

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040822\  
 Data File : VW022468.D  
 Acq On : 08 Apr 2022 16:55  
 Operator : SY/VA  
 Sample : N2293-16  
 Misc : 6.91g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETNP4

Quant Time: Apr 08 23:35:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 08 23:31:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 373749   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 383009   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 176917   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 136083   | 16.470   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 65.880%  |
| 7) Chloroethane-d5            | 2.892  | 69    | 97821    | 18.891   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 134517   | 12.552   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 50.200%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 60707    | 42.084   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 84.160%  |
| 24) Chloroform-d              | 7.647  | 84    | 233422   | 19.981   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 79.920%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 139733   | 20.935   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 83.720%  |
| 32) Benzene-d6                | 8.275  | 84    | 430393   | 18.393   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 73.560%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 139615   | 20.617   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 82.480%  |
| 41) Toluene-d8                | 10.323 | 98    | 401780   | 17.531   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 70.120%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 55723    | 17.436   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 69.760%  |
| 47) 2-Hexanone-d5             | 11.091 | 63    | 38       | 0.030    | ug/L   | 0.17     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 0.060%#  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 117157   | 20.347   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 81.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 130905   | 20.890   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 83.560%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 13) Acetone                   | 4.123  | 43    | 7847     | 7.990    | ug/L   | 78       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 7058     | 0.656    | ug/L   | 91       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 13123    | 2.108    | ug/L # | 84       |
| 27) 1,2-Dichloroethane        | 8.403  | 62    | 6092     | 0.765    | ug/L # | 88       |
| 29) Cyclohexane               | 7.958  | 56    | 12324    | 1.124    | ug/L # | 86       |
| 33) Benzene                   | 8.324  | 78    | 4318314  | 166.064  | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95    | 39305    | 5.645    | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.031 | 75    | 5631     | 0.570    | ug/L   | 88       |
| 42) Toluene                   | 10.390 | 91    | 1198791  | 40.231   | ug/L   | 96       |
| 48) 2-Hexanone                | 10.969 | 43    | 6690     | 2.494    | ug/L # | 49       |
| 51) Chlorobenzene             | 11.658 | 112   | 2648989  | 145.477  | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91    | 16901    | 0.506    | ug/L   | 96       |
| 53) m,p-Xylene                | 11.835 | 106   | 17552    | 1.382    | ug/L   | 91       |
| 54) o-Xylene                  | 12.170 | 106   | 12002    | 0.989    | ug/L   | 82       |
| 61) 1,2,3-Trichloropropane    | 12.743 | 75    | 108103   | 28.725   | ug/L # | 1        |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146   | 9191     | 0.773    | ug/L   | 87       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146   | 57121    | 5.355    | ug/L   | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 14.463 | 75    | 236007   | 270.395  | ug/L # | 12       |
| -----                         |        |       |          |          |        |          |

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Sample : N2293-16  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP4

Quant Time: Apr 08 23:35:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Apr 08 23:31:17 2022  
Response via : Initial Calibration

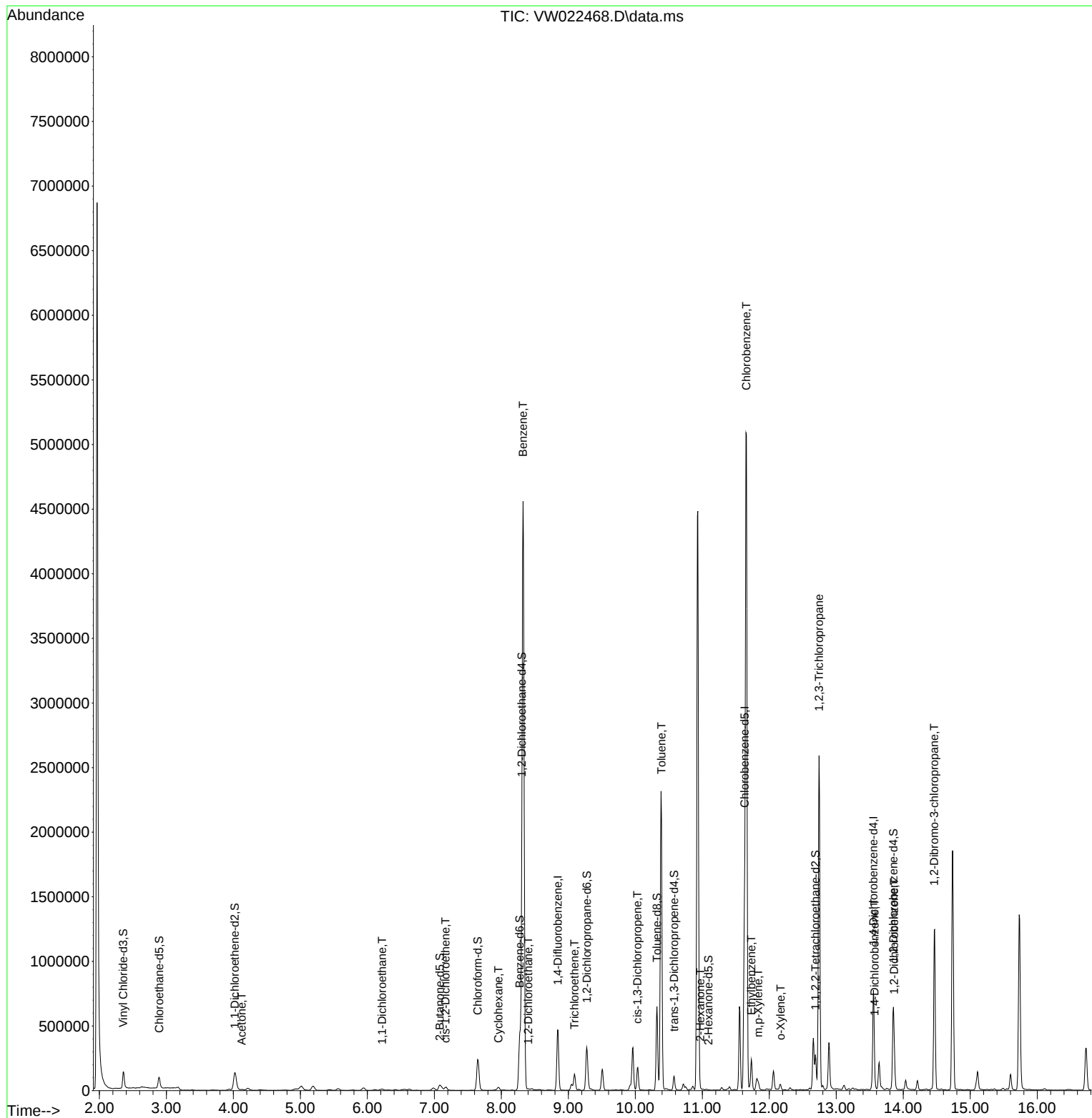
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

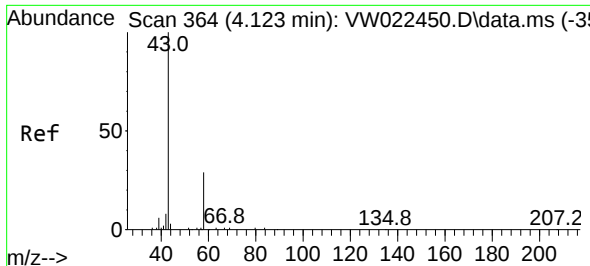
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
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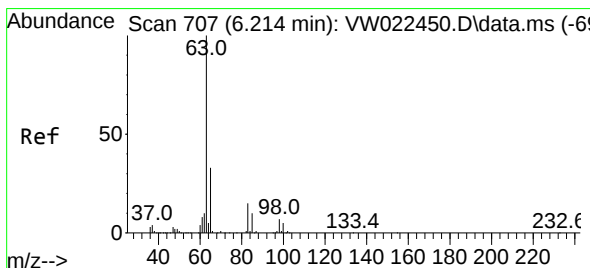
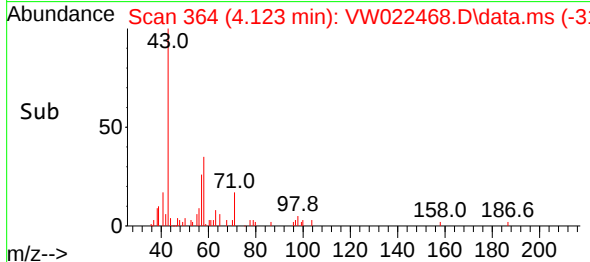
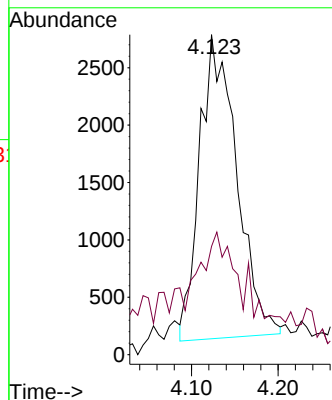
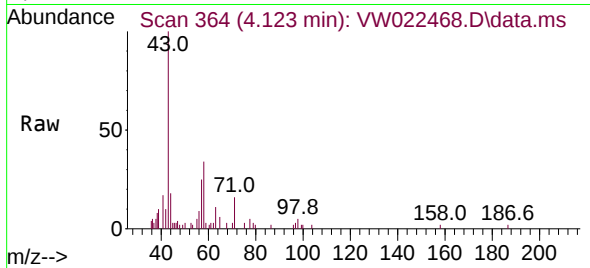




#13  
Acetone  
Concen: 7.990 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.000 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

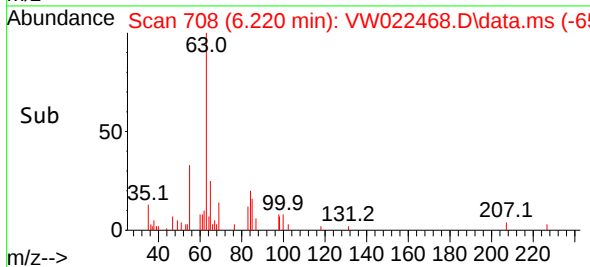
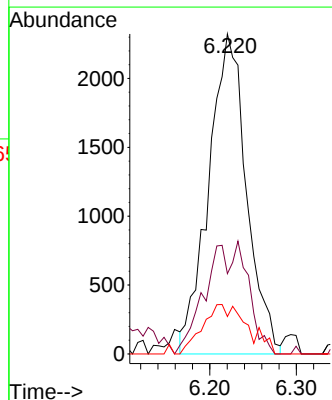
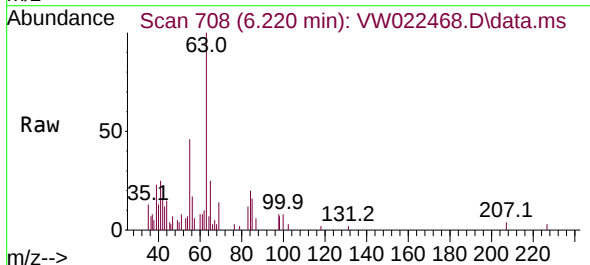
Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP4

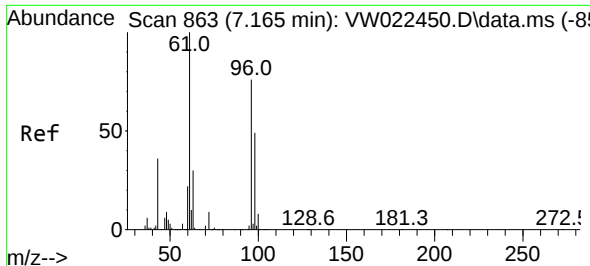
Tgt Ion: 43 Resp: 7847  
Ion Ratio Lower Upper  
43 100  
58 16.8 0.0 57.0



#19  
1,1-Dichloroethane  
Concen: 0.656 ug/L  
RT: 6.220 min Scan# 708  
Delta R.T. 0.006 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

Tgt Ion: 63 Resp: 7058  
Ion Ratio Lower Upper  
63 100  
65 25.1 21.1 39.3  
83 11.7 10.1 18.9

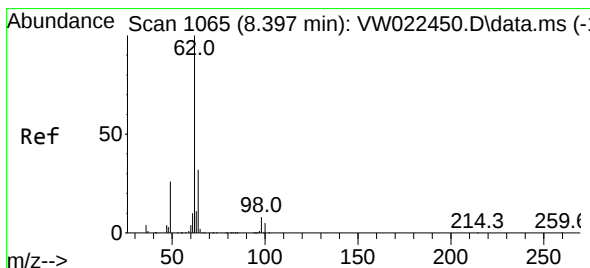
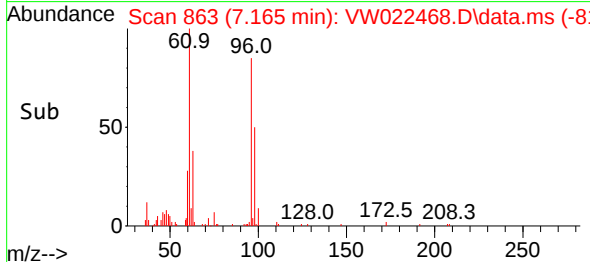
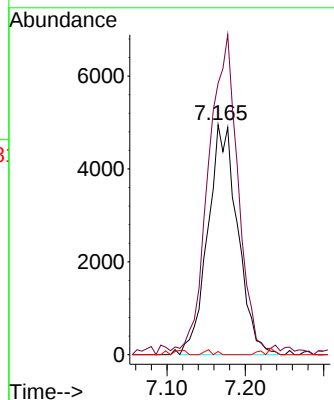
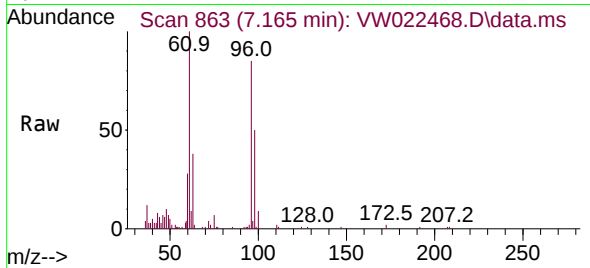




#20  
 cis-1,2-Dichloroethene  
 Concen: 2.108 ug/L  
 RT: 7.165 min Scan# 863  
 Delta R.T. 0.000 min  
 Lab File: VW022468.D  
 Acq: 08 Apr 2022 16:55

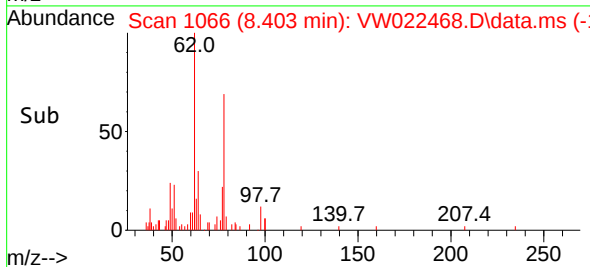
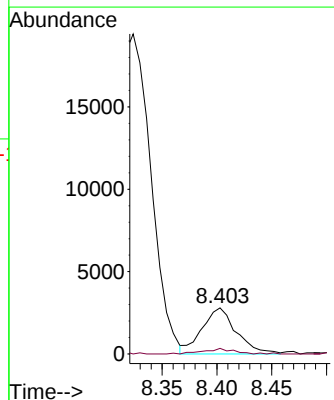
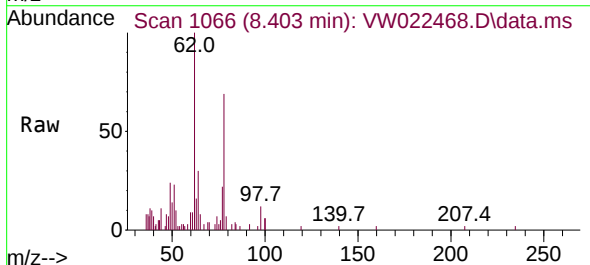
Instrument :  
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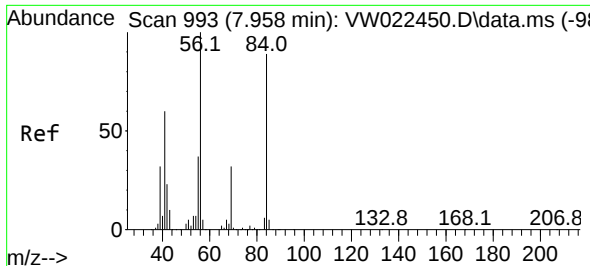
Tgt Ion: 96 Resp: 13123  
 Ion Ratio Lower Upper  
 96 100  
 61 118.1 96.4 179.0  
 68 1.4 0.1 0.3#



#27  
 1,2-Dichloroethane  
 Concen: 0.765 ug/L  
 RT: 8.403 min Scan# 1066  
 Delta R.T. 0.006 min  
 Lab File: VW022468.D  
 Acq: 08 Apr 2022 16:55

Tgt Ion: 62 Resp: 6092  
 Ion Ratio Lower Upper  
 62 100  
 98 12.0 6.2 9.2#

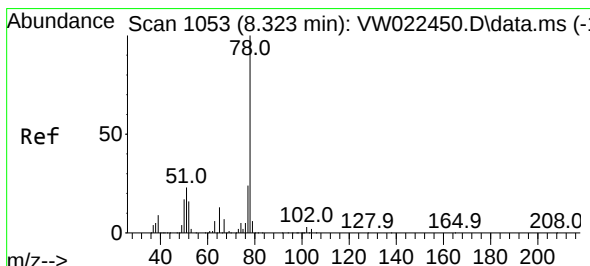
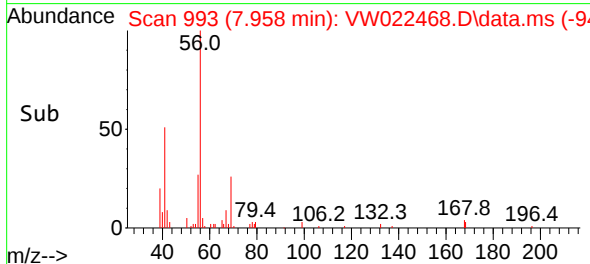
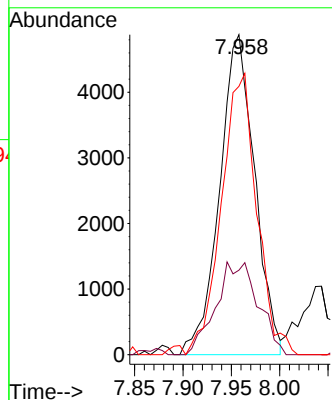
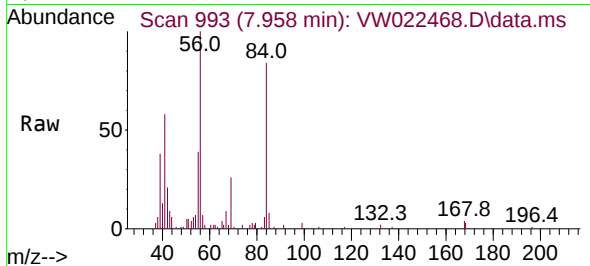




#29  
Cyclohexane  
Concen: 1.124 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

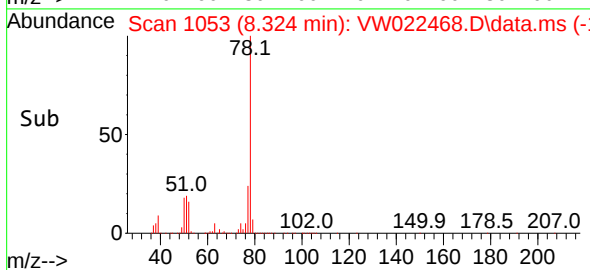
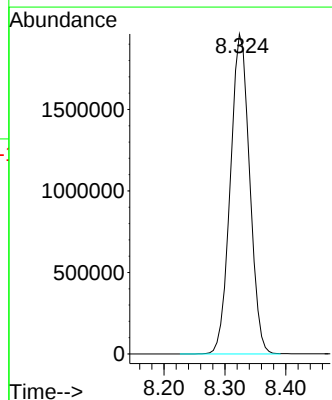
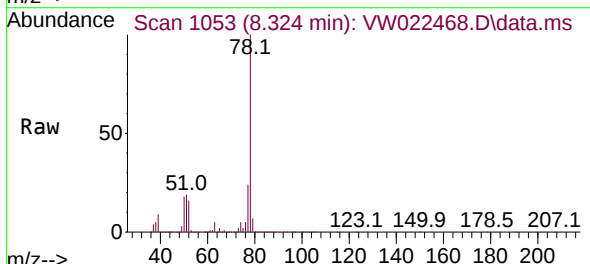
Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP4

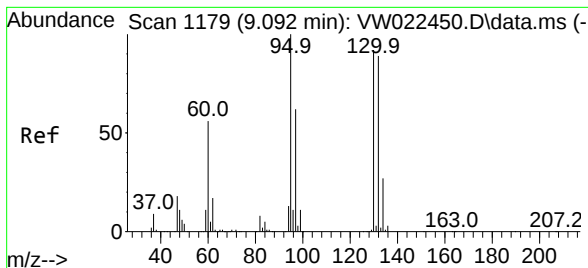
Tgt Ion: 56 Resp: 12324  
Ion Ratio Lower Upper  
56 100  
69 6.5 24.4 36.6#  
84 86.6 72.6 108.8



#33  
Benzene  
Concen: 166.064 ug/L  
RT: 8.324 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

Tgt Ion: 78 Resp: 4318314





#34

Trichloroethene

Concen: 5.645 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW022468.D

Acq: 08 Apr 2022 16:55

Instrument :

MSVOA\_W

ClientSampleId :

ETNP4

Tgt Ion: 95 Resp: 39305

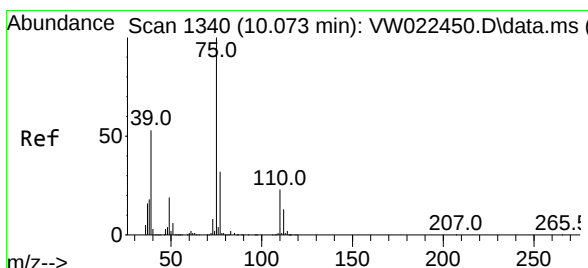
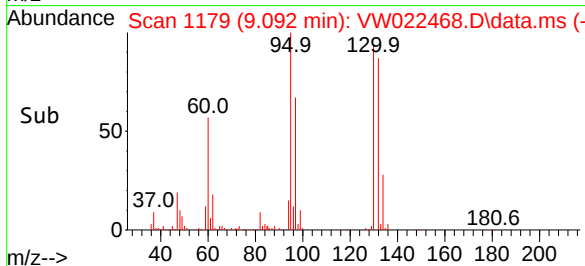
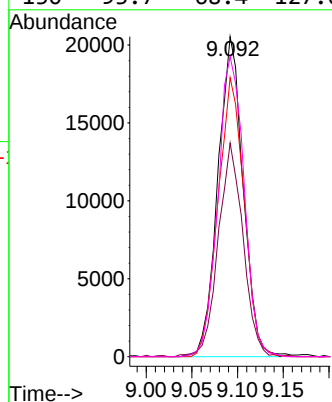
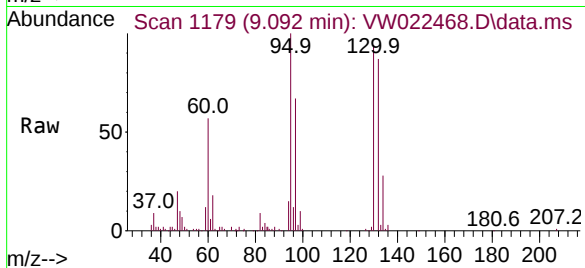
Ion Ratio Lower Upper

95 100

97 66.8 46.4 86.2

132 87.2 67.4 125.2

130 93.7 68.4 127.0



#39

cis-1,3-Dichloropropene

Concen: 0.570 ug/L

RT: 10.031 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW022468.D

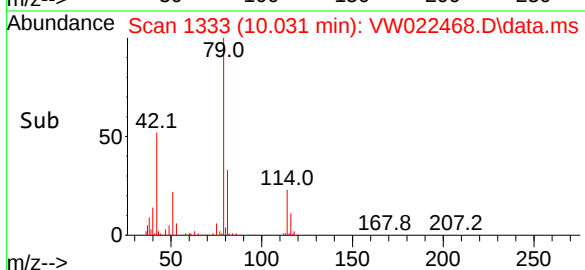
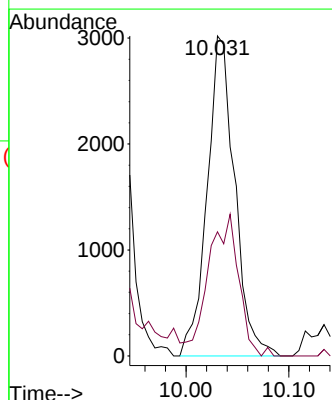
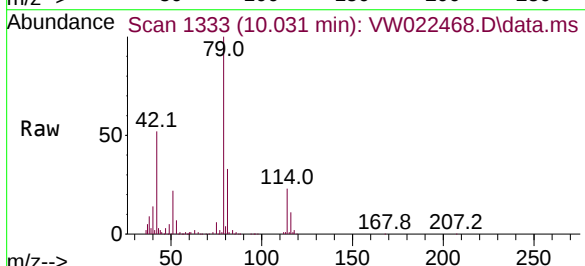
Acq: 08 Apr 2022 16:55

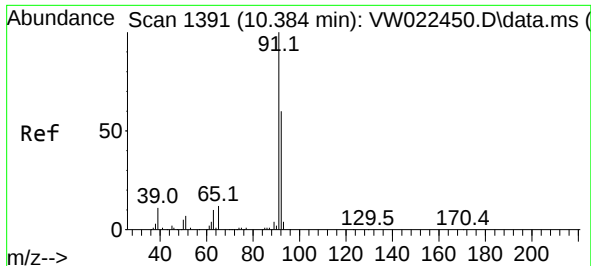
Tgt Ion: 75 Resp: 5631

Ion Ratio Lower Upper

75 100

77 38.8 22.6 42.0

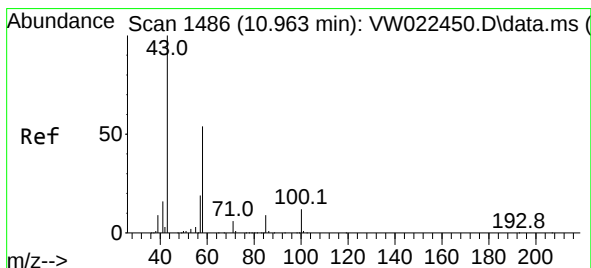
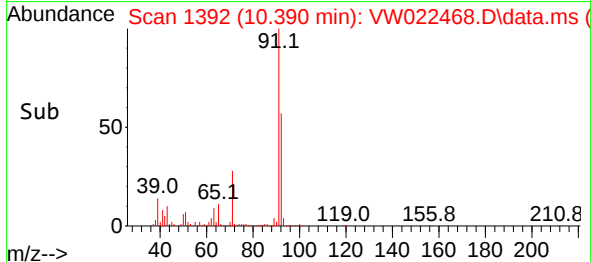
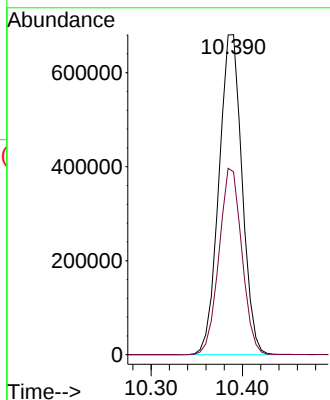
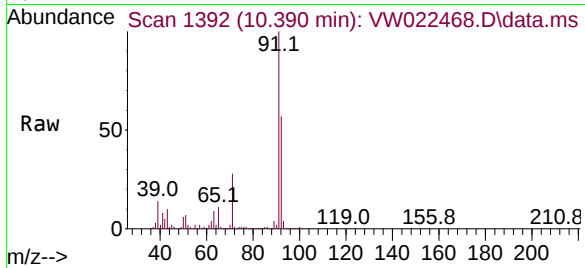




#42  
Toluene  
Concen: 40.231 ug/L  
RT: 10.390 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

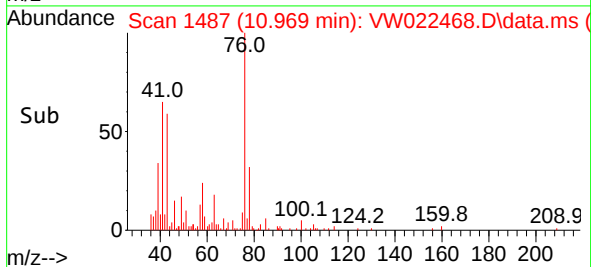
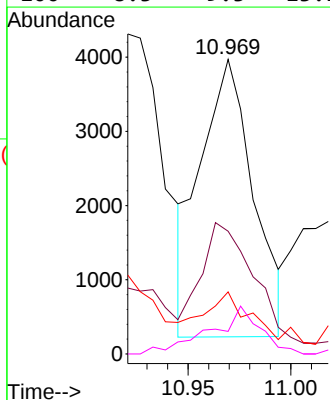
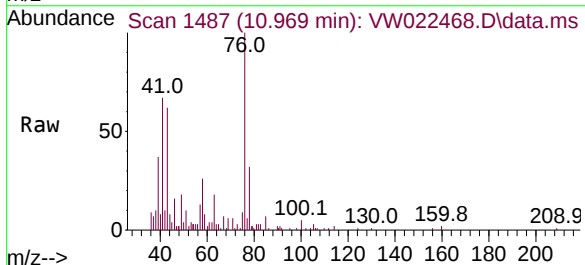
Instrument :  
MSVOA\_W  
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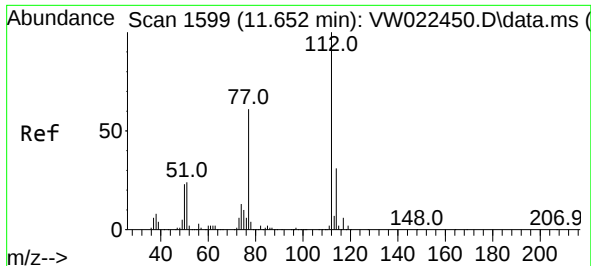
Tgt Ion: 91 Resp: 1198791  
Ion Ratio Lower Upper  
91 100  
92 57.1 38.0 70.6



#48  
2-Hexanone  
Concen: 2.494 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.006 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

Tgt Ion: 43 Resp: 6690  
Ion Ratio Lower Upper  
43 100  
58 0.0 41.6 62.4#  
57 22.6 14.5 21.7#  
100 8.3 9.3 13.9#

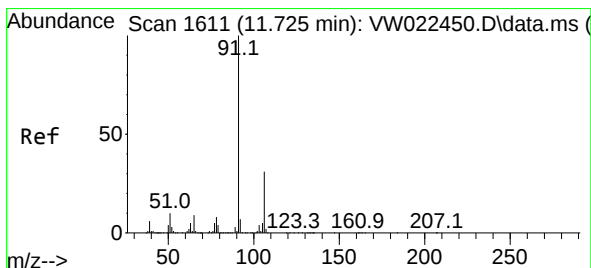
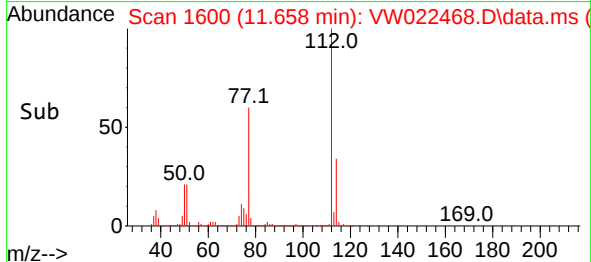
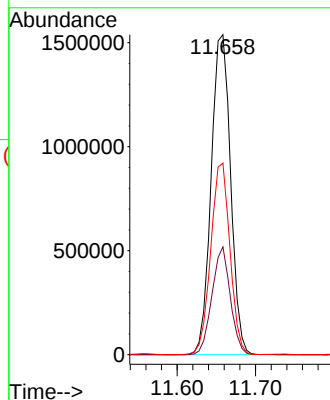
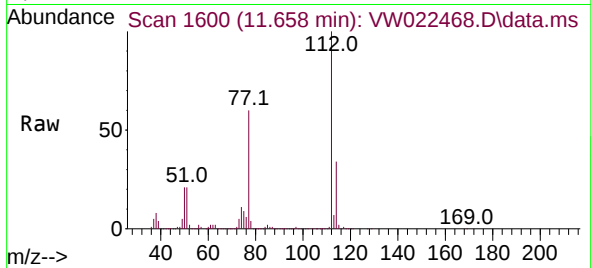




#51  
Chlorobenzene  
Concen: 145.477 ug/L  
RT: 11.658 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

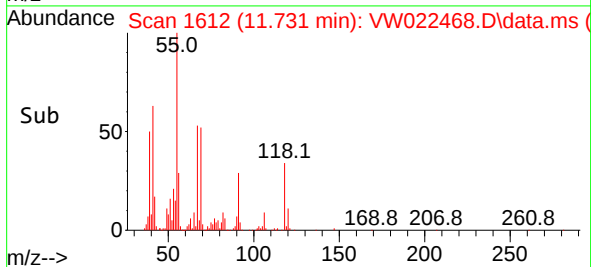
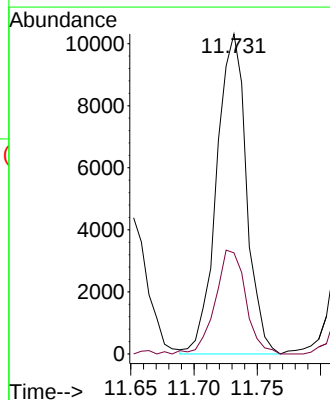
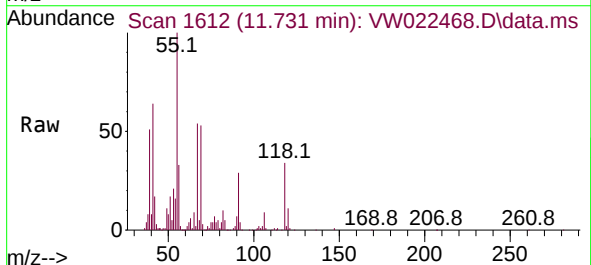
Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP4

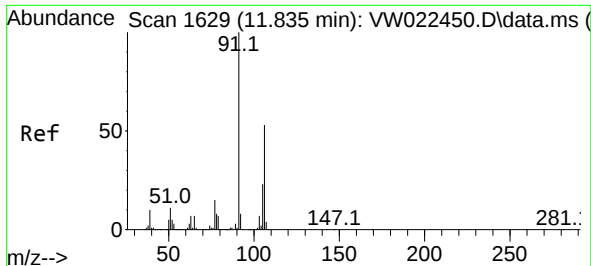
Tgt Ion:112 Resp: 2648989  
Ion Ratio Lower Upper  
112 100  
114 33.7 20.5 38.1  
77 59.9 48.1 72.1



#52  
Ethylbenzene  
Concen: 0.506 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.006 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

Tgt Ion: 91 Resp: 16901  
Ion Ratio Lower Upper  
91 100  
106 31.6 20.5 38.1

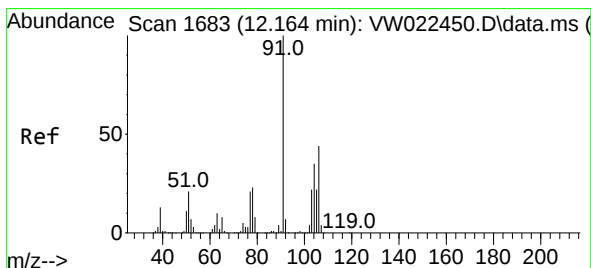
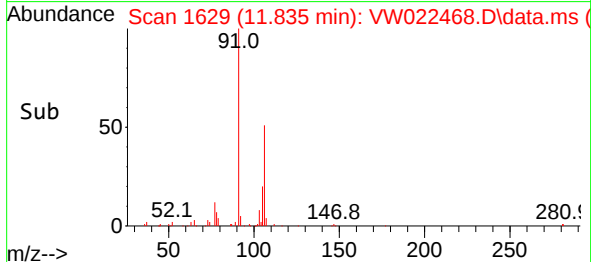
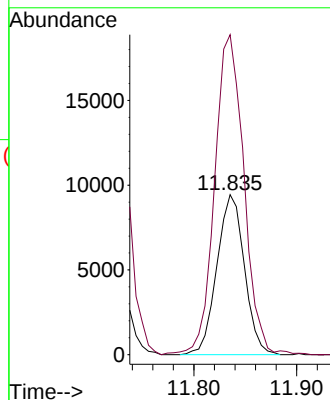
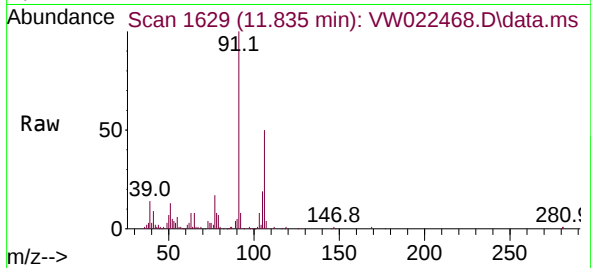




#53  
m,p-Xylene  
Concen: 1.382 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

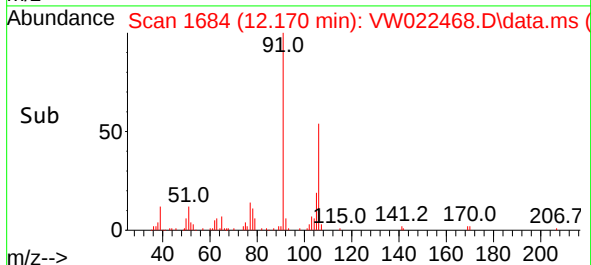
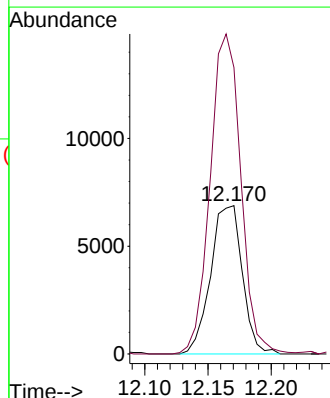
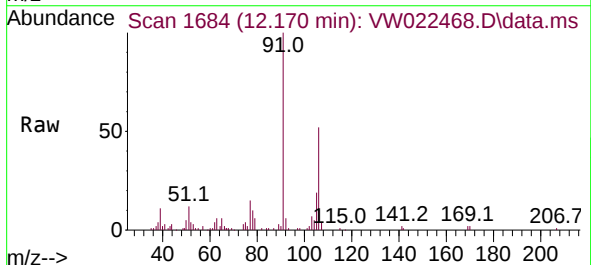
Instrument :  
MSVOA\_W  
ClientSampleId :  
ETNP4

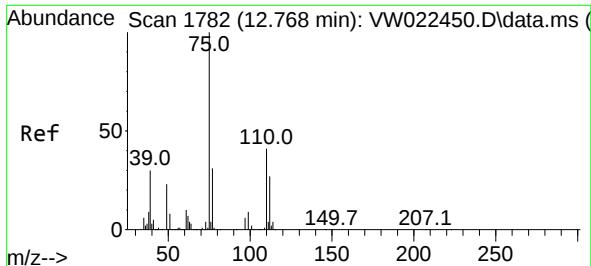
Tgt Ion:106 Resp: 17552  
Ion Ratio Lower Upper  
106 100  
91 200.0 149.9 278.5



#54  
o-Xylene  
Concen: 0.989 ug/L  
RT: 12.170 min Scan# 1684  
Delta R.T. 0.006 min  
Lab File: VW022468.D  
Acq: 08 Apr 2022 16:55

Tgt Ion:106 Resp: 12002  
Ion Ratio Lower Upper  
106 100  
91 193.1 155.3 288.3





#61

1,2,3-Trichloropropane

Concen: 28.725 ug/L

RT: 12.743 min Scan# 1

Delta R.T. -0.024 min

Lab File: VW022468.D

Acq: 08 Apr 2022 16:55

Instrument :

MSVOA\_W

ClientSampleId :

ETNP4

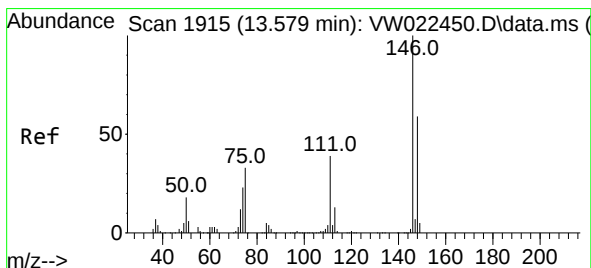
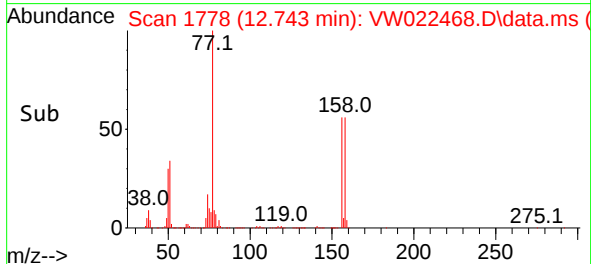
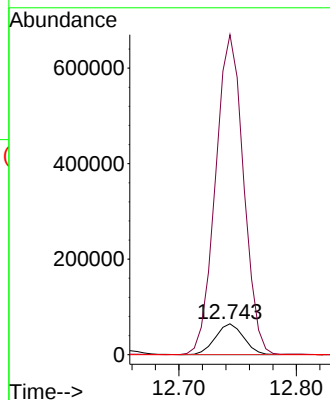
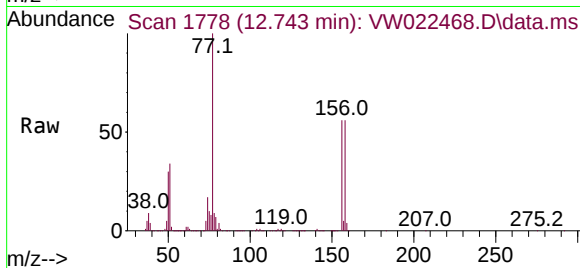
Tgt Ion: 75 Resp: 108103

Ion Ratio Lower Upper

75 100

77 1028.0 25.7 38.5#

110 0.1 31.8 47.6#



#65

1,4-Dichlorobenzene

Concen: 0.773 ug/L

RT: 13.573 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VW022468.D

Acq: 08 Apr 2022 16:55

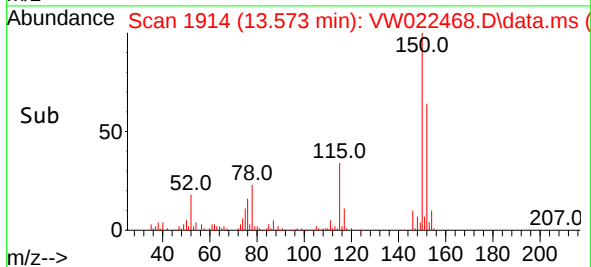
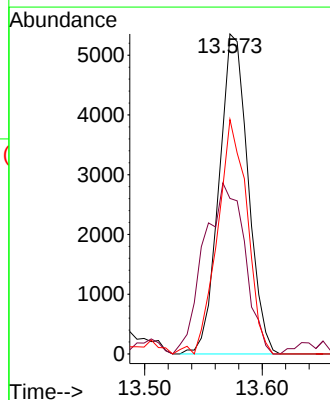
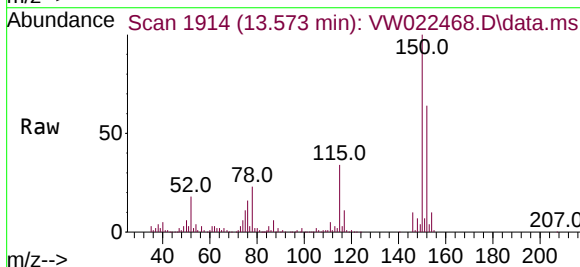
Tgt Ion:146 Resp: 9191

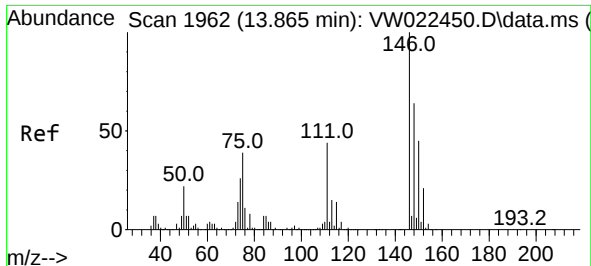
Ion Ratio Lower Upper

146 100

111 48.6 28.5 52.9

148 73.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 5.355 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW022468.D

Acq: 08 Apr 2022 16:55

Instrument :

MSVOA\_W

ClientSampleId :

ETNP4

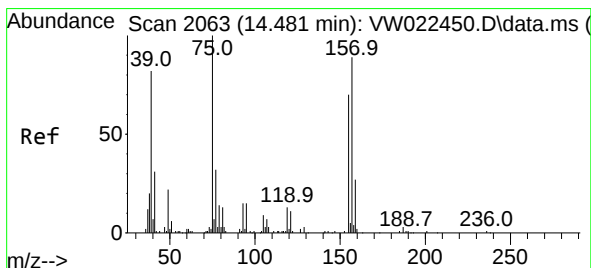
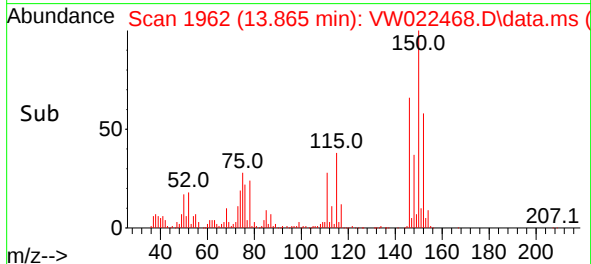
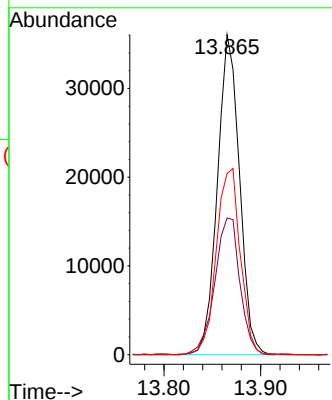
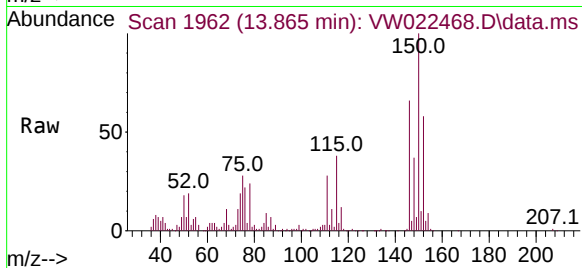
Tgt Ion:146 Resp: 57121

Ion Ratio Lower Upper

146 100

111 42.7 39.0 58.4

148 56.6 52.1 78.1



#68

1,2-Dibromo-3-chloropropane

Concen: 270.395 ug/L

RT: 14.463 min Scan# 2060

Delta R.T. -0.018 min

Lab File: VW022468.D

Acq: 08 Apr 2022 16:55

Tgt Ion: 75 Resp: 236007

Ion Ratio Lower Upper

75 100

155 2.1 55.6 83.4#

157 1.9 69.8 104.6#

