

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022221\  
 Data File : VU042394.D  
 Acq On : 22 Feb 2021 15:00  
 Operator : SY/MD  
 Sample : M1457-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TB-021921

Quant Time: Feb 22 16:05:44 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 19 02:55:52 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) Pentafluorobenzene       | 5.385  | 168  | 190334   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.256  | 114  | 284812   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.427  | 117  | 258412   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.819 | 152  | 123942   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.713  | 65   | 137138   | 47.51 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 95.02% |          |
| 35) Dibromofluoromethane    | 5.298  | 113  | 96457    | 47.98 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 95.96% |          |
| 50) Toluene-d8              | 7.906  | 98   | 352494   | 48.96 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.92% |          |
| 62) 4-Bromofluorobenzene    | 10.639 | 95   | 128781   | 45.38 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 90.76% |          |

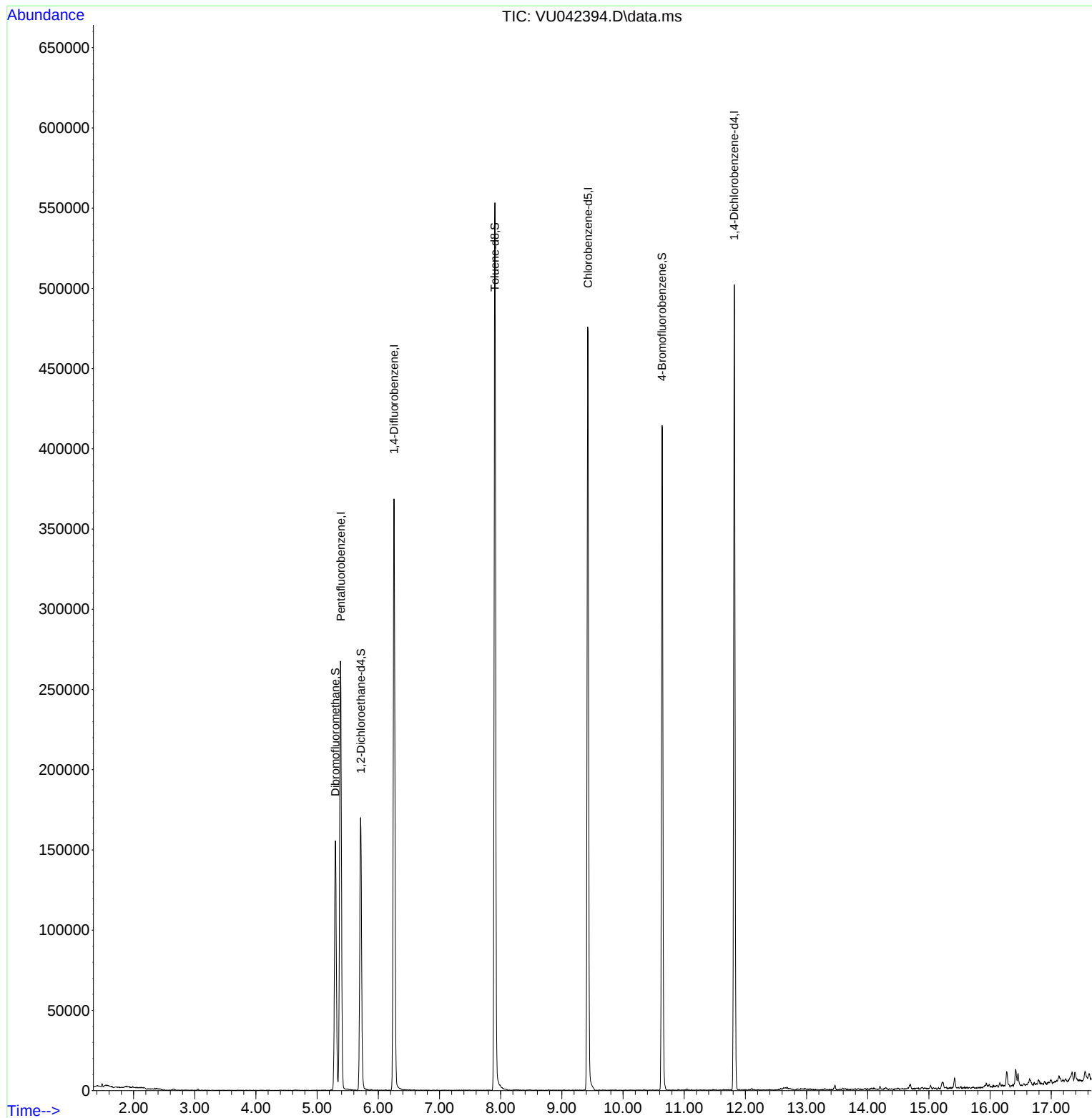
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

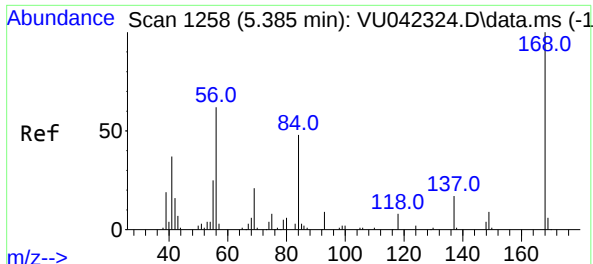
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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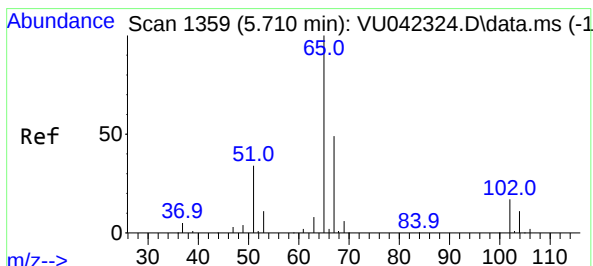
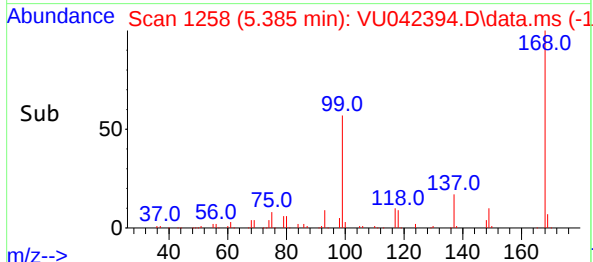
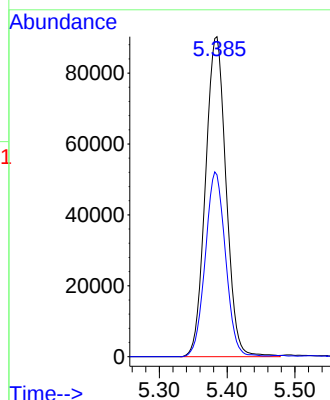
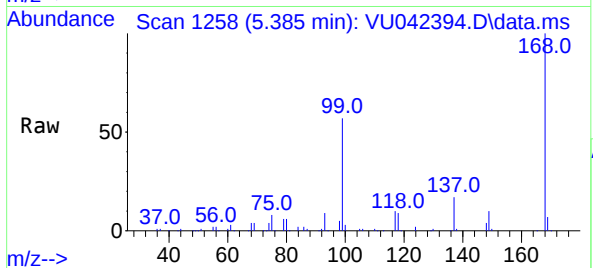




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.385 min Scan# 1258  
Delta R.T. -0.000 min  
Lab File: VU042394.D  
Acq: 22 Feb 2021 15:00

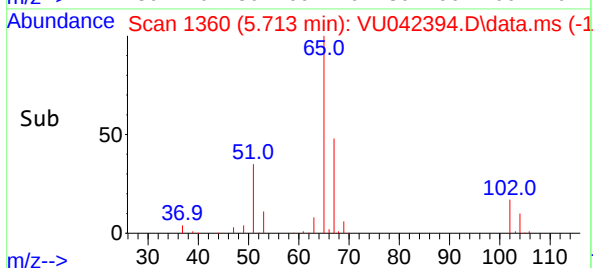
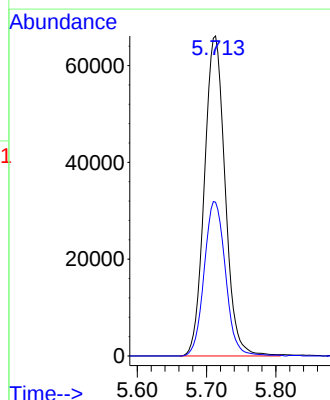
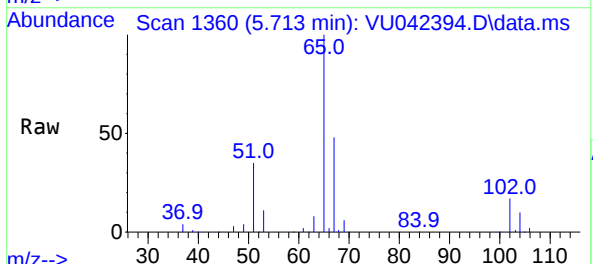
Instrument :  
MSVOA\_U  
ClientSampled :  
TB-021921

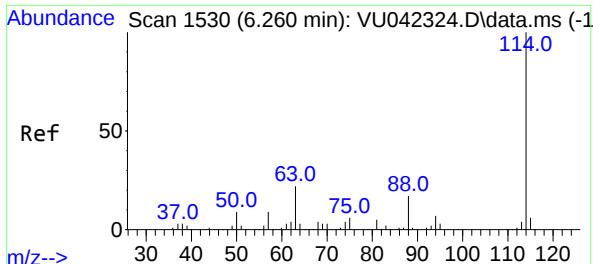
Tgt Ion:168 Resp: 190334  
Ion Ratio Lower Upper  
168 100  
99 56.8 45.0 67.4



#33  
1,2-Dichloroethane-d4  
Concen: 47.51 ug/l  
RT: 5.713 min Scan# 1360  
Delta R.T. 0.003 min  
Lab File: VU042394.D  
Acq: 22 Feb 2021 15:00

Tgt Ion: 65 Resp: 137138  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. -0.003 min

Lab File: VU042394.D

Acq: 22 Feb 2021 15:00

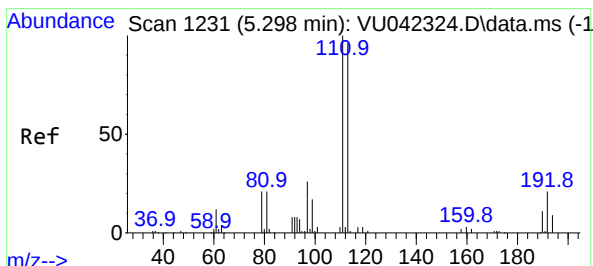
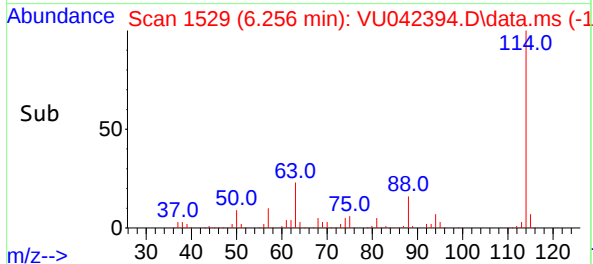
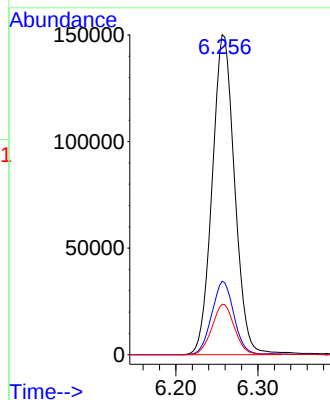
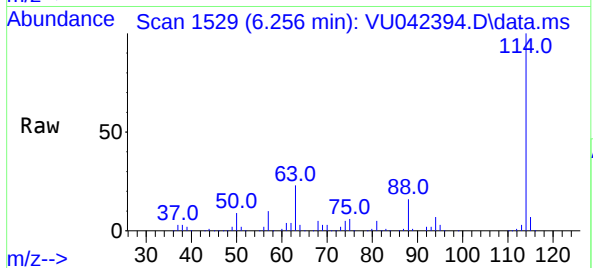
Tgt Ion:114 Resp: 284812

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.2

88 15.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.98 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VU042394.D

Acq: 22 Feb 2021 15:00

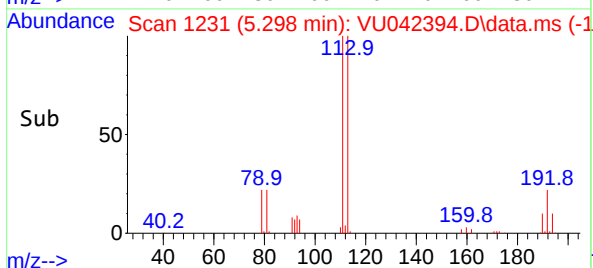
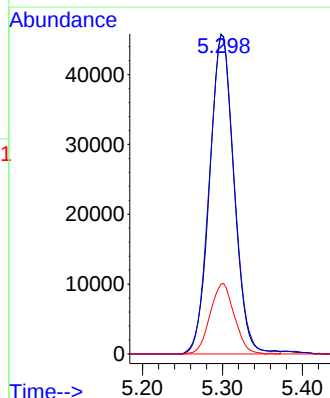
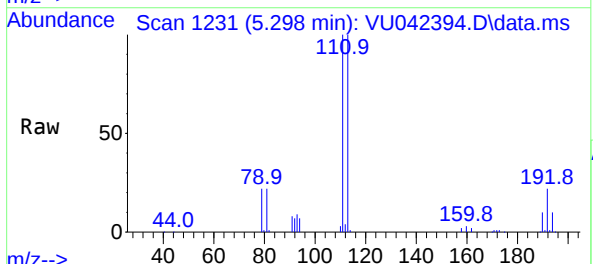
Tgt Ion:113 Resp: 96457

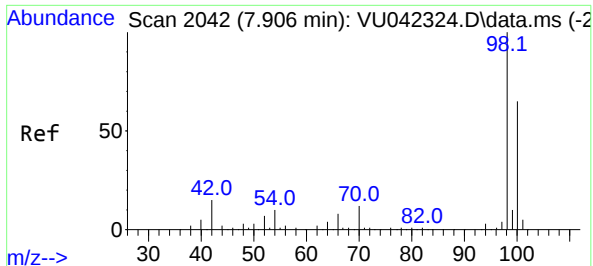
Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

192 22.0 17.2 25.8

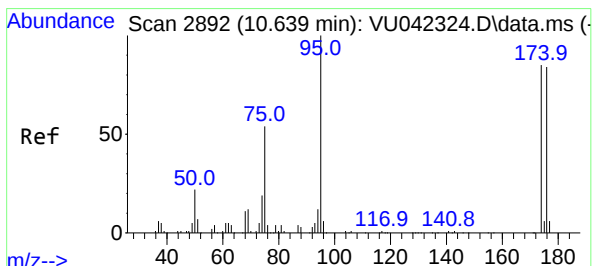
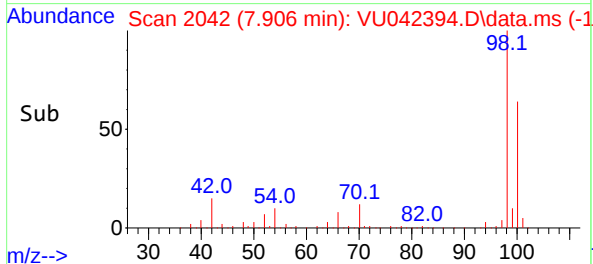
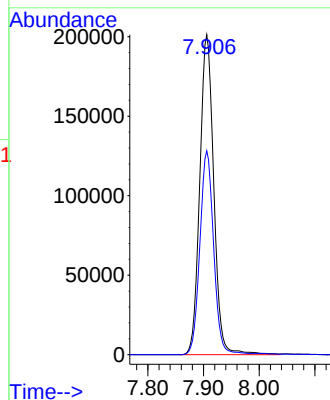
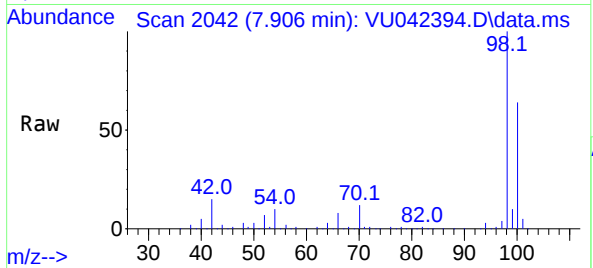




#50  
Toluene-d8  
Concen: 48.96 ug/l  
RT: 7.906 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: VU042394.D  
Acq: 22 Feb 2021 15:00

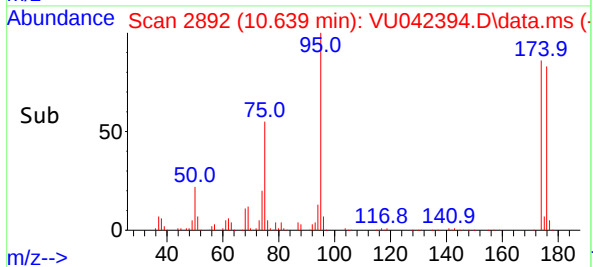
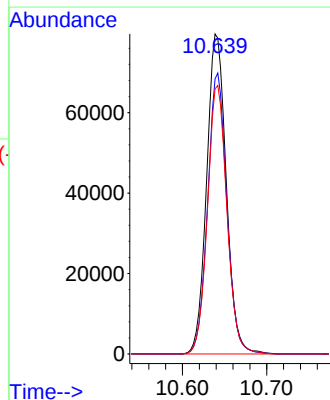
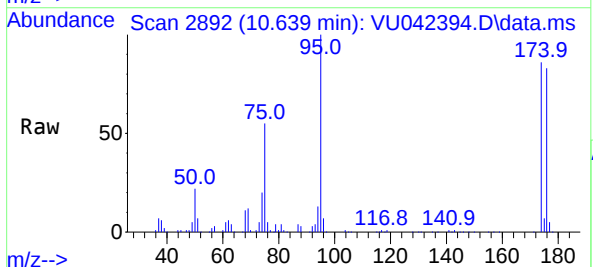
Instrument :  
MSVOA\_U  
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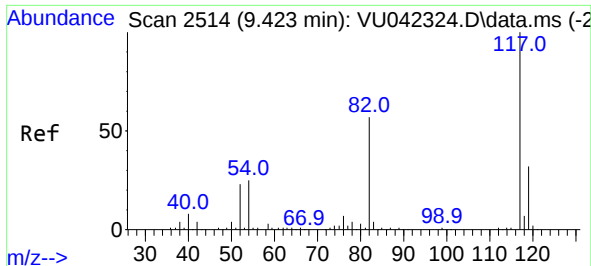
Tgt Ion: 98 Resp: 352494  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 45.38 ug/l  
RT: 10.639 min Scan# 2892  
Delta R.T. -0.000 min  
Lab File: VU042394.D  
Acq: 22 Feb 2021 15:00

Tgt Ion: 95 Resp: 128781  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 172.2  
176 83.1 0.0 168.8

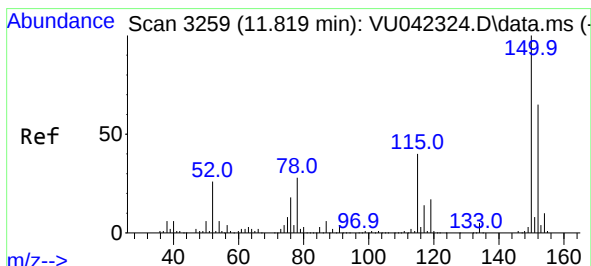
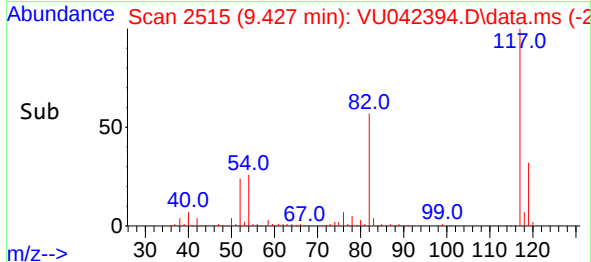
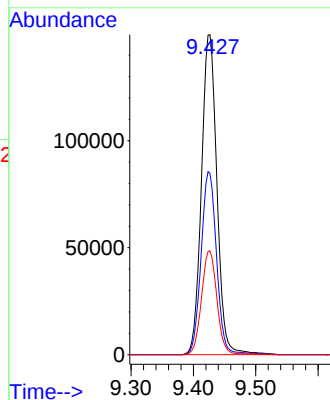
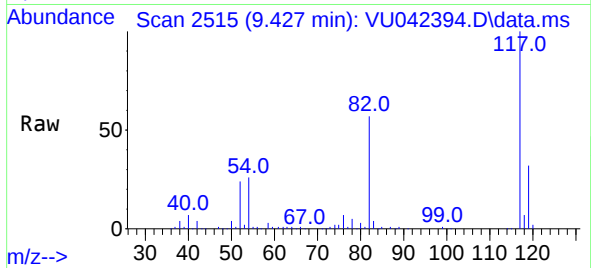




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.427 min Scan# 2515  
Delta R.T. 0.003 min  
Lab File: VU042394.D  
Acq: 22 Feb 2021 15:00

Instrument :  
MSVOA\_U  
ClientSampleId :  
TB-021921

Tgt Ion:117 Resp: 258412  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.8 68.6  
119 32.4 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.819 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VU042394.D  
Acq: 22 Feb 2021 15:00

Tgt Ion:152 Resp: 123942  
Ion Ratio Lower Upper  
152 100  
115 58.8 41.5 124.6  
150 158.2 0.0 342.4

