

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120621\  
 Data File : VW023798.D  
 Acq On : 06 Dec 2021 15:21  
 Operator : SY/MD  
 Sample : M4979-06  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 07 05:31:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 02 02:08:23 2021  
 Response via : Initial Calibration

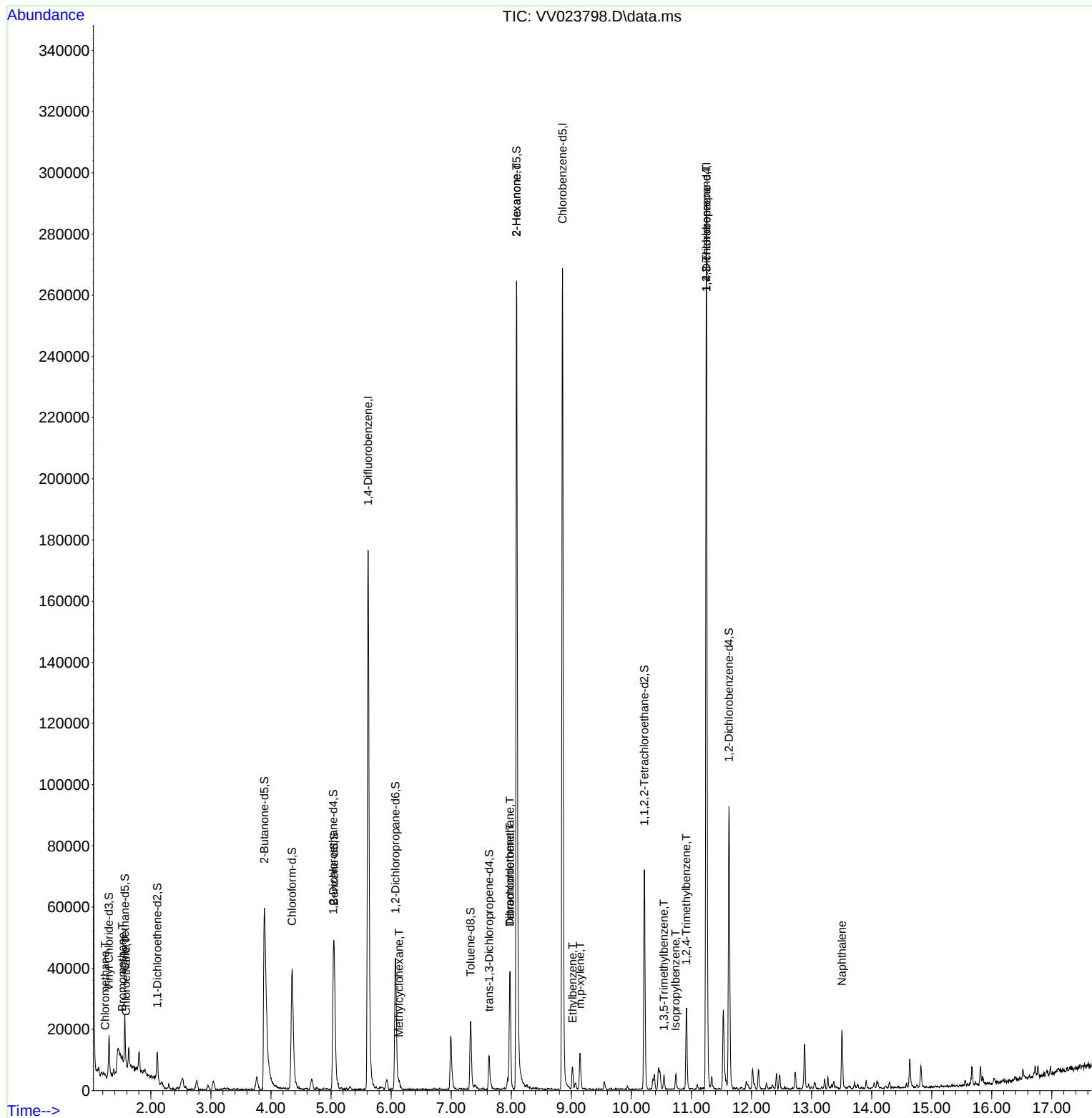
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 160705   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 152041   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 76441    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 6402     | 0.485    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 9.800%#   |
| 7) Chloroethane-d5            | 1.568  | 69    | 9532     | 0.919    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 18.400%#  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 5359     | 0.230    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 4.600%#   |
| 20) 2-Butanone-d5             | 3.889  | 46    | 121358   | 76.521   | ug/L   | -0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 153.040%# |
| 24) Chloroform-d              | 4.352  | 84    | 41045    | 1.787    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 35.800%#  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 22560    | 2.102    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 42.000%#  |
| 32) Benzene-d6                | 5.053  | 84    | 34443    | 0.832    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 16.600%#  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 21269    | 1.832    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 36.600%#  |
| 41) Toluene-d8                | 7.323  | 98    | 16791    | 0.434    | ug/L   | 0.01      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 8.600%#   |
| 43) trans-1,3-Dichloroprop... | 7.632  | 79    | 7314     | 1.563    | ug/L   | 0.01      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 31.200%#  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 92756    | 59.650   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 119.300%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 33533    | 4.013    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 80.200%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 24100    | 1.783    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 35.600%#  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 3) Chloromethane              | 1.240  | 50    | 710      | 0.054    | ug/L   | 99        |
| 6) Bromomethane               | 1.523  | 94    | 815      | 0.103    | ug/L   | 96        |
| 8) Chloroethane               | 1.587  | 64    | 961      | 0.109    | ug/L # | 53        |
| 35) Methylcyclohexane         | 6.130  | 83    | 1067     | 0.059    | ug/L # | 68        |
| 47) Tetrachloroethene         | 7.979  | 164   | 9206     | 0.871    | ug/L   | 97        |
| 48) 2-Hexanone                | 8.088  | 43    | 10973    | 3.018    | ug/L # | 65        |
| 49) Dibromochloromethane      | 7.979  | 129   | 8828     | 0.903    | ug/L # | 11        |
| 52) Ethylbenzene              | 9.021  | 91    | 5689     | 0.116    | ug/L   | 94        |
| 53) m,p-xylene                | 9.146  | 106   | 3752     | 0.192    | ug/L   | 90        |
| 60) Isopropylbenzene          | 10.738 | 105   | 3479     | 0.076    | ug/L   | 96        |
| 61) 1,2,3-Trichloropropane    | 11.246 | 75    | 7830     | 1.444    | ug/L # | 63        |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105   | 2937     | 0.077    | ug/L   | 94        |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105   | 14439    | 0.384    | ug/L   | 97        |
| 71) Naphthalene               | 13.506 | 128   | 16104    | 0.846    | ug/L   | 99        |
| -----                         |        |       |          |          |        |           |

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

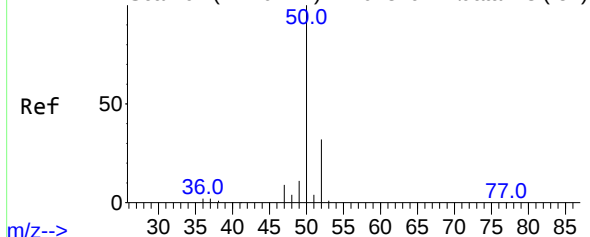
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV120621\  
Data File : VV023798.D  
Acq On : 06 Dec 2021 15:21  
Operator : SY/MD  
Sample : M4979-06  
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Quant Time: Dec 07 05:31:17 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 02 02:08:23 2021  
Response via : Initial Calibration



Abundance Scan 62 (1.240 min): VV023791.D\data.ms (-54)



#3

Chloromethane

Concen: 0.054 ug/L

RT: 1.240 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV023798.D

Acq: 06 Dec 2021 15:21

Instrument :

MSVOA\_V

ClientSampleId :

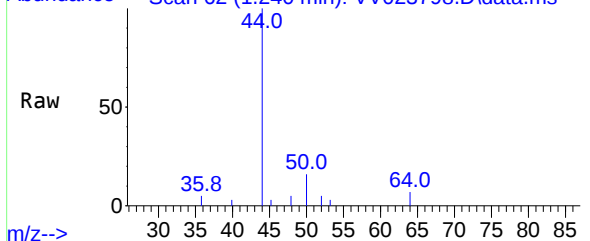
Tgt Ion: 50 Resp: 710

Ion Ratio Lower Upper

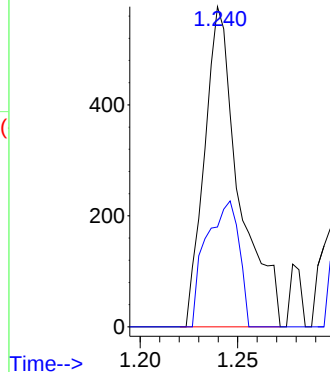
50 100

52 31.2 22.0 41.0

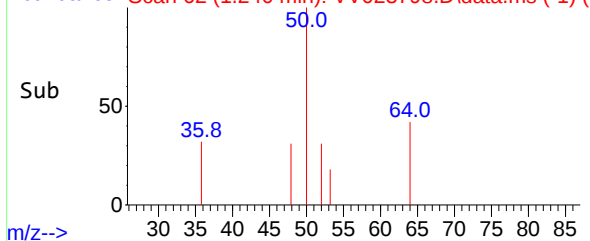
Abundance Scan 62 (1.240 min): VV023798.D\data.ms



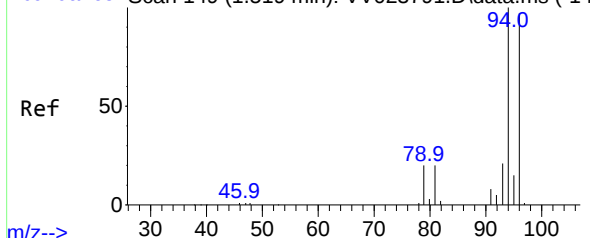
Abundance



Abundance Scan 62 (1.240 min): VV023798.D\data.ms (-1)



Abundance Scan 149 (1.519 min): VV023791.D\data.ms (-14)



#6

Bromomethane

Concen: 0.103 ug/L

RT: 1.523 min Scan# 150

Delta R.T. 0.000 min

Lab File: VV023798.D

Acq: 06 Dec 2021 15:21

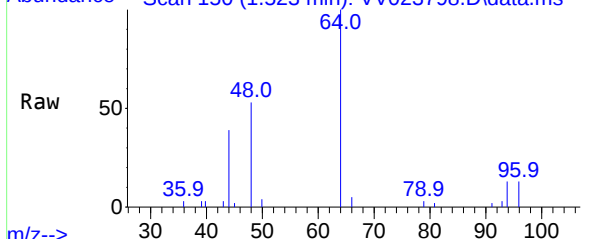
Tgt Ion: 94 Resp: 815

Ion Ratio Lower Upper

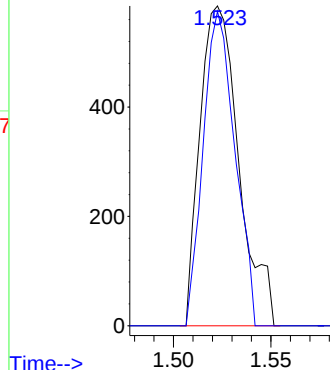
94 100

96 98.3 66.2 123.0

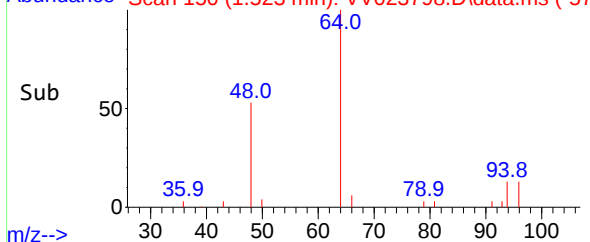
Abundance Scan 150 (1.523 min): VV023798.D\data.ms

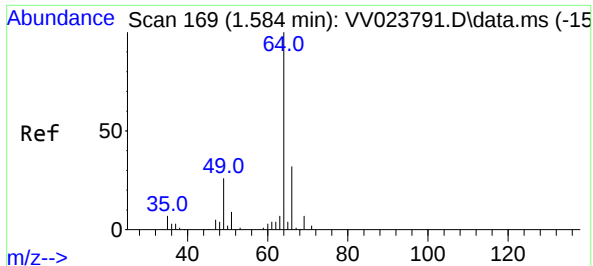


Abundance



Abundance Scan 150 (1.523 min): VV023798.D\data.ms (-57)

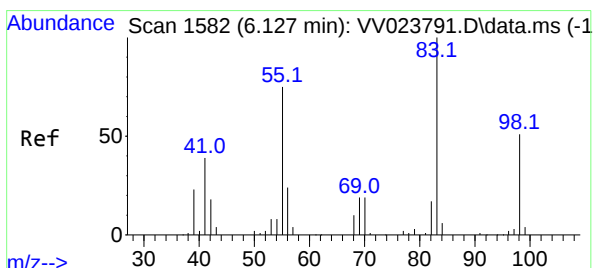
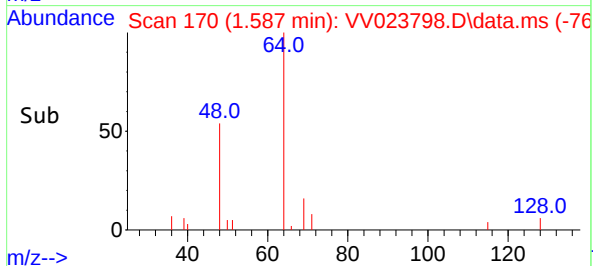
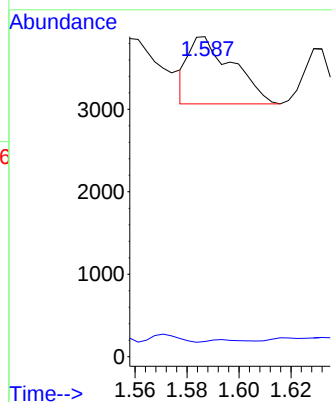
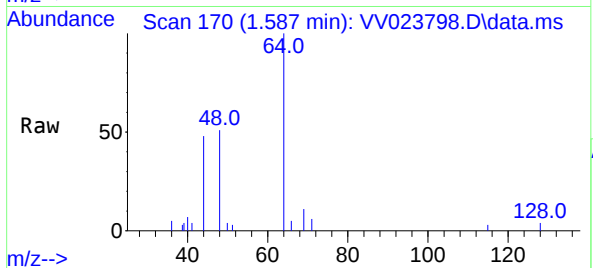




#8  
Chloroethane  
Concen: 0.109 ug/L  
RT: 1.587 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV023798.D  
Acq: 06 Dec 2021 15:21

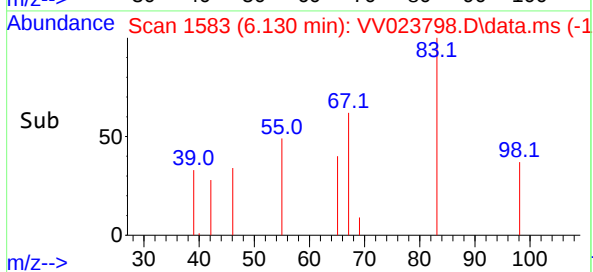
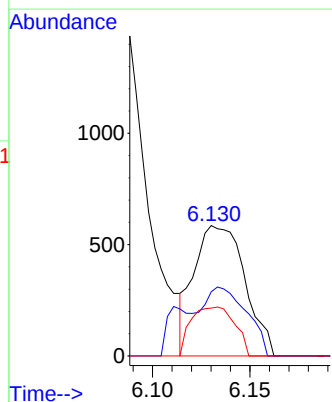
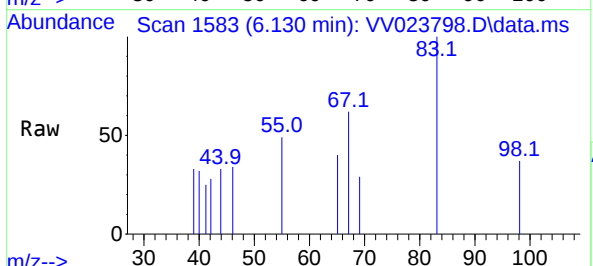
Instrument :  
MSVOA\_V  
ClientSampleId :

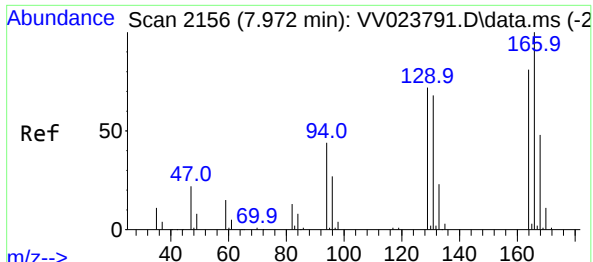
Tgt Ion: 64 Resp: 961  
Ion Ratio Lower Upper  
64 100  
66 4.7 21.4 39.8#



#35  
Methylcyclohexane  
Concen: 0.059 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. 0.003 min  
Lab File: VV023798.D  
Acq: 06 Dec 2021 15:21

Tgt Ion: 83 Resp: 1067  
Ion Ratio Lower Upper  
83 100  
55 45.6 60.2 90.2#  
98 32.1 41.0 61.4#





#47

Tetrachloroethene

Concen: 0.871 ug/L

RT: 7.979 min Scan# 2156

Delta R.T. 0.006 min

Lab File: VV023798.D

Acq: 06 Dec 2021 15:21

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:164 Resp: 9206

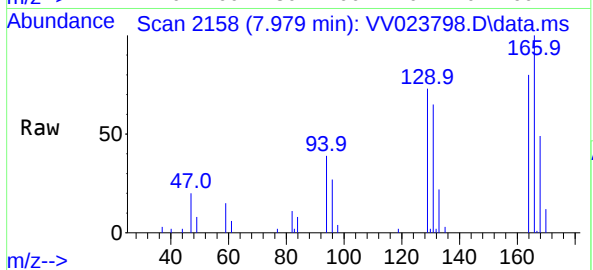
Ion Ratio Lower Upper

164 100

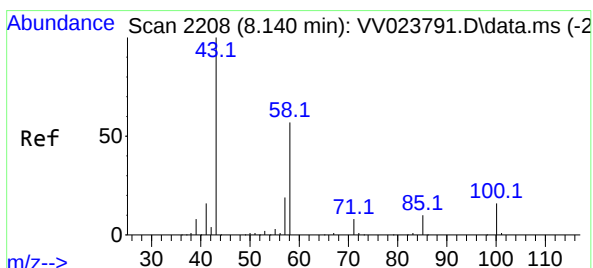
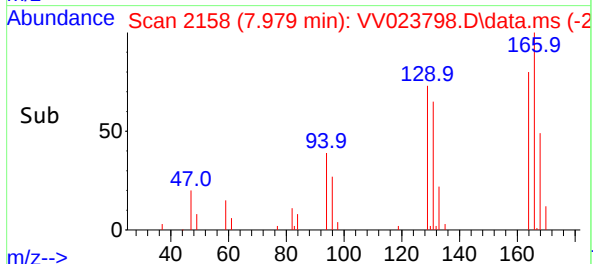
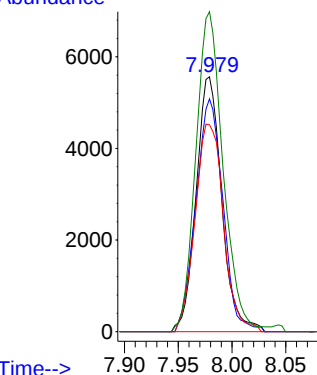
129 91.4 62.6 116.2

131 81.2 61.0 113.4

166 125.5 87.3 162.1



Abundance



#48

2-Hexanone

Concen: 3.018 ug/L

RT: 8.088 min Scan# 2192

Delta R.T. -0.051 min

Lab File: VV023798.D

Acq: 06 Dec 2021 15:21

Tgt Ion: 43 Resp: 10973

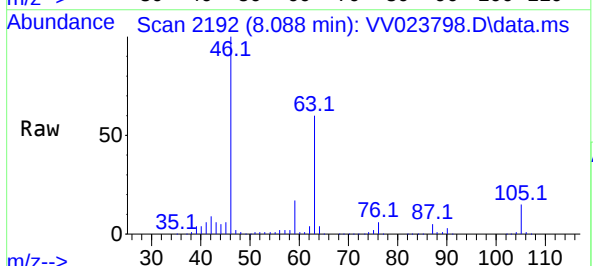
Ion Ratio Lower Upper

43 100

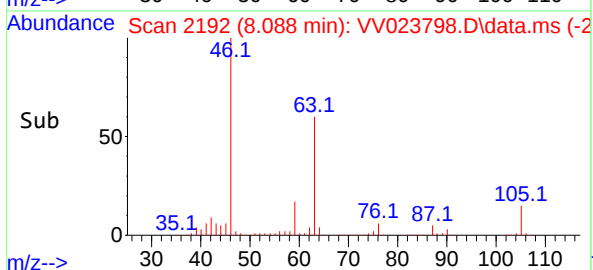
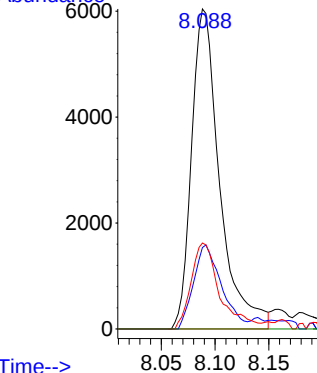
58 26.1 44.5 66.7#

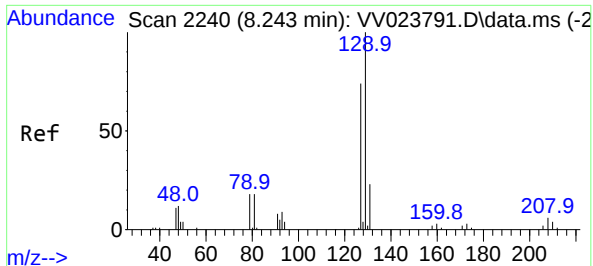
57 27.4 15.1 22.7#

100 0.0 10.7 16.1#



Abundance





#49

Dibromochloromethane

Concen: 0.903 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV023798.D

Acq: 06 Dec 2021 15:21

Instrument :

MSVOA\_V

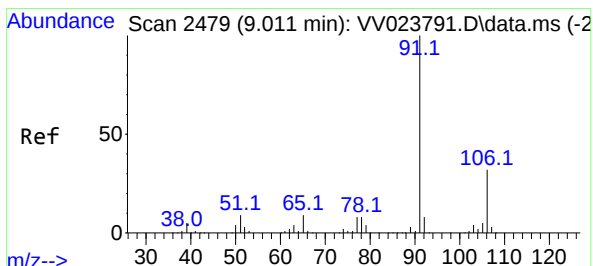
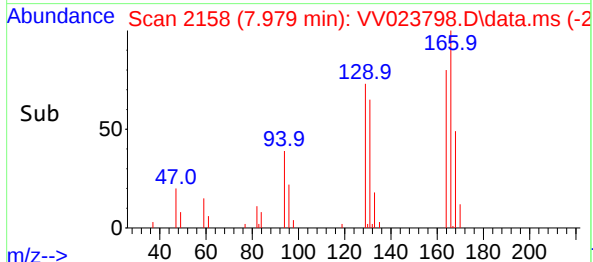
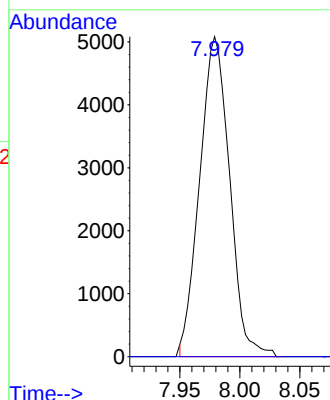
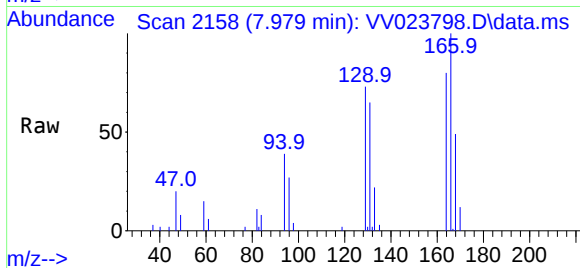
ClientSampleId :

Tgt Ion:129 Resp: 8828

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#52

Ethylbenzene

Concen: 0.116 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.010 min

Lab File: VV023798.D

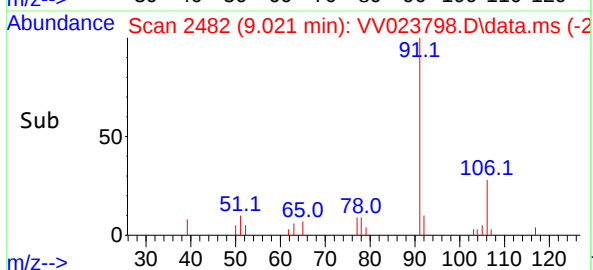
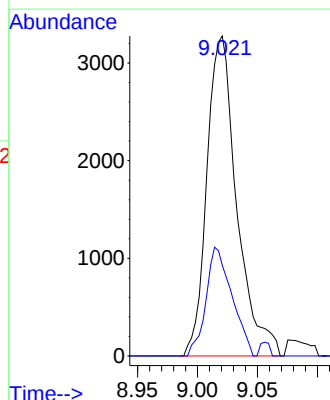
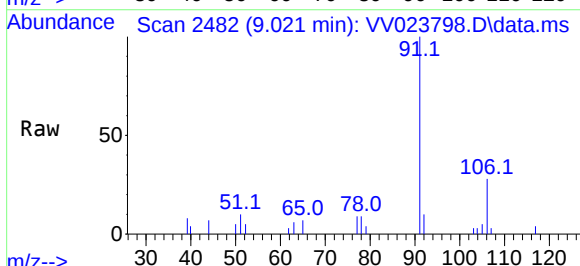
Acq: 06 Dec 2021 15:21

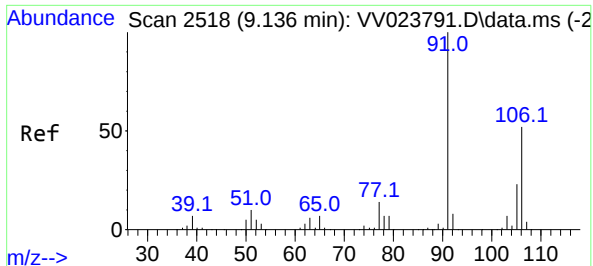
Tgt Ion: 91 Resp: 5689

Ion Ratio Lower Upper

91 100

106 28.3 22.0 41.0

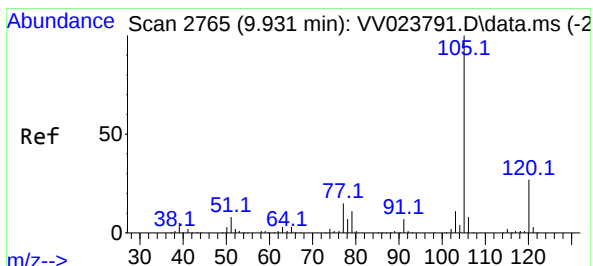
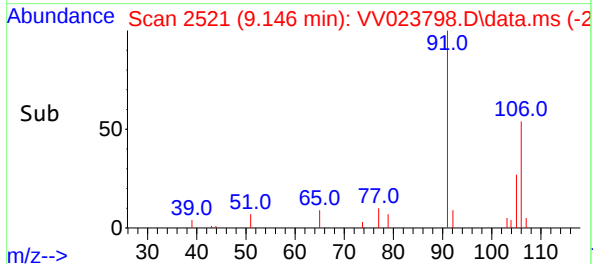
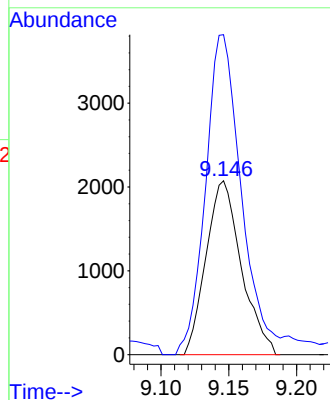
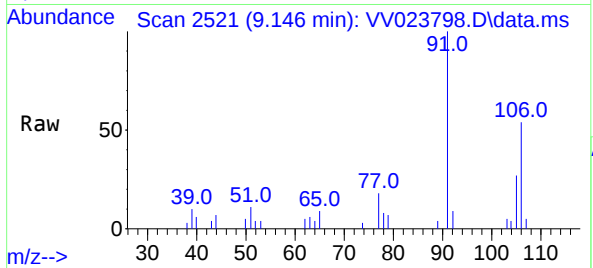




#53  
m,p-xylene  
Concen: 0.192 ug/L  
RT: 9.146 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VV023798.D  
Acq: 06 Dec 2021 15:21

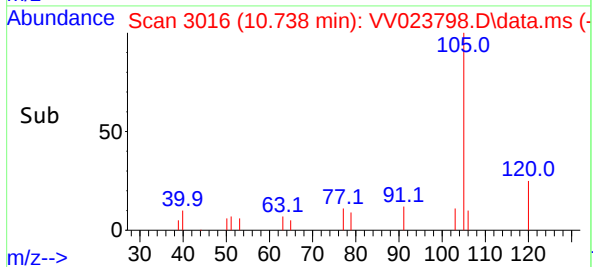
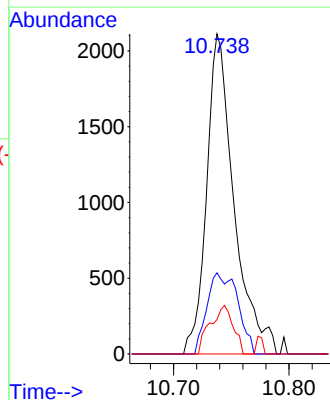
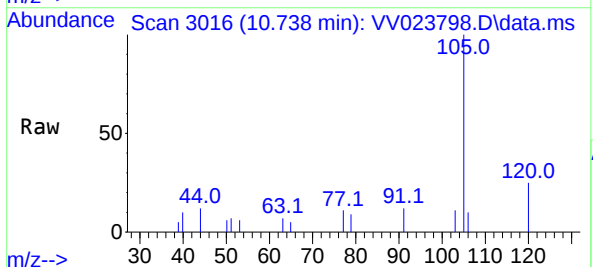
Instrument :  
MSVOA\_V  
ClientSampleId :

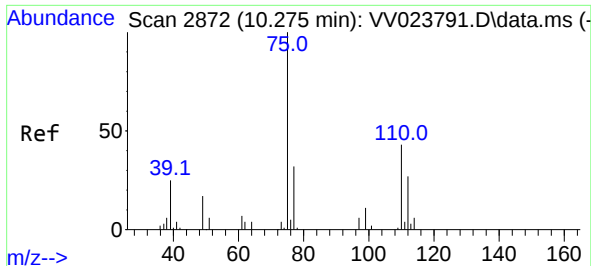
Tgt Ion:106 Resp: 3752  
Ion Ratio Lower Upper  
106 100  
91 184.0 139.5 259.1



#60  
Isopropylbenzene  
Concen: 0.076 ug/L  
RT: 10.738 min Scan# 3016  
Delta R.T. 0.807 min  
Lab File: VV023798.D  
Acq: 06 Dec 2021 15:21

Tgt Ion:105 Resp: 3479  
Ion Ratio Lower Upper  
105 100  
120 28.4 21.4 32.0  
77 12.7 12.2 18.4





#61

1,2,3-Trichloropropane

Concen: 1.444 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV023798.D

Acq: 06 Dec 2021 15:21

Instrument :

MSVOA\_V

ClientSampleId :

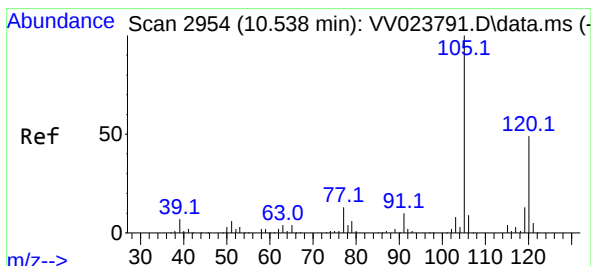
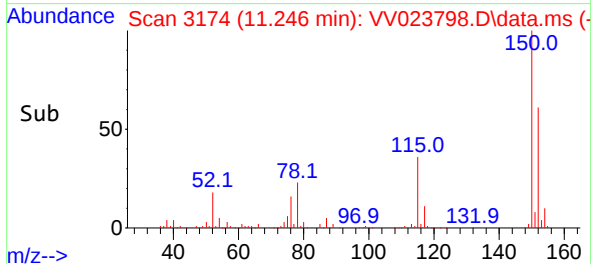
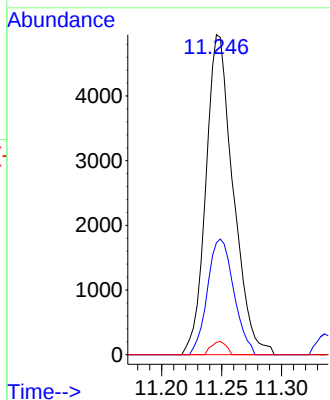
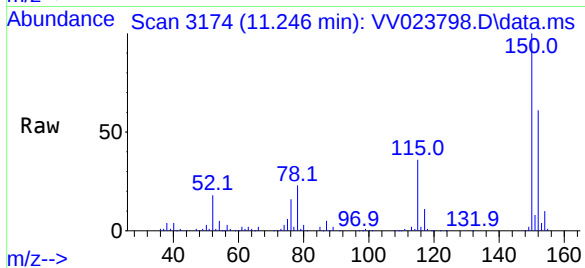
Tgt Ion: 75 Resp: 7830

Ion Ratio Lower Upper

75 100

77 34.8 26.4 39.6

110 2.3 34.2 51.2#



#62

1,3,5-Trimethylbenzene

Concen: 0.077 ug/L

RT: 10.542 min Scan# 2955

Delta R.T. 0.003 min

Lab File: VV023798.D

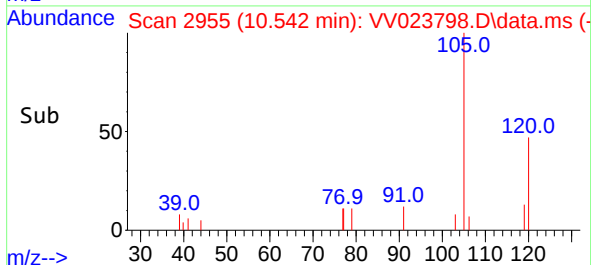
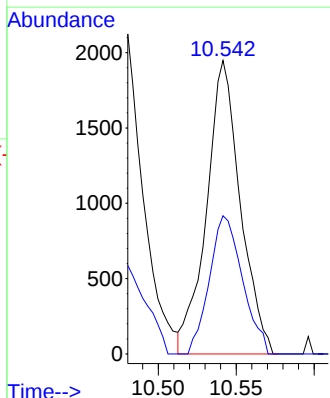
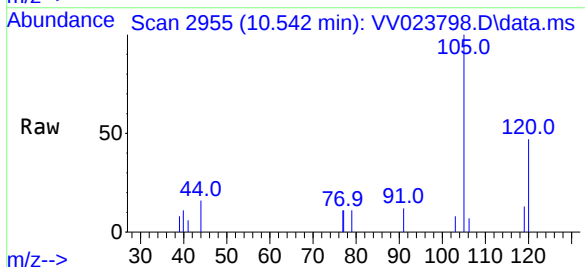
Acq: 06 Dec 2021 15:21

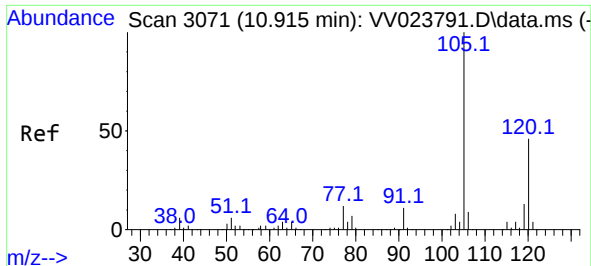
Tgt Ion: 105 Resp: 2937

Ion Ratio Lower Upper

105 100

120 46.1 40.1 60.1

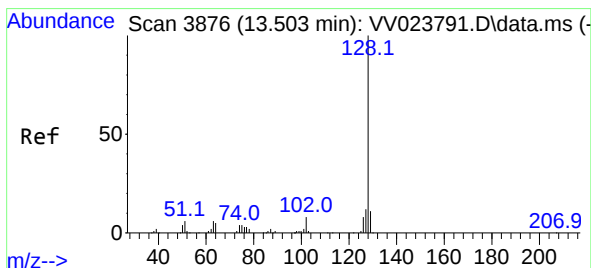
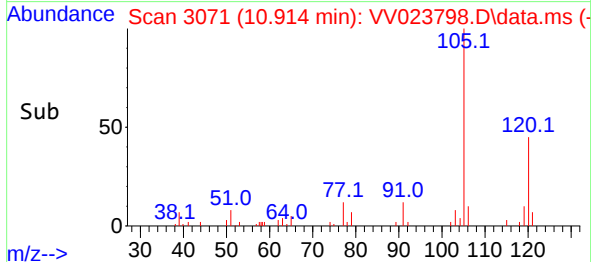
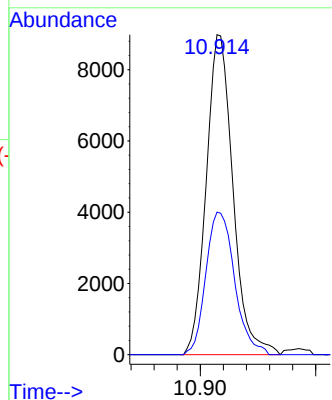
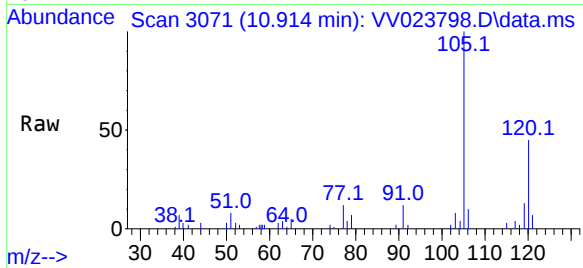




#63  
1,2,4-Trimethylbenzene  
Concen: 0.384 ug/L  
RT: 10.914 min Scan# 3071  
Delta R.T. 0.003 min  
Lab File: VV023798.D  
Acq: 06 Dec 2021 15:21

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:105 Resp: 14439  
Ion Ratio Lower Upper  
105 100  
120 47.9 36.7 55.1



#71  
Naphthalene  
Concen: 0.846 ug/L  
RT: 13.506 min Scan# 3877  
Delta R.T. 0.003 min  
Lab File: VV023798.D  
Acq: 06 Dec 2021 15:21

Tgt Ion:128 Resp: 16104  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.0 13.4  
127 13.3 10.2 15.4

