

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092022\  
 Data File : VD074368.D  
 Acq On : 20 Sep 2022 16:15  
 Operator : VA/SY  
 Sample : N4668-01  
 Misc : 6.73G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 D22007-8.5

Quant Time: Sep 21 02:24:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091622S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 17 04:16:54 2022  
 Response via : Initial Calibration

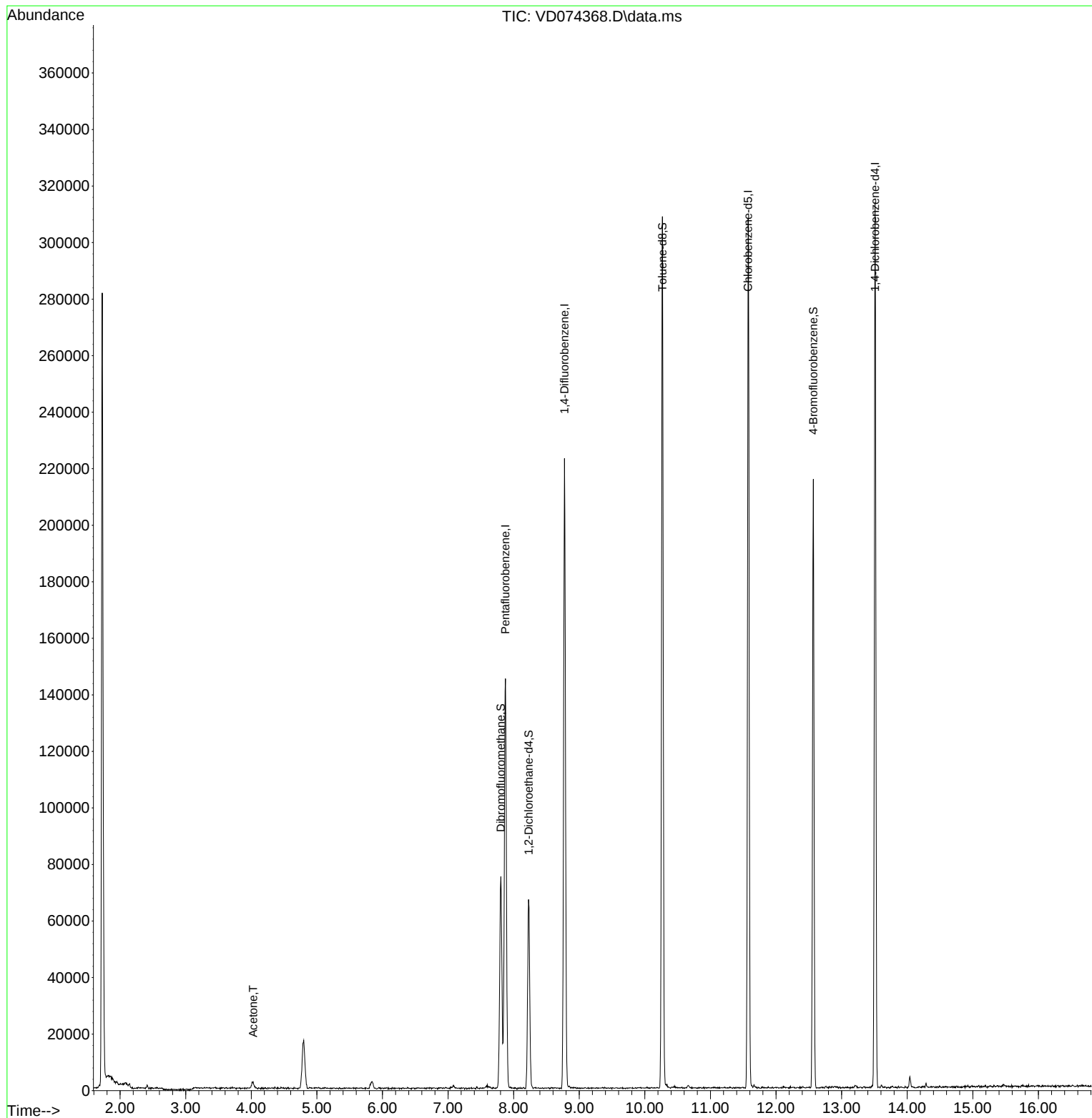
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 111506   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 195848   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.575 | 117   | 179360   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.510 | 152   | 83061    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 51935    | 47.818   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 95.640%  |
| 35) Dibromofluoromethane    | 7.804  | 113   | 54486    | 42.242   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 84.480%  |
| 50) Toluene-d8              | 10.269 | 98    | 212321   | 47.705   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 95.420%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 63649    | 41.191   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 82.380%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.028  | 43    | 4132     | 16.887   | ug/l # | 77       |
| -----                       |        |       |          |          |        |          |

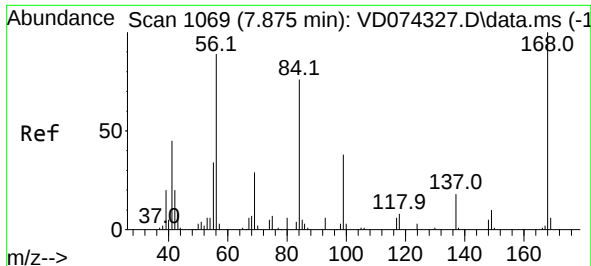
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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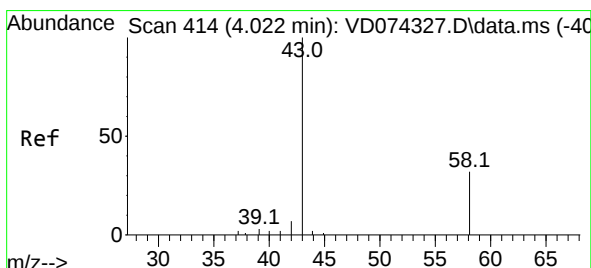
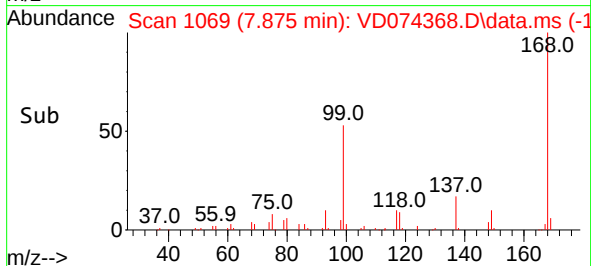
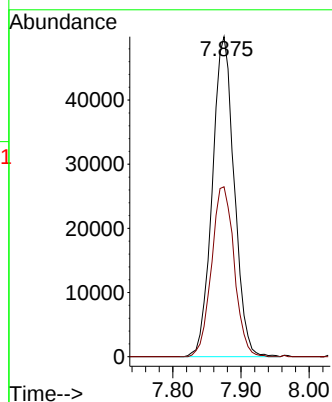
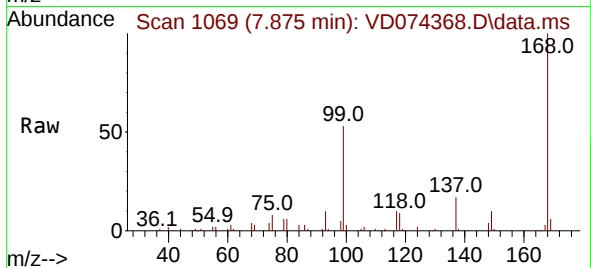




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074368.D  
Acq: 20 Sep 2022 16:15

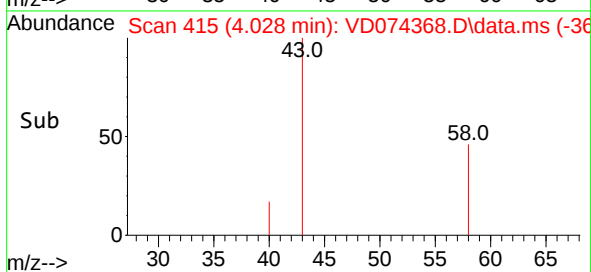
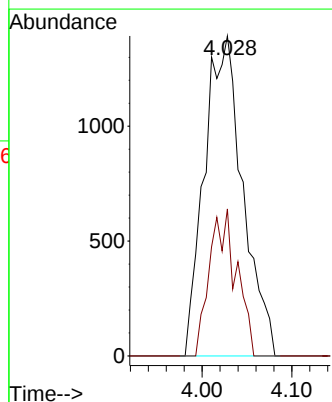
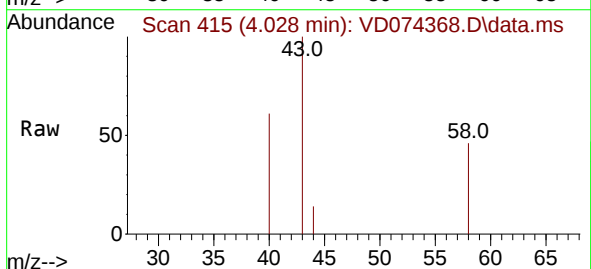
Instrument :  
MSVOA\_D  
ClientSampleId :  
D22007-8.5

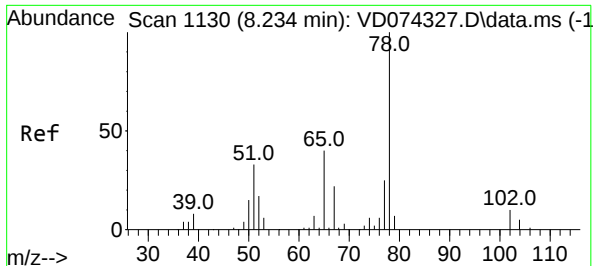
Tgt Ion:168 Resp: 111506  
Ion Ratio Lower Upper  
168 100  
99 53.1 43.0 64.6



#16  
Acetone  
Concen: 16.887 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD074368.D  
Acq: 20 Sep 2022 16:15

Tgt Ion: 43 Resp: 4132  
Ion Ratio Lower Upper  
43 100  
58 45.9 26.4 39.6#





#33

1,2-Dichloroethane-d4

Concen: 47.818 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074368.D

Acq: 20 Sep 2022 16:15

Instrument :

MSVOA\_D

ClientSampleId :

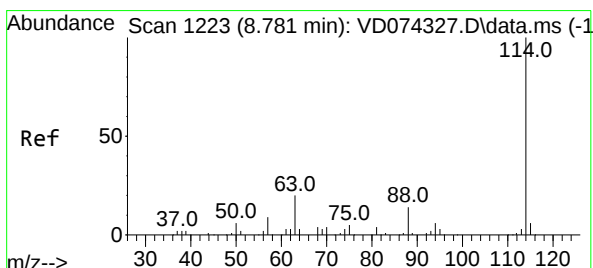
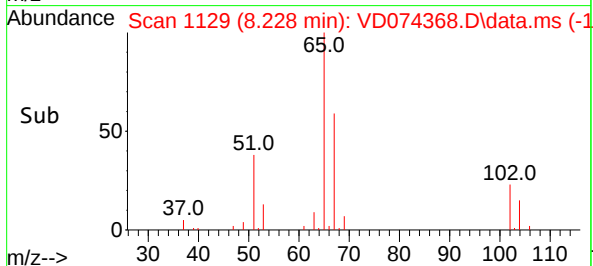
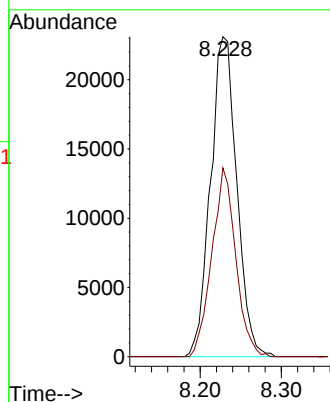
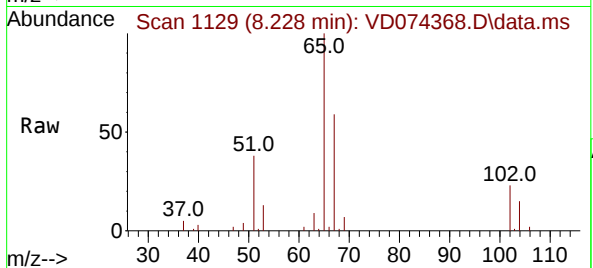
D22007-8.5

Tgt Ion: 65 Resp: 51935

Ion Ratio Lower Upper

65 100

67 53.7 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074368.D

Acq: 20 Sep 2022 16:15

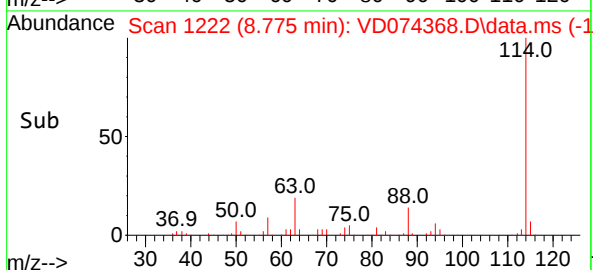
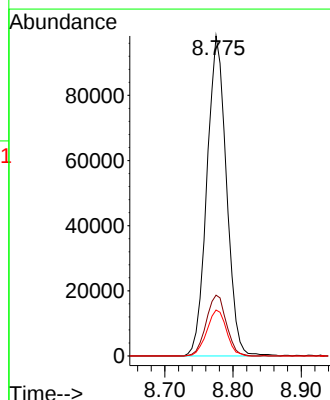
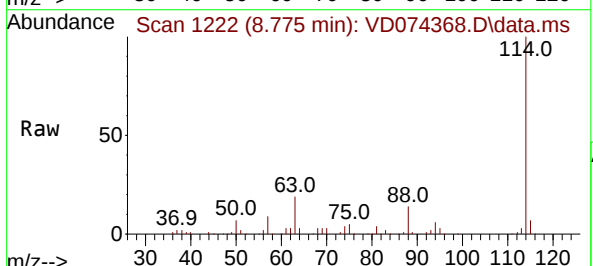
Tgt Ion: 114 Resp: 195848

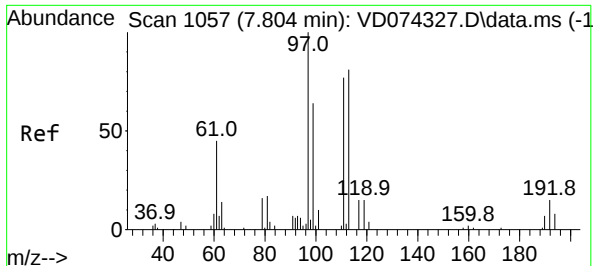
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.6

88 14.4 0.0 28.4





#35

Dibromofluoromethane

Concen: 42.242 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074368.D

Acq: 20 Sep 2022 16:15

Instrument :

MSVOA\_D

ClientSampleId :

D22007-8.5

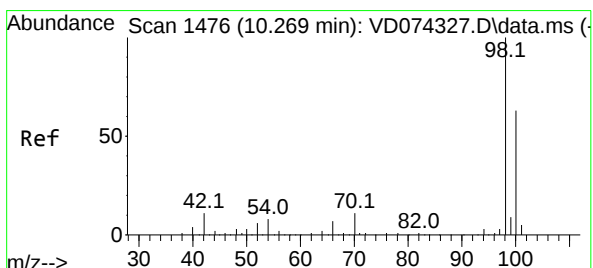
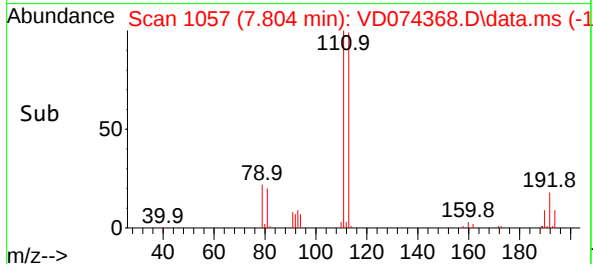
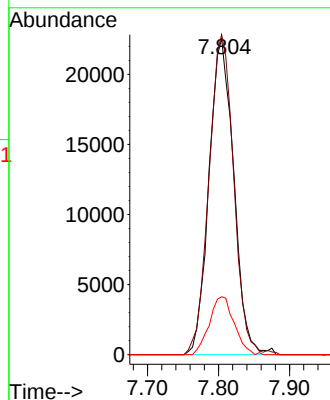
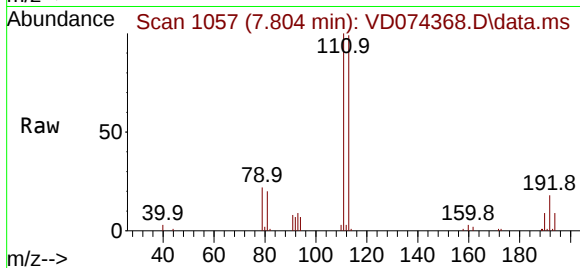
Tgt Ion:113 Resp: 54486

Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.6

192 18.4 16.2 24.2



#50

Toluene-d8

Concen: 47.705 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074368.D

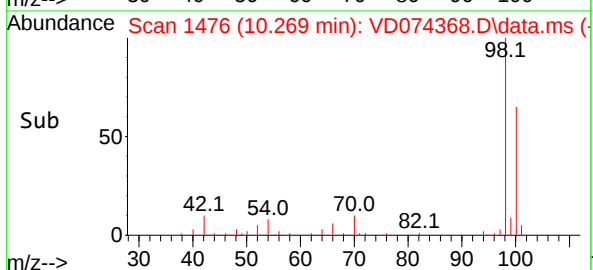
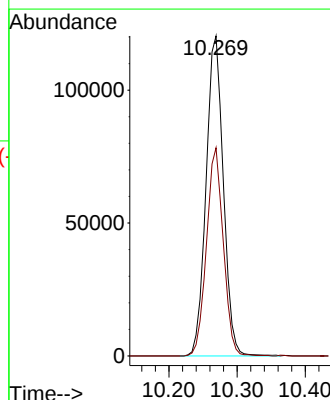
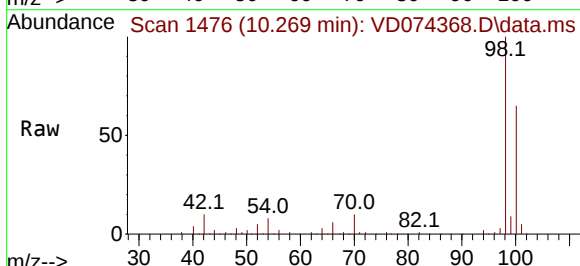
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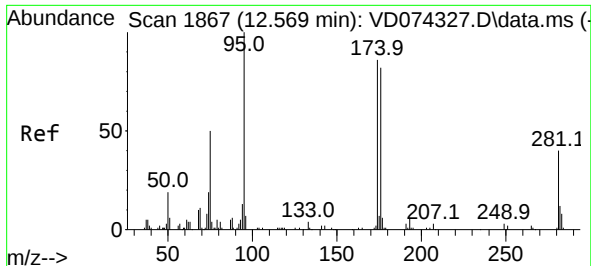
Tgt Ion: 98 Resp: 212321

Ion Ratio Lower Upper

98 100

100 63.3 51.8 77.8

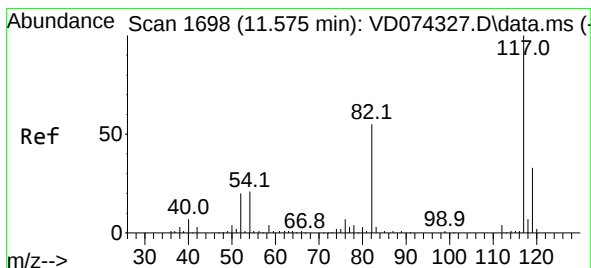
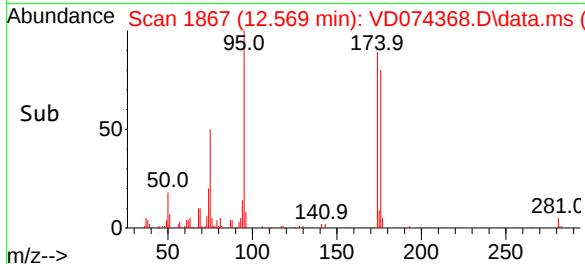
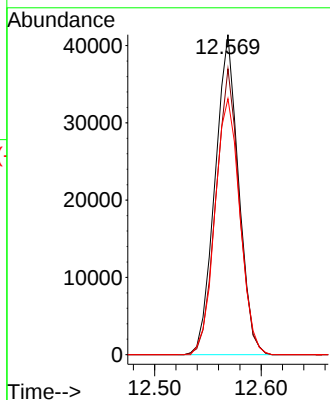
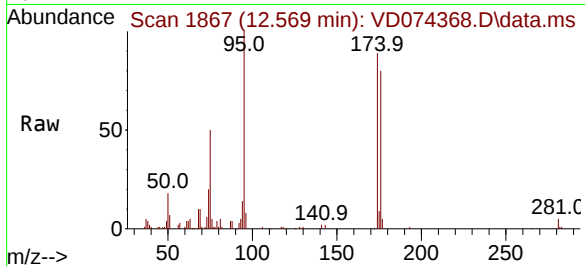




#62  
4-Bromofluorobenzene  
Concen: 41.191 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074368.D  
Acq: 20 Sep 2022 16:15

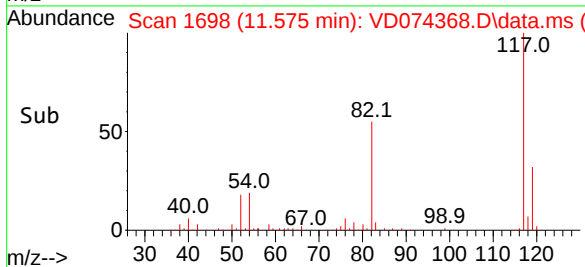
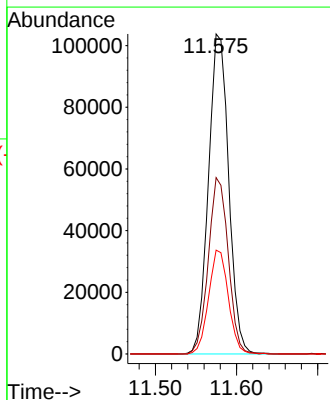
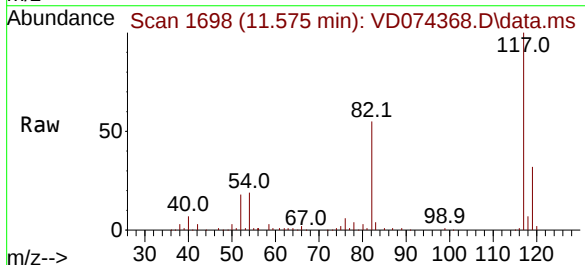
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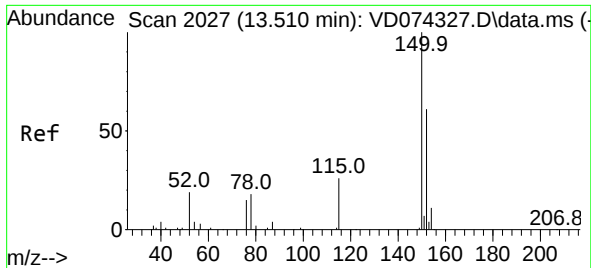
Tgt Ion: 95 Resp: 63649  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 179.2  
176 84.7 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.575 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VD074368.D  
Acq: 20 Sep 2022 16:15

Tgt Ion: 117 Resp: 179360  
Ion Ratio Lower Upper  
117 100  
82 55.1 44.2 66.2  
119 32.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD074368.D

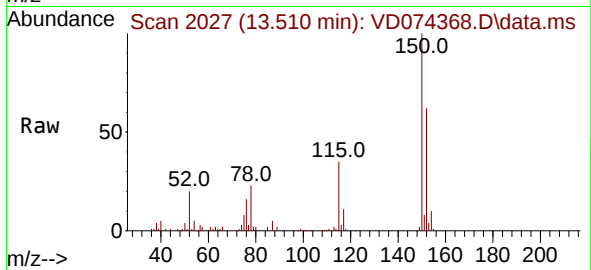
Acq: 20 Sep 2022 16:15

Instrument :

MSVOA\_D

ClientSampleId :

D22007-8.5



Tgt Ion:152 Resp: 83061

Ion Ratio Lower Upper

152 100

115 55.3 28.4 85.2

150 158.5 0.0 351.0

