

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062323\  
 Data File : VD076557.D  
 Acq On : 23 Jun 2023 14:34  
 Operator : KP/SY  
 Sample : 03366-01RE  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB37RE

Quant Time: Jun 23 16:33:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 13851    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 26140    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 23895    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 9993     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 15209    | 109.595  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 219.180%# |
| 35) Dibromofluoromethane    | 7.810  | 113   | 12120    | 78.048   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 156.100%# |
| 50) Toluene-d8              | 10.269 | 98    | 35283    | 59.910   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 119.820%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 10813    | 56.573   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 113.140%  |

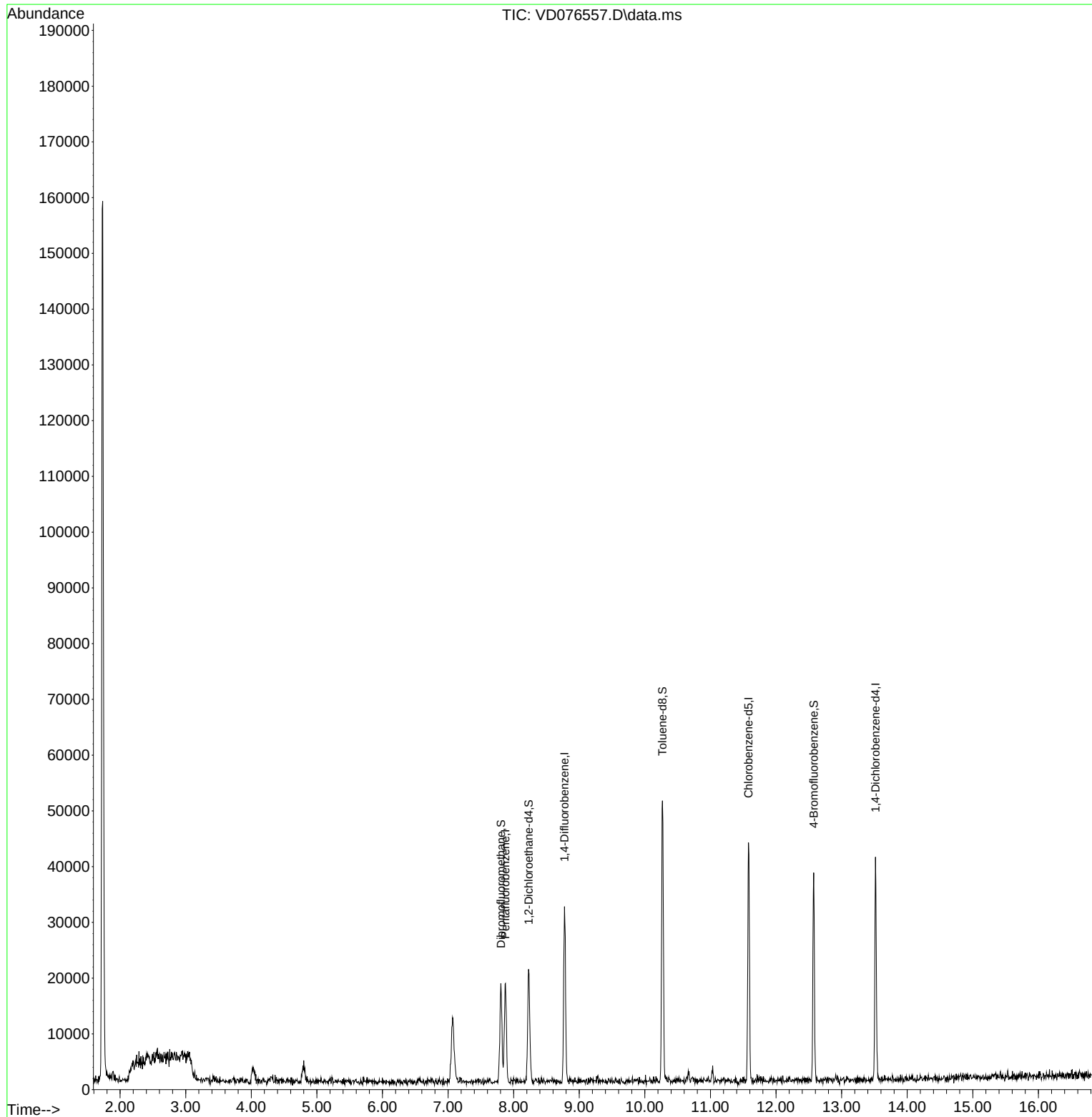
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

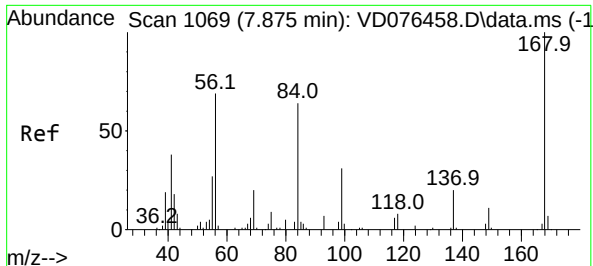
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
SB37RE

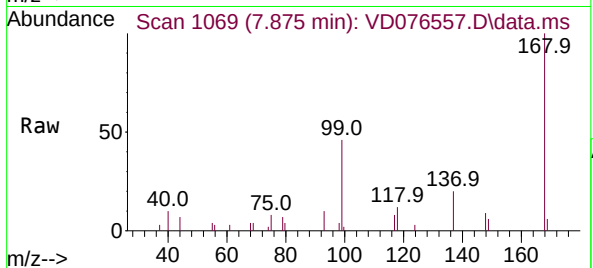
Quant Time: Jun 23 16:33:31 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 19 04:51:45 2023  
Response via : Initial Calibration



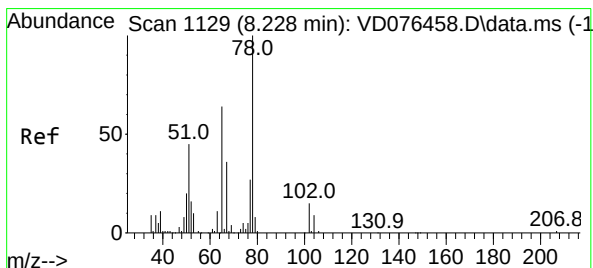
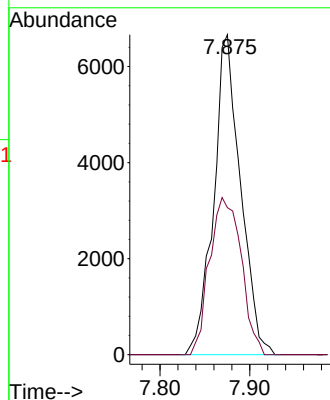
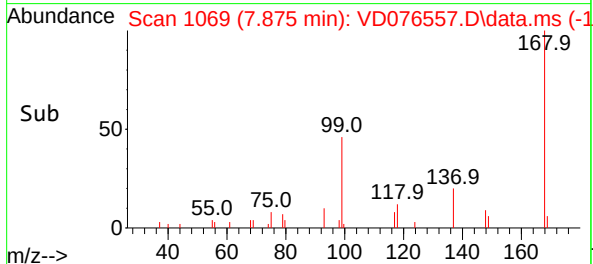


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD076557.D  
Acq: 23 Jun 2023 14:34

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB37RE

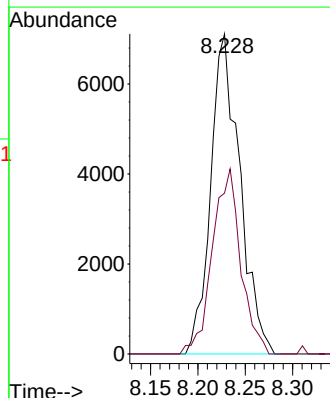
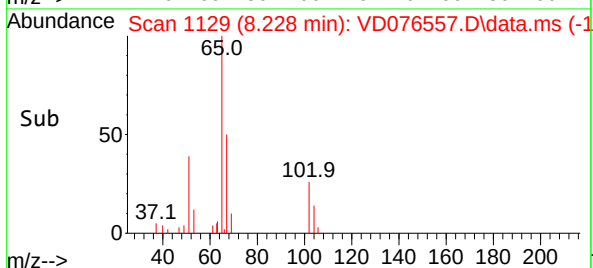
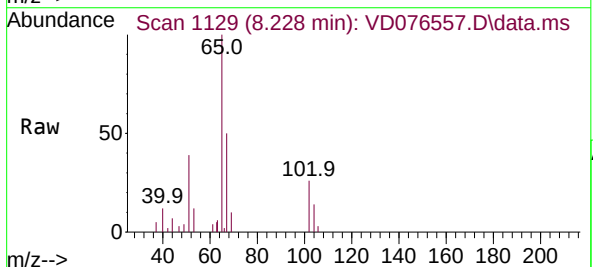


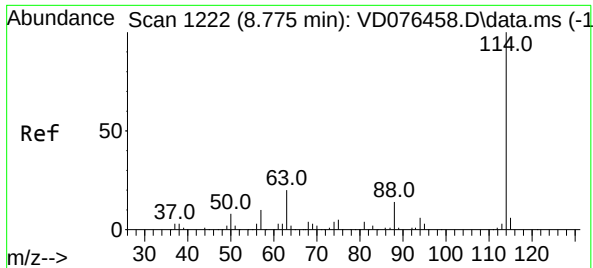
Tgt Ion:168 Resp: 13851  
Ion Ratio Lower Upper  
168 100  
99 45.9 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 109.595 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD076557.D  
Acq: 23 Jun 2023 14:34

Tgt Ion: 65 Resp: 15209  
Ion Ratio Lower Upper  
65 100  
67 56.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076557.D

Acq: 23 Jun 2023 14:34

Instrument :

MSVOA\_D

ClientSampleId :

SB37RE

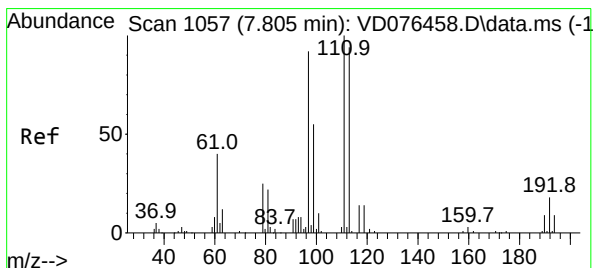
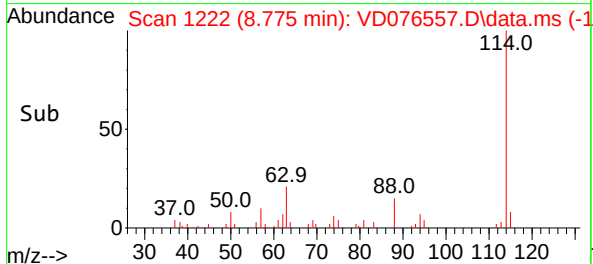
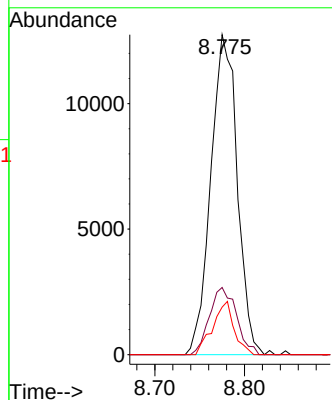
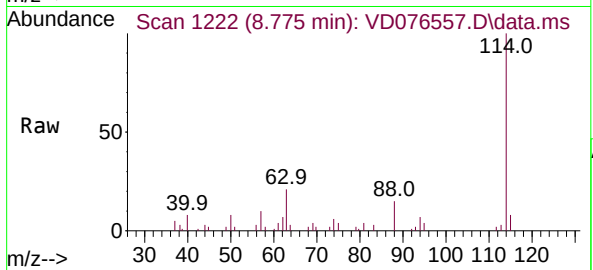
Tgt Ion:114 Resp: 26140

Ion Ratio Lower Upper

114 100

63 21.0 0.0 33.4

88 14.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 78.048 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD076557.D

Acq: 23 Jun 2023 14:34

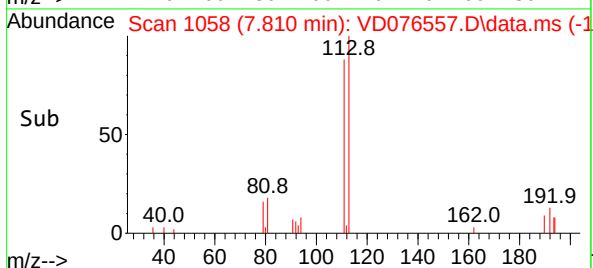
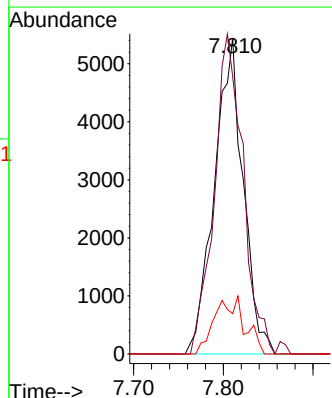
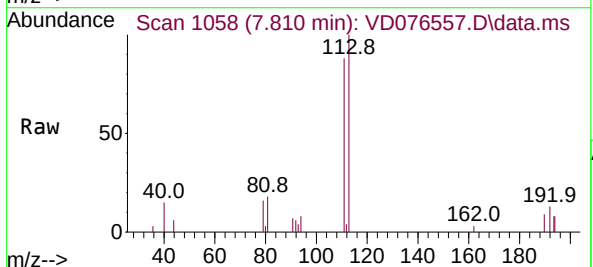
Tgt Ion:113 Resp: 12120

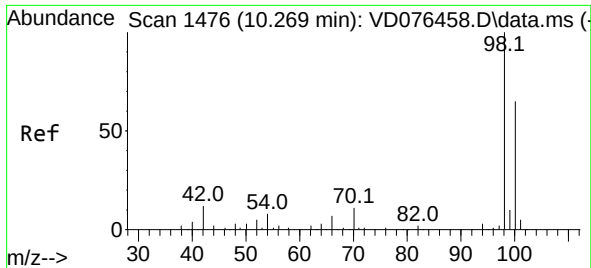
Ion Ratio Lower Upper

113 100

111 101.7 84.7 127.1

192 18.8 16.8 25.2

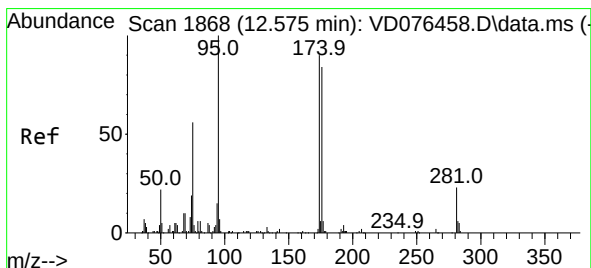
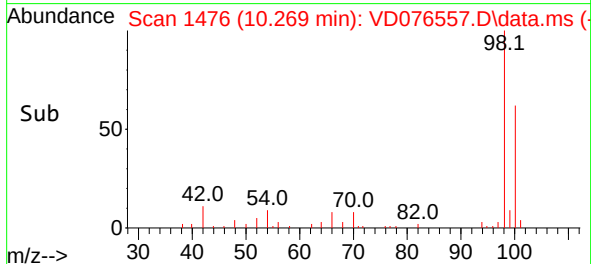
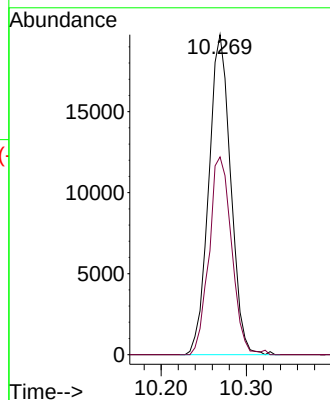
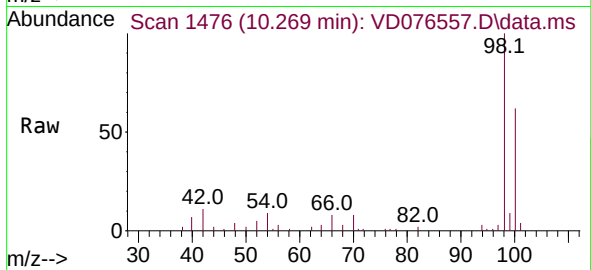




#50  
Toluene-d8  
Concen: 59.910 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD076557.D  
Acq: 23 Jun 2023 14:34

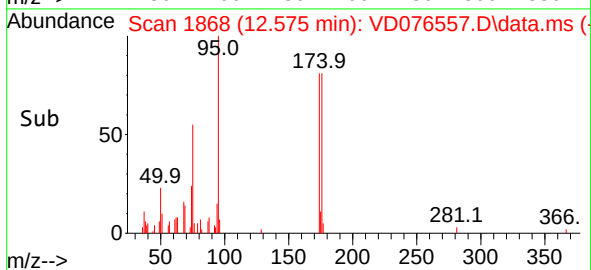
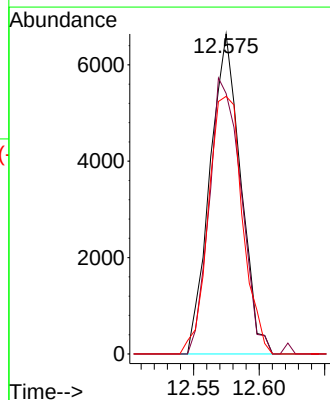
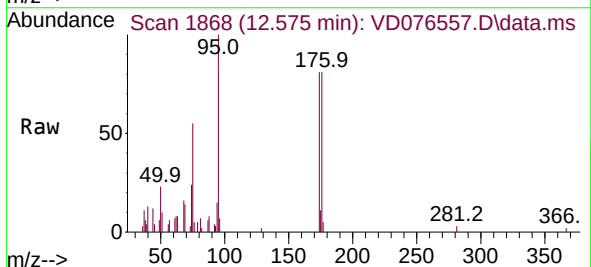
Instrument :  
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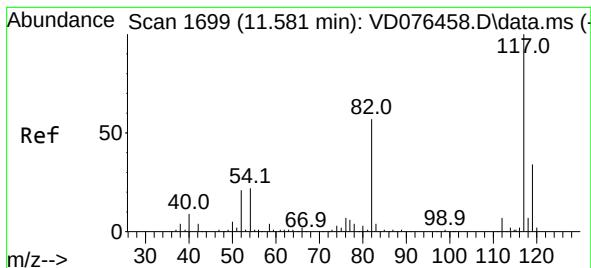
Tgt Ion: 98 Resp: 35283  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 56.573 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076557.D  
Acq: 23 Jun 2023 14:34

Tgt Ion: 95 Resp: 10813  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 201.8  
176 89.2 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VD076557.D

Acq: 23 Jun 2023 14:34

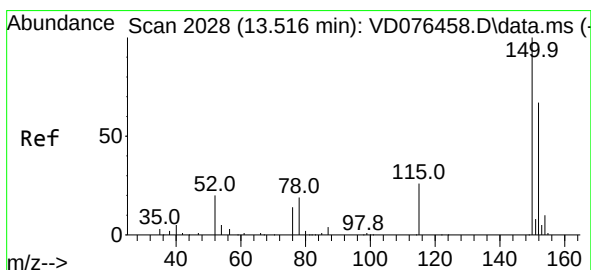
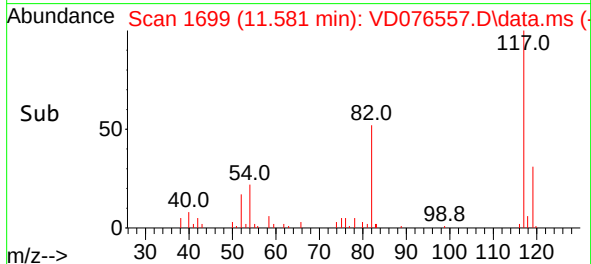
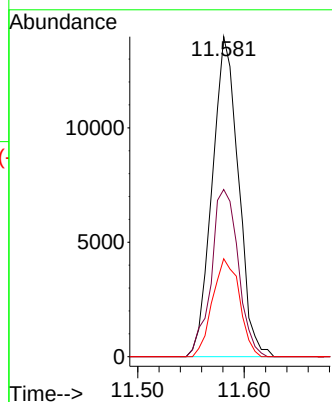
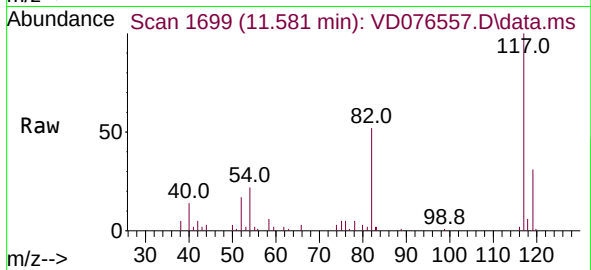
Instrument :

MSVOA\_D

ClientSampleId :

SB37RE

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:117 | Resp: | 23895     |
| Ion Ratio   | Lower | Upper     |
| 117         | 100   |           |
| 82          | 52.2  | 38.3 57.5 |
| 119         | 30.6  | 25.0 37.4 |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD076557.D

Acq: 23 Jun 2023 14:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 9993      |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 57.7  | 27.1 81.3 |
| 150         | 155.0 | 0.0 353.6 |

