

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032724\  
 Data File : VD078756.D  
 Acq On : 27 Mar 2024 17:06  
 Operator : RP/MD  
 Sample : P1879-01  
 Misc : 4.42/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EB-01(0-2)

Quant Time: Mar 28 05:11:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 152826   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 285130   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 247622   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 92754    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 65221    | 45.538   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.080%  |
| 35) Dibromofluoromethane    | 7.810  | 113   | 86470    | 47.102   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.200%  |
| 50) Toluene-d8              | 10.269 | 98    | 343200   | 50.833   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.660% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 80516    | 40.764   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.520%  |

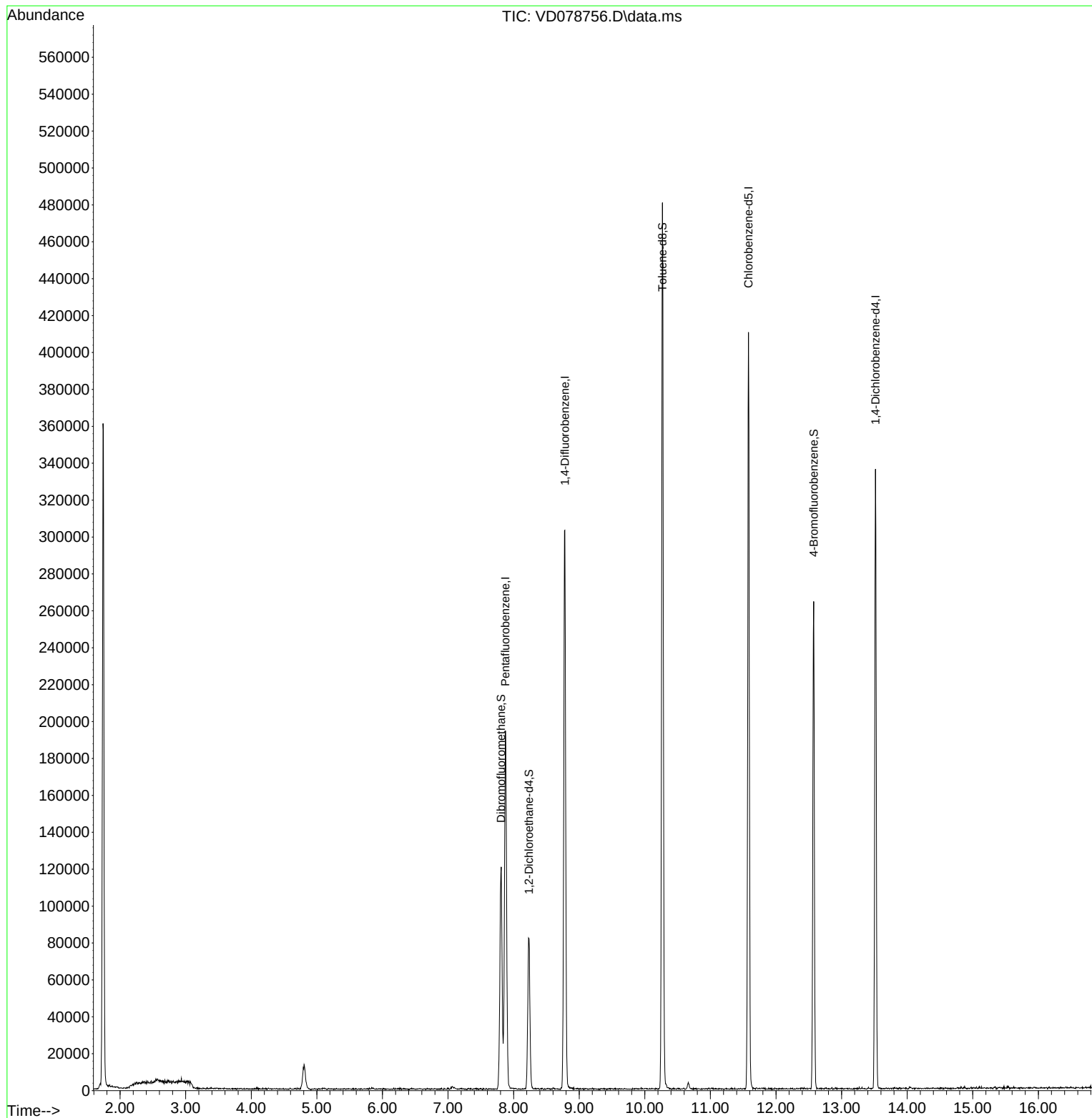
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

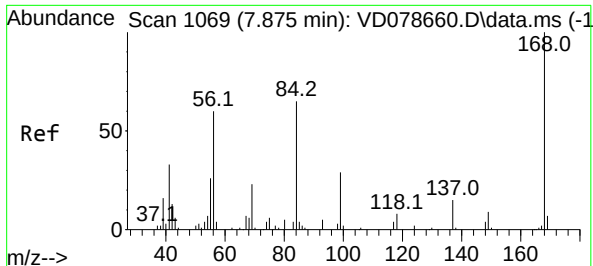
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 15 05:38:03 2024  
Response via : Initial Calibration

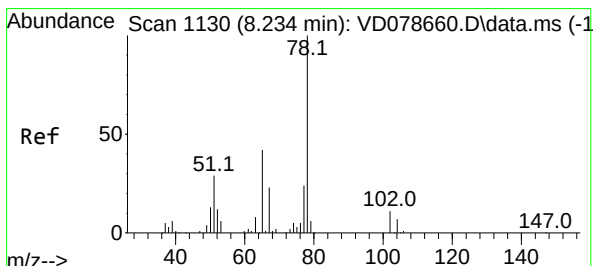
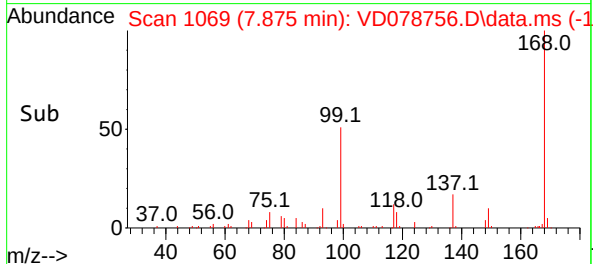
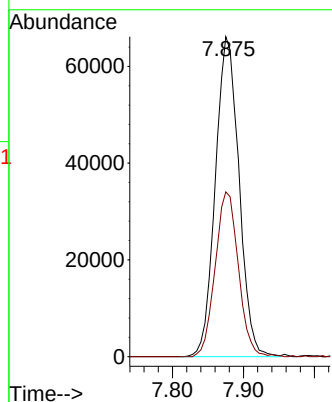
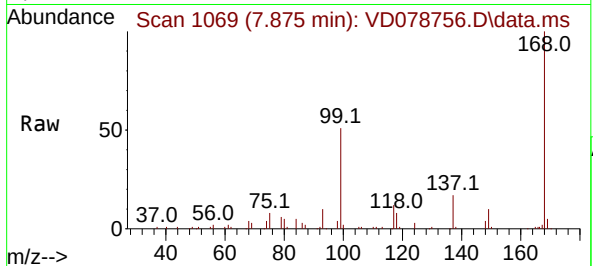




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD078756.D  
Acq: 27 Mar 2024 17:06

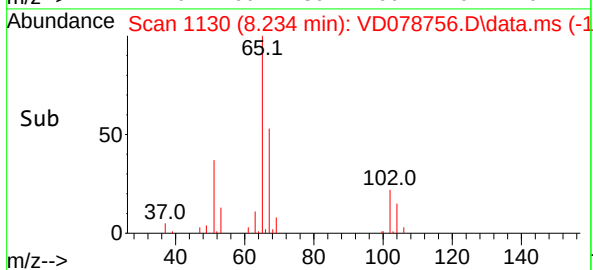
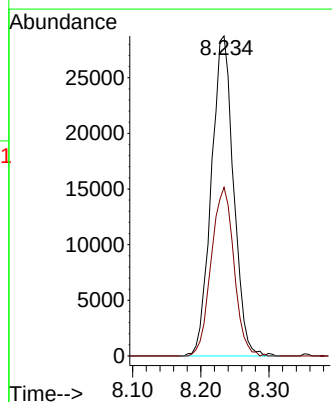
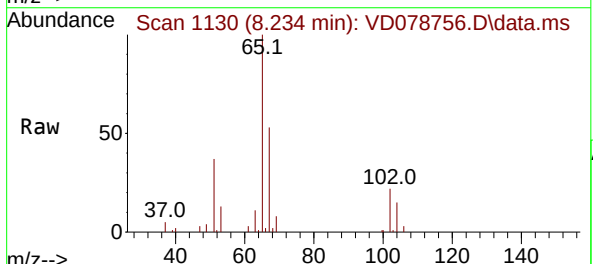
Instrument :  
MSVOA\_D  
ClientSampleId :  
EB-01(0-2)

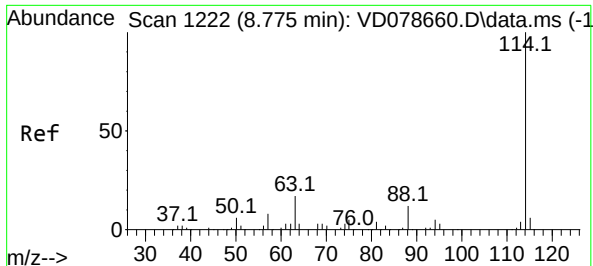
Tgt Ion:168 Resp: 152826  
Ion Ratio Lower Upper  
168 100  
99 51.5 38.8 58.2



#33  
1,2-Dichloroethane-d4  
Concen: 45.538 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD078756.D  
Acq: 27 Mar 2024 17:06

Tgt Ion: 65 Resp: 65221  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 110.2

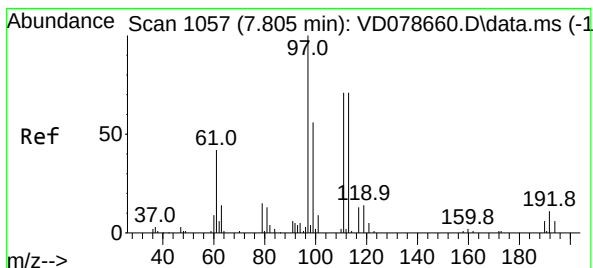
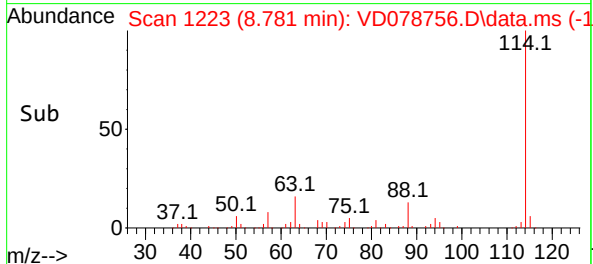
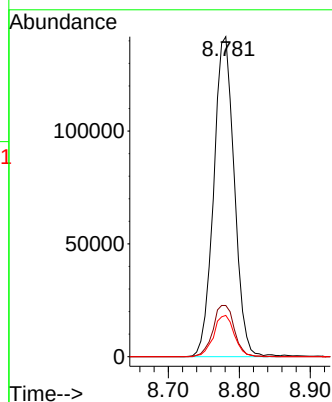
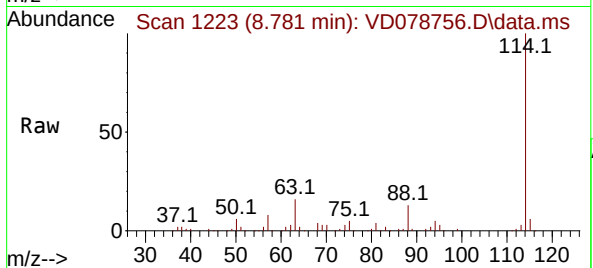




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.781 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD078756.D  
Acq: 27 Mar 2024 17:06

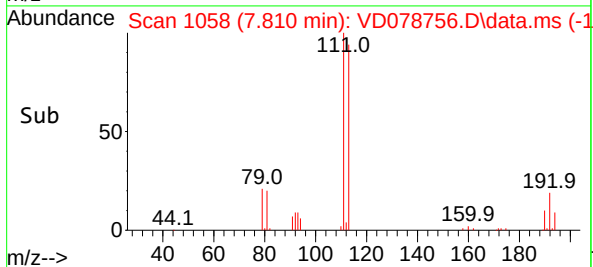
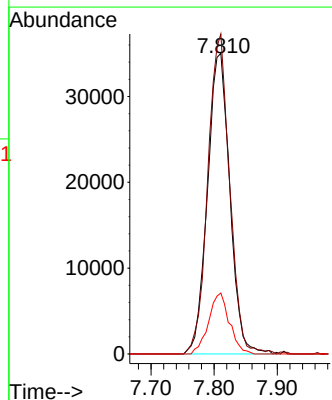
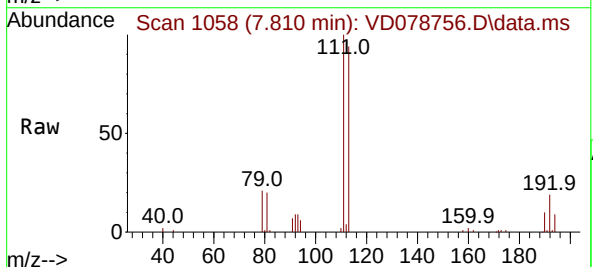
Instrument :  
MSVOA\_D  
ClientSampleId :  
EB-01(0-2)

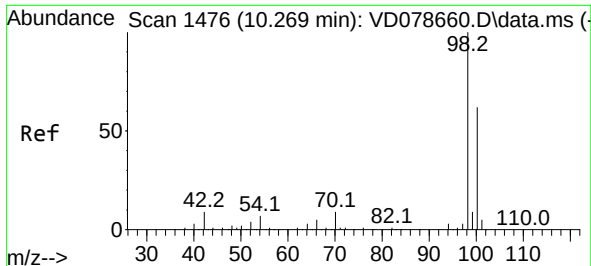
Tgt Ion:114 Resp: 285130  
Ion Ratio Lower Upper  
114 100  
63 16.0 0.0 33.4  
88 12.9 0.0 24.6



#35  
Dibromofluoromethane  
Concen: 47.102 ug/l  
RT: 7.810 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VD078756.D  
Acq: 27 Mar 2024 17:06

Tgt Ion:113 Resp: 86470  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.9 122.9  
192 18.8 15.4 23.0

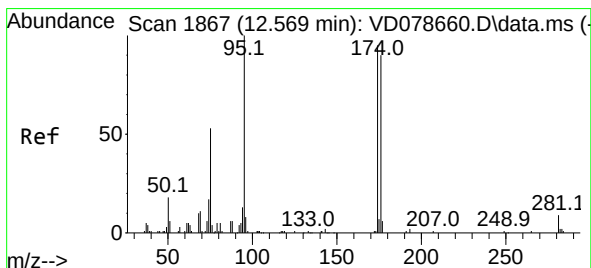
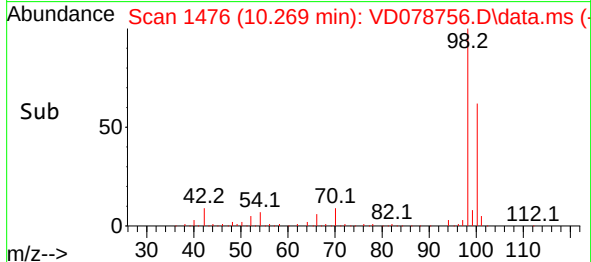
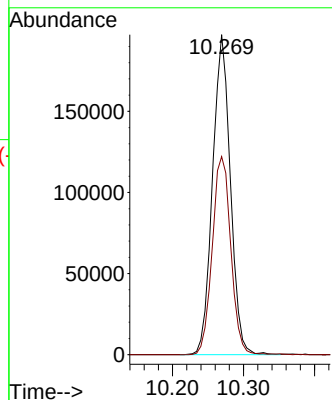
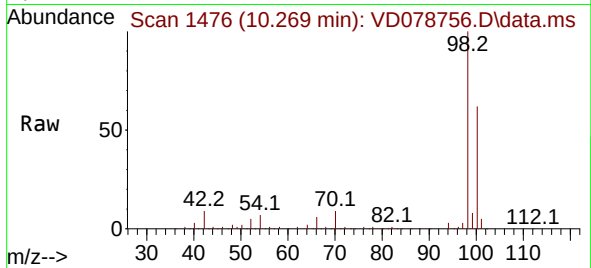




#50  
Toluene-d8  
Concen: 50.833 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078756.D  
Acq: 27 Mar 2024 17:06

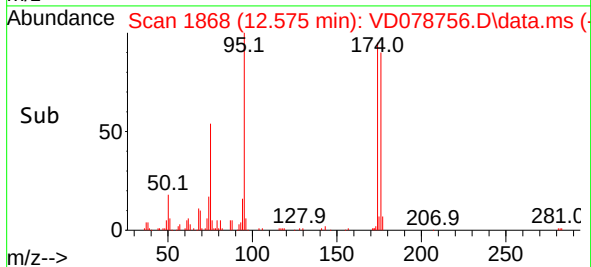
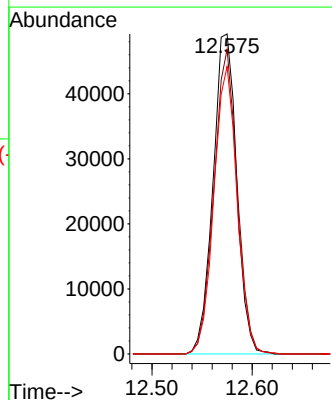
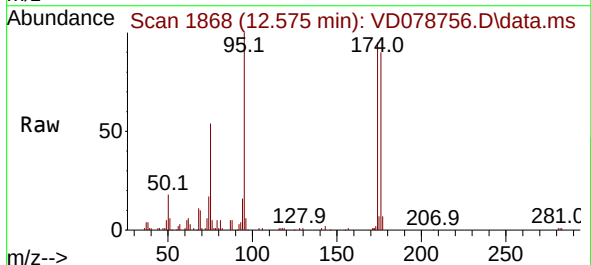
Instrument :  
MSVOA\_D  
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EB-01(0-2)

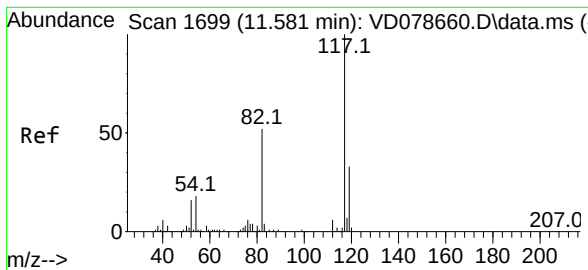
Tgt Ion: 98 Resp: 343200  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 40.764 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078756.D  
Acq: 27 Mar 2024 17:06

Tgt Ion: 95 Resp: 80516  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 195.2  
176 88.3 0.0 188.2

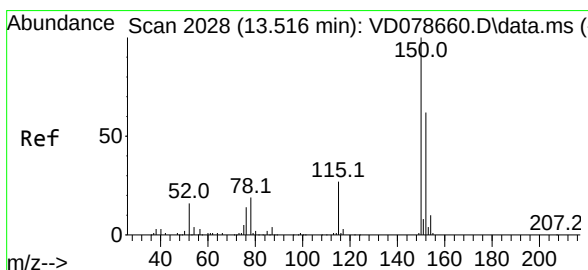
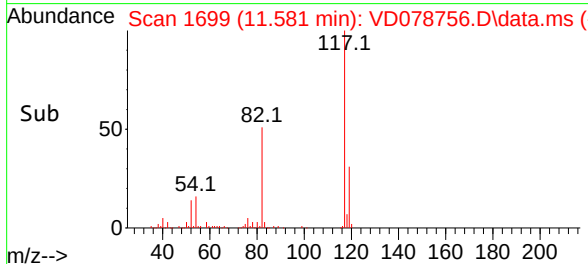
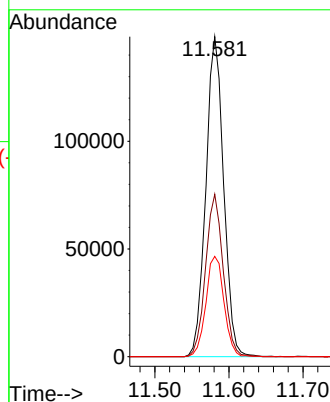
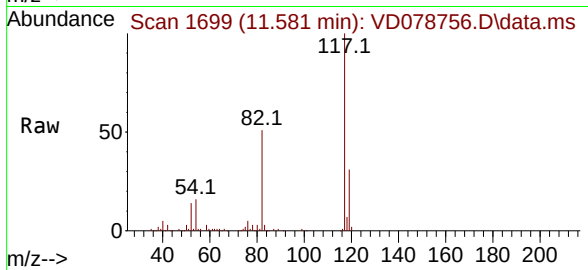




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD078756.D  
Acq: 27 Mar 2024 17:06

Instrument :  
MSVOA\_D  
ClientSampleId :  
EB-01(0-2)

Tgt Ion:117 Resp: 247622  
Ion Ratio Lower Upper  
117 100  
82 50.8 41.4 62.2  
119 31.3 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD078756.D  
Acq: 27 Mar 2024 17:06

Tgt Ion:152 Resp: 92754  
Ion Ratio Lower Upper  
152 100  
115 54.8 27.1 81.2  
150 159.9 0.0 350.2

