

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080224\  
 Data File : VD079546.D  
 Acq On : 02 Aug 2024 17:03  
 Operator : RP/MD  
 Sample : P3414-03  
 Misc : 5.05G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PL-02-07312024-B

Quant Time: Aug 02 19:01:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 206381   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 351768   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 323757   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 145093   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 103415   | 49.324   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.640% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 109503   | 45.992   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.980% |
| 50) Toluene-d8              | 10.269 | 98    | 388246   | 41.991   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 83.980% |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 104146   | 38.924   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 77.840% |

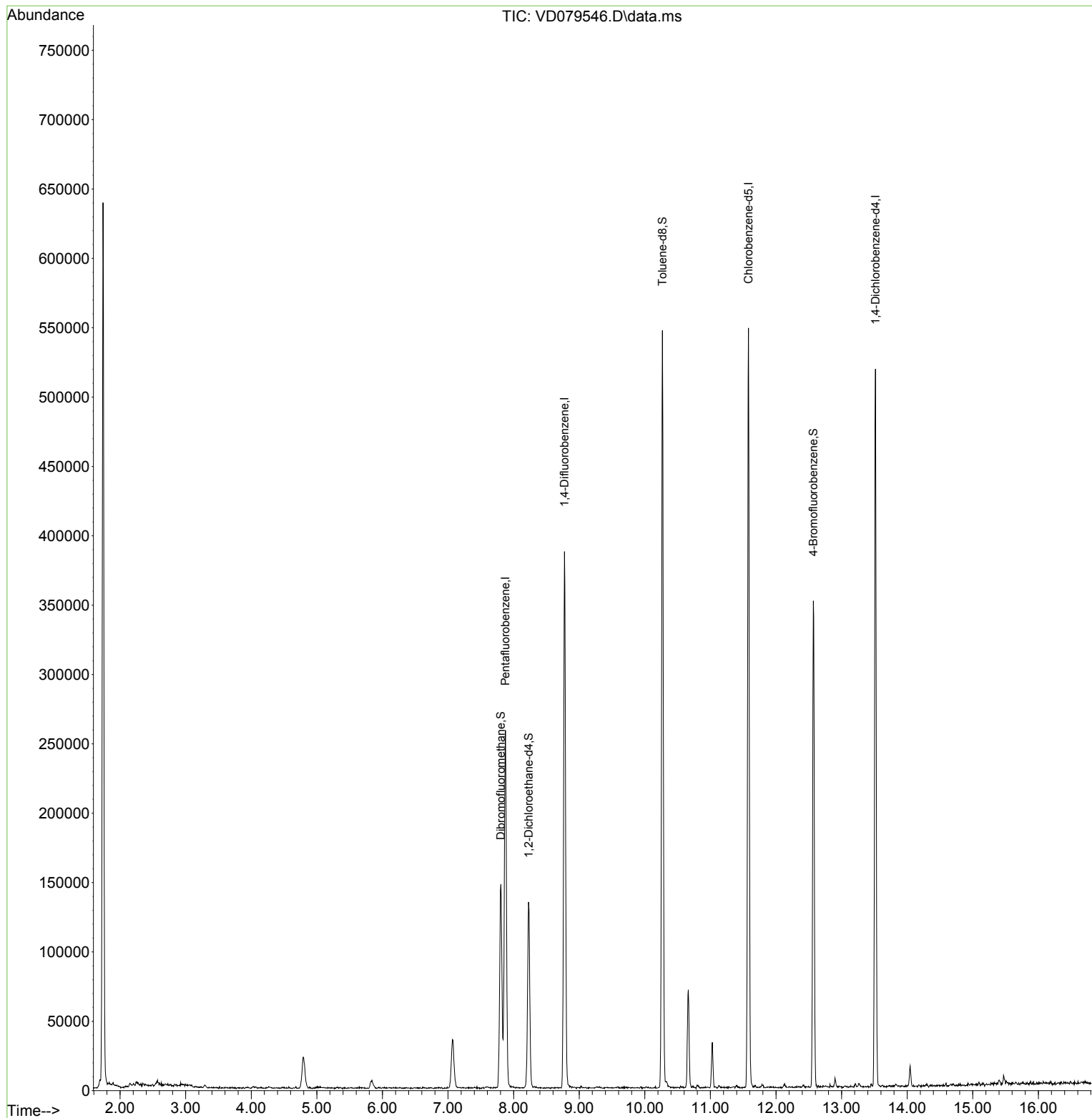
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

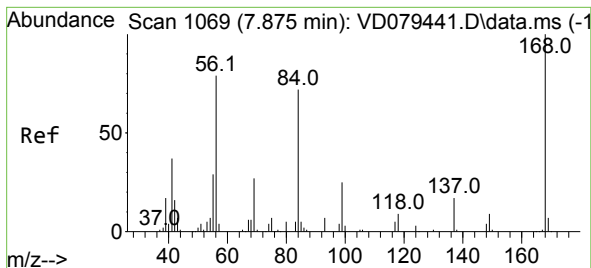
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-07312024-B

Quant Time: Aug 02 19:01:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 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: VD079546.D

Acq: 02 Aug 2024 17:03

Instrument :

MSVOA\_D

ClientSampleId :

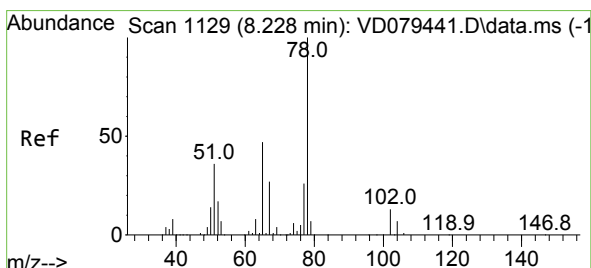
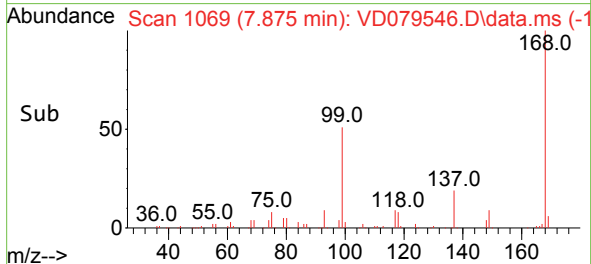
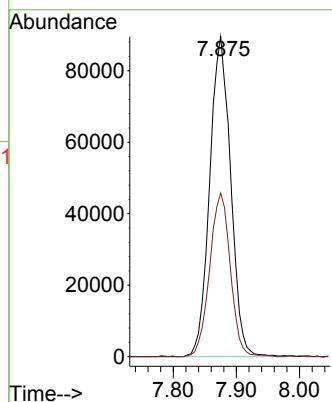
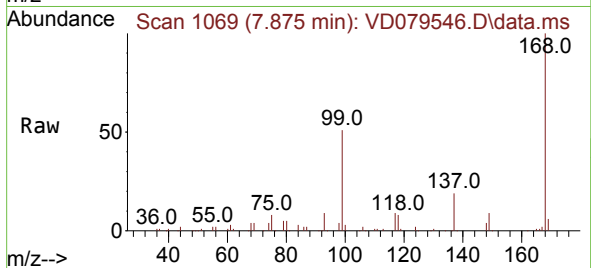
PL-02-07312024-B

Tgt Ion:168 Resp: 206381

Ion Ratio Lower Upper

168 100

99 51.1 41.1 61.7



#33

1,2-Dichloroethane-d4

Concen: 49.324 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079546.D

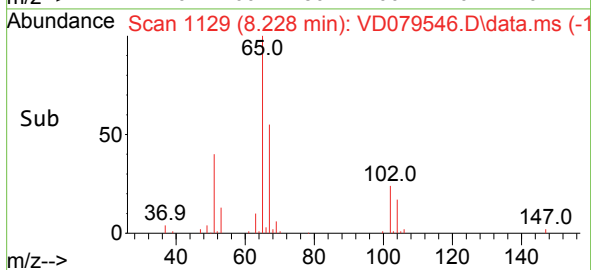
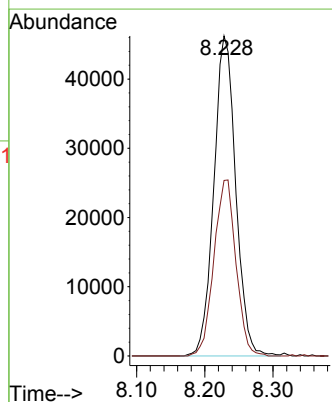
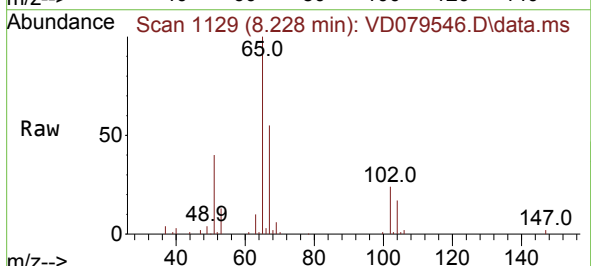
Acq: 02 Aug 2024 17:03

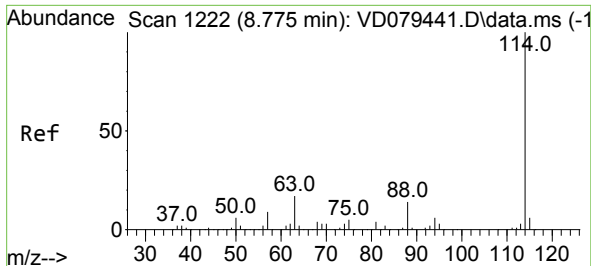
Tgt Ion: 65 Resp: 103415

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0

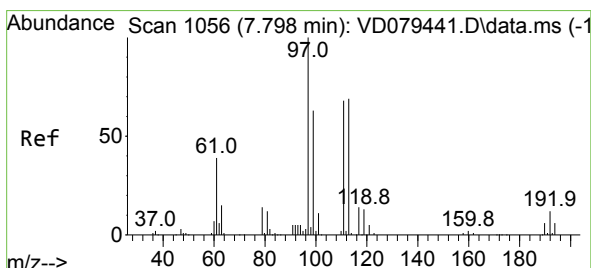
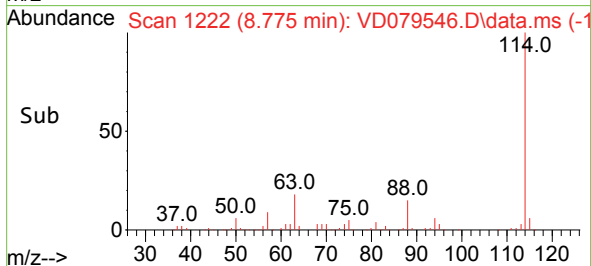
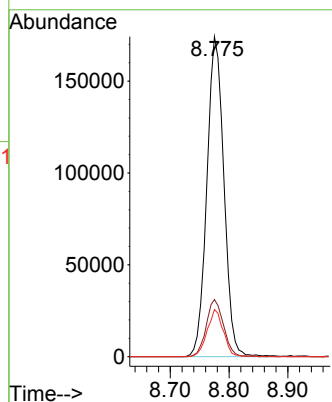
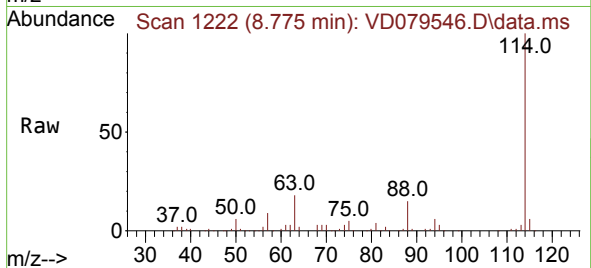




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.775 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD079546.D  
Acq: 02 Aug 2024 17:03

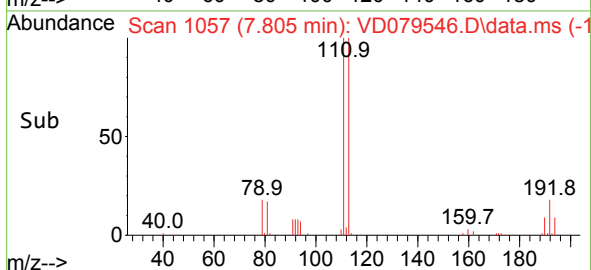
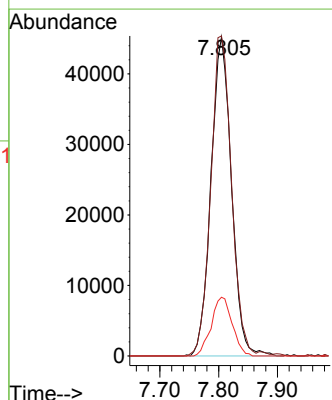
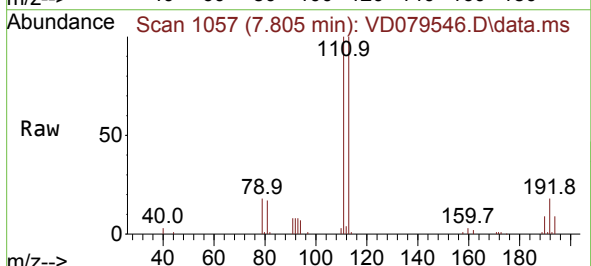
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-07312024-B

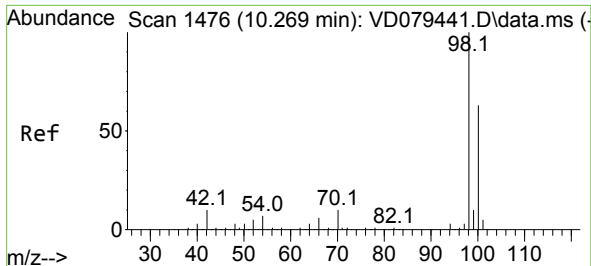
Tgt Ion:114 Resp: 351768  
Ion Ratio Lower Upper  
114 100  
63 17.9 0.0 34.0  
88 14.7 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 45.992 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD079546.D  
Acq: 02 Aug 2024 17:03

Tgt Ion:113 Resp: 109503  
Ion Ratio Lower Upper  
113 100  
111 101.2 84.0 126.0  
192 18.8 15.4 23.0

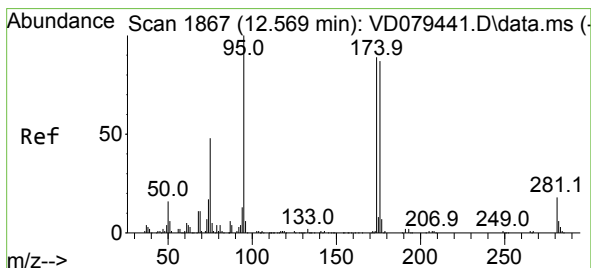
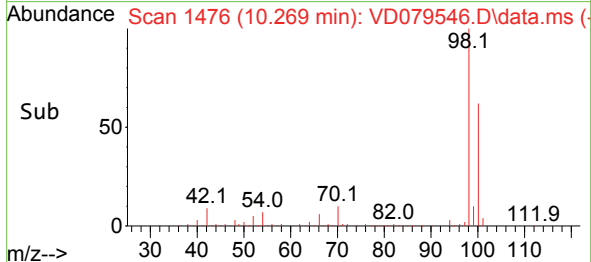
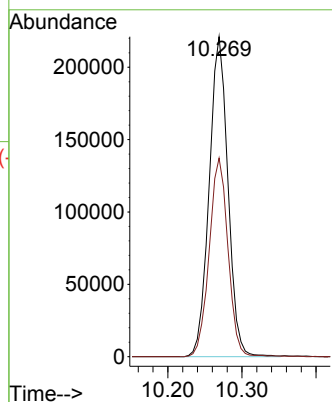
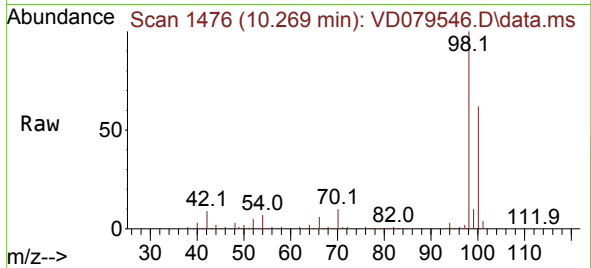




#50  
Toluene-d8  
Concen: 41.991 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079546.D  
Acq: 02 Aug 2024 17:03

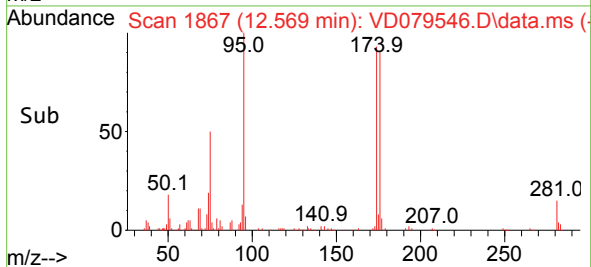
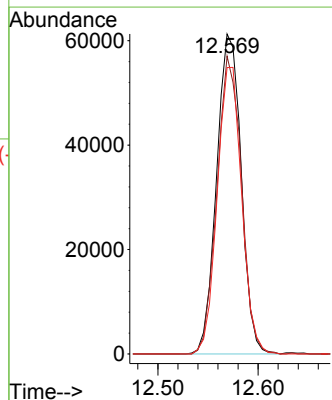
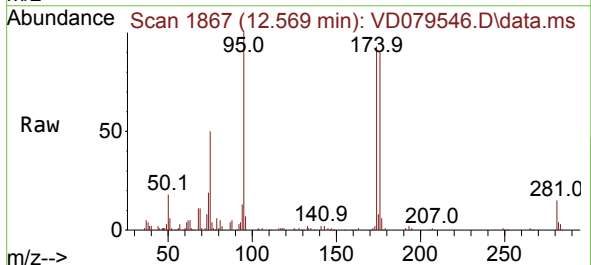
Instrument :  
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ClientSampleId :  
PL-02-07312024-B

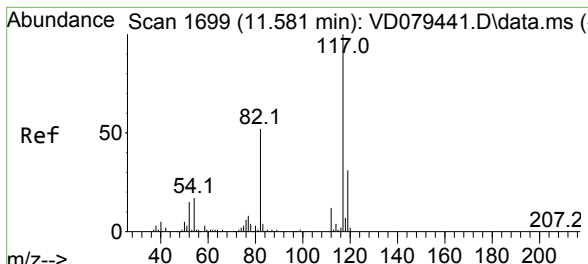
Tgt Ion: 98 Resp: 388246  
Ion Ratio Lower Upper  
98 100  
100 62.3 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 38.924 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079546.D  
Acq: 02 Aug 2024 17:03

Tgt Ion: 95 Resp: 104146  
Ion Ratio Lower Upper  
95 100  
174 92.8 0.0 195.4  
176 89.5 0.0 192.6

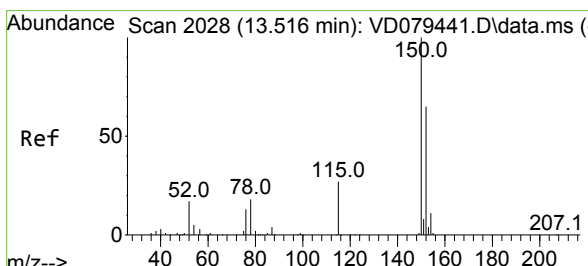
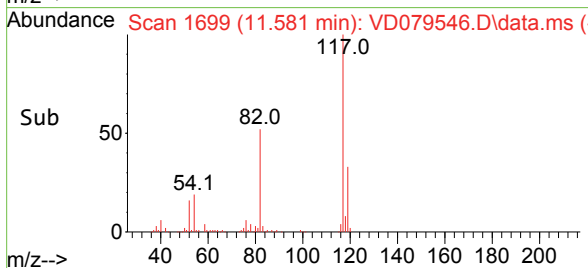
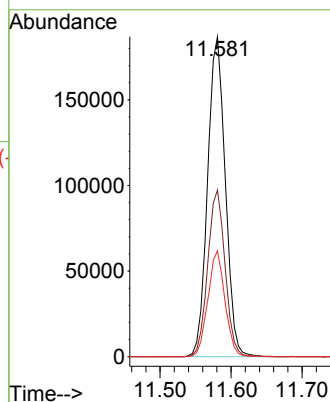
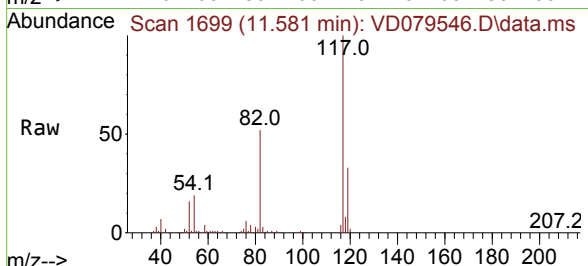




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD079546.D  
Acq: 02 Aug 2024 17:03

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-07312024-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 323757 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.1  | 39.8  | 59.6   |
| 119      | 33.1  | 25.7  | 38.5   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD079546.D  
Acq: 02 Aug 2024 17:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 145093 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 55.9  | 26.5  | 79.5   |
| 150      | 156.2 | 0.0   | 341.6  |

