

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022324\  
 Data File : VD078541.D  
 Acq On : 23 Feb 2024 17:38  
 Operator : RP/MD  
 Sample : P1585-01  
 Misc : 5.02G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-232

Quant Time: Feb 24 00:25:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 14 01:16:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 113568   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 209382   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 264590   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 140710   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 45007    | 36.652   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 73.300%  |
| 35) Dibromofluoromethane    | 7.804  | 113   | 63625    | 47.837   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 95.680%  |
| 50) Toluene-d8              | 10.269 | 98    | 275309   | 51.745   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 103.500% |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 106477   | 68.771   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 137.540% |

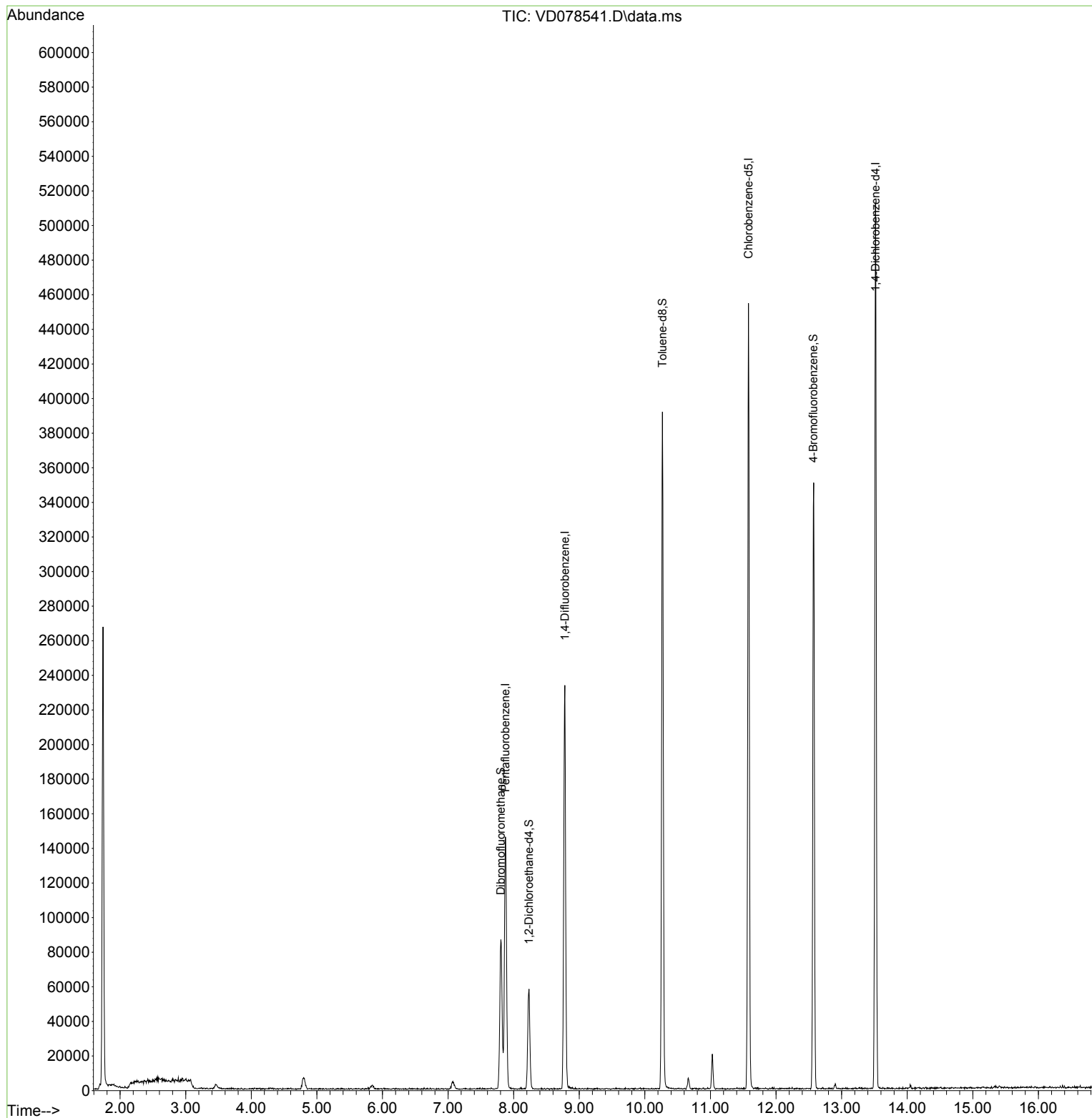
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

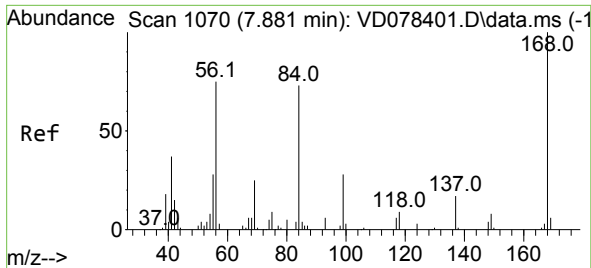
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 14 01:16:20 2024  
Response via : Initial Calibration

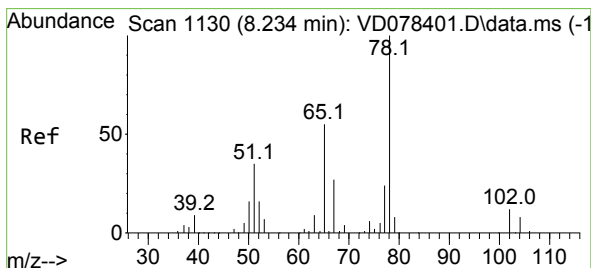
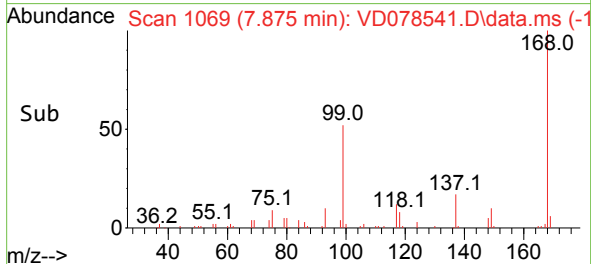
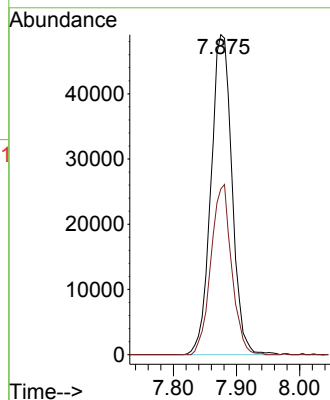
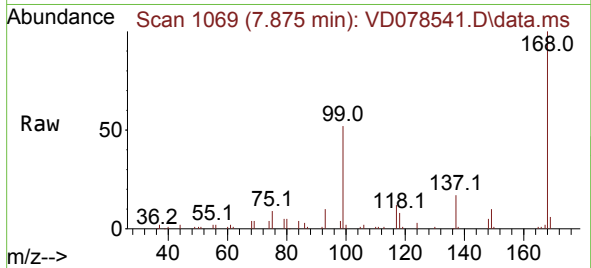




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 110  
Delta R.T. -0.006 min  
Lab File: VD078541.D  
Acq: 23 Feb 2024 17:38

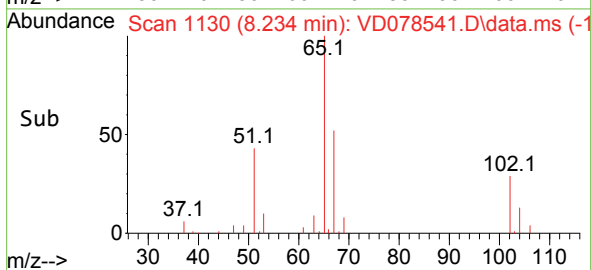
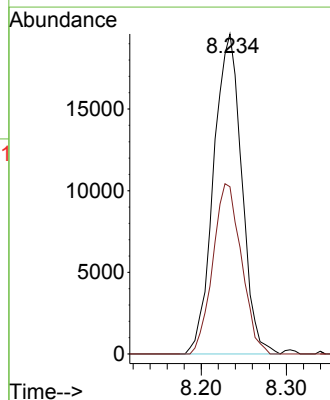
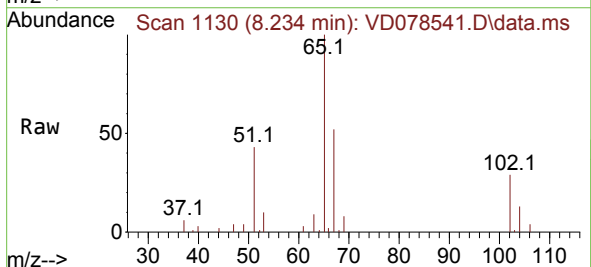
Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

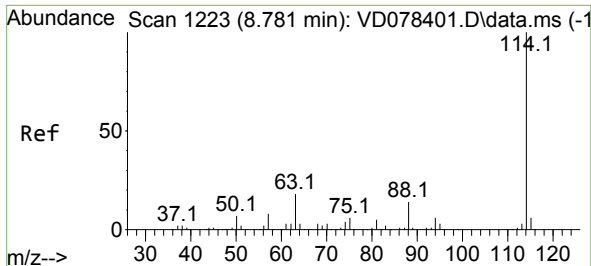
Tgt Ion:168 Resp: 113568  
Ion Ratio Lower Upper  
168 100  
99 51.8 36.7 55.1



#33  
1,2-Dichloroethane-d4  
Concen: 36.652 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VD078541.D  
Acq: 23 Feb 2024 17:38

Tgt Ion: 65 Resp: 45007  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

Instrument :

MSVOA\_D

ClientSampleId :

VNJ-232

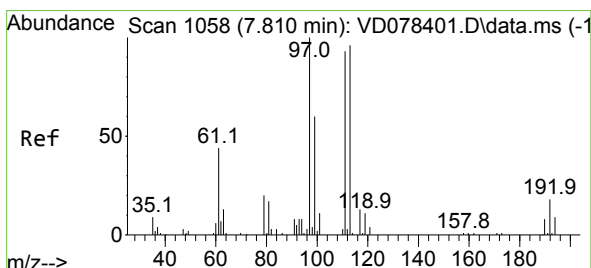
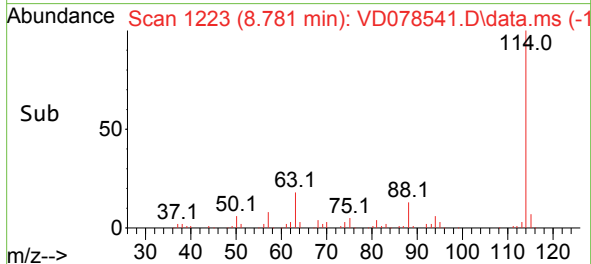
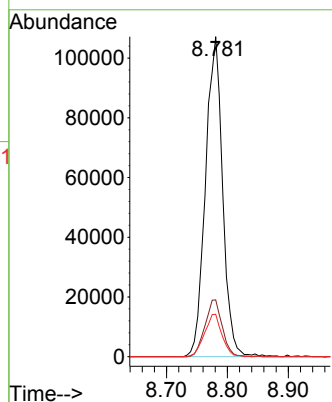
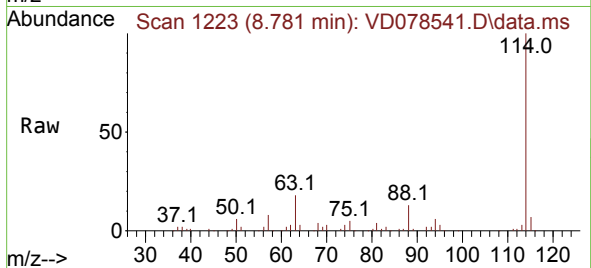
Tgt Ion:114 Resp: 209382

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.837 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078541.D

Acq: 23 Feb 2024 17:38

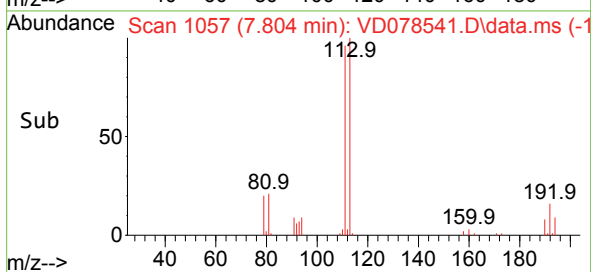
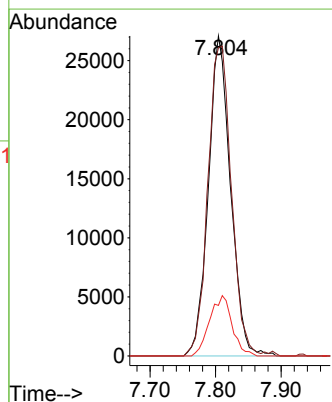
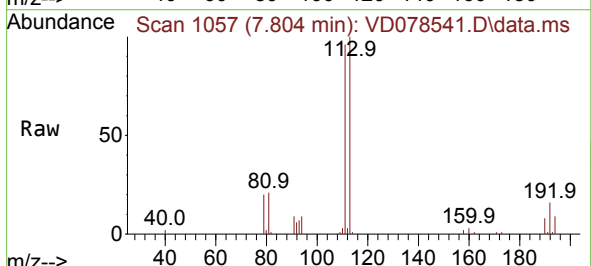
Tgt Ion:113 Resp: 63625

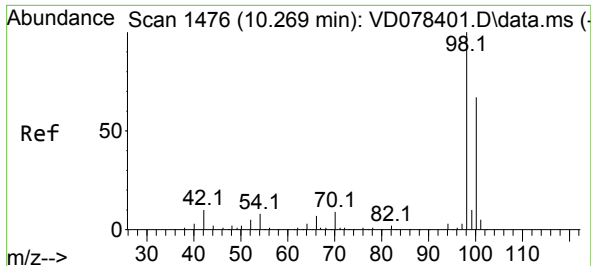
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 19.1 16.8 25.2

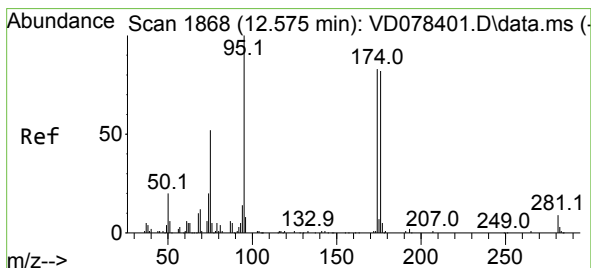
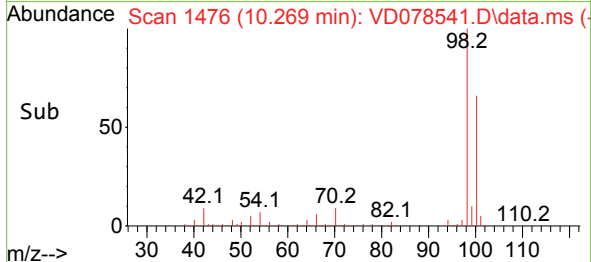
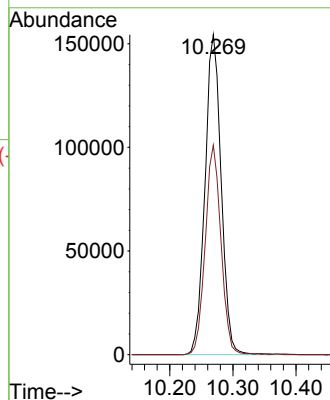
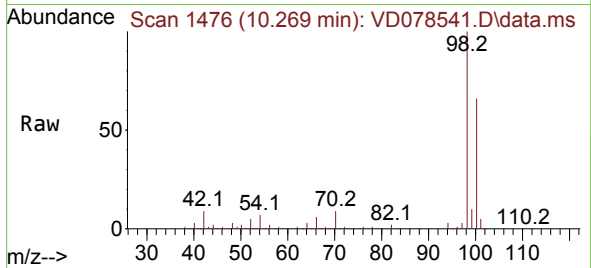




#50  
Toluene-d8  
Concen: 51.745 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD078541.D  
Acq: 23 Feb 2024 17:38

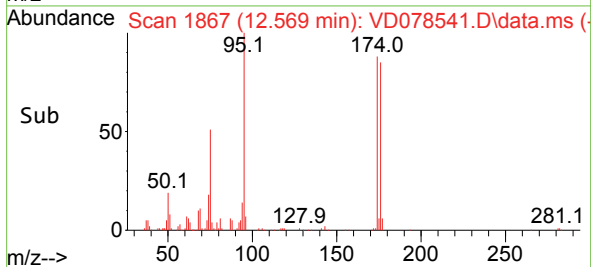
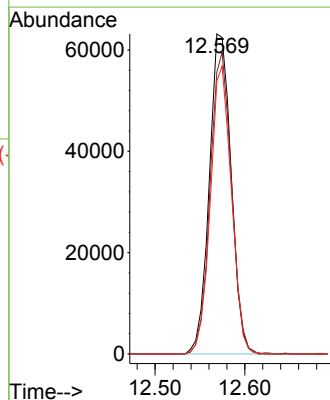
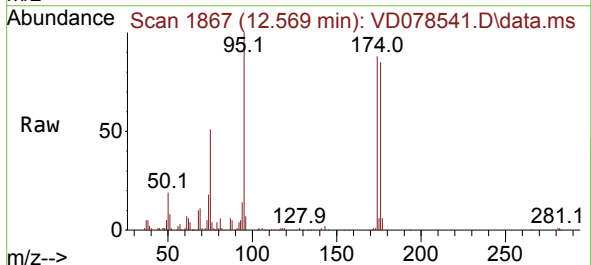
Instrument :  
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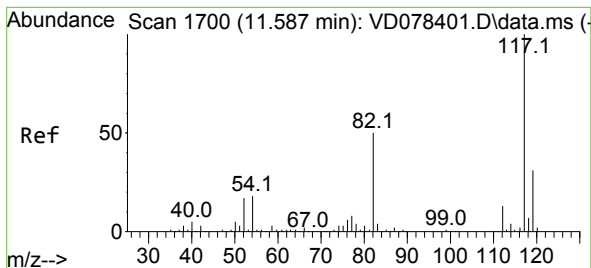
Tgt Ion: 98 Resp: 275309  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 68.771 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VD078541.D  
Acq: 23 Feb 2024 17:38

Tgt Ion: 95 Resp: 106477  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 201.8  
176 86.7 0.0 191.8

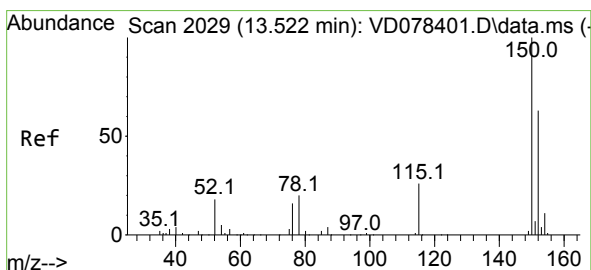
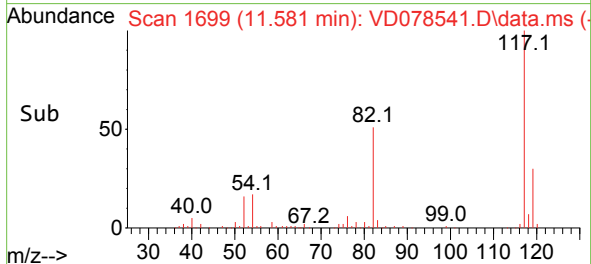
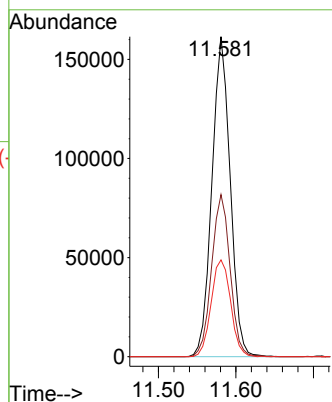
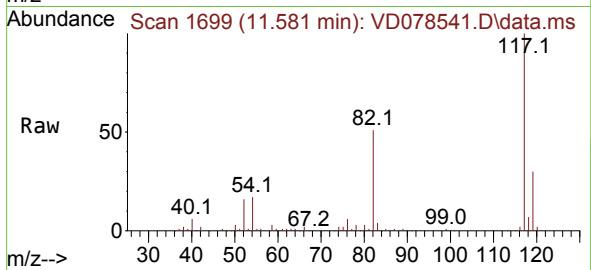




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: VD078541.D  
Acq: 23 Feb 2024 17:38

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-232

Tgt Ion:117 Resp: 264590  
Ion Ratio Lower Upper  
117 100  
82 50.6 38.3 57.5  
119 30.2 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD078541.D  
Acq: 23 Feb 2024 17:38

Tgt Ion:152 Resp: 140710  
Ion Ratio Lower Upper  
152 100  
115 55.4 27.1 81.3  
150 153.8 0.0 353.6

