

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070522\  
 Data File : VU049612.D  
 Acq On : 05 Jul 2022 12:49  
 Operator : SY/MD  
 Sample : N3569-17DL 20X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 152140-SPC-09-80DL

Quant Time: Jul 06 07:47:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

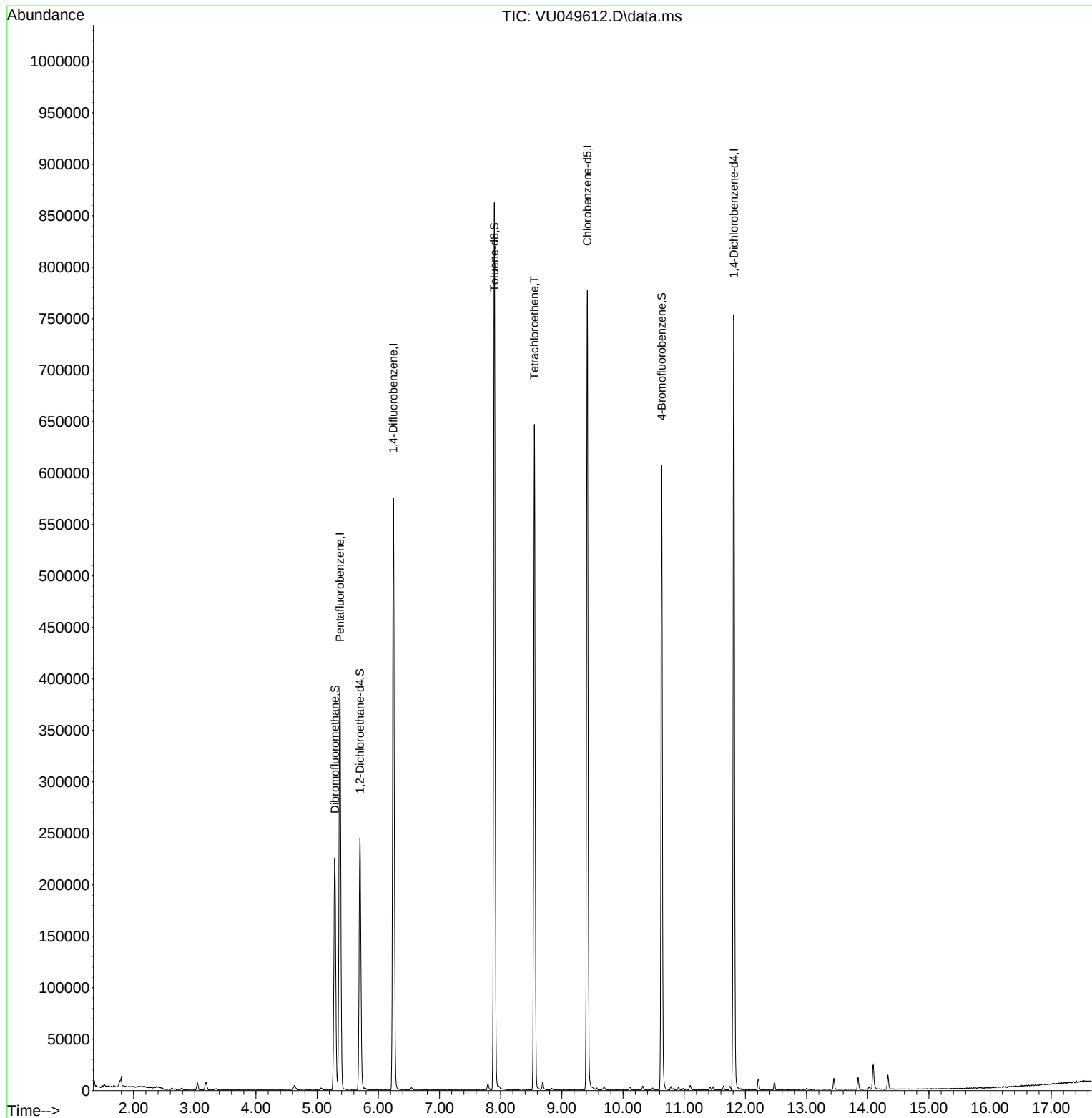
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 5.372  | 168   | 273788   | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 6.247  | 114   | 467458   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 9.417  | 117   | 434281   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 11.812 | 152   | 197212   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 5.700  | 65    | 181962   | 43.155   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =     | 86.300%   |
| 35) Dibromofluoromethane    | 5.289  | 113   | 148452   | 45.392   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 90.780%   |
| 50) Toluene-d8              | 7.896  | 98    | 567161   | 48.621   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =     | 97.240%   |
| 62) 4-Bromofluorobenzene    | 10.632 | 95    | 208862   | 46.742   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 93.480%   |
| Target Compounds            |        |       |          |          |       |           |
| 64) Tetrachloroethene       | 8.552  | 164   | 139082   | 49.932   | ug/l  | Qvalue 90 |
| -----                       |        |       |          |          |       |           |

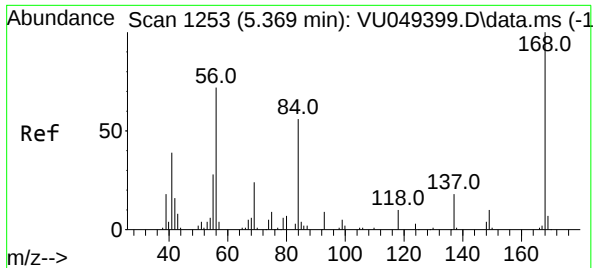
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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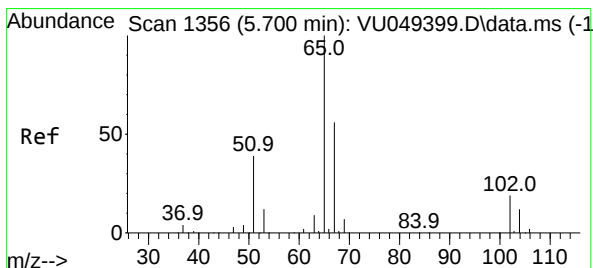
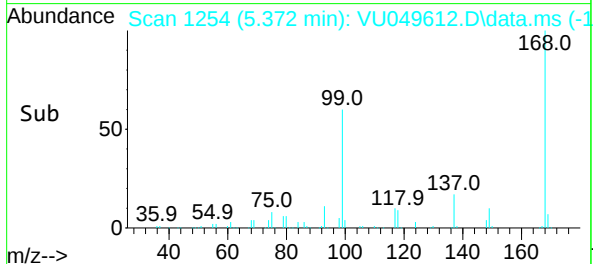
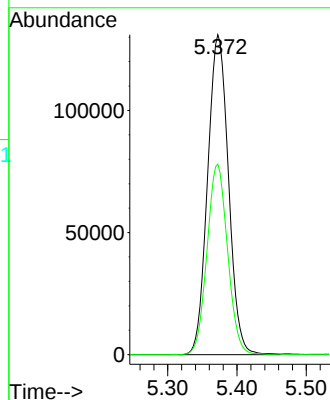
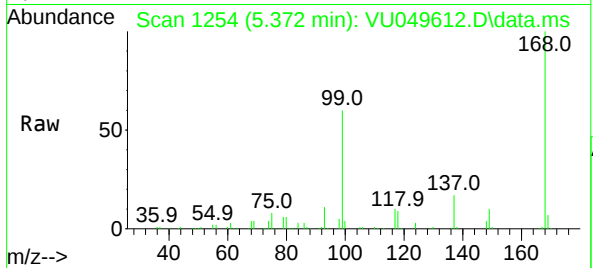




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU049612.D  
Acq: 05 Jul 2022 12:49

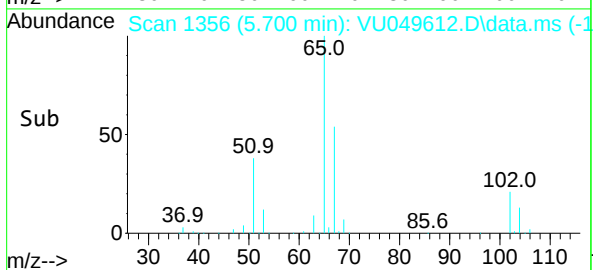
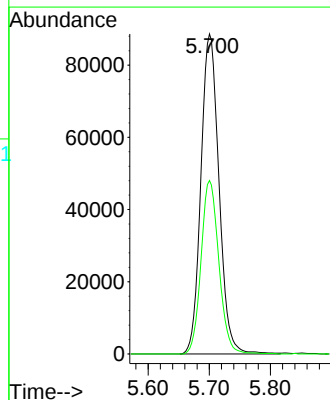
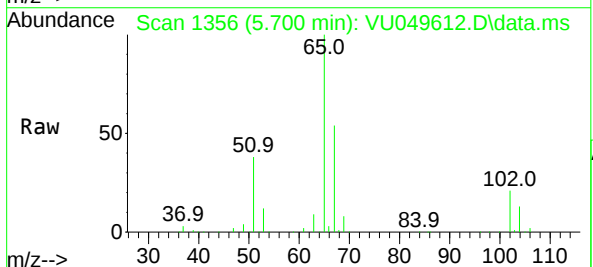
Instrument :  
MSVOA\_U  
ClientSampleId :  
152140-SPC-09-80DL

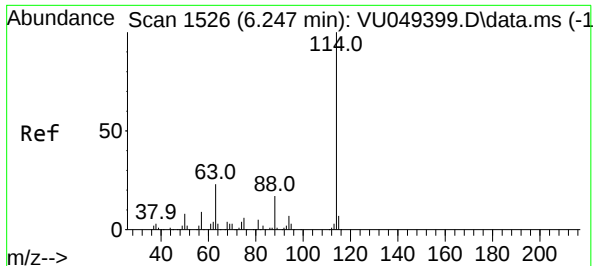
Tgt Ion:168 Resp: 273788  
Ion Ratio Lower Upper  
168 100  
99 59.6 39.3 58.9#



#33  
1,2-Dichloroethane-d4  
Concen: 43.155 ug/l  
RT: 5.700 min Scan# 1356  
Delta R.T. 0.000 min  
Lab File: VU049612.D  
Acq: 05 Jul 2022 12:49

Tgt Ion: 65 Resp: 181962  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049612.D

Acq: 05 Jul 2022 12:49

Instrument :

MSVOA\_U

ClientSampleId :

152140-SPC-09-80DL

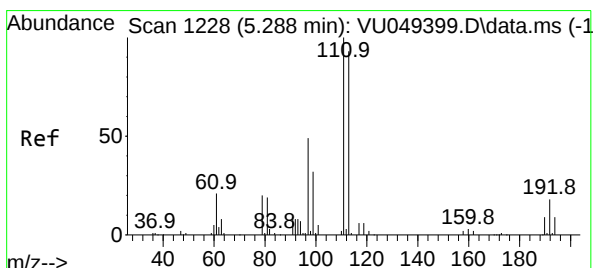
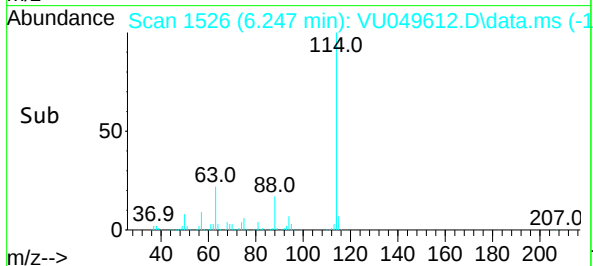
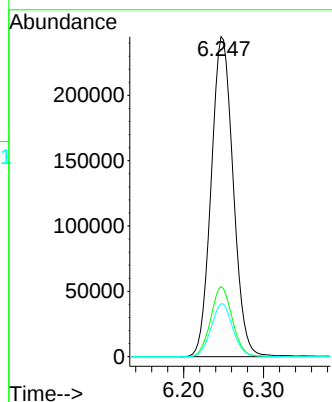
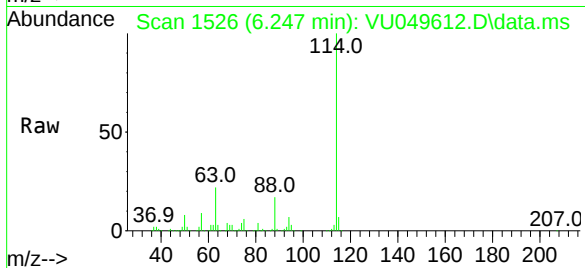
Tgt Ion:114 Resp: 467458

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.392 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049612.D

Acq: 05 Jul 2022 12:49

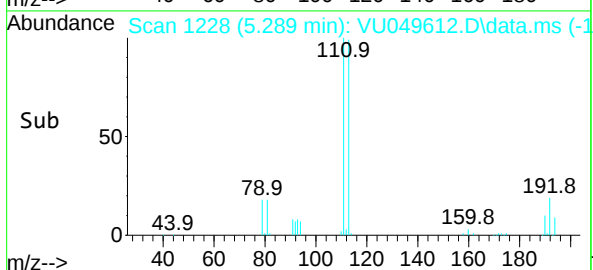
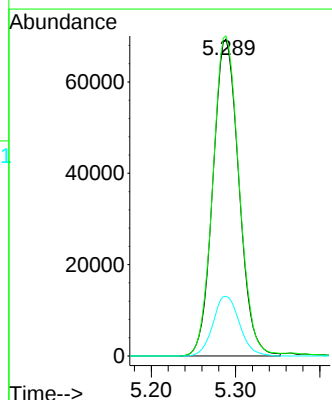
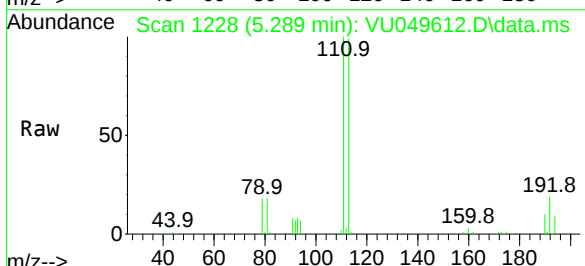
Tgt Ion:113 Resp: 148452

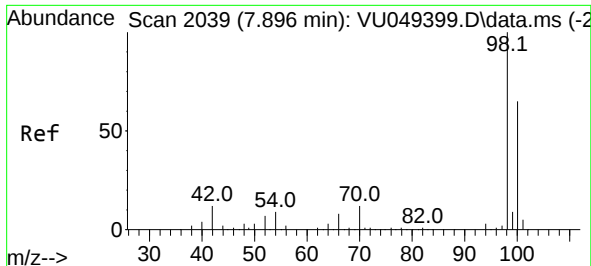
Ion Ratio Lower Upper

113 100

111 102.1 82.1 123.1

192 19.2 18.0 27.0

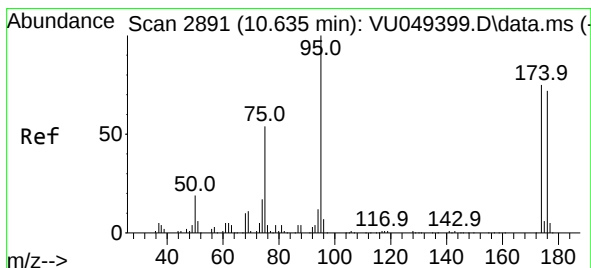
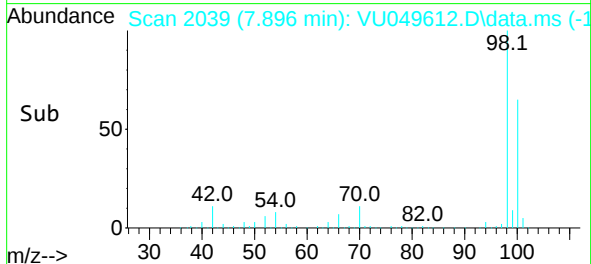
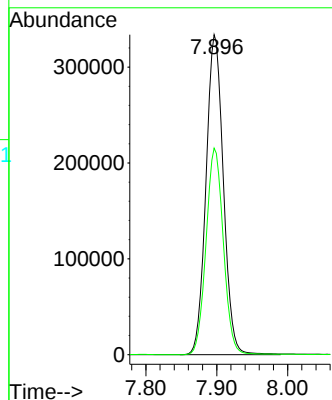
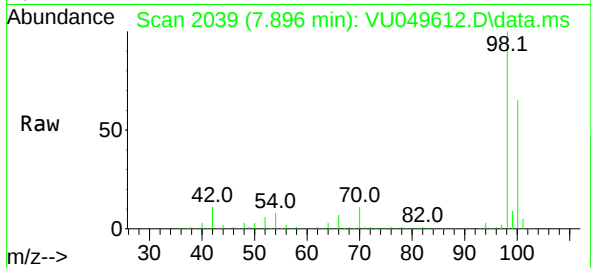




#50  
Toluene-d8  
Concen: 48.621 ug/l  
RT: 7.896 min Scan# 2039  
Delta R.T. 0.000 min  
Lab File: VU049612.D  
Acq: 05 Jul 2022 12:49

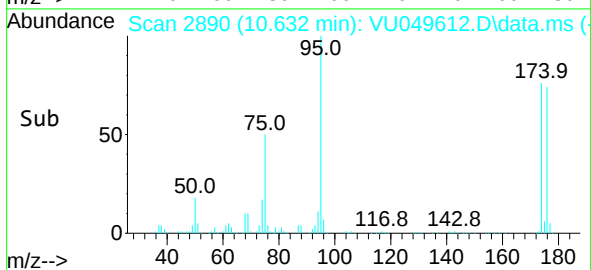
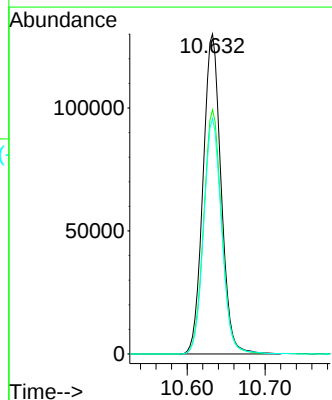
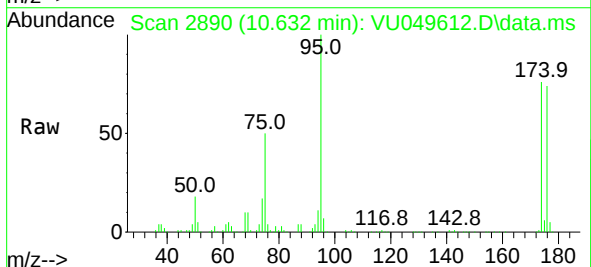
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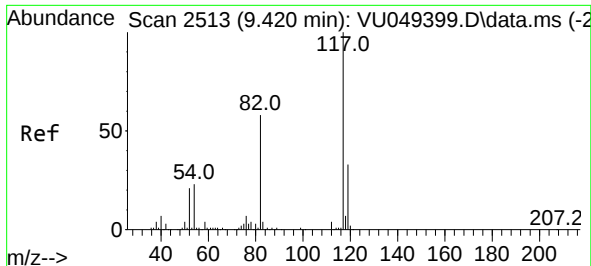
Tgt Ion: 98 Resp: 567161  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 46.742 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.003 min  
Lab File: VU049612.D  
Acq: 05 Jul 2022 12:49

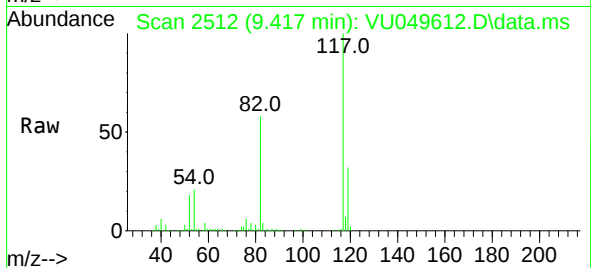
Tgt Ion: 95 Resp: 208862  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 182.0  
176 73.4 0.0 177.8



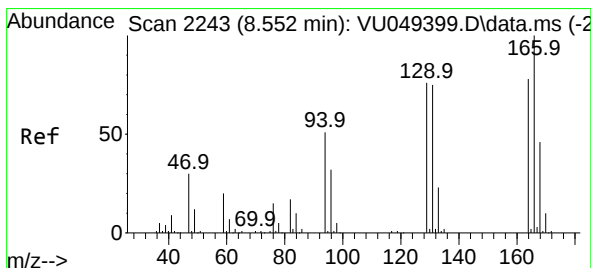
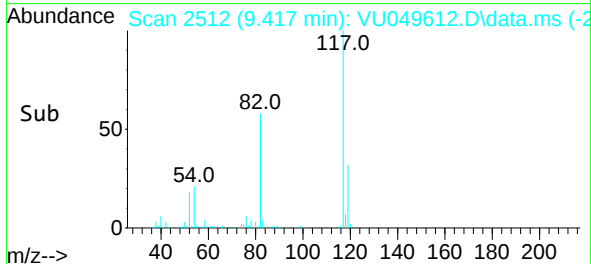
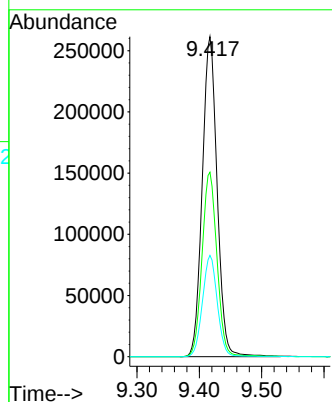


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 2512  
Delta R.T. -0.003 min  
Lab File: VU049612.D  
Acq: 05 Jul 2022 12:49

Instrument :  
MSVOA\_U  
ClientSampleId :  
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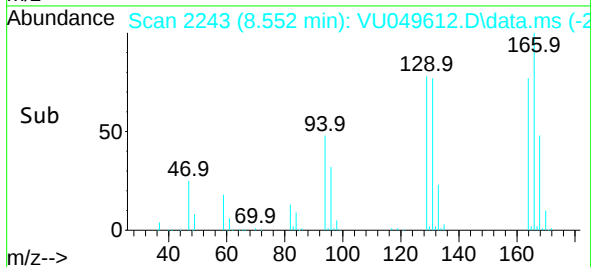
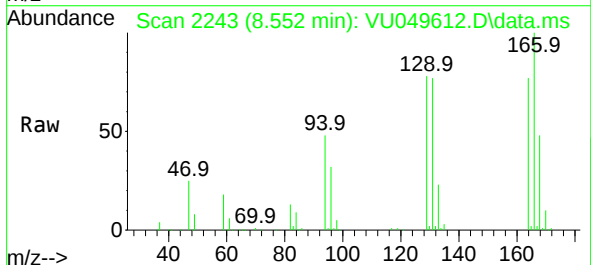
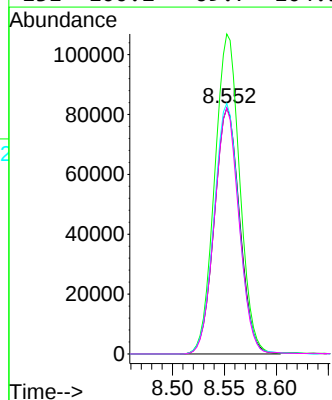


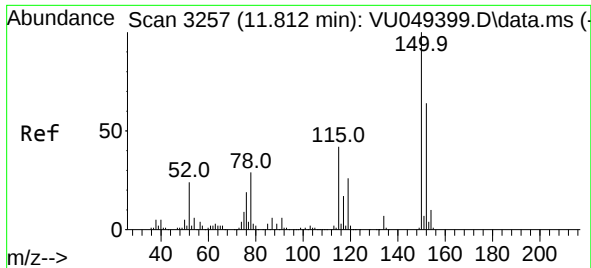
Tgt Ion:117 Resp: 434281  
Ion Ratio Lower Upper  
117 100  
82 57.7 41.7 62.5  
119 31.6 25.7 38.5



#64  
Tetrachloroethene  
Concen: 49.932 ug/l  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU049612.D  
Acq: 05 Jul 2022 12:49

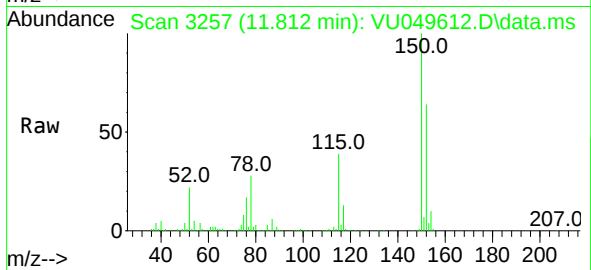
Tgt Ion:164 Resp: 139082  
Ion Ratio Lower Upper  
164 100  
166 130.2 100.0 150.0  
129 101.9 72.0 108.0  
131 100.2 69.7 104.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU049612.D  
 Acq: 05 Jul 2022 12:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 152140-SPC-09-80DL



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 197212 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 61.6  | 37.0  | 110.9  |
| 150      | 157.1 | 0.0   | 342.2  |

