

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111021\  
 Data File : VV023398.D  
 Acq On : 11 Nov 2021 19:23  
 Operator : SY/MD  
 Sample : M4558-17  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 12 02:08:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 12 02:02:21 2021  
 Response via : Initial Calibration

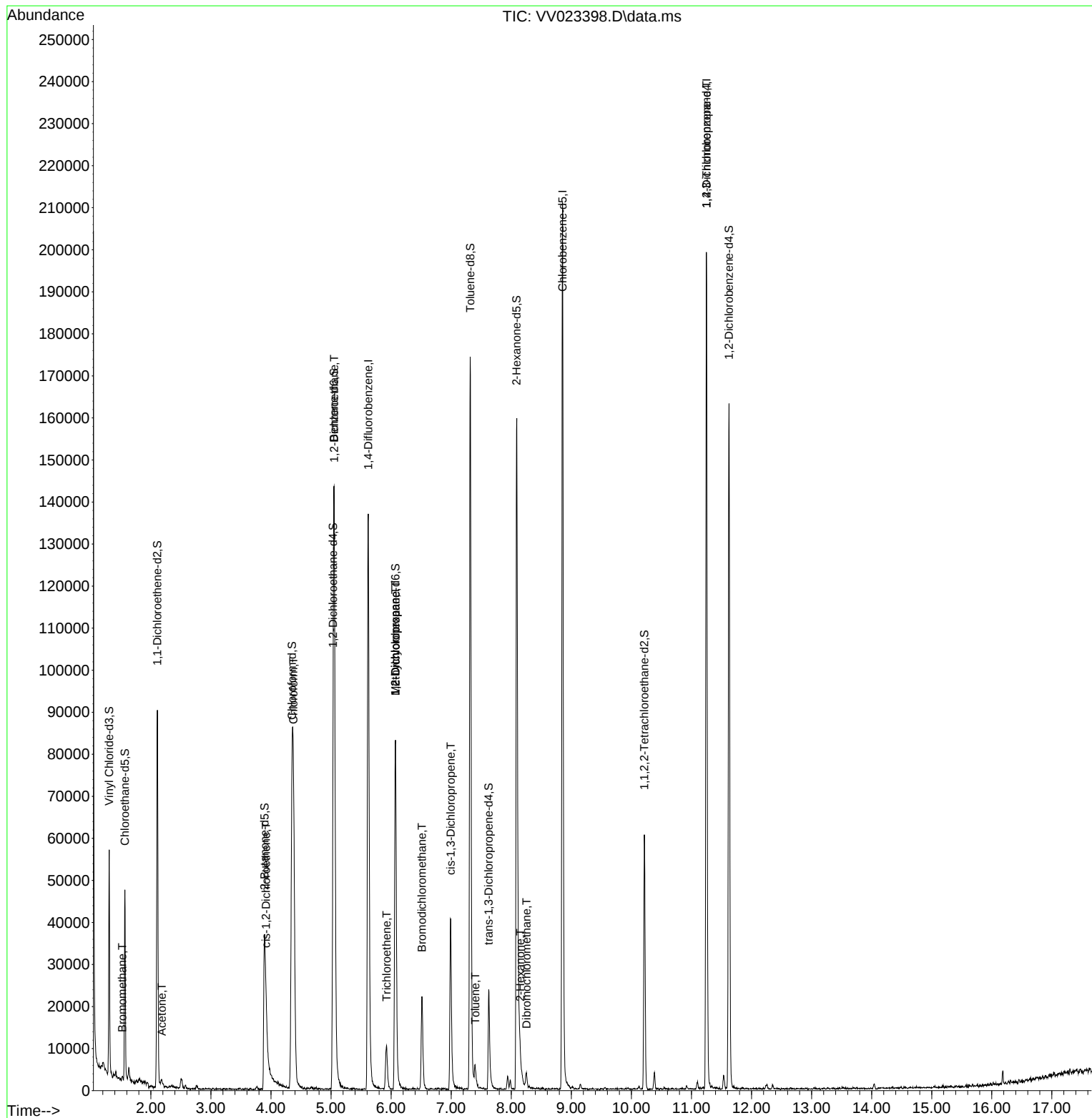
| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114            | 122253   | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 116903   | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 53352    | 5.000  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 32522    | 4.246  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 85.000% |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 26093    | 4.180  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 83.600% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 46198    | 3.222  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 64.400% |          |
| 20) 2-Butanone-d5             | 3.892  | 46             | 64656    | 49.002 | ug/L    | -0.01    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 98.000% |          |
| 24) Chloroform-d              | 4.349  | 84             | 69290    | 4.245  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 85.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 33425    | 4.554  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 91.000% |          |
| 32) Benzene-d6                | 5.050  | 84             | 132176   | 4.407  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 88.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67             | 39801    | 4.508  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 90.200% |          |
| 41) Toluene-d8                | 7.317  | 98             | 117104   | 4.166  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 83.400% |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 14520    | 4.337  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 86.800% |          |
| 46) 2-Hexanone-d5             | 8.088  | 63             | 55120    | 44.746 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 89.500% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 27718    | 4.365  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 87.400% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 43712    | 4.920  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 98.400% |          |
| Target Compounds              |        |                |          |        |         |          |
|                               |        |                |          |        | Qvalue  |          |
| 6) Bromomethane               | 1.523  | 94             | 473      | 0.073  | ug/L    | 75       |
| 13) Acetone                   | 2.182  | 43             | 2427     | 3.010  | ug/L    | 86       |
| 22) cis-1,2-Dichloroethene    | 3.918  | 96             | 885      | 0.103  | ug/L #  | 76       |
| 25) Chloroform                | 4.375  | 83             | 57617    | 3.572  | ug/L    | 98       |
| 27) 1,2-Dichloroethane        | 5.053  | 62             | 884      | 0.103  | ug/L #  | 72       |
| 34) Trichloroethene           | 5.924  | 95             | 2808     | 0.323  | ug/L    | 94       |
| 35) Methylcyclohexane         | 6.072  | 83             | 10191    | 0.743  | ug/L #  | 18       |
| 37) 1,2-Dichloropropane       | 6.072  | 63             | 4472     | 0.586  | ug/L #  | 83       |
| 38) Bromodichloromethane      | 6.513  | 83             | 15070    | 1.474  | ug/L #  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.992  | 75             | 984      | 0.090  | ug/L #  | 18       |
| 42) Toluene                   | 7.403  | 91             | 4040     | 0.116  | ug/L    | 93       |
| 48) 2-Hexanone                | 8.149  | 43             | 2809     | 1.133  | ug/L #  | 75       |
| 49) Dibromochloromethane      | 8.252  | 129            | 1758     | 0.253  | ug/L    | 91       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75             | 6006     | 1.695  | ug/L #  | 64       |

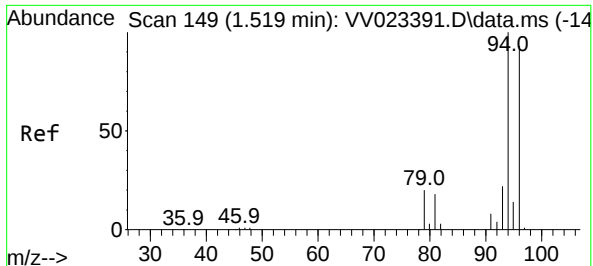
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111021\  
Data File : VV023398.D  
Acq On : 11 Nov 2021 19:23  
Operator : SY/MD  
Sample : M4558-17  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 12 02:08:10 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 12 02:02:21 2021  
Response via : Initial Calibration

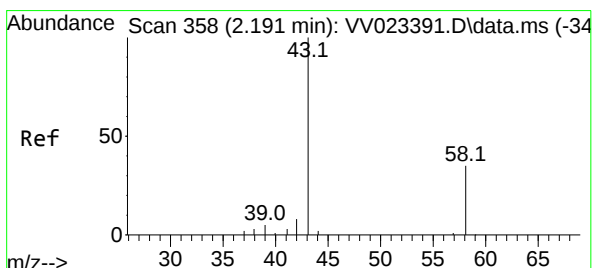
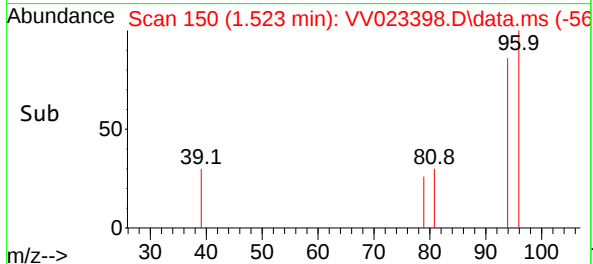
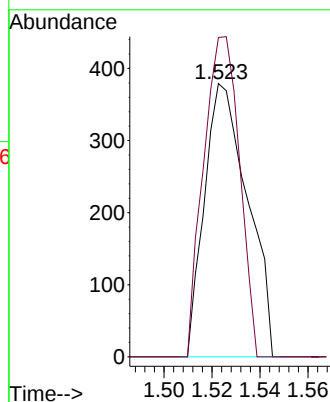
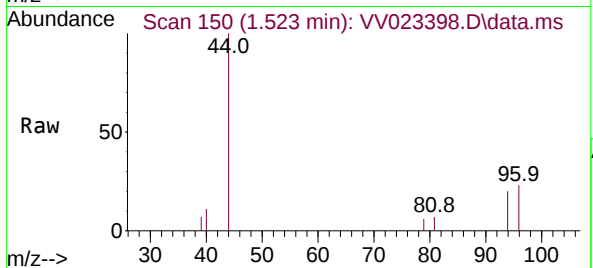




#6  
Bromomethane  
Concen: 0.073 ug/L  
RT: 1.523 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV023398.D  
Acq: 11 Nov 2021 19:23

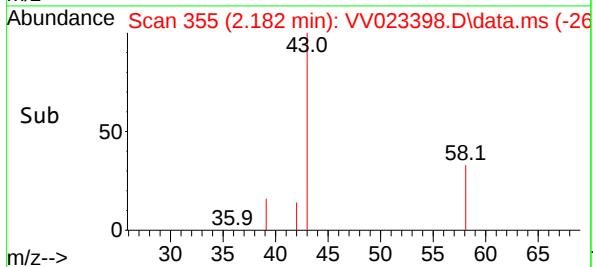
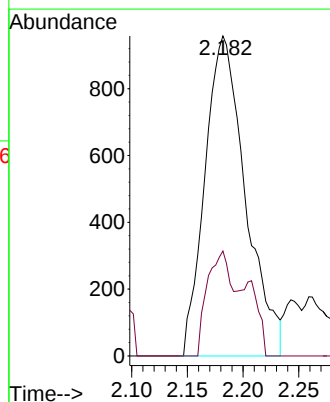
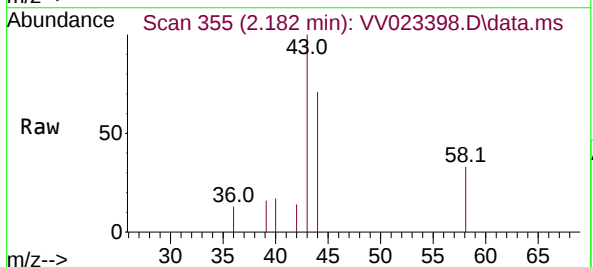
Instrument :  
MSVOA\_V  
ClientSampleId :

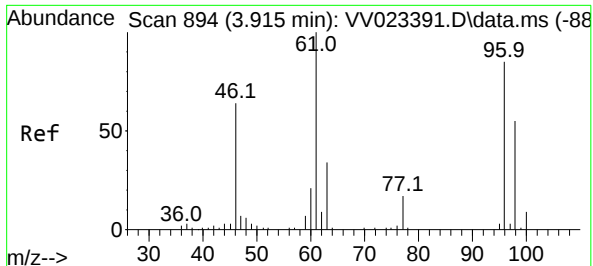
Tgt Ion: 94 Resp: 473  
Ion Ratio Lower Upper  
94 100  
96 116.9 65.0 120.8



#13  
Acetone  
Concen: 3.010 ug/L  
RT: 2.182 min Scan# 355  
Delta R.T. -0.009 min  
Lab File: VV023398.D  
Acq: 11 Nov 2021 19:23

Tgt Ion: 43 Resp: 2427  
Ion Ratio Lower Upper  
43 100  
58 20.5 0.0 55.4





#22

cis-1,2-Dichloroethene

Concen: 0.103 ug/L

RT: 3.918 min Scan# 894

Delta R.T. 0.003 min

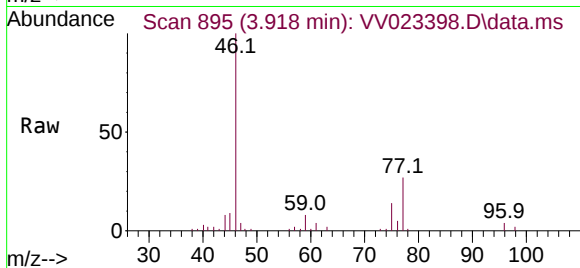
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Acq: 11 Nov 2021 19:23

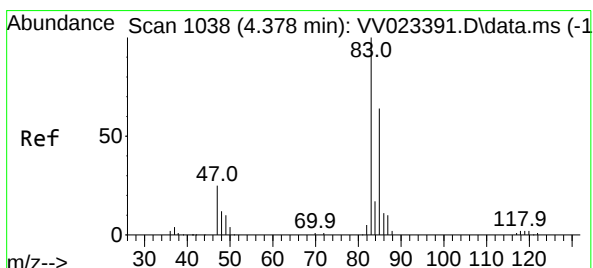
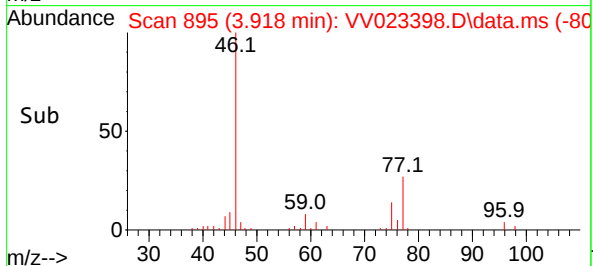
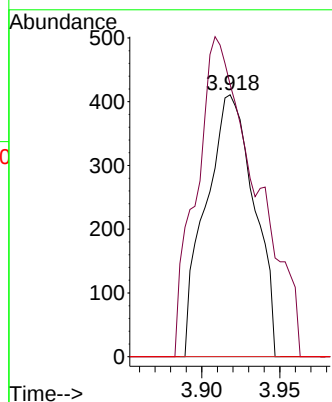
Instrument :

MSVOA\_V

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 885   |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 103.9 | 92.3  | 171.3 |
| 68        | 0.0   | 0.4   | 0.8   |



#25

Chloroform

Concen: 3.572 ug/L

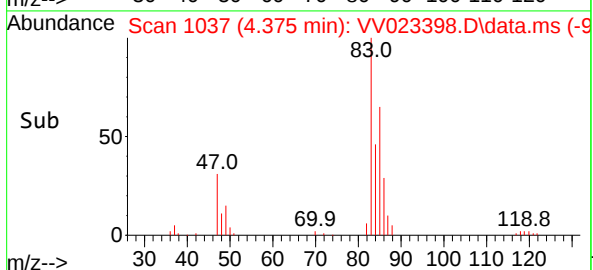
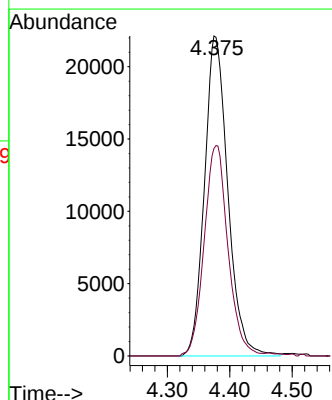
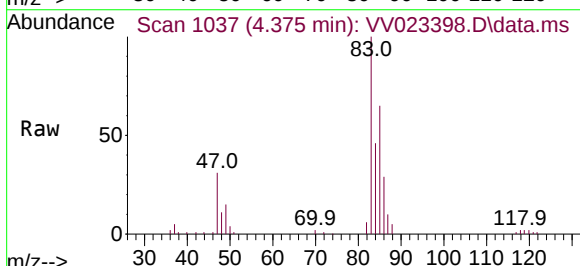
RT: 4.375 min Scan# 1037

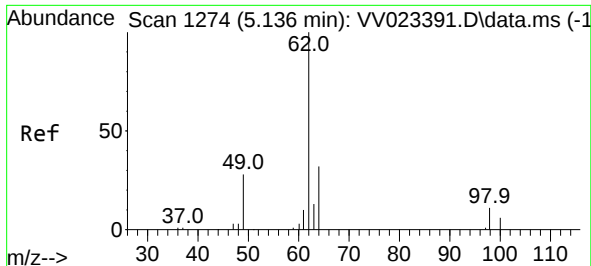
Delta R.T. -0.003 min

Lab File: VV023398.D

Acq: 11 Nov 2021 19:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 57617 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 64.8  | 46.8  | 86.8  |





#27

1,2-Dichloroethane

Concen: 0.103 ug/L

RT: 5.053 min Scan# 11

Delta R.T. -0.083 min

Lab File: VV023398.D

Acq: 11 Nov 2021 19:23

Instrument :

MSVOA\_V

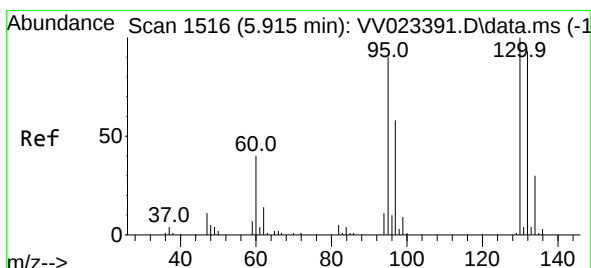
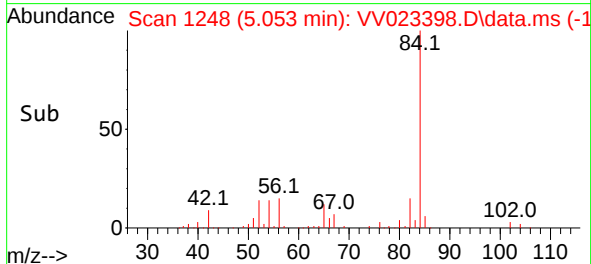
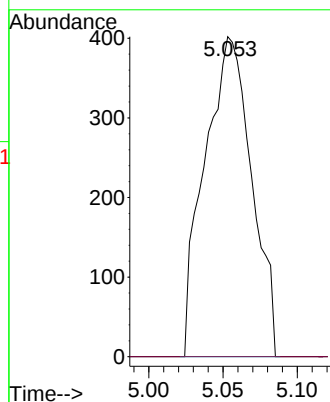
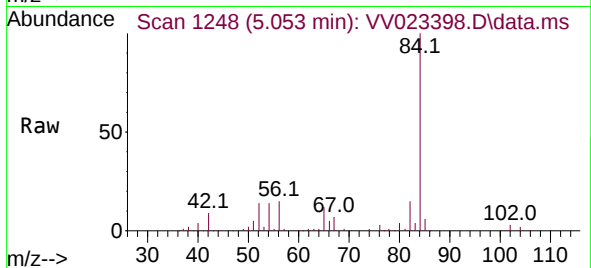
ClientSampleId :

Tgt Ion: 62 Resp: 884

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#34

Trichloroethene

Concen: 0.323 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.010 min

Lab File: VV023398.D

Acq: 11 Nov 2021 19:23

Tgt Ion: 95 Resp: 2808

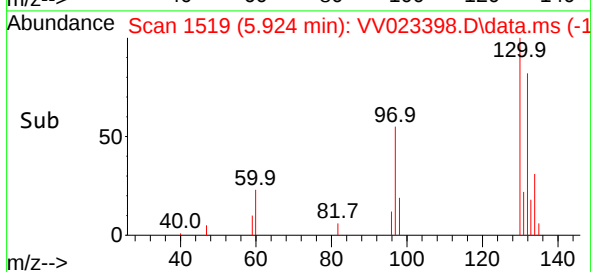
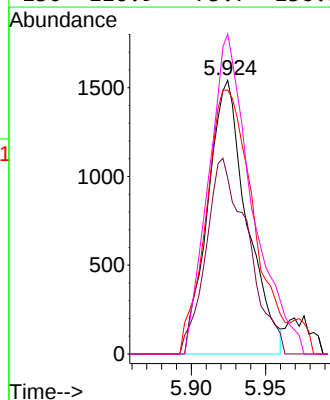
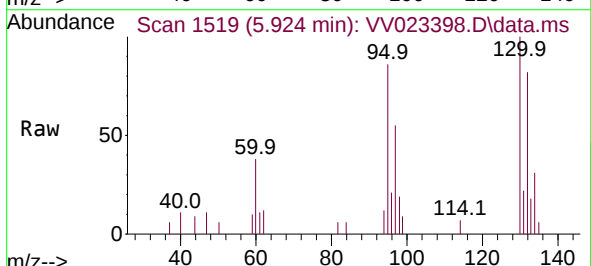
Ion Ratio Lower Upper

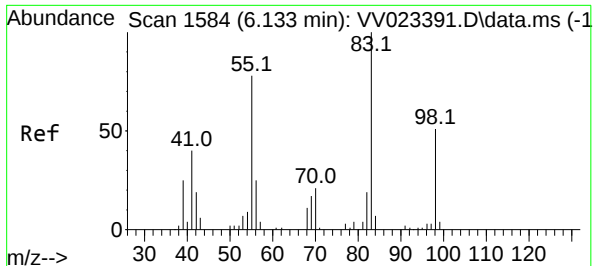
95 100

97 64.3 45.0 83.6

132 96.4 69.7 129.4

130 116.9 73.7 136.9





#35

Methylcyclohexane

Concen: 0.743 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV023398.D

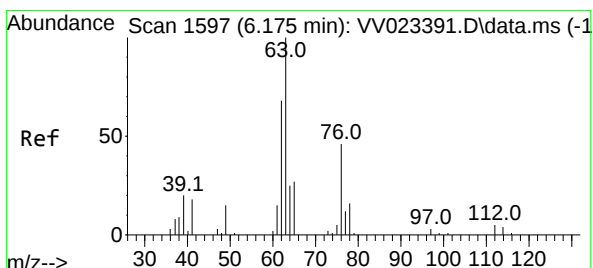
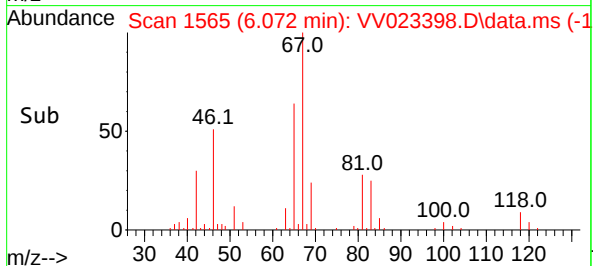
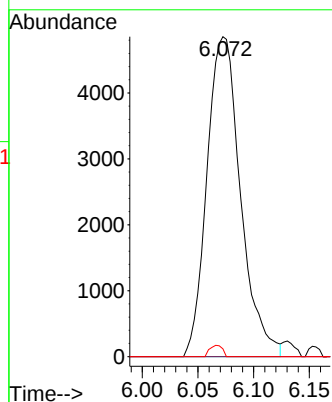
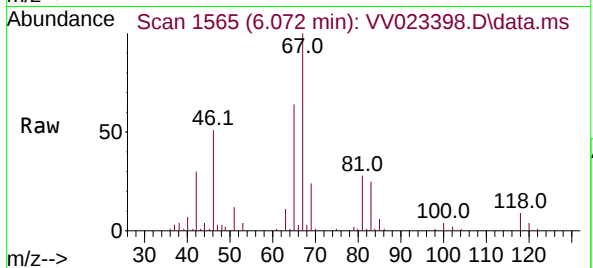
Acq: 11 Nov 2021 19:23

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 10191 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.2   | 62.8  | 94.2# |
| 98       | 1.3   | 37.9  | 56.9# |



#37

1,2-Dichloropropane

Concen: 0.586 ug/L

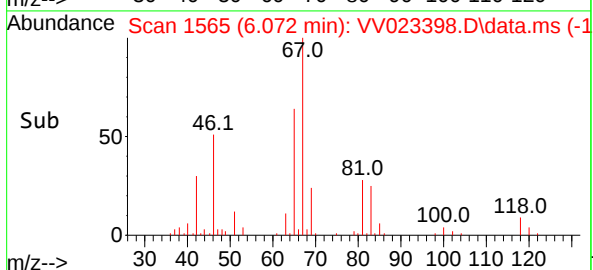
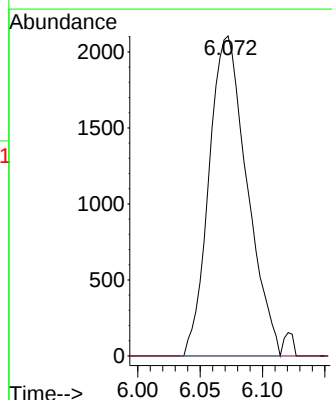
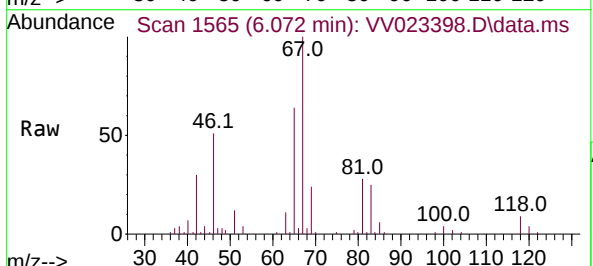
RT: 6.072 min Scan# 1565

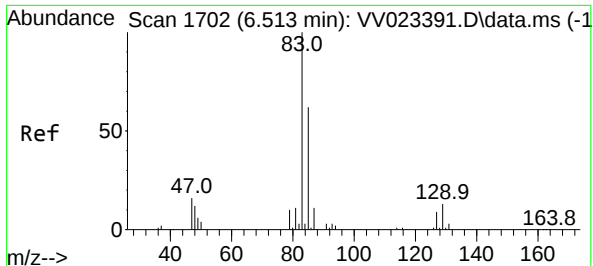
Delta R.T. -0.103 min

Lab File: VV023398.D

Acq: 11 Nov 2021 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 4472  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 4.6   | 6.8#  |

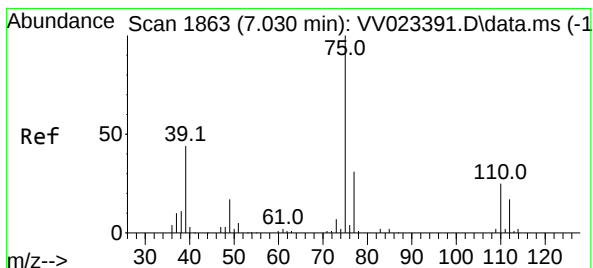
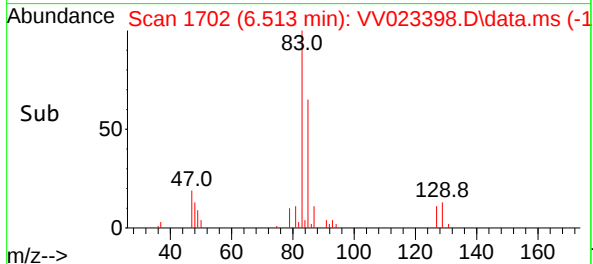
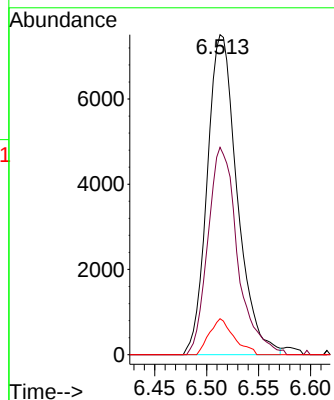
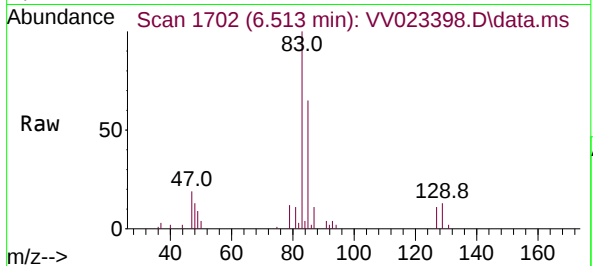




#38  
Bromodichloromethane  
Concen: 1.474 ug/L  
RT: 6.513 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV023398.D  
Acq: 11 Nov 2021 19:23

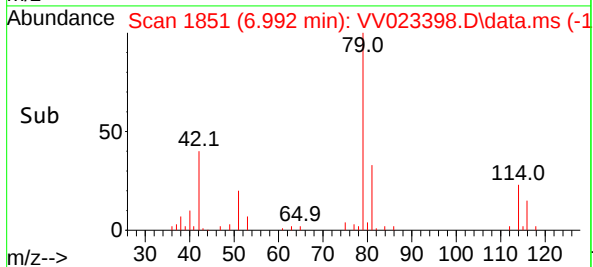
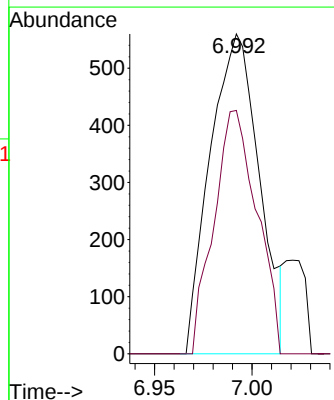
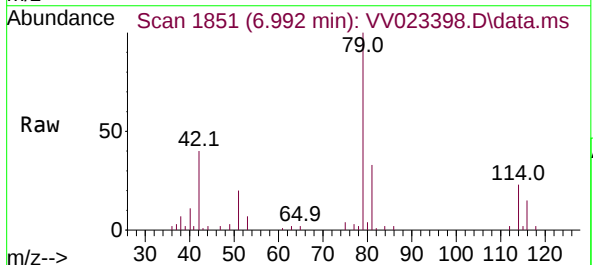
Instrument :  
MSVOA\_V  
ClientSampleId :

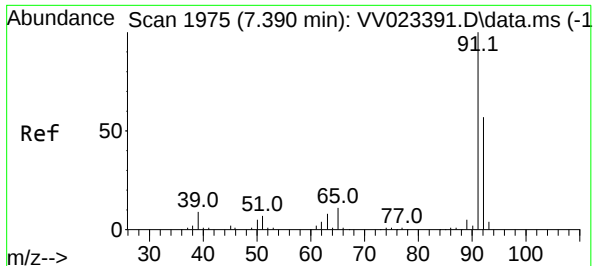
Tgt Ion: 83 Resp: 15070  
Ion Ratio Lower Upper  
83 100  
85 64.8 46.1 85.7  
127 11.3 7.2 10.8#



#39  
cis-1,3-Dichloropropene  
Concen: 0.090 ug/L  
RT: 6.992 min Scan# 1851  
Delta R.T. -0.038 min  
Lab File: VV023398.D  
Acq: 11 Nov 2021 19:23

Tgt Ion: 75 Resp: 984  
Ion Ratio Lower Upper  
75 100  
77 76.1 21.6 40.2#





#42

Toluene

Concen: 0.116 ug/L

RT: 7.403 min Scan# 1975

Delta R.T. 0.013 min

Lab File: VV023398.D

Acq: 11 Nov 2021 19:23

Instrument :

MSVOA\_V

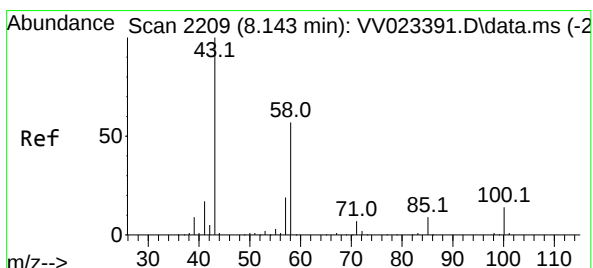
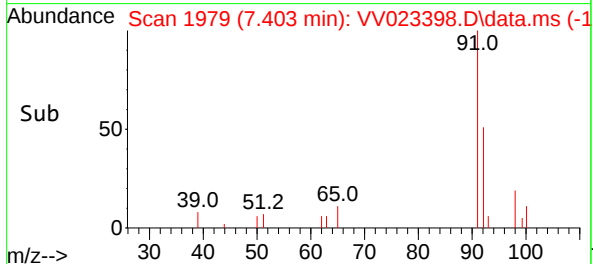
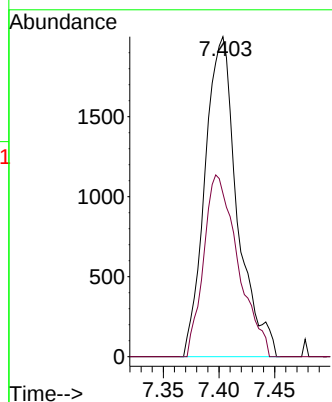
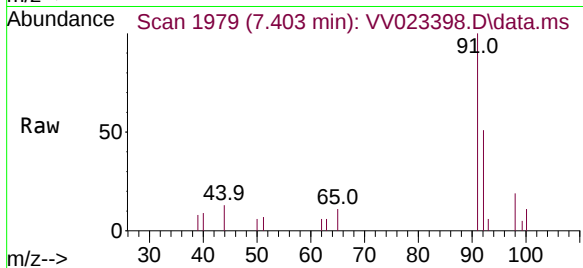
ClientSampleId :

Tgt Ion: 91 Resp: 4040

Ion Ratio Lower Upper

91 100

92 51.1 39.3 72.9



#48

2-Hexanone

Concen: 1.133 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.007 min

Lab File: VV023398.D

Acq: 11 Nov 2021 19:23

Tgt Ion: 43 Resp: 2809

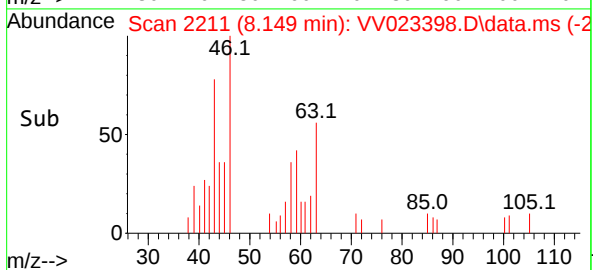
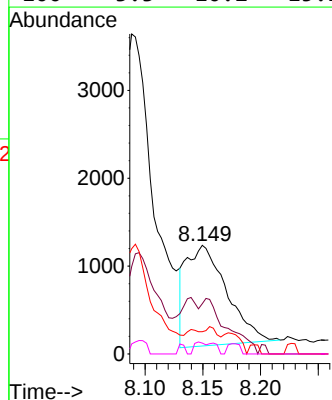
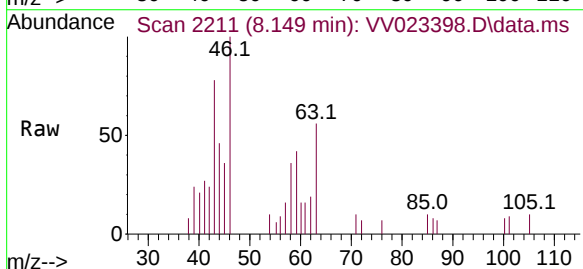
Ion Ratio Lower Upper

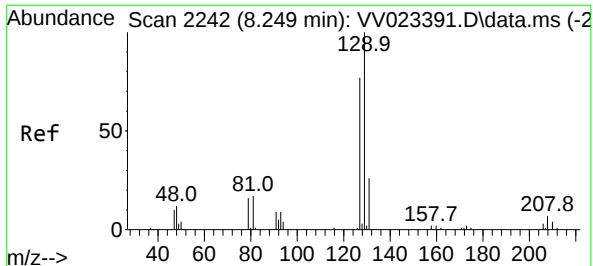
43 100

58 34.7 43.7 65.5#

57 8.8 14.1 21.1#

100 3.3 10.2 15.2#





#49

Dibromochloromethane

Concen: 0.253 ug/L

RT: 8.252 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV023398.D

Acq: 11 Nov 2021 19:23

Instrument :

MSVOA\_V

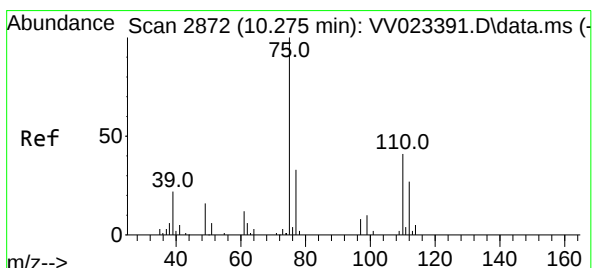
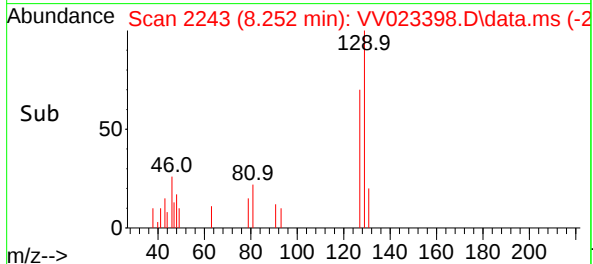
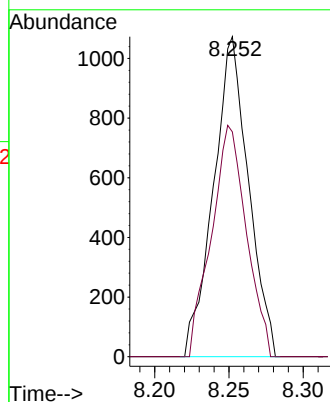
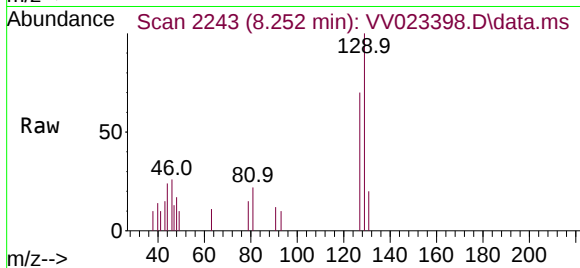
ClientSampleId :

Tgt Ion:129 Resp: 1758

Ion Ratio Lower Upper

129 100

127 70.3 54.7 101.7



#61

1,2,3-Trichloropropane

Concen: 1.695 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV023398.D

Acq: 11 Nov 2021 19:23

Tgt Ion: 75 Resp: 6006

Ion Ratio Lower Upper

75 100

77 30.5 26.6 39.8

110 1.3 31.8 47.6#

