

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112221\  
 Data File : VU045916.D  
 Acq On : 22 Nov 2021 16:01  
 Operator : SY/MD  
 Sample : PB140933ZHE#01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB140933ZHE#01

Quant Time: Nov 23 05:15:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

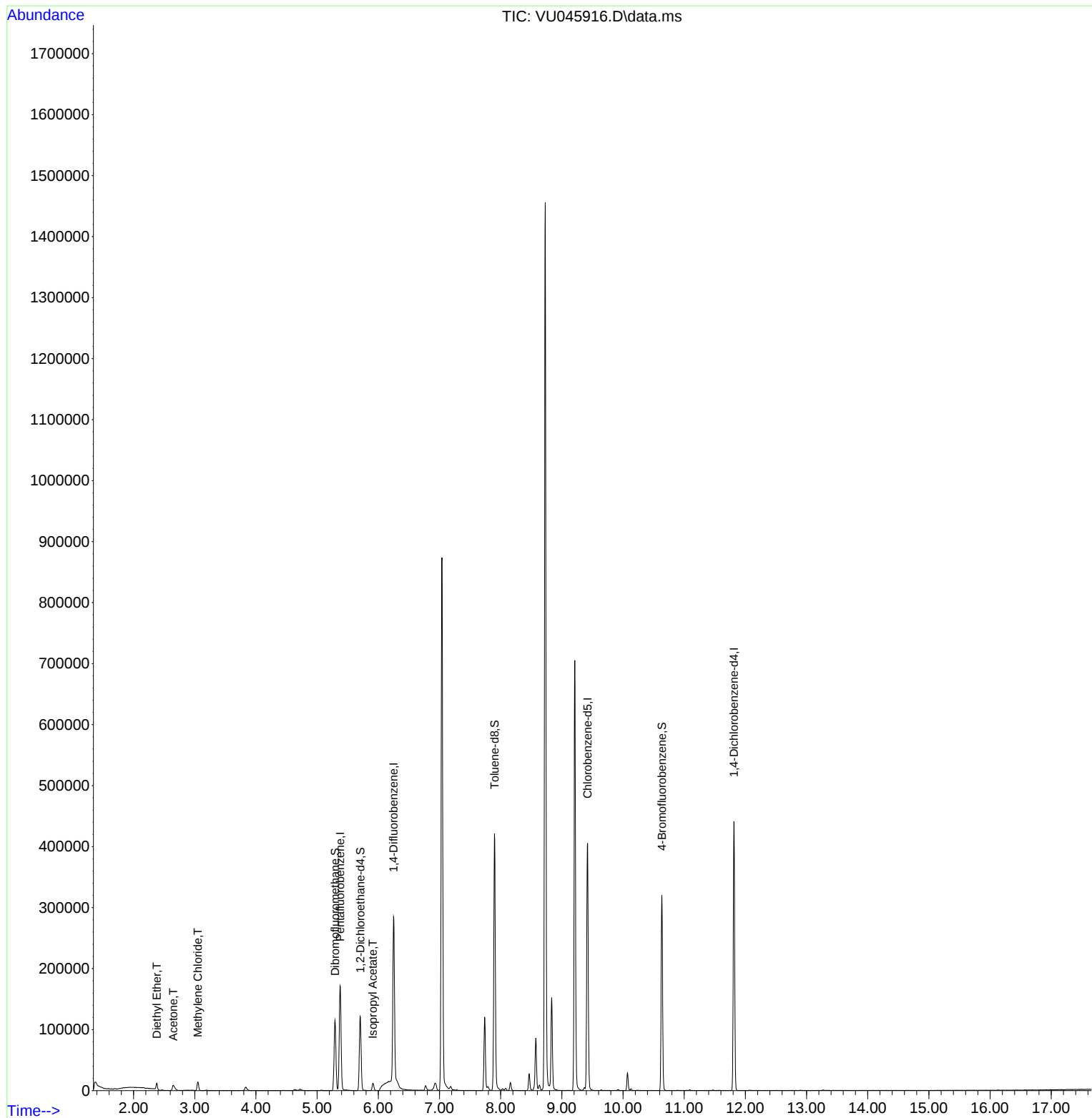
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.375     | 168   | 114404   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.250     | 114   | 218119   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.420     | 117   | 228051   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.812    | 152   | 113231   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.706     | 65    | 90078    | 52.575   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | =      | 105.140% |
| 35) Dibromofluoromethane    | 5.292     | 113   | 73898    | 50.745   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 101.480% |
| 50) Toluene-d8              | 7.899     | 98    | 283110   | 52.282   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | =      | 104.560% |
| 62) 4-Bromofluorobenzene    | 10.636    | 95    | 110297   | 50.795   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 101.580% |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 8) Diethyl Ether            | 2.379     | 74    | 3645     | 4.212    | ug/l   | 84       |
| 16) Acetone                 | 2.649     | 43    | 16537    | 18.961   | ug/l   | 95       |
| 20) Methylene Chloride      | 3.051     | 84    | 6901     | 4.554    | ug/l   | 94       |
| 43) Isopropyl Acetate       | 5.912     | 43    | 13774    | 3.686    | ug/l   | 98       |
| -----                       |           |       |          |          |        |          |

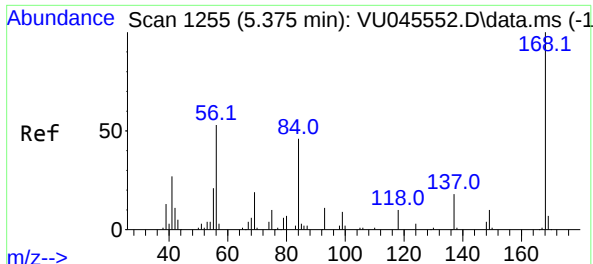
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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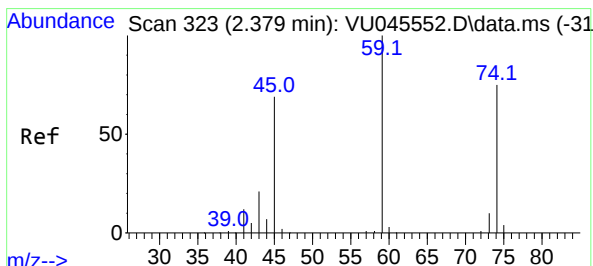
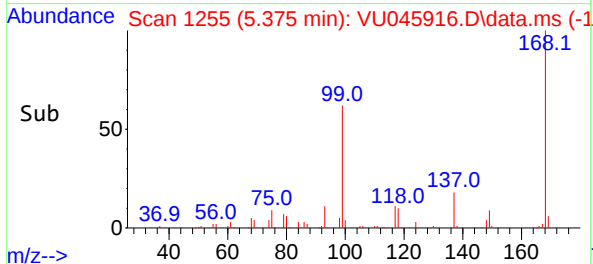
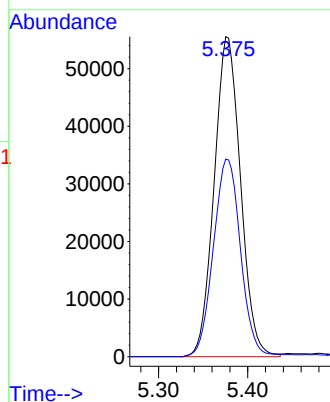
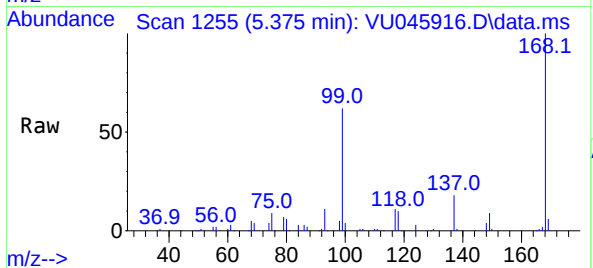




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.375 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

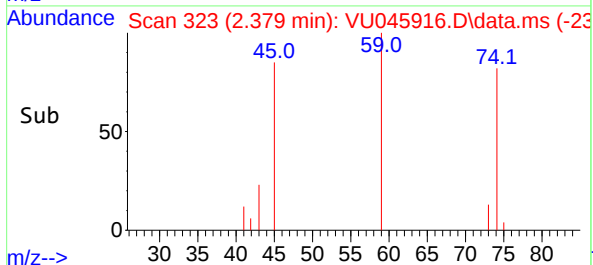
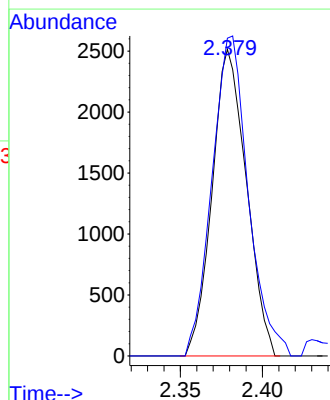
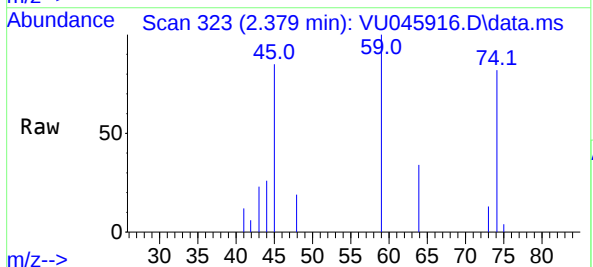
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ClientSampleId :  
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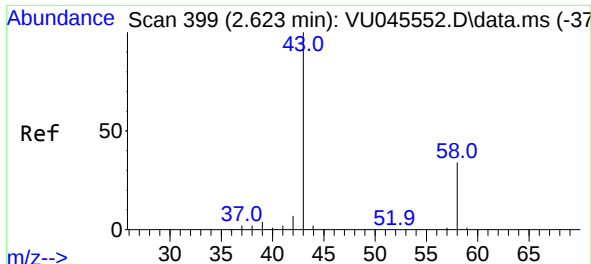
Tgt Ion:168 Resp: 114404  
Ion Ratio Lower Upper  
168 100  
99 61.7 51.0 76.6



#8  
Diethyl Ether  
Concen: 4.212 ug/l  
RT: 2.379 min Scan# 323  
Delta R.T. 0.000 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

Tgt Ion: 74 Resp: 3645  
Ion Ratio Lower Upper  
74 100  
45 110.4 47.3 141.8

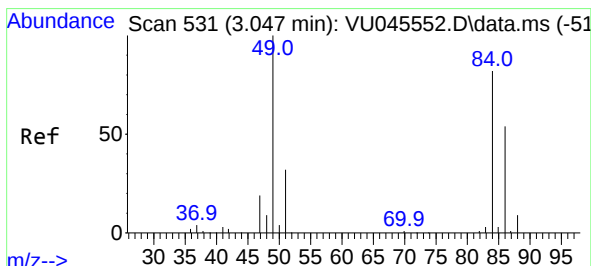
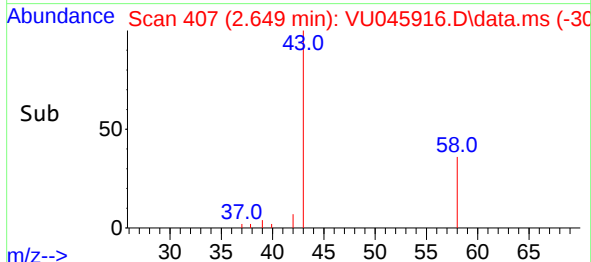
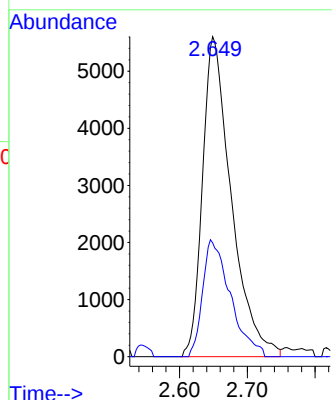
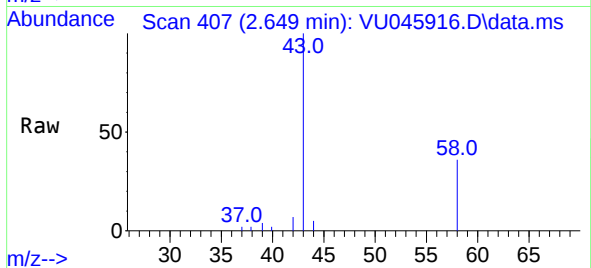




#16  
Acetone  
Concen: 18.961 ug/l  
RT: 2.649 min Scan# 40  
Delta R.T. 0.026 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

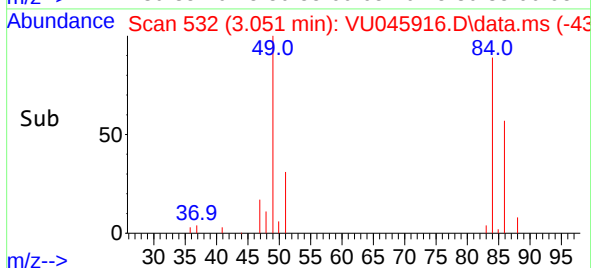
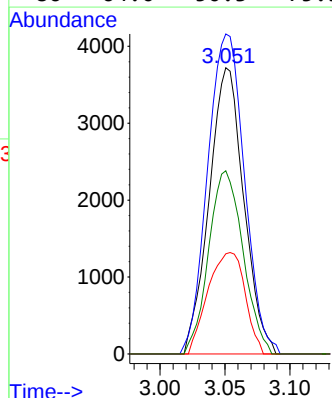
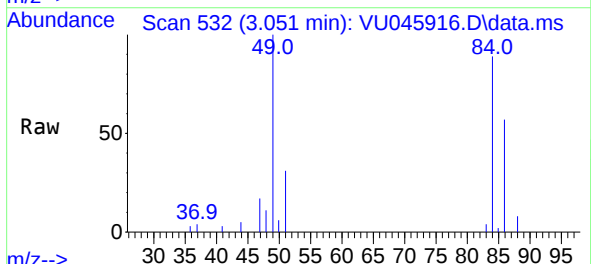
Instrument :  
MSVOA\_U  
ClientSampleId :  
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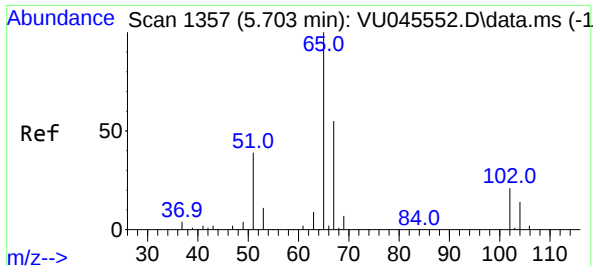
Tgt Ion: 43 Resp: 16537  
Ion Ratio Lower Upper  
43 100  
58 35.6 26.2 39.2



#20  
Methylene Chloride  
Concen: 4.554 ug/l  
RT: 3.051 min Scan# 532  
Delta R.T. 0.003 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

Tgt Ion: 84 Resp: 6901  
Ion Ratio Lower Upper  
84 100  
49 111.8 96.4 144.6  
51 35.0 30.5 45.7  
86 64.0 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 52.575 ug/l

RT: 5.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

Instrument :

MSVOA\_U

ClientSampleId :

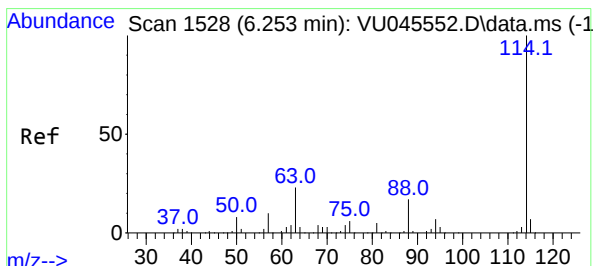
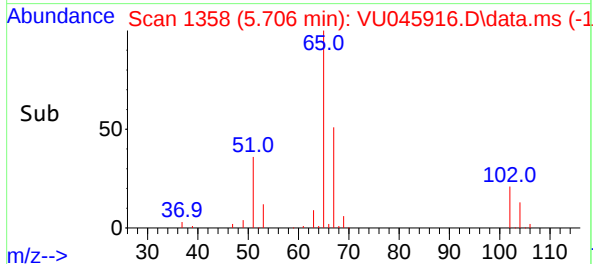
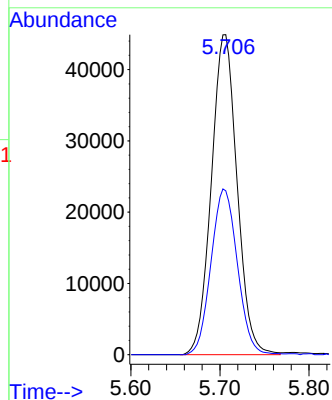
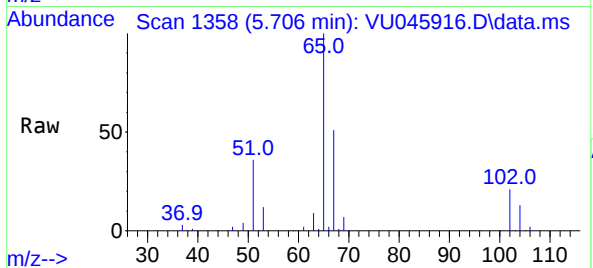
PB140933ZHE#01

Tgt Ion: 65 Resp: 90078

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.003 min

Lab File: VU045916.D

Acq: 22 Nov 2021 16:01

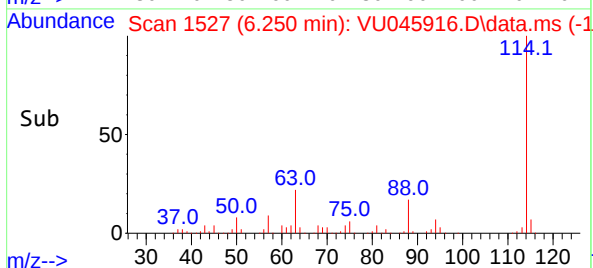
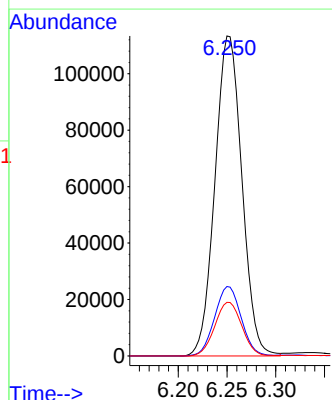
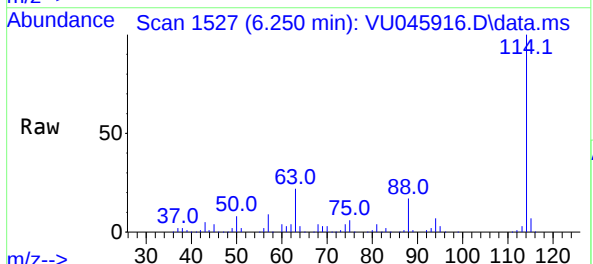
Tgt Ion: 114 Resp: 218119

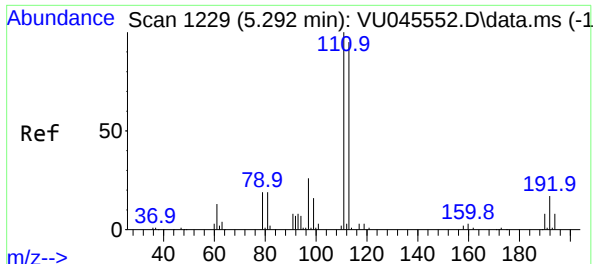
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.6

88 16.8 0.0 33.8

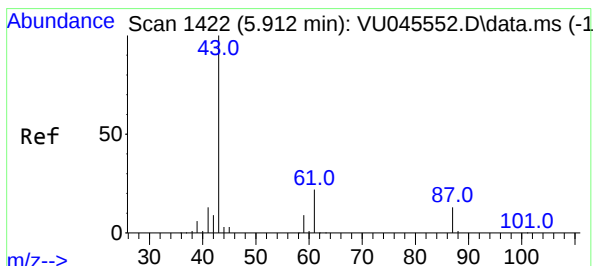
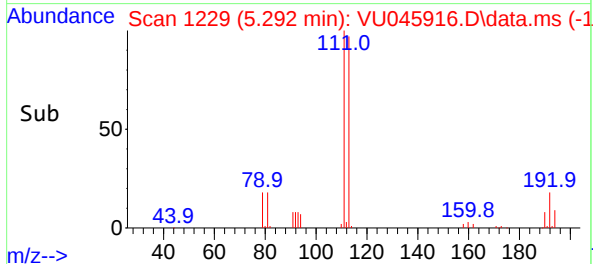
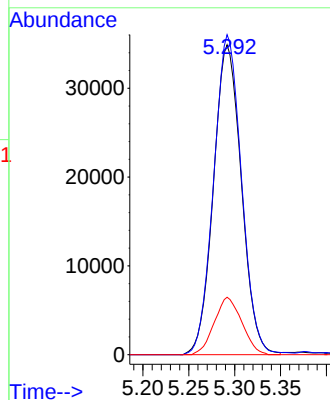
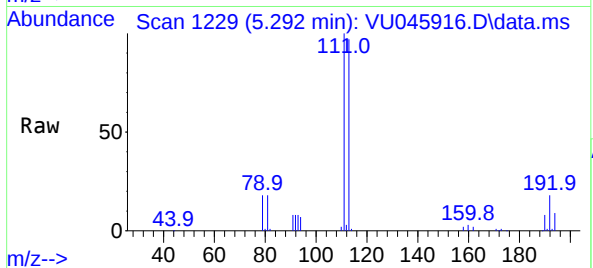




#35  
Dibromofluoromethane  
Concen: 50.745 ug/l  
RT: 5.292 min Scan# 1113  
Delta R.T. 0.000 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

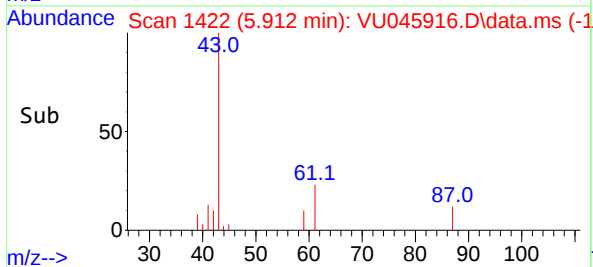
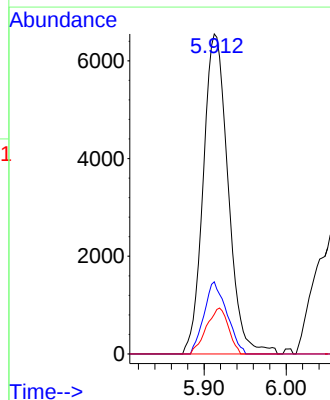
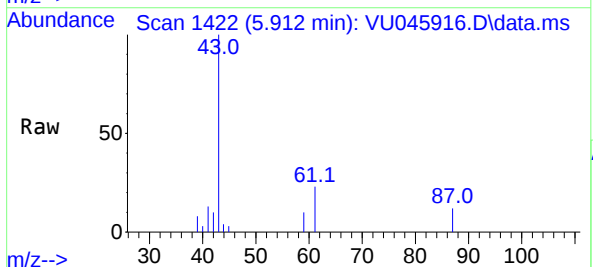
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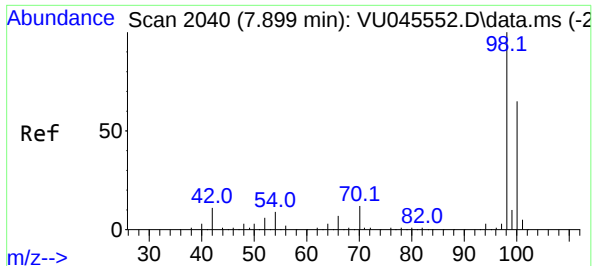
Tgt Ion:113 Resp: 73898  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.8 124.2  
192 18.3 14.8 22.2



#43  
Isopropyl Acetate  
Concen: 3.686 ug/l  
RT: 5.912 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

Tgt Ion: 43 Resp: 13774  
Ion Ratio Lower Upper  
43 100  
61 20.7 16.9 25.3  
87 12.7 11.0 16.4

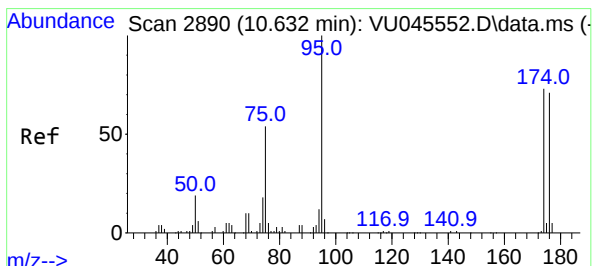
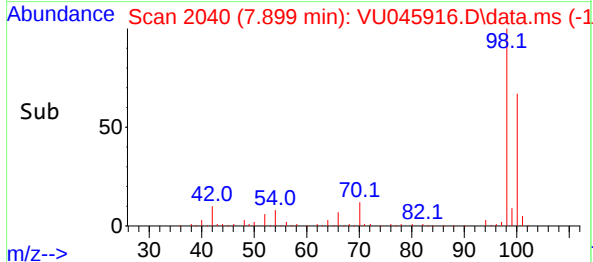
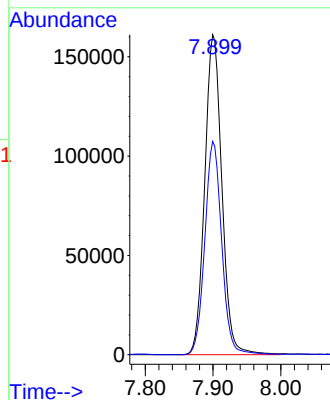
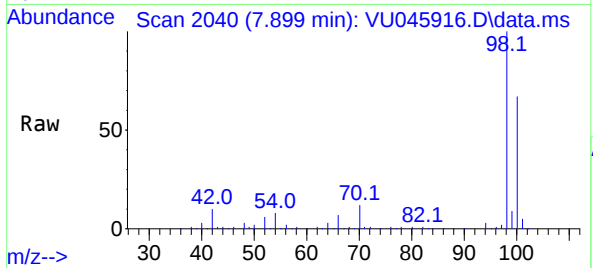




#50  
Toluene-d8  
Concen: 52.282 ug/l  
RT: 7.899 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

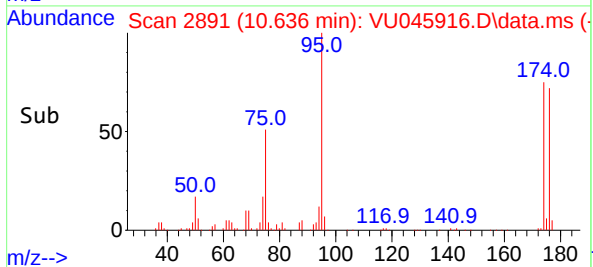
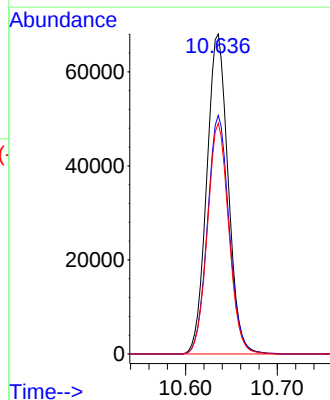
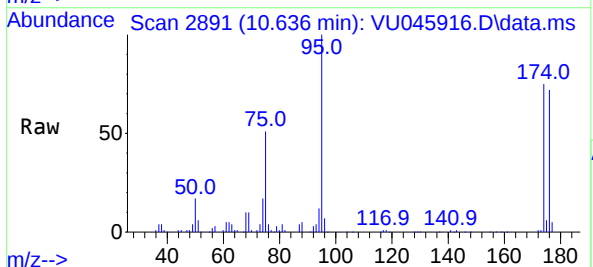
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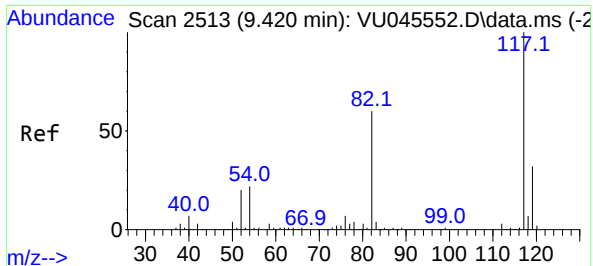
Tgt Ion: 98 Resp: 283110  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 50.795 ug/l  
RT: 10.636 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

Tgt Ion: 95 Resp: 110297  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 141.8  
176 72.0 0.0 138.2

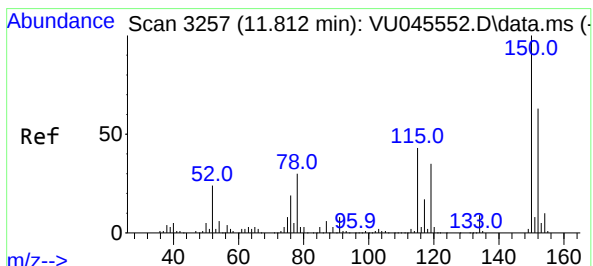
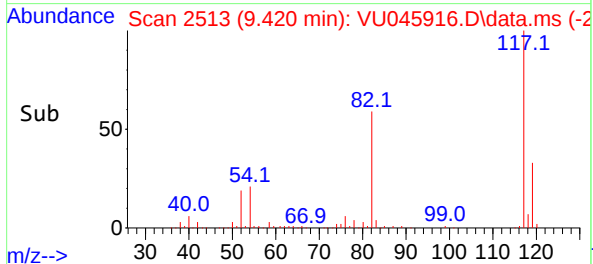
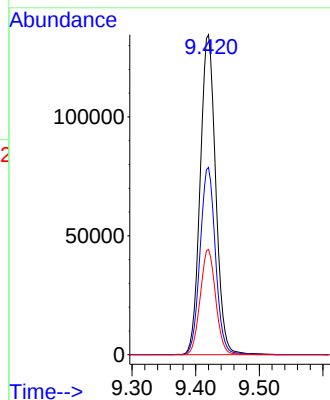
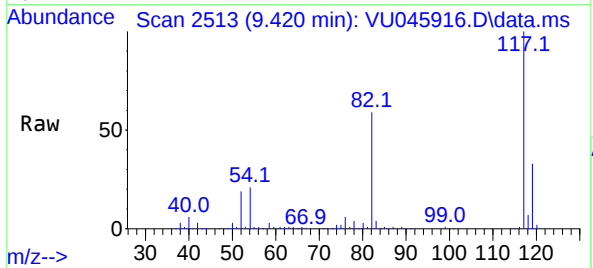




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
PB140933ZHE#01

Tgt Ion:117 Resp: 228051  
Ion Ratio Lower Upper  
117 100  
82 58.5 47.8 71.8  
119 32.9 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.000 min  
Lab File: VU045916.D  
Acq: 22 Nov 2021 16:01

Tgt Ion:152 Resp: 113231  
Ion Ratio Lower Upper  
152 100  
115 62.4 42.7 128.1  
150 156.6 0.0 346.8

