

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020725\  
 Data File : VD080256.D  
 Acq On : 07 Feb 2025 11:39  
 Operator : RP/MD  
 Sample : VD0207SBL01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0207SBL01

Quant Time: Feb 07 23:28:43 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 04 05:44:14 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 108285   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 188012   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 177985   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 77378    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 73171    | 51.947   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.900% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 67519    | 50.671   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.340% |
| 50) Toluene-d8              | 10.269 | 98    | 228549   | 46.251   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 92.500%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 65507    | 41.316   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.640%  |

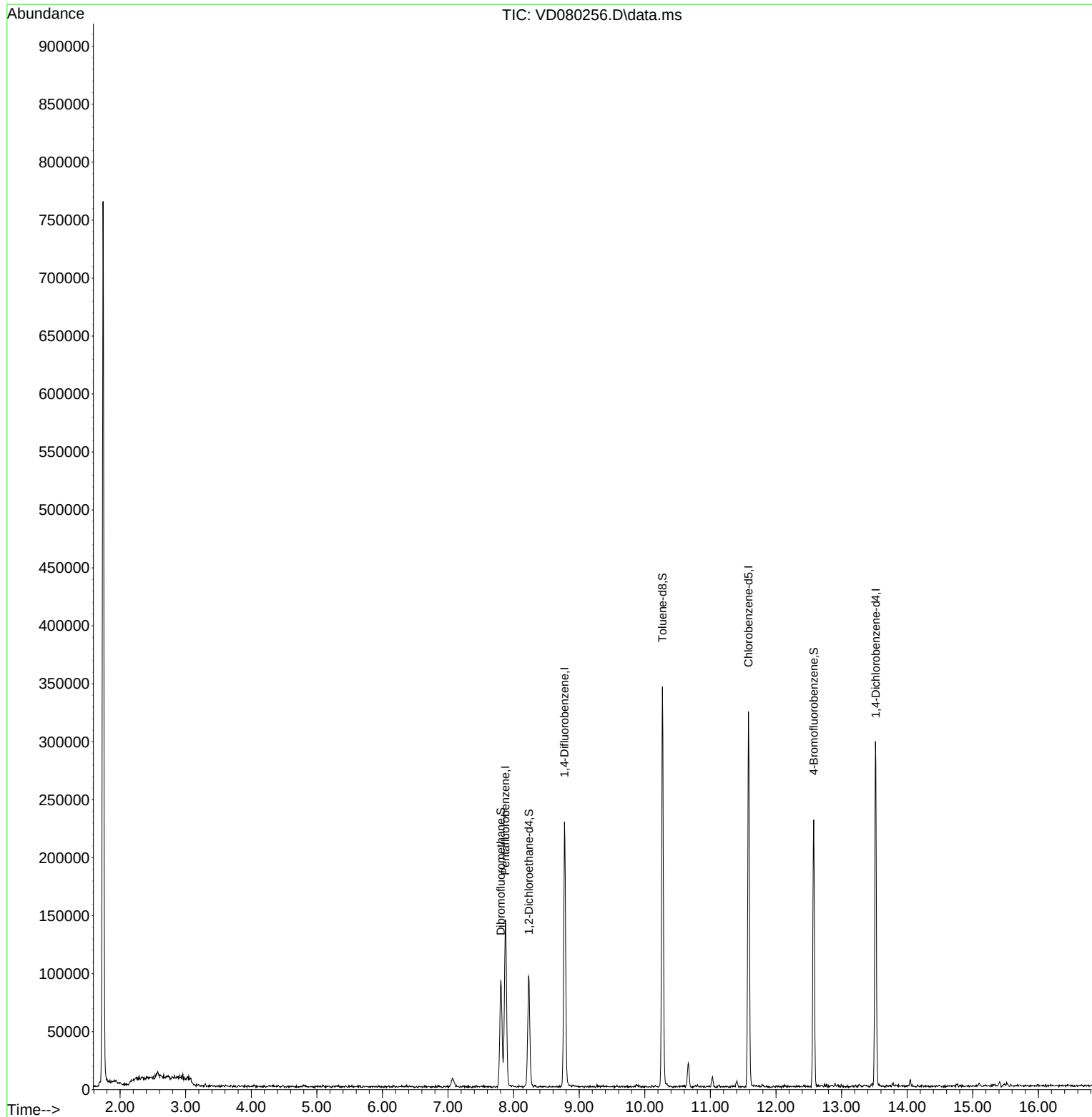
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

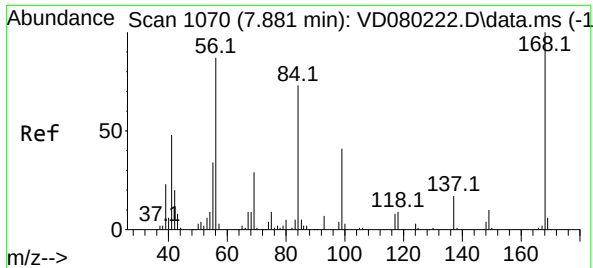
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Feb 04 05:44:14 2025  
Response via : Initial Calibration

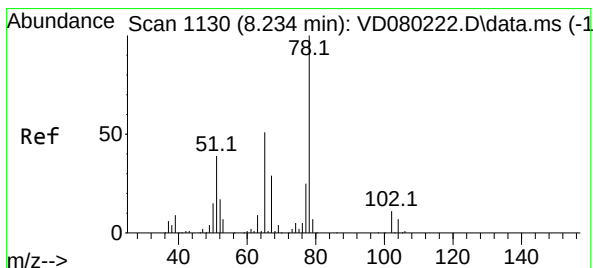
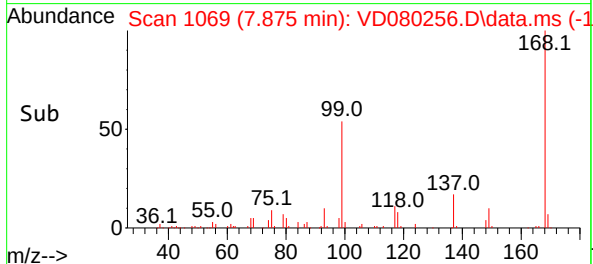
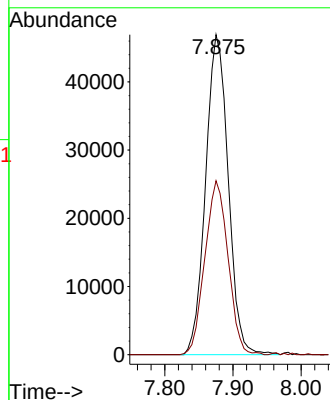
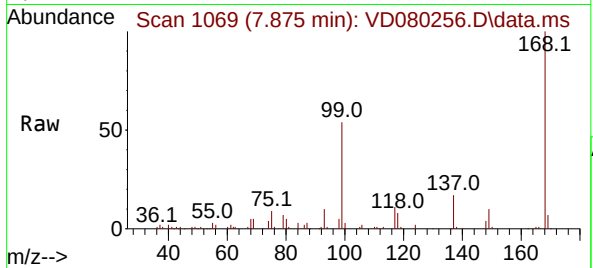




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD080256.D  
Acq: 07 Feb 2025 11:39

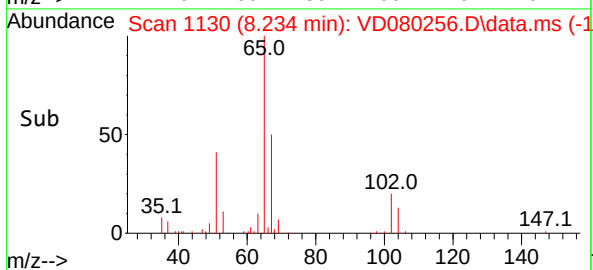
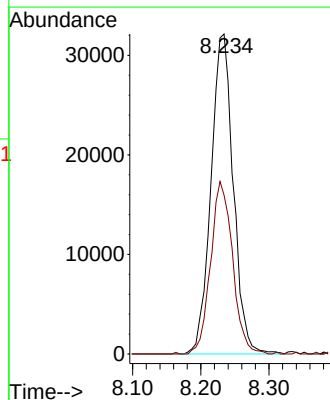
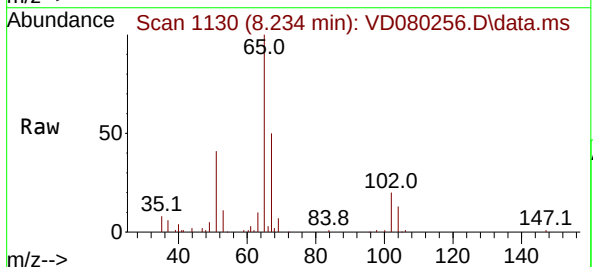
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0207SBL01

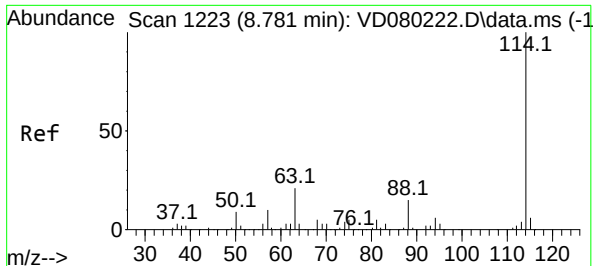
Tgt Ion:168 Resp: 108285  
Ion Ratio Lower Upper  
168 100  
99 54.4 44.4 66.6



#33  
1,2-Dichloroethane-d4  
Concen: 51.947 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VD080256.D  
Acq: 07 Feb 2025 11:39

Tgt Ion: 65 Resp: 73171  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 107.6

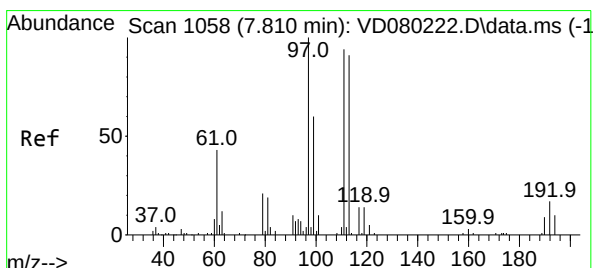
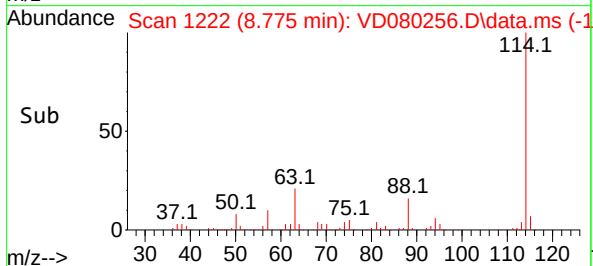
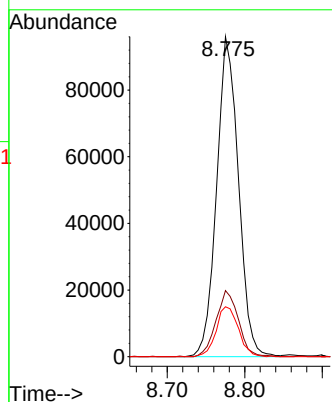
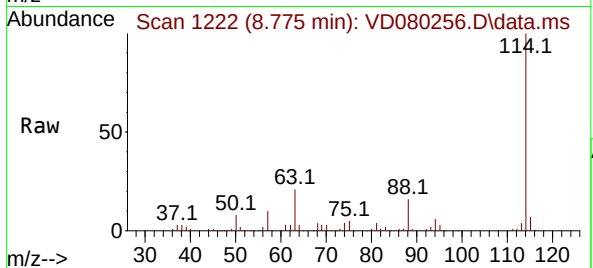




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD080256.D  
Acq: 07 Feb 2025 11:39

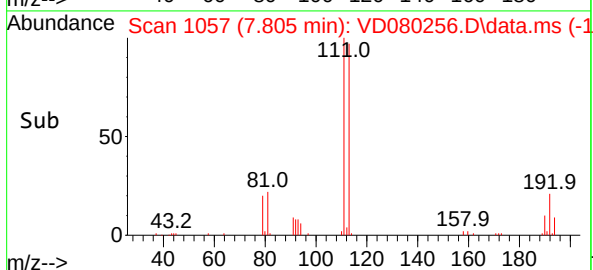
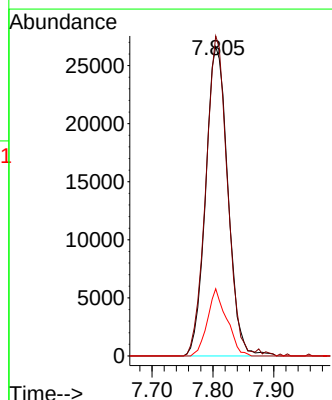
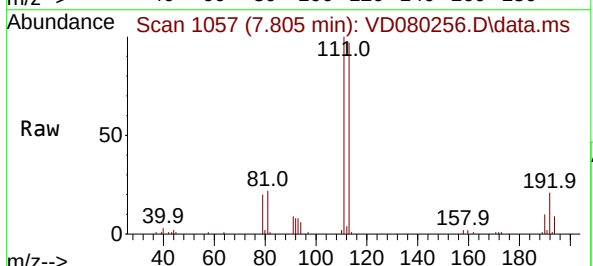
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0207SBL01

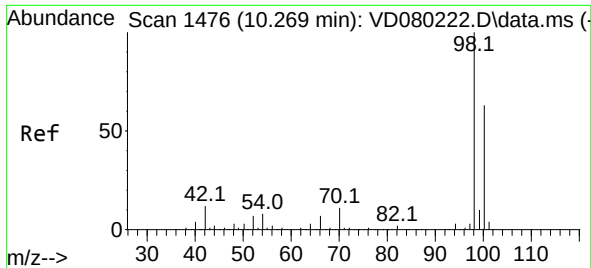
Tgt Ion:114 Resp: 188012  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 41.8  
88 15.6 0.0 30.4



#35  
Dibromofluoromethane  
Concen: 50.671 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VD080256.D  
Acq: 07 Feb 2025 11:39

Tgt Ion:113 Resp: 67519  
Ion Ratio Lower Upper  
113 100  
111 100.3 85.0 127.4  
192 18.9 15.5 23.3

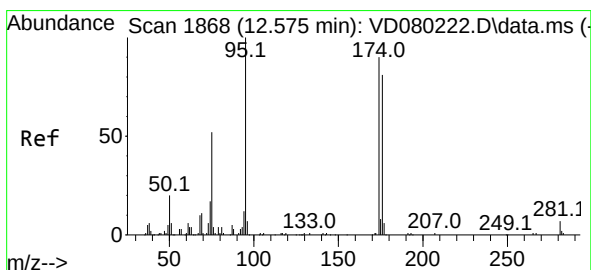
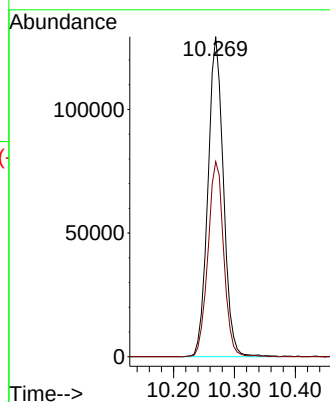
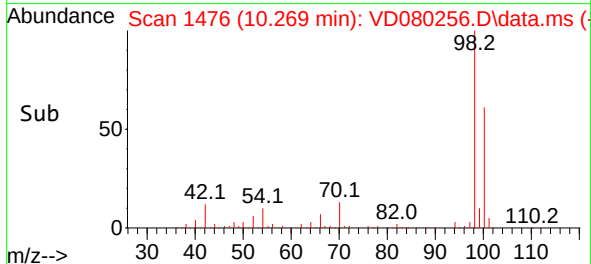
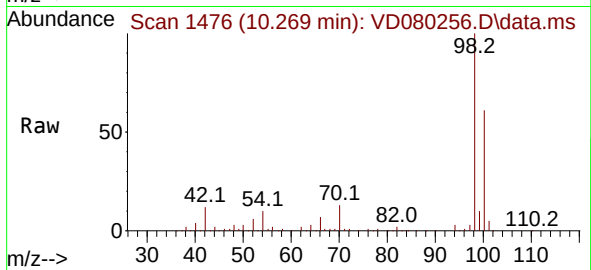




#50  
Toluene-d8  
Concen: 46.251 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD080256.D  
Acq: 07 Feb 2025 11:39

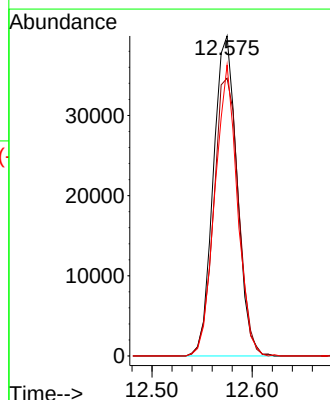
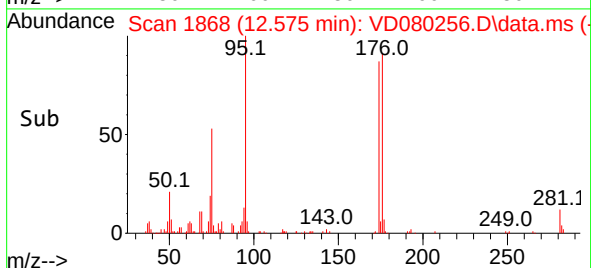
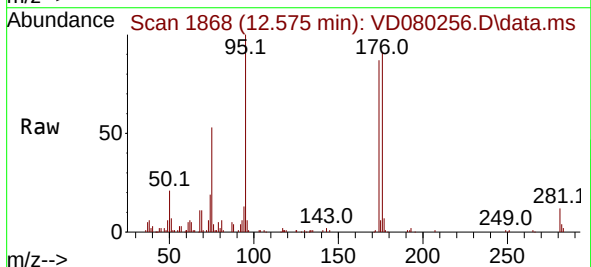
Instrument :  
MSVOA\_D  
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VD0207SBL01

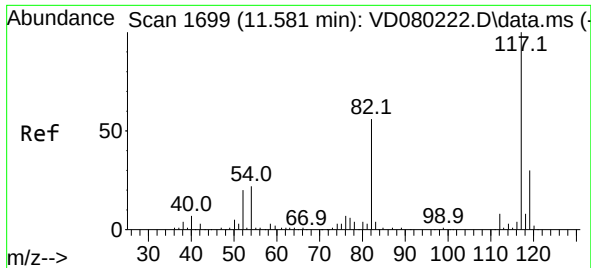
Tgt Ion: 98 Resp: 228549  
Ion Ratio Lower Upper  
98 100  
100 62.1 50.2 75.4



#62  
4-Bromofluorobenzene  
Concen: 41.316 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD080256.D  
Acq: 07 Feb 2025 11:39

Tgt Ion: 95 Resp: 65507  
Ion Ratio Lower Upper  
95 100  
174 91.0 0.0 171.8  
176 86.3 0.0 159.6

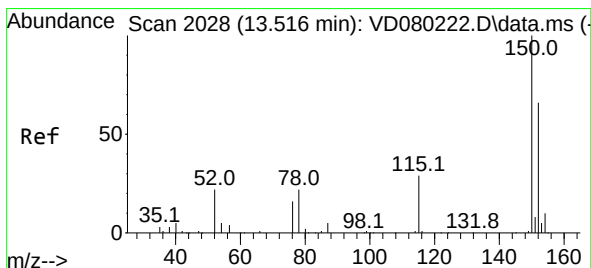
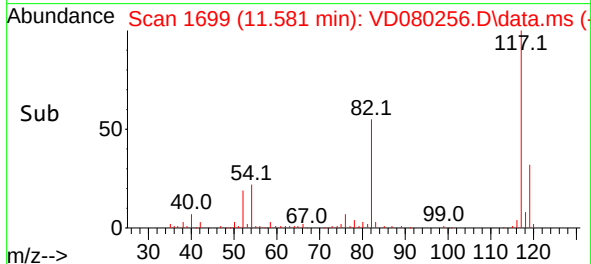
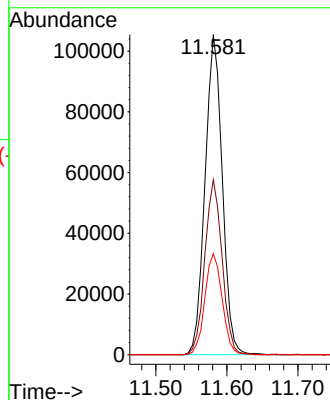
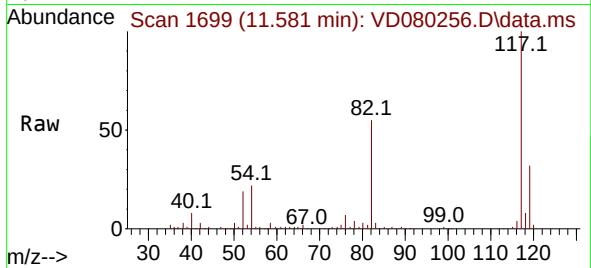




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117985  
Delta R.T. 0.000 min  
Lab File: VD080256.D  
Acq: 07 Feb 2025 11:39

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0207SBL01

Tgt Ion:117 Resp: 177985  
Ion Ratio Lower Upper  
117 100  
82 54.6 45.0 67.6  
119 31.6 24.3 36.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD080256.D  
Acq: 07 Feb 2025 11:39

Tgt Ion:152 Resp: 77378  
Ion Ratio Lower Upper  
152 100  
115 58.7 30.0 90.1  
150 160.6 0.0 350.4

