

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121324\  
 Data File : VW031231.D  
 Acq On : 13 Dec 2024 11:27  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 14 00:33:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 14 00:28:54 2024  
 Response via : Initial Calibration

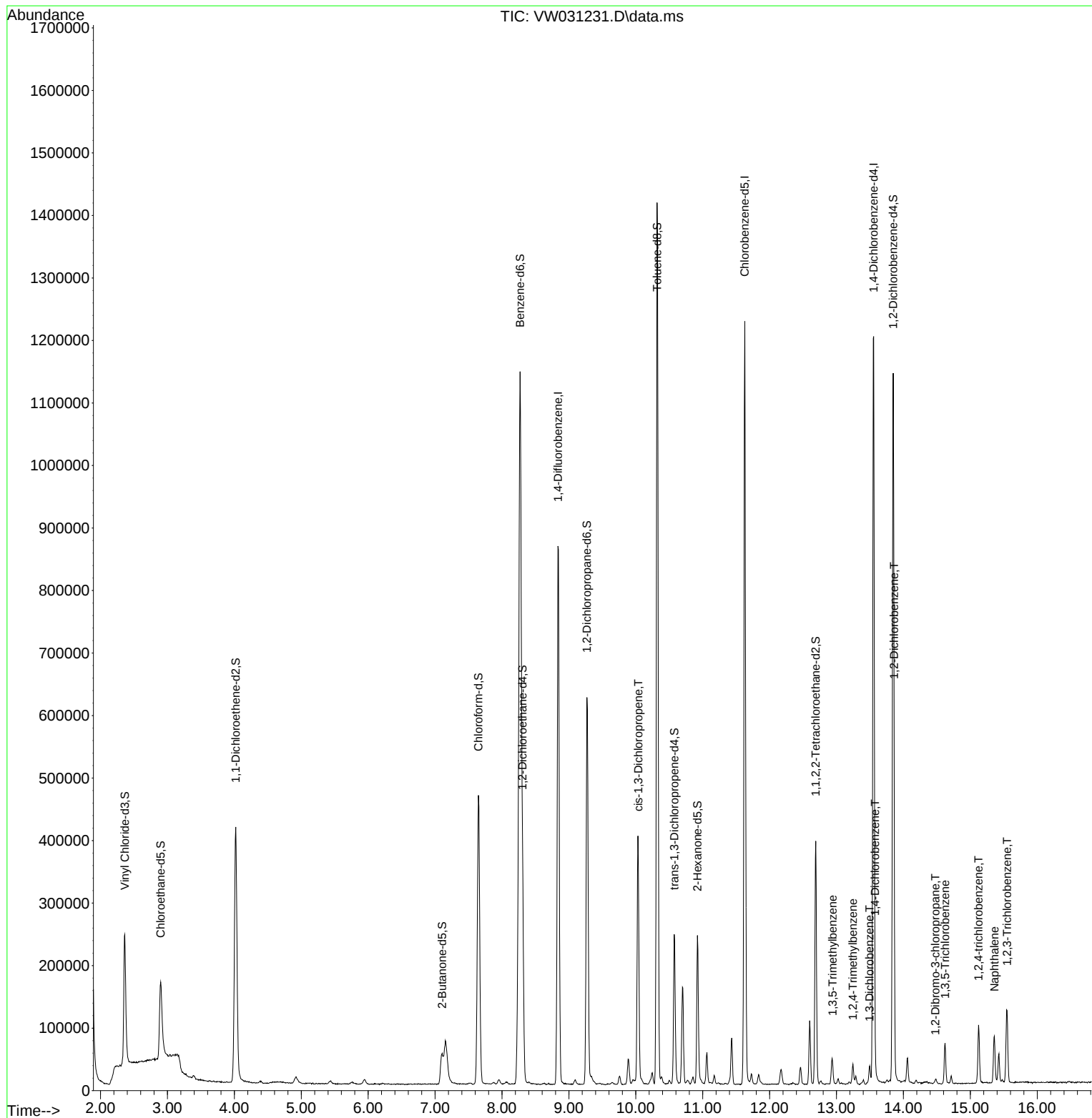
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 730893   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 639705   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 319514   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 277976   | 25.277   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 101.120% |
| 7) Chloroethane-d5            | 2.899  | 69    | 197213   | 24.243   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.960%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 130178   | 24.955   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 99.840%  |
| 21) 2-Butanone-d5             | 7.106  | 46    | 106658   | 51.500   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.000% |
| 24) Chloroform-d              | 7.648  | 84    | 476464   | 23.792   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 253809   | 25.236   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 100.960% |
| 32) Benzene-d6                | 8.270  | 84    | 991044   | 24.171   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.680%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 286066   | 23.939   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.760%  |
| 41) Toluene-d8                | 10.318 | 98    | 942668   | 24.714   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 98.840%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 135354   | 24.565   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.280%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 86295    | 53.699   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 107.400% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 193447   | 25.783   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 103.120% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 296020   | 24.956   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.840%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 39) cis-1,3-Dichloropropene   | 10.038 | 75    | 11240    | 0.674    | ug/L # | 69       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105   | 16632    | 0.375    | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105   | 16597    | 0.387    | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146   | 9682     | 0.457    | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146   | 10913    | 0.520    | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146   | 10513    | 0.576    | ug/L # | 89       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75    | 1563     | 1.127    | ug/L # | 84       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180   | 19153    | 1.291    | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.122 | 180   | 29665    | 2.404    | ug/L   | 92       |
| 71) Naphthalene               | 15.360 | 128   | 63783    | 2.948    | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180   | 39652    | 3.988    | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

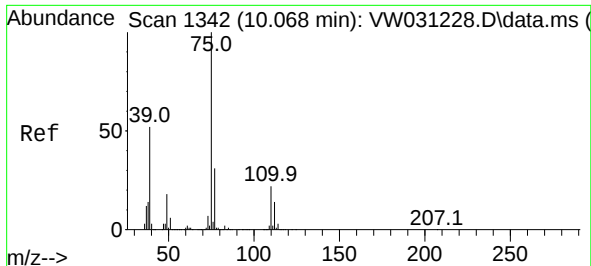
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
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Quant Time: Dec 14 00:33:57 2024  
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Quant Title : SFAM01.0  
QLast Update : Sat Dec 14 00:28:54 2024  
Response via : Initial Calibration

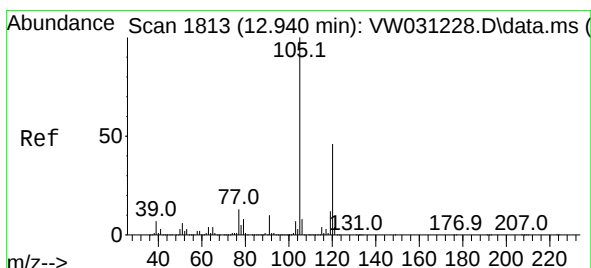
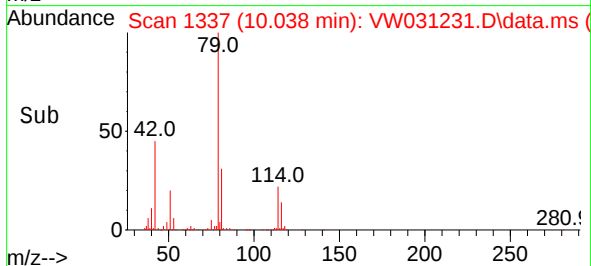
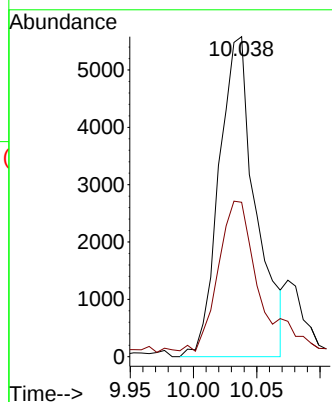
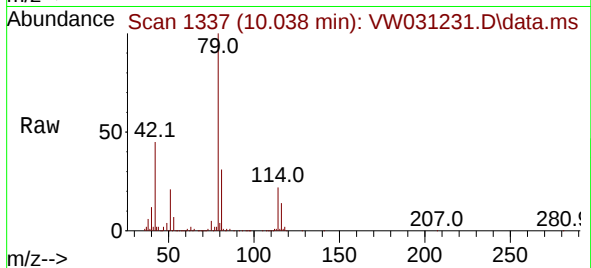




#39  
cis-1,3-Dichloropropene  
Concen: 0.674 ug/L  
RT: 10.038 min Scan# 11  
Delta R.T. -0.030 min  
Lab File: VW031231.D  
Acq: 13 Dec 2024 11:27

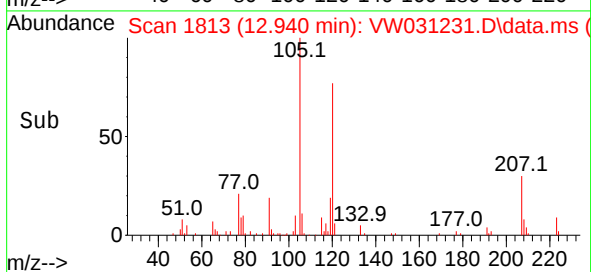
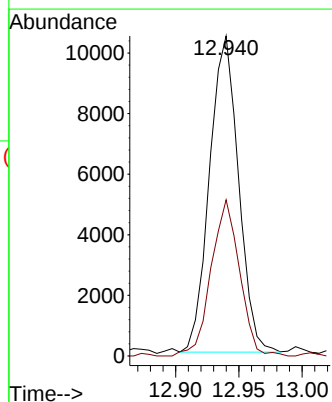
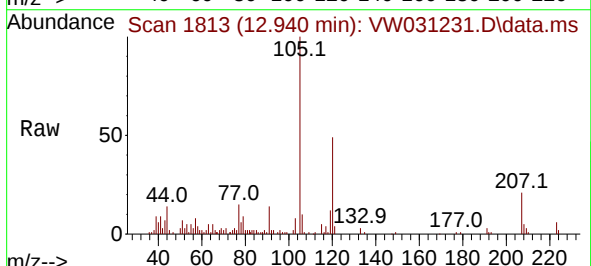
Instrument :  
MSVOA\_W  
ClientSampleId :

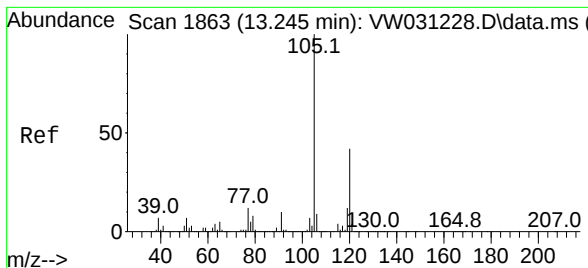
Tgt Ion: 75 Resp: 11240  
Ion Ratio Lower Upper  
75 100  
77 48.3 21.8 40.4#



#62  
1,3,5-Trimethylbenzene  
Concen: 0.375 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW031231.D  
Acq: 13 Dec 2024 11:27

Tgt Ion:105 Resp: 16632  
Ion Ratio Lower Upper  
105 100  
120 48.0 37.3 55.9

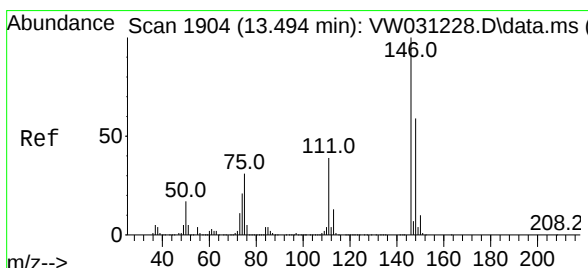
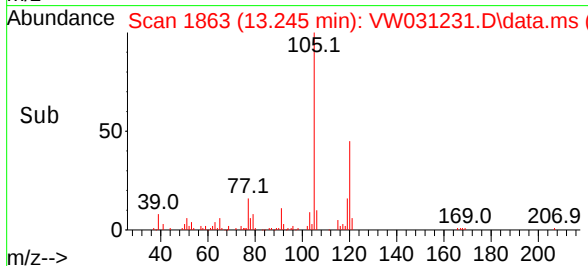
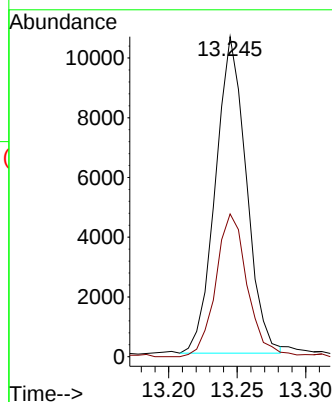
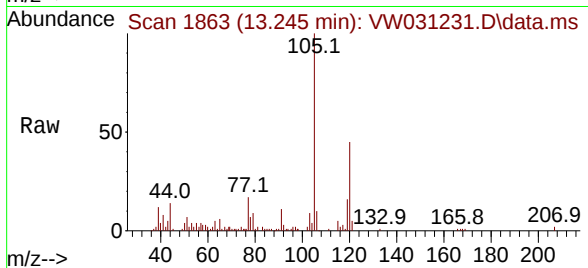




#63  
1,2,4-Trimethylbenzene  
Concen: 0.387 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW031231.D  
Acq: 13 Dec 2024 11:27

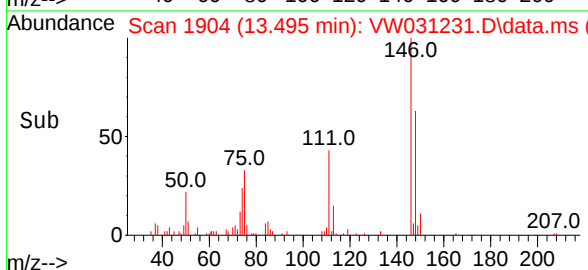
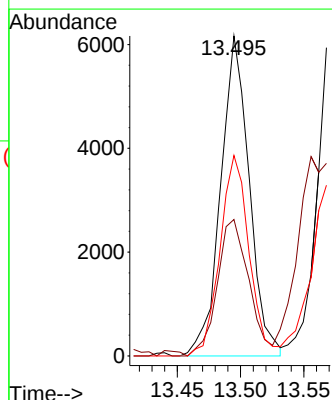
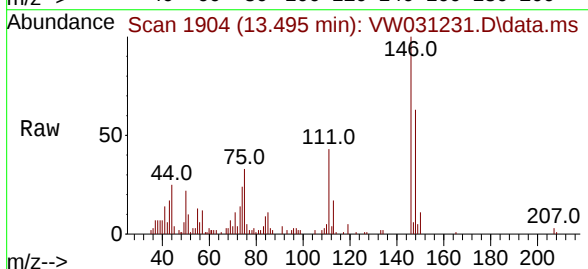
Instrument :  
MSVOA\_W  
ClientSampleId :

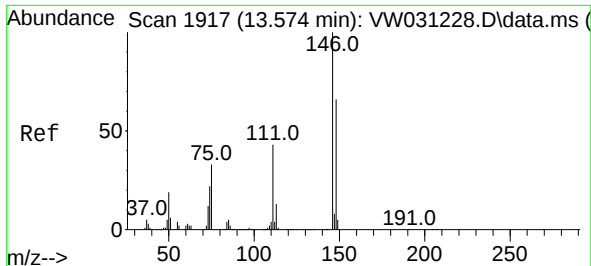
Tgt Ion:105 Resp: 16597  
Ion Ratio Lower Upper  
105 100  
120 46.0 35.0 52.4



#64  
1,3-Dichlorobenzene  
Concen: 0.457 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW031231.D  
Acq: 13 Dec 2024 11:27

Tgt Ion:146 Resp: 9682  
Ion Ratio Lower Upper  
146 100  
111 42.6 27.6 51.2  
148 62.7 41.0 76.2





#65

1,4-Dichlorobenzene

Concen: 0.520 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031231.D

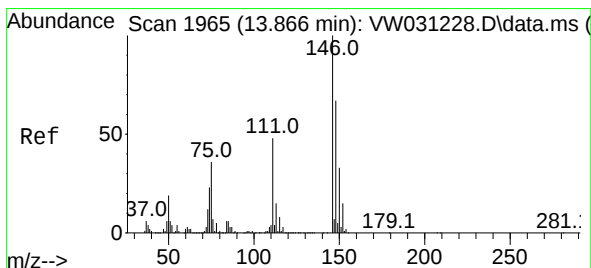
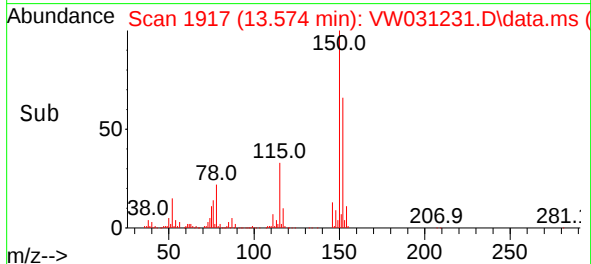
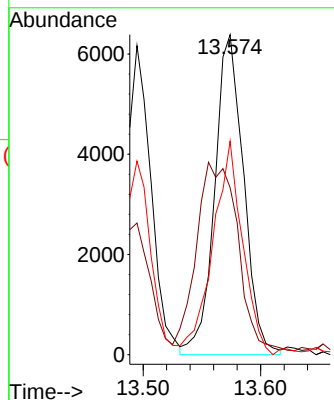
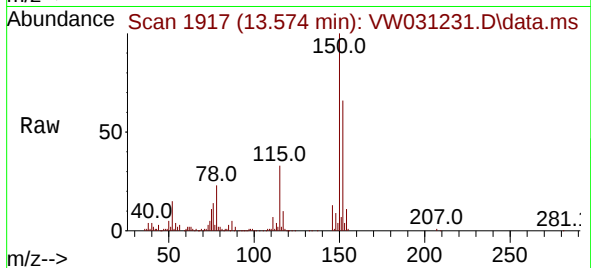
Acq: 13 Dec 2024 11:27

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 10913 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 52.2  | 30.7  | 56.9  |
| 148       | 66.8  | 46.5  | 86.3  |



#67

1,2-Dichlorobenzene

Concen: 0.576 ug/L

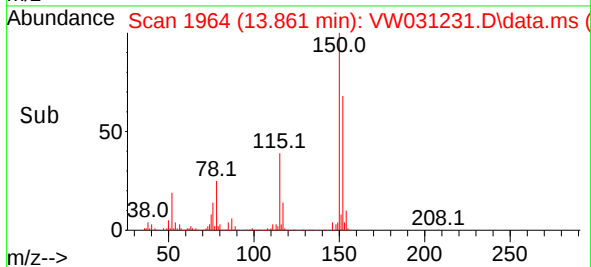
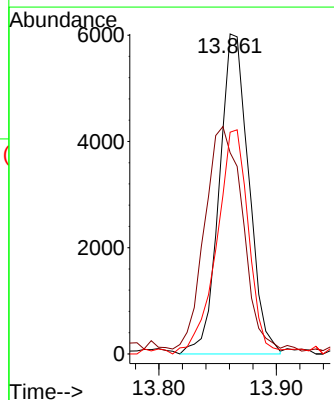
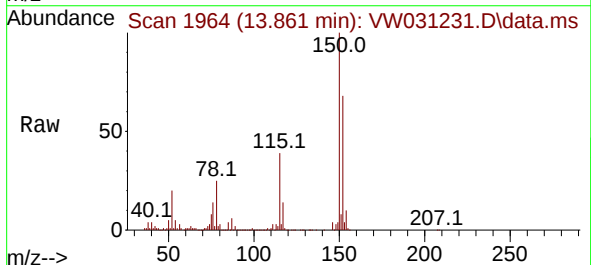
RT: 13.861 min Scan# 1964

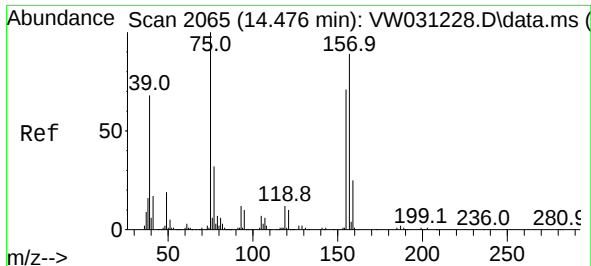
Delta R.T. -0.006 min

Lab File: VW031231.D

Acq: 13 Dec 2024 11:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 10513 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 62.9  | 38.6  | 58.0# |
| 148       | 69.3  | 53.6  | 80.4  |





#68

1,2-Dibromo-3-chloropropane

Concen: 1.127 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW031231.D

Acq: 13 Dec 2024 11:27

Instrument :

MSVOA\_W

ClientSampleId :

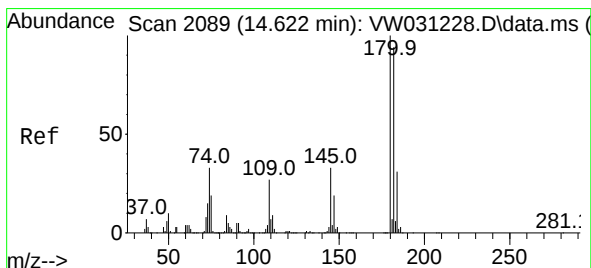
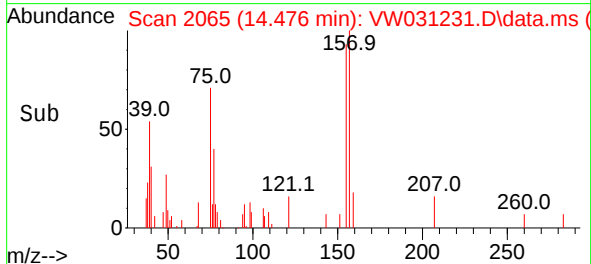
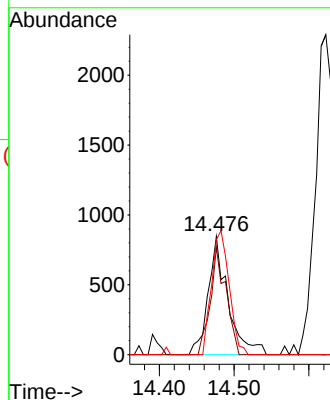
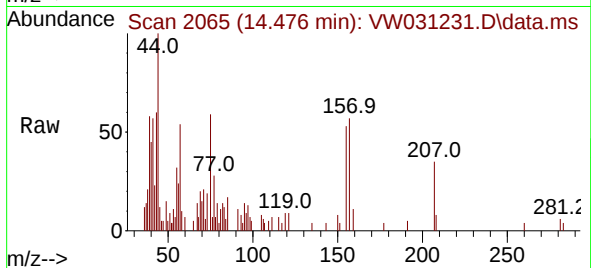
Tgt Ion: 75 Resp: 1563

Ion Ratio Lower Upper

75 100

155 90.9 56.6 85.0#

157 97.3 71.2 106.8



#69

1,3,5-Trichlorobenzene

Concen: 1.291 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW031231.D

Acq: 13 Dec 2024 11:27

Tgt Ion:180 Resp: 19153

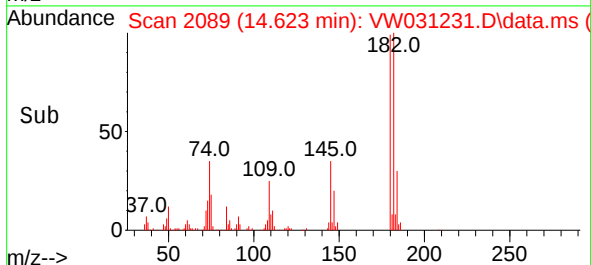
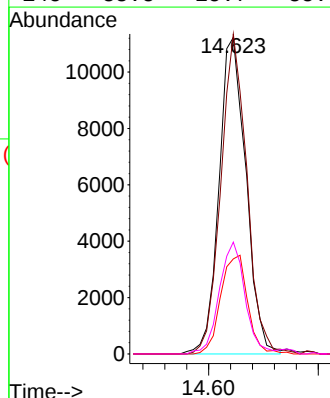
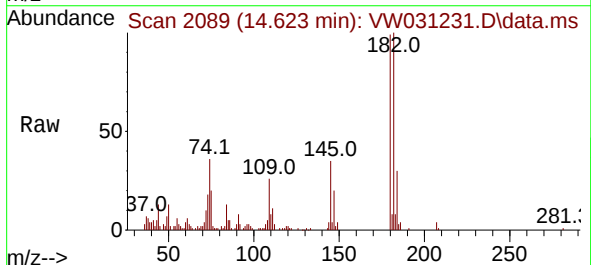
Ion Ratio Lower Upper

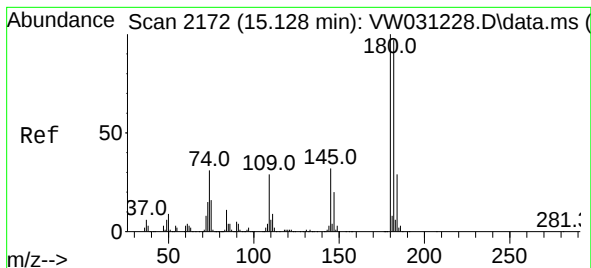
180 100

182 96.7 75.0 112.4

184 31.2 24.6 36.8

145 33.8 25.7 38.5





#70

1,2,4-trichlorobenzene

Concen: 2.404 ug/L

RT: 15.122 min Scan# 2172

Delta R.T. -0.006 min

Lab File: VW031231.D

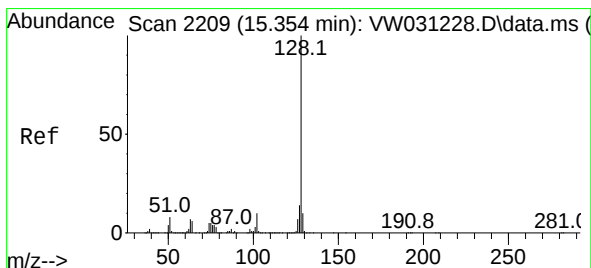
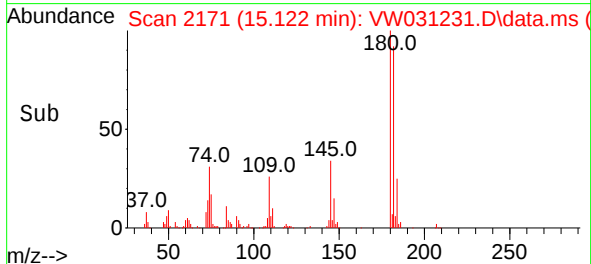
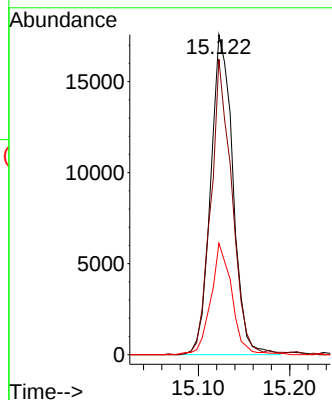
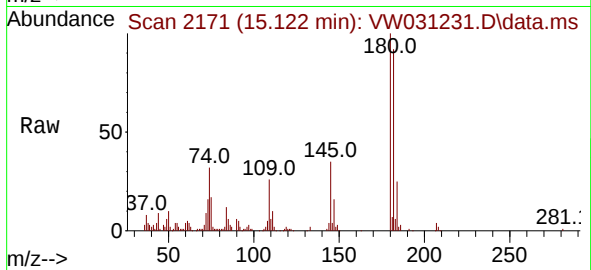
Acq: 13 Dec 2024 11:27

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 29665      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 87.0  | 78.2 117.2 |
| 145         | 32.9  | 26.7 40.1  |



#71

Naphthalene

Concen: 2.948 ug/L

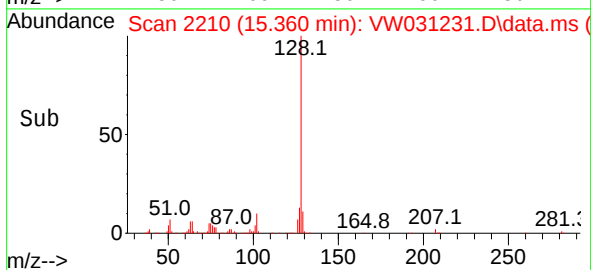
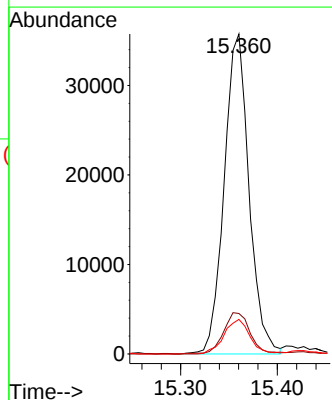
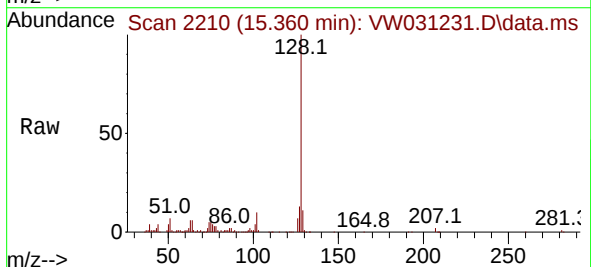
RT: 15.360 min Scan# 2210

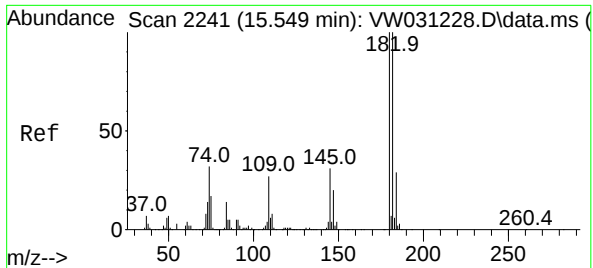
Delta R.T. 0.006 min

Lab File: VW031231.D

Acq: 13 Dec 2024 11:27

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 63783     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 13.8  | 10.7 16.1 |
| 129         | 11.2  | 8.6 13.0  |





#72  
1,2,3-Trichlorobenzene  
Concen: 3.988 ug/L  
RT: 15.549 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW031231.D  
Acq: 13 Dec 2024 11:27

Instrument :  
MSVOA\_W  
ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 39652 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.5  | 75.0  | 112.4 |
| 145       | 33.8  | 27.8  | 41.6  |

