

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081222\  
 Data File : VD074068.D  
 Acq On : 12 Aug 2022 17:47  
 Operator : VA/SY  
 Sample : N4153-01  
 Misc : 5.02G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TR-04-081022

Quant Time: Aug 12 23:48:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081022S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 14:55:58 2022  
 Response via : Initial Calibration

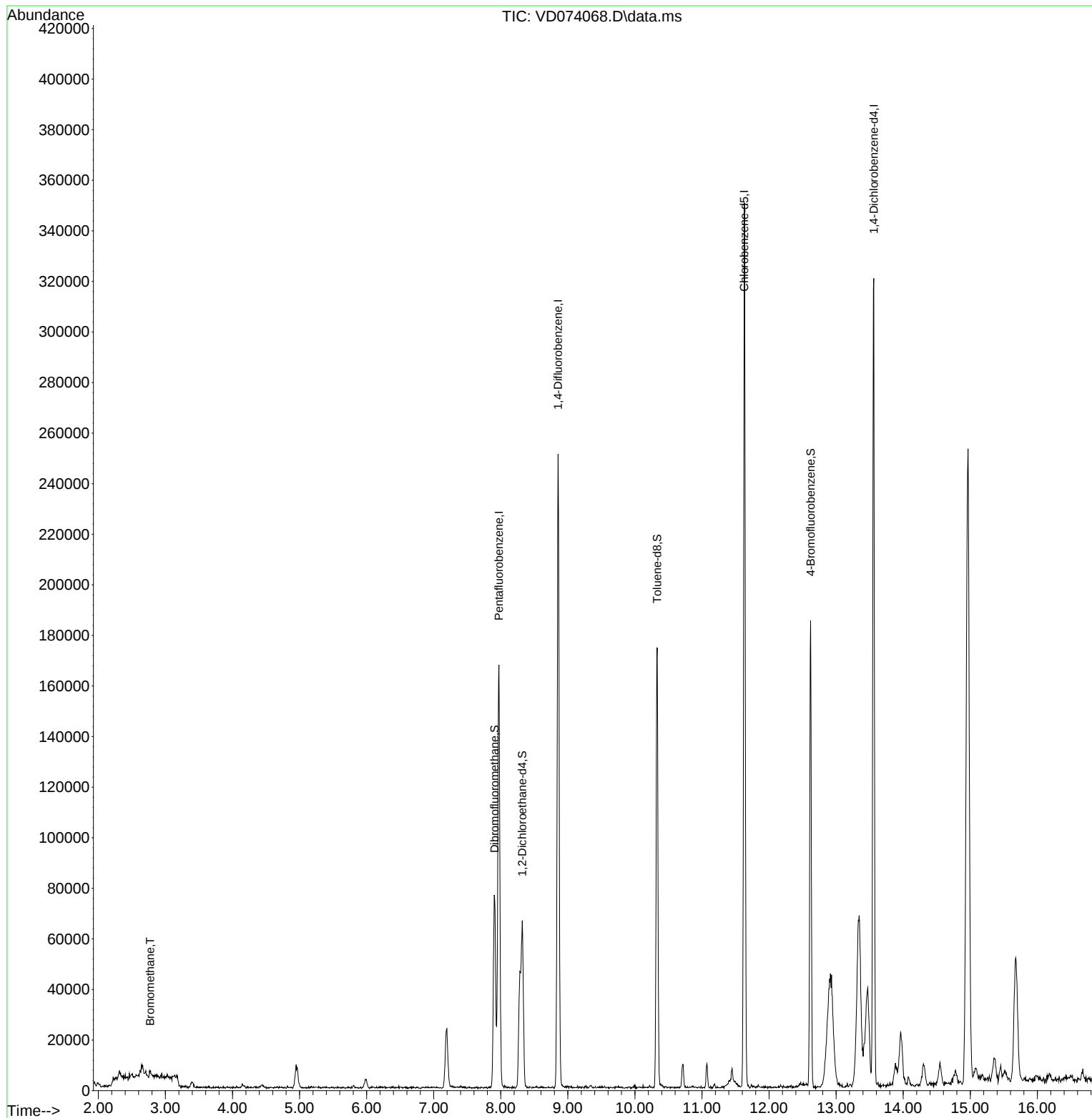
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.973  | 168   | 115591   | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.855  | 114   | 209981   | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.632 | 117   | 194302   | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 86008    | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 47689    | 52.717   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 105.440%    |
| 35) Dibromofluoromethane    | 7.908  | 113   | 54686    | 39.211   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 78.420%     |
| 50) Toluene-d8              | 10.332 | 98    | 118804   | 30.334   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 60.660%     |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 55650    | 32.447   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 64.900%     |
| Target Compounds            |        |       |          |          |       |             |
| 5) Bromomethane             | 2.773  | 94    | 1755     | 1.035    | ug/l  | Qvalue # 76 |
| -----                       |        |       |          |          |       |             |

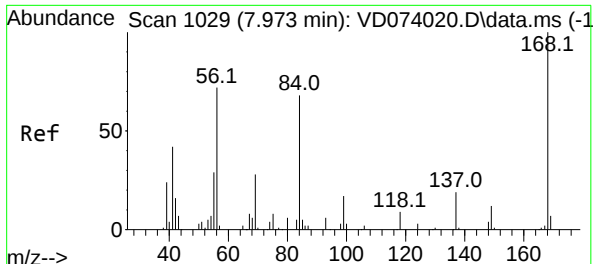
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-04-081022

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QLast Update : Wed Aug 10 14:55:58 2022  
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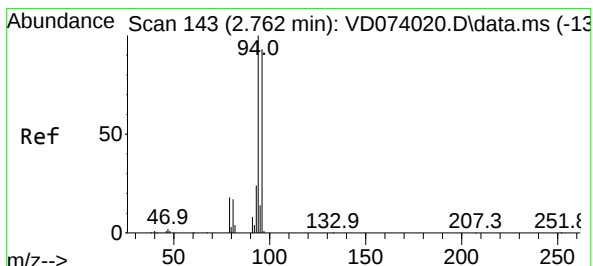
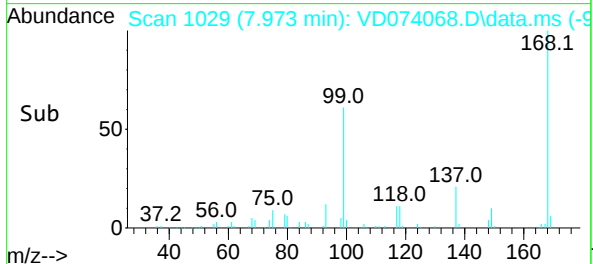
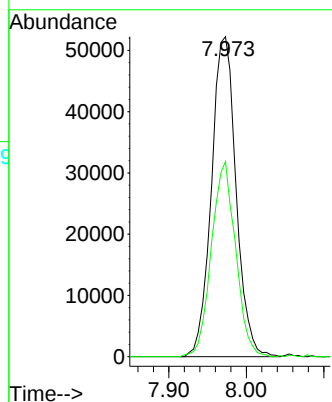
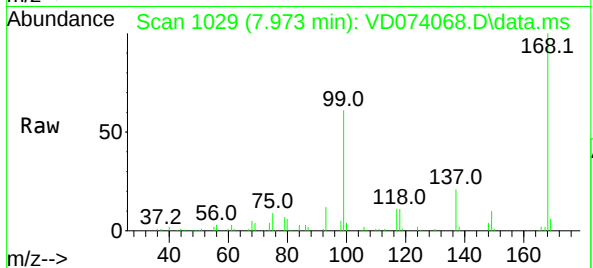




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD074068.D  
Acq: 12 Aug 2022 17:47

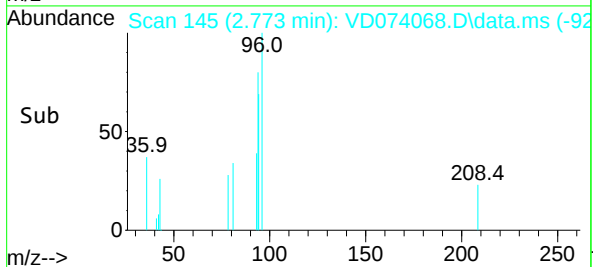
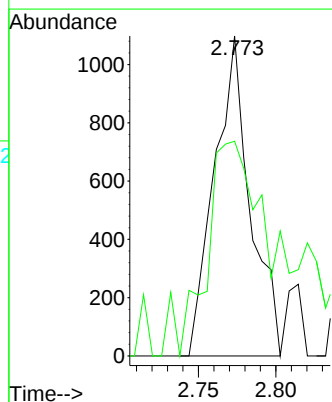
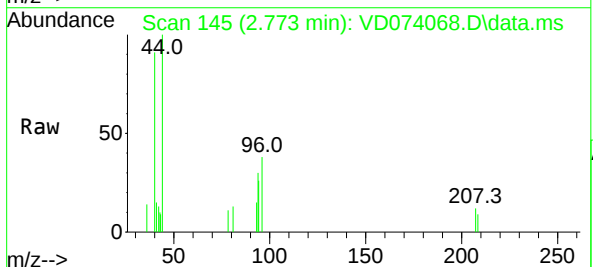
Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-04-081022

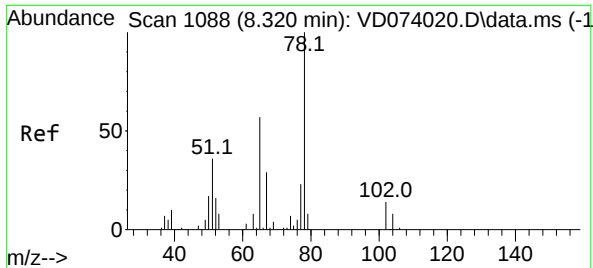
Tgt Ion:168 Resp: 115591  
Ion Ratio Lower Upper  
168 100  
99 61.0 48.3 72.5



#5  
Bromomethane  
Concen: 1.035 ug/l  
RT: 2.773 min Scan# 145  
Delta R.T. 0.011 min  
Lab File: VD074068.D  
Acq: 12 Aug 2022 17:47

Tgt Ion: 94 Resp: 1755  
Ion Ratio Lower Upper  
94 100  
96 67.1 72.0 108.0#

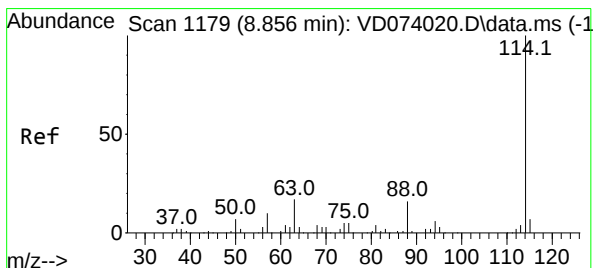
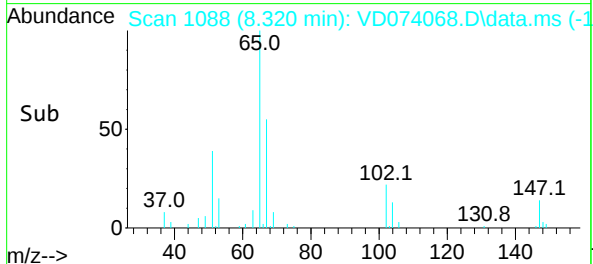
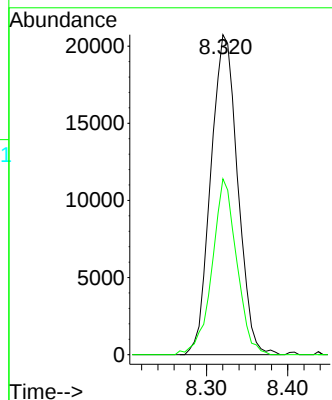
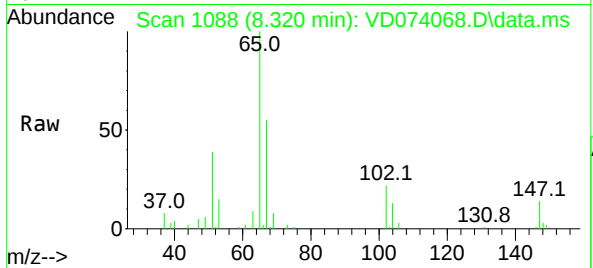




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.717 ug/l  
 RT: 8.320 min Scan# 1088  
 Delta R.T. 0.000 min  
 Lab File: VD074068.D  
 Acq: 12 Aug 2022 17:47

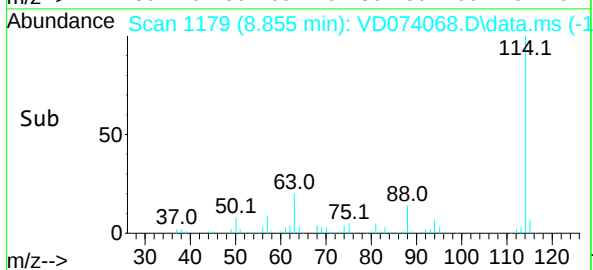
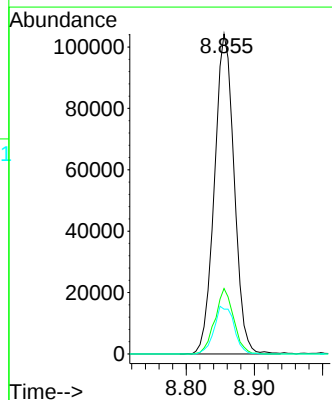
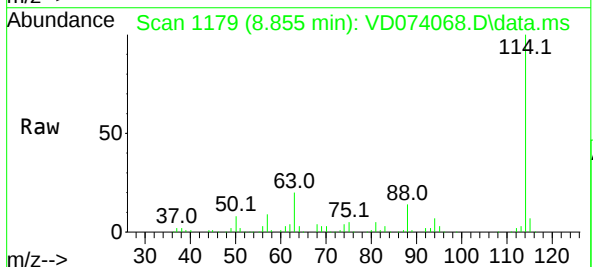
Instrument :  
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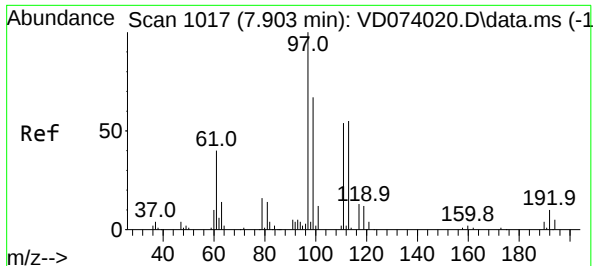
Tgt Ion: 65 Resp: 47689  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 113.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.855 min Scan# 1179  
 Delta R.T. -0.000 min  
 Lab File: VD074068.D  
 Acq: 12 Aug 2022 17:47

Tgt Ion: 114 Resp: 209981  
 Ion Ratio Lower Upper  
 114 100  
 63 20.5 0.0 41.0  
 88 14.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 39.211 ug/l

RT: 7.908 min Scan# 1017

Delta R.T. 0.005 min

Lab File: VD074068.D

Acq: 12 Aug 2022 17:47

Instrument :

MSVOA\_D

ClientSampleId :

TR-04-081022

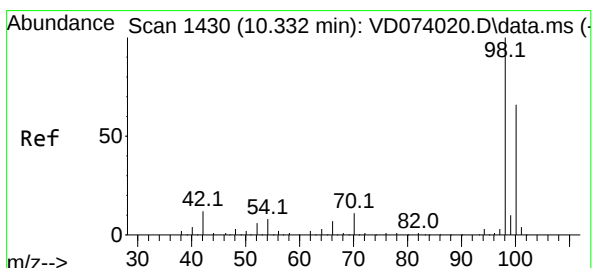
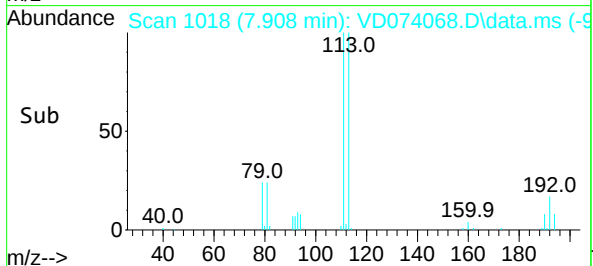
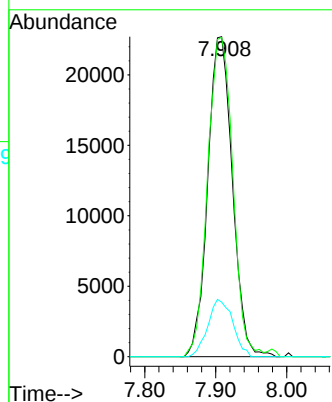
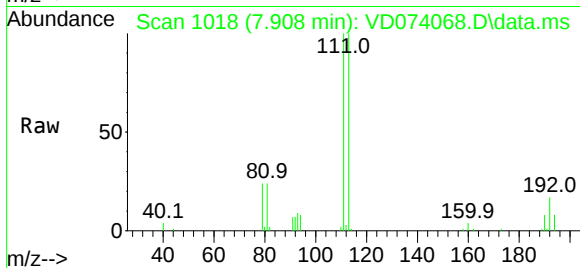
Tgt Ion:113 Resp: 54686

Ion Ratio Lower Upper

113 100

111 101.8 80.0 120.0

192 18.1 14.2 21.4



#50

Toluene-d8

Concen: 30.334 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074068.D

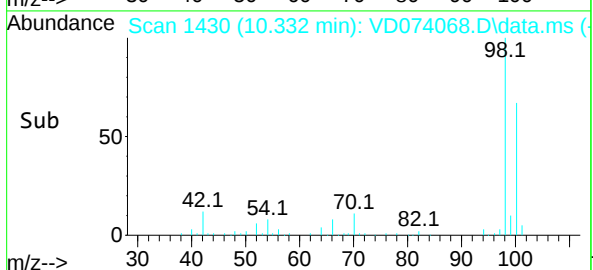
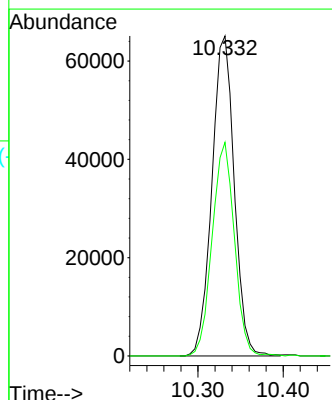
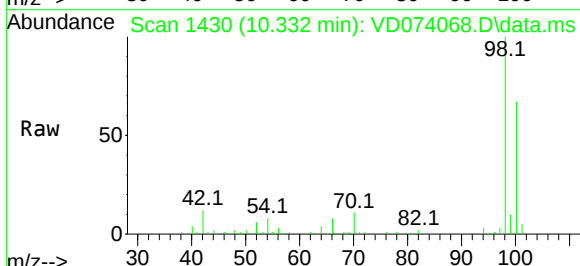
Acq: 12 Aug 2022 17:47

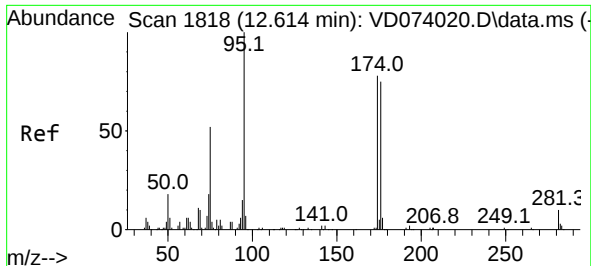
Tgt Ion: 98 Resp: 118804

Ion Ratio Lower Upper

98 100

100 66.4 51.3 76.9

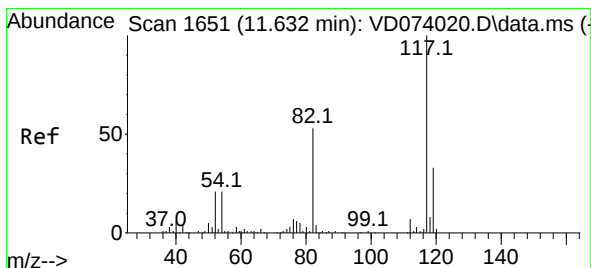
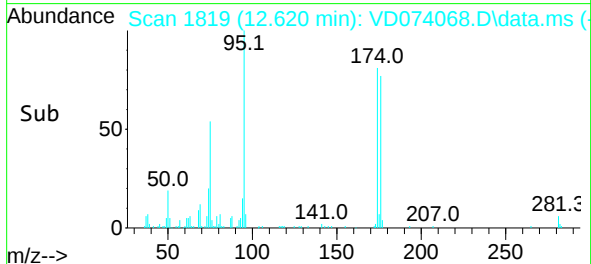
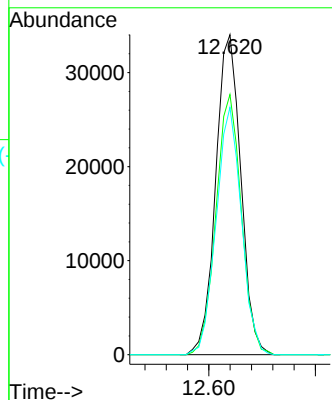
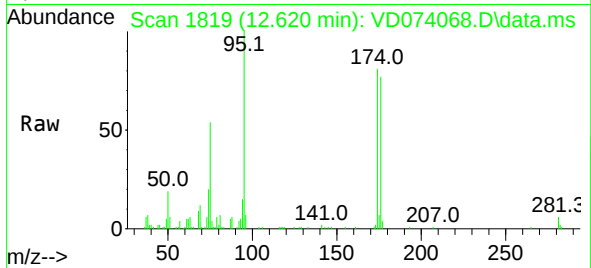




#62  
4-Bromofluorobenzene  
Concen: 32.447 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.006 min  
Lab File: VD074068.D  
Acq: 12 Aug 2022 17:47

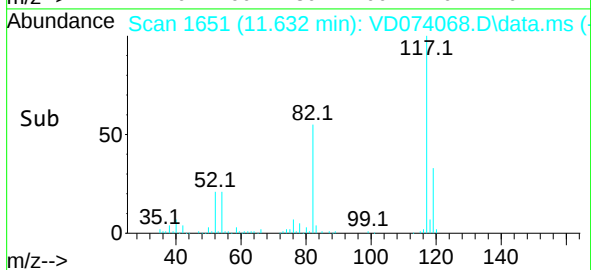
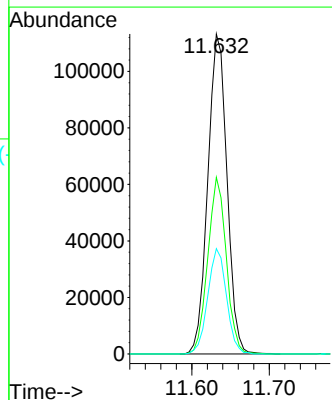
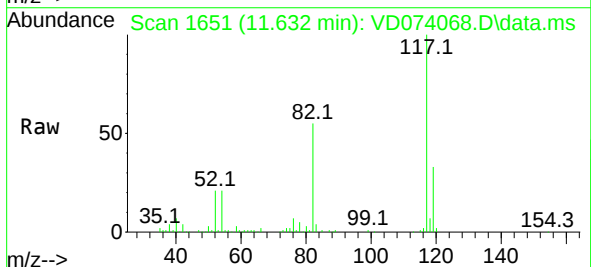
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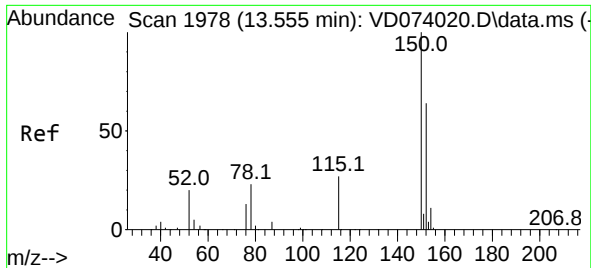
Tgt Ion: 95 Resp: 55650  
Ion Ratio Lower Upper  
95 100  
174 81.9 0.0 162.6  
176 77.6 0.0 160.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.000 min  
Lab File: VD074068.D  
Acq: 12 Aug 2022 17:47

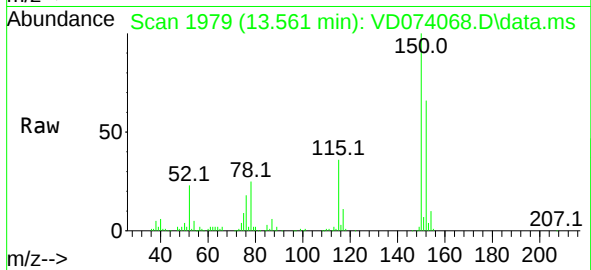
Tgt Ion: 117 Resp: 194302  
Ion Ratio Lower Upper  
117 100  
82 55.2 42.7 64.1  
119 32.9 25.8 38.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.006 min  
 Lab File: VD074068.D  
 Acq: 12 Aug 2022 17:47

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TR-04-081022



Tgt Ion:152 Resp: 86008  
 Ion Ratio Lower Upper  
 152 100  
 115 57.6 29.9 89.8  
 150 154.9 0.0 342.8

