

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111122\  
 Data File : VD074899.D  
 Acq On : 11 Nov 2022 18:52  
 Operator : VA/SY  
 Sample : N5531-01RE  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUP03RE

Quant Time: Nov 14 00:57:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 12451    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 25594    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 27628    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 13536    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 14702    | 194.872  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 389.740%# |
| 35) Dibromofluoromethane    | 7.810  | 113   | 12303    | 77.981   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 155.960%# |
| 50) Toluene-d8              | 10.269 | 98    | 33655    | 64.759   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 129.520%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 11017    | 69.037   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 138.080%  |

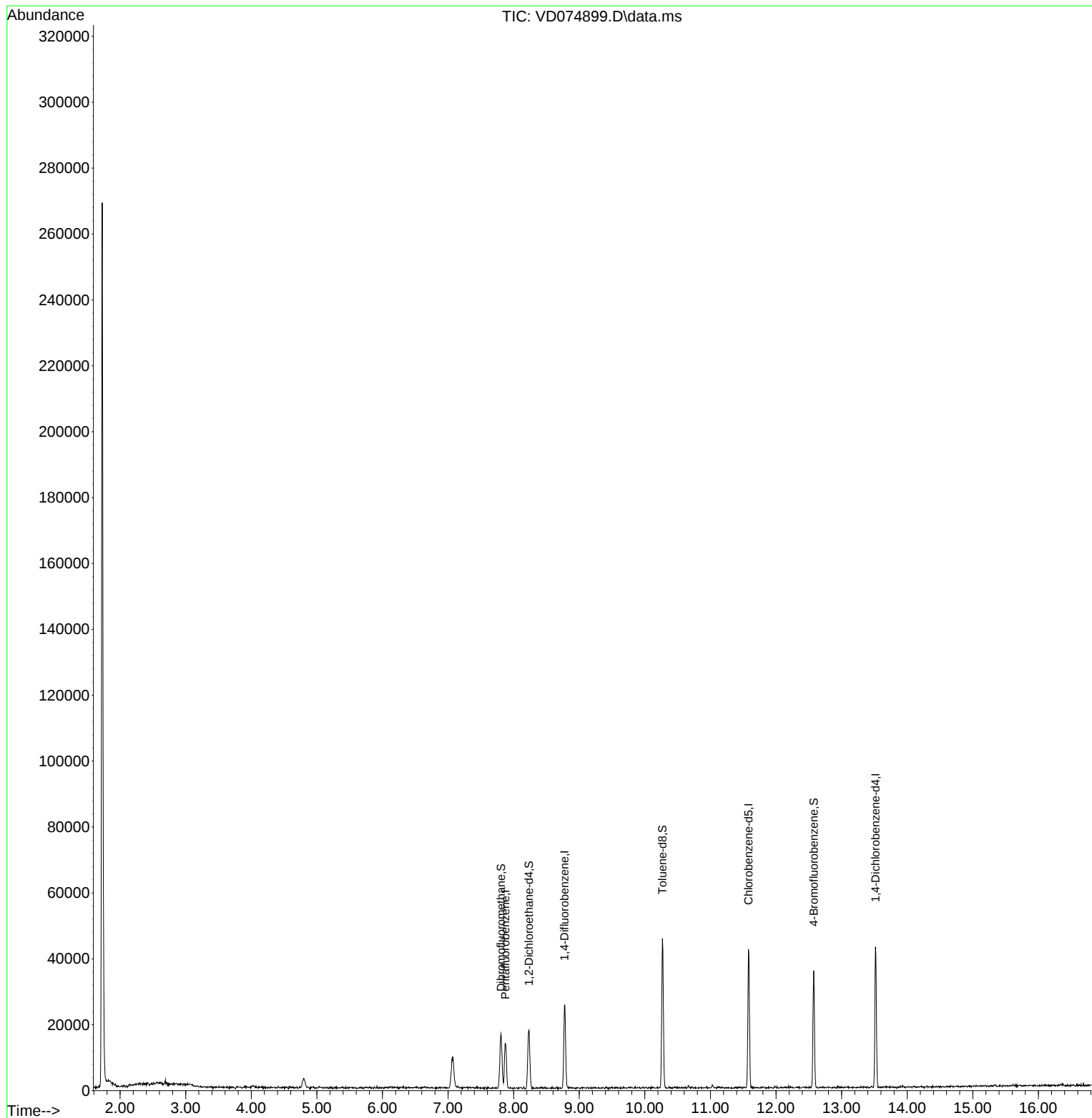
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

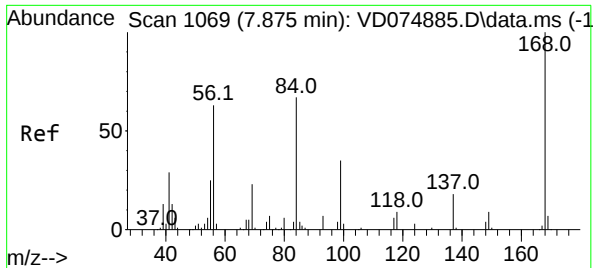
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 14 00:51:58 2022  
Response via : Initial Calibration

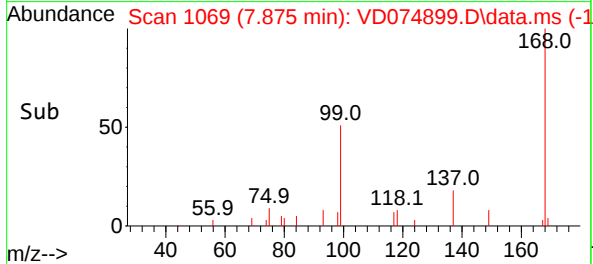
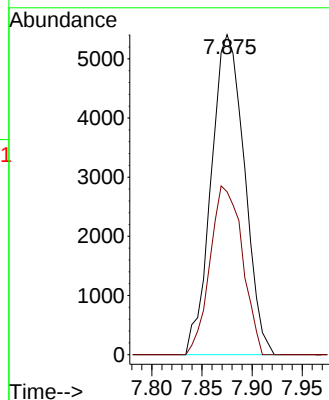
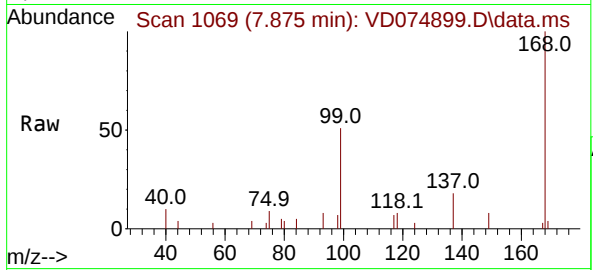




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD074899.D  
Acq: 11 Nov 2022 18:52

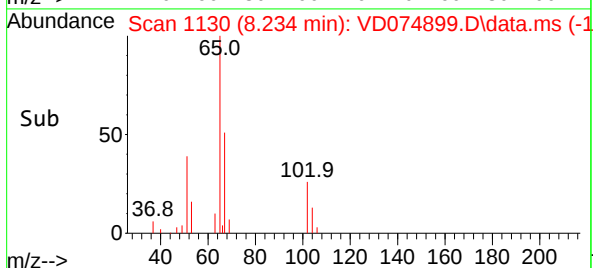
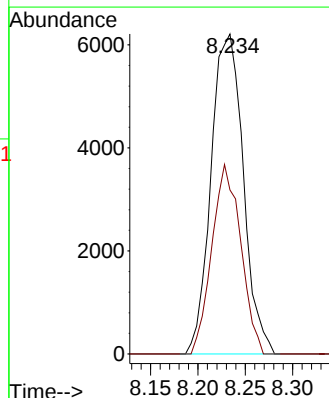
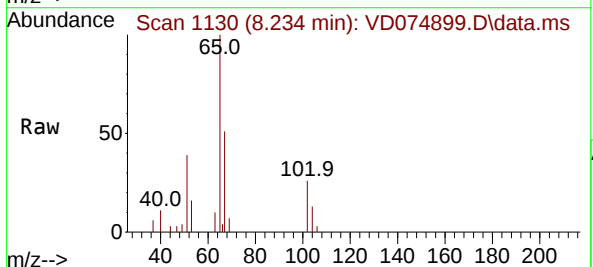
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUP03RE

Tgt Ion:168 Resp: 12451  
Ion Ratio Lower Upper  
168 100  
99 50.9 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 194.872 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD074899.D  
Acq: 11 Nov 2022 18:52

Tgt Ion: 65 Resp: 14702  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074899.D

Acq: 11 Nov 2022 18:52

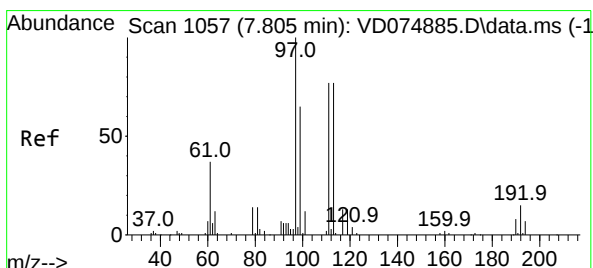
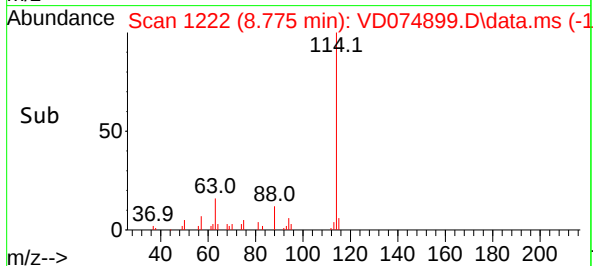
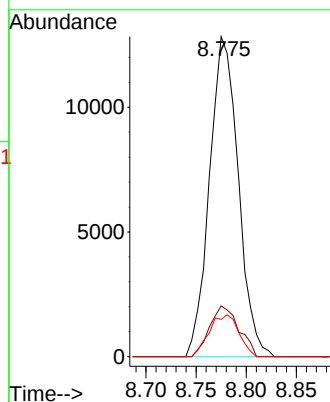
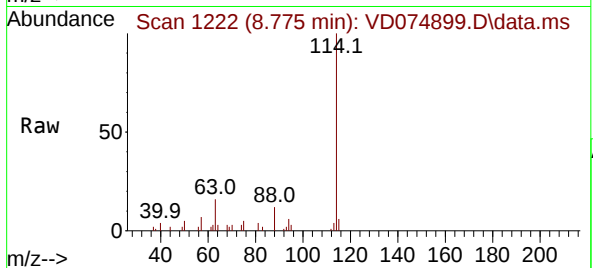
Instrument :

MSVOA\_D

ClientSampleId :

DUP03RE

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 25594       |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 15.9  | 0.0 33.2    |
| 88          | 11.6  | 0.0 28.2    |



#35

Dibromofluoromethane

Concen: 77.981 ug/l

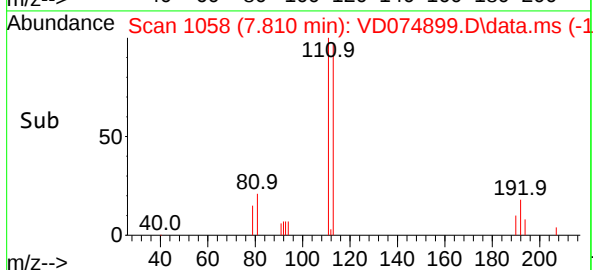
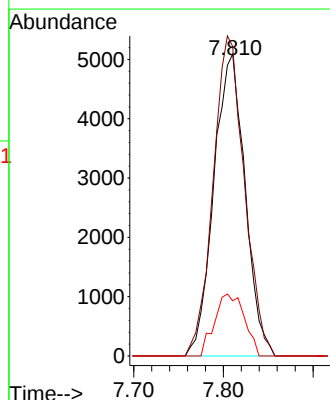
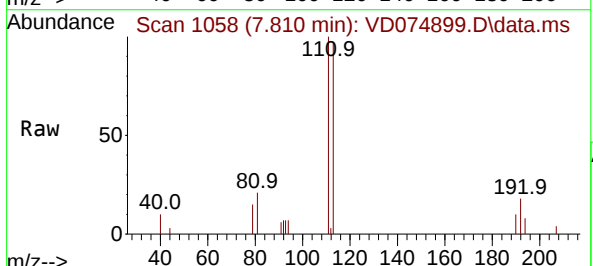
RT: 7.810 min Scan# 1058

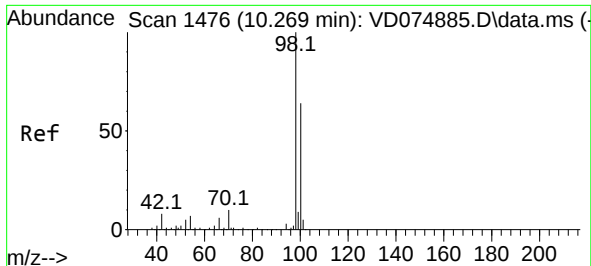
Delta R.T. 0.005 min

Lab File: VD074899.D

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|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 12303       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 105.4 | 82.3 123.5  |
| 192         | 19.6  | 16.4 24.6   |

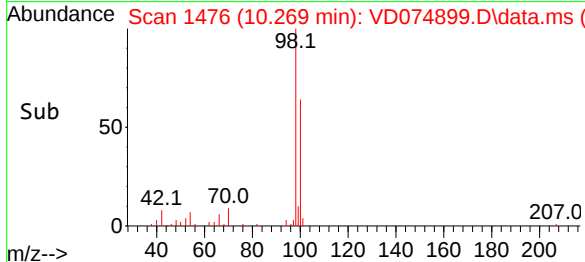
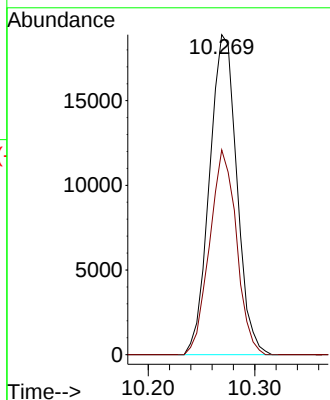
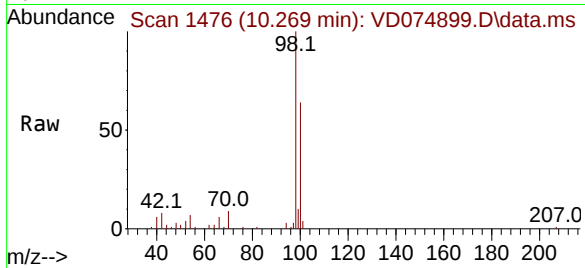




#50  
Toluene-d8  
Concen: 64.759 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074899.D  
Acq: 11 Nov 2022 18:52

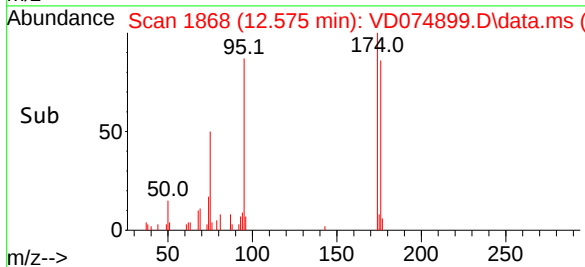
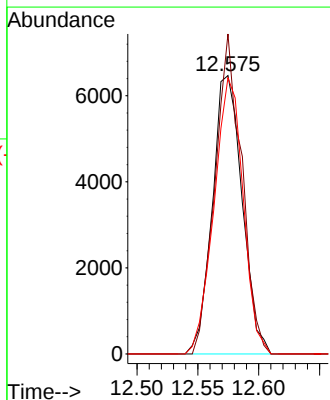
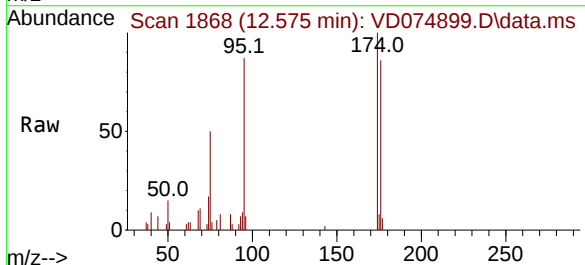
Instrument :  
MSVOA\_D  
ClientSampleId :  
DUP03RE

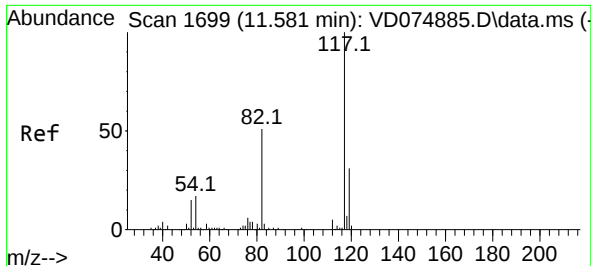
Tgt Ion: 98 Resp: 33655  
Ion Ratio Lower Upper  
98 100  
100 62.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 69.037 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD074899.D  
Acq: 11 Nov 2022 18:52

Tgt Ion: 95 Resp: 11017  
Ion Ratio Lower Upper  
95 100  
174 103.0 0.0 197.0  
176 96.8 0.0 182.6

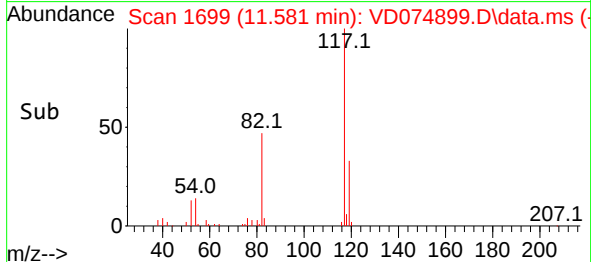
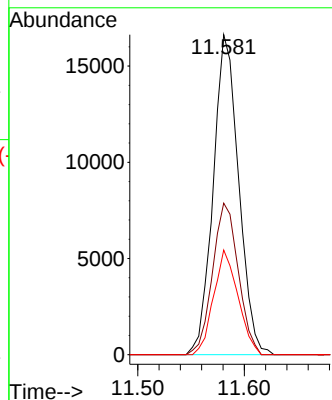
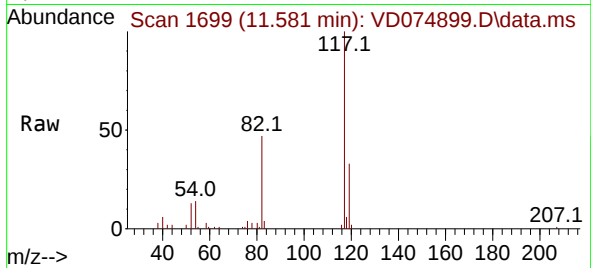




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD074899.D  
Acq: 11 Nov 2022 18:52

Instrument :  
MSVOA\_D  
ClientSampleId :  
DUP03RE

Tgt Ion:117 Resp: 27628  
Ion Ratio Lower Upper  
117 100  
82 47.4 41.6 62.4  
119 32.7 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD074899.D  
Acq: 11 Nov 2022 18:52

Tgt Ion:152 Resp: 13536  
Ion Ratio Lower Upper  
152 100  
115 52.0 26.8 80.4  
150 153.3 0.0 348.2

