

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111824\  
 Data File : VD080063.D  
 Acq On : 18 Nov 2024 12:35  
 Operator : RP/MD  
 Sample : P4824-01RE  
 Misc : 5.10G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 T-20RE

Quant Time: Nov 19 04:46:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 15 16:25:47 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.875  | 168   | 32941    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 58285    | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 54273    | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 26296    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 30206    | 89.061   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 178.120%# |
| 35) Dibromofluoromethane    | 7.805  | 113   | 27067    | 69.777   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 139.560%  |
| 50) Toluene-d8              | 10.269 | 98    | 71103    | 48.634   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 97.260%   |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 23090    | 48.137   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 96.280%   |

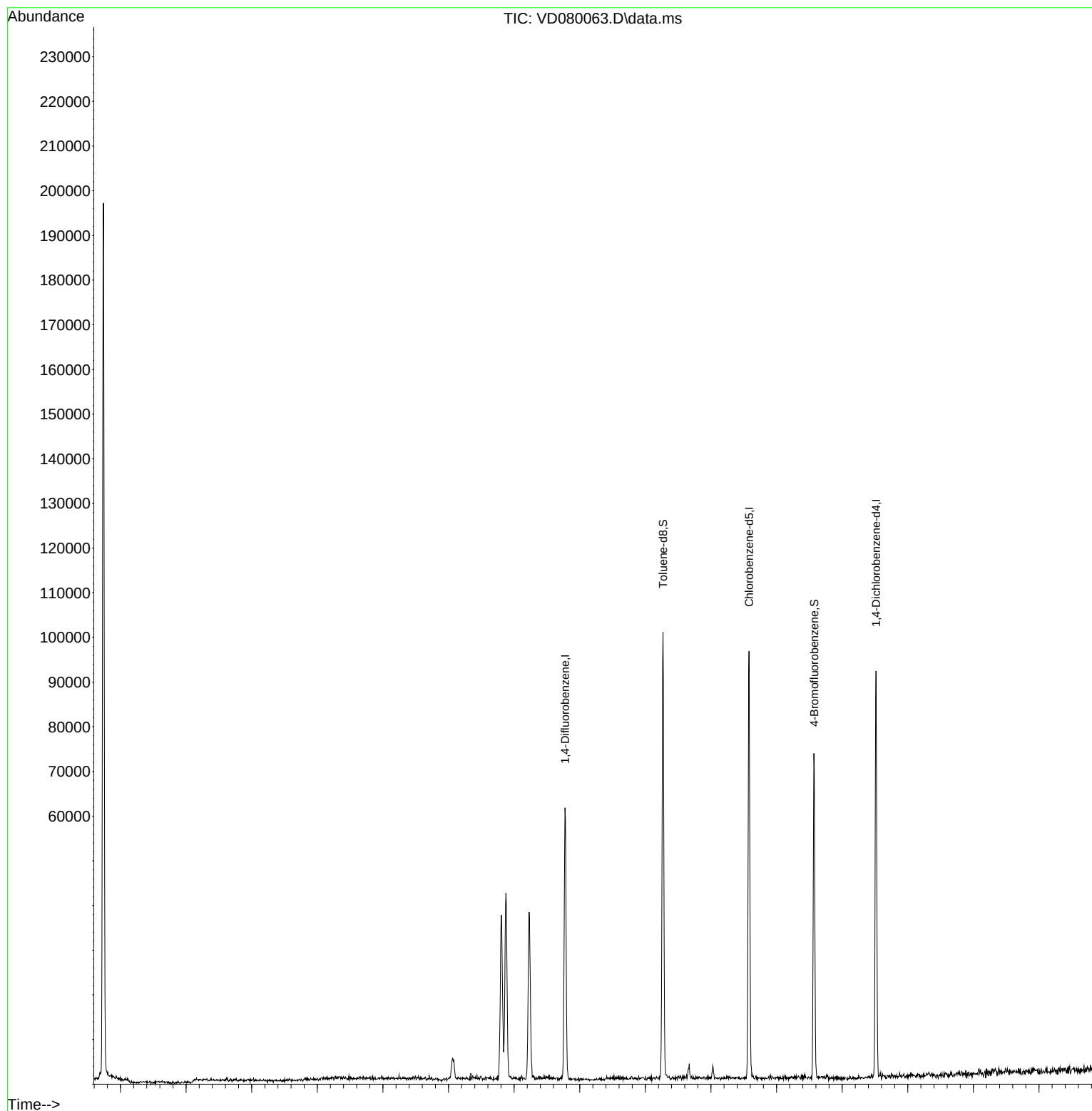
Target Compounds Qvalue

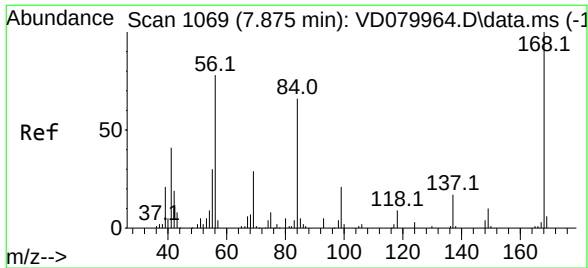
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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T-20RE

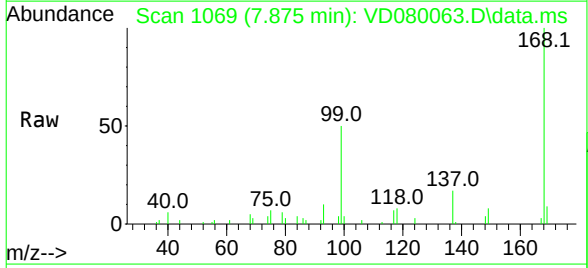
Quant Time: Nov 19 04:46:10 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 15 16:25:47 2024  
Response via : Initial Calibration



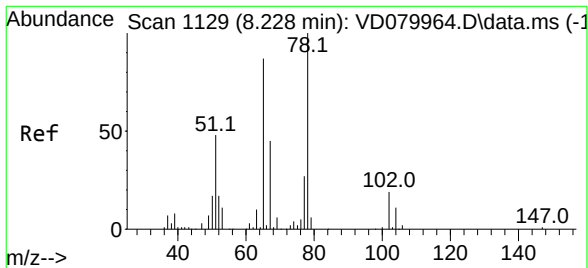
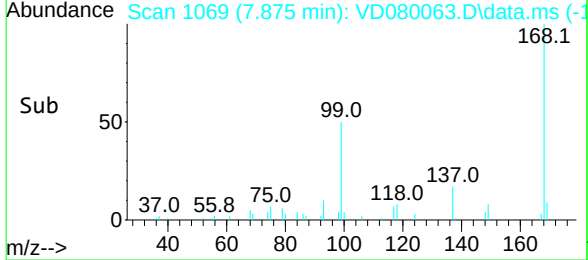
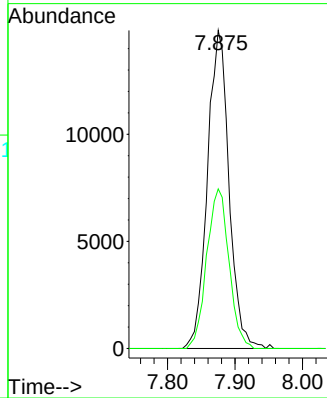


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD080063.D  
Acq: 18 Nov 2024 12:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
T-20RE

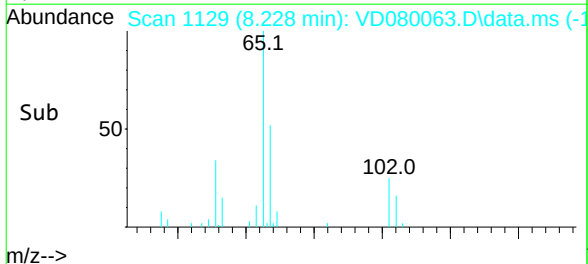
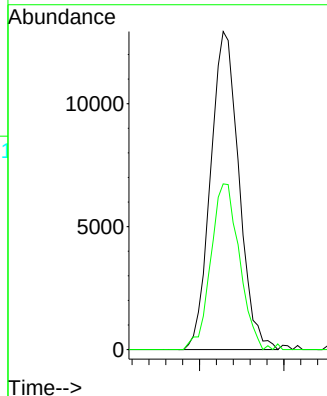
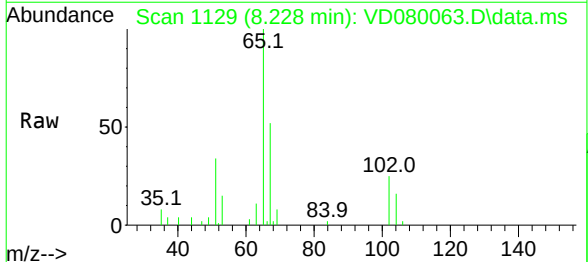


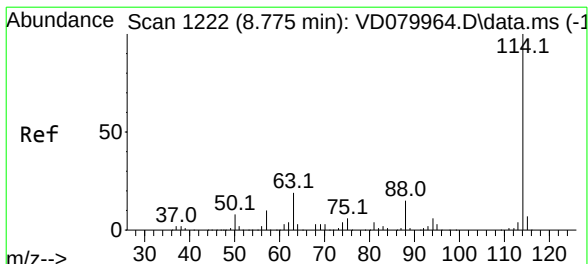
Tgt Ion:168 Resp: 32941  
Ion Ratio Lower Upper  
168 100  
99 50.2 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 89.061 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD080063.D  
Acq: 18 Nov 2024 12:35

Tgt Ion: 65 Resp: 30206  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 109.2

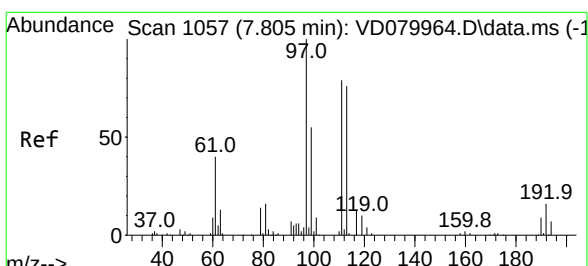
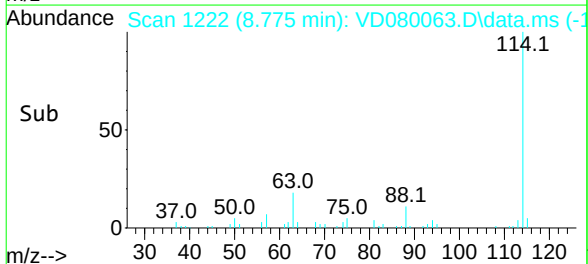
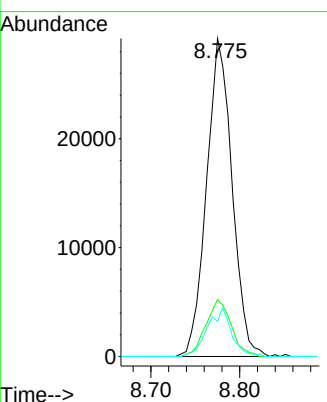
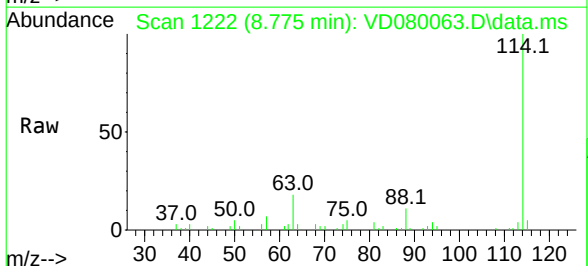




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.775 min Scan# 12  
 Delta R.T. 0.000 min  
 Lab File: VD080063.D  
 Acq: 18 Nov 2024 12:35

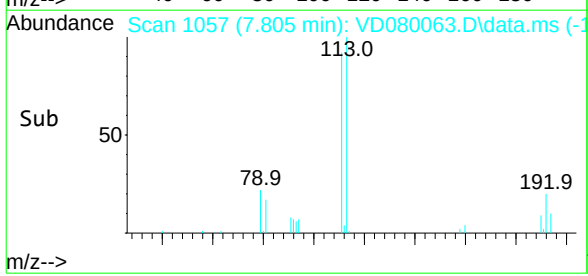
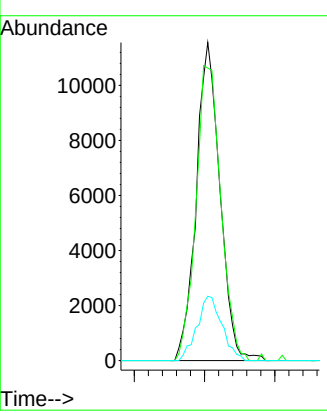
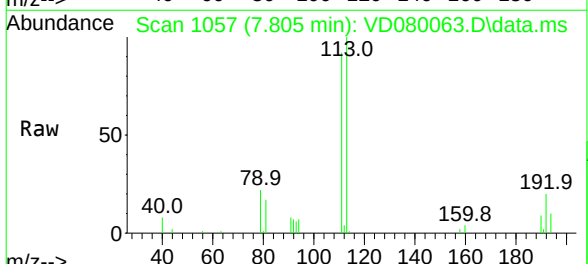
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 T-20RE

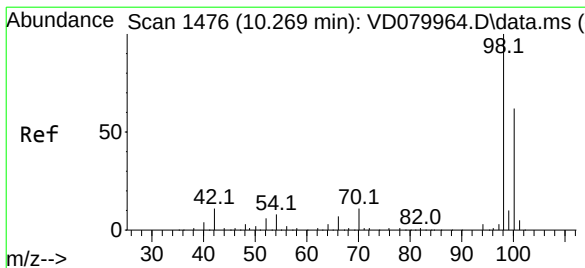
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 58285 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 17.9  | 0.0   | 38.8  |
| 88       | 11.1  | 0.0   | 30.6  |



#35  
 Dibromofluoromethane  
 Concen: 69.777 ug/l  
 RT: 7.805 min Scan# 1057  
 Delta R.T. -0.000 min  
 Lab File: VD080063.D  
 Acq: 18 Nov 2024 12:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 27067 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 97.8  | 82.5  | 123.7 |
| 192      | 21.3  | 16.6  | 25.0  |





#50

Toluene-d8

Concen: 48.634 ug/l

RT: 10.269 min Scan# 14

Delta R.T. 0.000 min

Lab File: VD080063.D

Acq: 18 Nov 2024 12:35

Instrument :

MSVOA\_D

ClientSampleId :

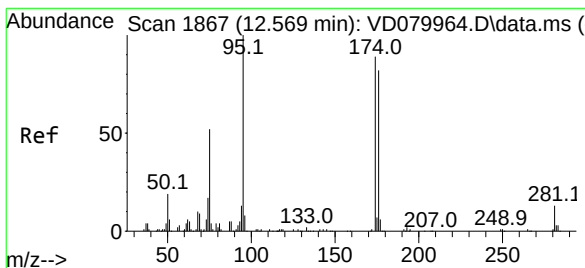
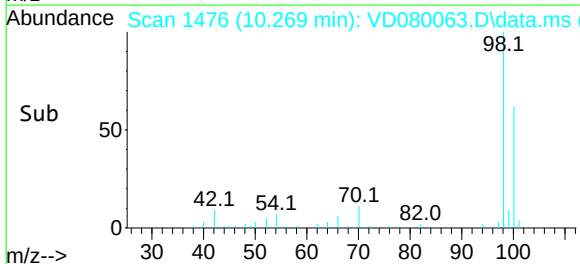
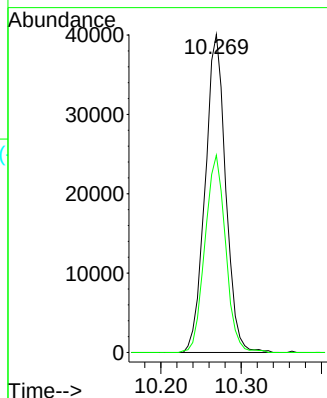
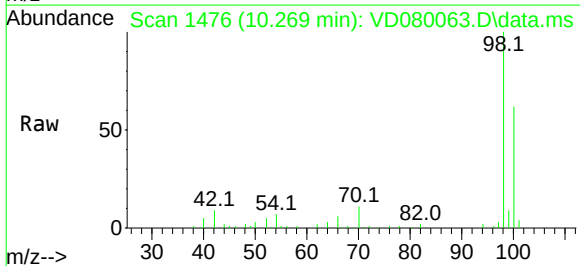
T-20RE

Tgt Ion: 98 Resp: 71103

Ion Ratio Lower Upper

98 100

100 62.5 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 48.137 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD080063.D

Acq: 18 Nov 2024 12:35

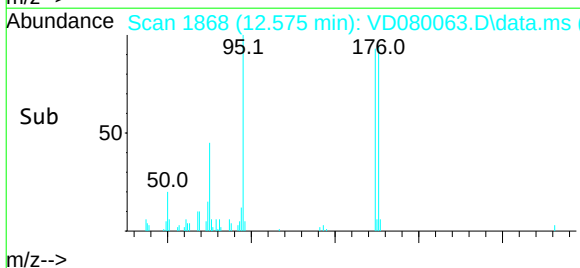
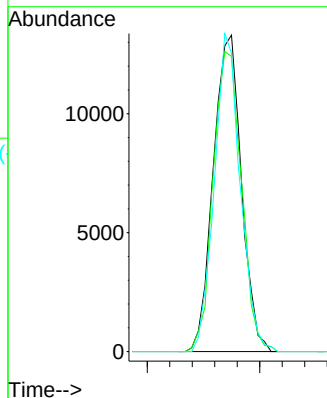
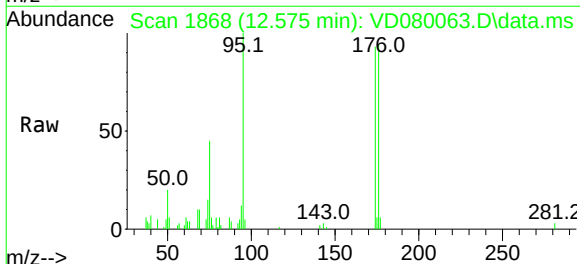
Tgt Ion: 95 Resp: 23090

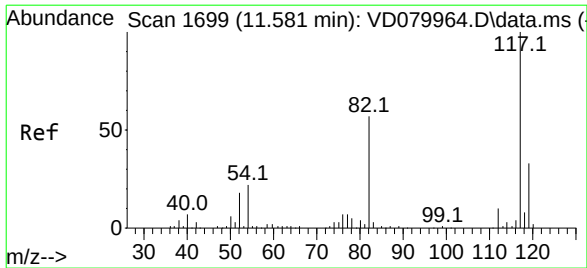
Ion Ratio Lower Upper

95 100

174 95.3 0.0 173.4

176 92.6 0.0 166.6

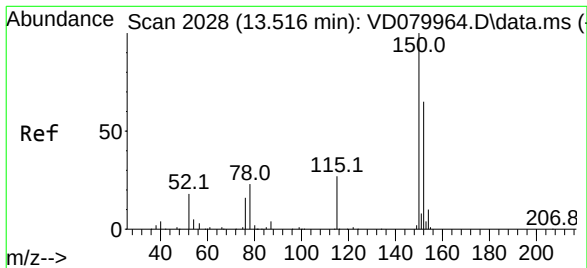
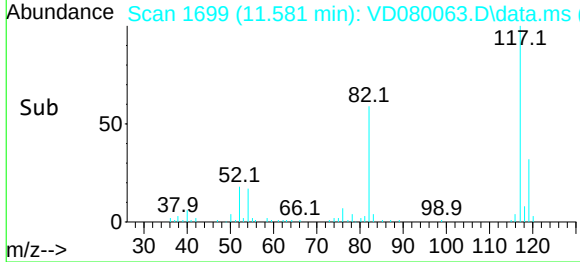
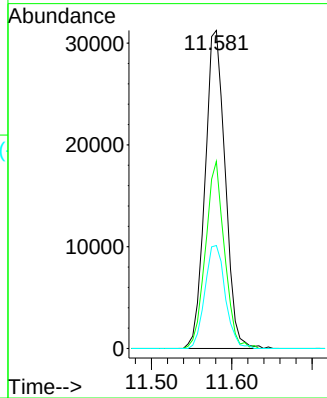
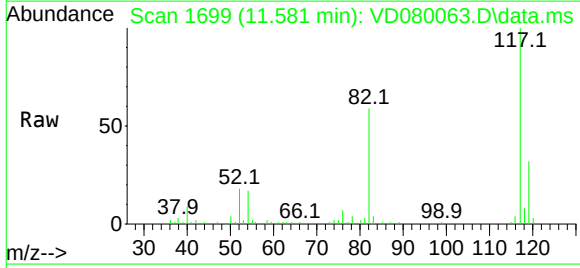




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD080063.D  
Acq: 18 Nov 2024 12:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
T-20RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 54273 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 58.8  | 45.8  | 68.6  |
| 119      | 32.4  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD080063.D  
Acq: 18 Nov 2024 12:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 26296 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 56.3  | 28.9  | 86.8  |
| 150      | 160.5 | 0.0   | 354.8 |

