

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061822\  
 Data File : VV026427.D  
 Acq On : 18 Jun 2022 17:00  
 Operator : SY/MD  
 Sample : N3256-13  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 20 01:30:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR061522WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 20 01:25:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.625  | 114   | 281583   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 256658   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 110804   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.323  | 65    | 89830    | 3.673    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 73.400%  |
| 7) Chloroethane-d5            | 1.587  | 69    | 77803    | 4.046    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.124  | 63    | 129775   | 3.090    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 61.800%  |
| 20) 2-Butanone-d5             | 3.928  | 46    | 110994   | 46.510   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 93.020%  |
| 24) Chloroform-d              | 4.365  | 84    | 178143   | 4.970    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.047  | 65    | 70226    | 4.630    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.600%  |
| 32) Benzene-d6                | 5.063  | 84    | 368745   | 5.374    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.400% |
| 36) 1,2-Dichloropropane-d6    | 6.079  | 67    | 103509   | 5.169    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.400% |
| 41) Toluene-d8                | 7.320  | 98    | 319602   | 5.108    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.200% |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 23755    | 3.658    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 73.200%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 94478    | 48.163   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.320%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 60012    | 4.864    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 98735    | 5.785    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 115.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.259  | 50    | 1716     | 0.073    | ug/L   | 94       |
| 6) Bromomethane               | 1.545  | 94    | 633      | 0.047    | ug/L   | 91       |
| 8) Chloroethane               | 1.545  | 64    | 123365   | 8.176    | ug/L # | 49       |
| 14) Carbon disulfide          | 2.314  | 76    | 9817     | 0.224    | ug/L   | 99       |
| 25) Chloroform                | 4.391  | 83    | 61608    | 1.726    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.079  | 83    | 25478    | 1.025    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.076  | 63    | 10788    | 0.627    | ug/L # | 88       |
| 38) Bromodichloromethane      | 6.535  | 83    | 832      | 0.040    | ug/L # | 61       |
| 39) cis-1,3-Dichloropropene   | 6.992  | 75    | 1860     | 0.095    | ug/L # | 51       |
| 42) Toluene                   | 7.397  | 91    | 19023    | 0.275    | ug/L   | 100      |
| 52) Ethylbenzene              | 9.018  | 91    | 20875    | 0.301    | ug/L   | 99       |
| 53) m,p-Xylene                | 9.140  | 106   | 27016    | 0.999    | ug/L   | 96       |
| 54) o-Xylene                  | 9.548  | 106   | 8172     | 0.312    | ug/L   | 91       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 12074    | 1.679    | ug/L # | 67       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105   | 5806     | 0.124    | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105   | 23120    | 0.498    | ug/L   | 98       |
| 71) Naphthalene               | 13.503 | 128   | 36515    | 1.699    | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

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Sample : N3256-13  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

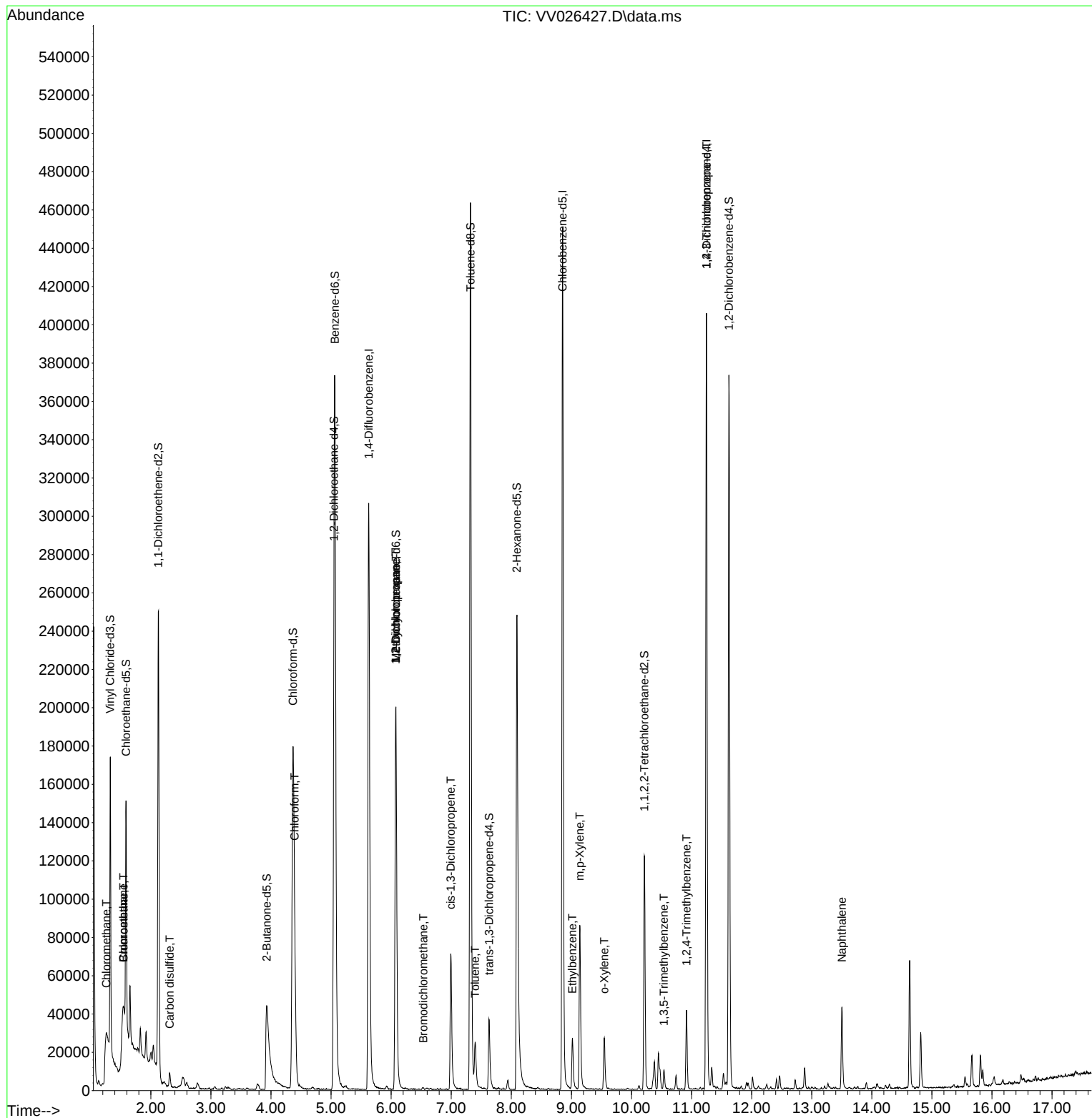
Quant Time: Jun 20 01:30:19 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR061522WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Mon Jun 20 01:25:22 2022  
Response via : Initial Calibration

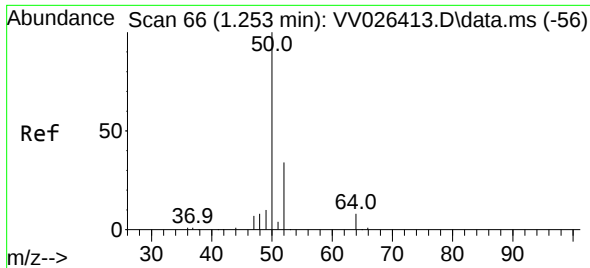
| Compound                                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                 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

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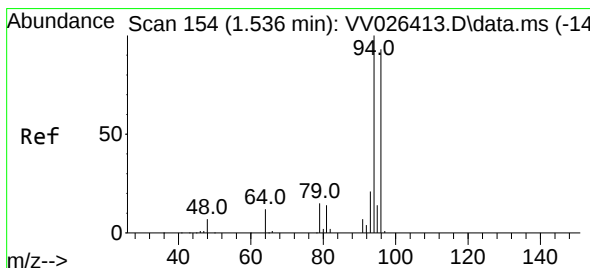
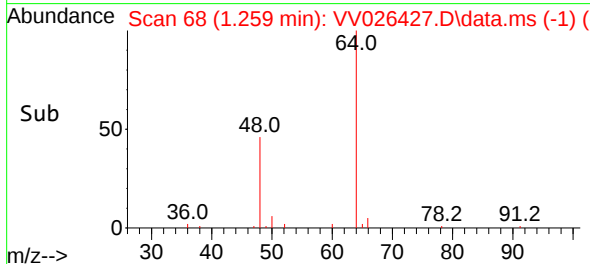
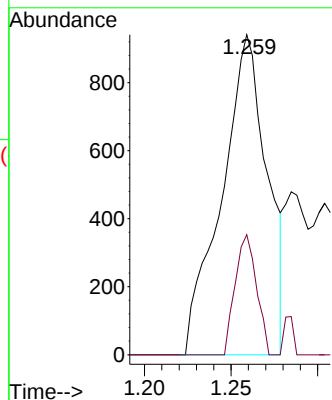
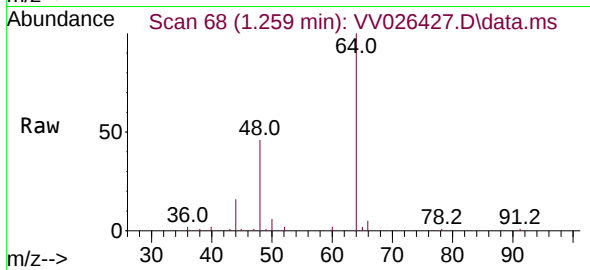




#3  
Chloromethane  
Concen: 0.073 ug/L  
RT: 1.259 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VV026427.D  
Acq: 18 Jun 2022 17:00

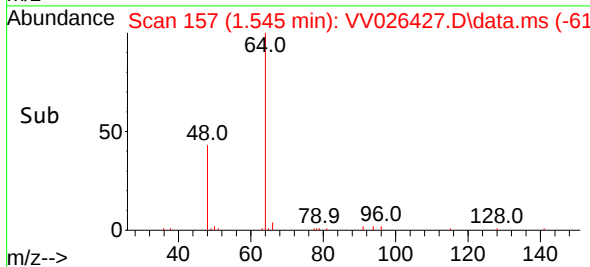
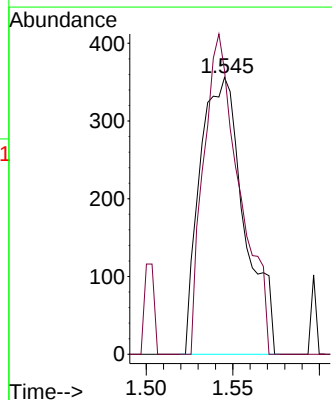
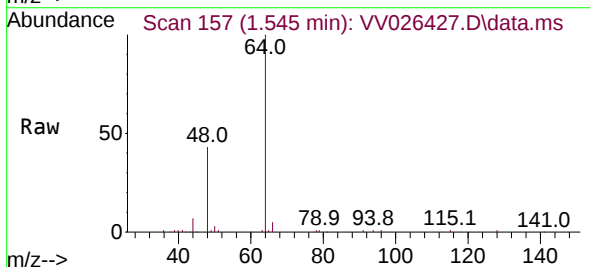
Instrument :  
MSVOA\_V  
ClientSampleId :

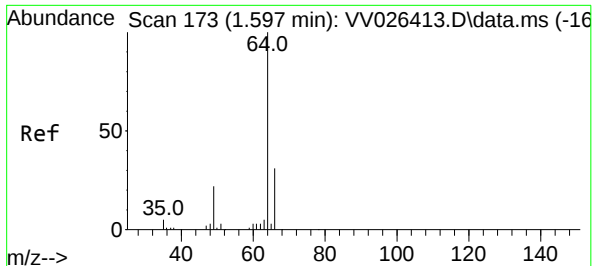
Tgt Ion: 50 Resp: 1716  
Ion Ratio Lower Upper  
50 100  
52 37.5 23.7 44.1



#6  
Bromomethane  
Concen: 0.047 ug/L  
RT: 1.545 min Scan# 157  
Delta R.T. 0.010 min  
Lab File: VV026427.D  
Acq: 18 Jun 2022 17:00

Tgt Ion: 94 Resp: 633  
Ion Ratio Lower Upper  
94 100  
96 102.5 65.7 121.9

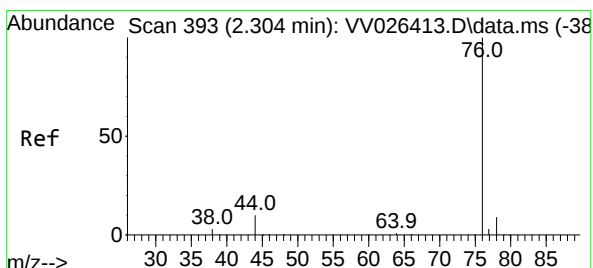
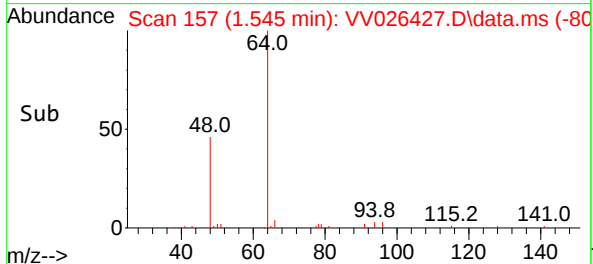
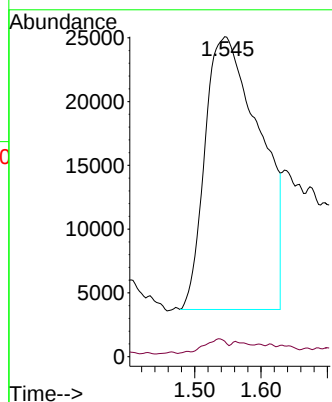
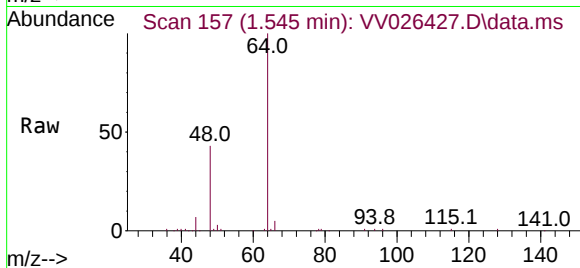




#8  
Chloroethane  
Concen: 8.176 ug/L  
RT: 1.545 min Scan# 11  
Delta R.T. -0.052 min  
Lab File: VV026427.D  
Acq: 18 Jun 2022 17:00

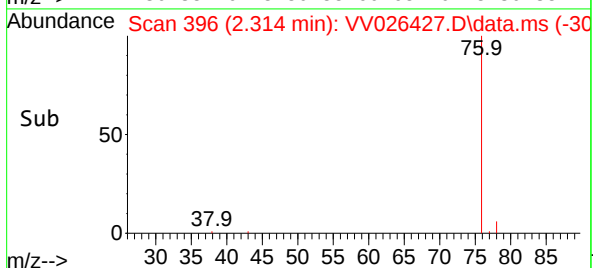
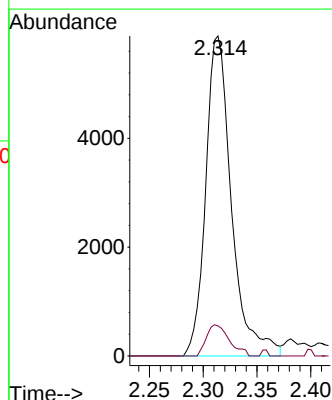
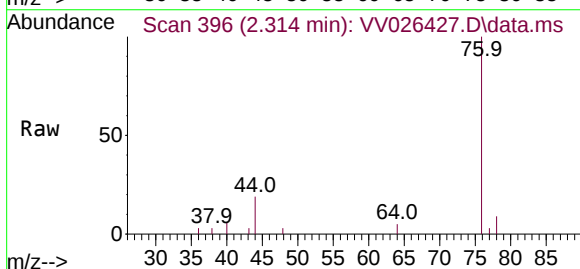
Instrument :  
MSVOA\_V  
ClientSampleId :

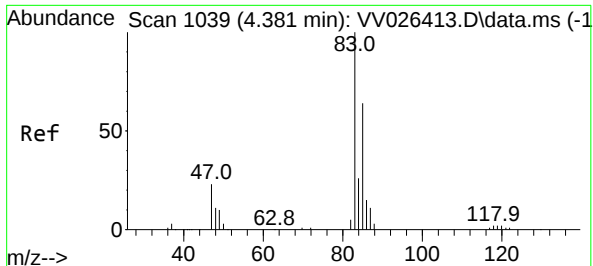
Tgt Ion: 64 Resp: 123365  
Ion Ratio Lower Upper  
64 100  
66 4.8 24.1 44.7#



#14  
Carbon disulfide  
Concen: 0.224 ug/L  
RT: 2.314 min Scan# 396  
Delta R.T. 0.010 min  
Lab File: VV026427.D  
Acq: 18 Jun 2022 17:00

Tgt Ion: 76 Resp: 9817  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.7 11.5





#25

Chloroform

Concen: 1.726 ug/L

RT: 4.391 min Scan# 1042

Delta R.T. 0.010 min

Lab File: VV026427.D

Acq: 18 Jun 2022 17:00

Instrument :

MSVOA\_V

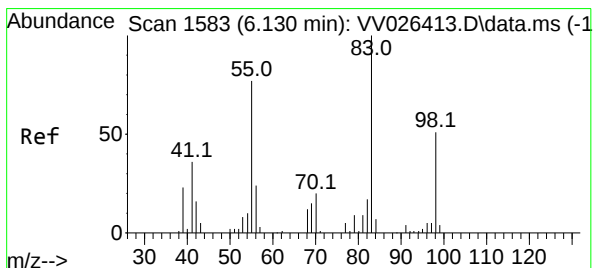
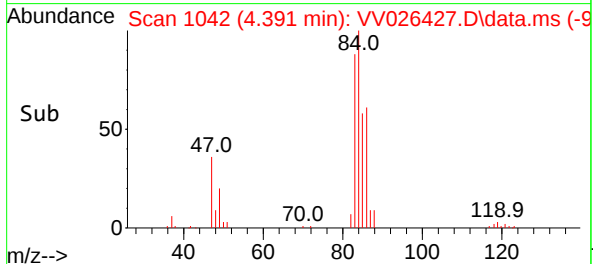
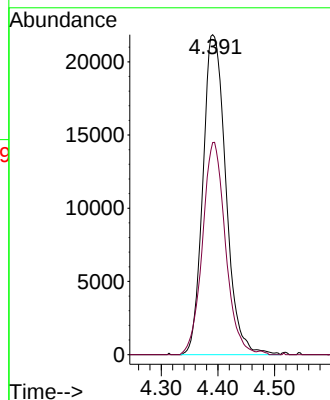
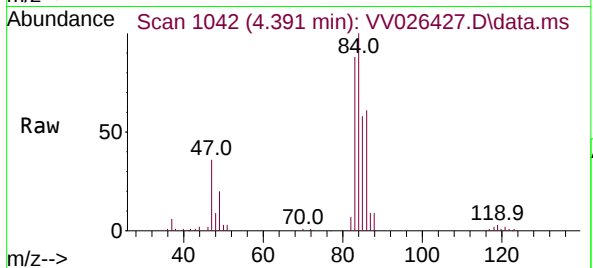
ClientSampleId :

Tgt Ion: 83 Resp: 61608

Ion Ratio Lower Upper

83 100

85 66.3 46.5 86.3



#35

Methylcyclohexane

Concen: 1.025 ug/L

RT: 6.079 min Scan# 1567

Delta R.T. -0.052 min

Lab File: VV026427.D

Acq: 18 Jun 2022 17:00

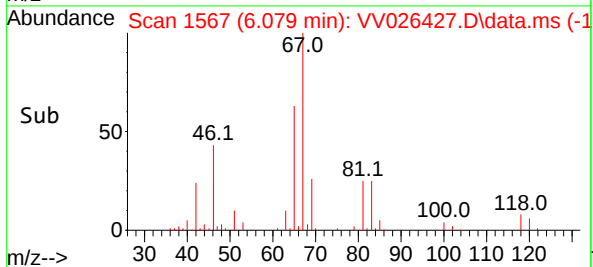
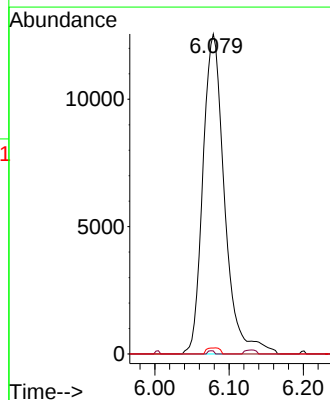
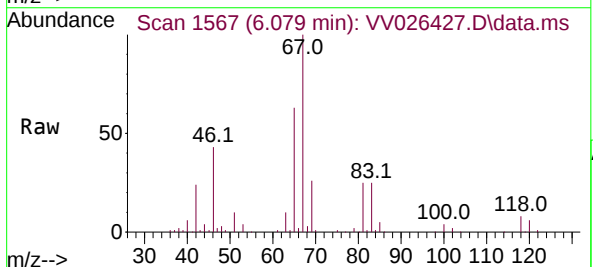
Tgt Ion: 83 Resp: 25478

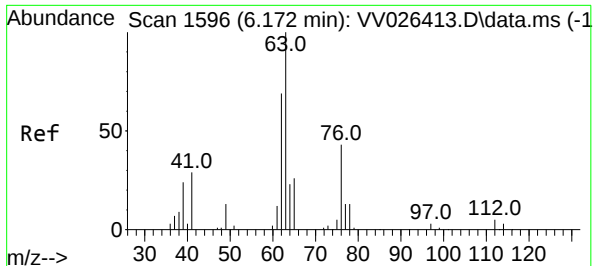
Ion Ratio Lower Upper

83 100

55 0.3 59.3 88.9#

98 1.1 39.9 59.9#





#37

1,2-Dichloropropane

Concen: 0.627 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.097 min

Lab File: VV026427.D

Acq: 18 Jun 2022 17:00

Instrument :

MSVOA\_V

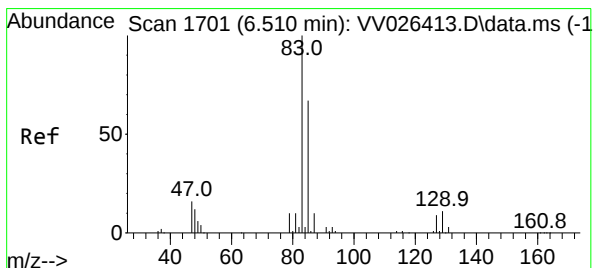
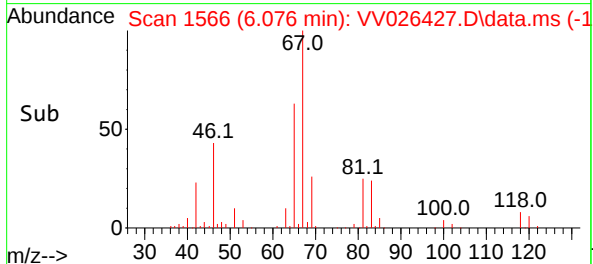
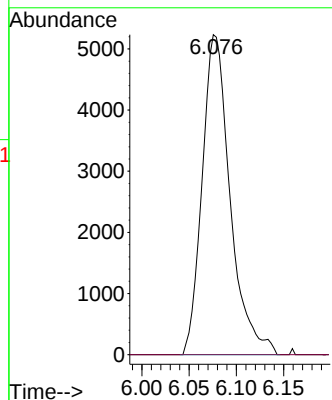
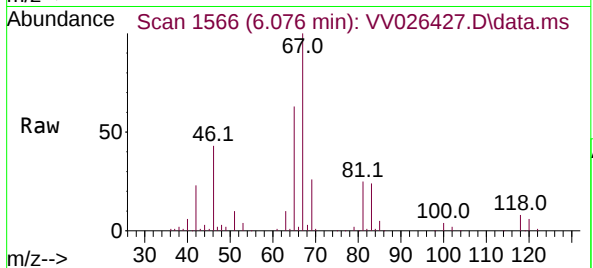
ClientSampleId :

Tgt Ion: 63 Resp: 10788

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#38

Bromodichloromethane

Concen: 0.040 ug/L

RT: 6.535 min Scan# 1709

Delta R.T. 0.026 min

Lab File: VV026427.D

Acq: 18 Jun 2022 17:00

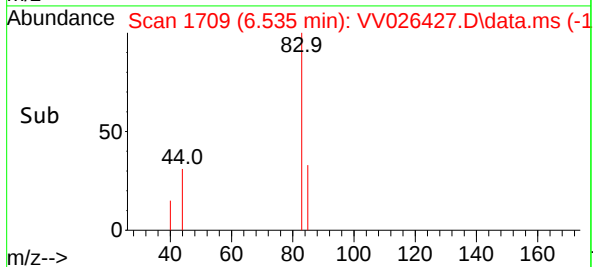
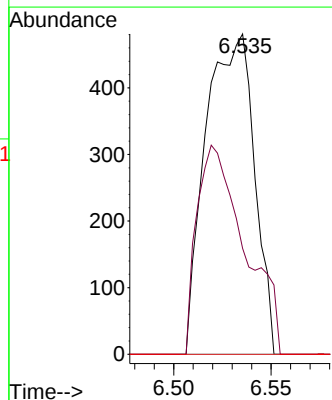
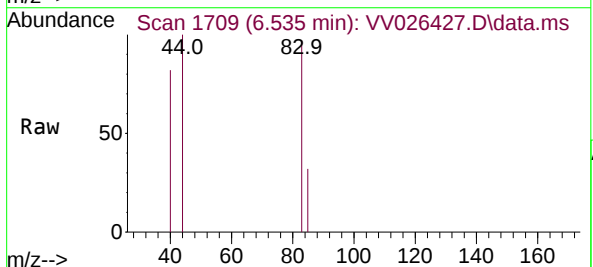
Tgt Ion: 83 Resp: 832

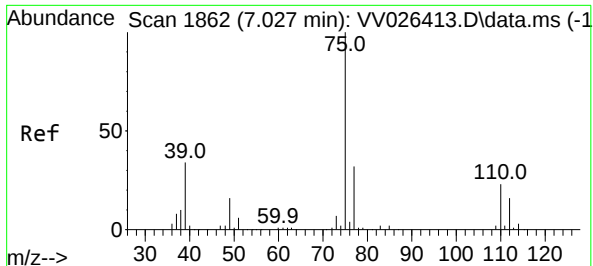
Ion Ratio Lower Upper

83 100

85 33.1 45.6 84.6#

127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 6.992 min Scan# 1860

Delta R.T. -0.035 min

Lab File: VV026427.D

Acq: 18 Jun 2022 17:00

Instrument :

MSVOA\_V

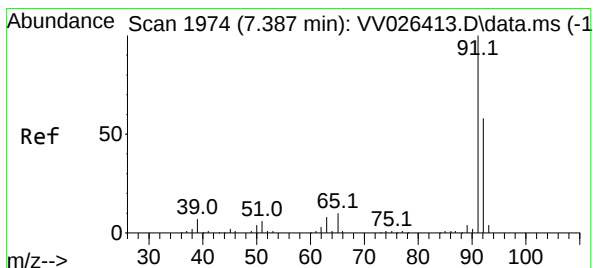
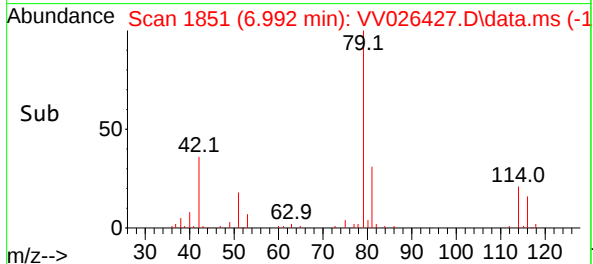
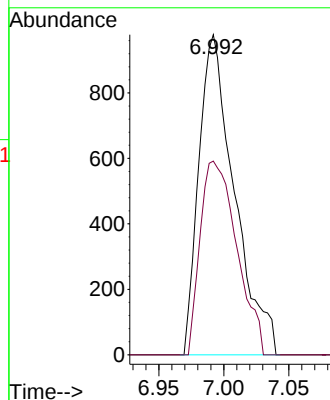
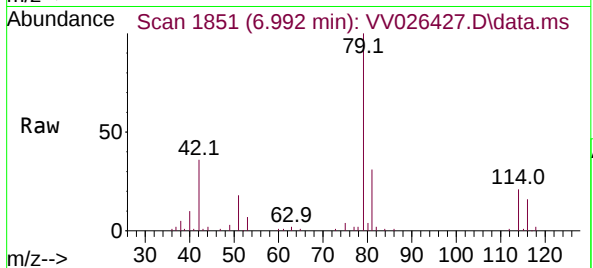
ClientSampleId :

Tgt Ion: 75 Resp: 1860

Ion Ratio Lower Upper

75 100

77 60.5 23.0 42.6#



#42

Toluene

Concen: 0.275 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.010 min

Lab File: VV026427.D

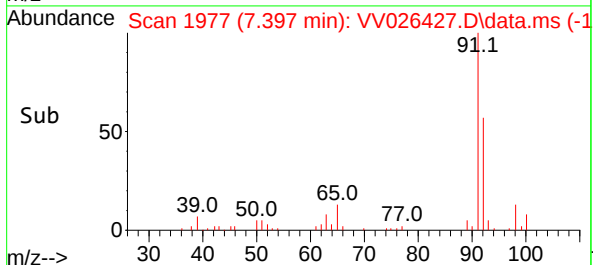
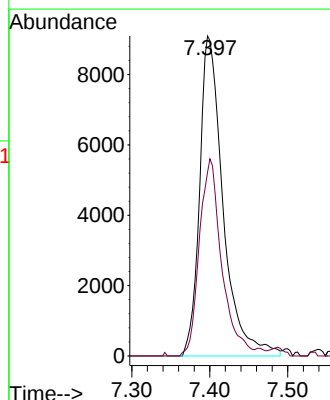
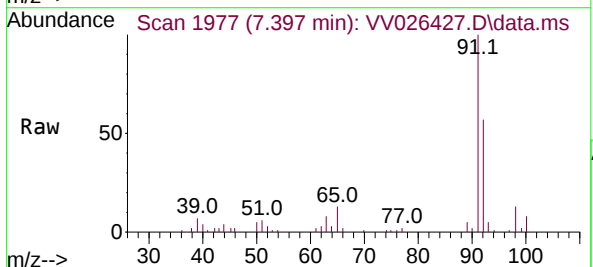
Acq: 18 Jun 2022 17:00

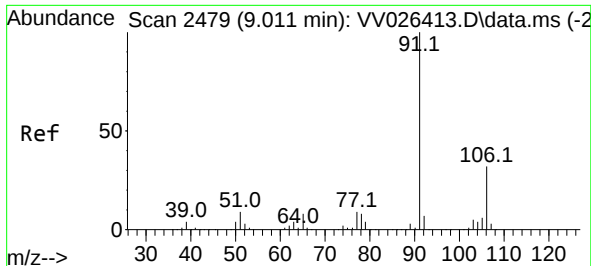
Tgt Ion: 91 Resp: 19023

Ion Ratio Lower Upper

91 100

92 57.5 40.1 74.5

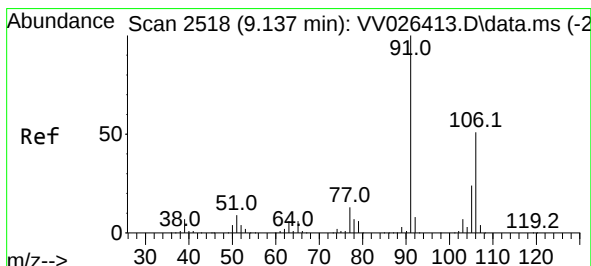
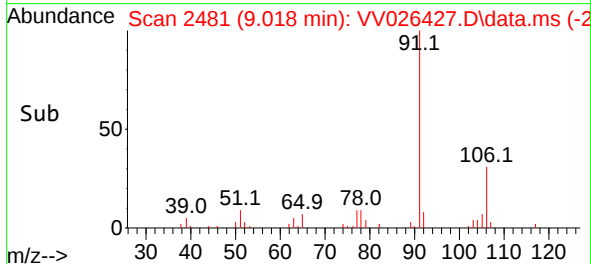
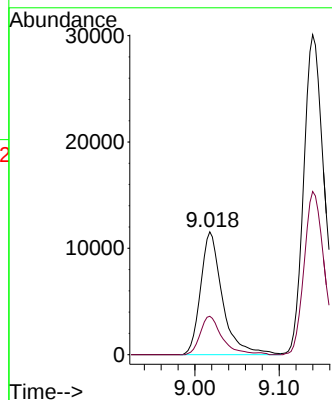
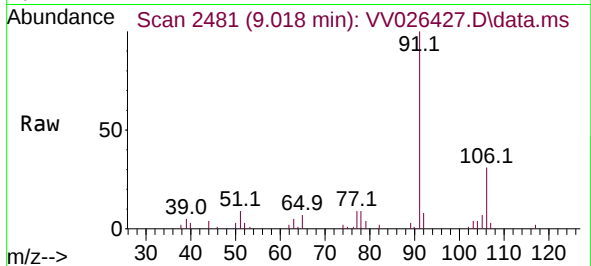




#52  
Ethylbenzene  
Concen: 0.301 ug/L  
RT: 9.018 min Scan# 2479  
Delta R.T. 0.006 min  
Lab File: VV026427.D  
Acq: 18 Jun 2022 17:00

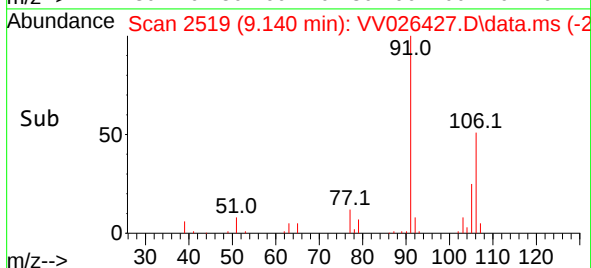
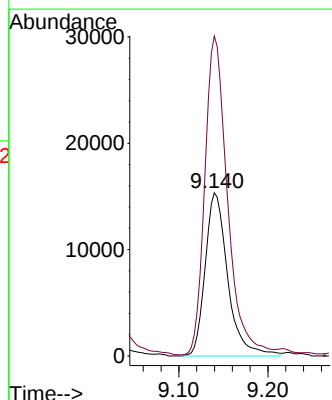
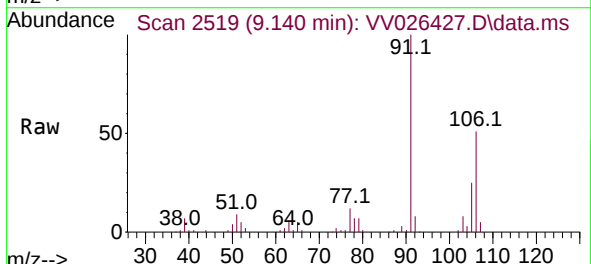
Instrument :  
MSVOA\_V  
ClientSampleId :

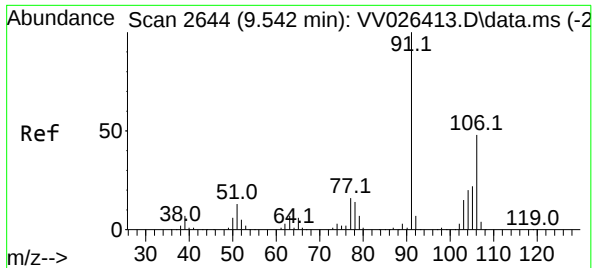
Tgt Ion: 91 Resp: 20875  
Ion Ratio Lower Upper  
91 100  
106 31.3 21.6 40.0



#53  
m,p-Xylene  
Concen: 0.999 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.003 min  
Lab File: VV026427.D  
Acq: 18 Jun 2022 17:00

Tgt Ion: 106 Resp: 27016  
Ion Ratio Lower Upper  
106 100  
91 196.1 141.3 262.3

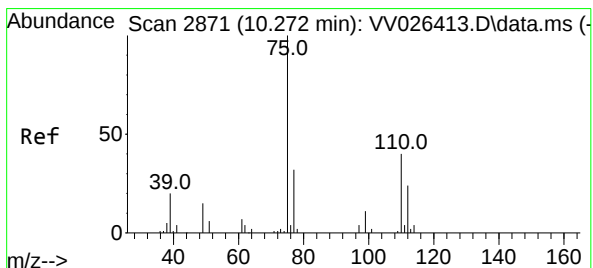
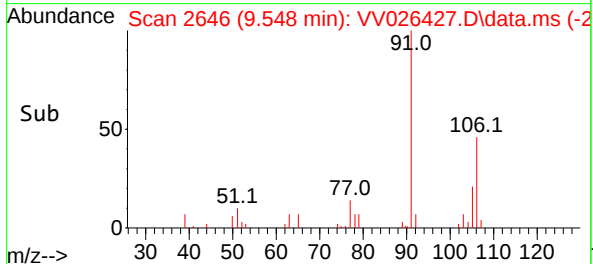
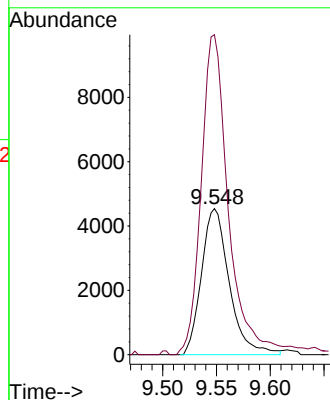
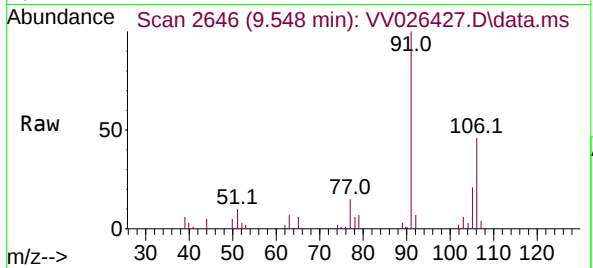




#54  
o-Xylene  
Concen: 0.312 ug/L  
RT: 9.548 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VV026427.D  
Acq: 18 Jun 2022 17:00

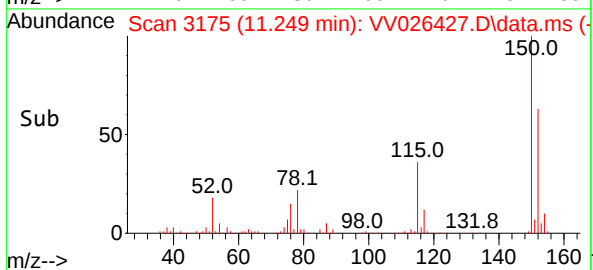
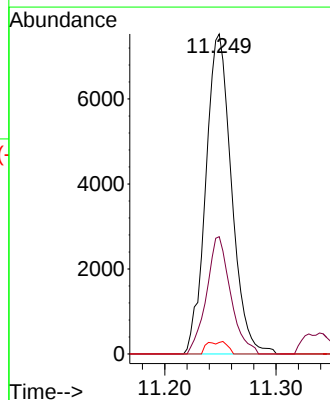
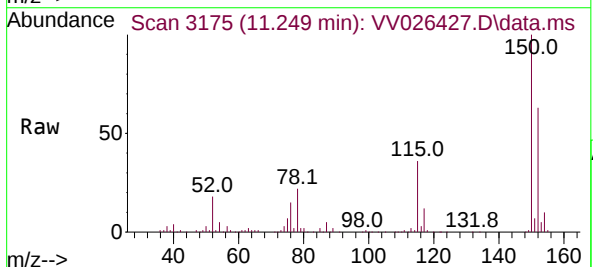
Instrument :  
MSVOA\_V  
ClientSampleId :

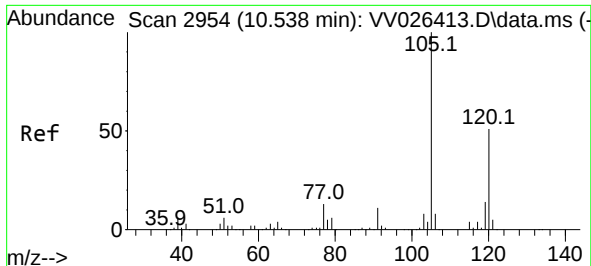
Tgt Ion:106 Resp: 8172  
Ion Ratio Lower Upper  
106 100  
91 219.0 143.3 266.1



#61  
1,2,3-Trichloropropane  
Concen: 1.679 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.977 min  
Lab File: VV026427.D  
Acq: 18 Jun 2022 17:00

Tgt Ion: 75 Resp: 12074  
Ion Ratio Lower Upper  
75 100  
77 34.4 26.9 40.3  
110 1.5 30.7 46.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.124 ug/L

RT: 10.542 min Scan# 2954

Delta R.T. 0.003 min

Lab File: VV026427.D

Acq: 18 Jun 2022 17:00

Instrument :

MSVOA\_V

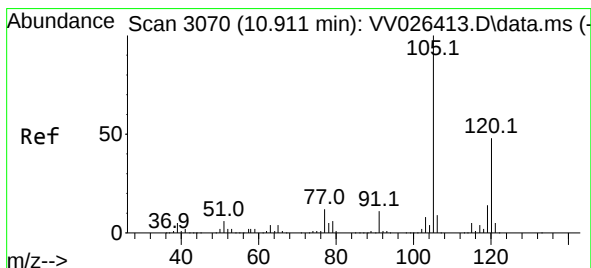
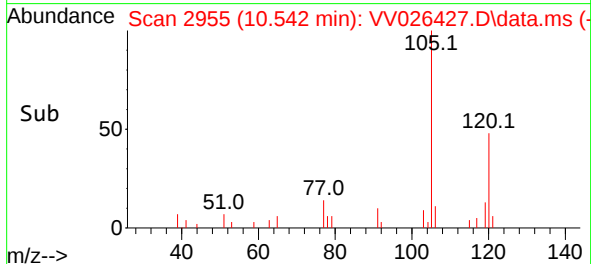
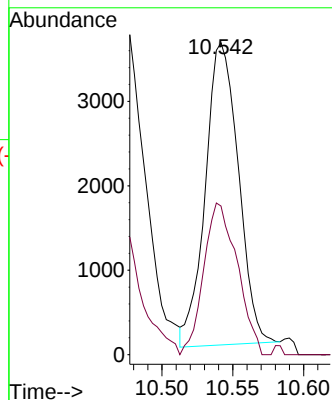
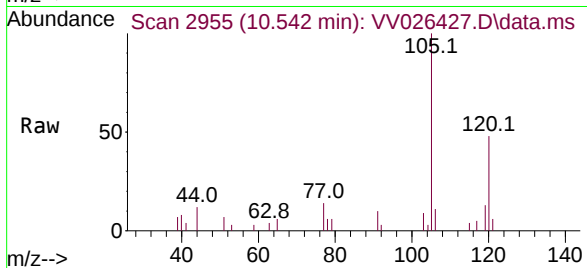
ClientSampleId :

Tgt Ion:105 Resp: 5806

Ion Ratio Lower Upper

105 100

120 50.9 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 0.498 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV026427.D

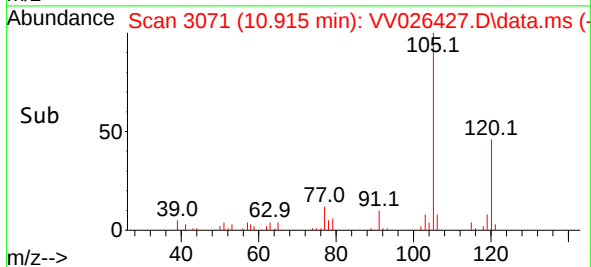
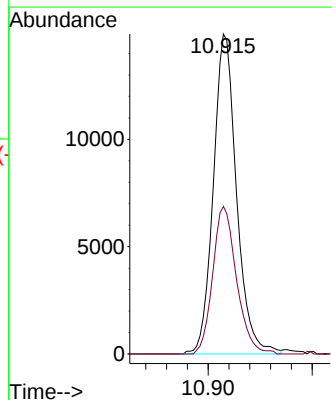
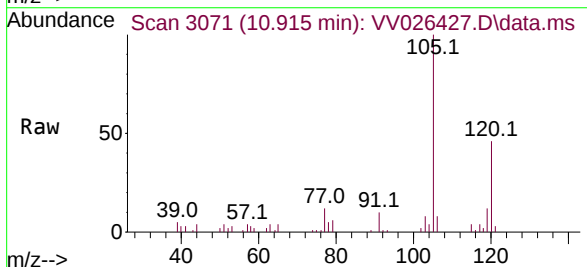
Acq: 18 Jun 2022 17:00

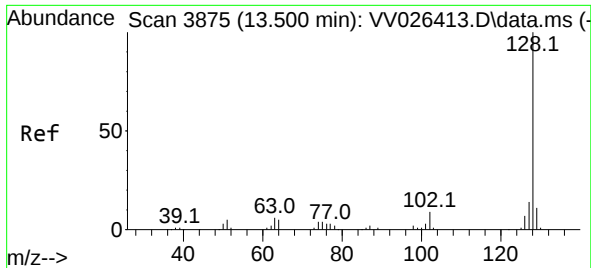
Tgt Ion:105 Resp: 23120

Ion Ratio Lower Upper

105 100

120 47.2 36.9 55.3





#71

Naphthalene

Concen: 1.699 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.003 min

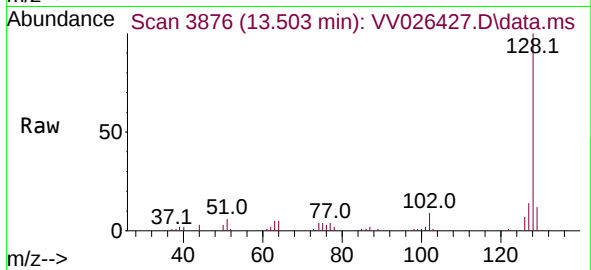
Lab File: VV026427.D

Acq: 18 Jun 2022 17:00

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:128 Resp: 36515

Ion Ratio Lower Upper

128 100

129 11.8 8.7 13.1

127 13.7 10.6 16.0

