

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111221\  
 Data File : VW023447.D  
 Acq On : 12 Nov 2021 17:36  
 Operator : SY/MD  
 Sample : M4580-20DL 20X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 13 01:57:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 13 01:39:11 2021  
 Response via : Initial Calibration

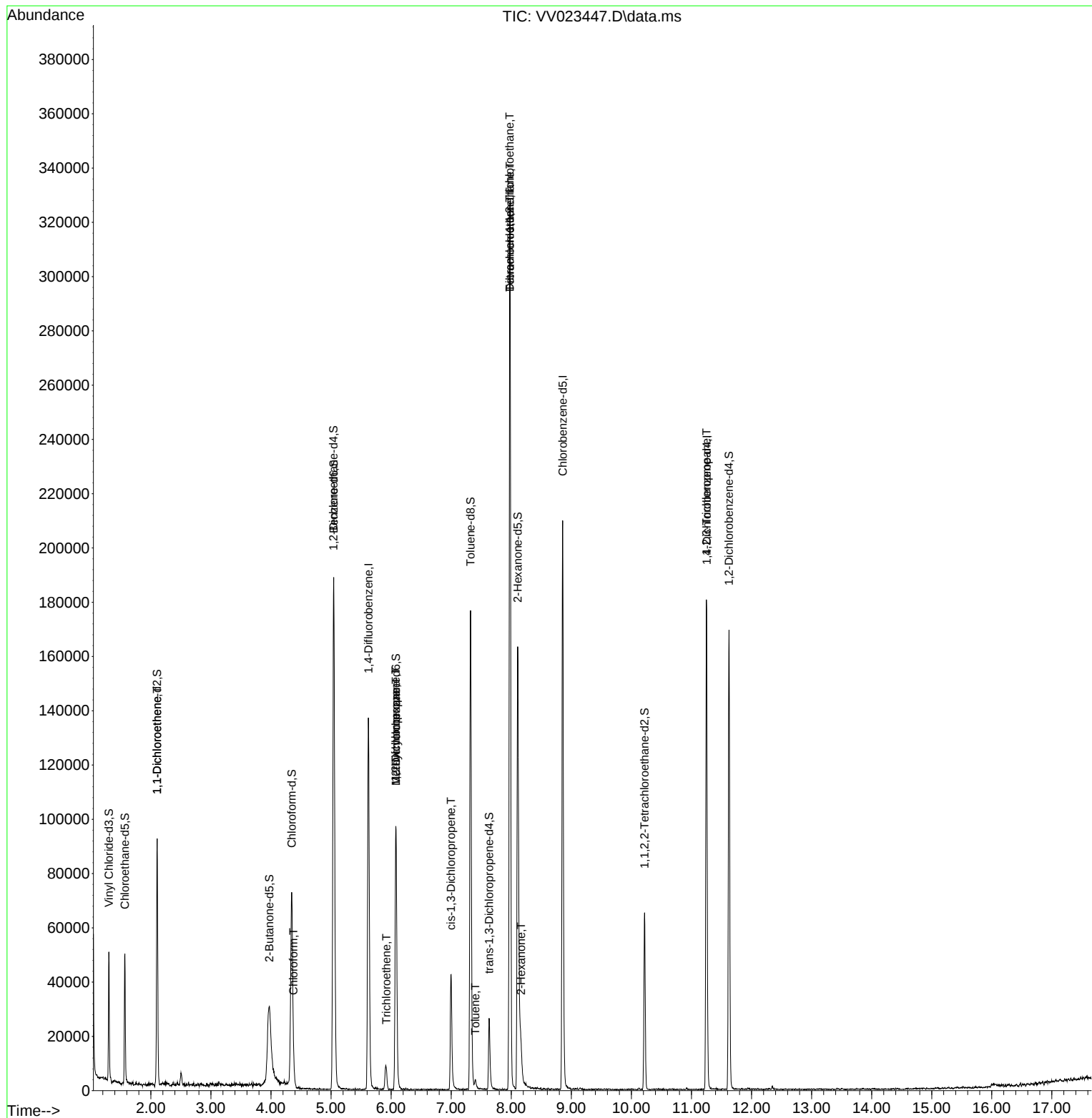
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.622  | 114            | 116437   | 5.000  | ug/L     | -0.01    |
| 28) Chlorobenzene-d5          | 8.857  | 117            | 116185   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152            | 49327    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65             | 28773    | 3.945  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 78.800%  |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 26699    | 4.491  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 89.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63             | 44237    | 3.240  | ug/L     | -0.02    |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 64.800%  |          |
| 20) 2-Butanone-d5             | 3.973  | 46             | 73113    | 58.179 | ug/L     | -0.02    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 116.360% |          |
| 24) Chloroform-d              | 4.346  | 84             | 67369    | 4.334  | ug/L     | -0.02    |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.040  | 65             | 38602    | 5.522  | ug/L     | -0.01    |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 110.400% |          |
| 32) Benzene-d6                | 5.043  | 84             | 147985   | 4.964  | ug/L     | -0.02    |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 99.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.082  | 67             | 45140    | 5.144  | ug/L     | -0.01    |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 102.800% |          |
| 41) Toluene-d8                | 7.323  | 98             | 117176   | 4.195  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 83.800%  |          |
| 43) trans-1,3-Dichloroprop... | 7.632  | 79             | 15452    | 4.644  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 92.800%  |          |
| 46) 2-Hexanone-d5             | 8.108  | 63             | 52375    | 42.780 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 85.560%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220 | 84             | 29379    | 4.655  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 93.200%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 45081    | 5.489  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 109.800% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.105  | 96             | 431      | 0.062  | ug/L #   | 1        |
| 25) Chloroform                | 4.375  | 83             | 5933     | 0.386  | ug/L     | 94       |
| 34) Trichloroethene           | 5.921  | 95             | 1859     | 0.215  | ug/L     | 94       |
| 35) Methylcyclohexane         | 6.082  | 83             | 11167    | 0.819  | ug/L #   | 18       |
| 37) 1,2-Dichloropropane       | 6.079  | 63             | 5137     | 0.678  | ug/L #   | 83       |
| 39) cis-1,3-Dichloropropene   | 6.998  | 75             | 1202     | 0.110  | ug/L #   | 55       |
| 42) Toluene                   | 7.404  | 91             | 2186     | 0.063  | ug/L     | 78       |
| 45) 1,1,2-Trichloroethane     | 7.973  | 97             | 589      | 0.108  | ug/L #   | 6        |
| 47) Tetrachloroethene         | 7.979  | 164            | 73188    | 9.779  | ug/L     | 98       |
| 48) 2-Hexanone                | 8.162  | 43             | 8711     | 3.536  | ug/L #   | 81       |
| 49) Dibromochloromethane      | 7.979  | 129            | 60501    | 8.766  | ug/L #   | 10       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75             | 5297     | 1.617  | ug/L #   | 67       |
| -----                         |        |                |          |        |          |          |

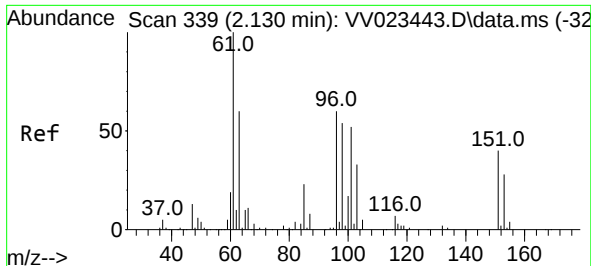
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111221\  
Data File : VV023447.D  
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Sample : M4580-20DL 20X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 13 01:57:07 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Nov 13 01:39:11 2021  
Response via : Initial Calibration

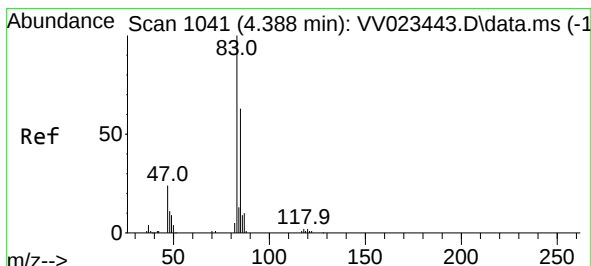
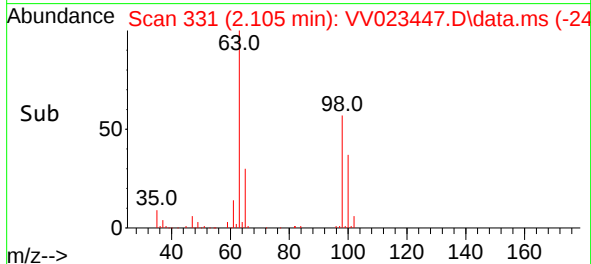
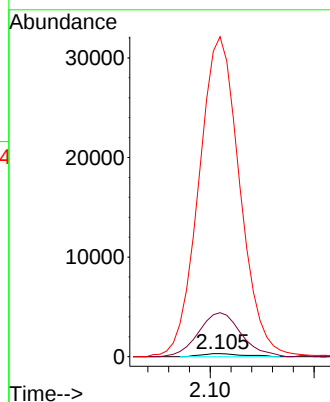
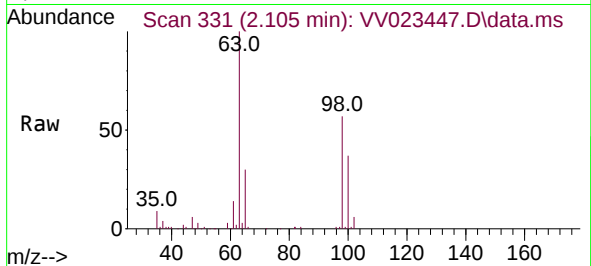




#12  
1,1-Dichloroethene  
Concen: 0.062 ug/L  
RT: 2.105 min Scan# 31  
Delta R.T. -0.026 min  
Lab File: VV023447.D  
Acq: 12 Nov 2021 17:36

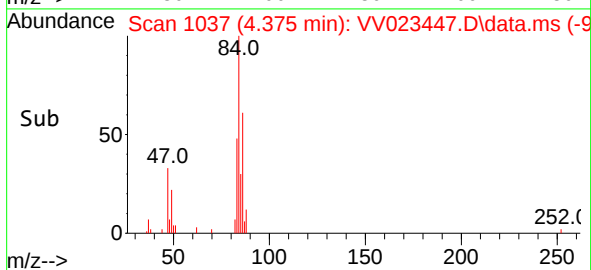
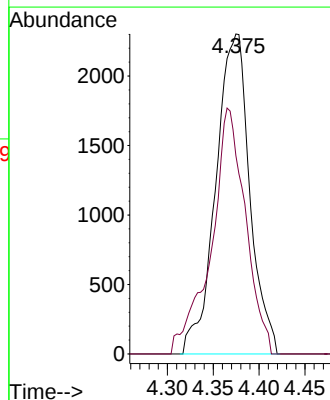
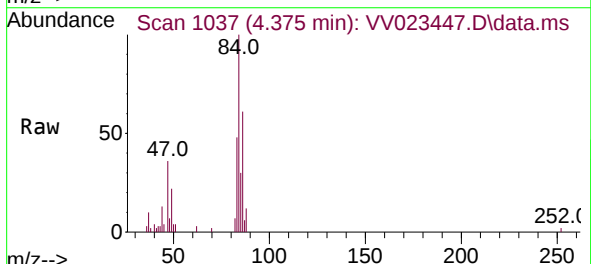
Instrument :  
MSVOA\_V  
ClientSampleId :

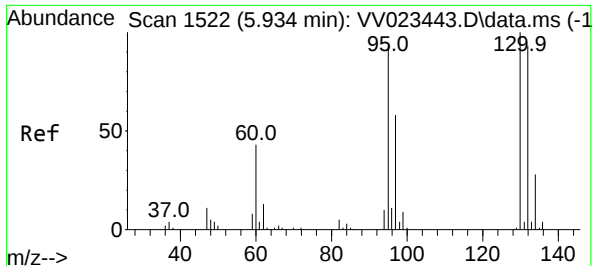
Tgt Ion: 96 Resp: 431  
Ion Ratio Lower Upper  
96 100  
61 1414.1 121.5 225.7#  
63 10264.5 99.6 185.0#



#25  
Chloroform  
Concen: 0.386 ug/L  
RT: 4.375 min Scan# 1037  
Delta R.T. -0.013 min  
Lab File: VV023447.D  
Acq: 12 Nov 2021 17:36

Tgt Ion: 83 Resp: 5933  
Ion Ratio Lower Upper  
83 100  
85 62.0 46.8 86.8





#34

Trichloroethene

Concen: 0.215 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. -0.013 min

Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 1859

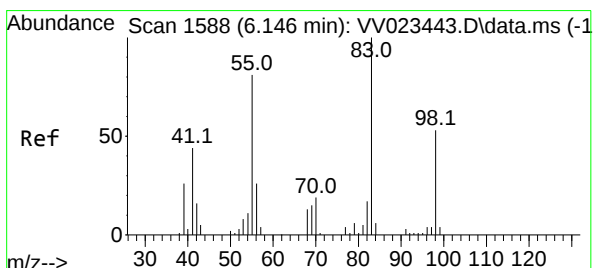
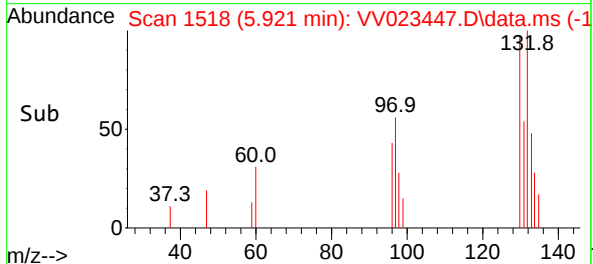
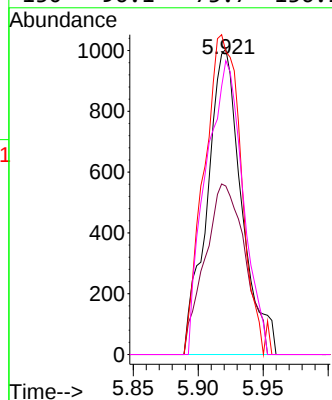
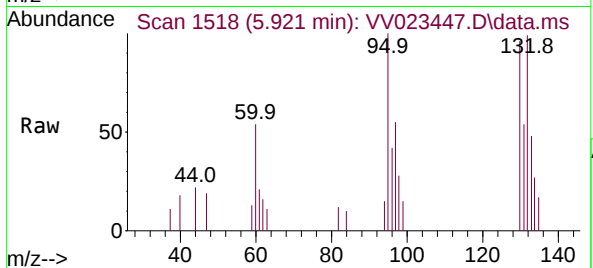
Ion Ratio Lower Upper

95 100

97 55.1 45.0 83.6

132 99.2 69.7 129.4

130 96.1 73.7 136.9



#35

Methylcyclohexane

Concen: 0.819 ug/L

RT: 6.082 min Scan# 1568

Delta R.T. -0.064 min

Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

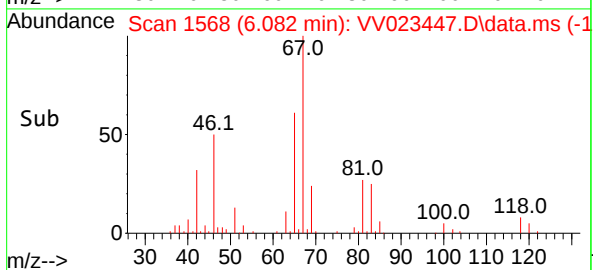
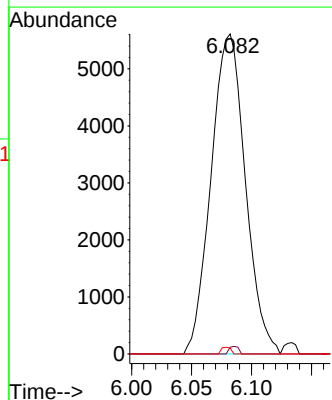
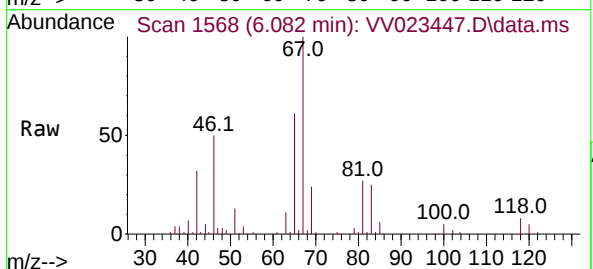
Tgt Ion: 83 Resp: 11167

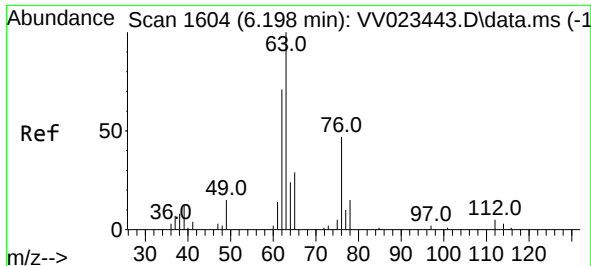
Ion Ratio Lower Upper

83 100

55 0.6 62.8 94.2#

98 0.6 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.678 ug/L

RT: 6.079 min Scan# 11

Delta R.T. -0.119 min

Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

Instrument :

MSVOA\_V

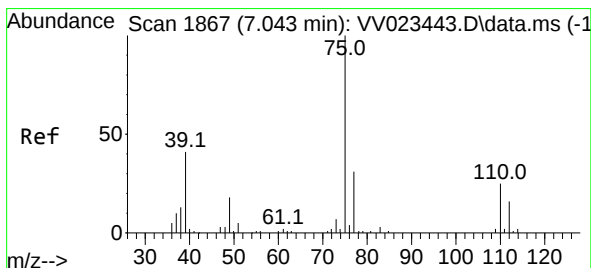
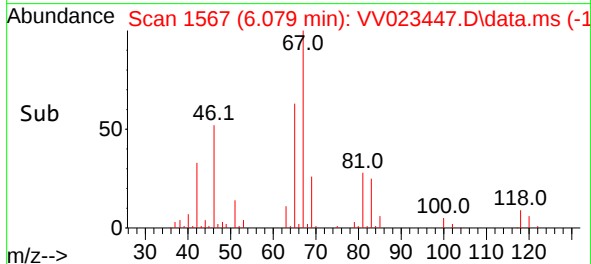
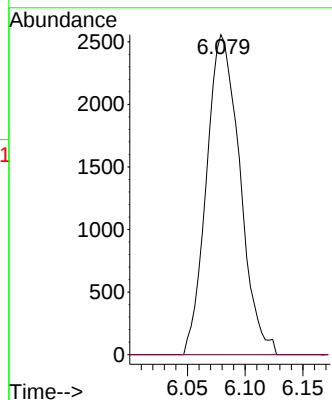
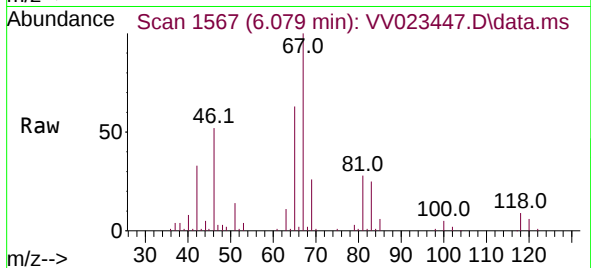
ClientSampleId :

Tgt Ion: 63 Resp: 5137

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 6.998 min Scan# 1853

Delta R.T. -0.045 min

Lab File: VV023447.D

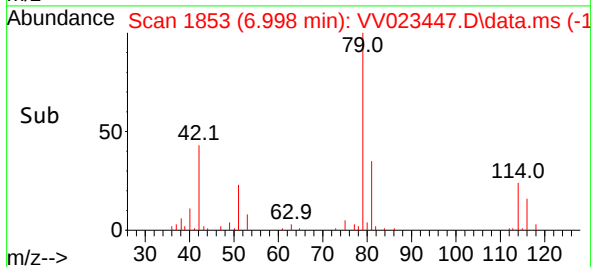
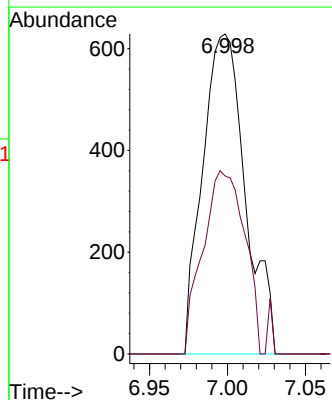
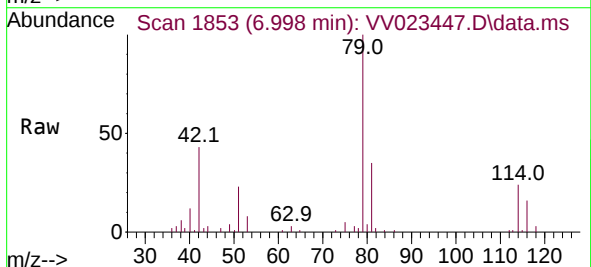
Acq: 12 Nov 2021 17:36

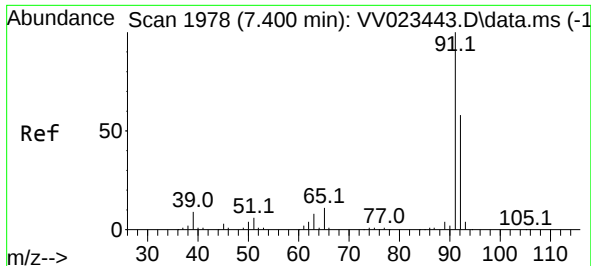
Tgt Ion: 75 Resp: 1202

Ion Ratio Lower Upper

75 100

77 55.6 21.6 40.2#





#42

Toluene

Concen: 0.063 ug/L

RT: 7.404 min Scan# 1978

Delta R.T. 0.003 min

Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

Instrument :

MSVOA\_V

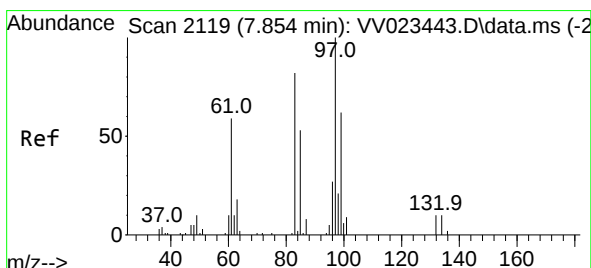
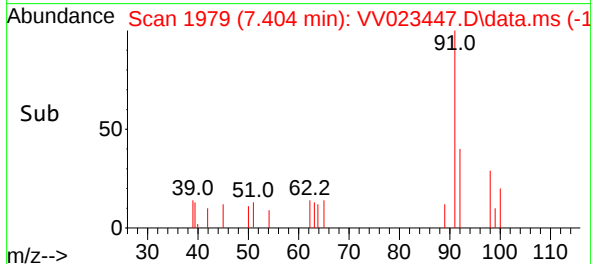
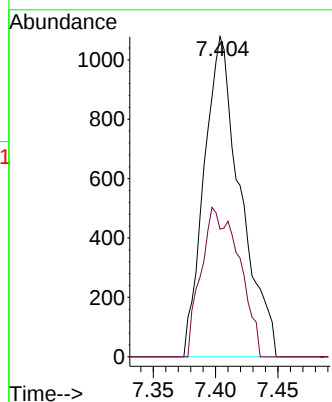
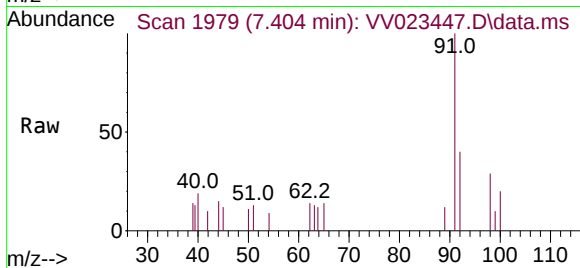
ClientSampleId :

Tgt Ion: 91 Resp: 2186

Ion Ratio Lower Upper

91 100

92 39.9 39.3 72.9



#45

1,1,2-Trichloroethane

Concen: 0.108 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.119 min

Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

Tgt Ion: 97 Resp: 589

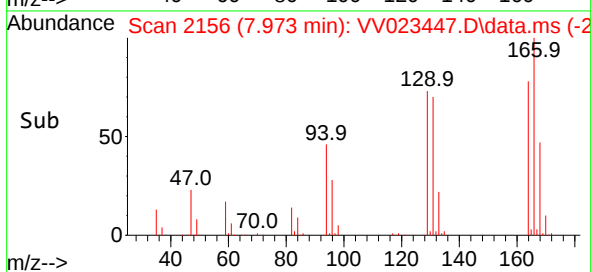
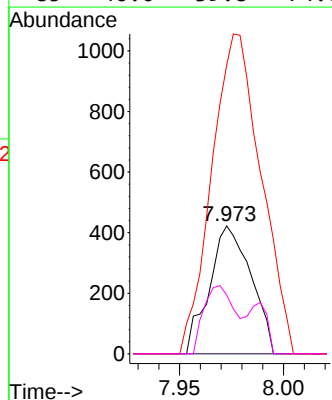
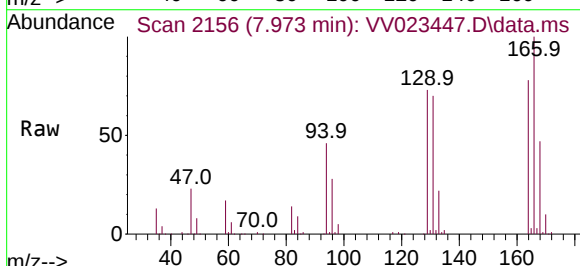
Ion Ratio Lower Upper

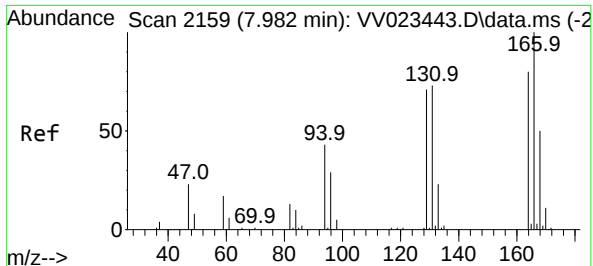
97 100

99 0.0 43.6 81.0#

83 226.1 58.4 108.4#

85 46.0 39.8 74.0





#47

Tetrachloroethene

Concen: 9.779 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.003 min

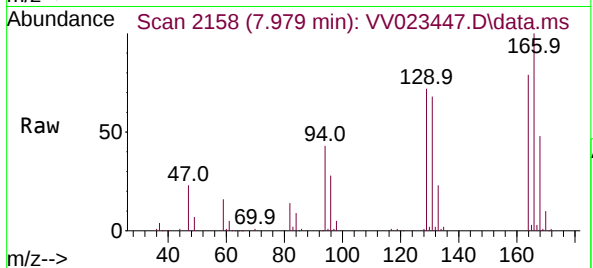
Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:164 Resp: 73188

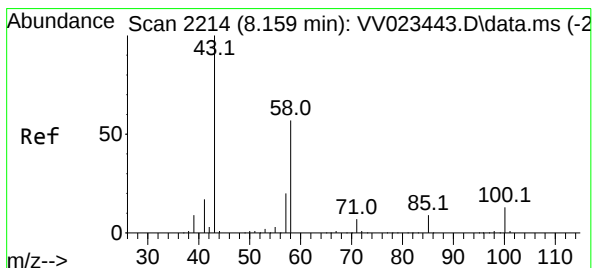
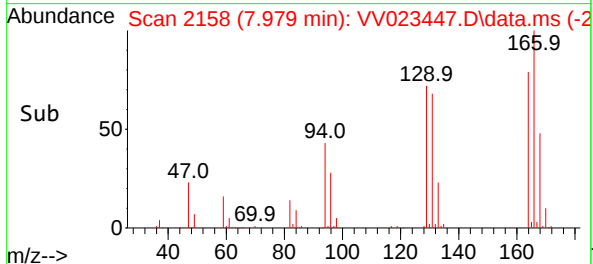
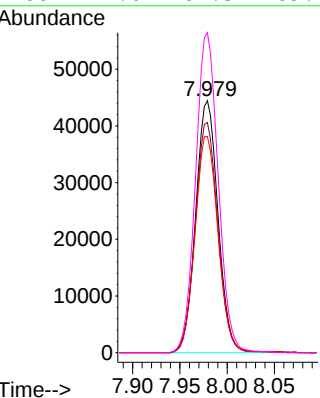
Ion Ratio Lower Upper

164 100

129 91.4 64.0 119.0

131 85.8 63.4 117.8

166 127.0 89.3 165.9



#48

2-Hexanone

Concen: 3.536 ug/L

RT: 8.162 min Scan# 2215

Delta R.T. 0.003 min

Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

Tgt Ion: 43 Resp: 8711

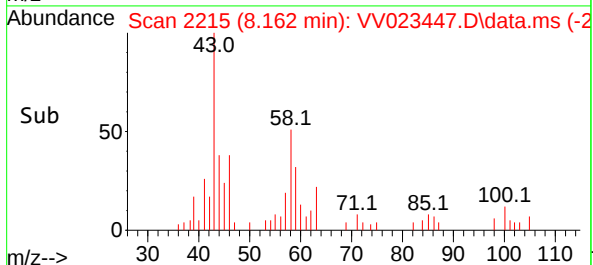
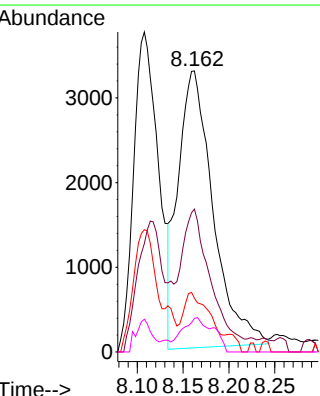
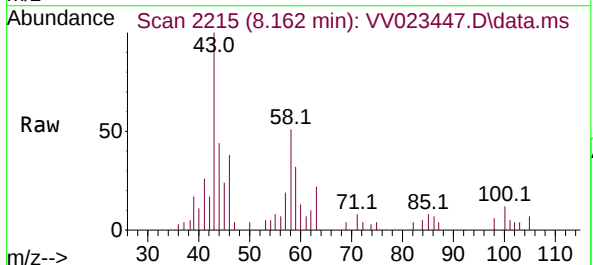
Ion Ratio Lower Upper

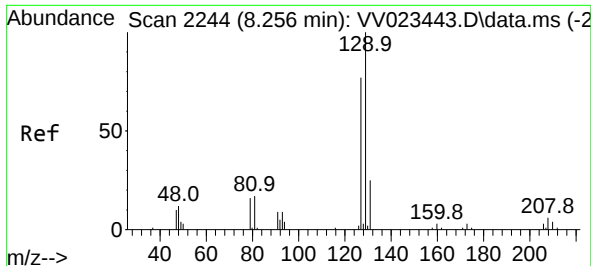
43 100

58 37.9 43.7 65.5#

57 11.0 14.1 21.1#

100 10.9 10.2 15.2





#49

Dibromochloromethane

Concen: 8.766 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.276 min

Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

Instrument :

MSVOA\_V

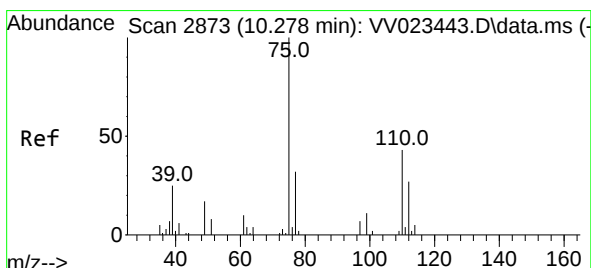
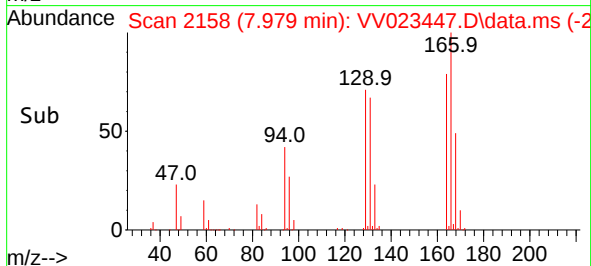
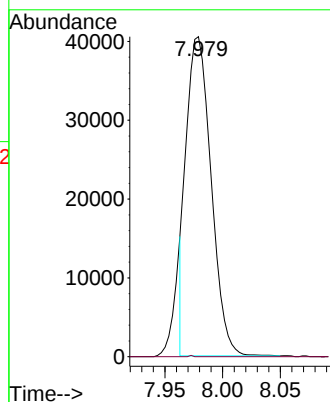
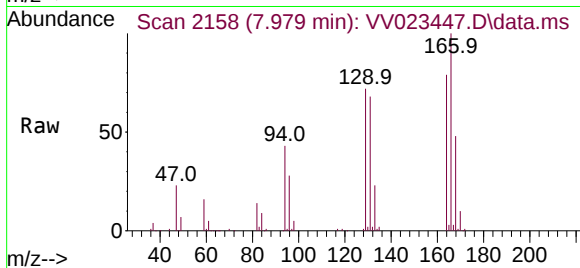
ClientSampleId :

Tgt Ion:129 Resp: 60501

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.617 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.971 min

Lab File: VV023447.D

Acq: 12 Nov 2021 17:36

Tgt Ion: 75 Resp: 5297

Ion Ratio Lower Upper

75 100

77 35.1 26.6 39.8

110 3.8 31.8 47.6#

