

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101722\  
 Data File : VD074550.D  
 Acq On : 17 Oct 2022 17:47  
 Operator : VA/SY  
 Sample : N5140-07  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-04-3.5-4.0

Quant Time: Oct 17 23:09:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 12 13:14:00 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.869  | 168  | 3550     | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 6997     | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.580 | 117  | 6155     | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 3069     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 3328     | 108.912  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 217.820%# |
| 35) Dibromofluoromethane    | 7.810  | 113   | 2588     | 62.068   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 124.140%  |
| 50) Toluene-d8              | 10.263 | 98    | 7966     | 49.741   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.480%   |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 2627     | 53.813   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 107.620%  |

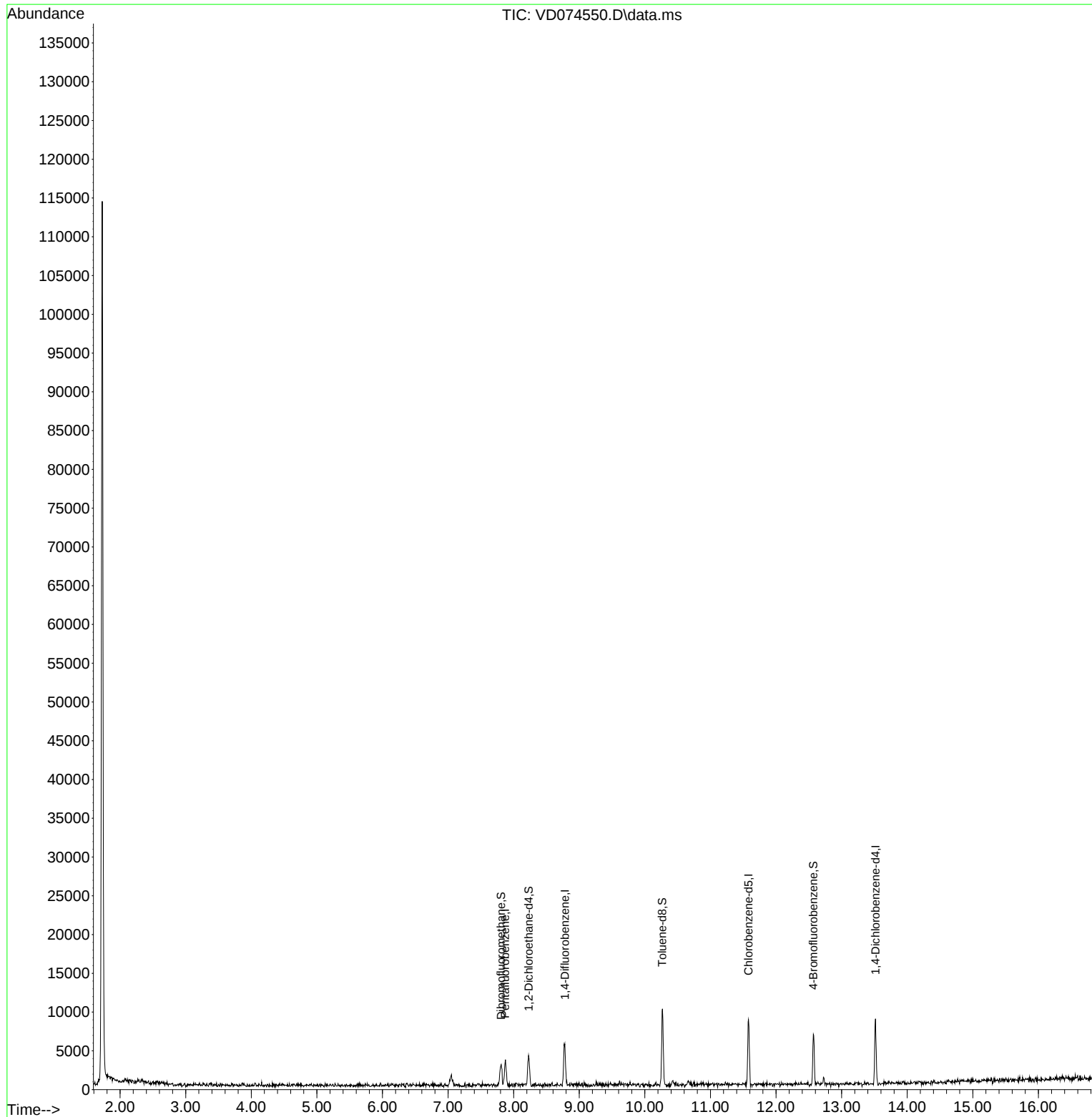
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

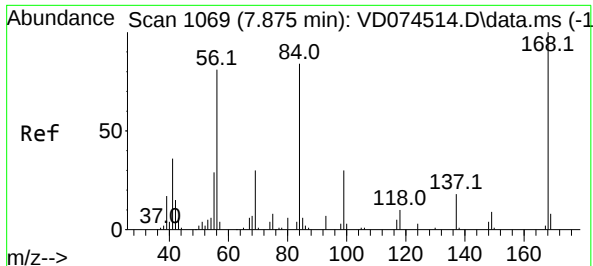
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-04-3.5-4.0

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Quant Title : SW846 8260  
QLast Update : Wed Oct 12 13:14:00 2022  
Response via : Initial Calibration

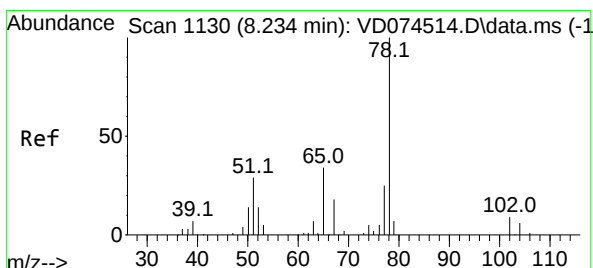
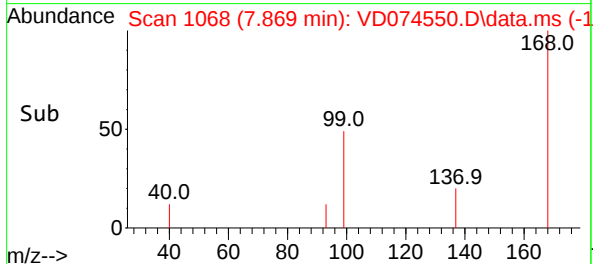
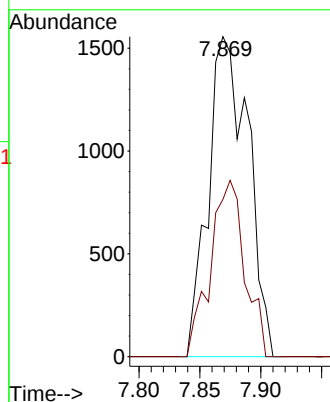
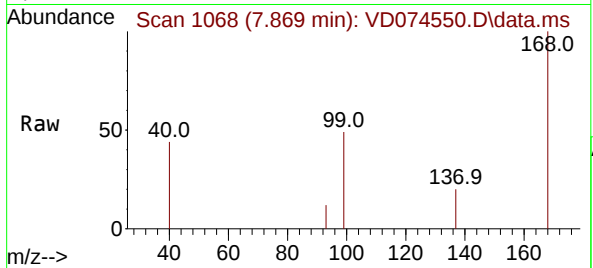




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.869 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: VD074550.D  
Acq: 17 Oct 2022 17:47

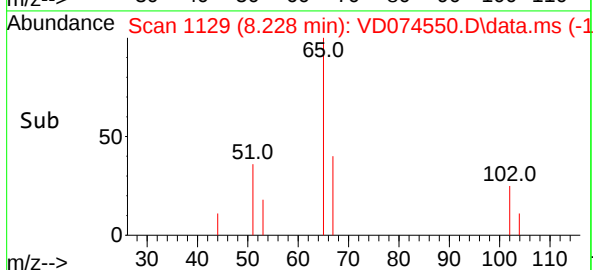
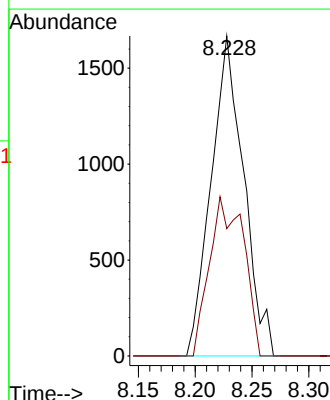
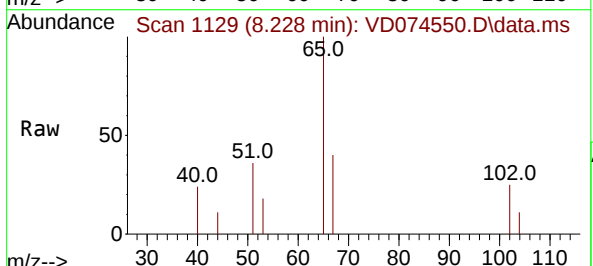
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-04-3.5-4.0

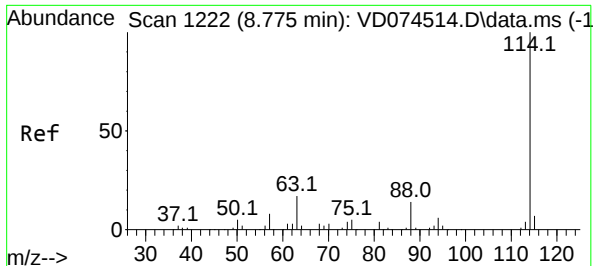
Tgt Ion:168 Resp: 3550  
Ion Ratio Lower Upper  
168 100  
99 49.2 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 108.912 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD074550.D  
Acq: 17 Oct 2022 17:47

Tgt Ion: 65 Resp: 3328  
Ion Ratio Lower Upper  
65 100  
67 52.3 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: VD074550.D

Acq: 17 Oct 2022 17:47

Instrument :

MSVOA\_D

ClientSampleId :

SB-04-3.5-4.0

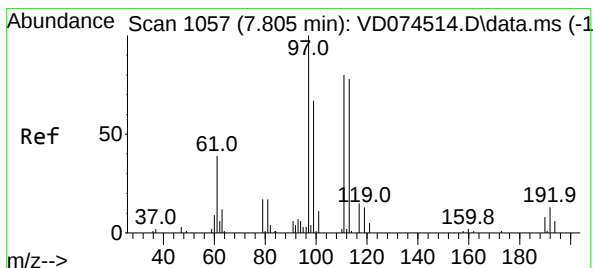
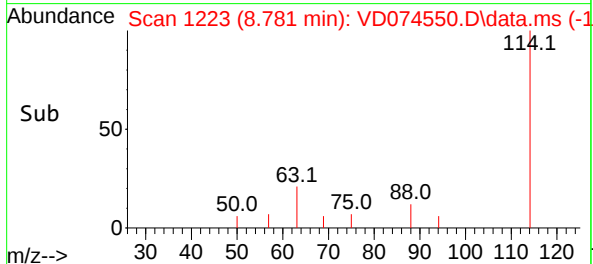
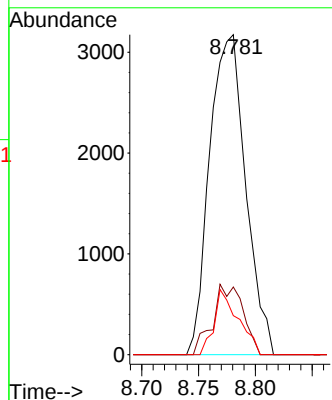
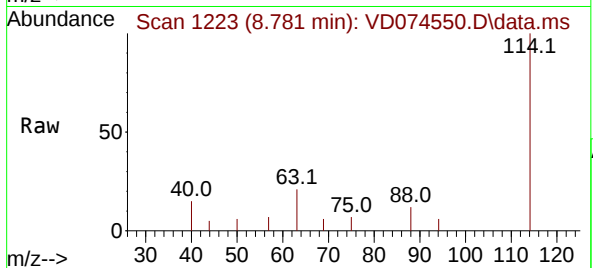
Tgt Ion:114 Resp: 6997

Ion Ratio Lower Upper

114 100

63 21.2 0.0 33.2

88 12.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 62.068 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074550.D

Acq: 17 Oct 2022 17:47

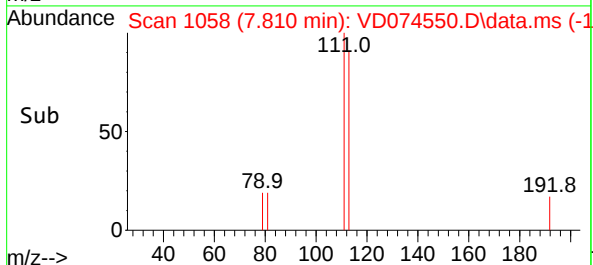
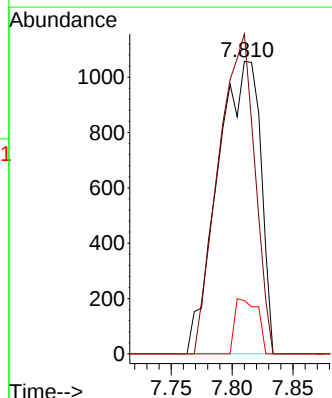
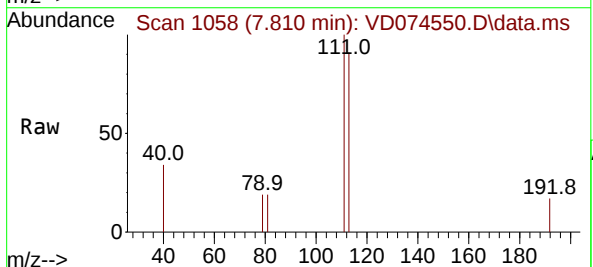
Tgt Ion:113 Resp: 2588

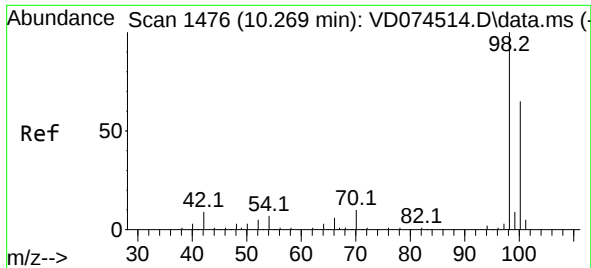
Ion Ratio Lower Upper

113 100

111 92.3 82.3 123.5

192 10.0 16.4 24.6#

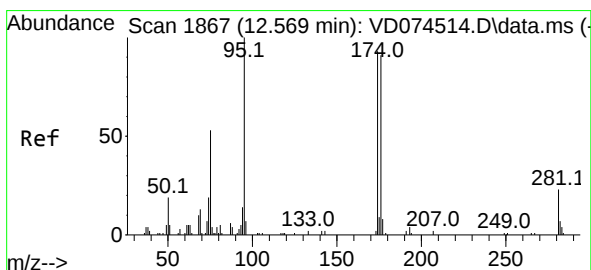
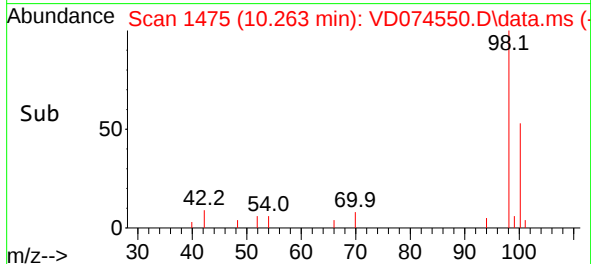
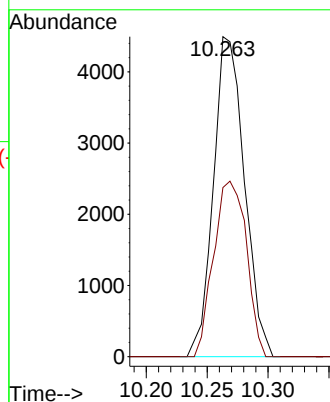
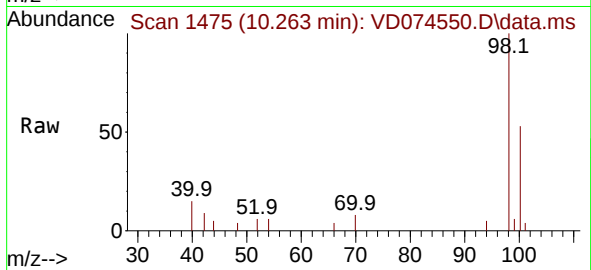




#50  
Toluene-d8  
Concen: 49.741 ug/l  
RT: 10.263 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VD074550.D  
Acq: 17 Oct 2022 17:47

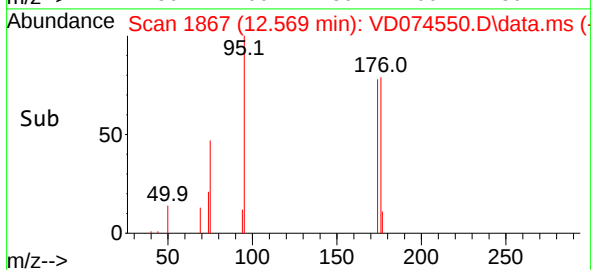
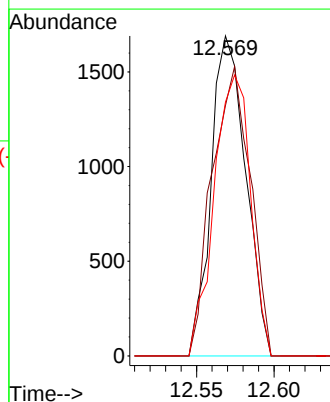
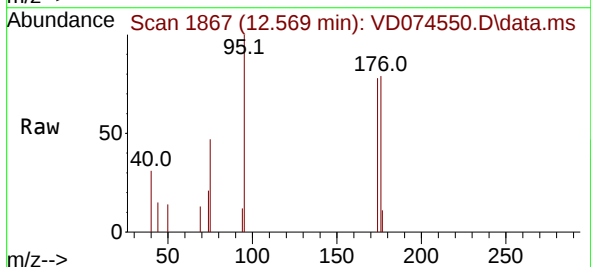
Instrument :  
MSVOA\_D  
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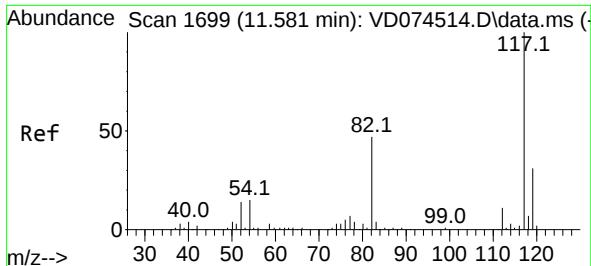
Tgt Ion: 98 Resp: 7966  
Ion Ratio Lower Upper  
98 100  
100 57.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 53.813 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD074550.D  
Acq: 17 Oct 2022 17:47

Tgt Ion: 95 Resp: 2627  
Ion Ratio Lower Upper  
95 100  
174 99.6 0.0 197.0  
176 92.0 0.0 182.6

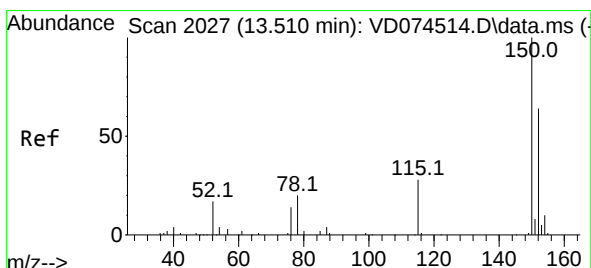
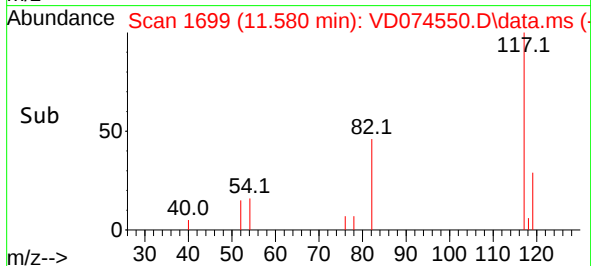
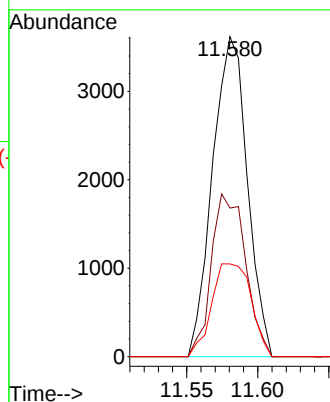
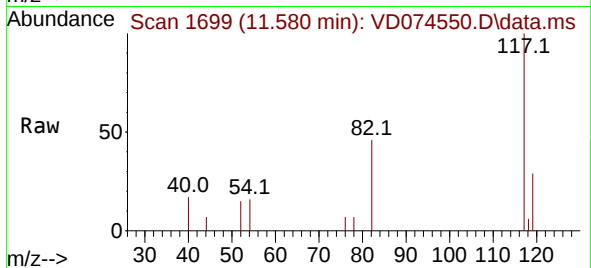




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VD074550.D  
Acq: 17 Oct 2022 17:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-04-3.5-4.0

Tgt Ion:117 Resp: 6155  
Ion Ratio Lower Upper  
117 100  
82 46.4 41.6 62.4  
119 29.0 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD074550.D  
Acq: 17 Oct 2022 17:47

Tgt Ion:152 Resp: 3069  
Ion Ratio Lower Upper  
152 100  
115 49.0 26.8 80.4  
150 153.5 0.0 348.2

