

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111622\  
 Data File : VW029049.D  
 Acq On : 17 Nov 2022 04:40  
 Operator : SY/MD  
 Sample : N5592-09DL 5X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0AB4DL

Quant Time: Nov 17 05:38:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 17 04:20:13 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 268326   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 243671   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243 | 152   | 113840   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 72034    | 4.403    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 58422    | 4.062    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 98559    | 3.306    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 66.200%  |
| 20) 2-Butanone-d5             | 3.896  | 46    | 148602   | 54.267   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.540% |
| 24) Chloroform-d              | 4.343  | 84    | 157197   | 4.681    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 71608    | 4.739    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.800%  |
| 32) Benzene-d6                | 5.047  | 84    | 330785   | 4.548    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 95133    | 4.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.600%  |
| 41) Toluene-d8                | 7.310  | 98    | 312493   | 4.773    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.400%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 31223    | 4.714    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.200%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 123931   | 43.832   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 87.660%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.211 | 84    | 68068    | 4.834    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.616 | 152   | 109054   | 5.354    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 107.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.240  | 50    | 1199     | 0.065    | ug/L   | 92       |
| 6) Bromomethane               | 1.526  | 94    | 761      | 0.060    | ug/L   | 73       |
| 8) Chloroethane               | 1.307  | 64    | 5203     | 0.418    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 5974     | 0.368    | ug/L # | 1        |
| 16) Methylene chloride        | 2.507  | 84    | 23407    | 1.114    | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 2.773  | 73    | 4385     | 0.126    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 1620     | 0.053    | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 4681     | 0.244    | ug/L   | 100      |
| 25) Chloroform                | 4.375  | 83    | 2792     | 0.086    | ug/L   | 94       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97    | 507      | 0.018    | ug/L # | 29       |
| 34) Trichloroethene           | 5.912  | 95    | 48513    | 2.545    | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.066  | 83    | 23397    | 0.698    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.063  | 63    | 9755     | 0.568    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 6.986  | 75    | 2219     | 0.093    | ug/L # | 64       |
| 47) Tetrachloroethene         | 7.969  | 164   | 94906    | 6.218    | ug/L   | 97       |
| 49) Dibromochloromethane      | 7.969  | 129   | 82088    | 6.040    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.243 | 75    | 11259    | 1.447    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111622\  
Data File : VV029049.D  
Acq On : 17 Nov 2022 04:40  
Operator : SY/MD  
Sample : N5592-09DL 5X  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AB4DL

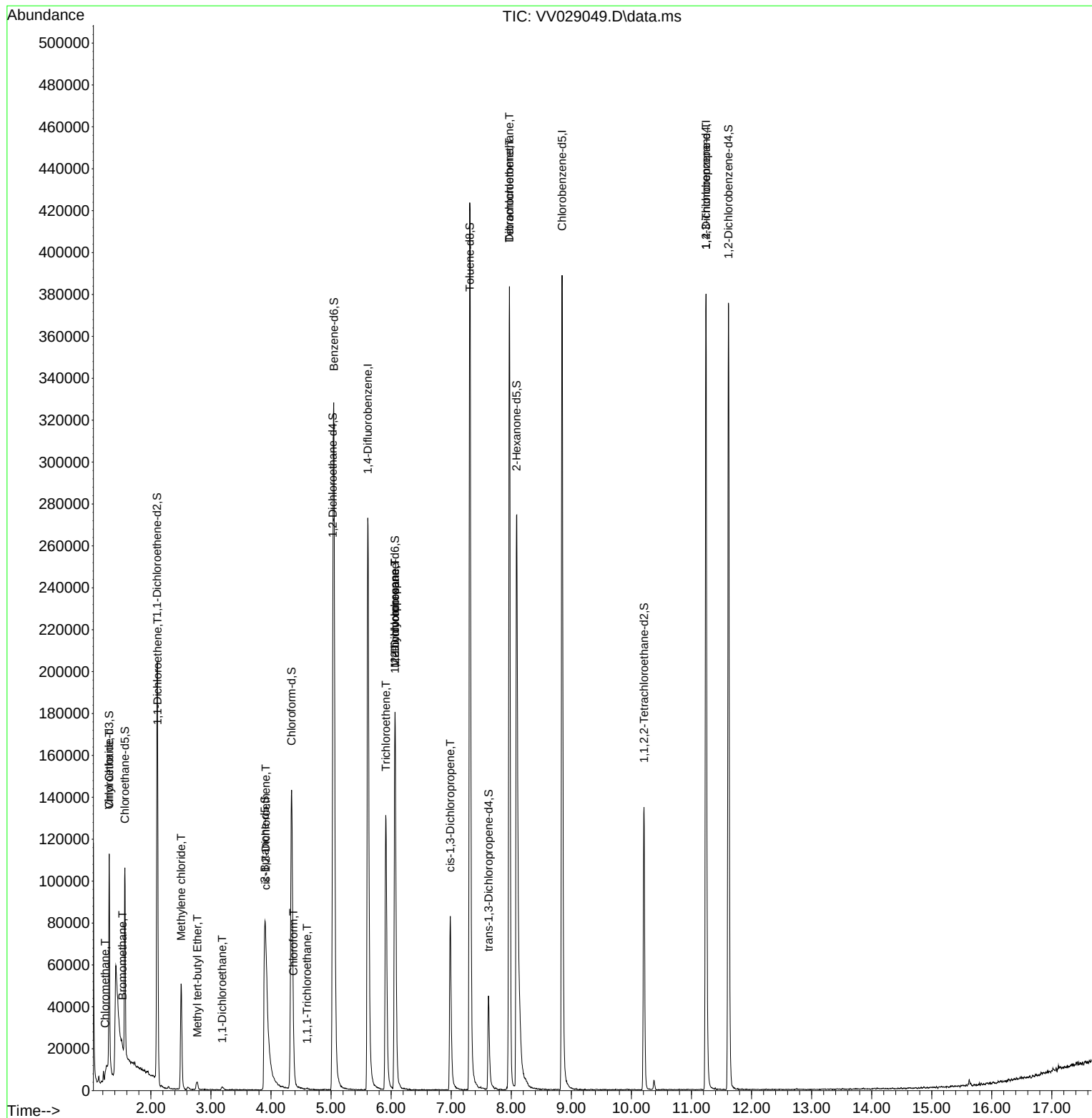
Quant Time: Nov 17 05:38:13 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 17 04:20:13 2022  
Response via : Initial Calibration

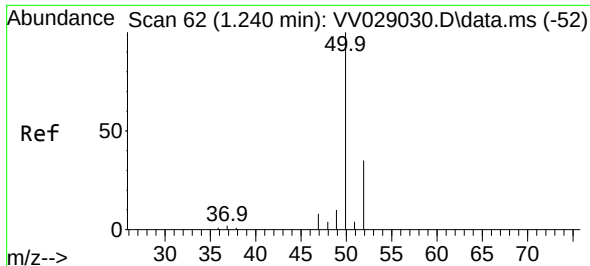
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111622\  
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Response via : Initial Calibration

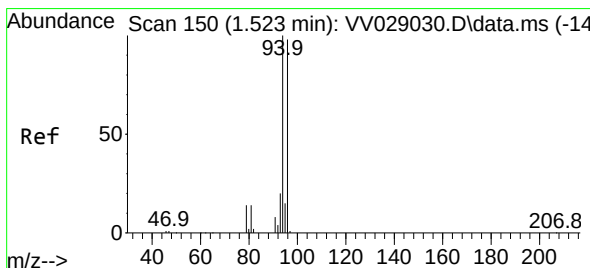
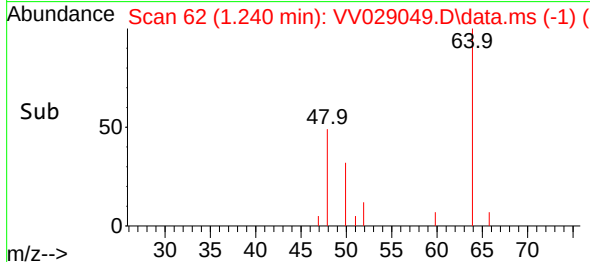
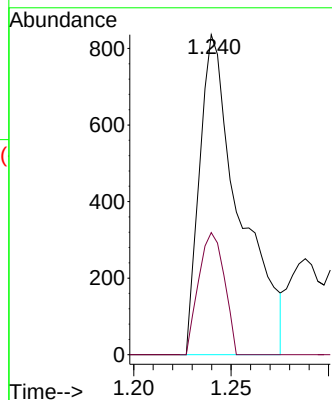
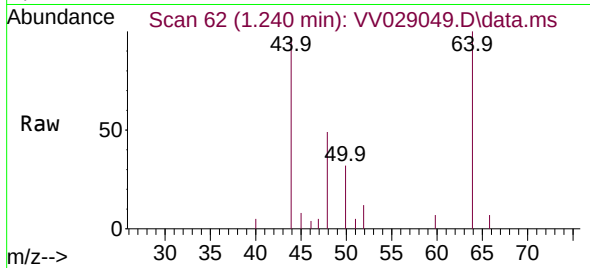




#3  
Chloromethane  
Concen: 0.065 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

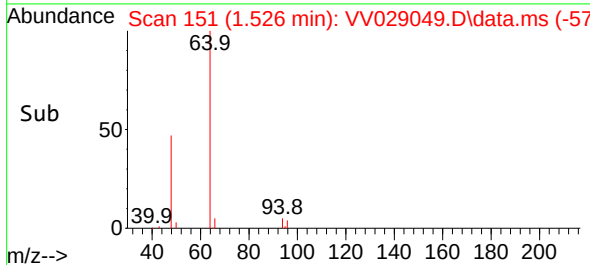
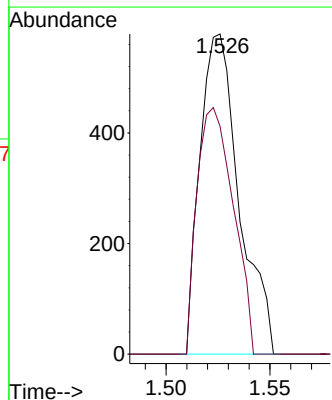
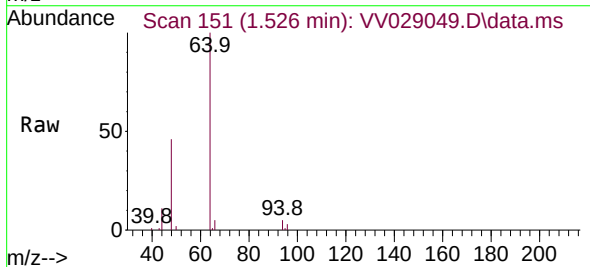
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AB4DL

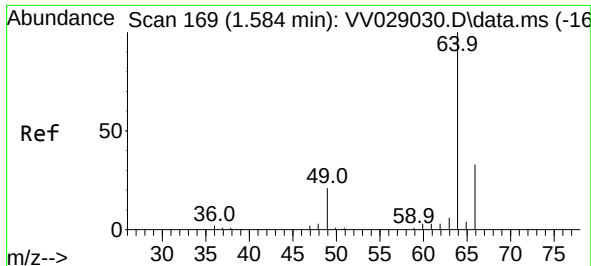
Tgt Ion: 50 Resp: 1199  
Ion Ratio Lower Upper  
50 100  
52 38.2 23.7 43.9



#6  
Bromomethane  
Concen: 0.060 ug/L  
RT: 1.526 min Scan# 151  
Delta R.T. 0.003 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

Tgt Ion: 94 Resp: 761  
Ion Ratio Lower Upper  
94 100  
96 71.2 68.5 127.3

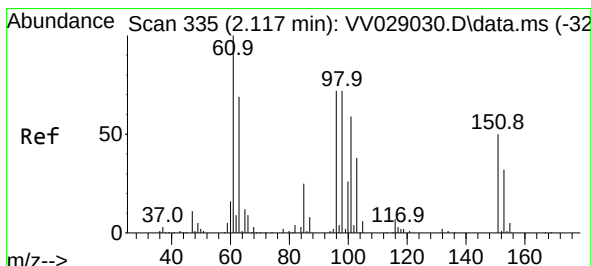
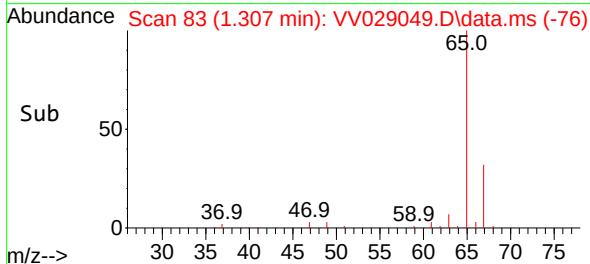
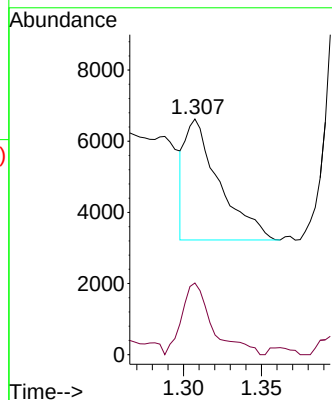
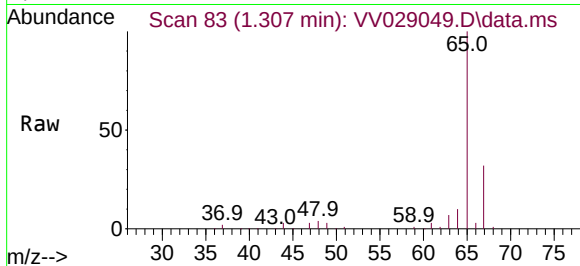




#8  
Chloroethane  
Concen: 0.418 ug/L  
RT: 1.307 min Scan# 81  
Delta R.T. -0.276 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

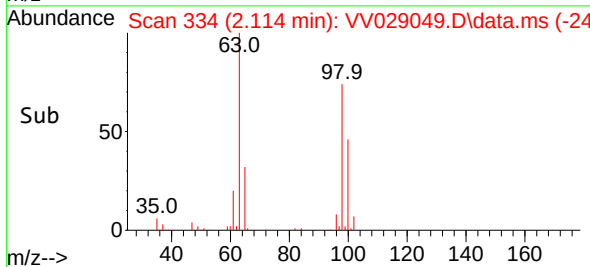
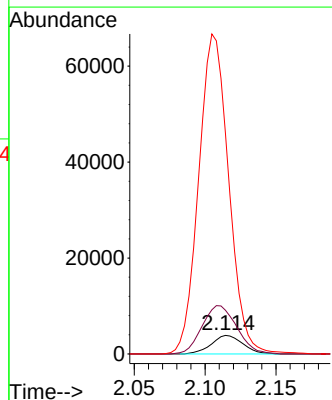
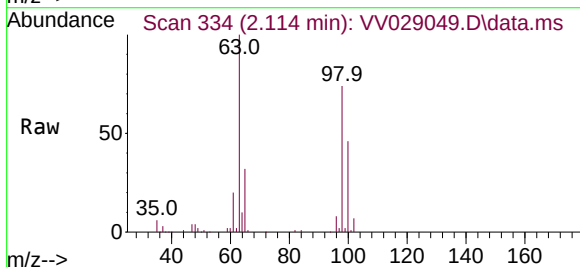
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AB4DL

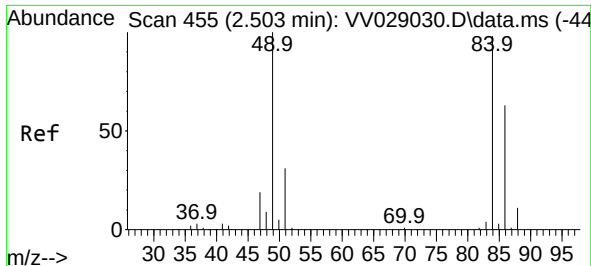
Tgt Ion: 64 Resp: 5203  
Ion Ratio Lower Upper  
64 100  
66 30.4 22.0 40.8



#12  
1,1-Dichloroethene  
Concen: 0.368 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.003 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

Tgt Ion: 96 Resp: 5974  
Ion Ratio Lower Upper  
96 100  
61 235.1 104.2 193.4#  
63 1183.2 75.9 140.9#

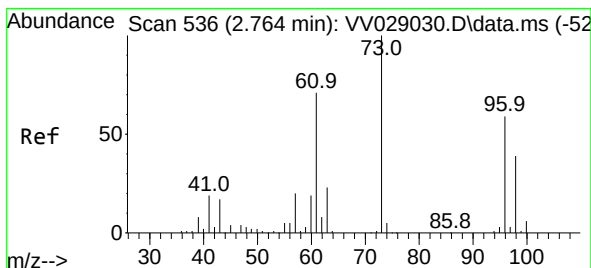
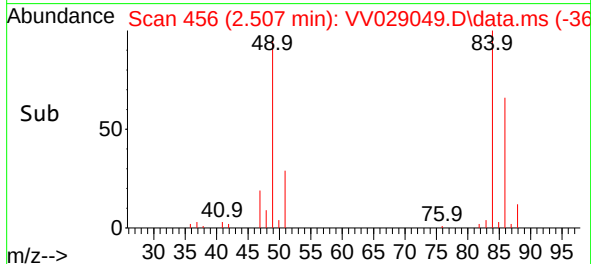
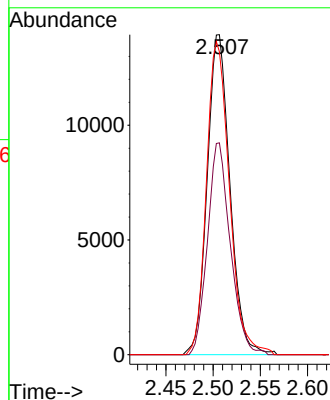
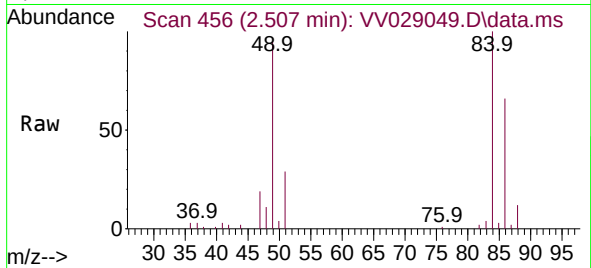




#16  
Methylene chloride  
Concen: 1.114 ug/L  
RT: 2.507 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

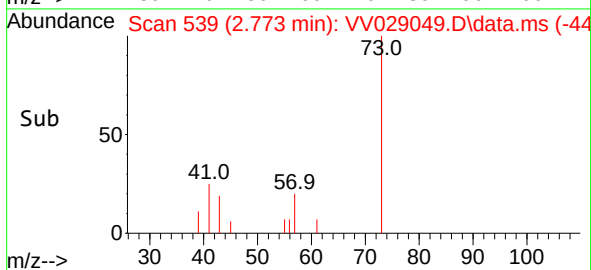
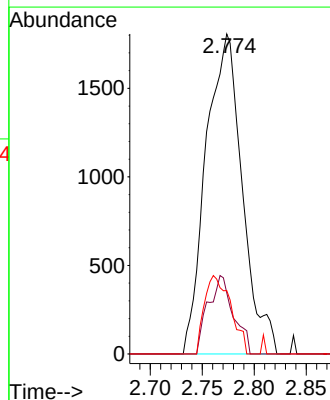
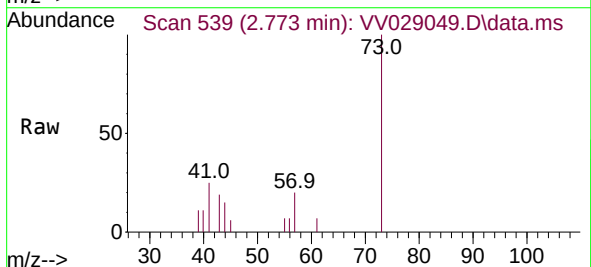
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AB4DL

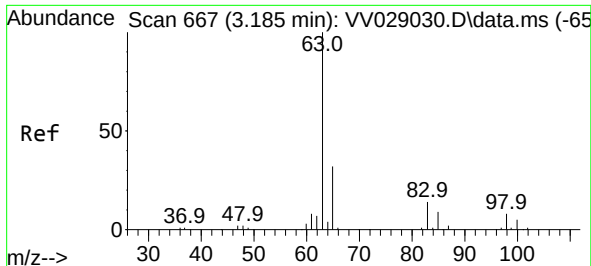
Tgt Ion: 84 Resp: 23407  
Ion Ratio Lower Upper  
84 100  
86 66.2 45.8 85.0  
49 94.7 75.5 140.1



#17  
Methyl tert-butyl Ether  
Concen: 0.126 ug/L  
RT: 2.773 min Scan# 539  
Delta R.T. 0.010 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

Tgt Ion: 73 Resp: 4385  
Ion Ratio Lower Upper  
73 100  
43 17.1 13.0 19.4  
57 17.7 16.6 24.8





#19

1,1-Dichloroethane

Concen: 0.053 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029049.D

Acq: 17 Nov 2022 04:40

Instrument :

MSVOA\_V

ClientSampleId :

H0AB4DL

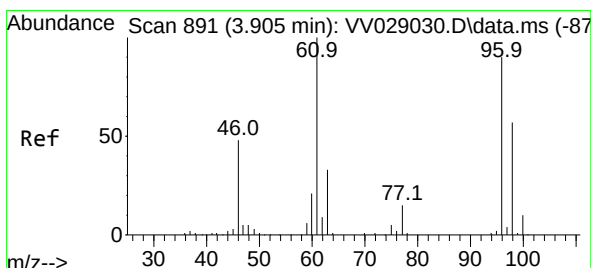
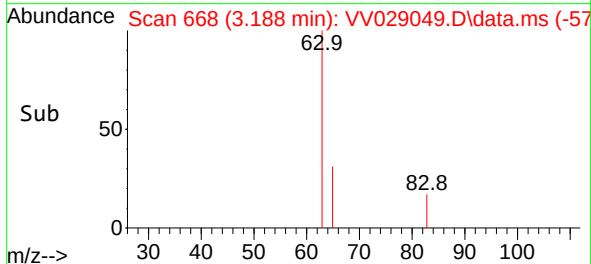
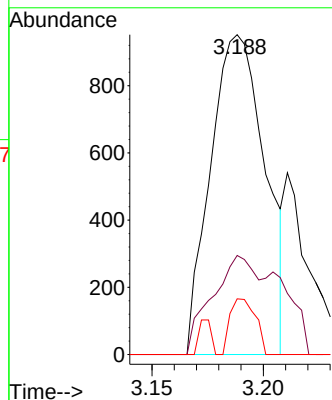
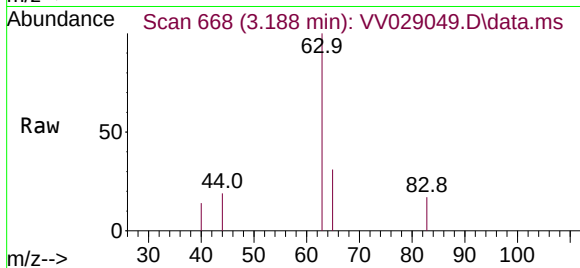
Tgt Ion: 63 Resp: 1620

Ion Ratio Lower Upper

63 100

65 31.0 23.0 42.6

83 17.4 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 0.244 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.007 min

Lab File: VV029049.D

Acq: 17 Nov 2022 04:40

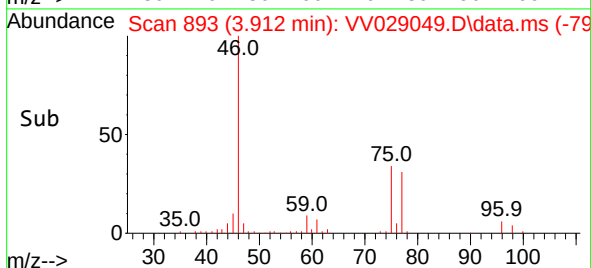
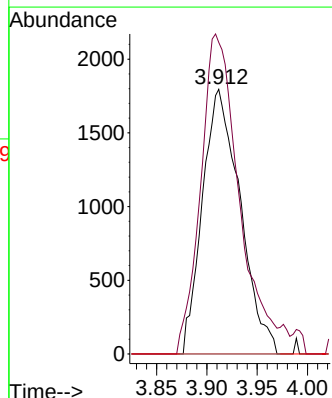
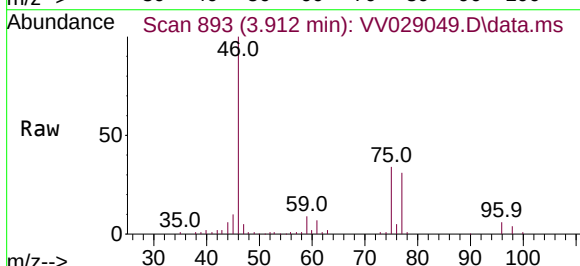
Tgt Ion: 96 Resp: 4681

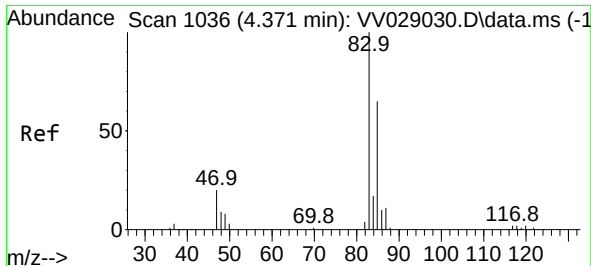
Ion Ratio Lower Upper

96 100

61 117.7 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.086 ug/L

RT: 4.375 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029049.D

Acq: 17 Nov 2022 04:40

Instrument :

MSVOA\_V

ClientSampleId :

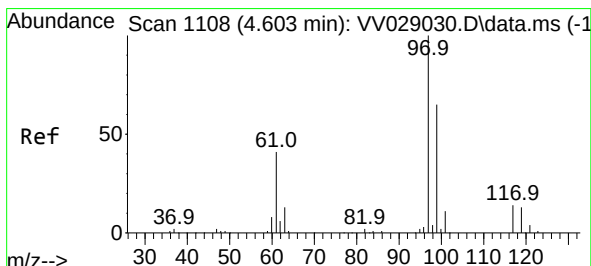
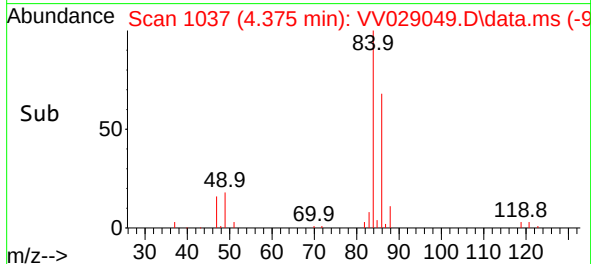
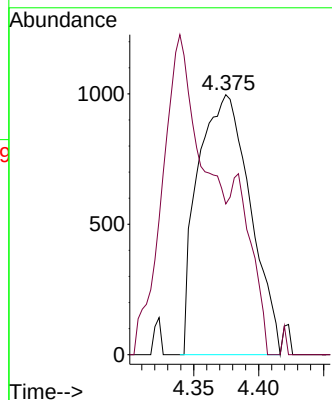
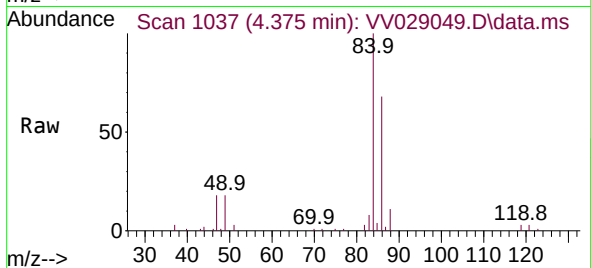
H0AB4DL

Tgt Ion: 83 Resp: 2792

Ion Ratio Lower Upper

83 100

85 58.0 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.018 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV029049.D

Acq: 17 Nov 2022 04:40

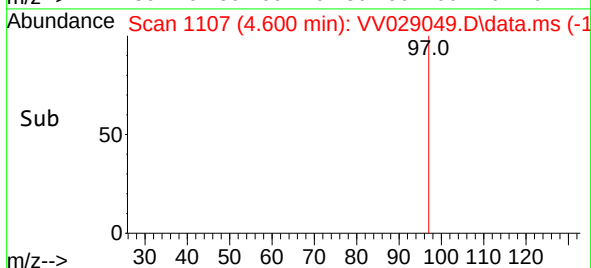
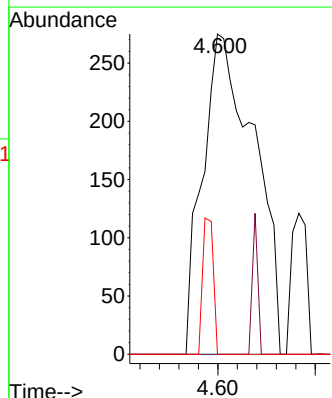
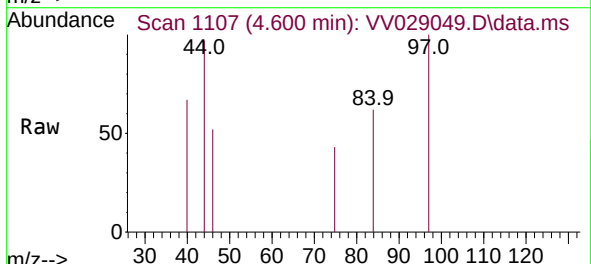
Tgt Ion: 97 Resp: 507

Ion Ratio Lower Upper

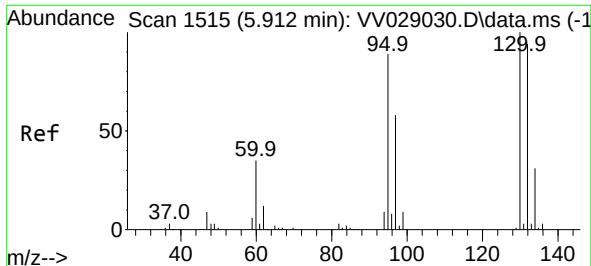
97 100

99 0.0 52.7 79.1#

61 8.9 33.8 50.6#



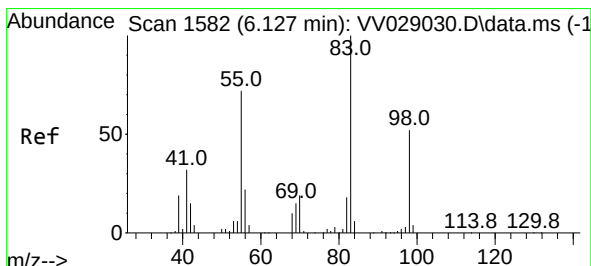
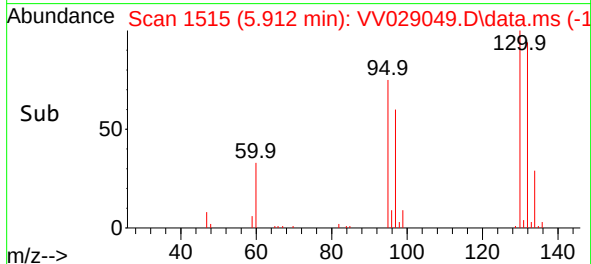
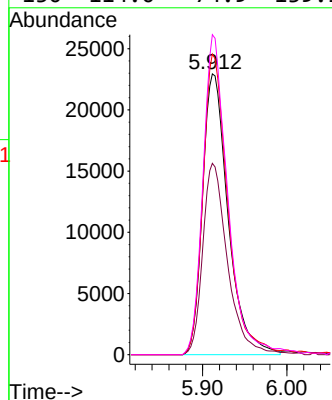
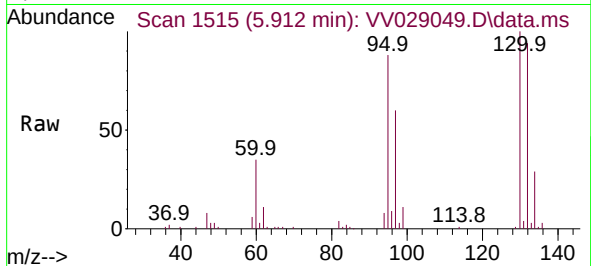




#34  
Trichloroethene  
Concen: 2.545 ug/L  
RT: 5.912 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

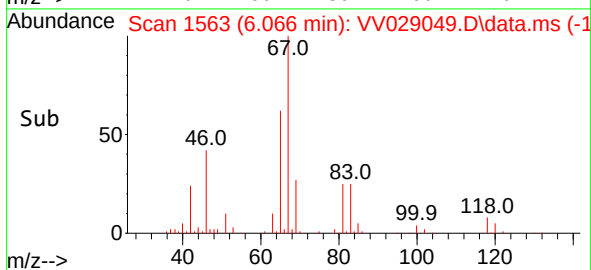
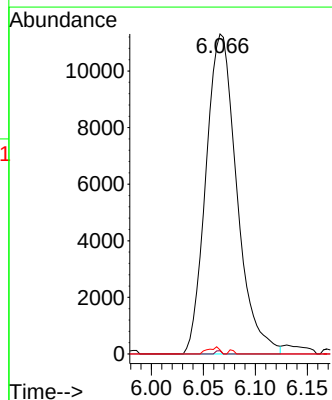
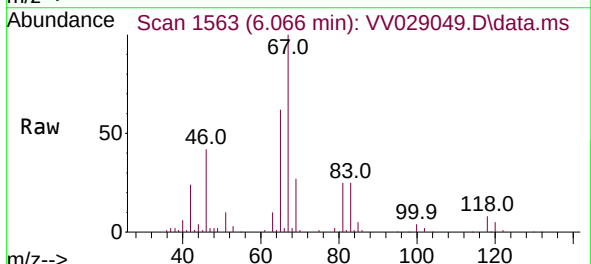
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AB4DL

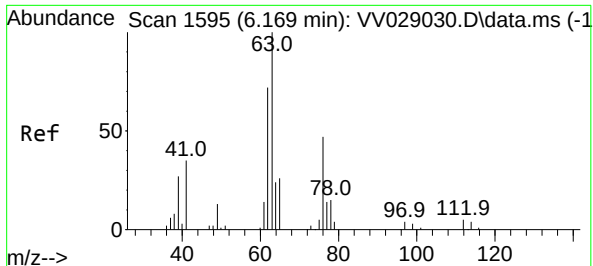
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 48513 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 68.2  | 45.6  | 84.8  |
| 132      | 107.1 | 69.1  | 128.3 |
| 130      | 114.0 | 74.9  | 139.1 |



#35  
Methylcyclohexane  
Concen: 0.698 ug/L  
RT: 6.066 min Scan# 1563  
Delta R.T. -0.061 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 23397 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.2   | 55.8  | 83.6# |
| 98       | 0.8   | 38.2  | 57.2# |





#37

1,2-Dichloropropane

Concen: 0.568 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV029049.D

Acq: 17 Nov 2022 04:40

Instrument :

MSVOA\_V

ClientSampleId :

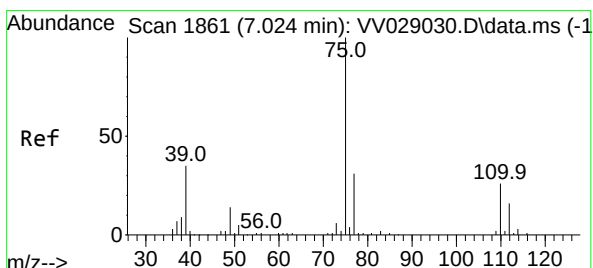
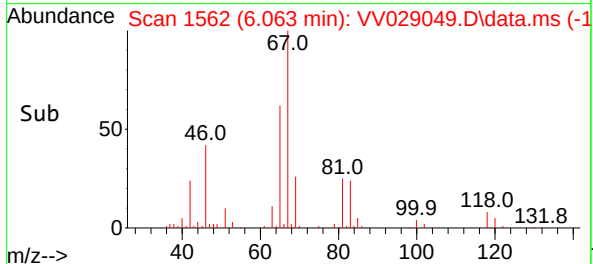
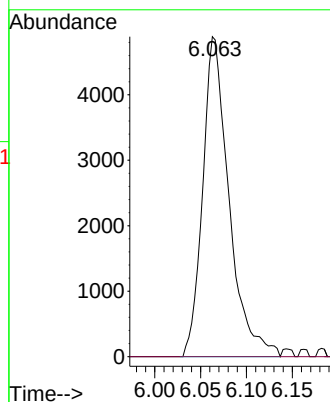
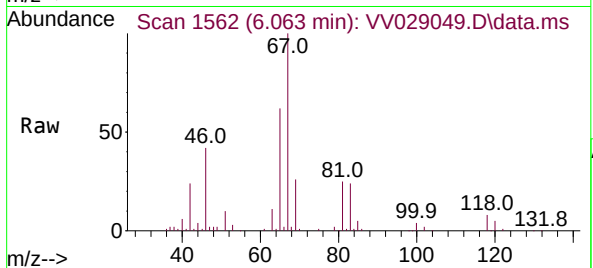
H0AB4DL

Tgt Ion: 63 Resp: 9755

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.986 min Scan# 1849

Delta R.T. -0.038 min

Lab File: VV029049.D

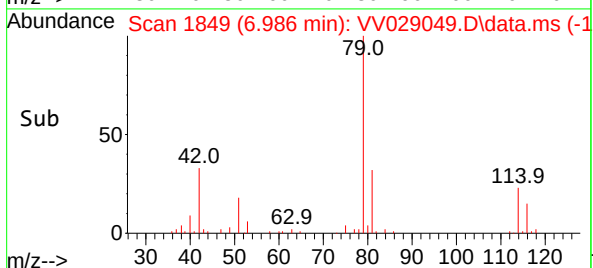
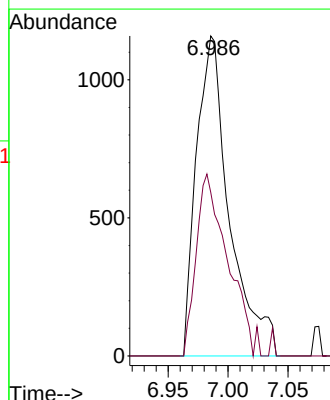
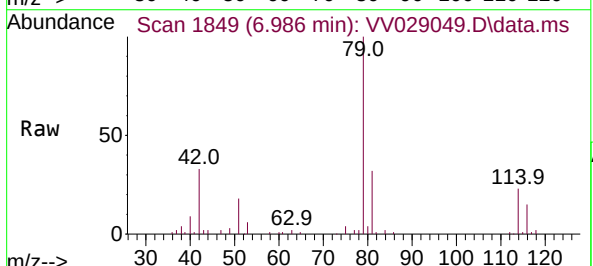
Acq: 17 Nov 2022 04:40

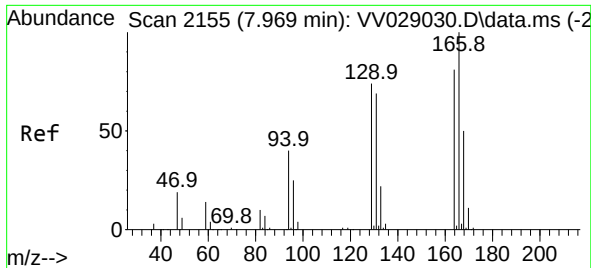
Tgt Ion: 75 Resp: 2219

Ion Ratio Lower Upper

75 100

77 51.1 21.8 40.6#

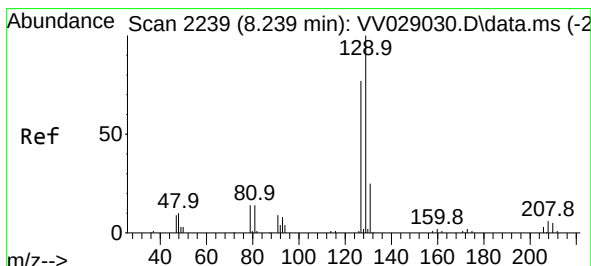
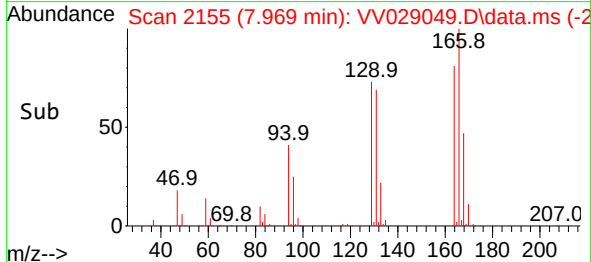
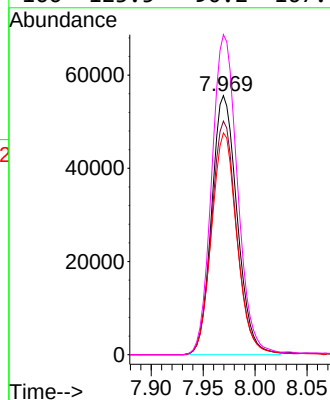
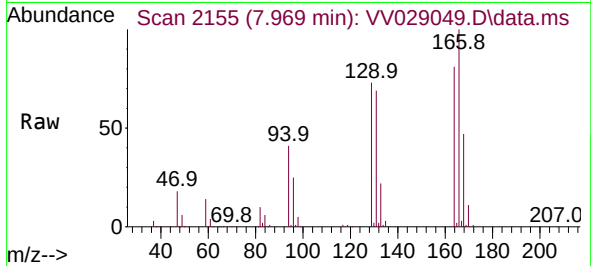




#47  
Tetrachloroethene  
Concen: 6.218 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. 0.000 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

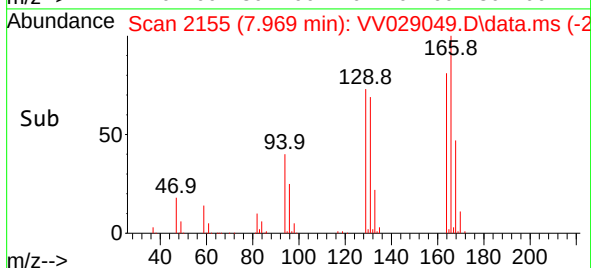
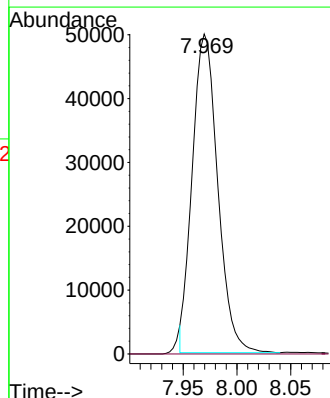
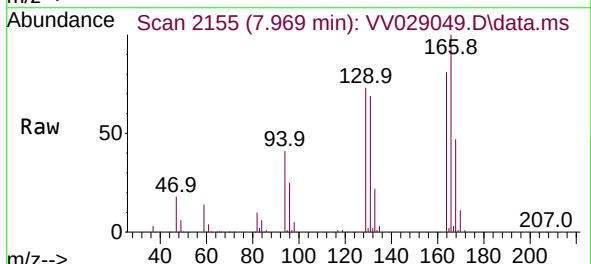
Instrument :  
MSVOA\_V  
ClientSampleId :  
H0AB4DL

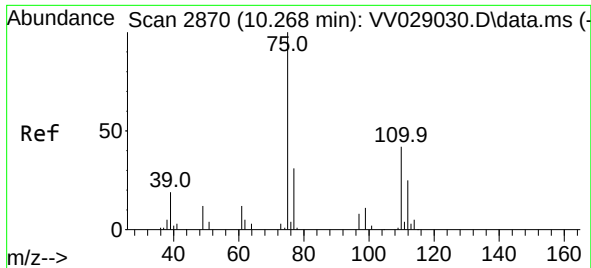
Tgt Ion:164 Resp: 94906  
Ion Ratio Lower Upper  
164 100  
129 90.2 63.9 118.7  
131 85.6 61.8 114.8  
166 123.5 90.2 167.4



#49  
Dibromochloromethane  
Concen: 6.040 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. -0.270 min  
Lab File: VV029049.D  
Acq: 17 Nov 2022 04:40

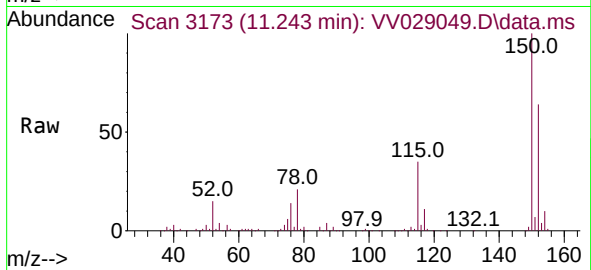
Tgt Ion:129 Resp: 82088  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.5 101.1#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.447 ug/L  
 RT: 11.243 min Scan# 31  
 Delta R.T. 0.974 min  
 Lab File: VV029049.D  
 Acq: 17 Nov 2022 04:40

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0AB4DL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11259 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 32.6  | 26.2  | 39.2  |
| 110      | 2.4   | 32.6  | 48.8# |

