

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN013023\  
 Data File : VN076449.D  
 Acq On : 30 Jan 2023 11:55  
 Operator : JC\MD  
 Sample : VN0130WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0130WBL01

Quant Time: Jan 31 00:35:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.235  | 168  | 425433   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 688481   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 584978   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 265225   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.588  | 65    | 255329   | 53.601   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 107.200% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 214987   | 49.919   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 99.840%  |
| 50) Toluene-d8              | 10.571 | 98    | 798654   | 50.213   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 100.420% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 241806   | 46.570   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 93.140%  |

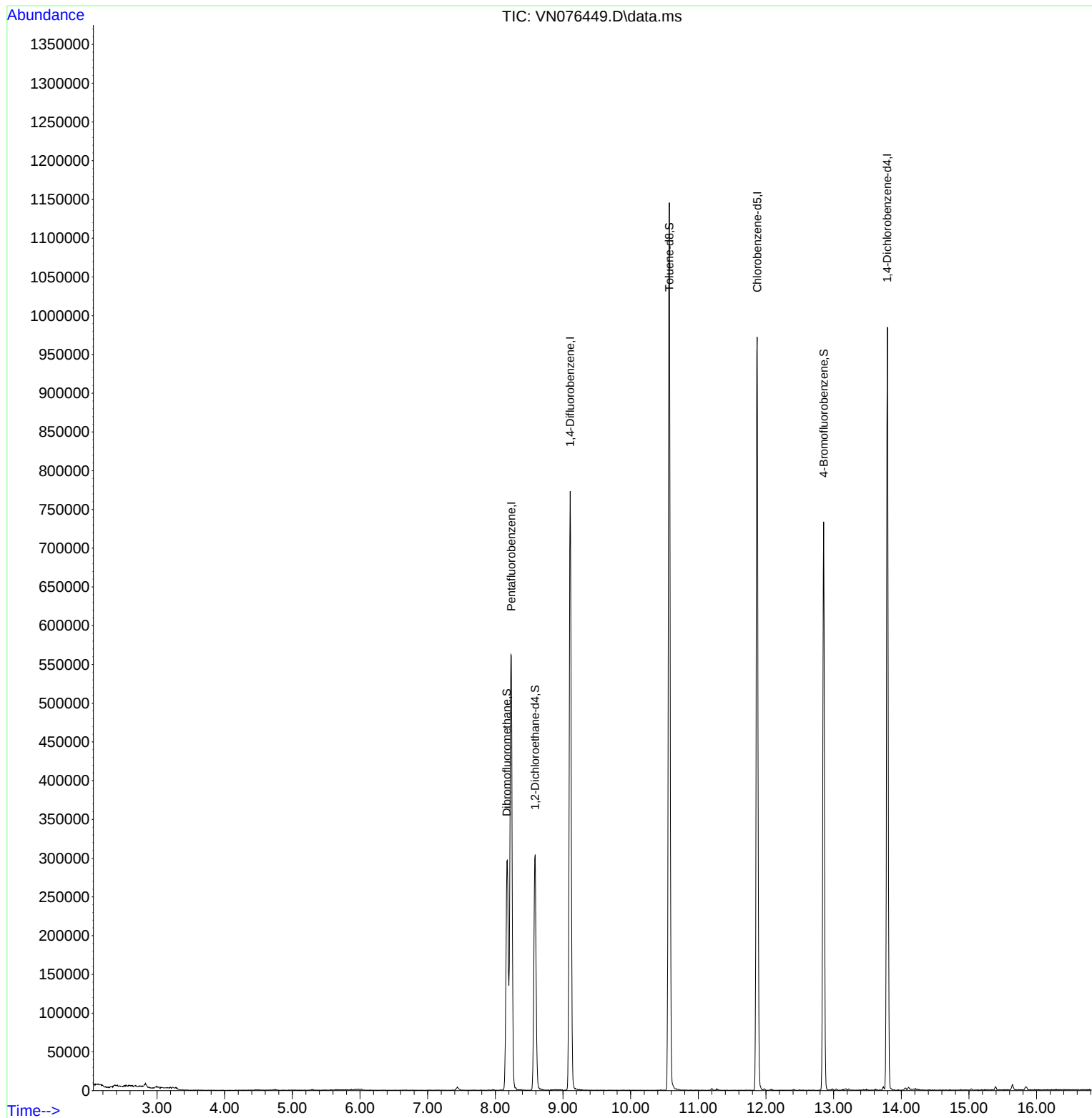
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

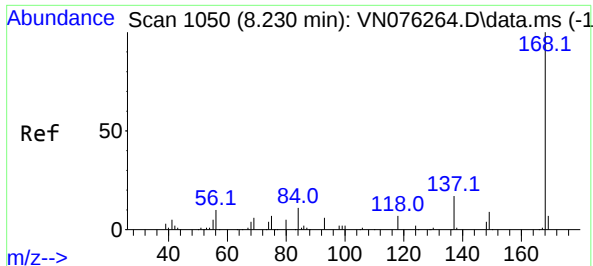
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0130WBL01

Quant Time: Jan 31 00:35:25 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076449.D

Acq: 30 Jan 2023 11:55

Instrument :

MSVOA\_N

ClientSampleId :

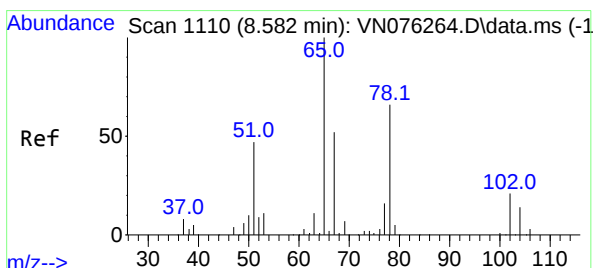
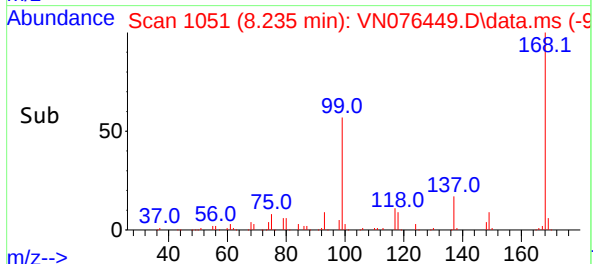
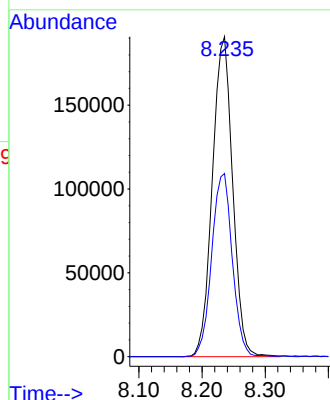
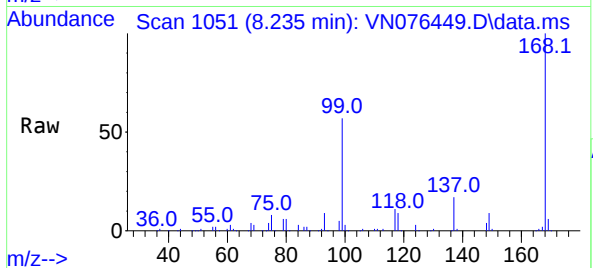
VN0130WBL01

Tgt Ion:168 Resp: 425433

Ion Ratio Lower Upper

168 100

99 57.3 41.6 62.4



1,2-Dichloroethane-d4

Concen: 53.601 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076449.D

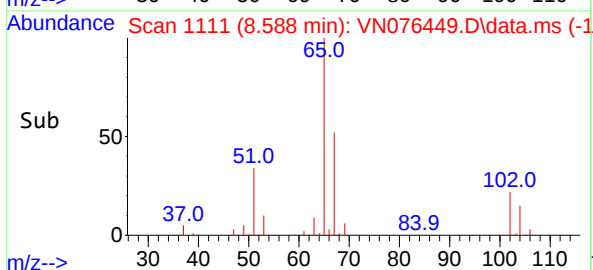
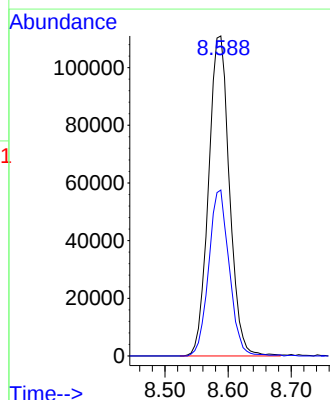
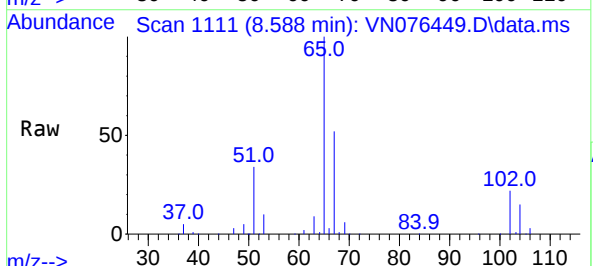
Acq: 30 Jan 2023 11:55

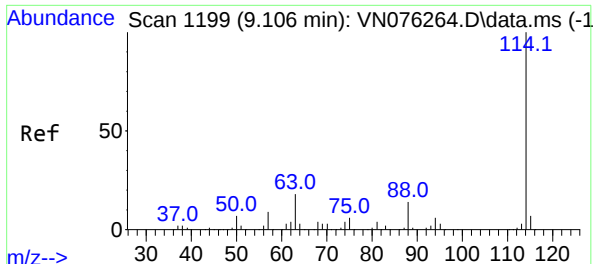
Tgt Ion: 65 Resp: 255329

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.6

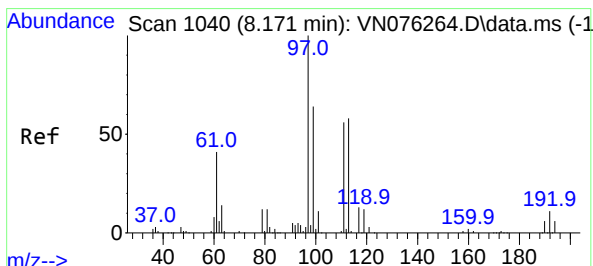
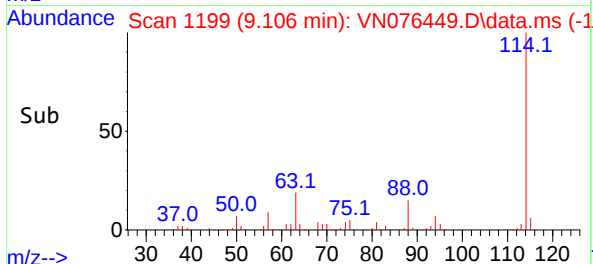
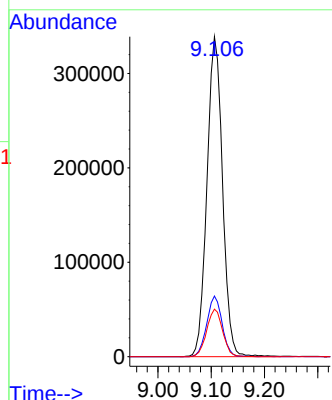
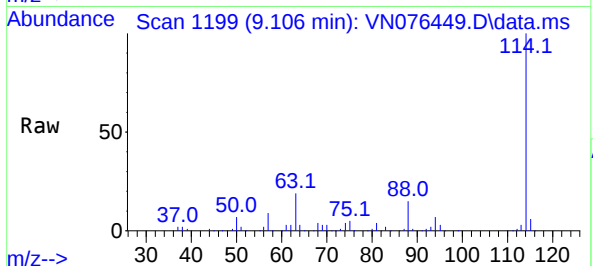




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1199  
Delta R.T. -0.000 min  
Lab File: VN076449.D  
Acq: 30 Jan 2023 11:55

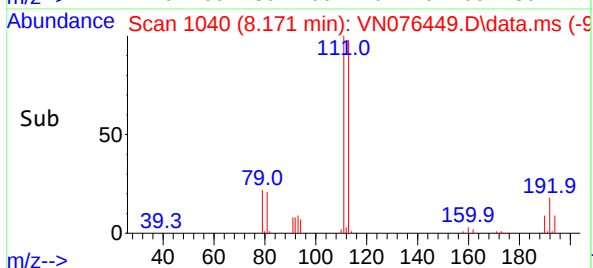
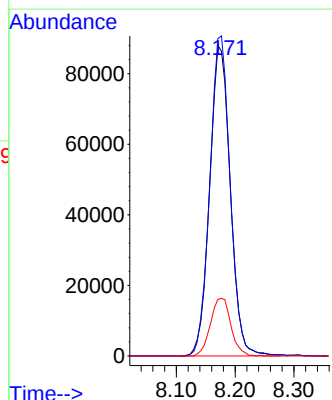
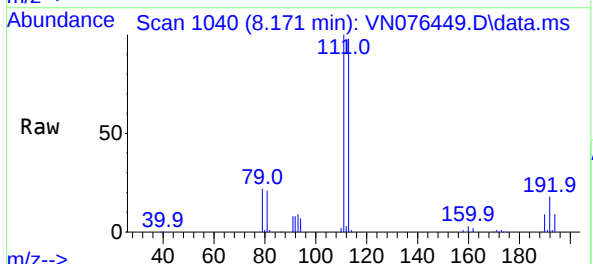
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0130WBL01

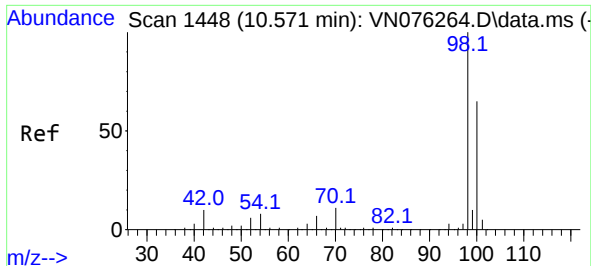
Tgt Ion:114 Resp: 688481  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 35.8  
88 14.8 0.0 28.0



#35  
Dibromofluoromethane  
Concen: 49.919 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VN076449.D  
Acq: 30 Jan 2023 11:55

Tgt Ion:113 Resp: 214987  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.7 124.1  
192 18.4 15.6 23.4

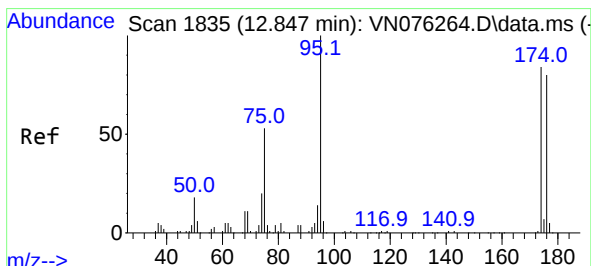
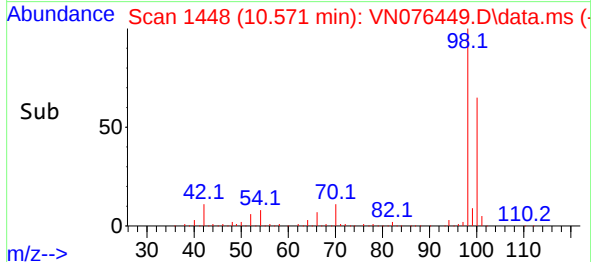
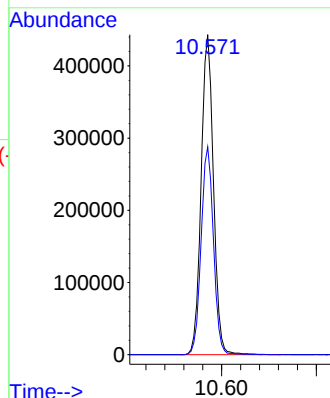
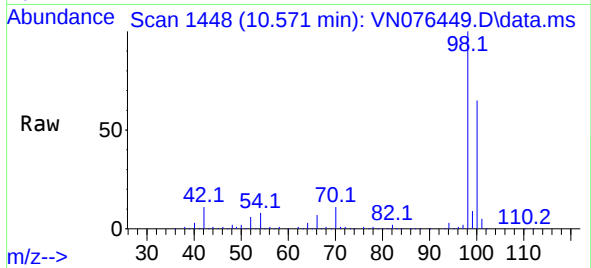




#50  
Toluene-d8  
Concen: 50.213 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076449.D  
Acq: 30 Jan 2023 11:55

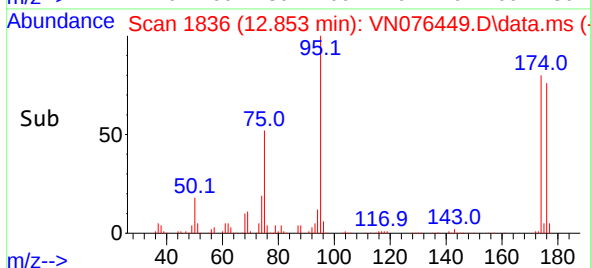
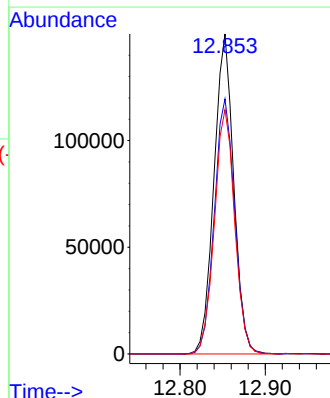
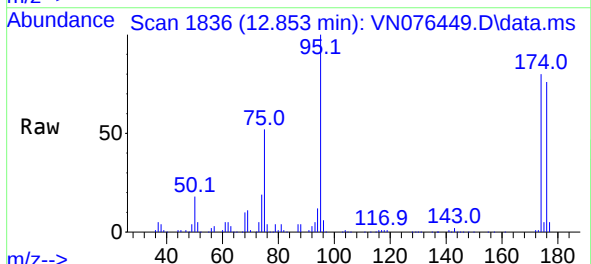
Instrument :  
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ClientSampleId :  
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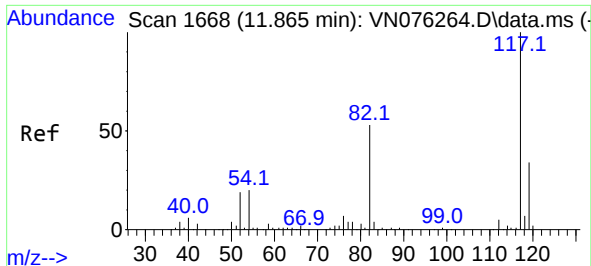
Tgt Ion: 98 Resp: 798654  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.2 78.4



#62  
4-Bromofluorobenzene  
Concen: 46.570 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN076449.D  
Acq: 30 Jan 2023 11:55

Tgt Ion: 95 Resp: 241806  
Ion Ratio Lower Upper  
95 100  
174 82.5 0.0 174.6  
176 78.4 0.0 167.8

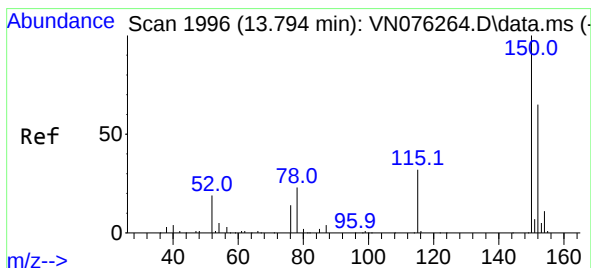
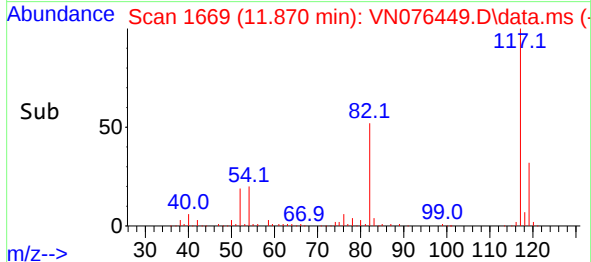
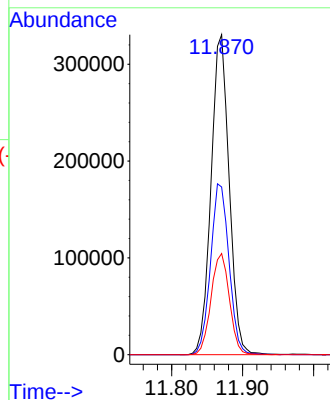
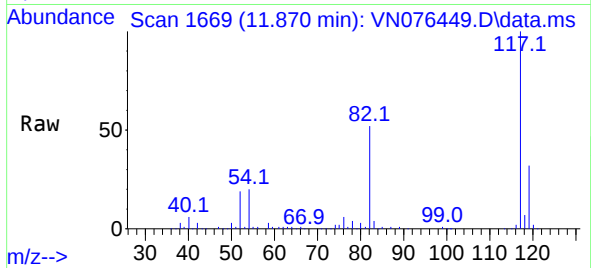




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VN076449.D  
Acq: 30 Jan 2023 11:55

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0130WBL01

Tgt Ion:117 Resp: 584978  
Ion Ratio Lower Upper  
117 100  
82 52.4 42.2 63.2  
119 31.6 26.9 40.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN076449.D  
Acq: 30 Jan 2023 11:55

Tgt Ion:152 Resp: 265225  
Ion Ratio Lower Upper  
152 100  
115 61.2 29.6 88.9  
150 157.8 0.0 351.4

