

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111122\  
 Data File : VD074893.D  
 Acq On : 11 Nov 2022 16:05  
 Operator : VA/SY  
 Sample : N5531-08  
 Misc : 5.08G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-33

Quant Time: Nov 14 00:56:20 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  | 28564    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 50454    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.580 | 117  | 56080    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 25844    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.233  | 65    | 26218    | 149.985  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 299.960%# |
| 35) Dibromofluoromethane    | 7.810  | 113   | 25776    | 82.877   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 165.760%# |
| 50) Toluene-d8              | 10.275 | 98    | 65299    | 63.738   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 127.480%  |
| 62) 4-Bromofluorobenzene    | 12.574 | 95    | 21238    | 67.511   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 135.020%  |

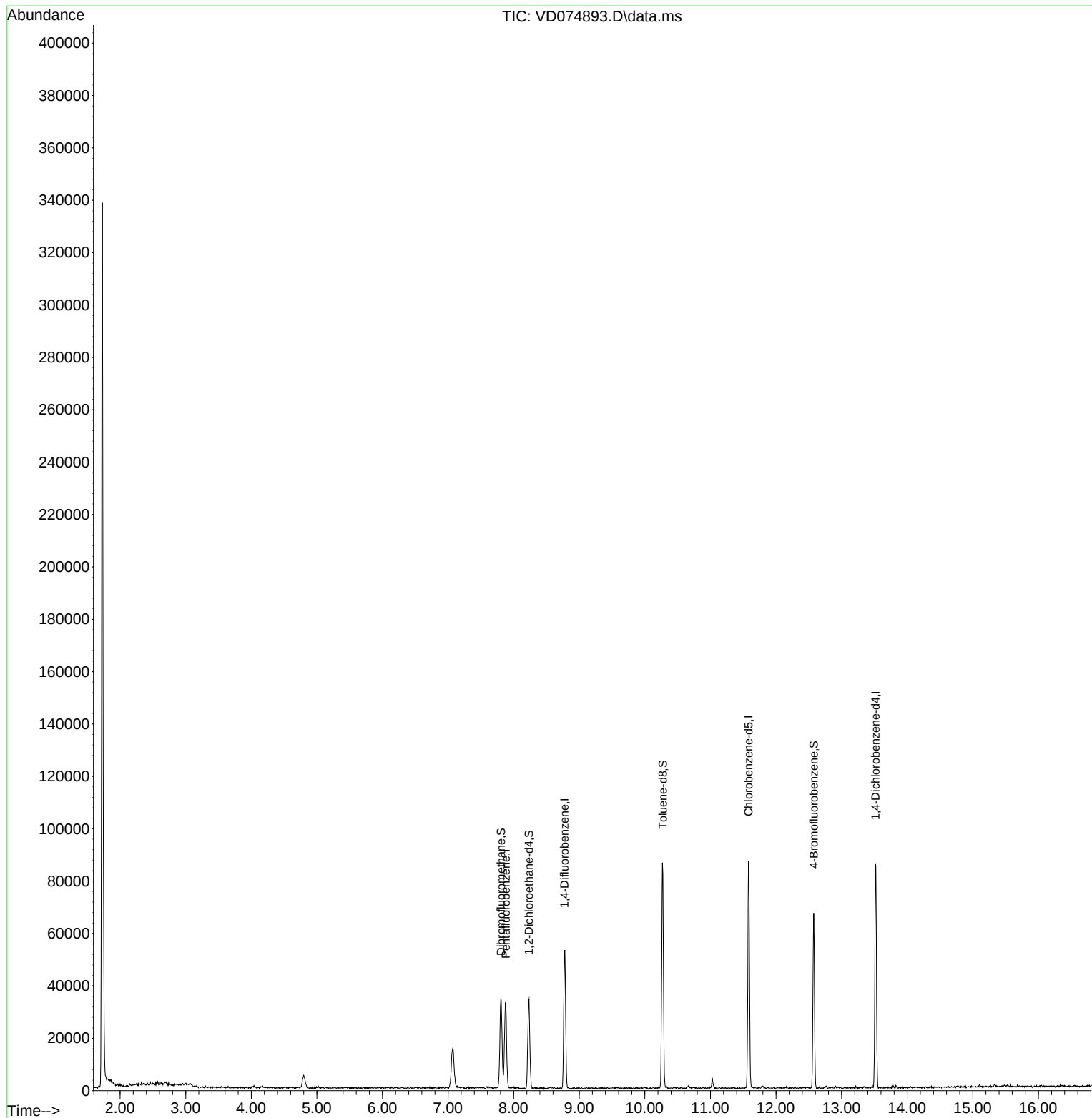
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

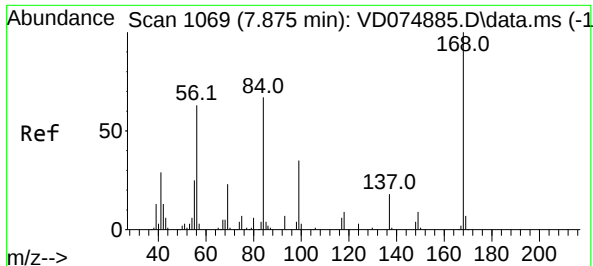
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-33

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Quant Title : SW846 8260  
QLast Update : Mon Nov 14 00:51:58 2022  
Response via : Initial Calibration

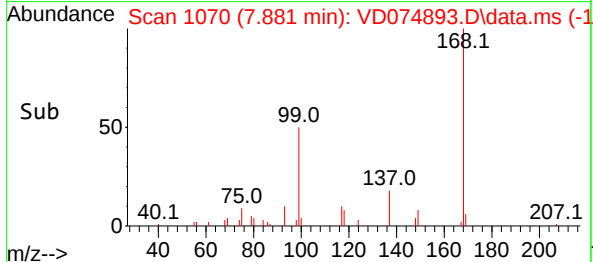
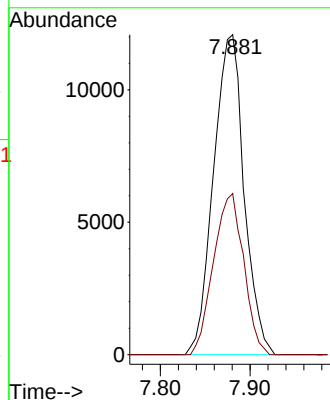
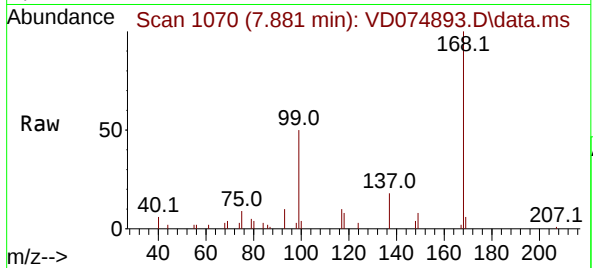




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 110  
Delta R.T. 0.006 min  
Lab File: VD074893.D  
Acq: 11 Nov 2022 16:05

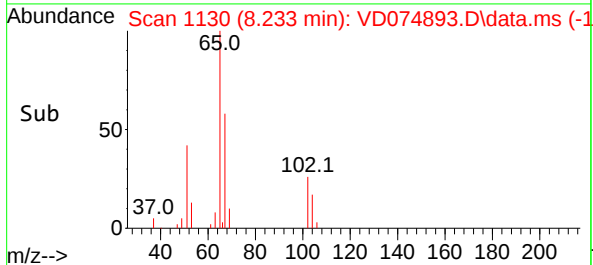
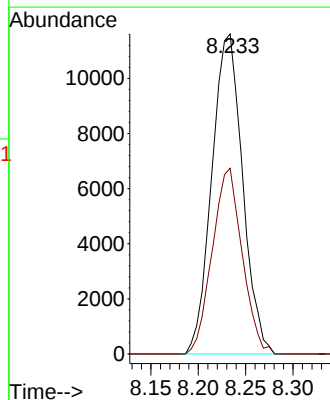
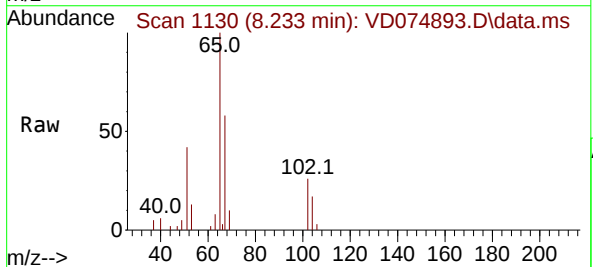
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-33

Tgt Ion:168 Resp: 28564  
Ion Ratio Lower Upper  
168 100  
99 50.3 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 149.985 ug/l  
RT: 8.233 min Scan# 1130  
Delta R.T. 0.005 min  
Lab File: VD074893.D  
Acq: 11 Nov 2022 16:05

Tgt Ion: 65 Resp: 26218  
Ion Ratio Lower Upper  
65 100  
67 56.5 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD074893.D

Acq: 11 Nov 2022 16:05

Instrument :

MSVOA\_D

ClientSampleId :

SB-33

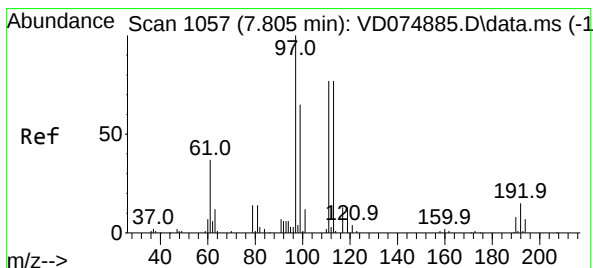
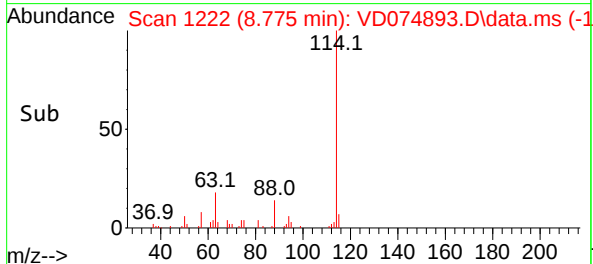
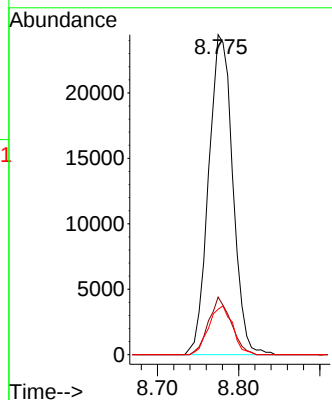
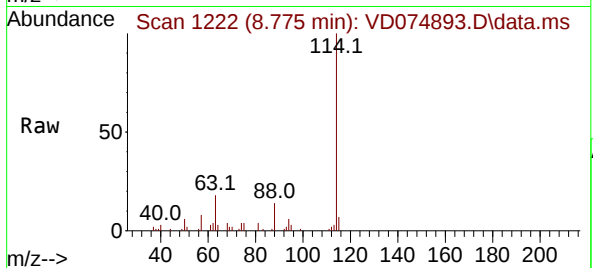
Tgt Ion:114 Resp: 50454

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.2

88 14.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 82.877 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074893.D

Acq: 11 Nov 2022 16:05

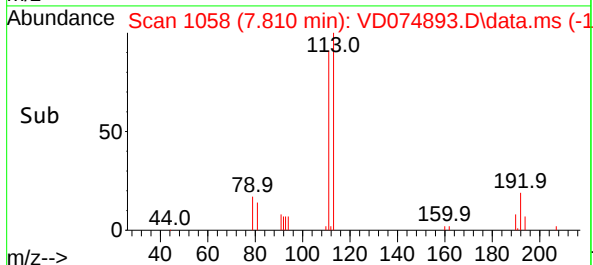
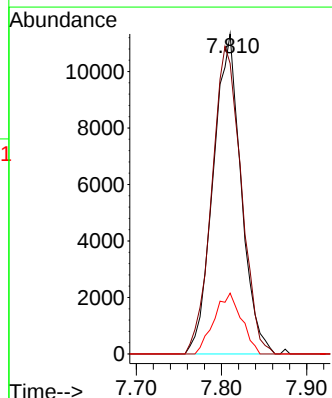
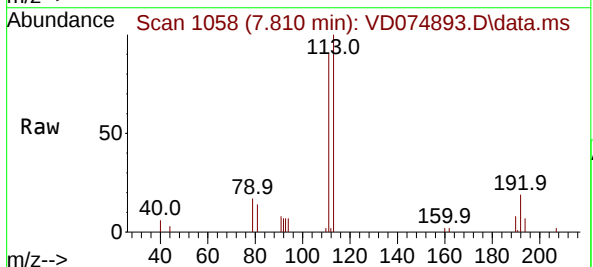
Tgt Ion:113 Resp: 25776

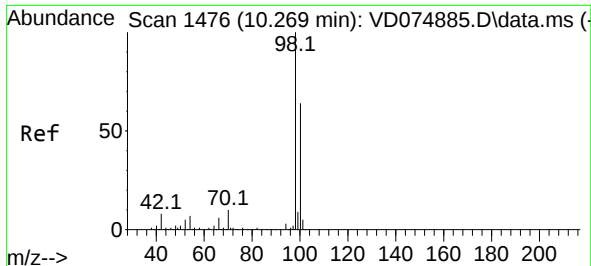
Ion Ratio Lower Upper

113 100

111 101.1 82.3 123.5

192 18.7 16.4 24.6

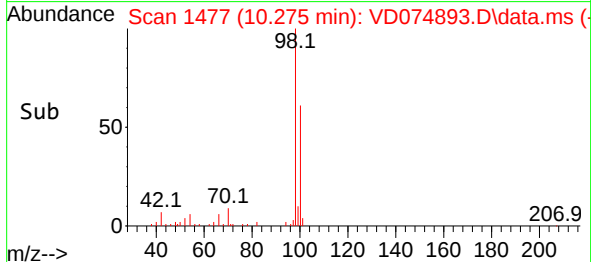
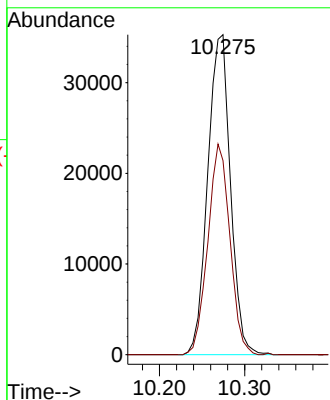
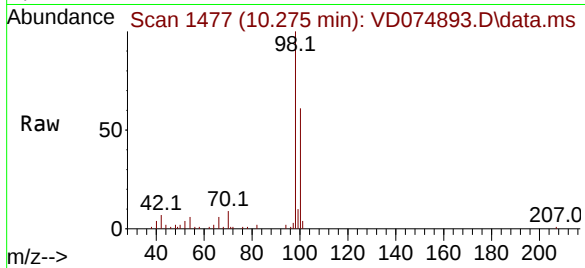




#50  
Toluene-d8  
Concen: 63.738 ug/l  
RT: 10.275 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD074893.D  
Acq: 11 Nov 2022 16:05

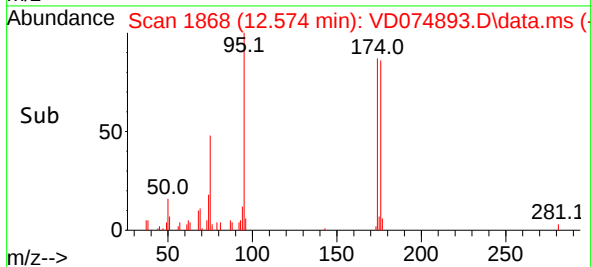
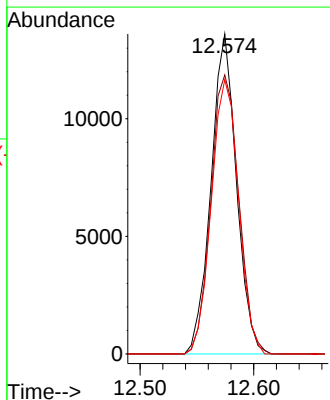
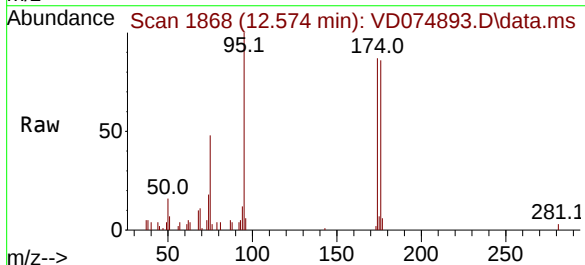
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-33

Tgt Ion: 98 Resp: 65299  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 67.511 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. -0.001 min  
Lab File: VD074893.D  
Acq: 11 Nov 2022 16:05

Tgt Ion: 95 Resp: 21238  
Ion Ratio Lower Upper  
95 100  
174 95.3 0.0 197.0  
176 91.5 0.0 182.6

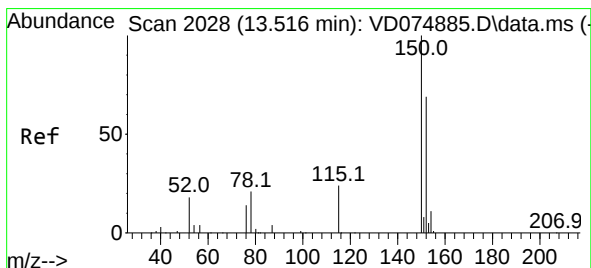
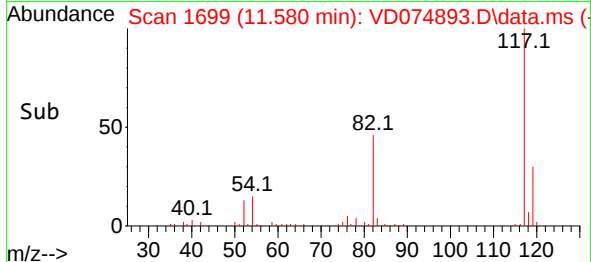
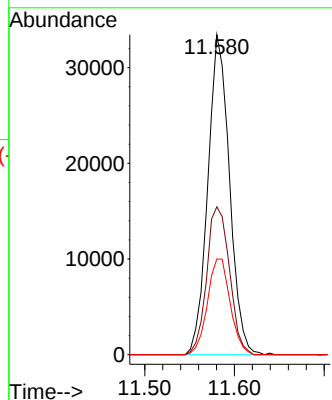
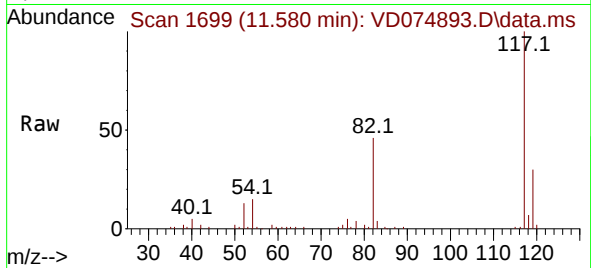




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: VD074893.D  
Acq: 11 Nov 2022 16:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-33

Tgt Ion:117 Resp: 56080  
Ion Ratio Lower Upper  
117 100  
82 46.2 41.6 62.4  
119 29.9 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: VD074893.D  
Acq: 11 Nov 2022 16:05

Tgt Ion:152 Resp: 25844  
Ion Ratio Lower Upper  
152 100  
115 52.7 26.8 80.4  
150 155.2 0.0 348.2

