

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011323\  
 Data File : VW029806.D  
 Acq On : 13 Jan 2023 14:18  
 Operator : SY/MD  
 Sample : 01136-17  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1W0

Quant Time: Jan 13 22:51:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 12 22:05:54 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114   | 204556   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 198613   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.236 | 152   | 108409   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 74110    | 4.777    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.600%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 64383    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.200% |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 98200    | 3.472    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.400%  |
| 20) 2-Butanone-d5             | 3.908  | 46    | 118258   | 43.003   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 86.000%  |
| 24) Chloroform-d              | 4.339  | 84    | 141294   | 4.964    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 61318    | 5.087    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.800% |
| 32) Benzene-d6                | 5.040  | 84    | 296957   | 5.040    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.800% |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 90725    | 5.262    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.200% |
| 41) Toluene-d8                | 7.307  | 98    | 258177   | 4.733    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.600%  |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 28973    | 4.601    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.000%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 119647   | 46.670   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.204 | 84    | 65890    | 5.215    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 100630   | 5.106    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.200% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.237  | 50    | 1518     | 0.076    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.307  | 62    | 5344     | 0.272    | ug/L # | 79       |
| 8) Chloroethane               | 1.581  | 64    | 1005     | 0.084    | ug/L   | 94       |
| 13) Acetone                   | 2.192  | 43    | 10206    | 5.200    | ug/L   | 80       |
| 14) Carbon disulfide          | 2.291  | 76    | 6636     | 0.132    | ug/L # | 94       |
| 15) Methyl Acetate            | 2.442  | 43    | 15935    | 3.117    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 10466    | 0.347    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96    | 865      | 0.053    | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 6782     | 0.392    | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.037  | 62    | 1279     | 0.089    | ug/L # | 71       |
| 35) Methylcyclohexane         | 6.063  | 83    | 22168    | 0.789    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.060  | 63    | 8875     | 0.577    | ug/L # | 85       |
| 39) cis-1,3-Dichloropropene   | 6.986  | 75    | 2055     | 0.100    | ug/L # | 58       |
| 53) m,p-Xylene                | 9.127  | 106   | 2793     | 0.095    | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 11.236 | 75    | 11596    | 1.445    | ug/L # | 66       |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105   | 3450     | 0.058    | ug/L   | 96       |
| 71) Naphthalene               | 13.493 | 128   | 1651     | 0.058    | ug/L # | 78       |
| -----                         |        |       |          |          |        |          |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011323\  
Data File : VV029806.D  
Acq On : 13 Jan 2023 14:18  
Operator : SY/MD  
Sample : 01136-17  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W0

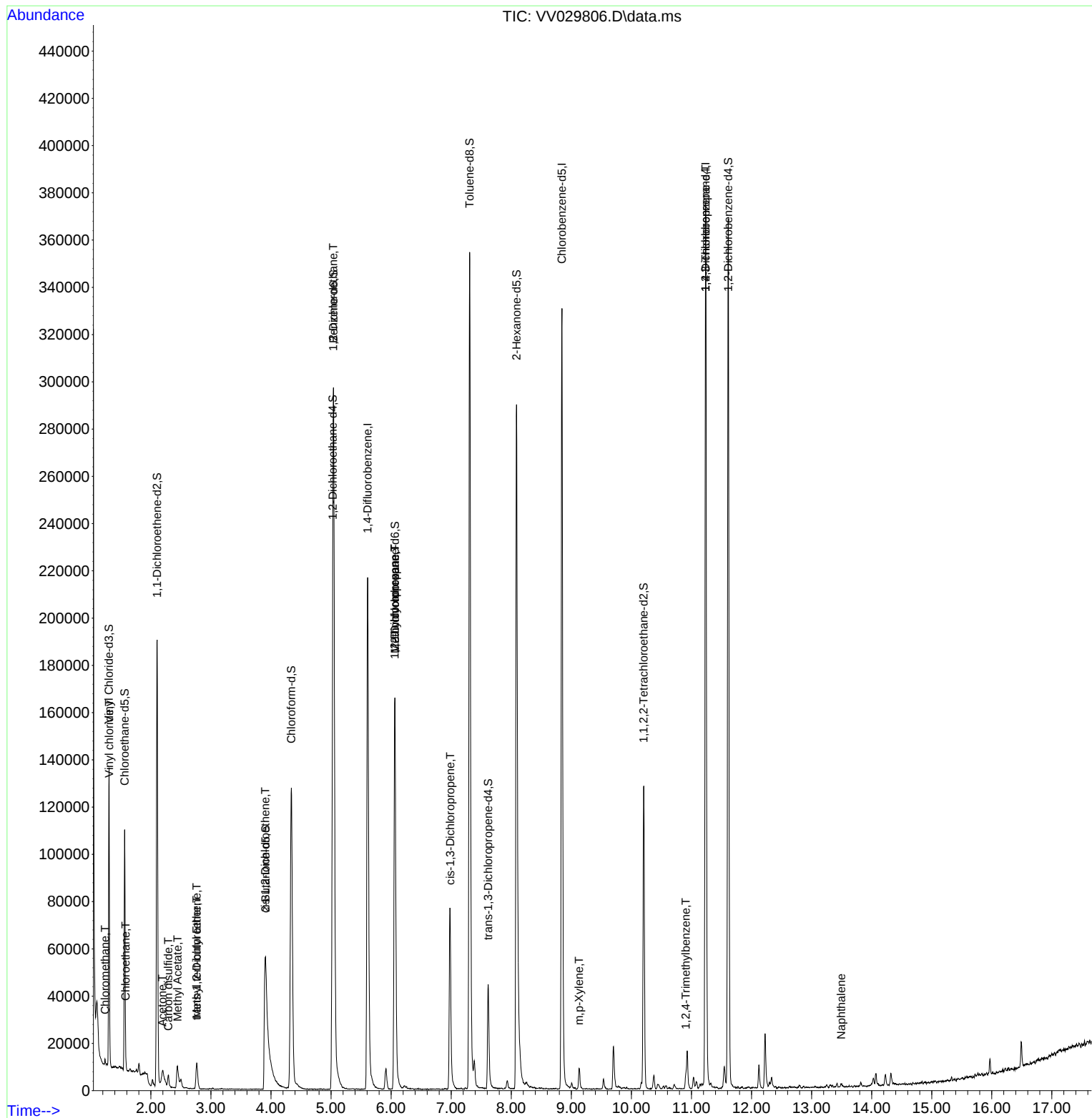
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 12 22:05:54 2023  
Response via : Initial Calibration

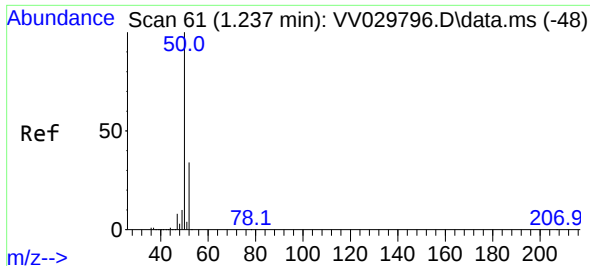
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                             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

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Quant Title : TRACE VOA SFAM1.0  
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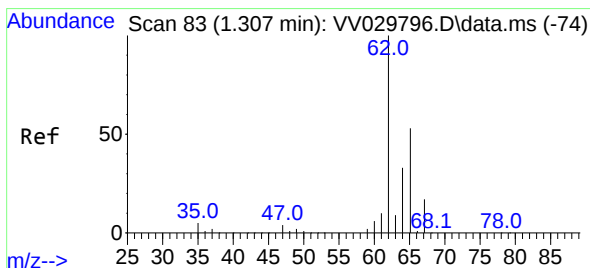
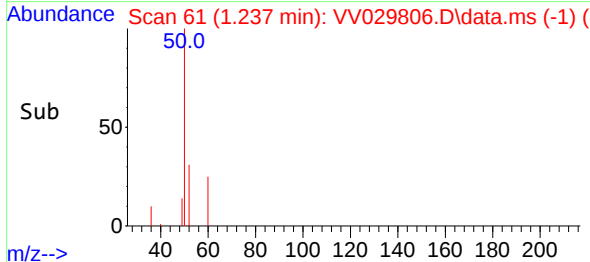
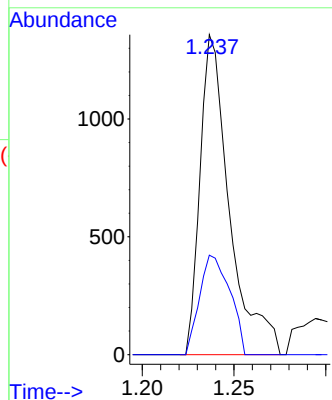
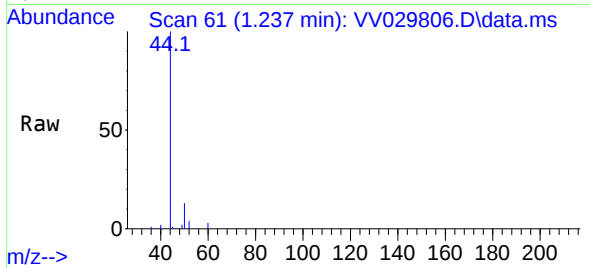




#3  
Chloromethane  
Concen: 0.076 ug/L  
RT: 1.237 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

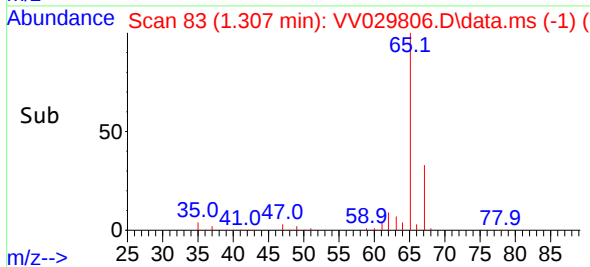
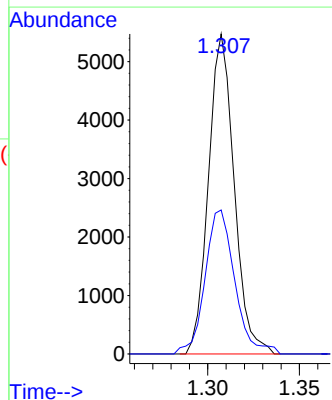
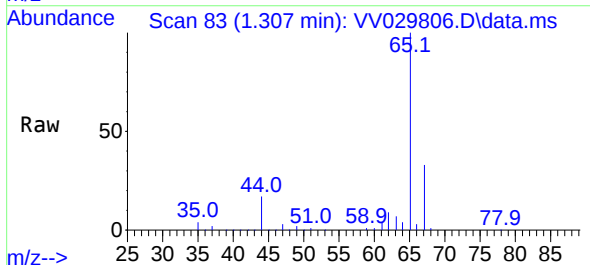
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W0

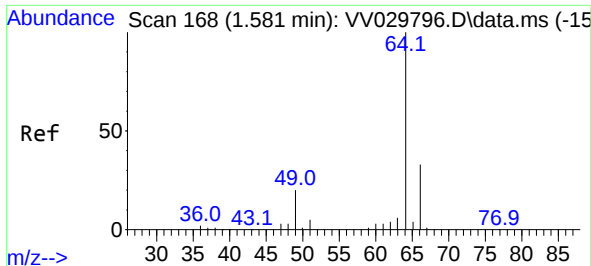
Tgt Ion: 50 Resp: 1518  
Ion Ratio Lower Upper  
50 100  
52 31.1 23.1 42.9



#5  
Vinyl chloride  
Concen: 0.272 ug/L  
RT: 1.307 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

Tgt Ion: 62 Resp: 5344  
Ion Ratio Lower Upper  
62 100  
64 45.0 23.2 43.2#

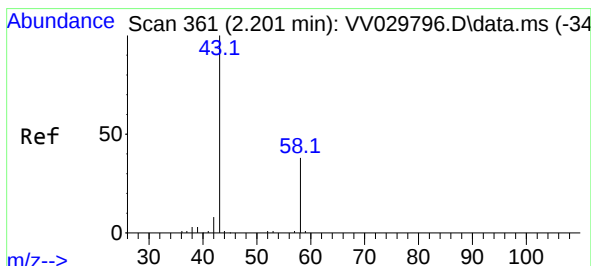
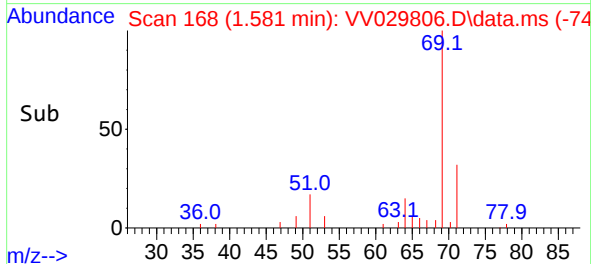
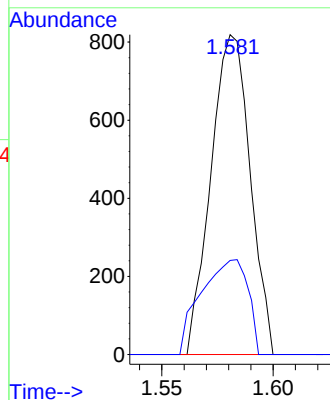
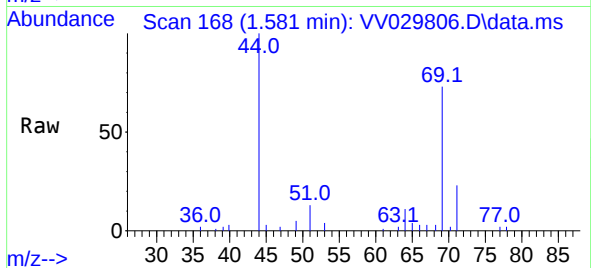




#8  
Chloroethane  
Concen: 0.084 ug/L  
RT: 1.581 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

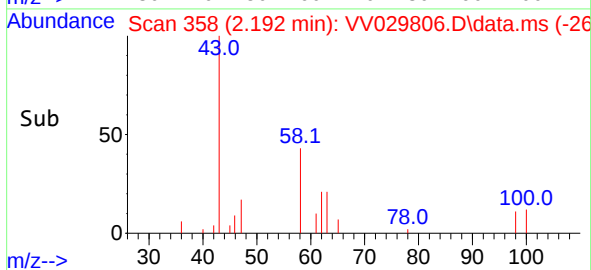
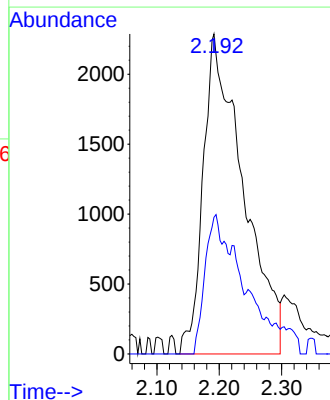
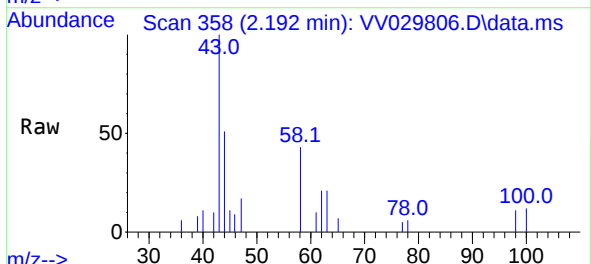
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W0

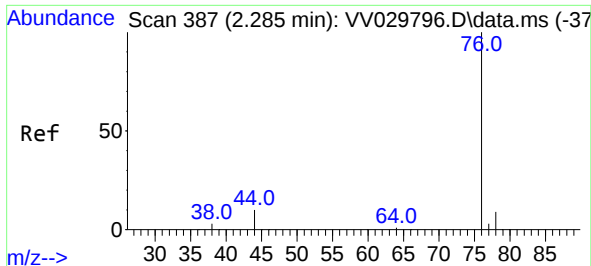
Tgt Ion: 64 Resp: 1005  
Ion Ratio Lower Upper  
64 100  
66 29.4 22.9 42.5



#13  
Acetone  
Concen: 5.200 ug/L  
RT: 2.192 min Scan# 358  
Delta R.T. -0.006 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

Tgt Ion: 43 Resp: 10206  
Ion Ratio Lower Upper  
43 100  
58 23.1 0.0 68.8

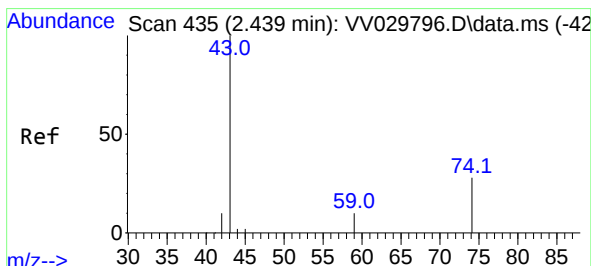
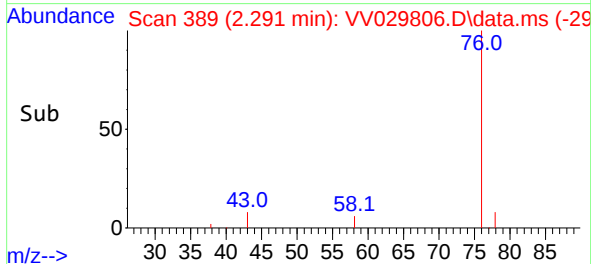
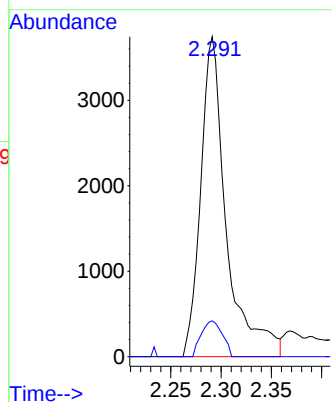
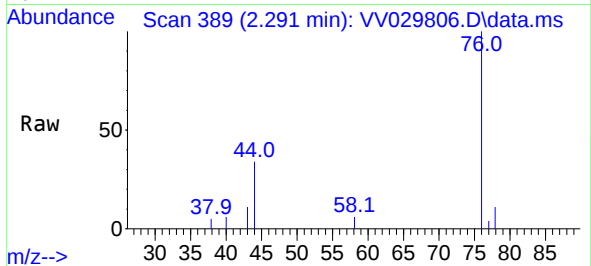




#14  
Carbon disulfide  
Concen: 0.132 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.006 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

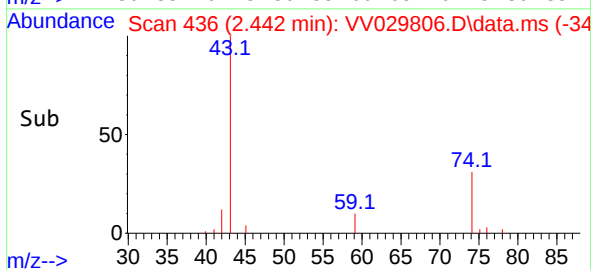
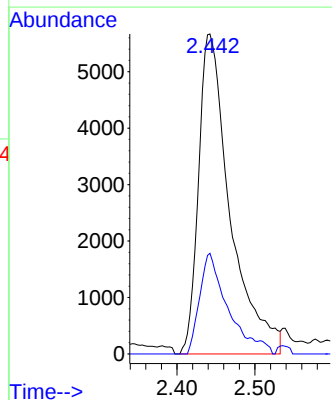
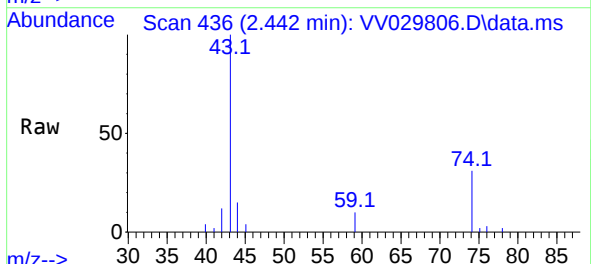
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W0

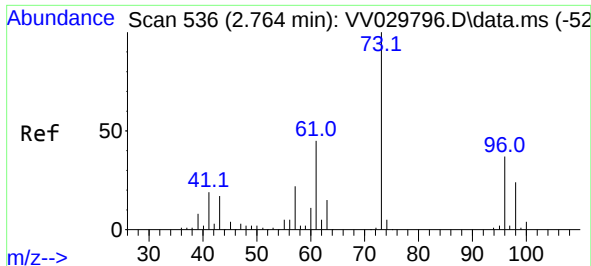
Tgt Ion: 76 Resp: 6636  
Ion Ratio Lower Upper  
76 100  
78 11.2 7.4 11.0#



#15  
Methyl Acetate  
Concen: 3.117 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

Tgt Ion: 43 Resp: 15935  
Ion Ratio Lower Upper  
43 100  
74 28.3 23.4 35.0

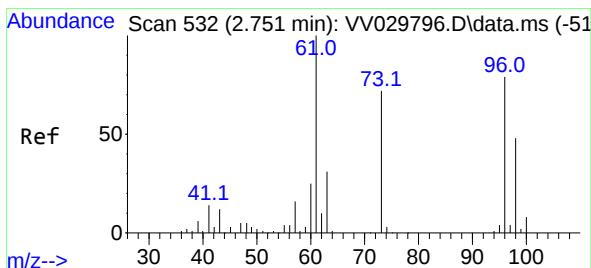
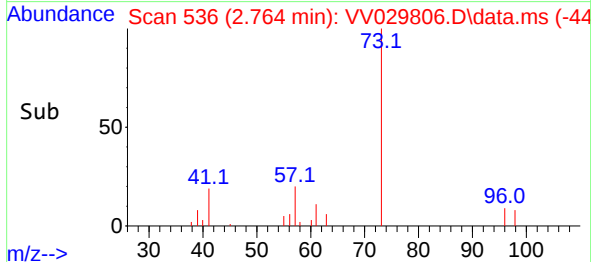
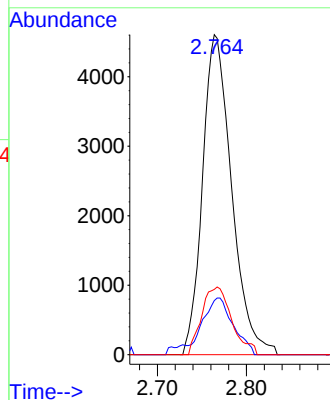
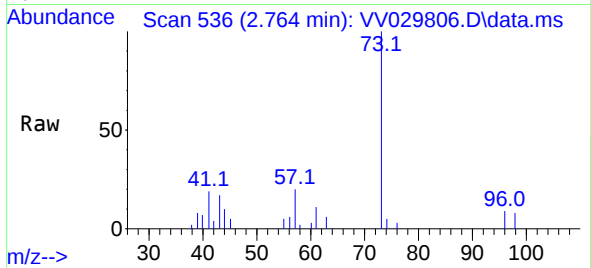




#17  
Methyl tert-butyl Ether  
Concen: 0.347 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

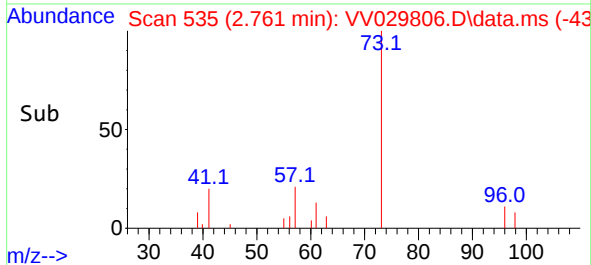
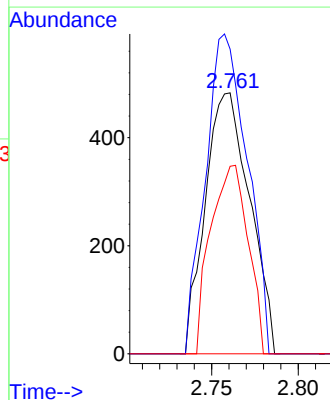
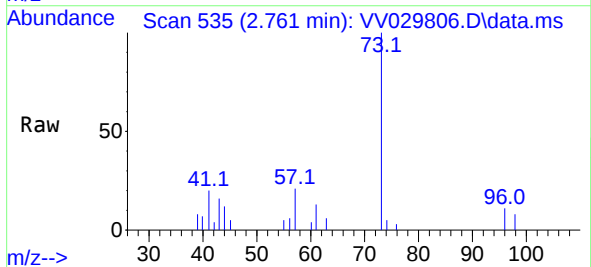
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W0

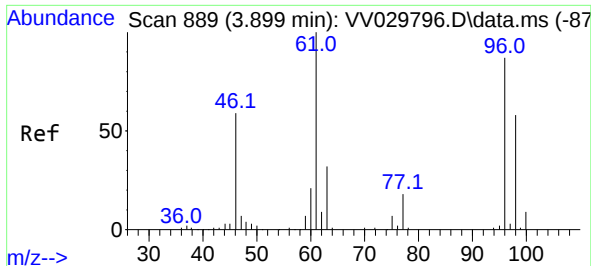
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 73 | Resp: | 10466       |
| Ion         | Ratio | Lower Upper |
| 73          | 100   |             |
| 43          | 18.3  | 13.0 19.4   |
| 57          | 21.8  | 17.1 25.7   |



#18  
trans-1,2-Dichloroethene  
Concen: 0.053 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.010 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 865         |
| Ion         | Ratio | Lower Upper |
| 96          | 100   |             |
| 61          | 116.8 | 86.1 159.9  |
| 98          | 71.8  | 43.9 81.5   |



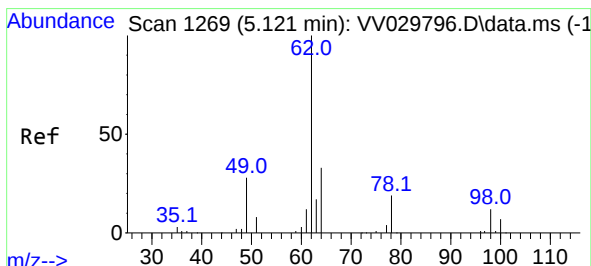
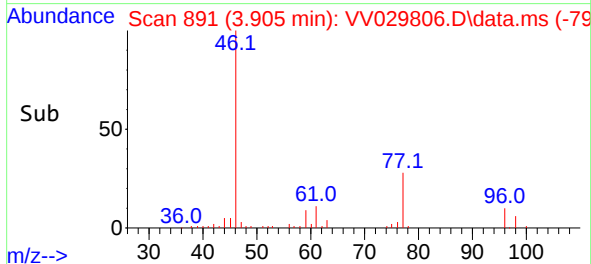
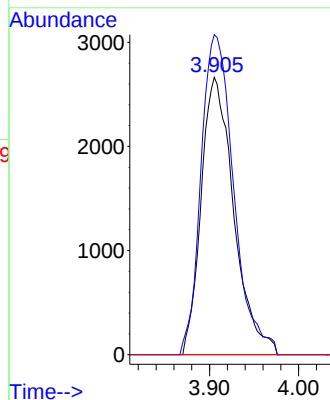
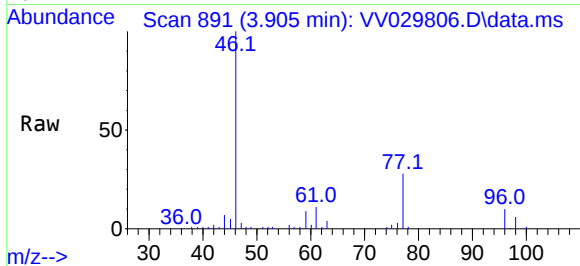


#22  
 cis-1,2-Dichloroethene  
 Concen: 0.392 ug/L  
 RT: 3.905 min Scan# 891  
 Delta R.T. 0.006 min  
 Lab File: VV029806.D  
 Acq: 13 Jan 2023 14:18

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1W0

Tgt Ion: 96 Resp: 6782

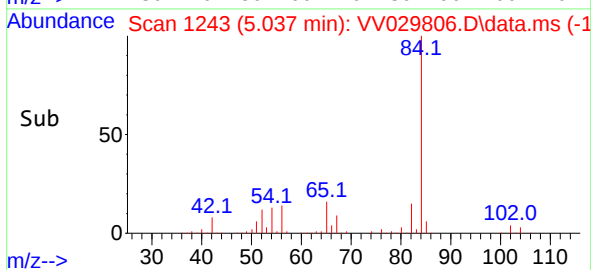
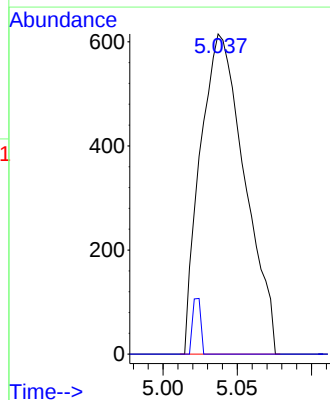
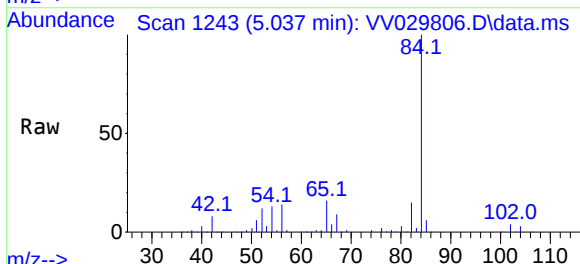
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.3 | 80.0  | 148.6 |
| 68  | 0.0   | 0.0   | 0.0   |

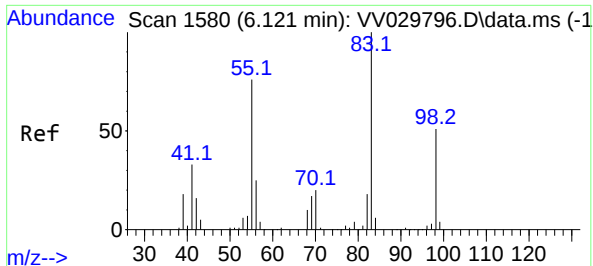


#27  
 1,2-Dichloroethane  
 Concen: 0.089 ug/L  
 RT: 5.037 min Scan# 1243  
 Delta R.T. -0.084 min  
 Lab File: VV029806.D  
 Acq: 13 Jan 2023 14:18

Tgt Ion: 62 Resp: 1279

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 0.0   | 8.9   | 13.3# |





#35

Methylcyclohexane

Concen: 0.789 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.058 min

Lab File: VV029806.D

Acq: 13 Jan 2023 14:18

Instrument :

MSVOA\_V

ClientSampleId :

BH1W0

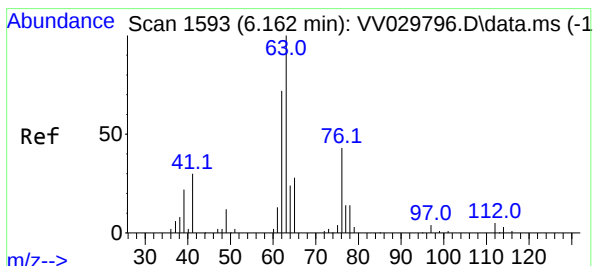
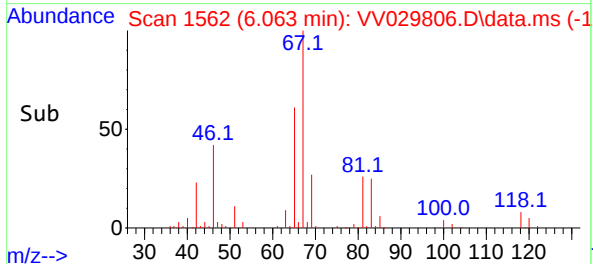
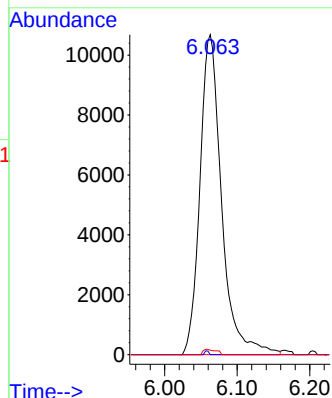
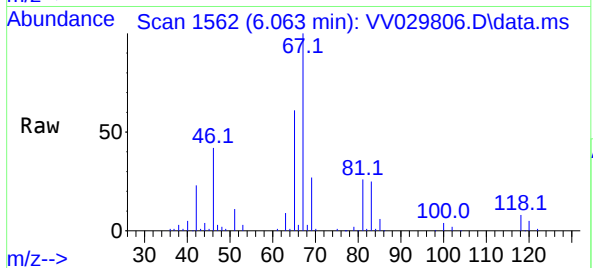
Tgt Ion: 83 Resp: 22168

Ion Ratio Lower Upper

83 100

55 0.2 57.3 85.9#

98 1.0 39.0 58.6#



#37

1,2-Dichloropropane

Concen: 0.577 ug/L

RT: 6.060 min Scan# 1561

Delta R.T. -0.103 min

Lab File: VV029806.D

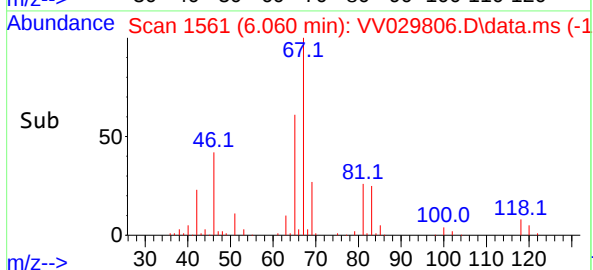
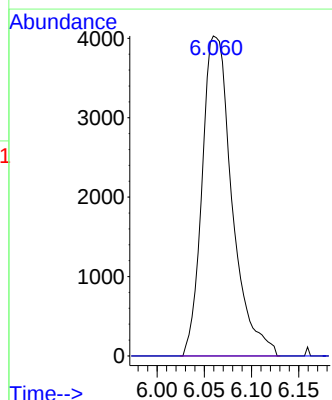
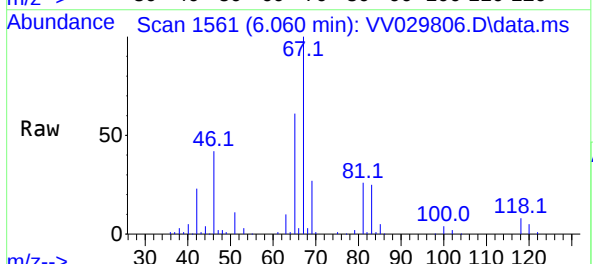
Acq: 13 Jan 2023 14:18

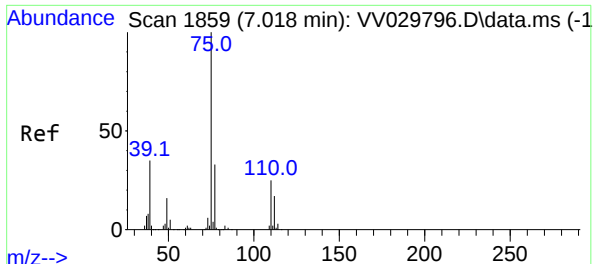
Tgt Ion: 63 Resp: 8875

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#

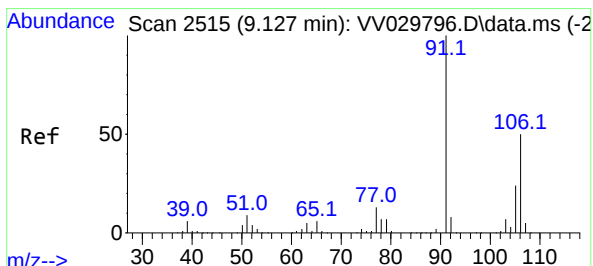
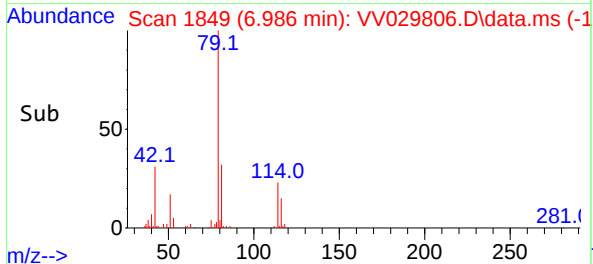
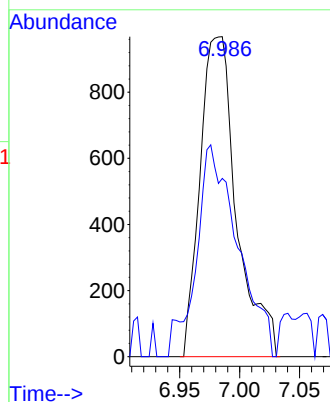
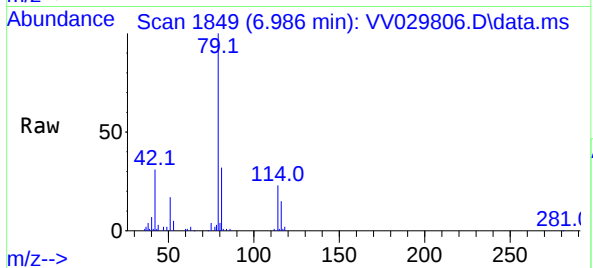




#39  
cis-1,3-Dichloropropene  
Concen: 0.100 ug/L  
RT: 6.986 min Scan# 1849  
Delta R.T. -0.032 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

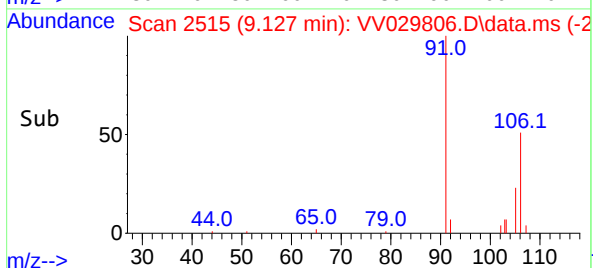
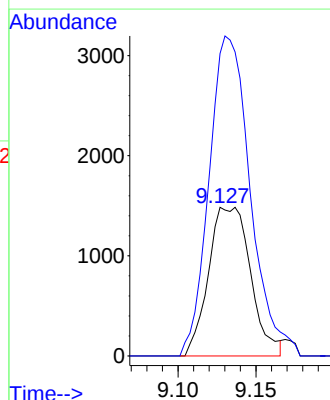
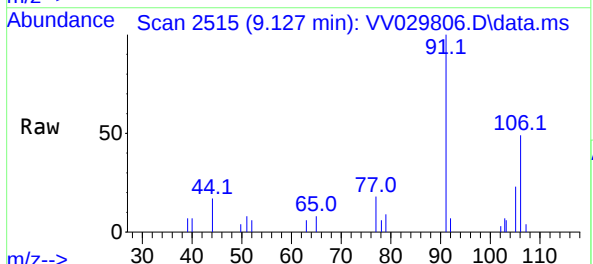
Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W0

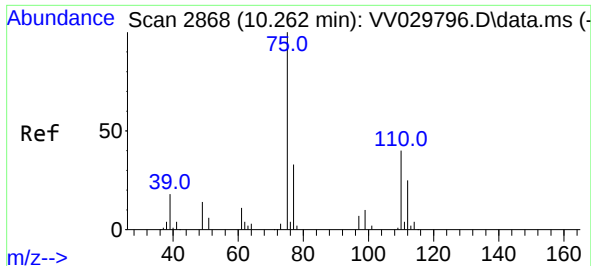
Tgt Ion: 75 Resp: 2055  
Ion Ratio Lower Upper  
75 100  
77 55.7 22.4 41.6#



#53  
m,p-Xylene  
Concen: 0.095 ug/L  
RT: 9.127 min Scan# 2515  
Delta R.T. -0.003 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

Tgt Ion: 106 Resp: 2793  
Ion Ratio Lower Upper  
106 100  
91 203.6 138.7 257.7





#61

1,2,3-Trichloropropane

Concen: 1.445 ug/L

RT: 11.236 min Scan# 3171

Delta R.T. 0.974 min

Lab File: VV029806.D

Acq: 13 Jan 2023 14:18

Instrument :

MSVOA\_V

ClientSampleId :

BH1W0

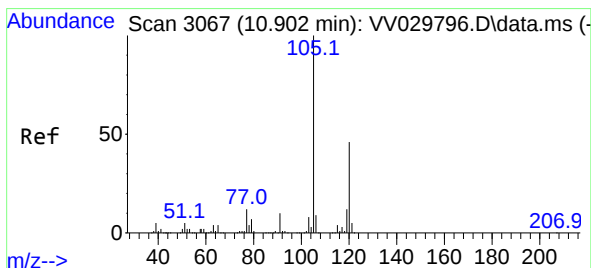
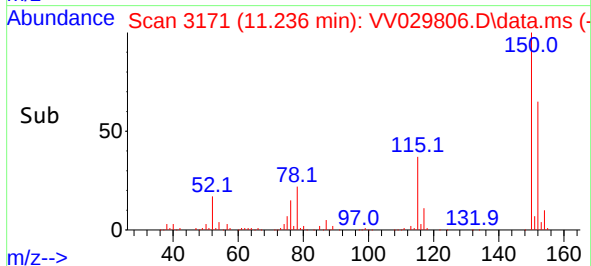
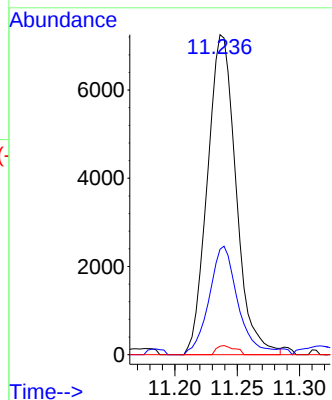
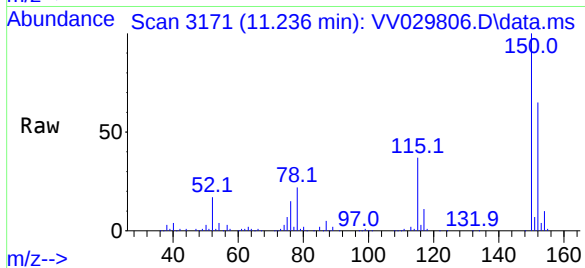
Tgt Ion: 75 Resp: 11596

Ion Ratio Lower Upper

75 100

77 34.0 26.5 39.7

110 1.8 31.8 47.8#



#63

1,2,4-Trimethylbenzene

Concen: 0.058 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.003 min

Lab File: VV029806.D

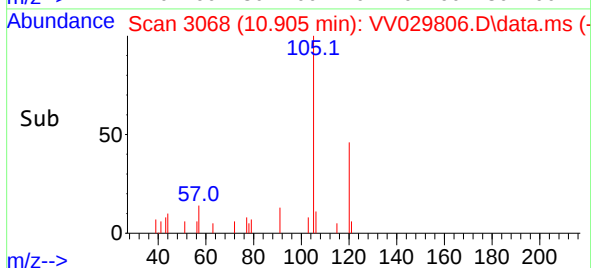
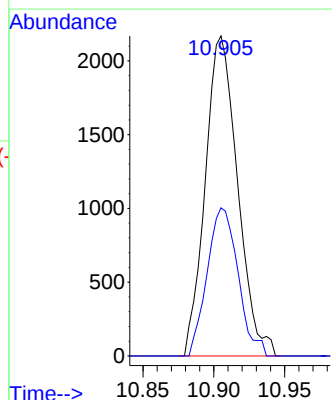
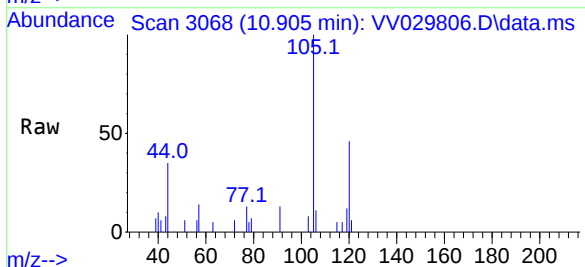
Acq: 13 Jan 2023 14:18

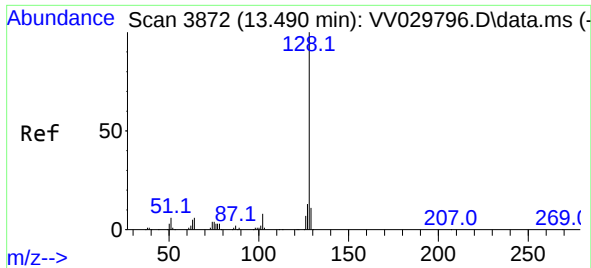
Tgt Ion: 105 Resp: 3450

Ion Ratio Lower Upper

105 100

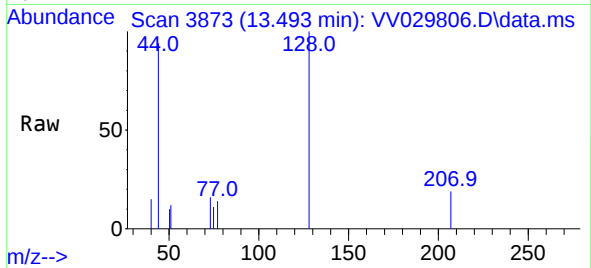
120 44.1 37.4 56.0





#71  
Naphthalene  
Concen: 0.058 ug/L  
RT: 13.493 min Scan# 3873  
Delta R.T. 0.003 min  
Lab File: VV029806.D  
Acq: 13 Jan 2023 14:18

Instrument :  
MSVOA\_V  
ClientSampleId :  
BH1W0



Tgt Ion:128 Resp: 1651  
Ion Ratio Lower Upper  
128 100  
129 5.0 8.6 12.8#  
127 1.3 10.0 15.0#

