

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110422\  
 Data File : VD074741.D  
 Acq On : 04 Nov 2022 16:41  
 Operator : VA/SY  
 Sample : N5418-01  
 Misc : 4.85G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-J

Quant Time: Nov 07 00:28:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 Response via : Initial Calibration

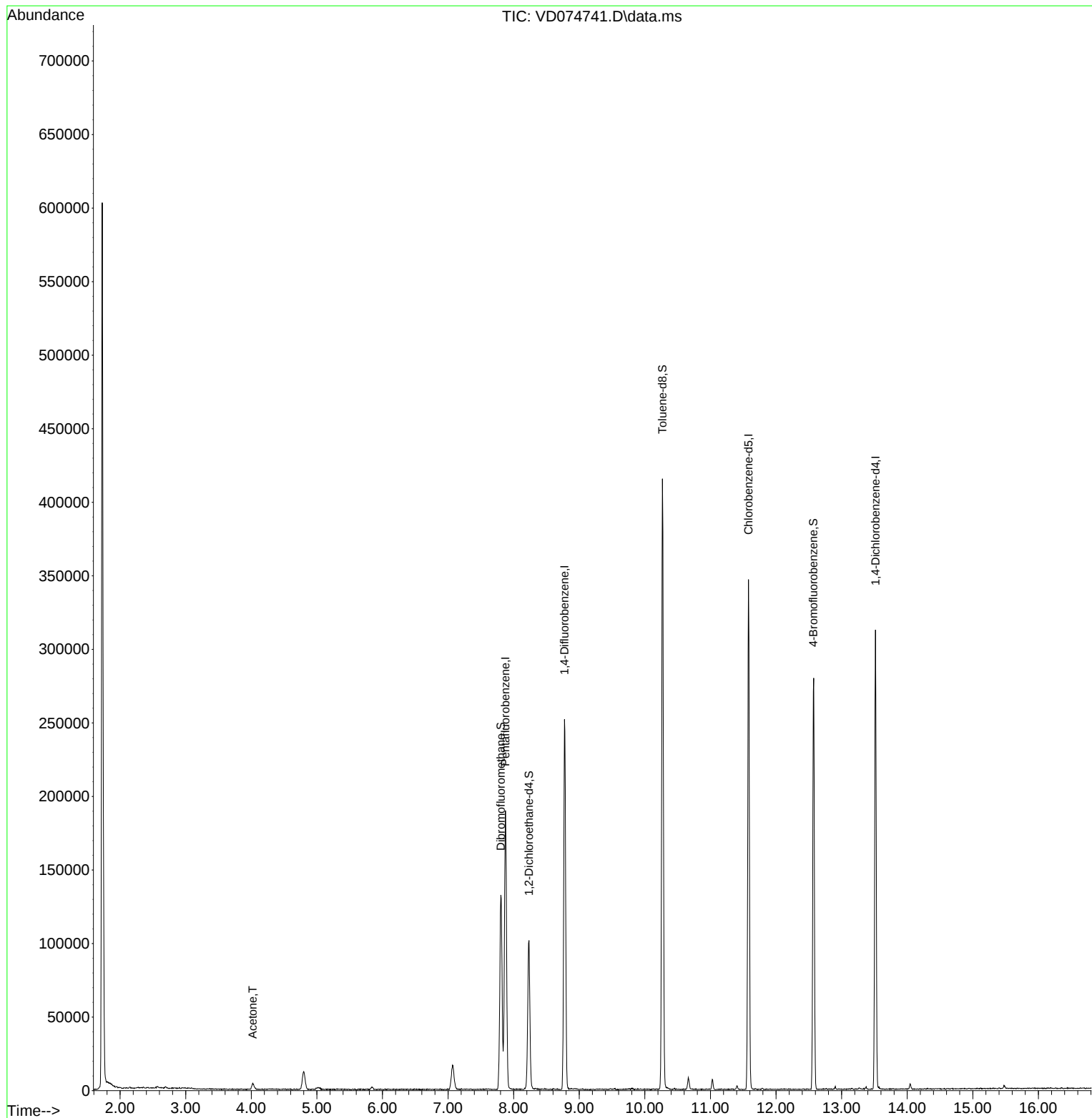
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 155617   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 242582   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 215243   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 89443    | 50.000   | ug/l       | 0.00     |
|                             |        |       |          |          |            |          |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 79175    | 64.238   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 128.480% |          |
| 35) Dibromofluoromethane    | 7.804  | 113   | 99526    | 69.358   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 138.720% |          |
| 50) Toluene-d8              | 10.269 | 98    | 300373   | 57.385   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 114.760% |          |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 86003    | 56.906   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 113.820% |          |
|                             |        |       |          |          |            |          |
| Target Compounds            |        |       |          |          |            | Qvalue   |
| 16) Acetone                 | 4.022  | 43    | 6456     | 25.101   | ug/l       | # 81     |
| -----                       |        |       |          |          |            |          |

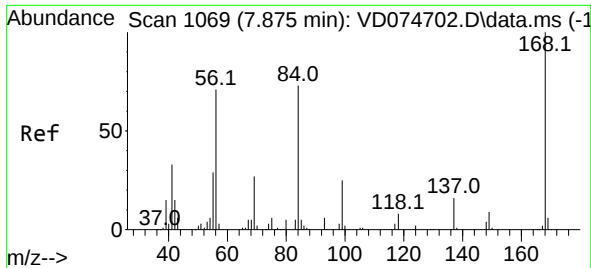
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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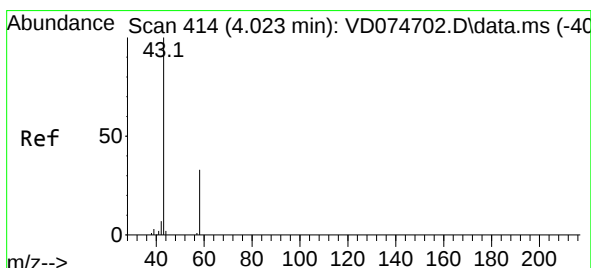
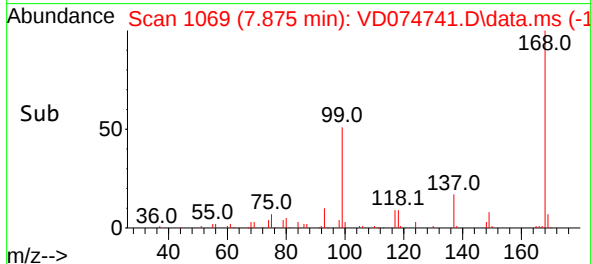
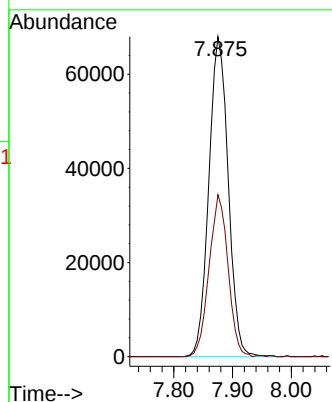
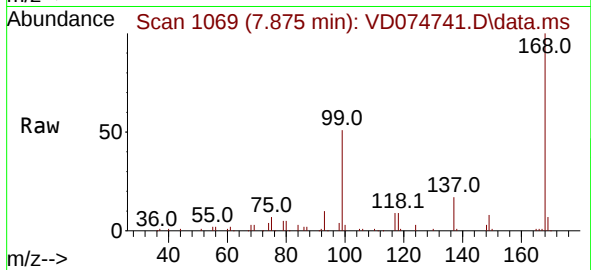




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074741.D  
Acq: 04 Nov 2022 16:41

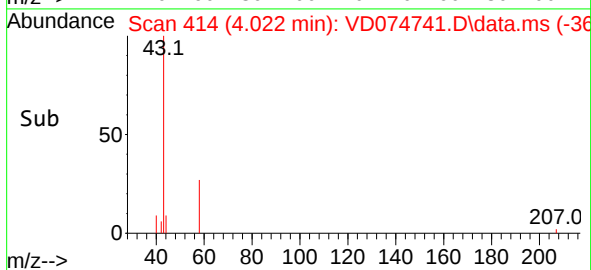
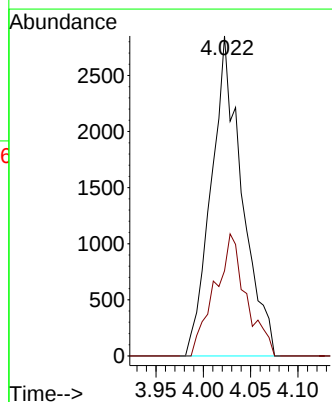
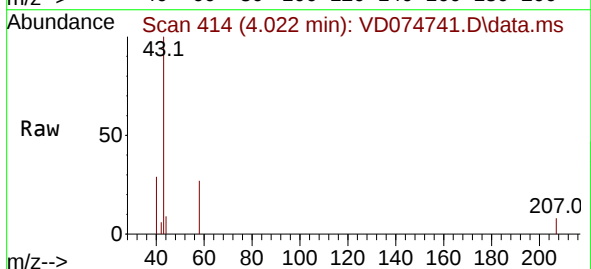
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-J

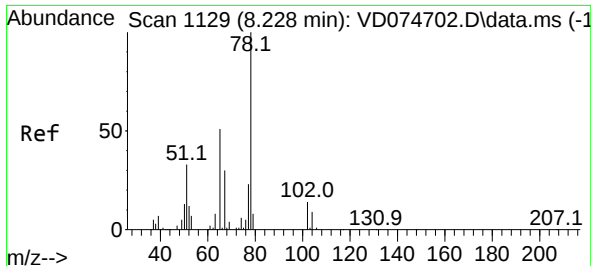
Tgt Ion:168 Resp: 155617  
Ion Ratio Lower Upper  
168 100  
99 50.6 40.9 61.3



#16  
Acetone  
Concen: 25.101 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. -0.001 min  
Lab File: VD074741.D  
Acq: 04 Nov 2022 16:41

Tgt Ion: 43 Resp: 6456  
Ion Ratio Lower Upper  
43 100  
58 26.6 30.2 45.2#





#33

1,2-Dichloroethane-d4

Concen: 64.238 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

Instrument :

MSVOA\_D

ClientSampleId :

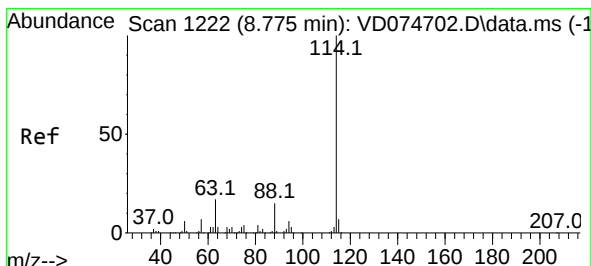
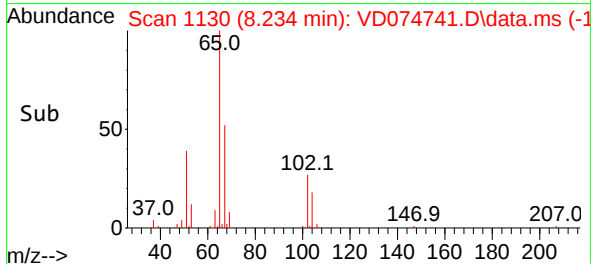
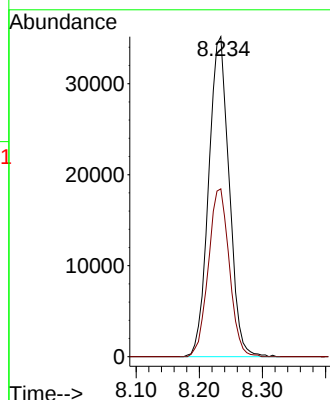
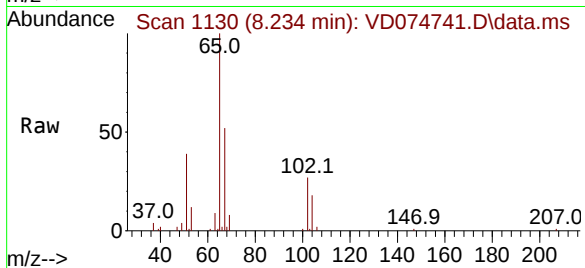
TP-J

Tgt Ion: 65 Resp: 79175

Ion Ratio Lower Upper

65 100

67 53.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

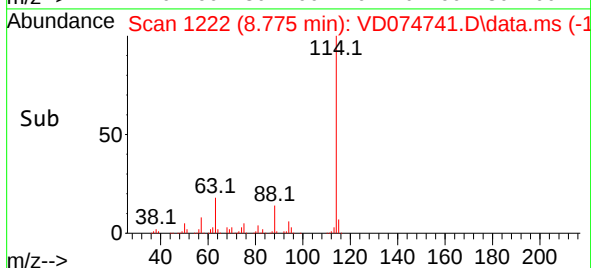
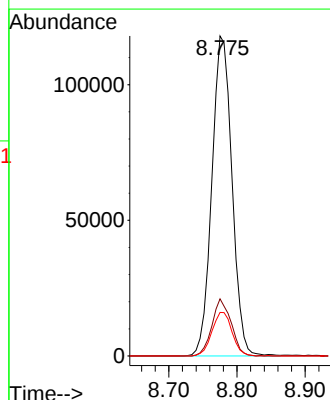
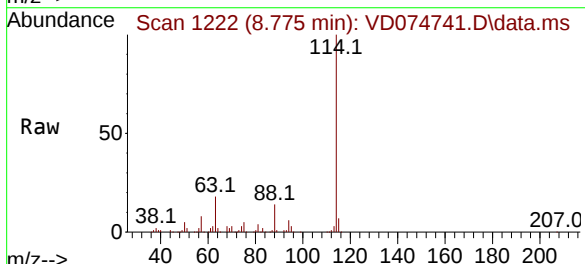
Tgt Ion: 114 Resp: 242582

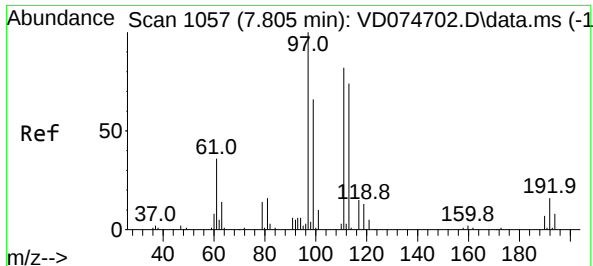
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.2

88 13.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 69.358 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

Instrument :

MSVOA\_D

ClientSampleId :

TP-J

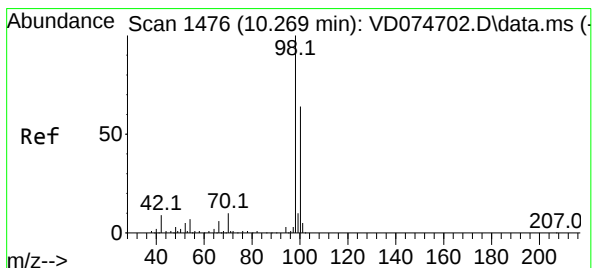
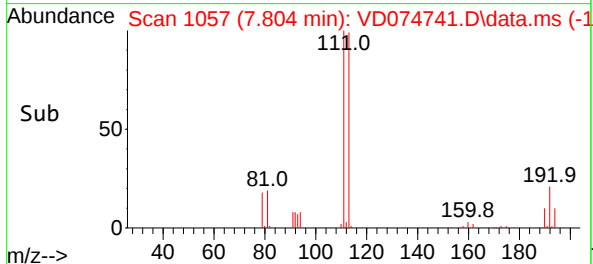
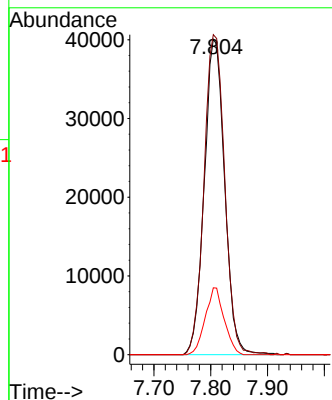
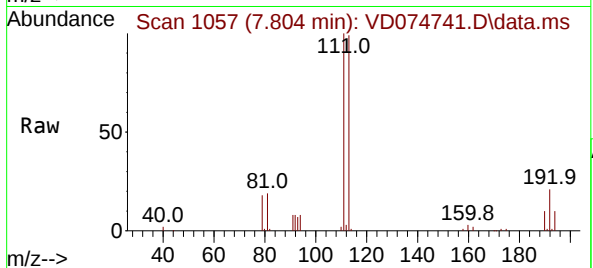
Tgt Ion:113 Resp: 99526

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

192 19.7 16.4 24.6



#50

Toluene-d8

Concen: 57.385 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074741.D

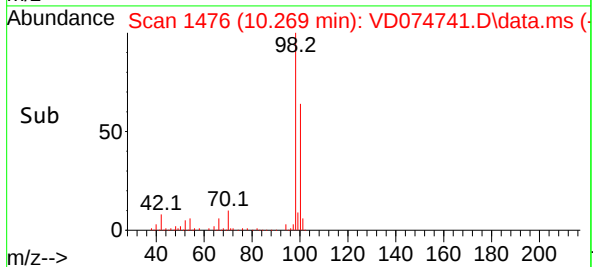
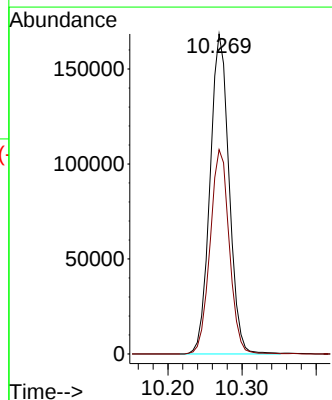
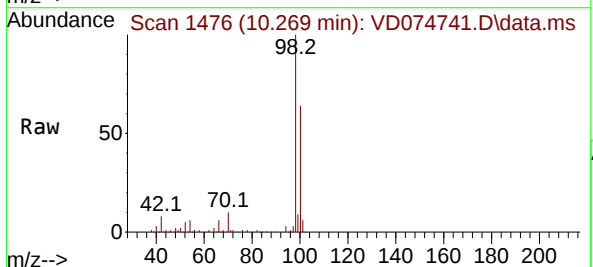
Acq: 04 Nov 2022 16:41

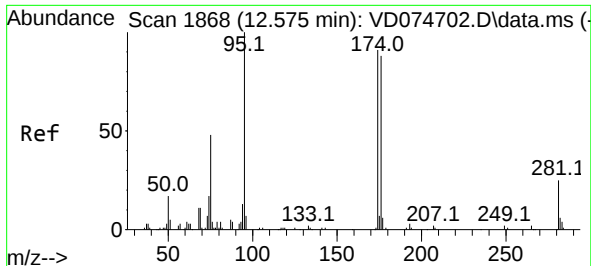
Tgt Ion: 98 Resp: 300373

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0

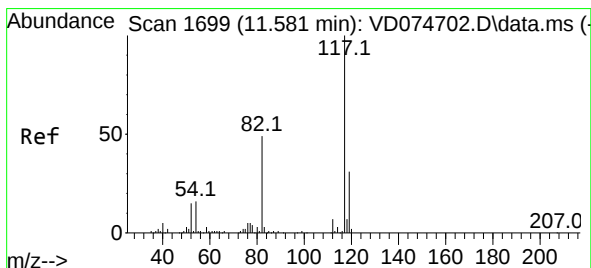
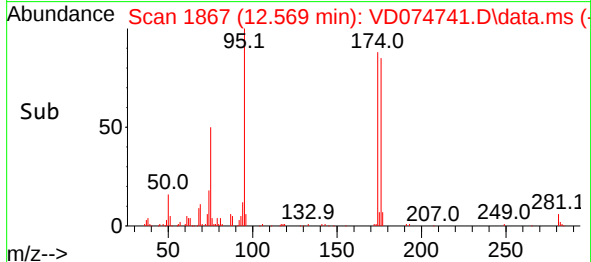
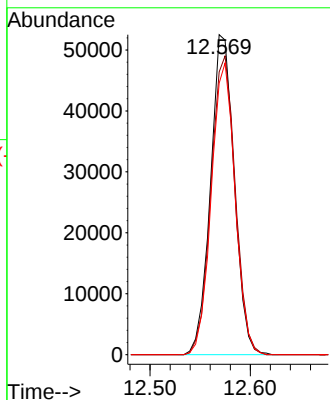
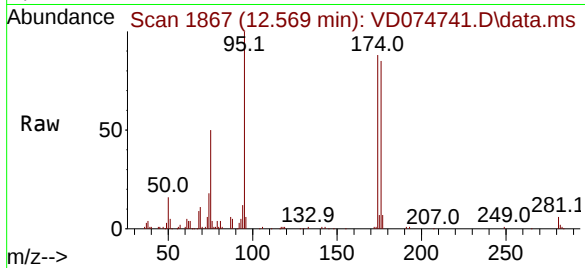




#62  
4-Bromofluorobenzene  
Concen: 56.906 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD074741.D  
Acq: 04 Nov 2022 16:41

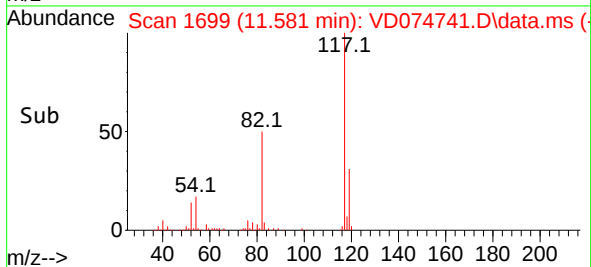
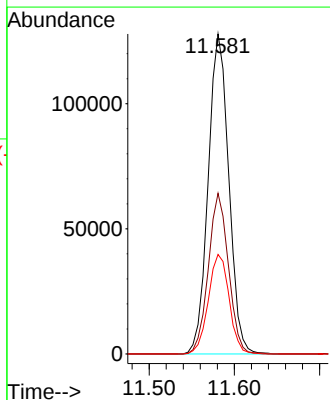
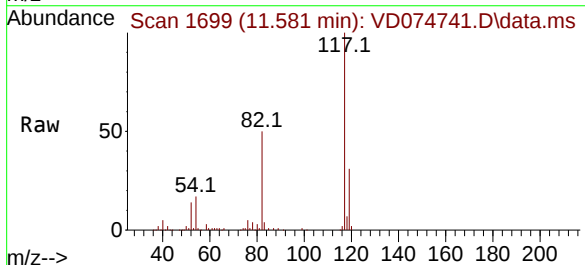
Instrument :  
MSVOA\_D  
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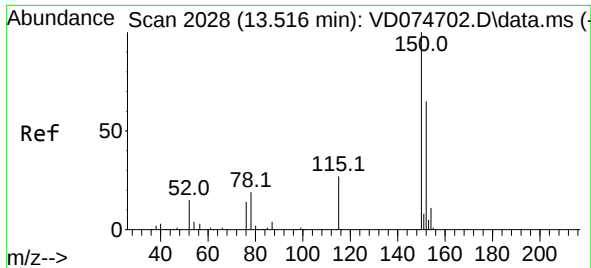
Tgt Ion: 95 Resp: 86003  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 197.0  
176 91.4 0.0 182.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD074741.D  
Acq: 04 Nov 2022 16:41

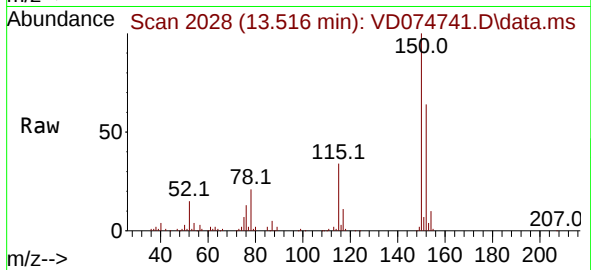
Tgt Ion: 117 Resp: 215243  
Ion Ratio Lower Upper  
117 100  
82 50.2 41.6 62.4  
119 31.1 25.2 37.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VD074741.D  
 Acq: 04 Nov 2022 16:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-J



Tgt Ion:152 Resp: 89443  
 Ion Ratio Lower Upper  
 152 100  
 115 53.7 26.8 80.4  
 150 158.0 0.0 348.2

