

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112621\  
 Data File : VW023721.D  
 Acq On : 26 Nov 2021 13:25  
 Operator : SY/MD  
 Sample : M4821-20  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4671

Quant Time: Nov 27 03:52:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 27 03:48:32 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 134351   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 128726   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 68147    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 42149    | 3.822    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.400%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 37069    | 4.276    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 62333    | 3.207    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 64.200%  |
| 20) 2-Butanone-d5             | 3.937  | 46    | 61090    | 46.075   | ug/L   | 0.04     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 92.160%  |
| 24) Chloroform-d              | 4.349  | 84    | 87881    | 4.576    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 39824    | 4.439    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.800%  |
| 32) Benzene-d6                | 5.050  | 84    | 170182   | 4.853    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 48301    | 4.913    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.200%  |
| 41) Toluene-d8                | 7.317  | 98    | 153931   | 4.698    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.000%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 17764    | 4.483    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.600%  |
| 46) 2-Hexanone-d5             | 8.095  | 63    | 58685    | 44.575   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 89.140%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 32580    | 4.606    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 62314    | 5.172    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 103.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.310  | 62    | 31124    | 2.674    | ug/L   | 96       |
| 8) Chloroethane               | 1.580  | 64    | 2835     | 0.384    | ug/L   | 90       |
| 13) Acetone                   | 2.224  | 43    | 9323     | 7.814    | ug/L   | 75       |
| 14) Carbon disulfide          | 2.288  | 76    | 27218    | 0.900    | ug/L   | 100      |
| 16) Methylene chloride        | 2.503  | 84    | 7799     | 0.607    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 7564     | 0.738    | ug/L   | 90       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 22326    | 1.295    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 58502    | 5.950    | ug/L   | 98       |
| 25) Chloroform                | 4.378  | 83    | 12980    | 0.676    | ug/L   | 100      |
| 33) Benzene                   | 5.101  | 78    | 69292    | 1.888    | ug/L   | 100      |
| 34) Trichloroethene           | 5.918  | 95    | 2177     | 0.221    | ug/L   | 94       |
| 42) Toluene                   | 7.387  | 91    | 126140   | 3.169    | ug/L   | 97       |
| 51) Chlorobenzene             | 8.882  | 112   | 4587     | 0.174    | ug/L   | 95       |
| 52) Ethylbenzene              | 9.011  | 91    | 101480   | 2.439    | ug/L   | 100      |
| 53) m,p-xylene                | 9.136  | 106   | 72806    | 4.397    | ug/L   | 99       |
| 54) o-xylene                  | 9.542  | 106   | 59575    | 3.783    | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.931  | 105   | 4435     | 0.109    | ug/L   | # 90     |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105   | 11929    | 0.352    | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105   | 21568    | 0.644    | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112621\  
Data File : VV023721.D  
Acq On : 26 Nov 2021 13:25  
Operator : SY/MD  
Sample : M4821-20  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
H4671

Quant Time: Nov 27 03:52:54 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Nov 27 03:48:32 2021  
Response via : Initial Calibration

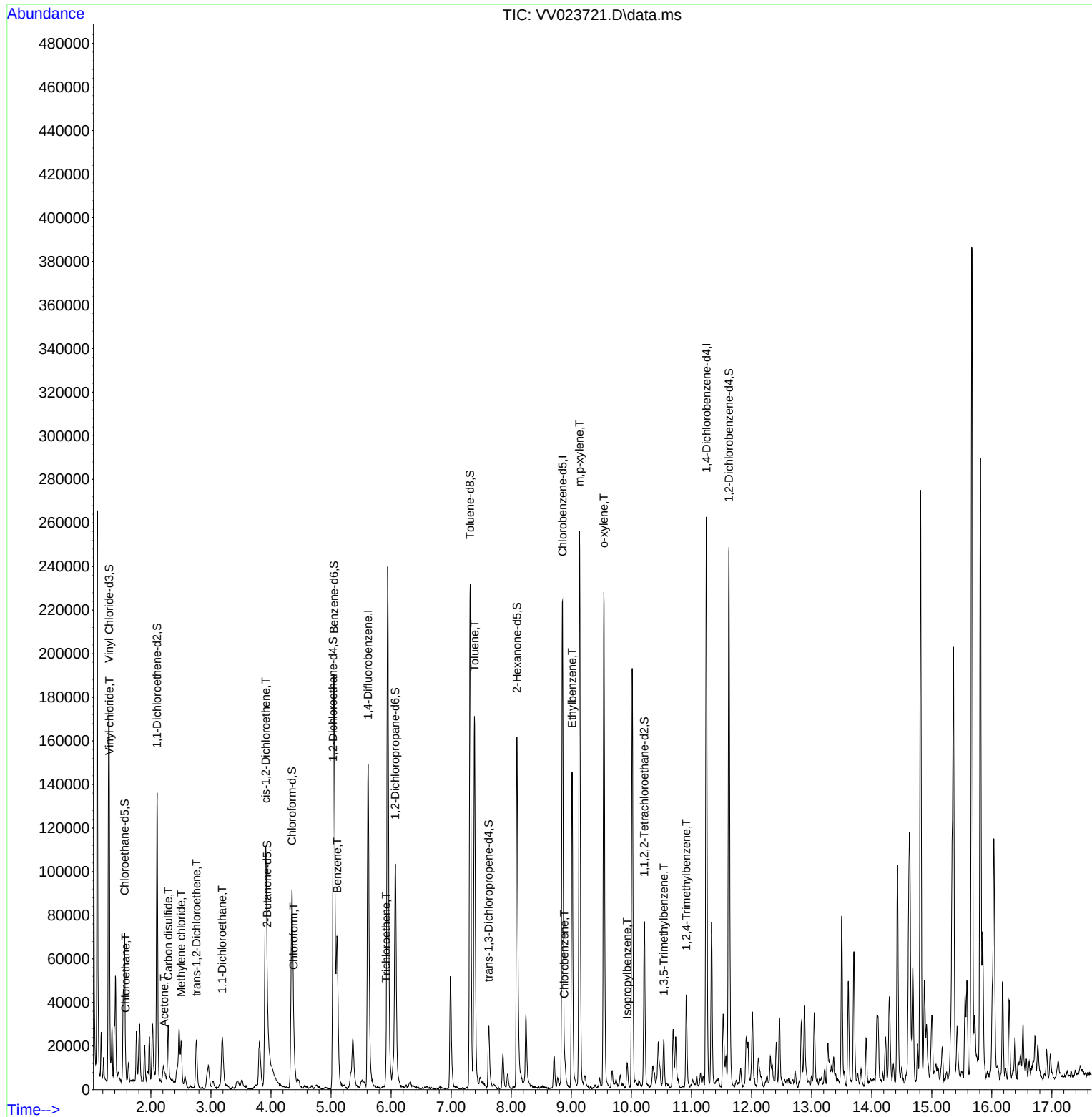
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |
| -----    |      |      |          |      |       |          |

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

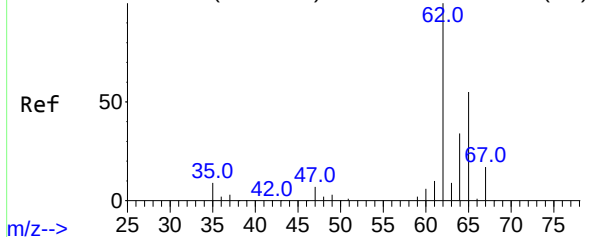
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112621\  
Data File : VV023721.D  
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Abundance Scan 84 (1.310 min): VV023716.D\data.ms (-76)



#5

Vinyl chloride

Concen: 2.674 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV023721.D

Acq: 26 Nov 2021 13:25

Instrument :

MSVOA\_V

ClientSampleId :

H4671

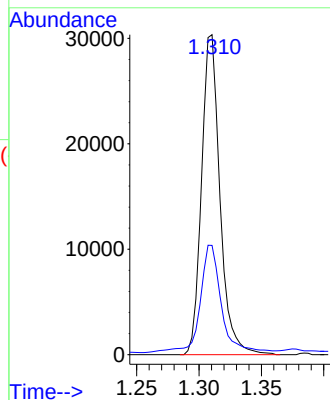
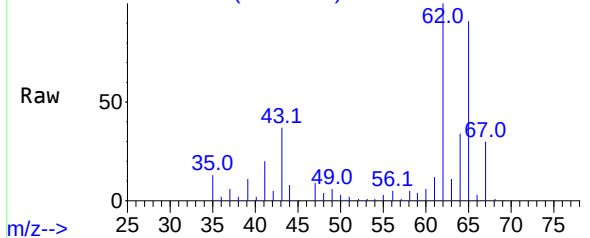
Tgt Ion: 62 Resp: 31124

Ion Ratio Lower Upper

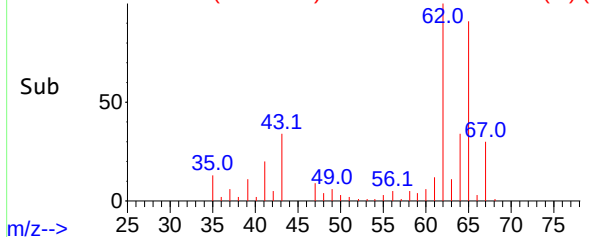
62 100

64 34.2 22.4 41.6

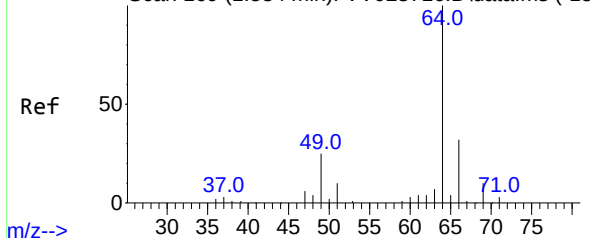
Abundance Scan 84 (1.310 min): VV023721.D\data.ms



Abundance Scan 84 (1.310 min): VV023721.D\data.ms (-1)



Abundance Scan 169 (1.584 min): VV023716.D\data.ms (-15)



#8

Chloroethane

Concen: 0.384 ug/L

RT: 1.580 min Scan# 168

Delta R.T. -0.003 min

Lab File: VV023721.D

Acq: 26 Nov 2021 13:25

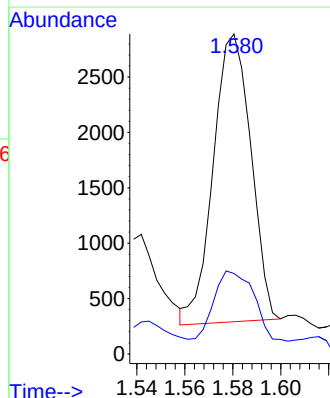
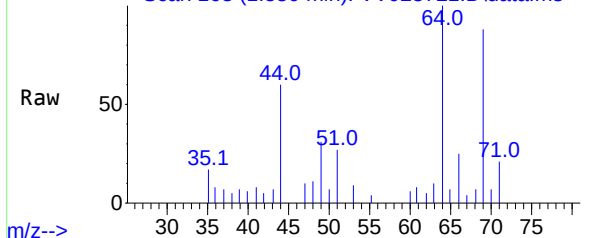
Tgt Ion: 64 Resp: 2835

Ion Ratio Lower Upper

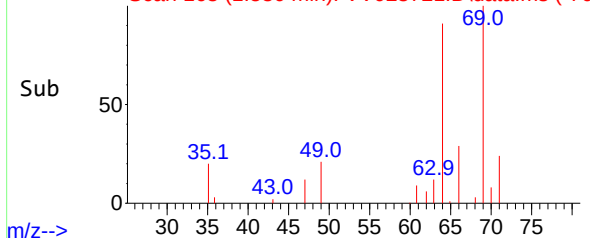
64 100

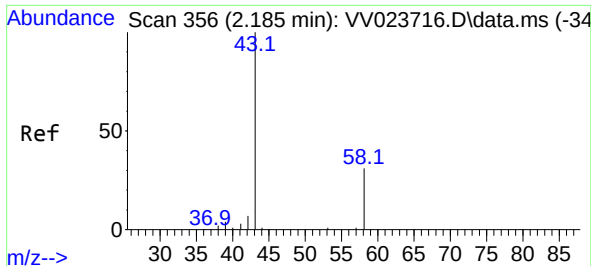
66 25.1 21.4 39.8

Abundance Scan 168 (1.580 min): VV023721.D\data.ms



Abundance Scan 168 (1.580 min): VV023721.D\data.ms (-76)

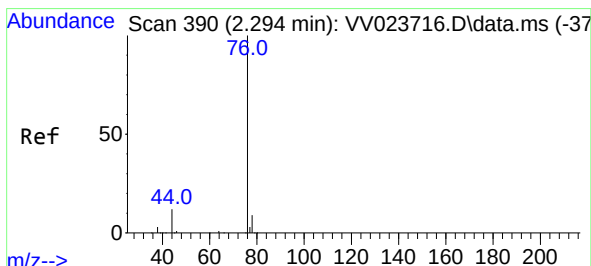
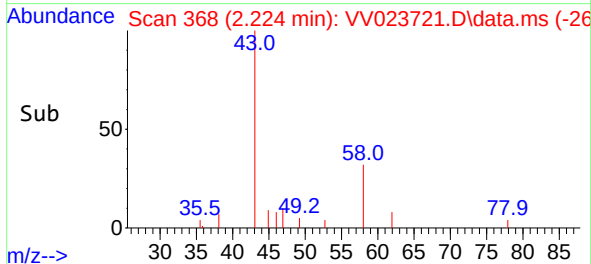
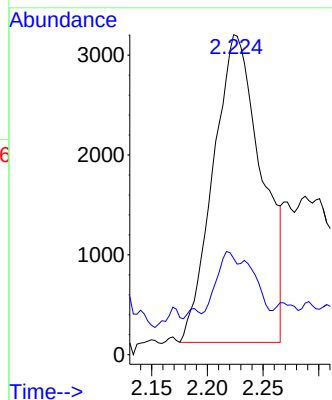
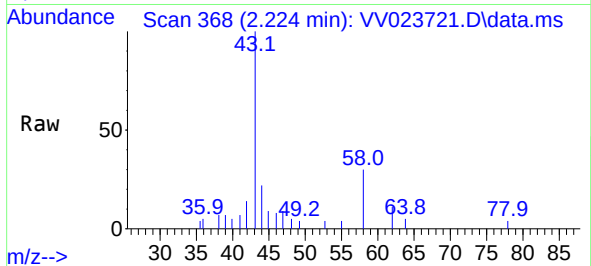




#13  
Acetone  
Concen: 7.814 ug/L  
RT: 2.224 min Scan# 308  
Delta R.T. 0.039 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

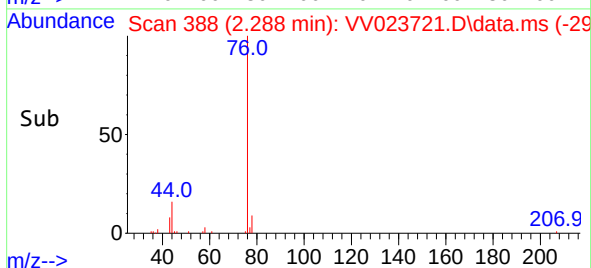
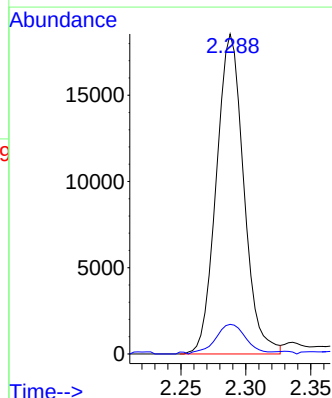
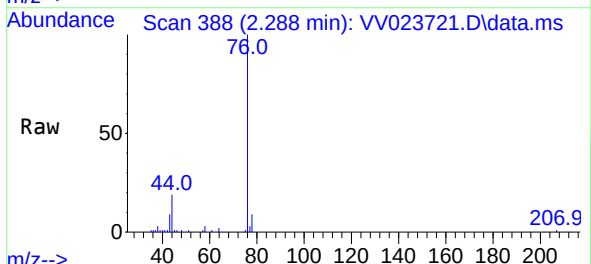
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4671

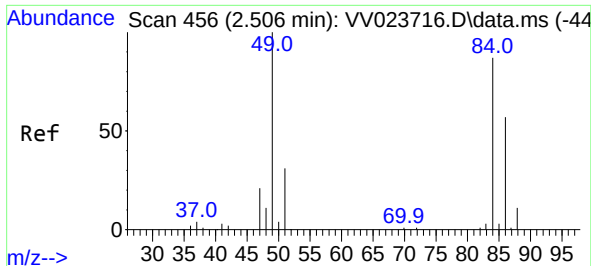
Tgt Ion: 43 Resp: 9323  
Ion Ratio Lower Upper  
43 100  
58 9.1 0.0 41.4



#14  
Carbon disulfide  
Concen: 0.900 ug/L  
RT: 2.288 min Scan# 388  
Delta R.T. -0.006 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

Tgt Ion: 76 Resp: 27218  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.5 11.3

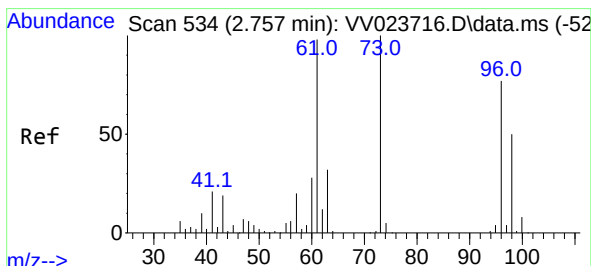
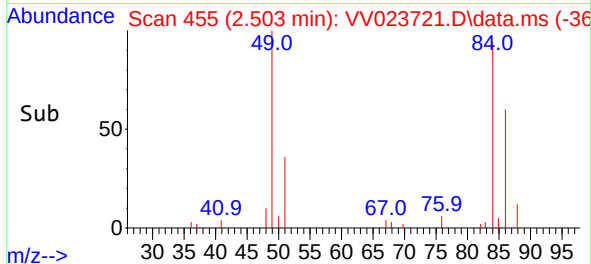
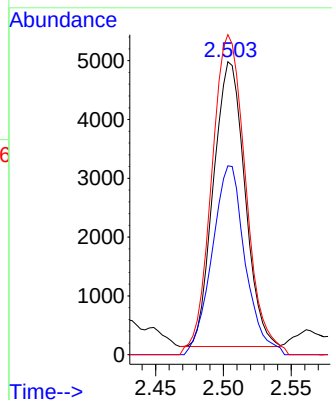
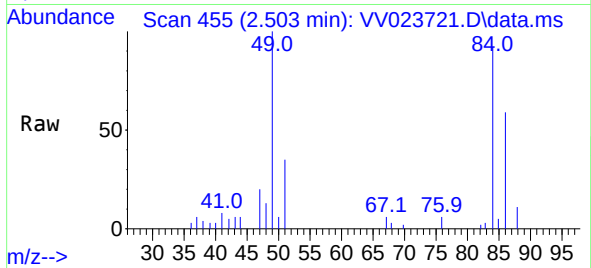




#16  
Methylene chloride  
Concen: 0.607 ug/L  
RT: 2.503 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

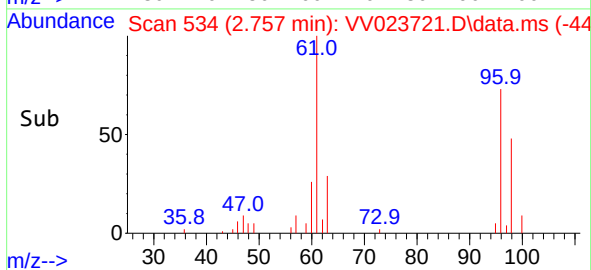
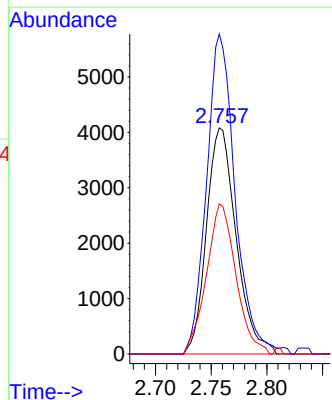
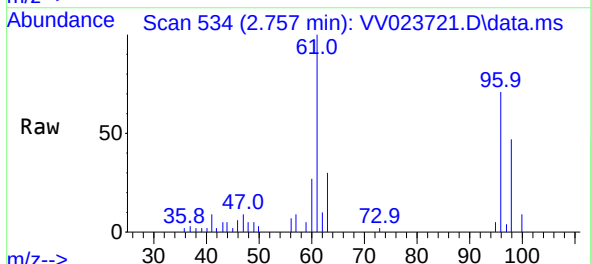
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4671

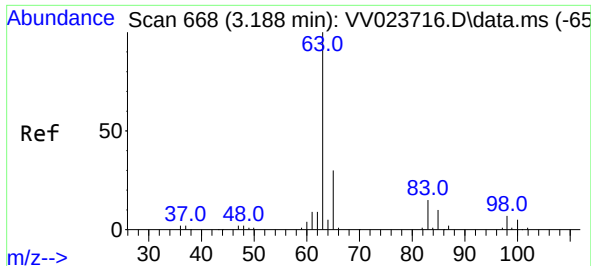
Tgt Ion: 84 Resp: 7799  
Ion Ratio Lower Upper  
84 100  
86 64.5 42.6 79.0  
49 109.2 79.7 147.9



#18  
trans-1,2-Dichloroethene  
Concen: 0.738 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. -0.000 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

Tgt Ion: 96 Resp: 7564  
Ion Ratio Lower Upper  
96 100  
61 141.5 88.2 163.8  
98 66.4 44.9 83.5

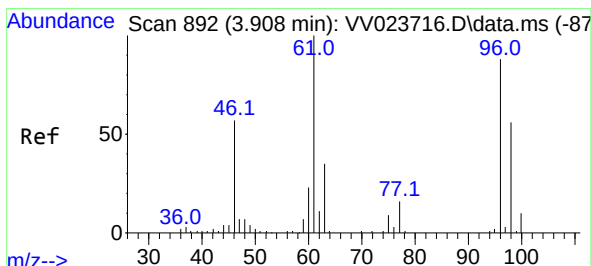
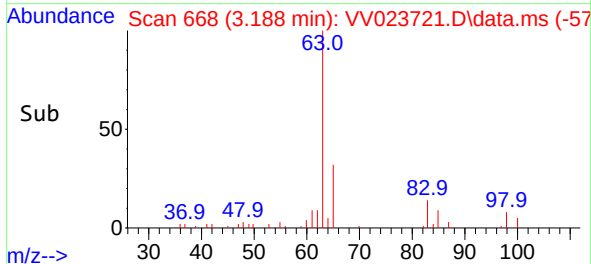
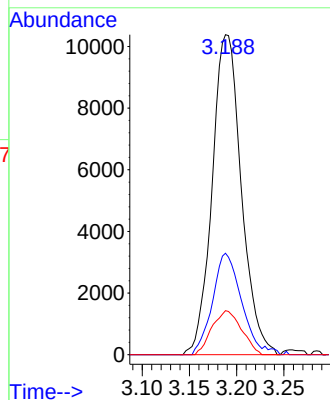
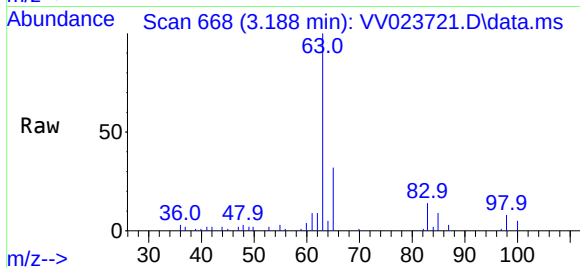




#19  
1,1-Dichloroethane  
Concen: 1.295 ug/L  
RT: 3.188 min Scan# 60  
Delta R.T. -0.000 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

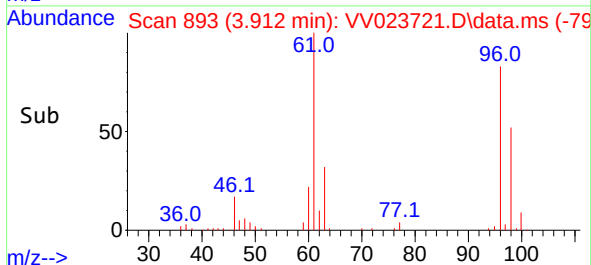
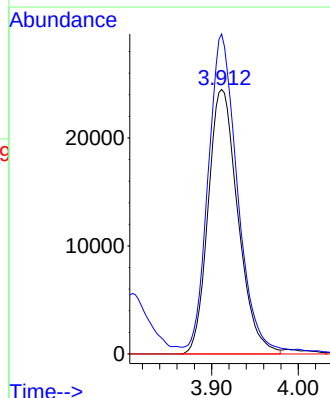
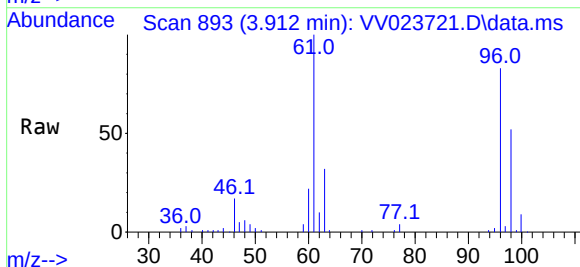
Instrument :  
MSVOA\_V  
ClientSampleId :  
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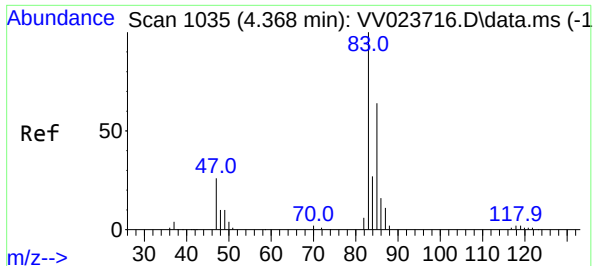
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 22326 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 31.7  | 22.3  | 41.3  |
| 83       | 13.8  | 10.7  | 19.9  |



#22  
cis-1,2-Dichloroethene  
Concen: 5.950 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.003 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 58502 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 121.0 | 83.4  | 154.8 |
| 68       | 0.0   | 0.0   | 0.0   |





#25

Chloroform

Concen: 0.676 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VV023721.D

Acq: 26 Nov 2021 13:25

Instrument :

MSVOA\_V

ClientSampleId :

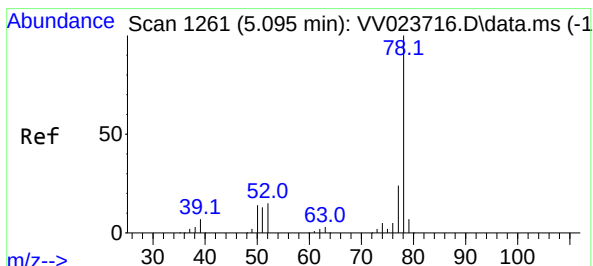
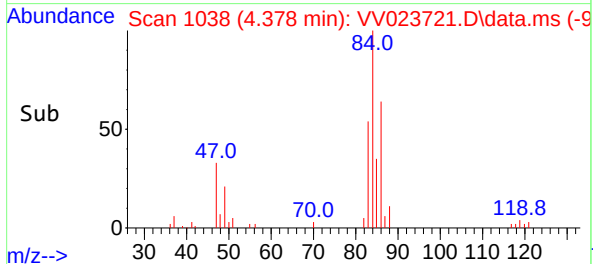
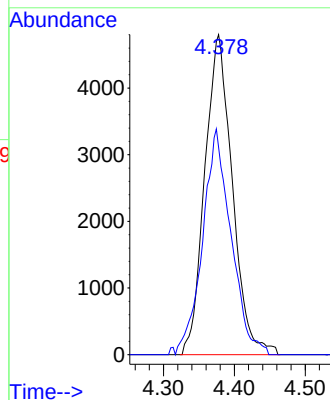
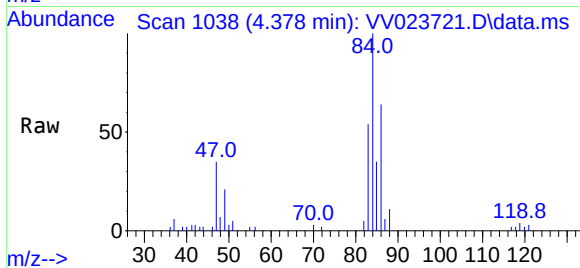
H4671

Tgt Ion: 83 Resp: 12980

Ion Ratio Lower Upper

83 100

85 64.8 45.2 84.0



#33

Benzene

Concen: 1.888 ug/L

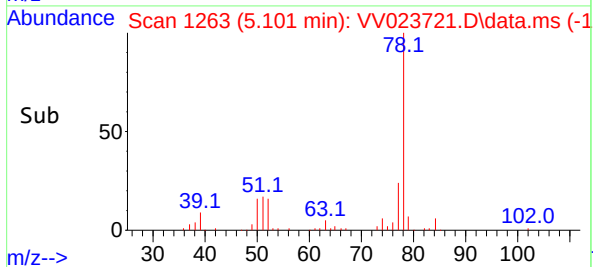
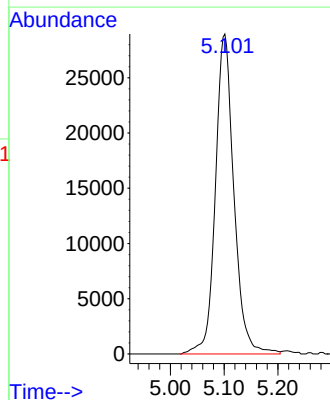
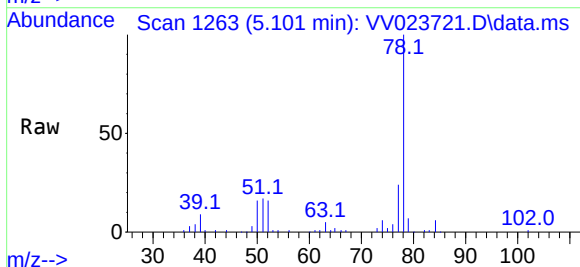
RT: 5.101 min Scan# 1263

Delta R.T. 0.006 min

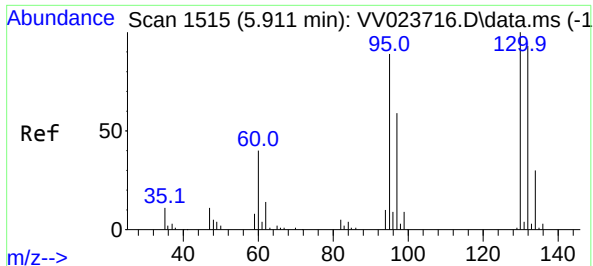
Lab File: VV023721.D

Acq: 26 Nov 2021 13:25

Tgt Ion: 78 Resp: 69292







#34

Trichloroethene

Concen: 0.221 ug/L

RT: 5.918 min Scan# 1

Delta R.T. 0.006 min

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Acq: 26 Nov 2021 13:25

Instrument :

MSVOA\_V

ClientSampleId :

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Tgt Ion: 95 Resp: 2177

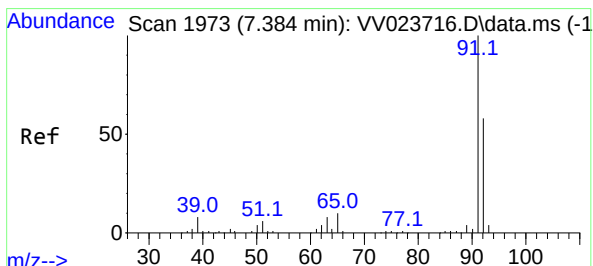
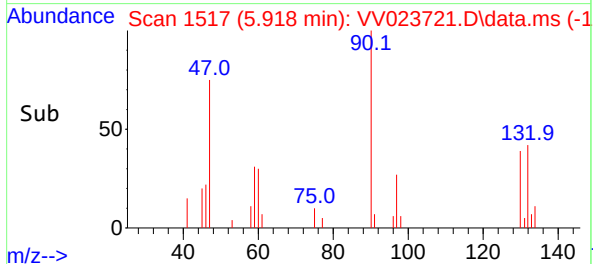
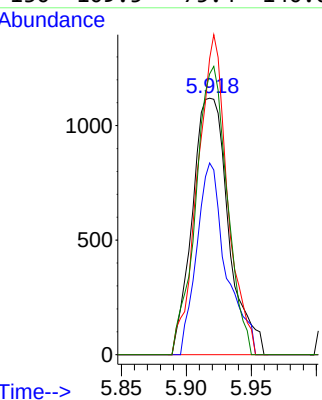
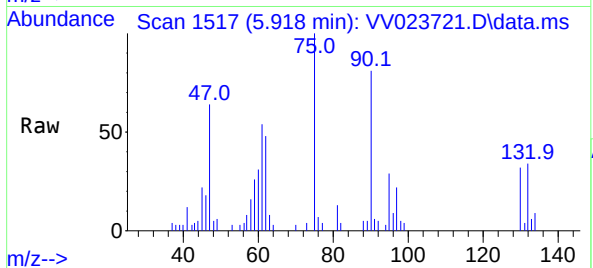
Ion Ratio Lower Upper

95 100

97 74.7 45.2 84.0

132 115.4 76.1 141.3

130 109.5 75.4 140.0



#42

Toluene

Concen: 3.169 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV023721.D

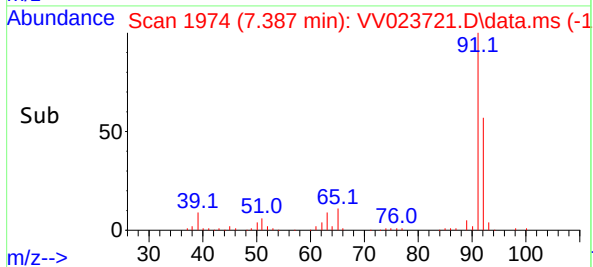
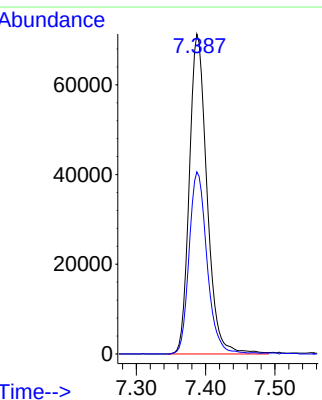
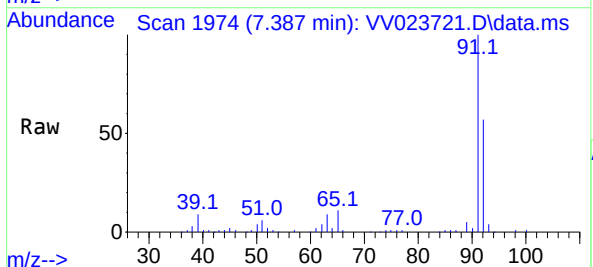
Acq: 26 Nov 2021 13:25

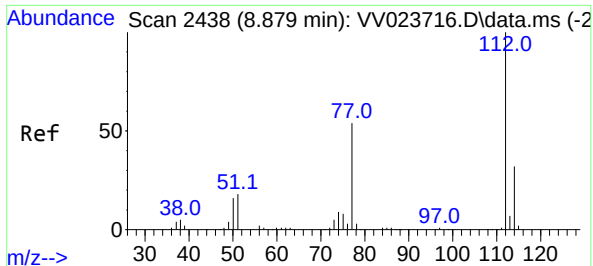
Tgt Ion: 91 Resp: 126140

Ion Ratio Lower Upper

91 100

92 56.9 41.5 77.1

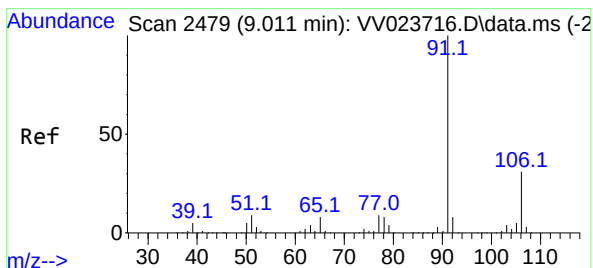
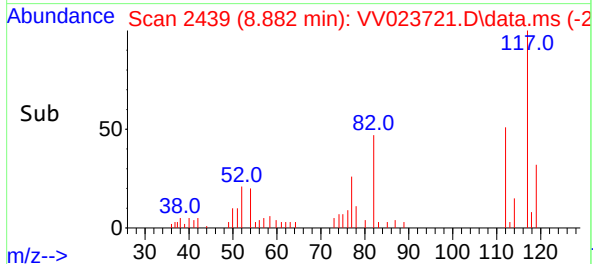
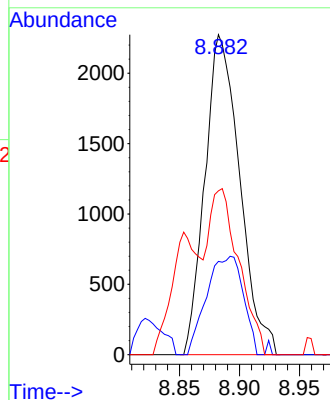
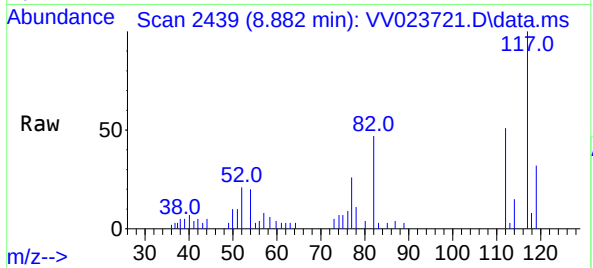




#51  
Chlorobenzene  
Concen: 0.174 ug/L  
RT: 8.882 min Scan# 2438  
Delta R.T. 0.003 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

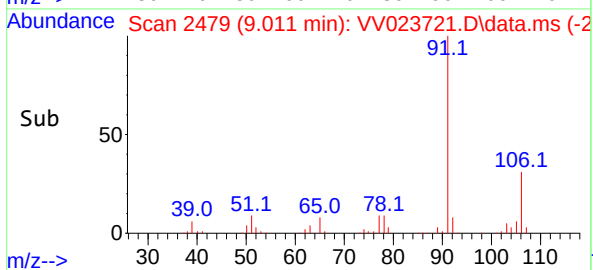
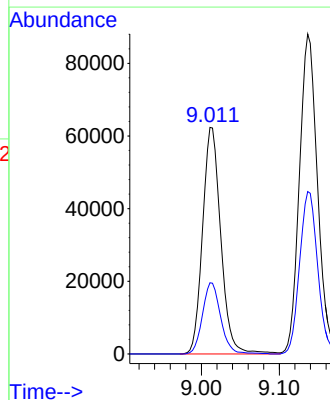
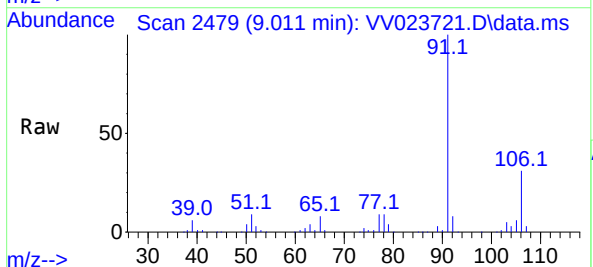
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4671

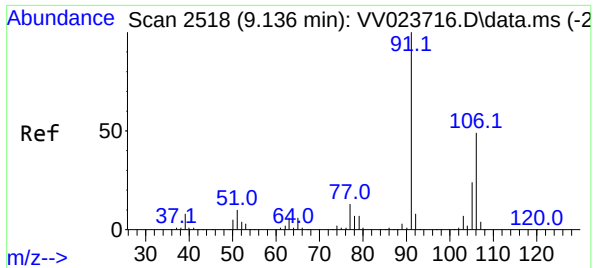
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 4587  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 29.2  | 23.3  | 43.3  |
| 77       | 51.2  | 43.3  | 64.9  |



#52  
Ethylbenzene  
Concen: 2.439 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. -0.000 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 101480 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 106      | 31.4  | 22.0  | 41.0   |

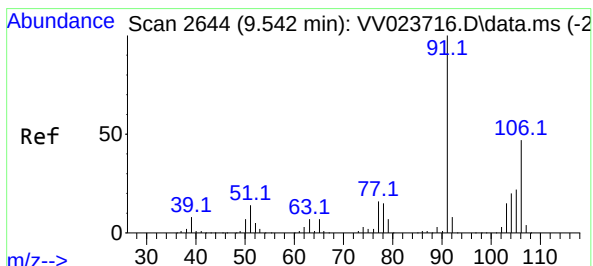
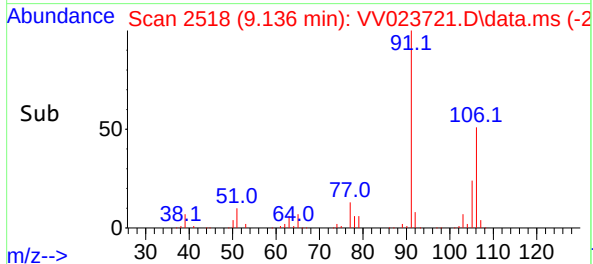
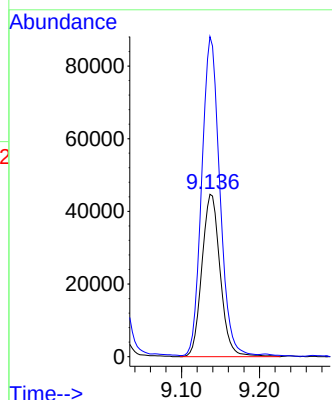
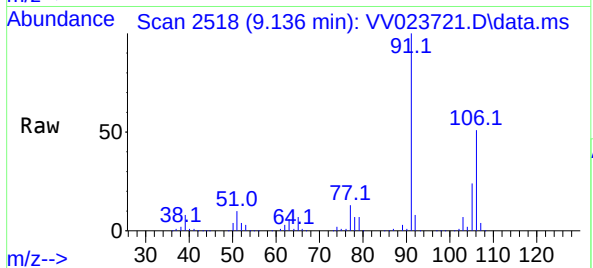




#53  
m,p-xylene  
Concen: 4.397 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.000 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

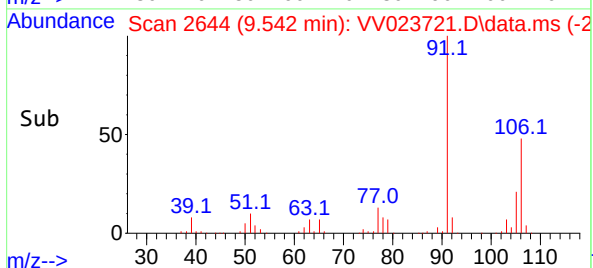
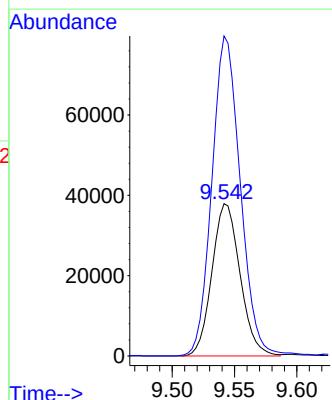
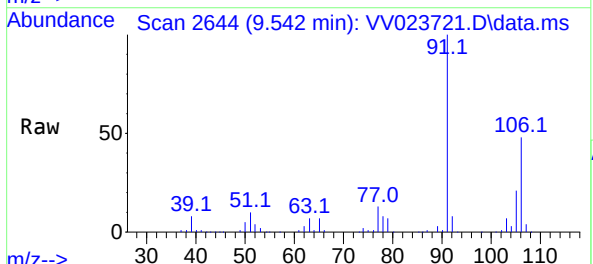
Instrument :  
MSVOA\_V  
ClientSampleId :  
H4671

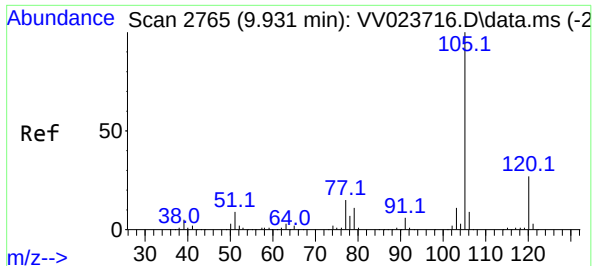
Tgt Ion:106 Resp: 72806  
Ion Ratio Lower Upper  
106 100  
91 197.1 139.5 259.1



#54  
o-xylene  
Concen: 3.783 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

Tgt Ion:106 Resp: 59575  
Ion Ratio Lower Upper  
106 100  
91 210.0 147.9 274.7

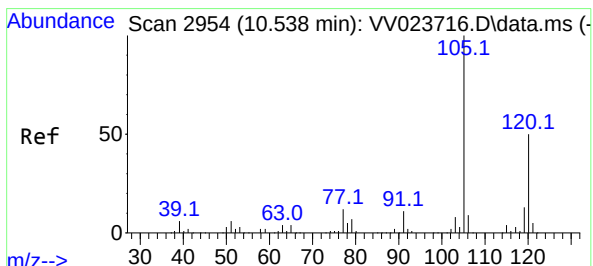
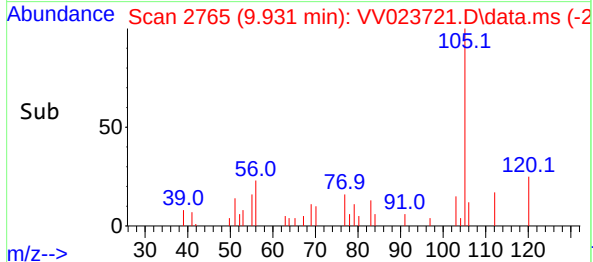
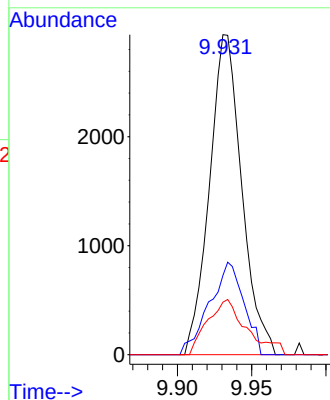
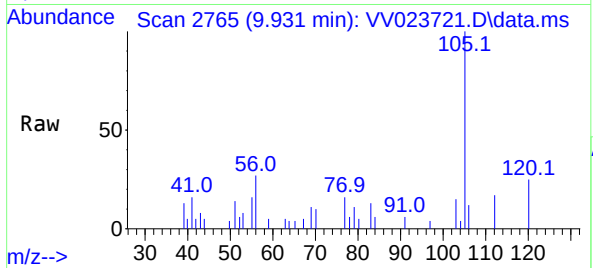




#60  
Isopropylbenzene  
Concen: 0.109 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

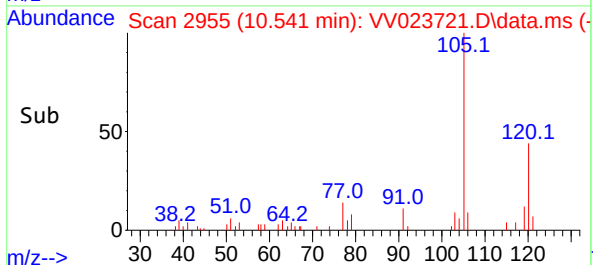
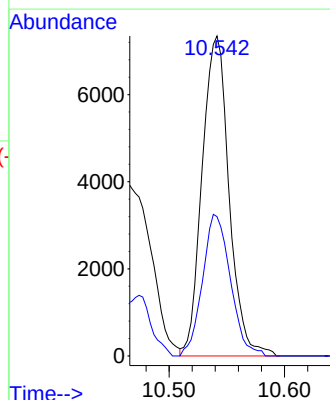
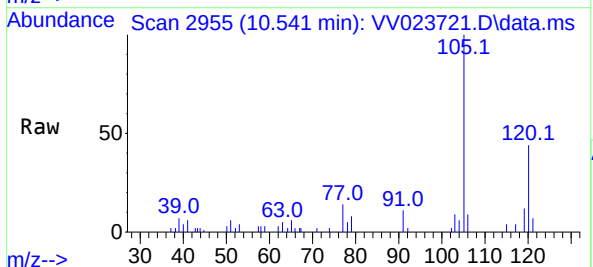
Instrument :  
MSVOA\_V  
ClientSampleId :  
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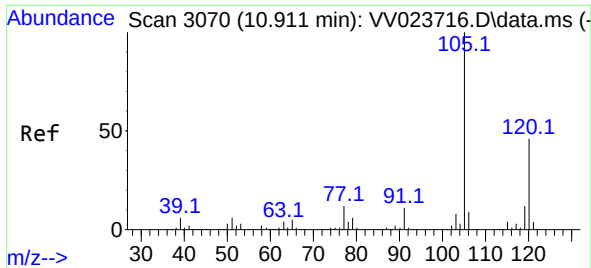
Tgt Ion:105 Resp: 4435  
Ion Ratio Lower Upper  
105 100  
120 30.7 21.4 32.0  
77 20.9 12.2 18.4#



#62  
1,3,5-Trimethylbenzene  
Concen: 0.352 ug/L  
RT: 10.541 min Scan# 2955  
Delta R.T. 0.003 min  
Lab File: VV023721.D  
Acq: 26 Nov 2021 13:25

Tgt Ion:105 Resp: 11929  
Ion Ratio Lower Upper  
105 100  
120 45.7 40.1 60.1





#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.644 ug/L  
 RT: 10.914 min Scan# 3071  
 Delta R.T. 0.003 min  
 Lab File: VV023721.D  
 Acq: 26 Nov 2021 13:25

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4671

Tgt Ion:105 Resp: 21568  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 36.7 55.1

