

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010523\  
 Data File : VN076107.D  
 Acq On : 05 Jan 2023 13:39  
 Operator : JC\MD  
 Sample : 01031-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-01-010423

Quant Time: Jan 05 23:48:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 310092   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 489362   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.871 | 117   | 418934   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 175311   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 159738   | 47.351   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 94.700%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 146187   | 48.238   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 96.480%  |
| 50) Toluene-d8              | 10.571 | 98    | 566899   | 50.031   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 100.060% |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 168641   | 44.936   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 89.880%  |

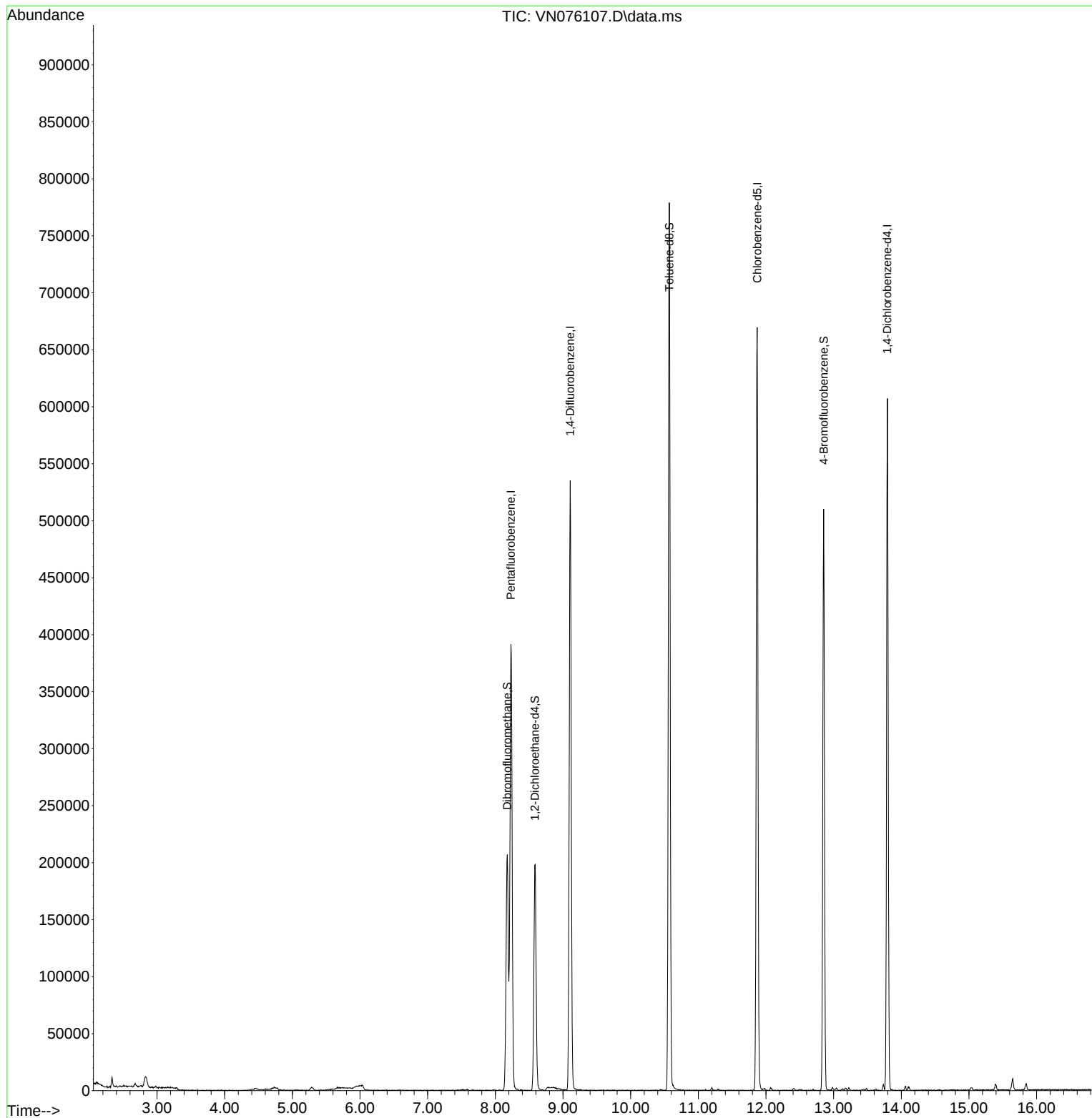
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

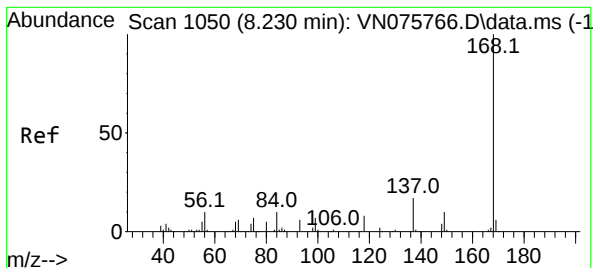
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

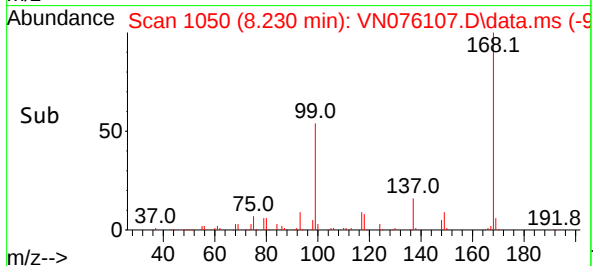
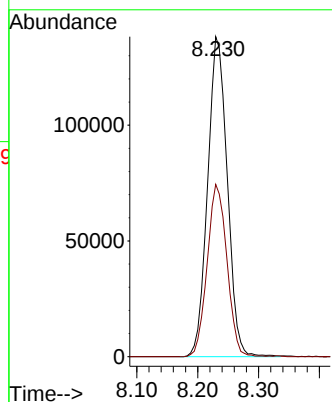
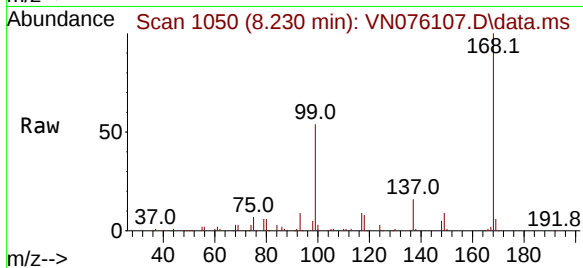




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VN076107.D  
Acq: 05 Jan 2023 13:39

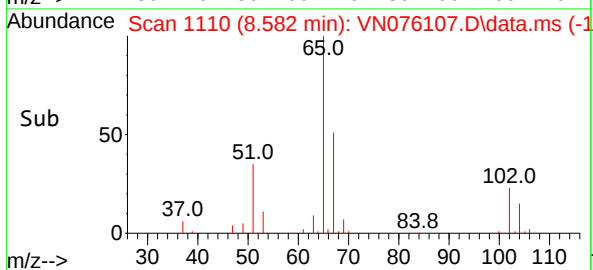
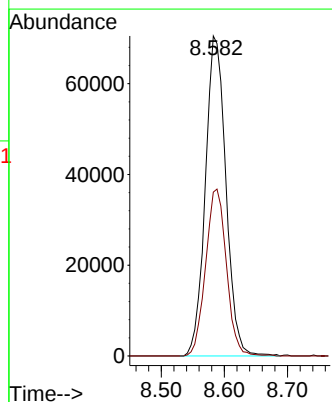
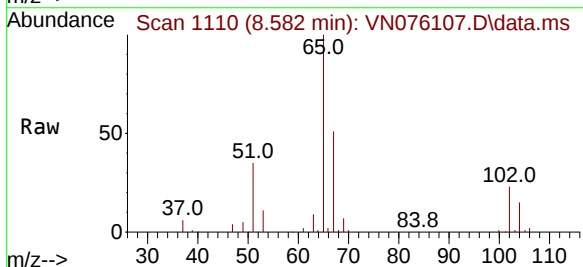
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-010423

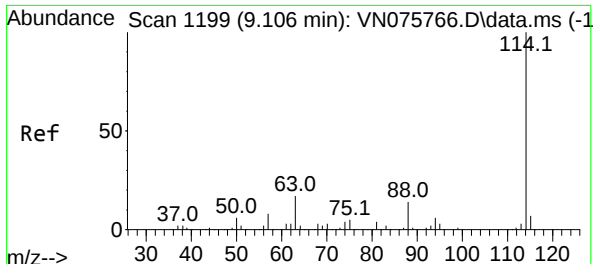
Tgt Ion:168 Resp: 310092  
Ion Ratio Lower Upper  
168 100  
99 53.9 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 47.351 ug/l  
RT: 8.582 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VN076107.D  
Acq: 05 Jan 2023 13:39

Tgt Ion: 65 Resp: 159738  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076107.D

Acq: 05 Jan 2023 13:39

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-010423

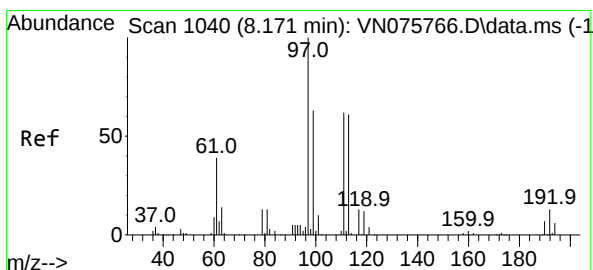
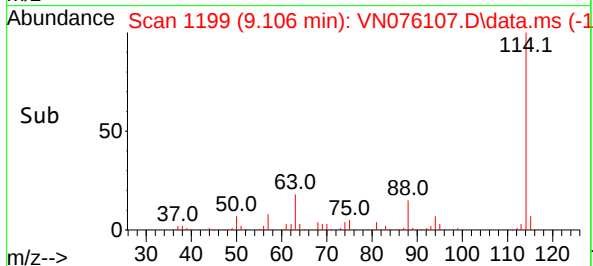
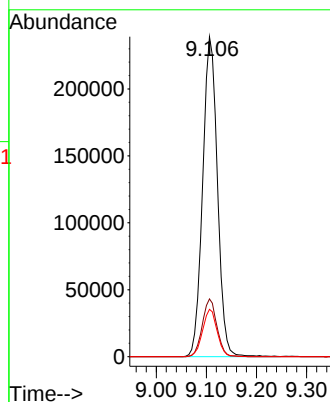
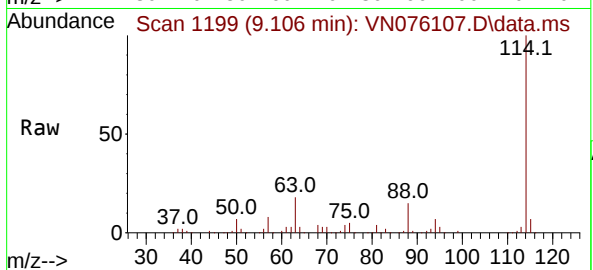
Tgt Ion:114 Resp: 489362

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.238 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076107.D

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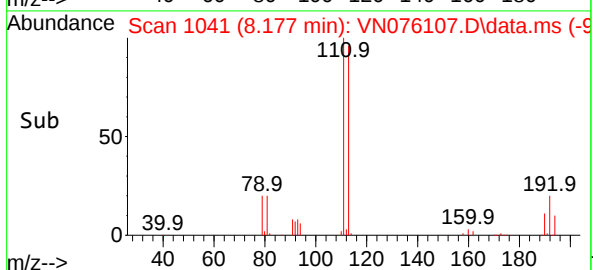
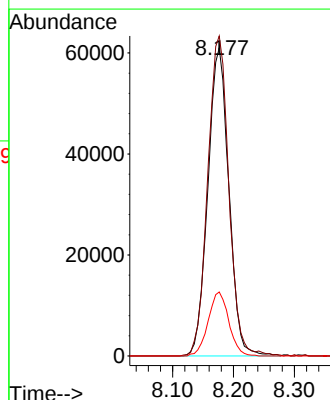
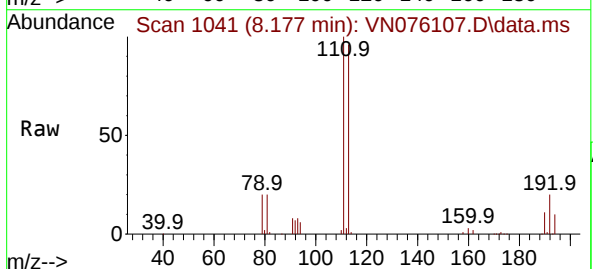
Tgt Ion:113 Resp: 146187

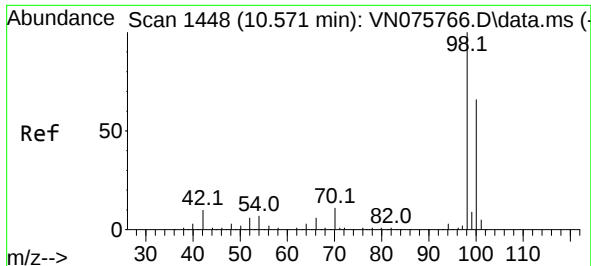
Ion Ratio Lower Upper

113 100

111 104.6 83.4 125.2

192 20.4 16.1 24.1

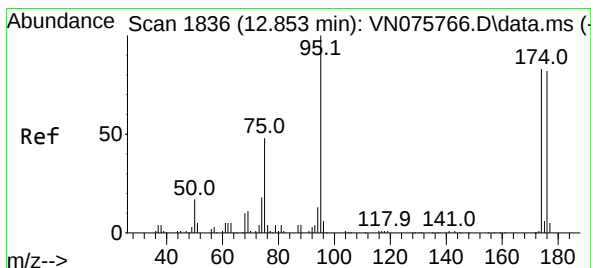
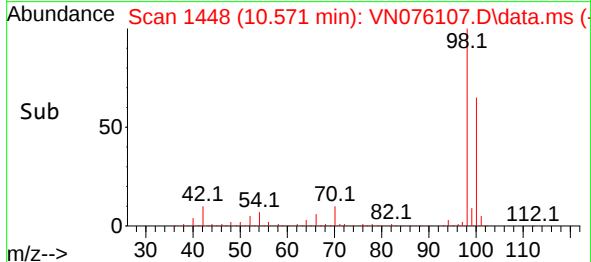
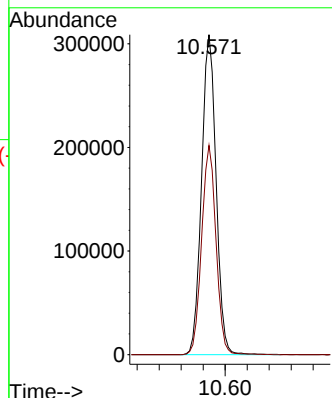
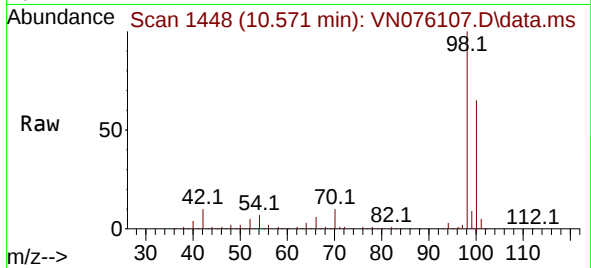




#50  
Toluene-d8  
Concen: 50.031 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VN076107.D  
Acq: 05 Jan 2023 13:39

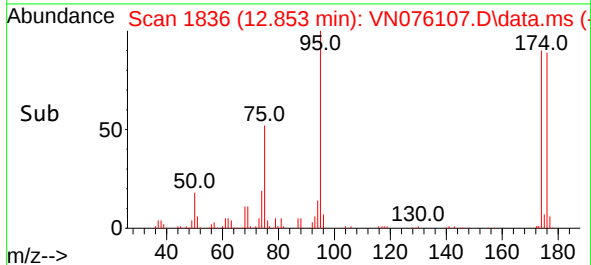
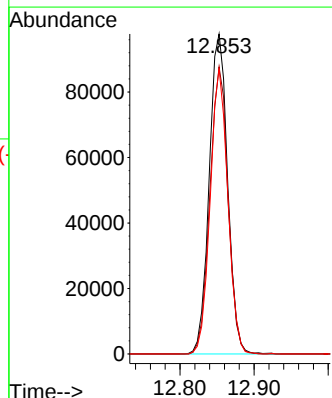
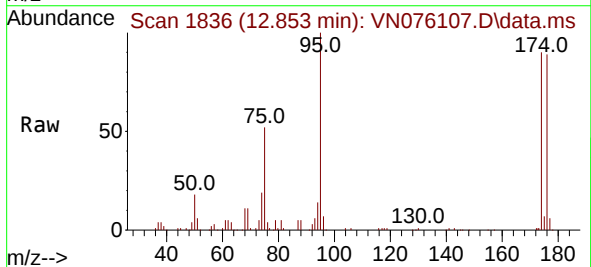
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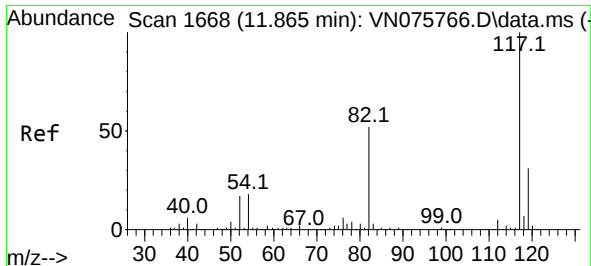
Tgt Ion: 98 Resp: 566899  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 44.936 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VN076107.D  
Acq: 05 Jan 2023 13:39

Tgt Ion: 95 Resp: 168641  
Ion Ratio Lower Upper  
95 100  
174 88.3 0.0 171.6  
176 85.2 0.0 169.2

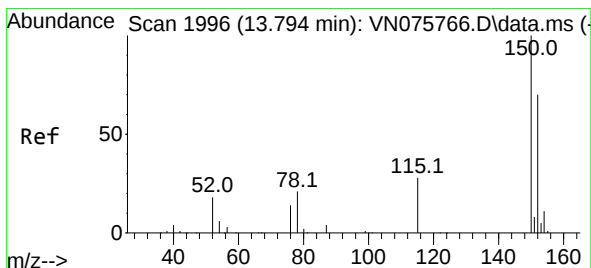
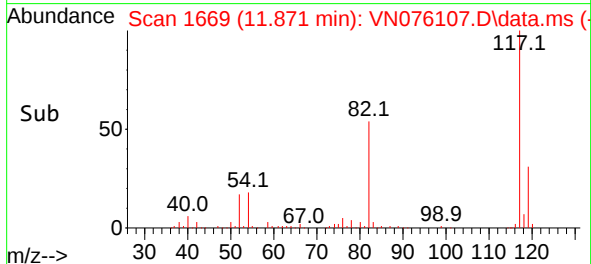
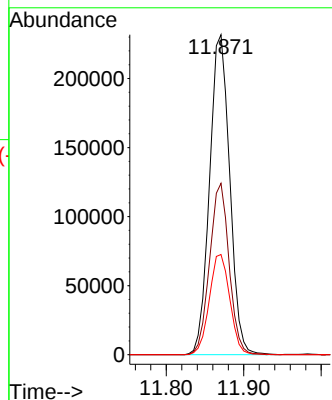
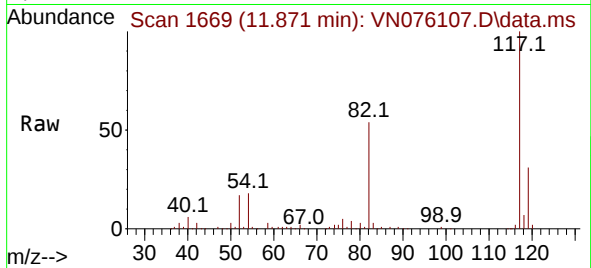




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN076107.D  
Acq: 05 Jan 2023 13:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-010423

Tgt Ion:117 Resp: 418934  
Ion Ratio Lower Upper  
117 100  
82 53.5 41.3 61.9  
119 31.3 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: VN076107.D  
Acq: 05 Jan 2023 13:39

Tgt Ion:152 Resp: 175311  
Ion Ratio Lower Upper  
152 100  
115 55.7 29.1 87.4  
150 154.8 0.0 347.0

