

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111722\  
 Data File : VD074968.D  
 Acq On : 17 Nov 2022 14:34  
 Operator : VA/SY  
 Sample : N5642-05  
 Misc : 6.10G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RIGHT-SIDE-FLATS-25

Quant Time: Nov 17 22:35:56 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      | 7.881  | 168  | 141188   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 252221   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.586 | 117  | 236273   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.521 | 152  | 103985   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 68305    | 75.875   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 151.740% |
| 35) Dibromofluoromethane    | 7.810  | 113   | 82554    | 53.097   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.200% |
| 50) Toluene-d8              | 10.269 | 98    | 297787   | 58.145   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 116.280% |
| 62) 4-Bromofluorobenzene    | 12.574 | 95    | 86591    | 55.061   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 110.120% |

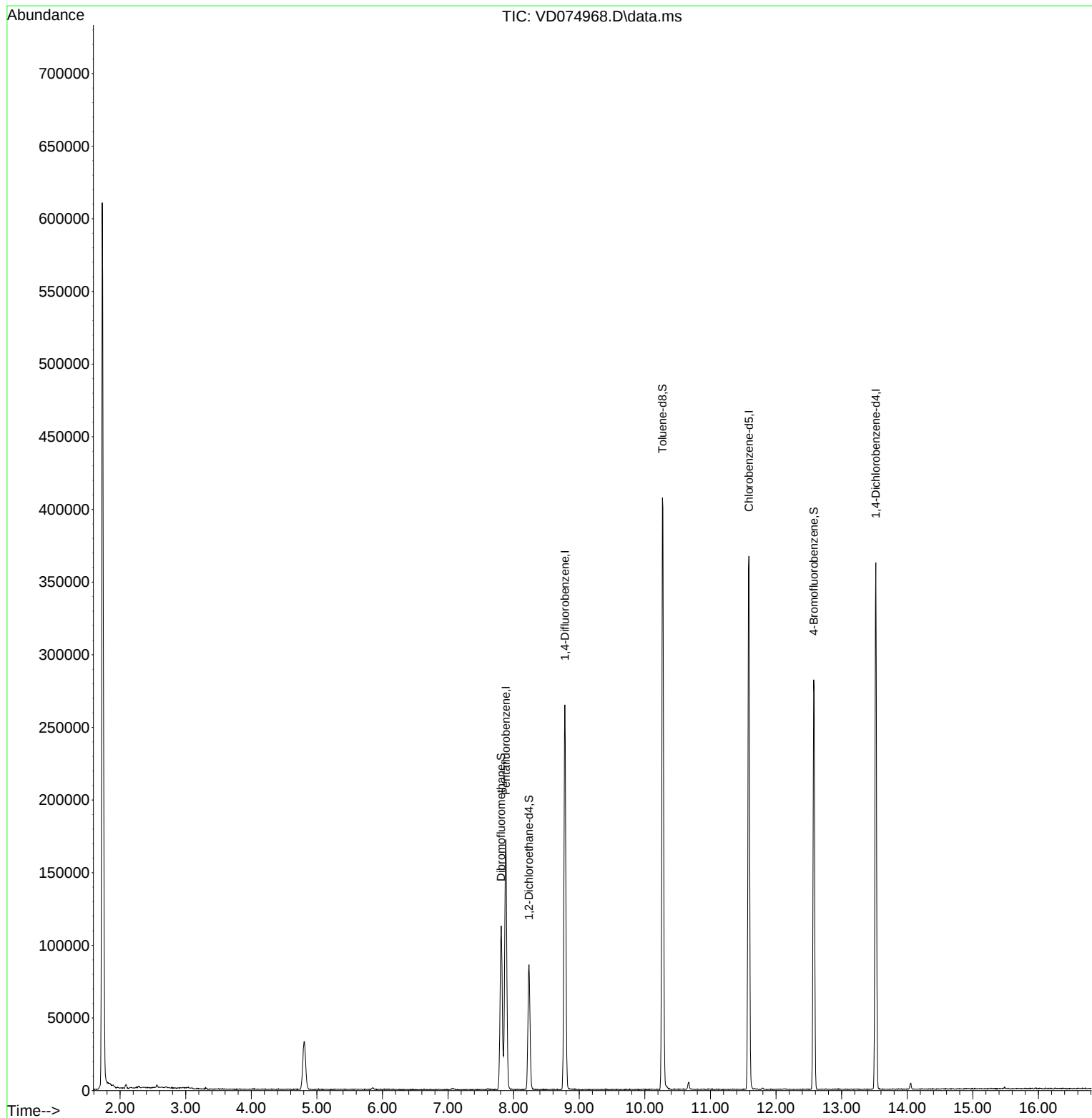
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

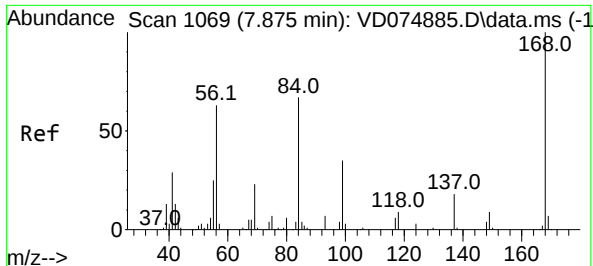
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

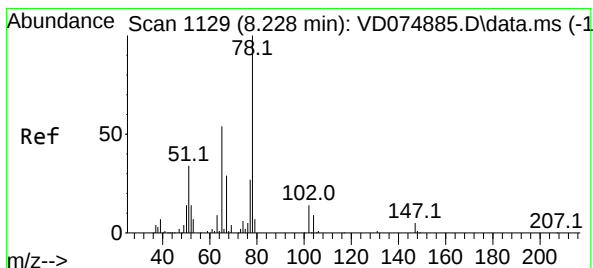
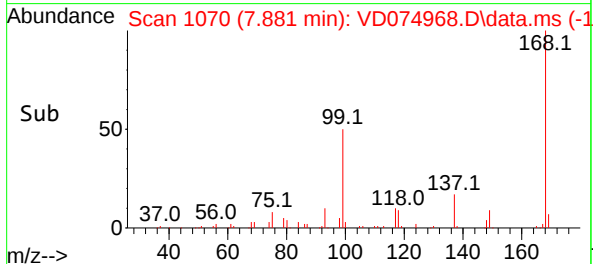
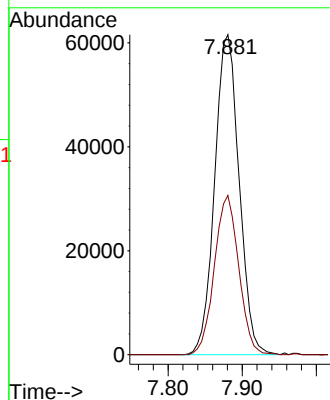
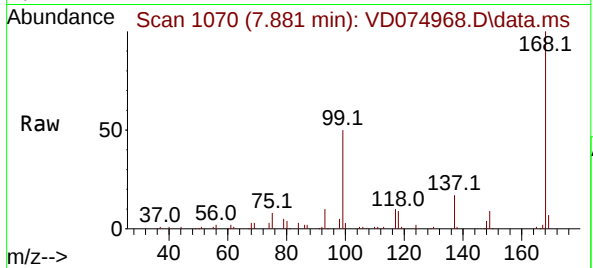




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 110  
Delta R.T. 0.006 min  
Lab File: VD074968.D  
Acq: 17 Nov 2022 14:34

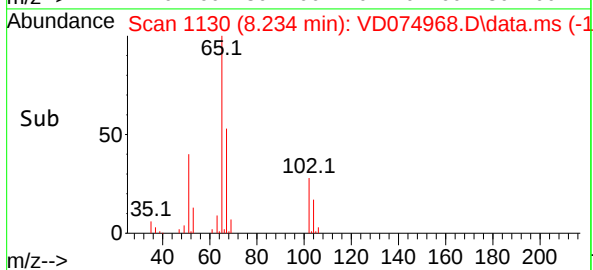
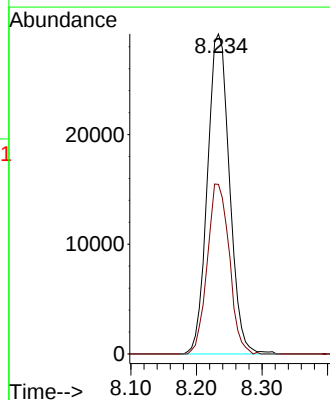
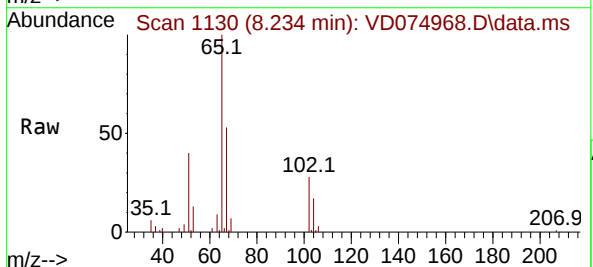
Instrument :  
MSVOA\_D  
ClientSampleId :  
RIGHT-SIDE-FLATS-25

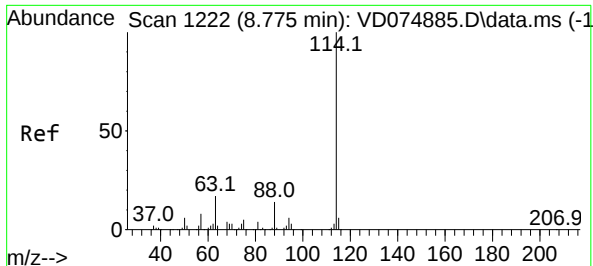
Tgt Ion:168 Resp: 141188  
Ion Ratio Lower Upper  
168 100  
99 49.8 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 75.875 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD074968.D  
Acq: 17 Nov 2022 14:34

Tgt Ion: 65 Resp: 68305  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074968.D

Acq: 17 Nov 2022 14:34

Instrument :

MSVOA\_D

ClientSampleId :

RIGHT-SIDE-FLATS-25

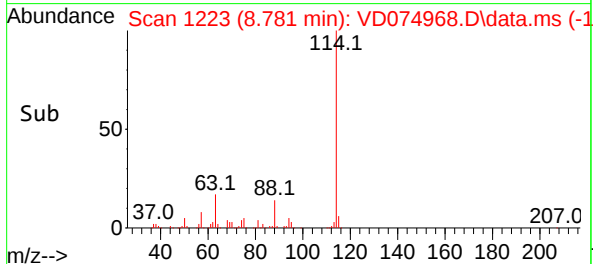
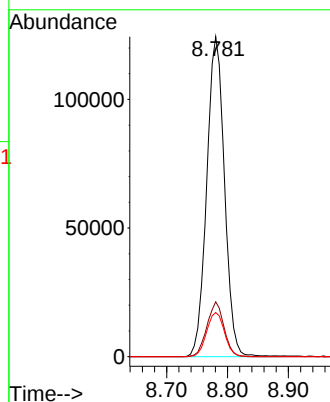
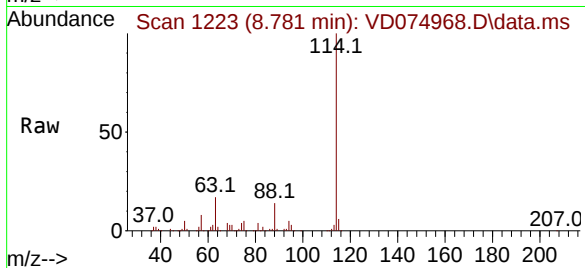
Tgt Ion:114 Resp: 252221

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.2

88 13.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 53.097 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074968.D

Acq: 17 Nov 2022 14:34

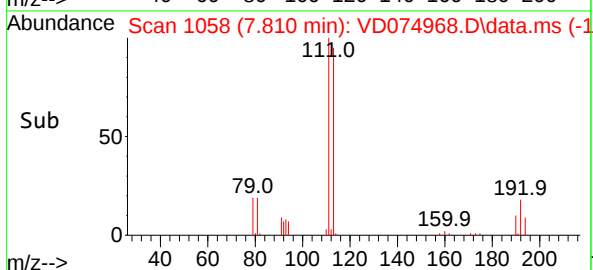
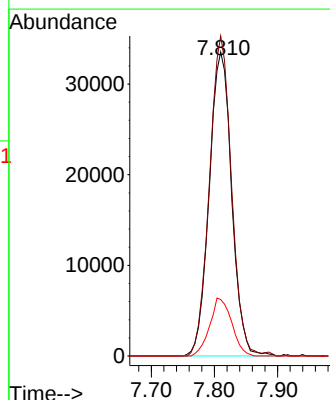
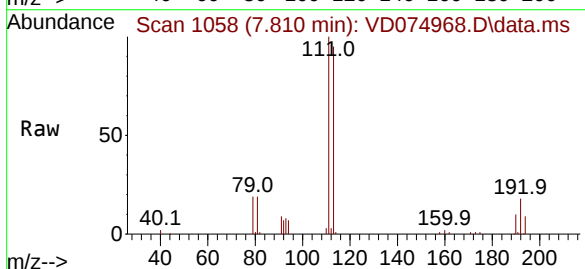
Tgt Ion:113 Resp: 82554

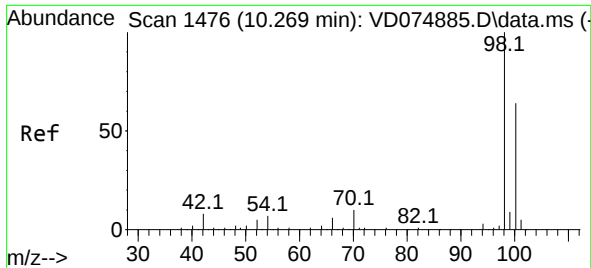
Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

192 18.7 16.4 24.6

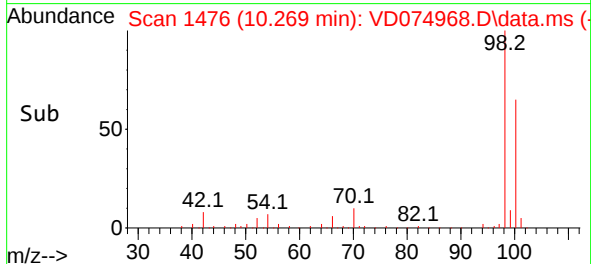
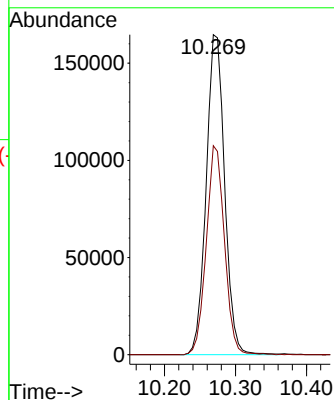
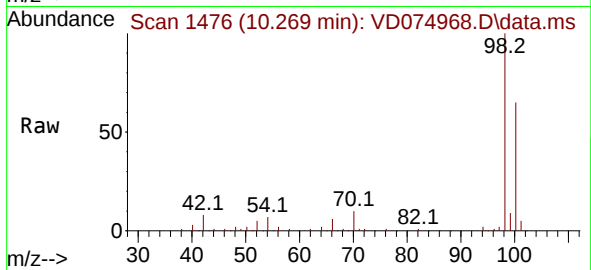




#50  
Toluene-d8  
Concen: 58.145 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD074968.D  
Acq: 17 Nov 2022 14:34

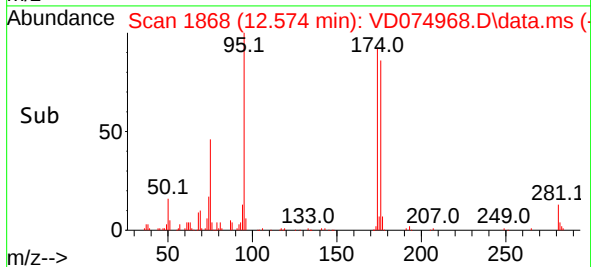
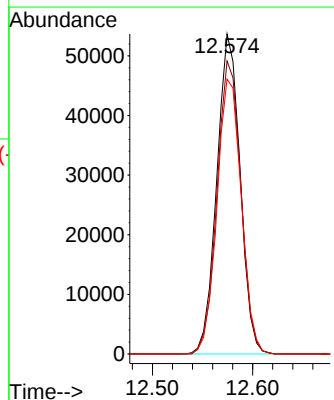
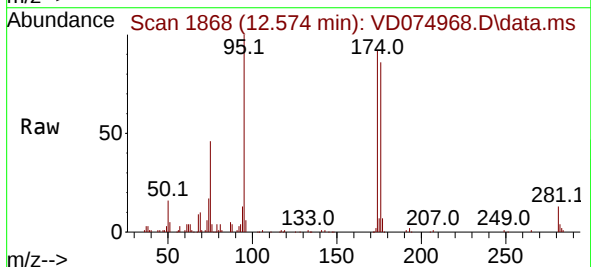
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Tgt Ion: 98 Resp: 297787  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 55.061 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. -0.001 min  
Lab File: VD074968.D  
Acq: 17 Nov 2022 14:34

Tgt Ion: 95 Resp: 86591  
Ion Ratio Lower Upper  
95 100  
174 93.8 0.0 197.0  
176 90.0 0.0 182.6

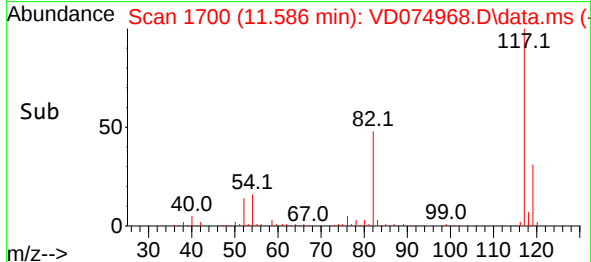
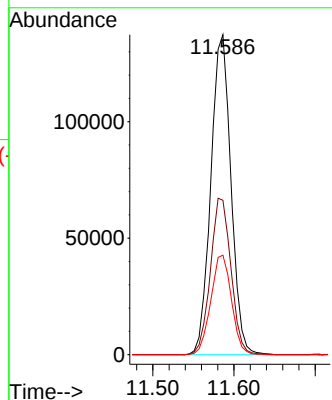
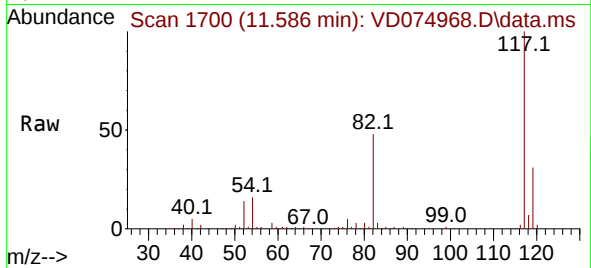




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.586 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VD074968.D  
Acq: 17 Nov 2022 14:34

Instrument :  
MSVOA\_D  
ClientSampleId :  
RIGHT-SIDE-FLATS-25

Tgt Ion:117 Resp: 236273  
Ion Ratio Lower Upper  
117 100  
82 48.2 41.6 62.4  
119 31.1 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.521 min Scan# 2029  
Delta R.T. 0.005 min  
Lab File: VD074968.D  
Acq: 17 Nov 2022 14:34

Tgt Ion:152 Resp: 103985  
Ion Ratio Lower Upper  
152 100  
115 56.0 26.8 80.4  
150 156.9 0.0 348.2

