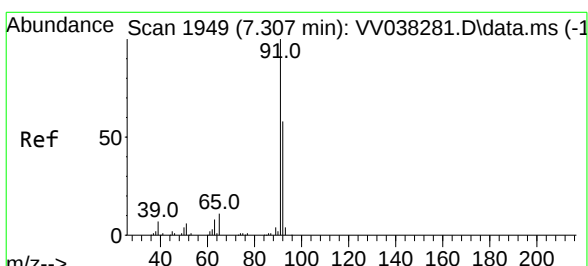
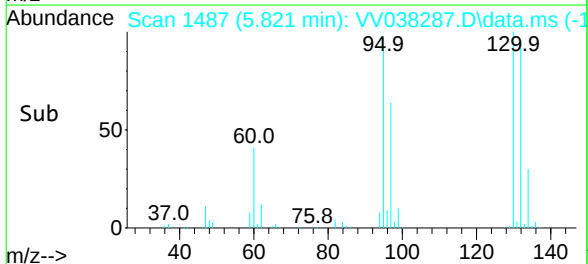
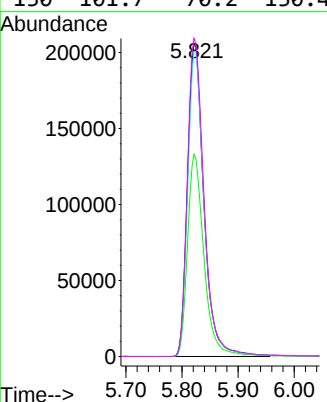
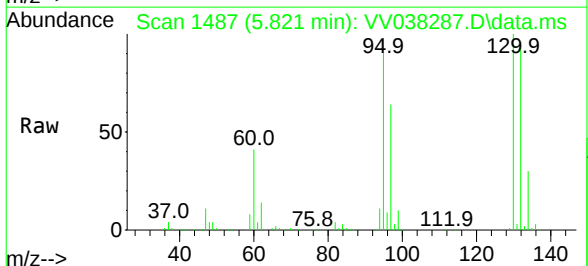




#34  
 Trichloroethene  
 Concen: 20.753 ug/L  
 RT: 5.821 min Scan# 1487  
 Delta R.T. -0.006 min  
 Lab File: VV038287.D  
 Acq: 22 Nov 2024 23:07

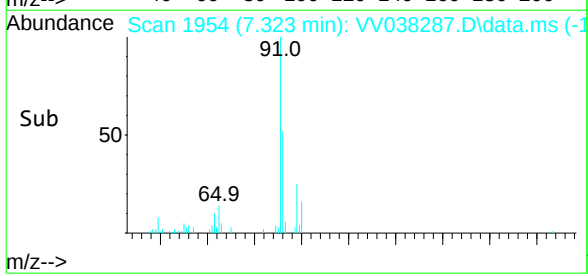
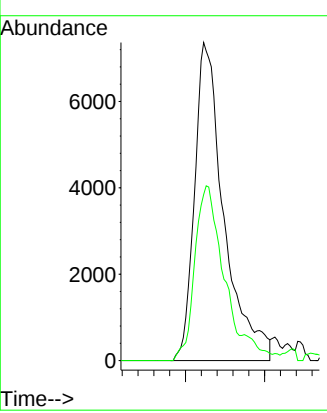
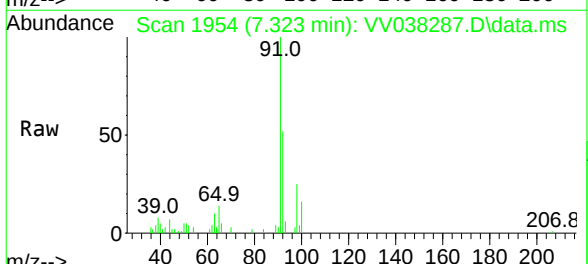
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG441

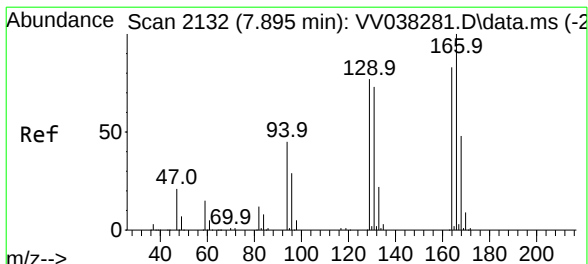
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 419499 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 64.7  | 44.8  | 83.2   |
| 132      | 97.6  | 68.3  | 126.8  |
| 130      | 101.7 | 70.2  | 130.4  |



#42  
 Toluene  
 Concen: 0.242 ug/L  
 RT: 7.323 min Scan# 1954  
 Delta R.T. 0.016 min  
 Lab File: VV038287.D  
 Acq: 22 Nov 2024 23:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 18967 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.2  | 40.8  | 75.8  |



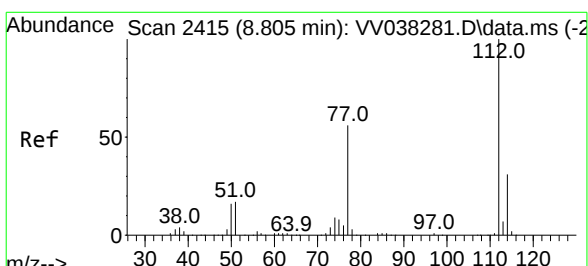
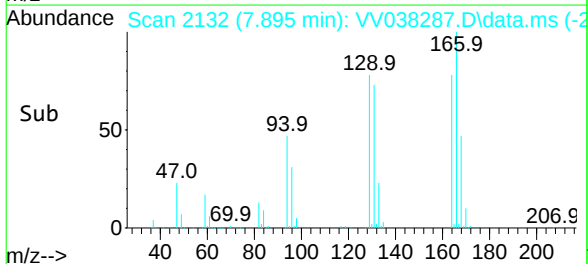
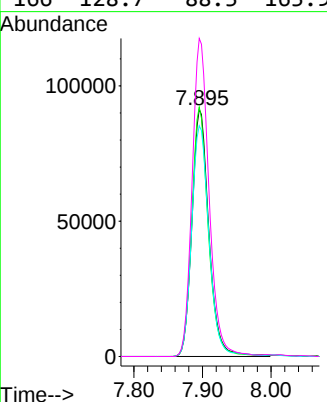
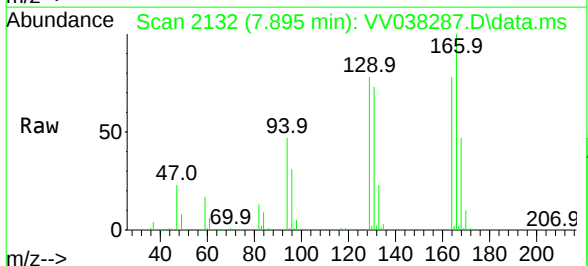


#47  
Tetrachloroethene  
Concen: 9.648 ug/L  
RT: 7.895 min Scan# 2132  
Delta R.T. -0.000 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG441

Tgt Ion:164 Resp: 156708

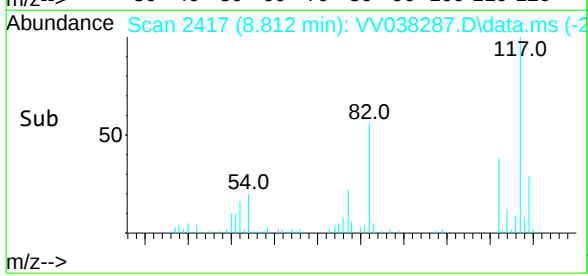
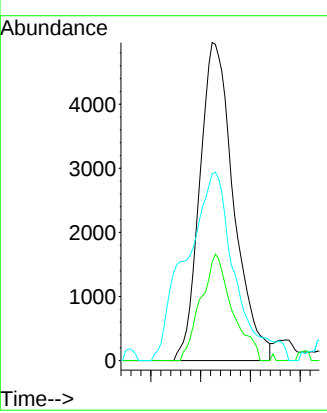
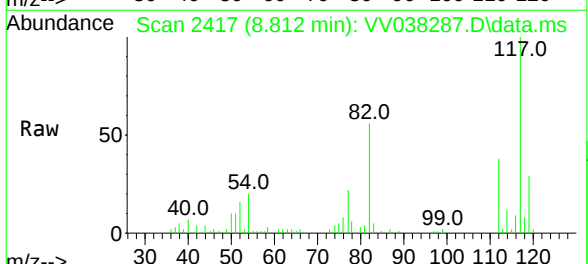
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.9 | 68.5  | 127.1 |
| 131 | 93.4  | 64.8  | 120.4 |
| 166 | 128.7 | 88.3  | 163.9 |

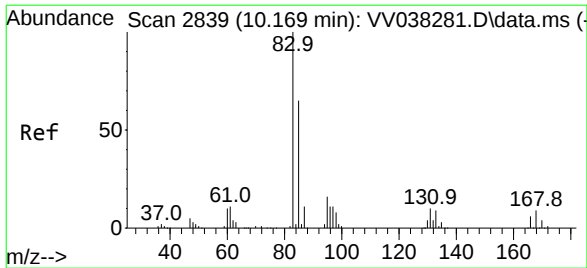


#51  
Chlorobenzene  
Concen: 0.218 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.006 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

Tgt Ion:112 Resp: 11782

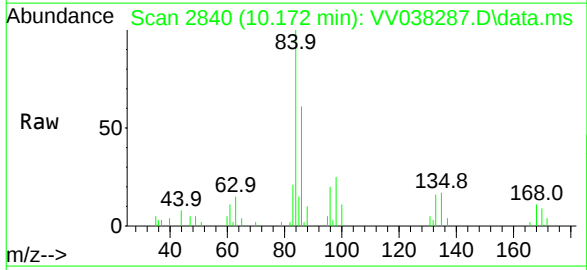
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 30.9  | 22.0  | 40.8  |
| 77  | 58.6  | 45.0  | 67.4  |





#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.165 ug/L  
RT: 10.172 min Scan# 28  
Delta R.T. 0.003 min  
Lab File: VV038287.D  
Acq: 22 Nov 2024 23:07

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG441



| Tgt Ion: | 83    | Resp: | 2902  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 71.5  | 45.7  | 84.9  |
| 131      | 24.4  | 8.2   | 12.4  |

