

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052423\  
 Data File : VD076224.D  
 Acq On : 24 May 2023 20:10  
 Operator : KP/SY  
 Sample : 02867-01  
 Misc : 5.09G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP16

Quant Time: May 25 06:03:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

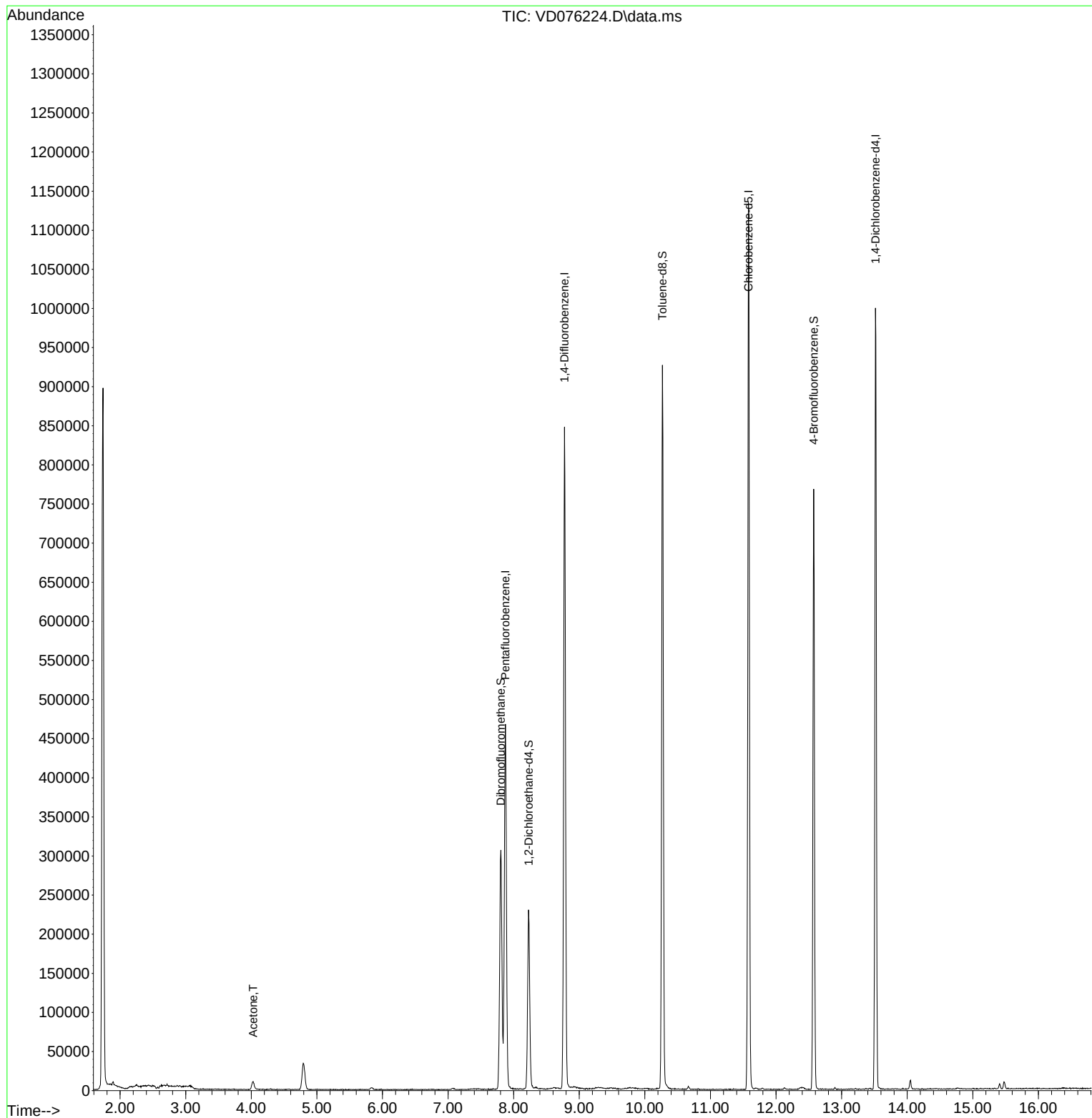
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.875  | 168   | 370894   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 774579   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 696199   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 278964   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 168064   | 46.885   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 93.780%  |
| 35) Dibromofluoromethane    | 7.804  | 113   | 228345   | 42.649   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 85.300%  |
| 50) Toluene-d8              | 10.269 | 98    | 680127   | 32.587   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 65.180%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 234274   | 40.408   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 80.820%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.028  | 43    | 17734    | 24.865   | ug/l # | 87       |
| -----                       |        |       |          |          |        |          |

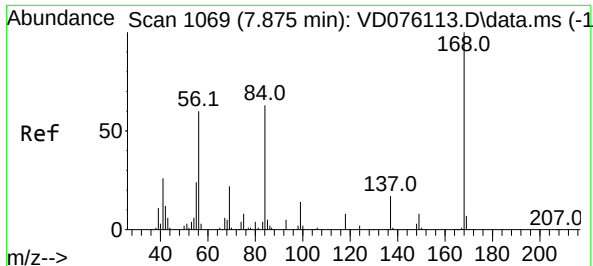
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052423\  
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MSVOA\_D  
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TP16

Quant Time: May 25 06:03:33 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 10:08:53 2023  
Response via : Initial Calibration

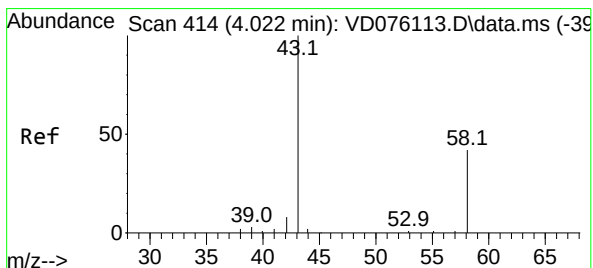
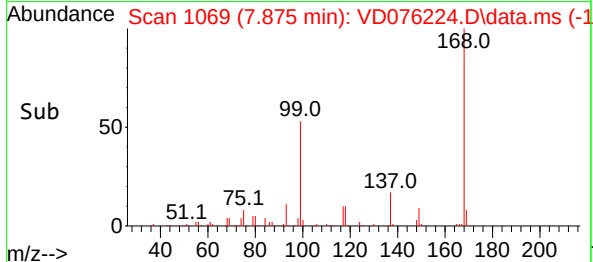
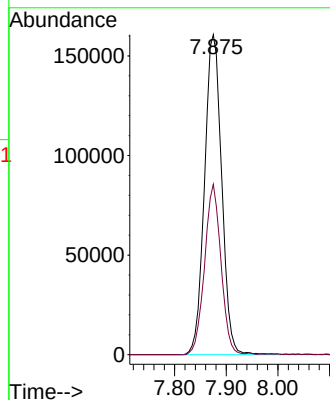
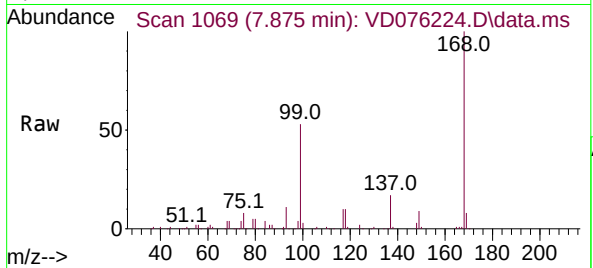




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076224.D  
Acq: 24 May 2023 20:10

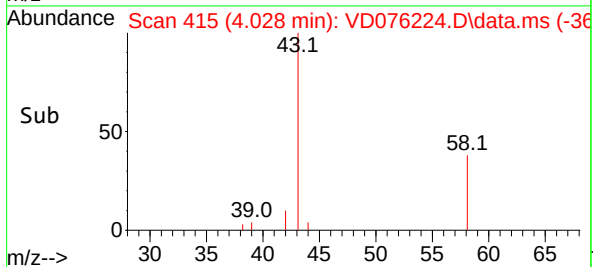
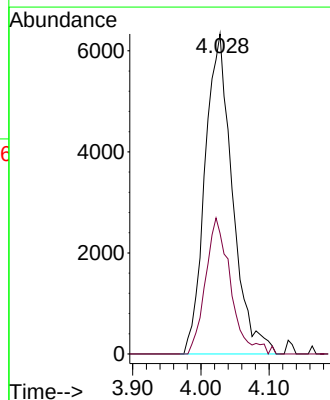
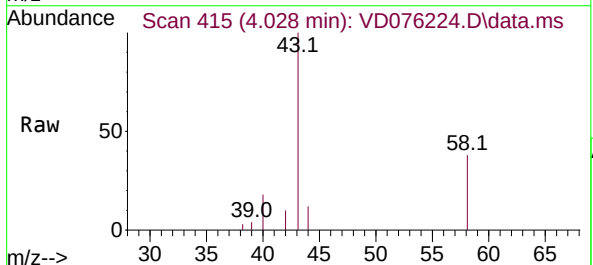
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP16

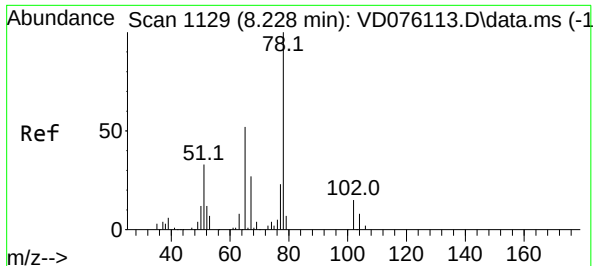
Tgt Ion:168 Resp: 370894  
Ion Ratio Lower Upper  
168 100  
99 53.2 43.8 65.6



#16  
Acetone  
Concen: 24.865 ug/l  
RT: 4.028 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VD076224.D  
Acq: 24 May 2023 20:10

Tgt Ion: 43 Resp: 17734  
Ion Ratio Lower Upper  
43 100  
58 37.7 24.4 36.6#





#33

1,2-Dichloroethane-d4

Concen: 46.885 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076224.D

Acq: 24 May 2023 20:10

Instrument :

MSVOA\_D

ClientSampleId :

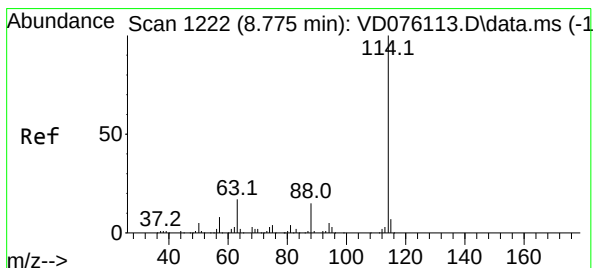
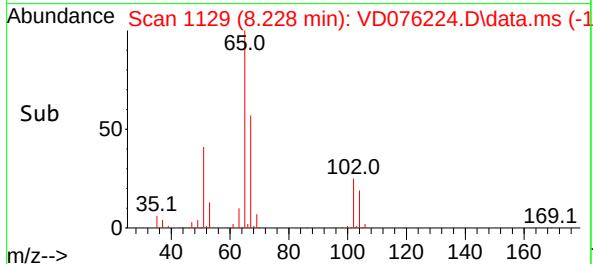
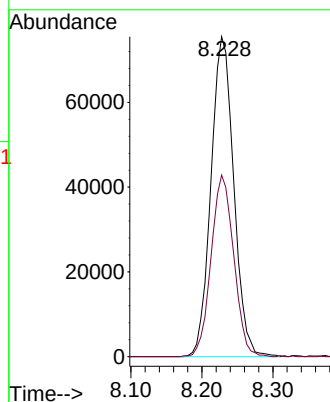
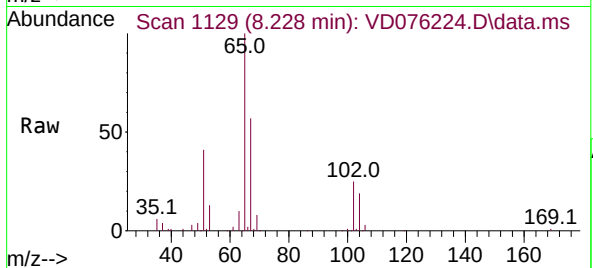
TP16

Tgt Ion: 65 Resp: 168064

Ion Ratio Lower Upper

65 100

67 56.4 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076224.D

Acq: 24 May 2023 20:10

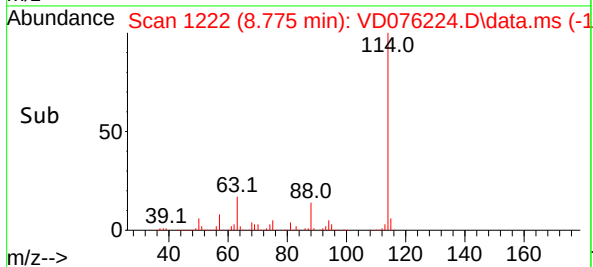
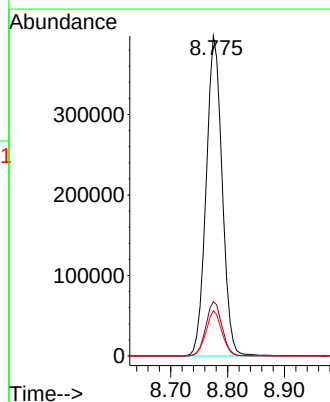
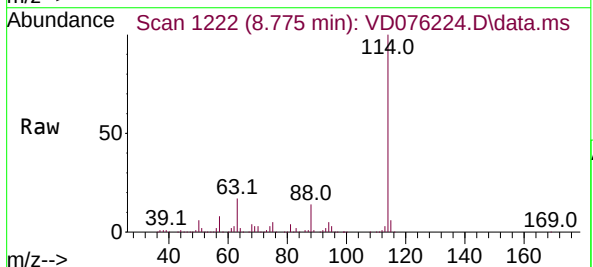
Tgt Ion: 114 Resp: 774579

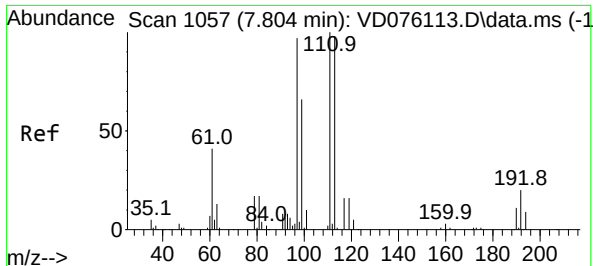
Ion Ratio Lower Upper

114 100

63 16.9 0.0 41.6

88 14.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 42.649 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076224.D

Acq: 24 May 2023 20:10

Instrument :

MSVOA\_D

ClientSampleId :

TP16

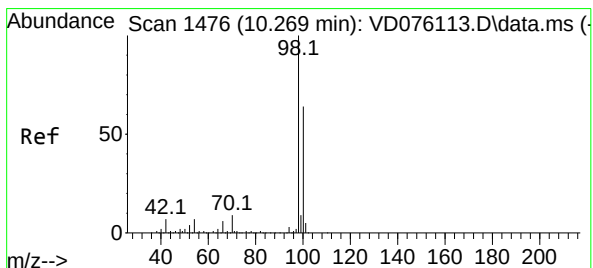
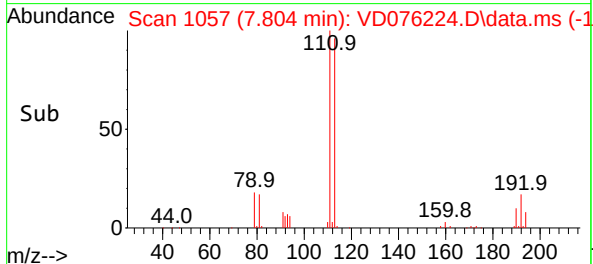
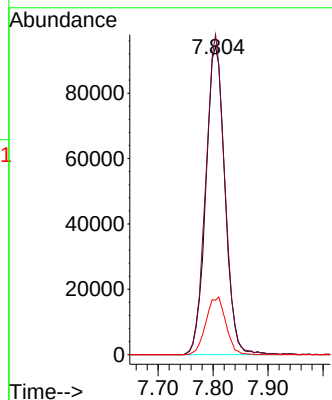
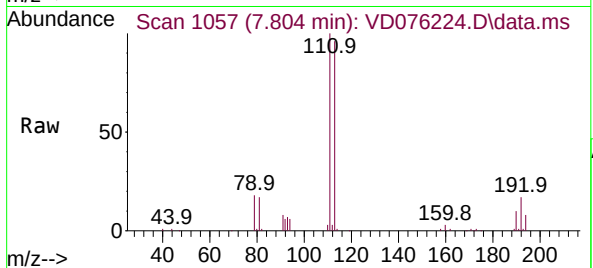
Tgt Ion:113 Resp: 228345

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 19.4 15.2 22.8



#50

Toluene-d8

Concen: 32.587 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076224.D

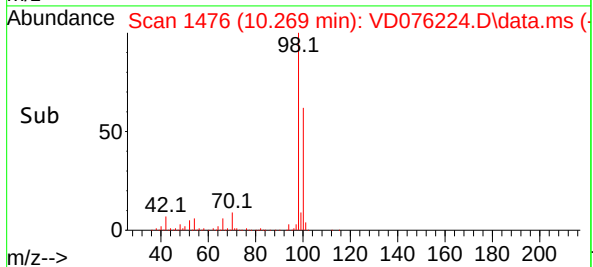
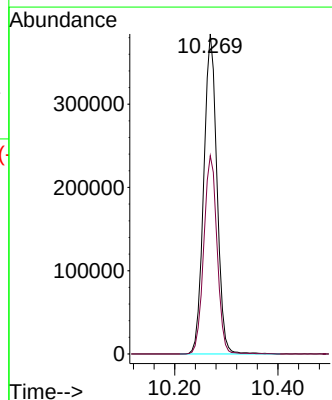
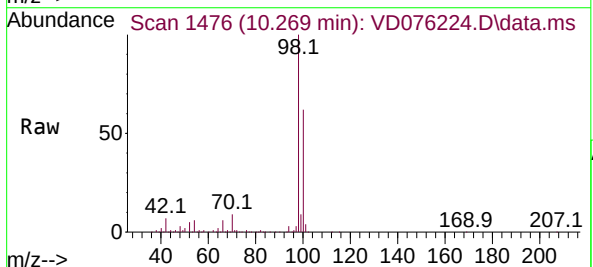
Acq: 24 May 2023 20:10

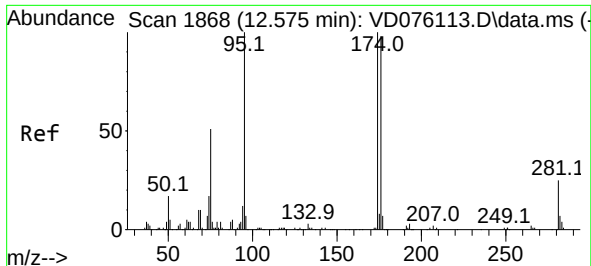
Tgt Ion: 98 Resp: 680127

Ion Ratio Lower Upper

98 100

100 62.5 52.1 78.1

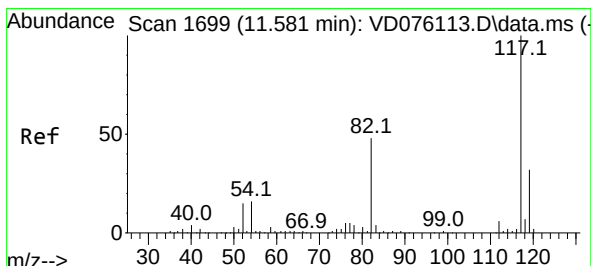
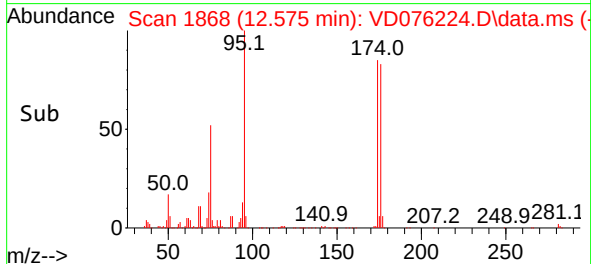
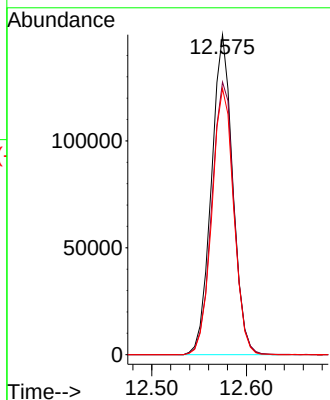
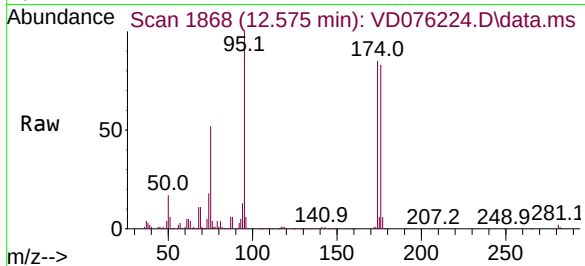




#62  
4-Bromofluorobenzene  
Concen: 40.408 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076224.D  
Acq: 24 May 2023 20:10

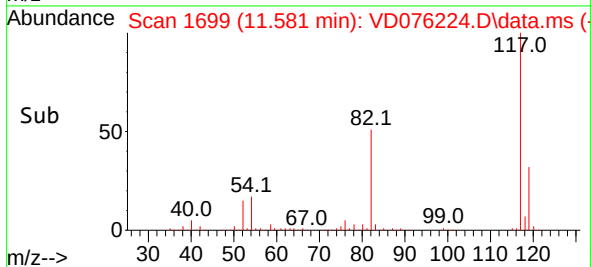
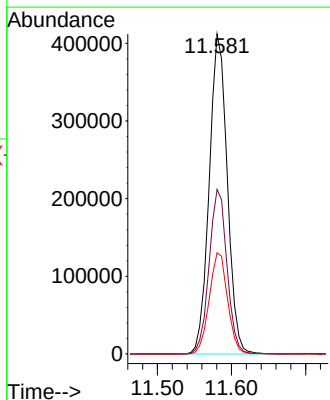
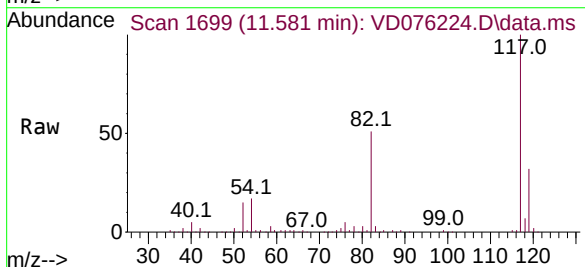
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP16

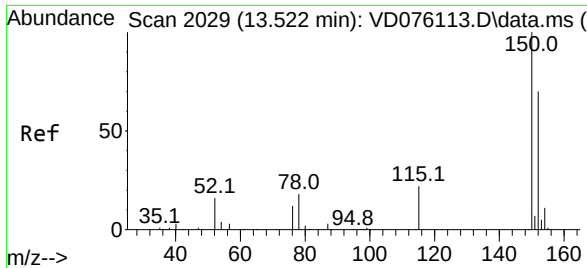
Tgt Ion: 95 Resp: 234274  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 164.0  
176 85.2 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD076224.D  
Acq: 24 May 2023 20:10

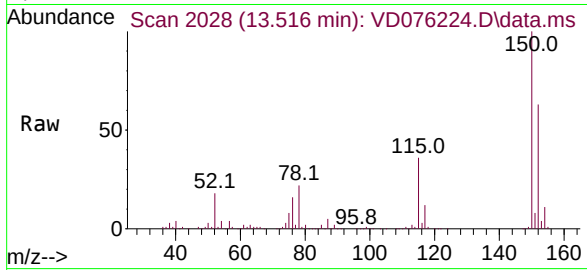
Tgt Ion: 117 Resp: 696199  
Ion Ratio Lower Upper  
117 100  
82 51.4 44.0 66.0  
119 31.6 25.1 37.7





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VD076224.D  
 Acq: 24 May 2023 20:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP16



Tgt Ion:152 Resp: 278964  
 Ion Ratio Lower Upper  
 152 100  
 115 53.6 30.1 90.3  
 150 157.9 0.0 364.8

