

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072524\  
 Data File : VD079405.D  
 Acq On : 25 Jul 2024 14:18  
 Operator : RP/MD  
 Sample : VIBLK  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Quant Time: Jul 26 07:03:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 26 07:02:46 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 99061    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 309587   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 307584   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 123336   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 58915    | 57.359   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.720% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 121711   | 61.463   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 122.920% |
| 50) Toluene-d8              | 10.269 | 98    | 356232   | 48.097   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.200%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 121682   | 53.845   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 107.680% |

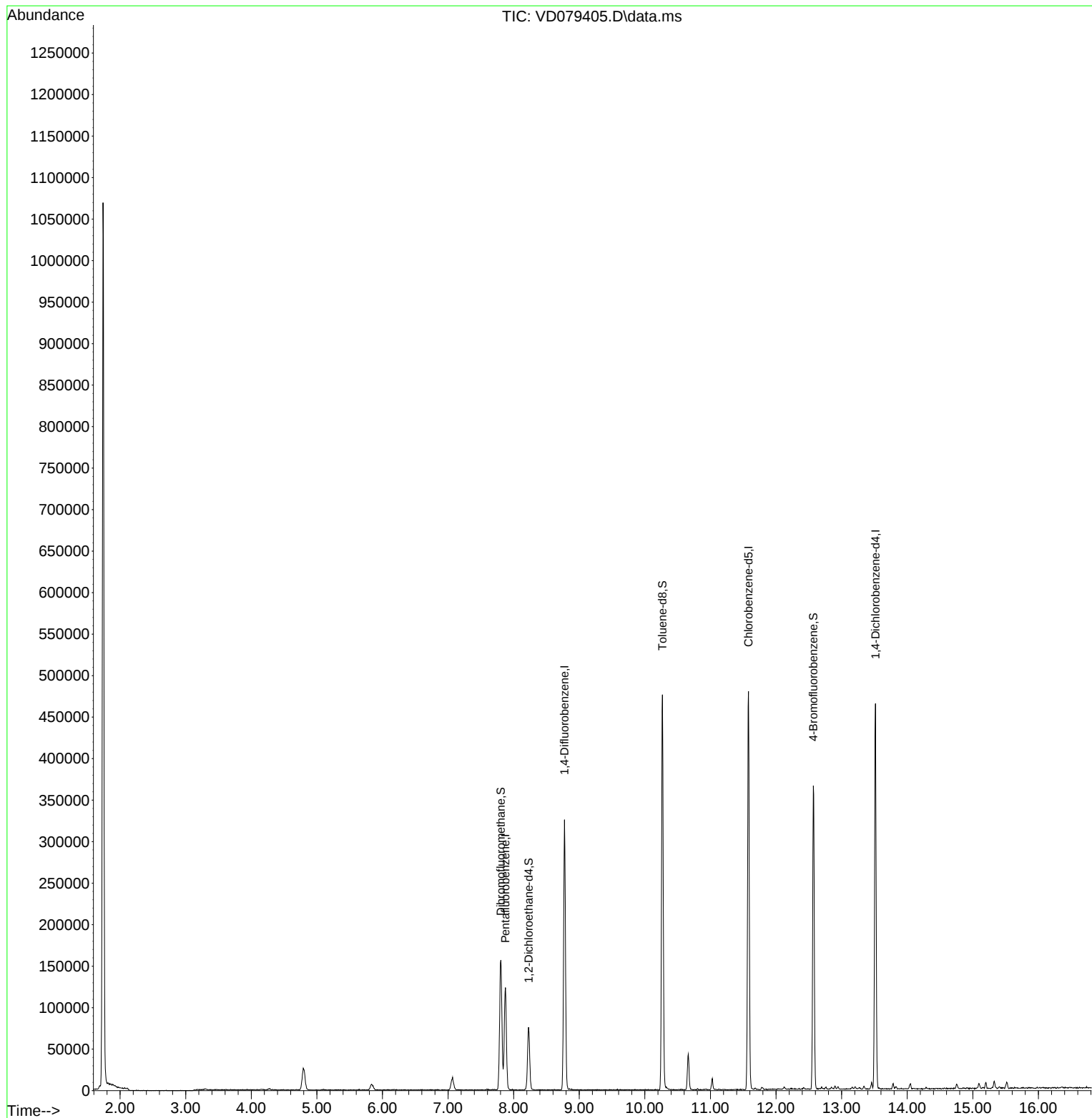
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

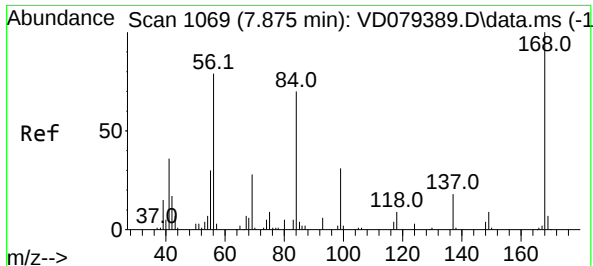
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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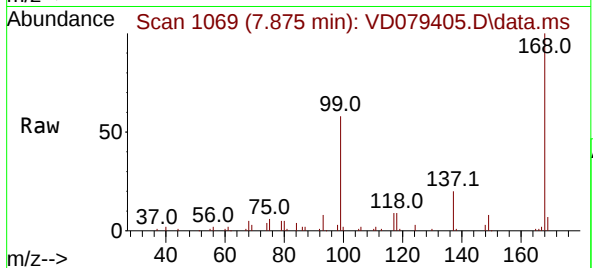
Quant Time: Jul 26 07:03:23 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 26 07:02:46 2024  
Response via : Initial Calibration



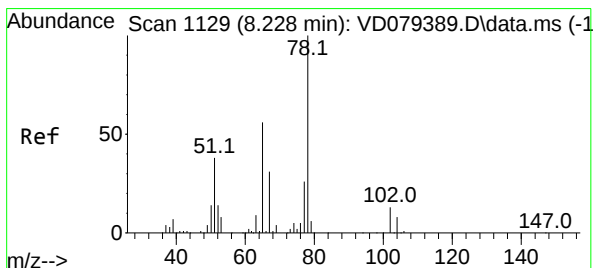
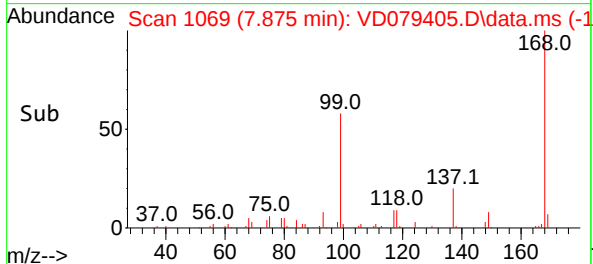
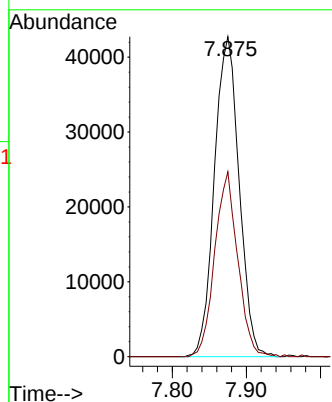


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD079405.D  
Acq: 25 Jul 2024 14:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

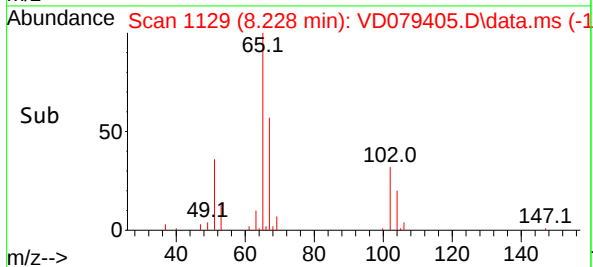
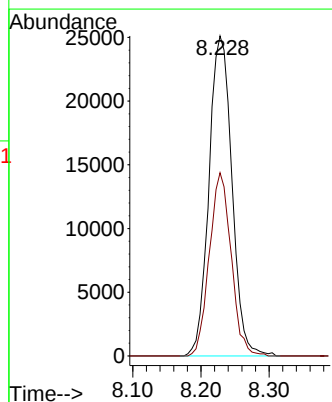
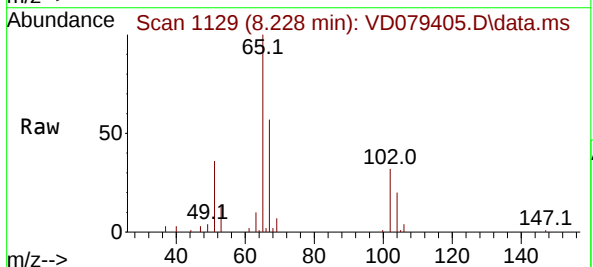


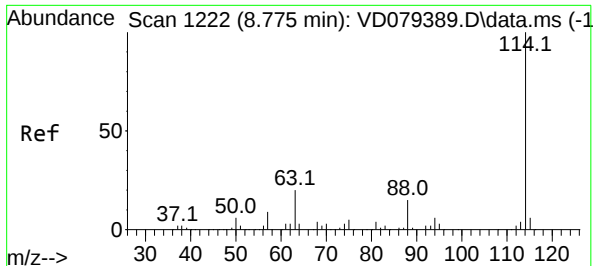
Tgt Ion:168 Resp: 99061  
Ion Ratio Lower Upper  
168 100  
99 57.8 41.1 61.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.359 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD079405.D  
Acq: 25 Jul 2024 14:18

Tgt Ion: 65 Resp: 58915  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 111.0

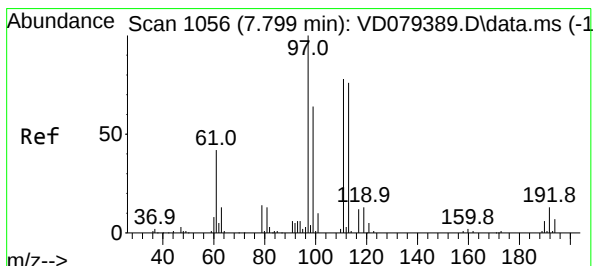
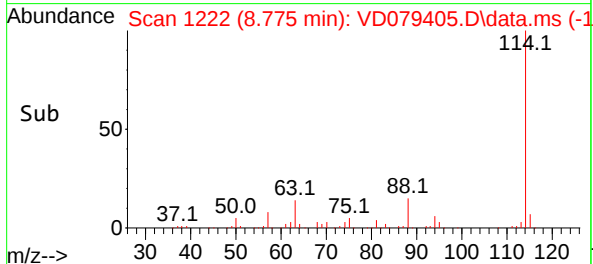
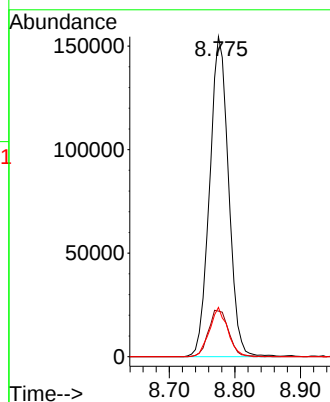
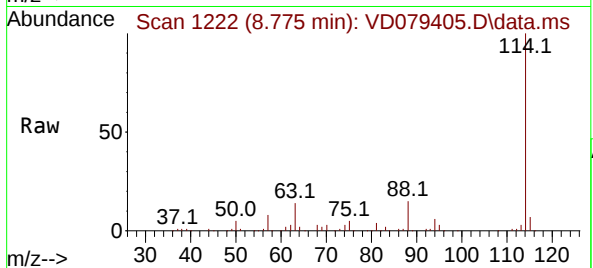




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD079405.D  
Acq: 25 Jul 2024 14:18

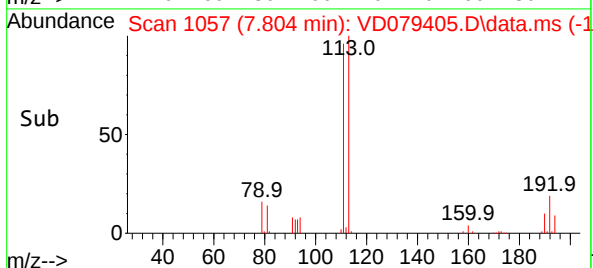
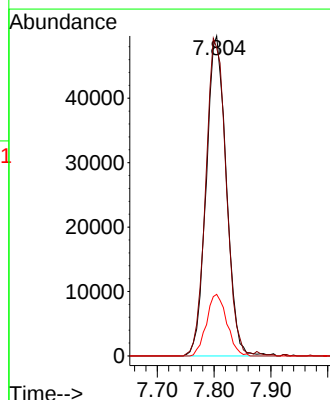
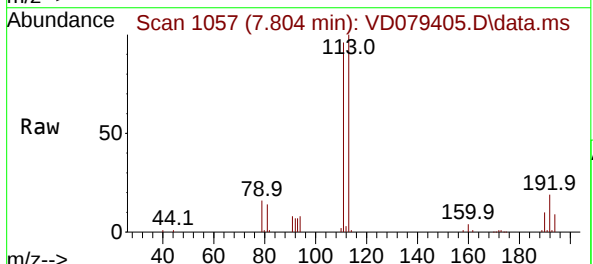
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

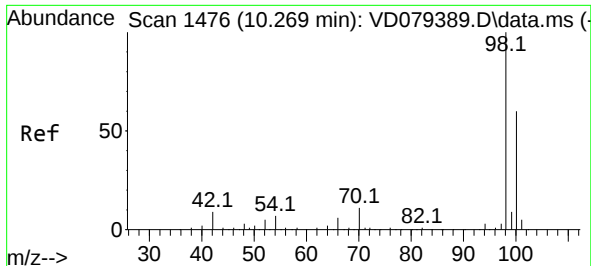
Tgt Ion:114 Resp: 309587  
Ion Ratio Lower Upper  
114 100  
63 14.2 0.0 34.0  
88 15.4 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 61.463 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD079405.D  
Acq: 25 Jul 2024 14:18

Tgt Ion:113 Resp: 121711  
Ion Ratio Lower Upper  
113 100  
111 100.7 84.0 126.0  
192 19.5 15.4 23.0

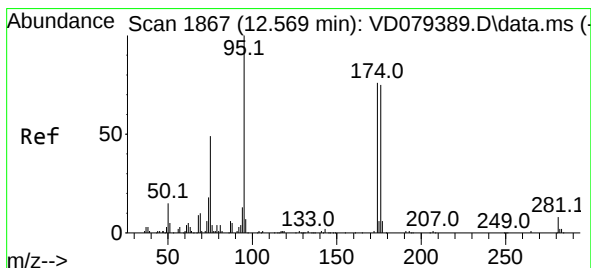
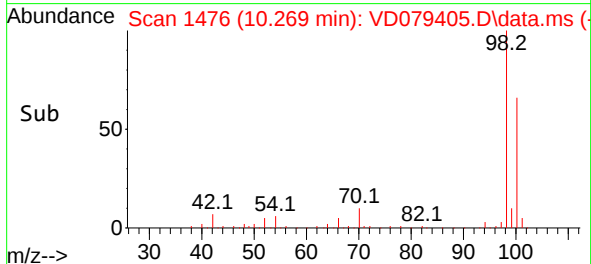
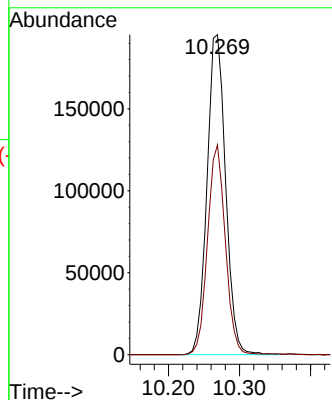
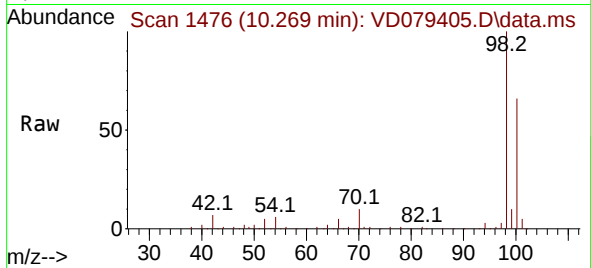




#50  
Toluene-d8  
Concen: 48.097 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD079405.D  
Acq: 25 Jul 2024 14:18

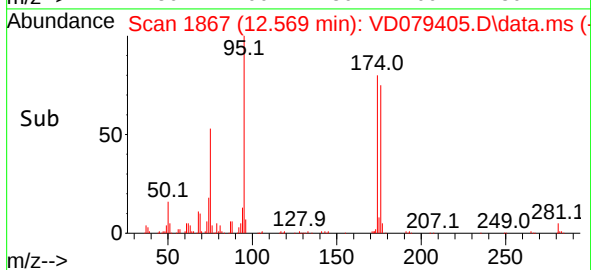
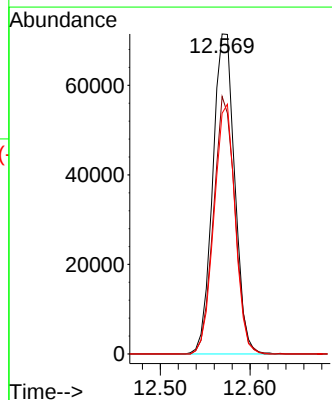
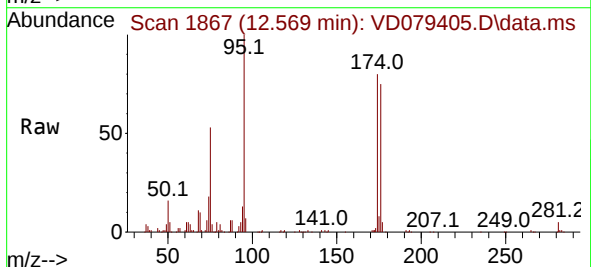
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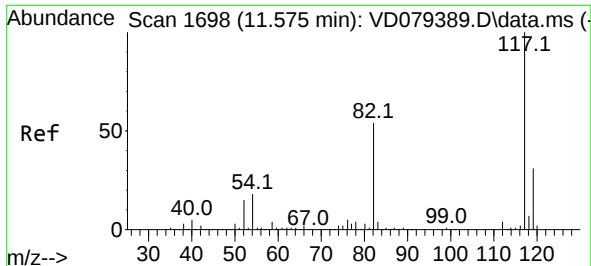
Tgt Ion: 98 Resp: 356232  
Ion Ratio Lower Upper  
98 100  
100 62.5 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 53.845 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD079405.D  
Acq: 25 Jul 2024 14:18

Tgt Ion: 95 Resp: 121682  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 195.4  
176 75.3 0.0 192.6

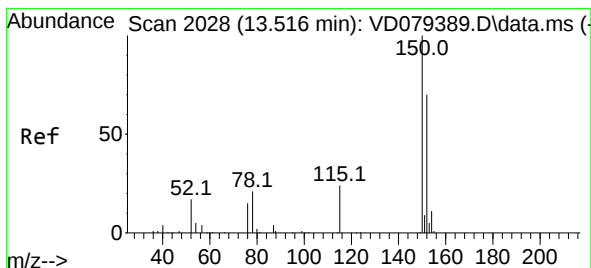
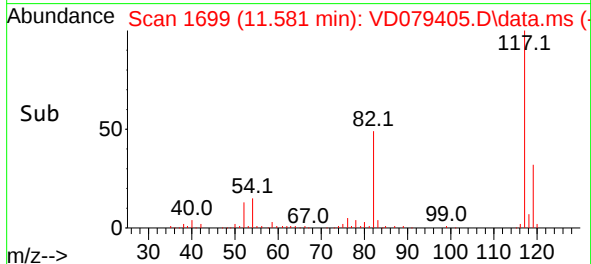
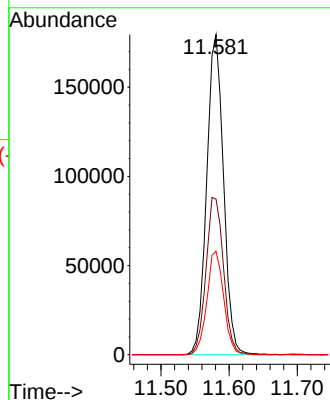
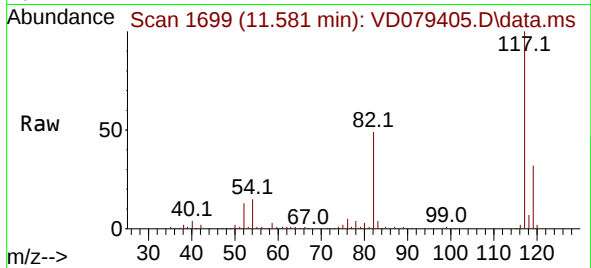




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD079405.D  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 307584  
Ion Ratio Lower Upper  
117 100  
82 48.6 39.8 59.6  
119 32.3 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD079405.D  
Acq: 25 Jul 2024 14:18

Tgt Ion:152 Resp: 123336  
Ion Ratio Lower Upper  
152 100  
115 60.4 26.5 79.5  
150 156.0 0.0 341.6

