

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112124\  
 Data File : VU061921.D  
 Acq On : 21 Nov 2024 16:37  
 Operator : MD/SY  
 Sample : P4903-01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 21 23:10:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 21 23:06:37 2024  
 Response via : Initial Calibration

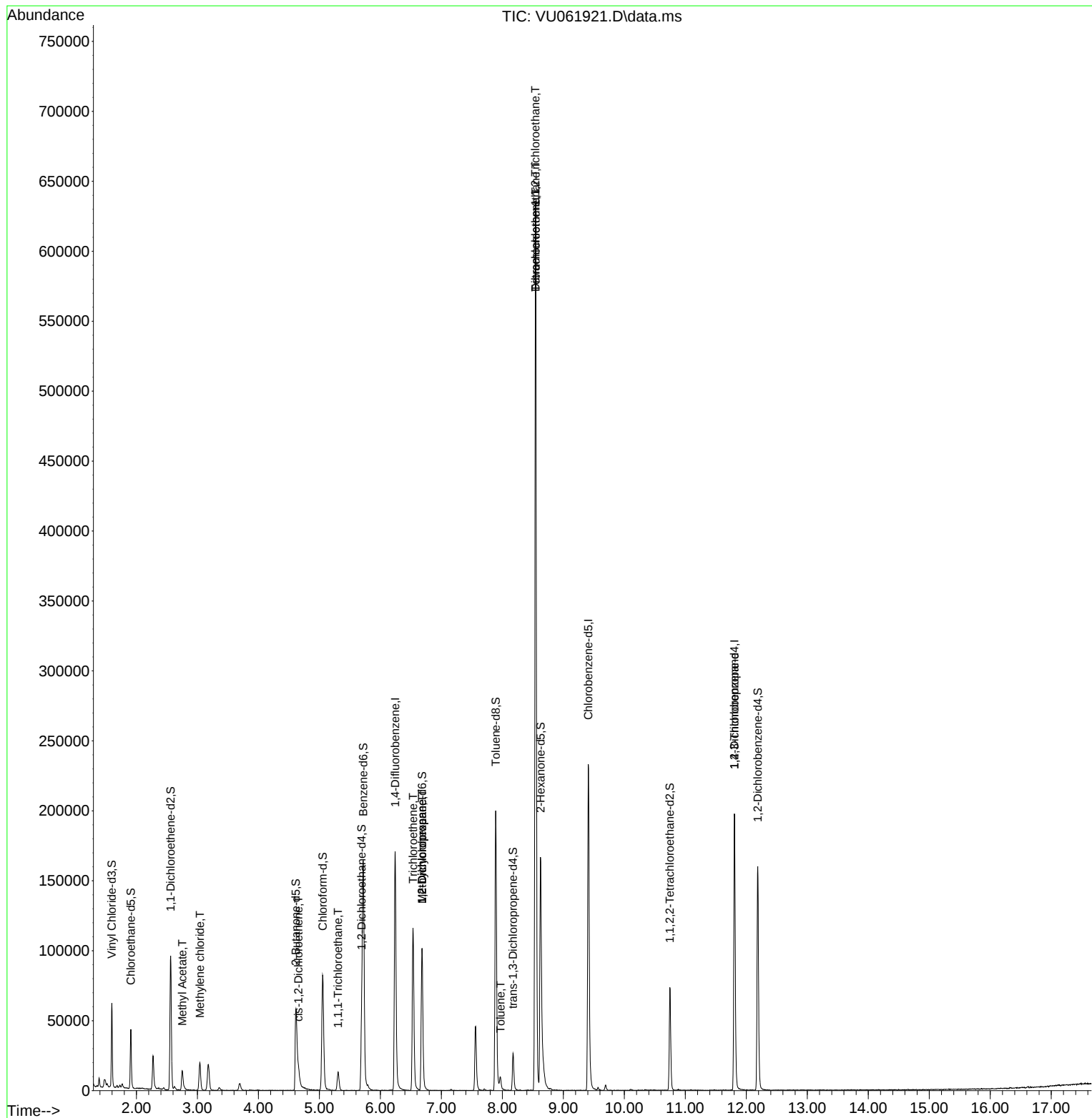
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 144753   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 135149   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 56588    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 41095    | 5.788    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 115.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 31386    | 4.997    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 18851    | 6.645    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 133.000%# |
| 20) 2-Butanone-d5             | 4.612  | 46    | 85960    | 38.553   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 77.100%   |
| 24) Chloroform-d              | 5.052  | 84    | 81478    | 4.704    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%   |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 41485    | 4.654    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.000%   |
| 32) Benzene-d6                | 5.718  | 84    | 160360   | 6.090    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 121.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 52332    | 5.849    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 117.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 141478   | 6.442    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 128.800%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 17333    | 5.233    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 104.600%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 59369    | 39.269   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 78.540%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 39314    | 4.397    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 88.000%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 45740    | 5.466    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 109.400%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 15) Methyl Acetate            | 2.750  | 43    | 4279     | 1.082    | ug/L # | 51        |
| 16) Methylene chloride        | 3.039  | 84    | 10066    | 0.864    | ug/L   | 97        |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 3622     | 0.314    | ug/L   | 86        |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97    | 10001    | 0.642    | ug/L   | 97        |
| 34) Trichloroethene           | 6.534  | 95    | 43310    | 3.976    | ug/L   | 99        |
| 35) Methylcyclohexane         | 6.682  | 83    | 12097    | 0.726    | ug/L # | 20        |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 5112     | 0.482    | ug/L # | 87        |
| 42) Toluene                   | 7.968  | 91    | 7349     | 0.172    | ug/L   | 99        |
| 45) 1,1,2-Trichloroethane     | 8.541  | 97    | 1258     | 0.161    | ug/L # | 23        |
| 47) Tetrachloroethene         | 8.544  | 164   | 139820   | 17.648   | ug/L   | 95        |
| 49) Dibromochloromethane      | 8.544  | 129   | 138170   | 16.743   | ug/L # | 13        |
| 61) 1,2,3-Trichloropropane    | 11.804 | 75    | 6843     | 1.046    | ug/L # | 68        |
| -----                         |        |       |          |          |        |           |

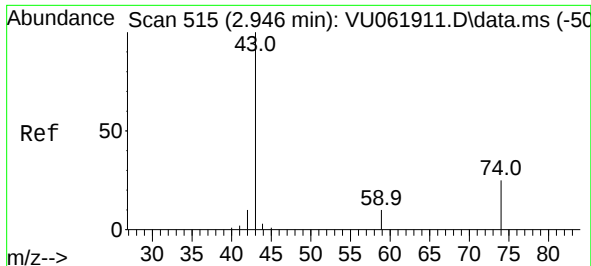
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112124\  
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Quant Time: Nov 21 23:10:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 21 23:06:37 2024  
Response via : Initial Calibration





#15

Methyl Acetate

Concen: 1.082 ug/L

RT: 2.750 min Scan# 41

Delta R.T. -0.196 min

Lab File: VU061921.D

Acq: 21 Nov 2024 16:37

Instrument :

MSVOA\_U

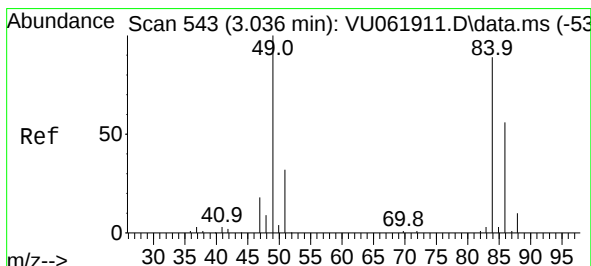
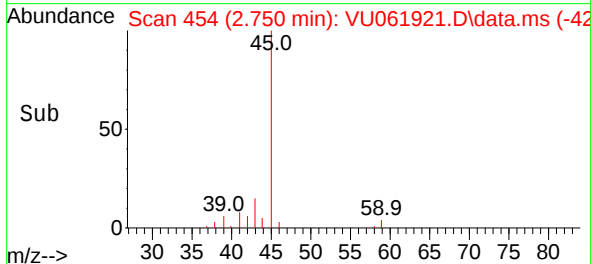
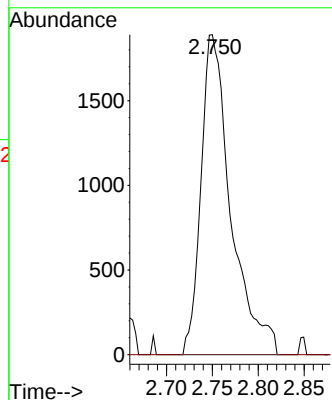
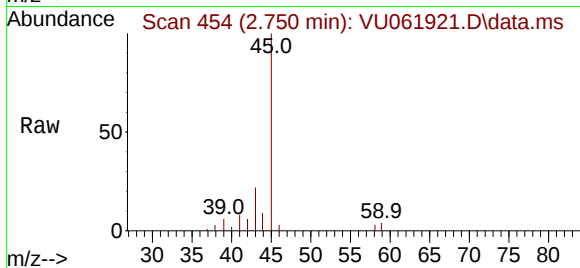
ClientSampleId :

Tgt Ion: 43 Resp: 4279

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#16

Methylene chloride

Concen: 0.864 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU061921.D

Acq: 21 Nov 2024 16:37

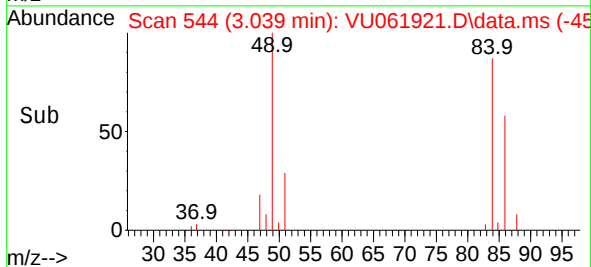
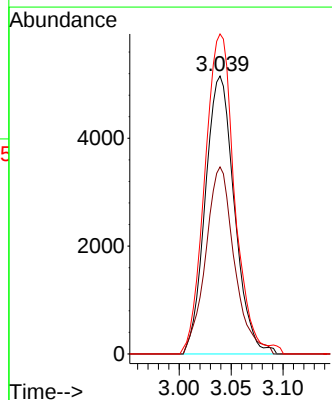
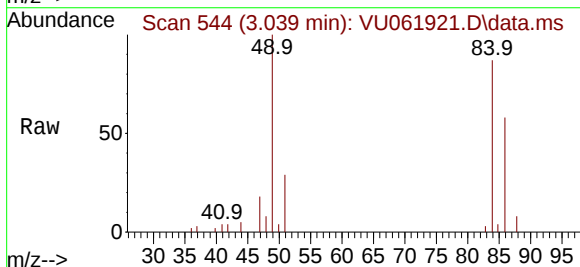
Tgt Ion: 84 Resp: 10066

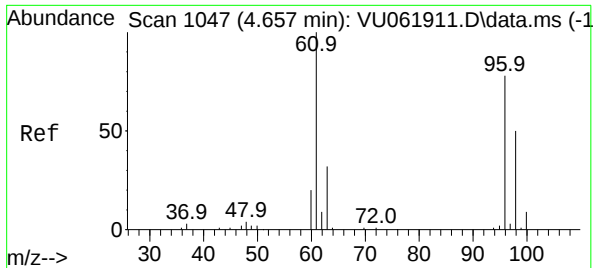
Ion Ratio Lower Upper

84 100

86 67.3 43.5 80.7

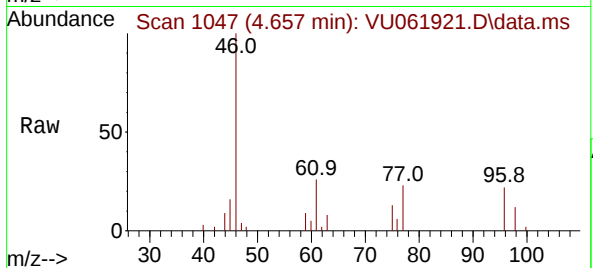
49 115.1 81.9 152.1





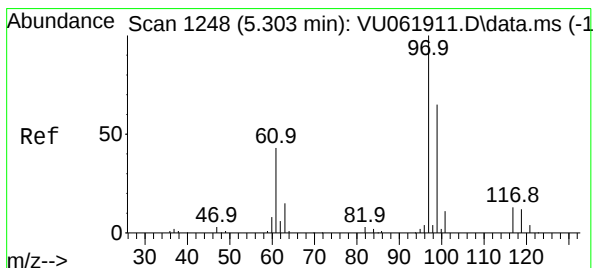
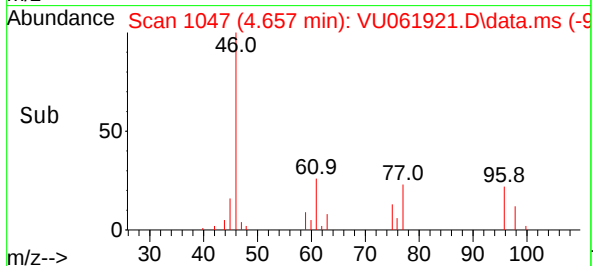
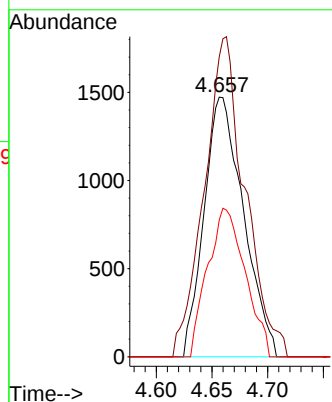
#22  
 cis-1,2-Dichloroethene  
 Concen: 0.314 ug/L  
 RT: 4.657 min Scan# 1047  
 Delta R.T. 0.000 min  
 Lab File: VU061921.D  
 Acq: 21 Nov 2024 16:37

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 96 Resp: 3622

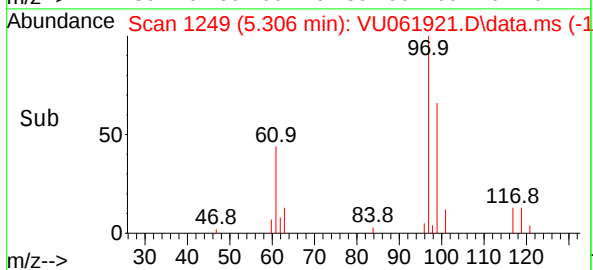
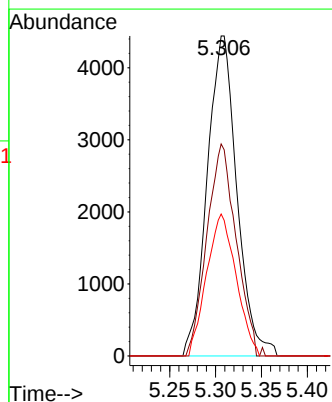
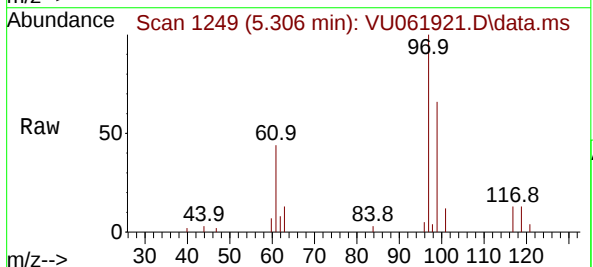
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.5 | 92.0  | 170.8 |
| 98  | 52.7  | 44.5  | 82.7  |

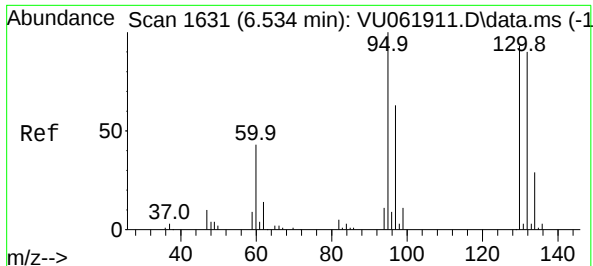


#29  
 1,1,1-Trichloroethane  
 Concen: 0.642 ug/L  
 RT: 5.306 min Scan# 1249  
 Delta R.T. 0.003 min  
 Lab File: VU061921.D  
 Acq: 21 Nov 2024 16:37

Tgt Ion: 97 Resp: 10001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.1  | 51.4  | 77.2  |
| 61  | 44.1  | 37.8  | 56.6  |





#34

Trichloroethene

Concen: 3.976 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU061921.D

Acq: 21 Nov 2024 16:37

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 43310

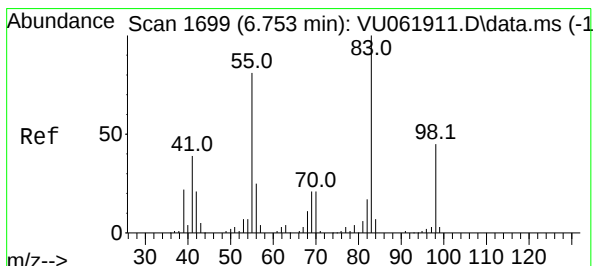
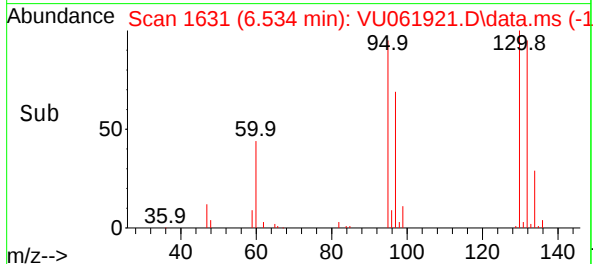
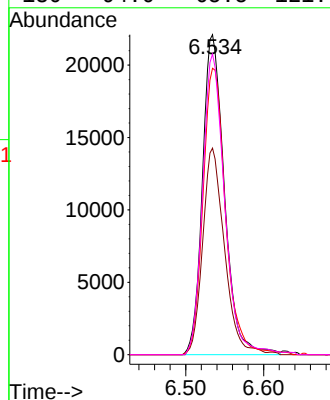
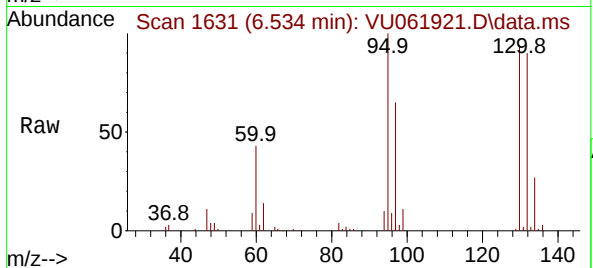
Ion Ratio Lower Upper

95 100

97 64.5 45.9 85.3

132 89.5 63.8 118.4

130 94.0 65.5 121.7



#35

Methylcyclohexane

Concen: 0.726 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.071 min

Lab File: VU061921.D

Acq: 21 Nov 2024 16:37

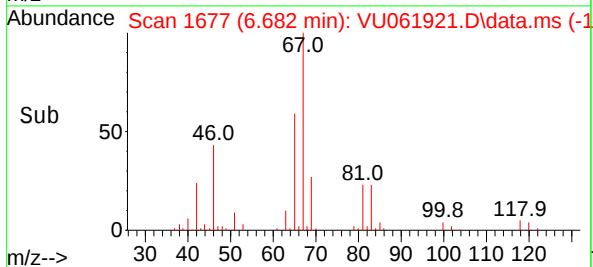
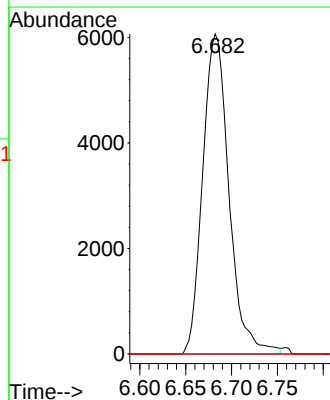
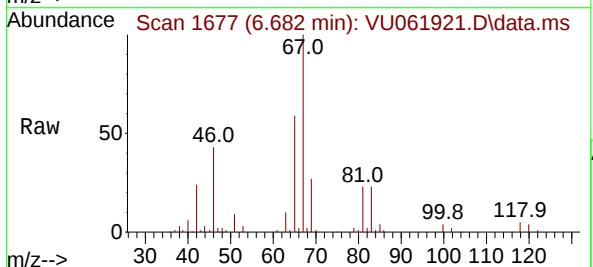
Tgt Ion: 83 Resp: 12097

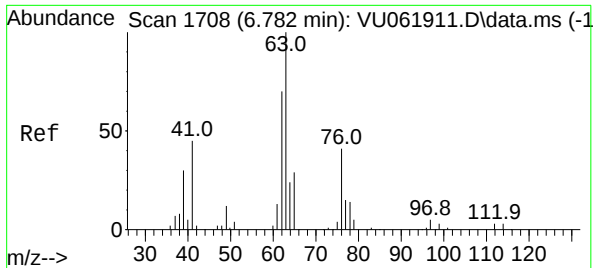
Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 1.2 34.8 52.2#

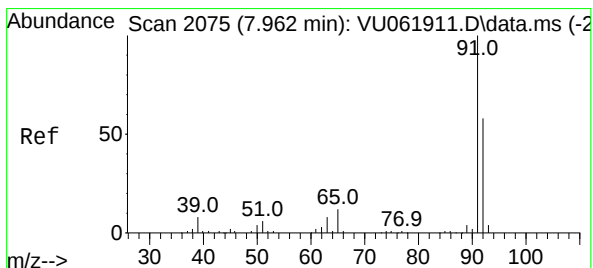
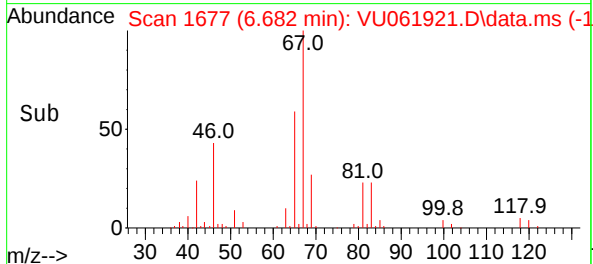
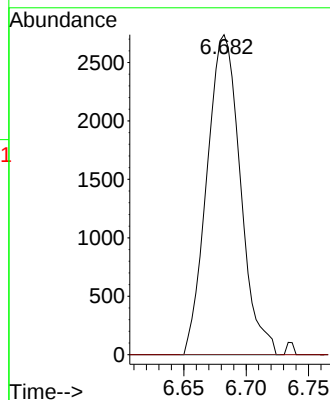
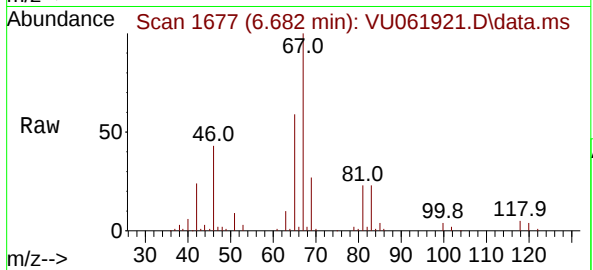




#37  
1,2-Dichloropropane  
Concen: 0.482 ug/L  
RT: 6.682 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU061921.D  
Acq: 21 Nov 2024 16:37

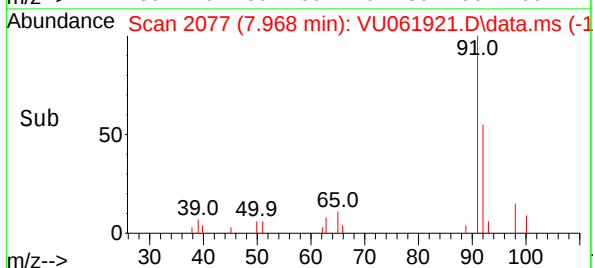
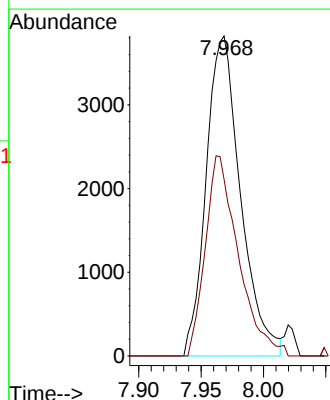
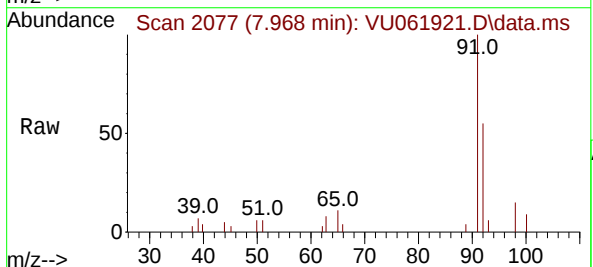
Instrument :  
MSVOA\_U  
ClientSampleId :

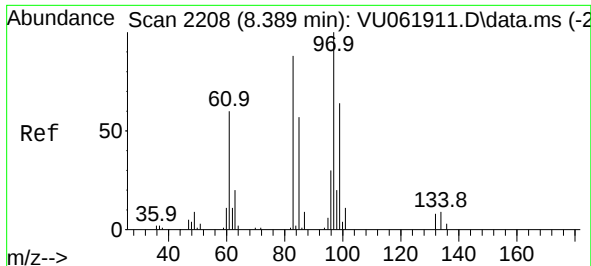
Tgt Ion: 63 Resp: 5112  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



#42  
Toluene  
Concen: 0.172 ug/L  
RT: 7.968 min Scan# 2077  
Delta R.T. 0.006 min  
Lab File: VU061921.D  
Acq: 21 Nov 2024 16:37

Tgt Ion: 91 Resp: 7349  
Ion Ratio Lower Upper  
91 100  
92 55.2 39.0 72.4



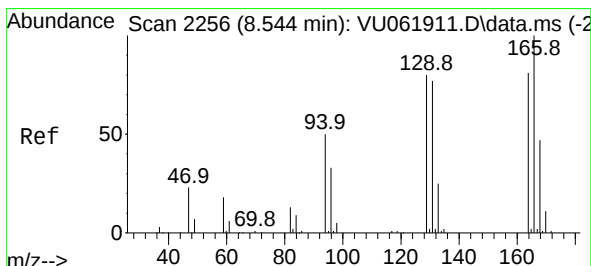
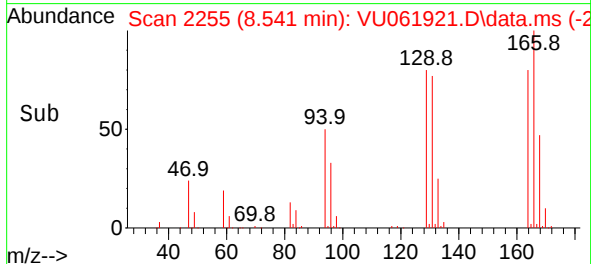
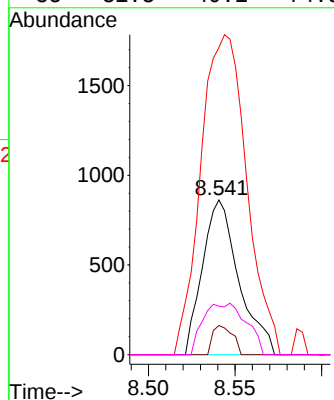
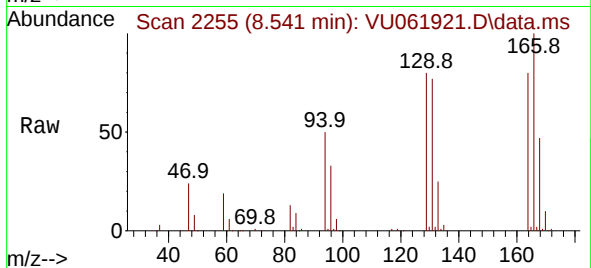


#45  
1,1,2-Trichloroethane  
Concen: 0.161 ug/L  
RT: 8.541 min Scan# 2208  
Delta R.T. 0.151 min  
Lab File: VU061921.D  
Acq: 21 Nov 2024 16:37

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 1258

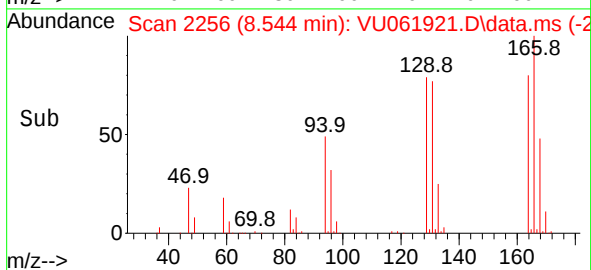
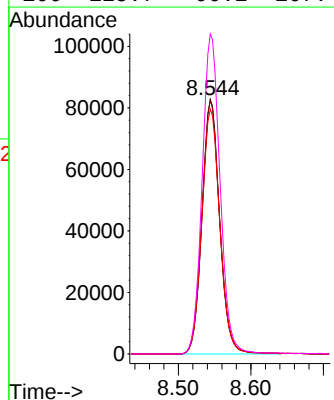
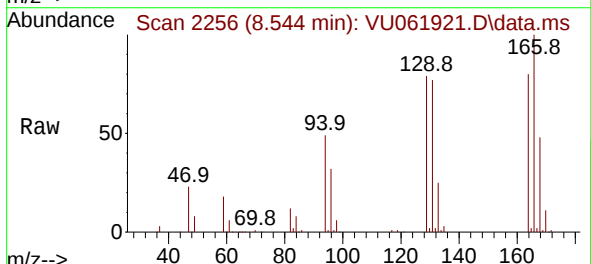
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 97  | 100   |       |        |
| 99  | 18.8  | 43.0  | 79.8#  |
| 83  | 198.7 | 61.7  | 114.5# |
| 85  | 31.3  | 40.1  | 74.5#  |

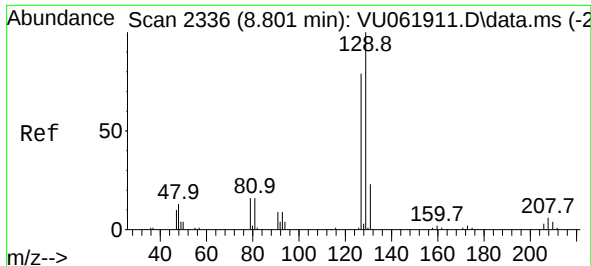


#47  
Tetrachloroethene  
Concen: 17.648 ug/L  
RT: 8.544 min Scan# 2256  
Delta R.T. 0.000 min  
Lab File: VU061921.D  
Acq: 21 Nov 2024 16:37

Tgt Ion: 164 Resp: 139820

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.6  | 73.2  | 136.0 |
| 131 | 96.2  | 72.3  | 134.3 |
| 166 | 125.7 | 90.2  | 167.4 |





#49

Dibromochloromethane

Concen: 16.743 ug/L

RT: 8.544 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU061921.D

Acq: 21 Nov 2024 16:37

Instrument :

MSVOA\_U

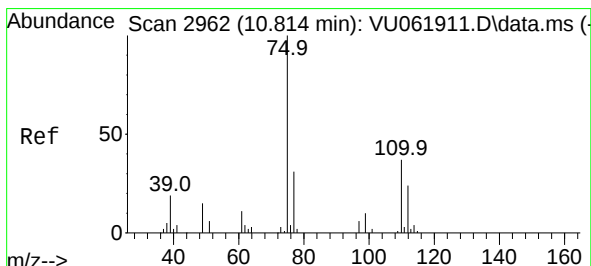
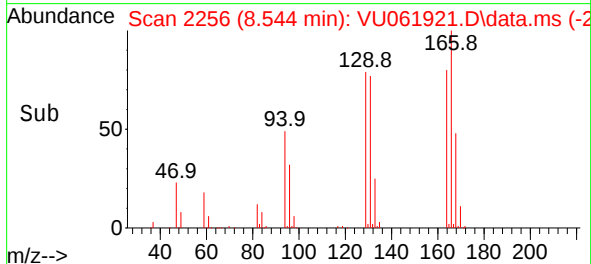
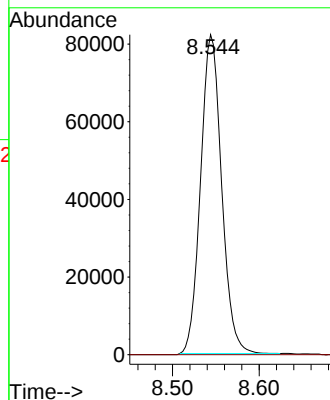
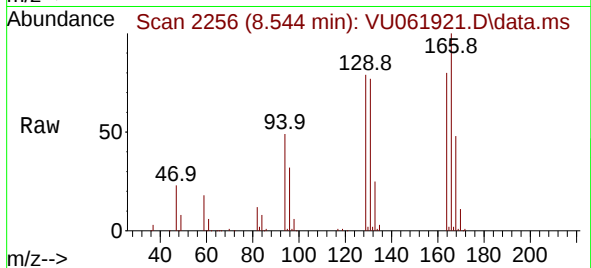
ClientSampleId :

Tgt Ion:129 Resp: 138170

Ion Ratio Lower Upper

129 100

127 0.0 51.1 94.9#



#61

1,2,3-Trichloropropane

Concen: 1.046 ug/L

RT: 11.804 min Scan# 3270

Delta R.T. 0.990 min

Lab File: VU061921.D

Acq: 21 Nov 2024 16:37

Tgt Ion: 75 Resp: 6843

Ion Ratio Lower Upper

75 100

110 0.9 28.9 43.3#

77 32.5 26.5 39.7

