

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111924\  
 Data File : VD080083.D  
 Acq On : 19 Nov 2024 15:07  
 Operator : RP/MD  
 Sample : VD1119SBL01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1119SBL01

Quant Time: Nov 19 17:48:30 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   | 140802   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775  | 114   | 248359   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.581 | 117   | 236539   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.516 | 152   | 108431   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 93730    | 64.655   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 129.320% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 93819    | 56.760   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 113.520% |
| 50) Toluene-d8              | 10.269 | 98    | 321673   | 51.635   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 103.260% |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 99742    | 48.799   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 97.600%  |

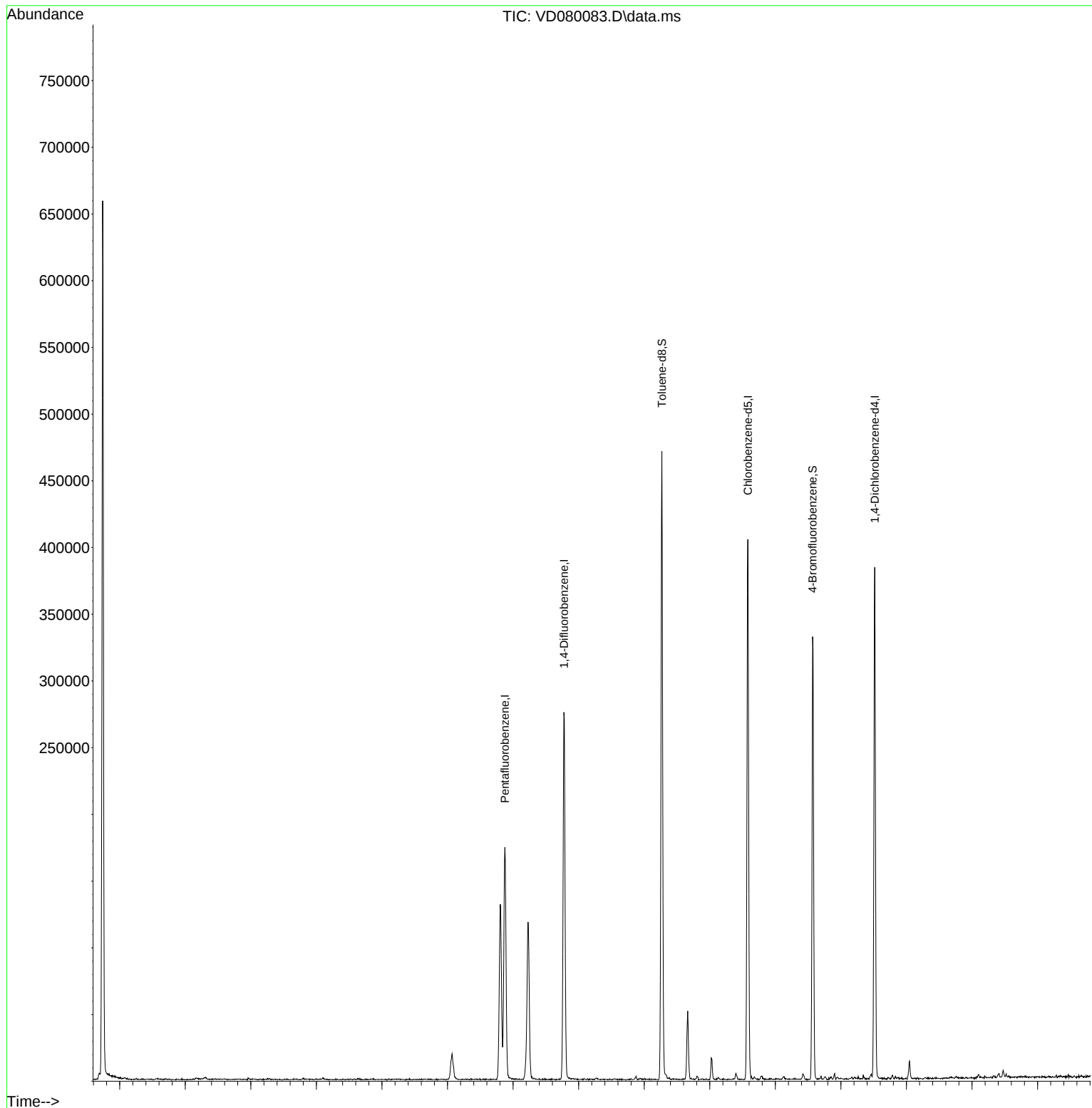
Target Compounds Qvalue

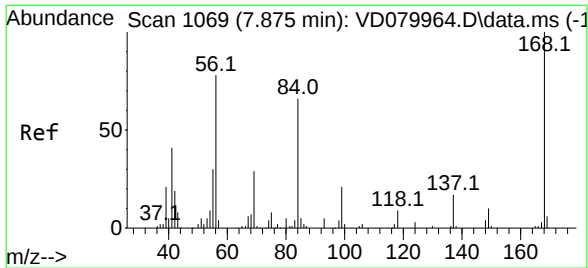
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 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1119SBL01

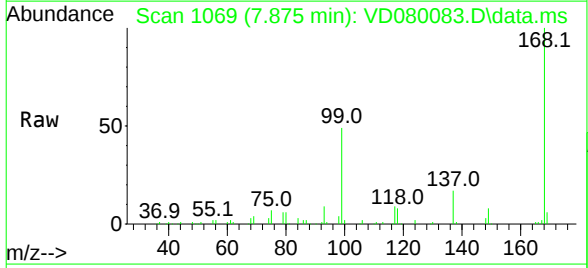
Quant Time: Nov 19 17:48:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 15 16:25:47 2024  
Response via : Initial Calibration



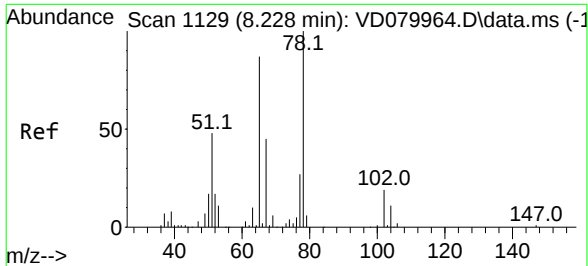
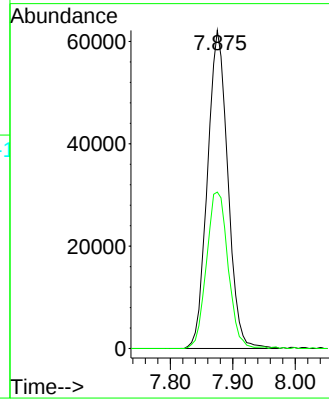
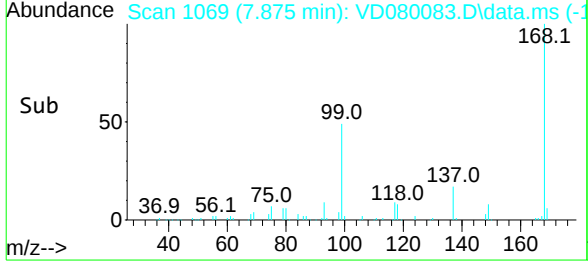


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD080083.D  
Acq: 19 Nov 2024 15:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1119SBL01

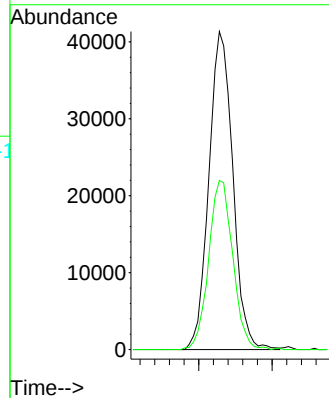
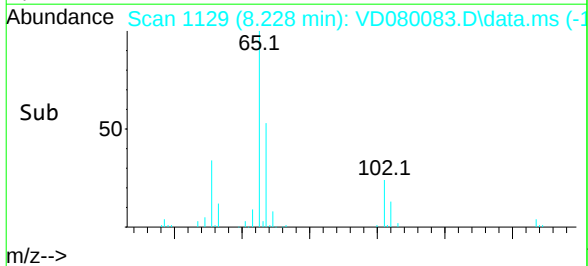
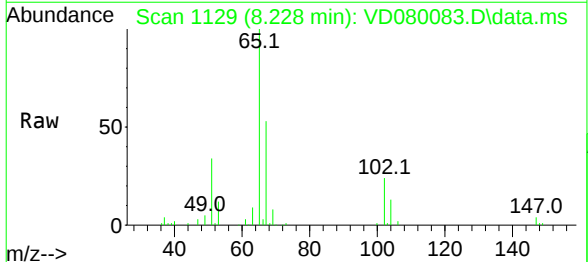


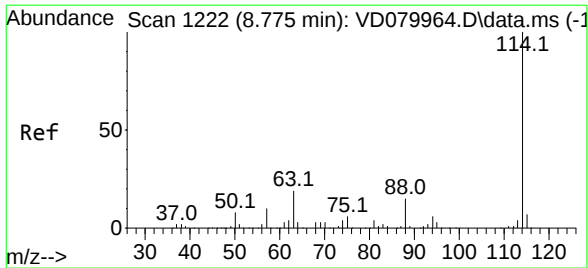
Tgt Ion:168 Resp: 140802  
Ion Ratio Lower Upper  
168 100  
99 49.2 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 64.655 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD080083.D  
Acq: 19 Nov 2024 15:07

Tgt Ion: 65 Resp: 93730  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 109.2

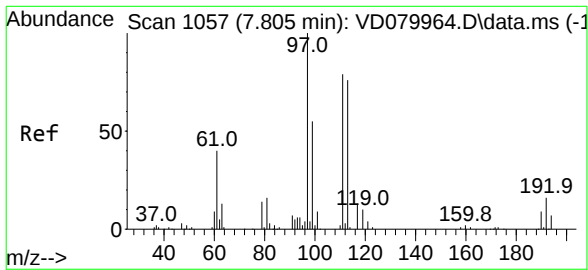
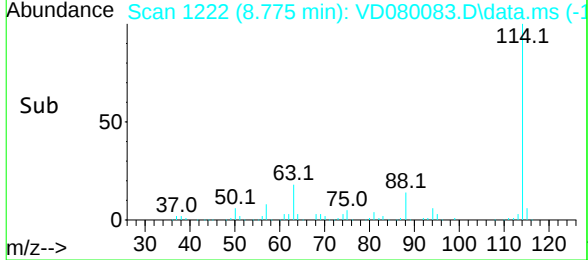
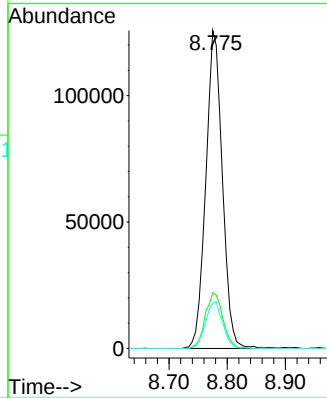
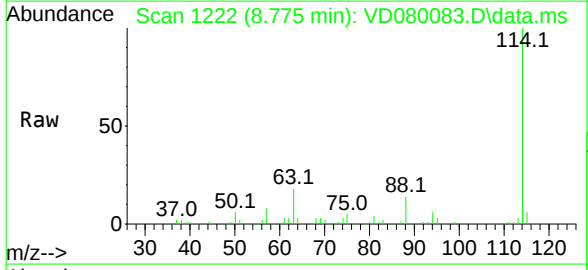




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VD080083.D  
Acq: 19 Nov 2024 15:07

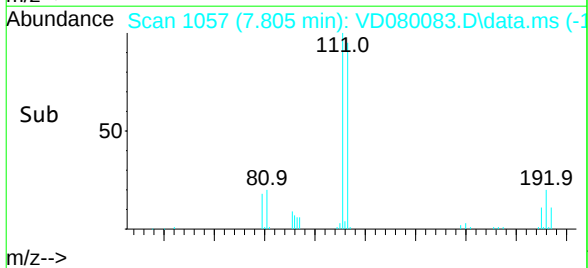
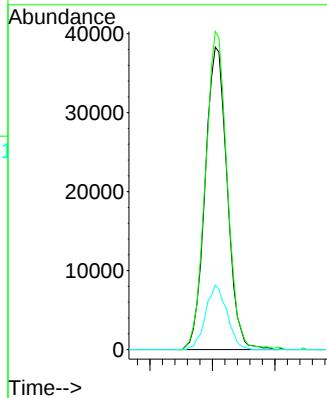
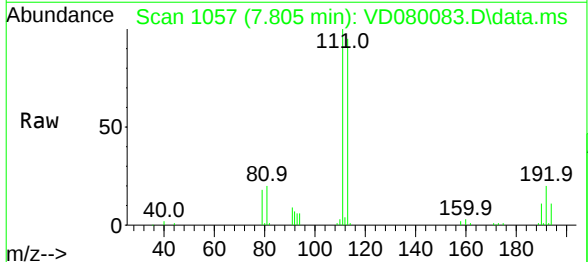
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1119SBL01

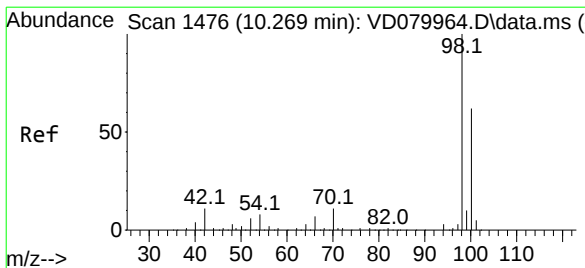
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 248359 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 17.6  | 0.0   | 38.8   |
| 88       | 14.2  | 0.0   | 30.6   |



#35  
Dibromofluoromethane  
Concen: 56.760 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD080083.D  
Acq: 19 Nov 2024 15:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 93819 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.1 | 82.5  | 123.7 |
| 192      | 20.7  | 16.6  | 25.0  |





#50

Toluene-d8

Concen: 51.635 ug/l

RT: 10.269 min Scan# 14

Delta R.T. 0.000 min

Lab File: VD080083.D

Acq: 19 Nov 2024 15:07

Instrument :

MSVOA\_D

ClientSampleId :

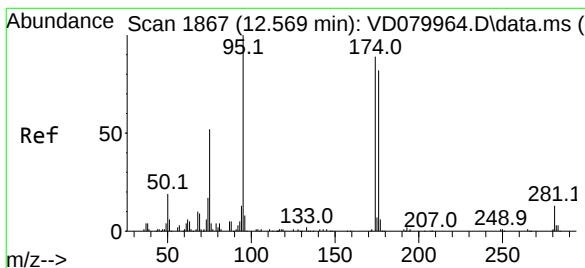
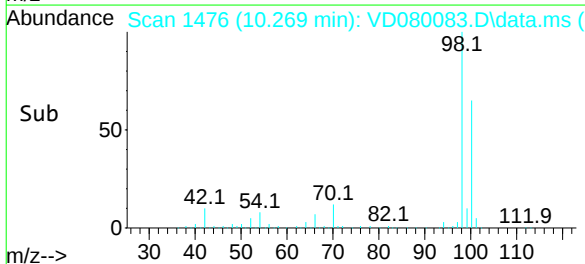
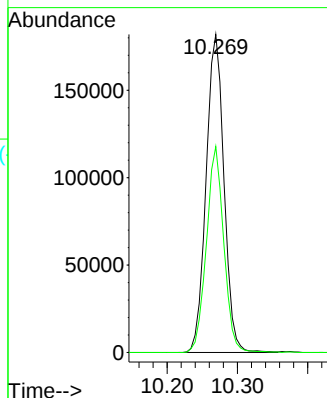
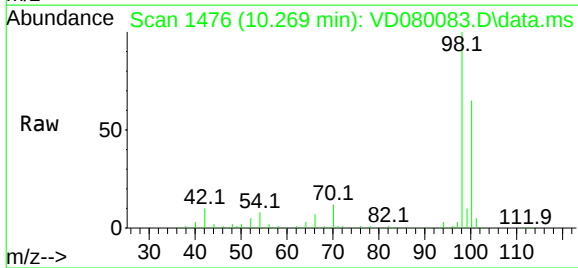
VD1119SBL01

Tgt Ion: 98 Resp: 321673

Ion Ratio Lower Upper

98 100

100 63.0 50.2 75.4



#62

4-Bromofluorobenzene

Concen: 48.799 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VD080083.D

Acq: 19 Nov 2024 15:07

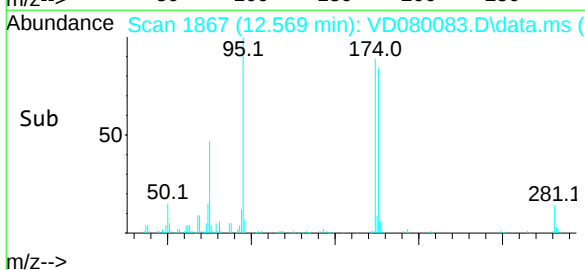
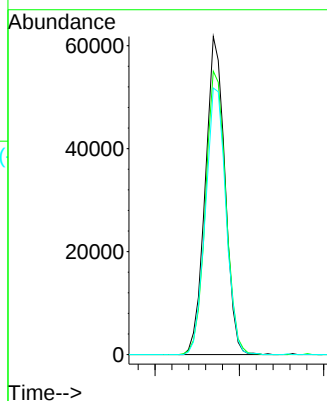
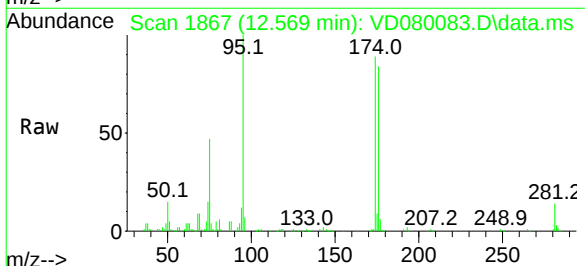
Tgt Ion: 95 Resp: 99742

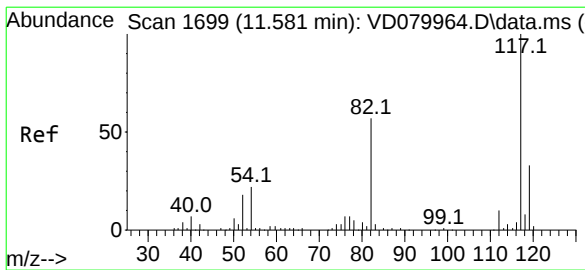
Ion Ratio Lower Upper

95 100

174 92.1 0.0 173.4

176 87.2 0.0 166.6

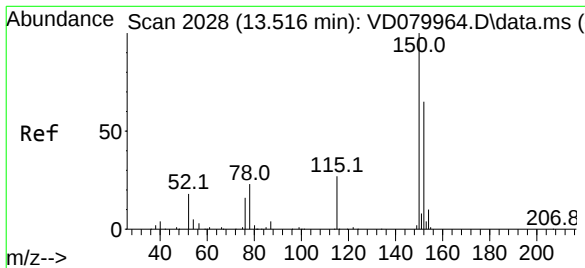
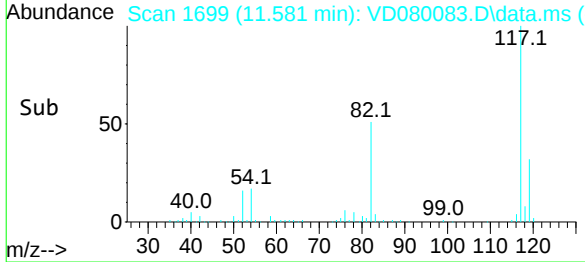
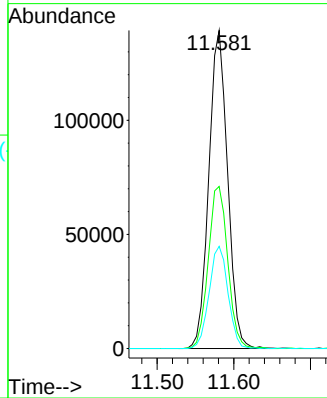
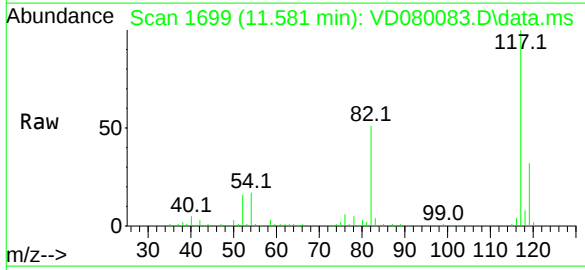




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD080083.D  
Acq: 19 Nov 2024 15:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1119SBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 236539 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 51.0  | 45.8  | 68.6   |
| 119      | 32.1  | 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: VD080083.D  
Acq: 19 Nov 2024 15:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 108431 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.5  | 28.9  | 86.8   |
| 150      | 155.0 | 0.0   | 354.8  |

