

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120822\  
 Data File : VN075643.D  
 Acq On : 08 Dec 2022 13:20  
 Operator : JC\MD  
 Sample : N5944-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-01-120722

Quant Time: Dec 09 02:06:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 181340   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 291276   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 249993   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 114203   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 46610    | 47.883   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.760%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 59234    | 51.768   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.540% |
| 50) Toluene-d8              | 10.571 | 98    | 121768   | 47.250   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 94.500%  |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 87550    | 46.026   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 92.060%  |

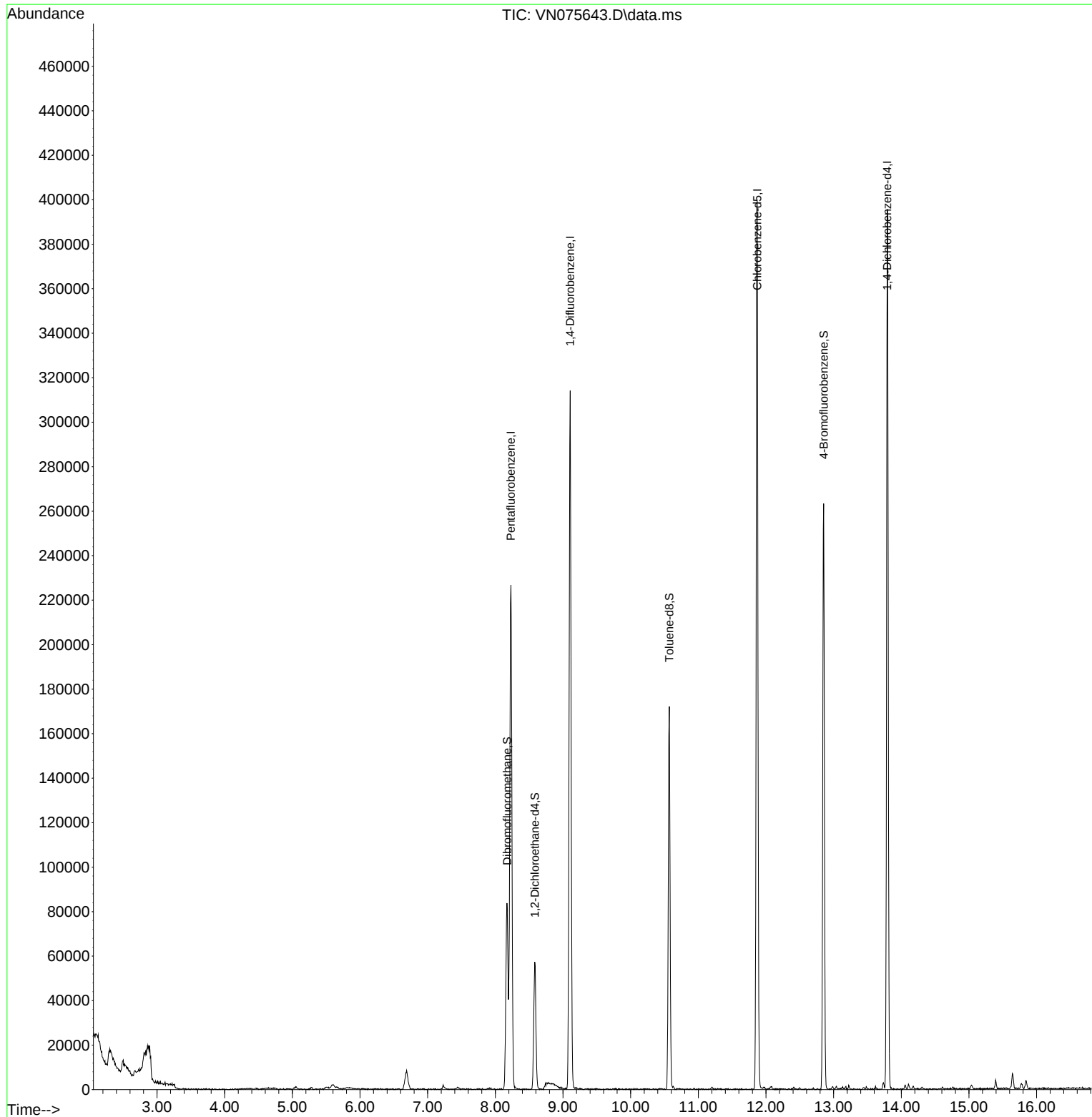
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

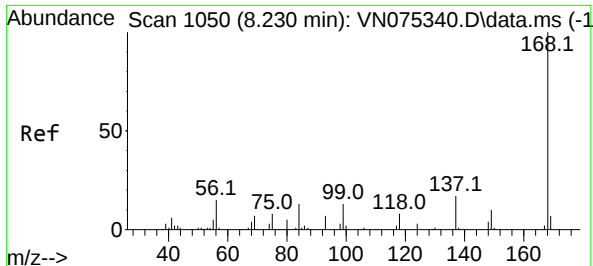
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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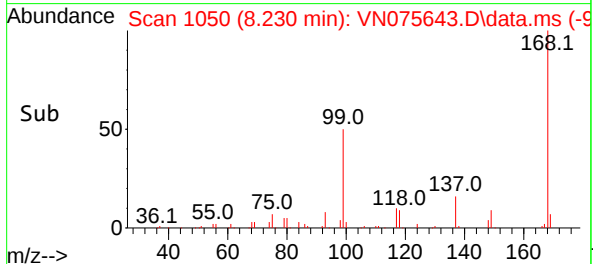
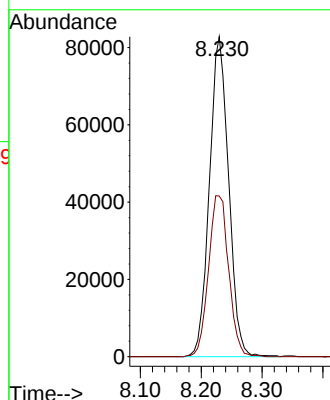
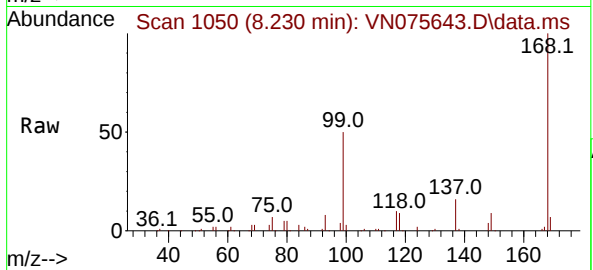




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VN075643.D  
Acq: 08 Dec 2022 13:20

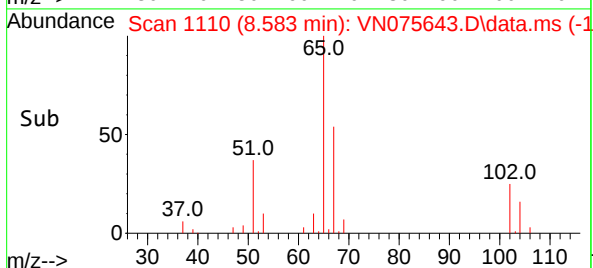
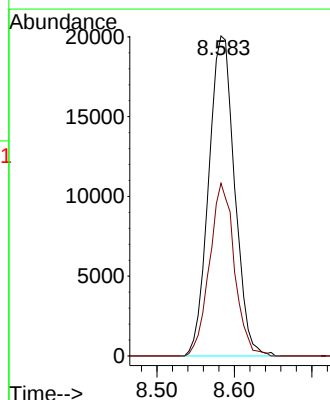
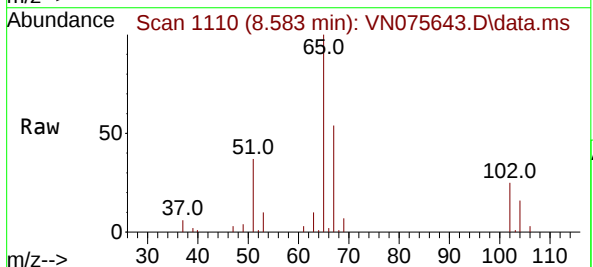
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-120722

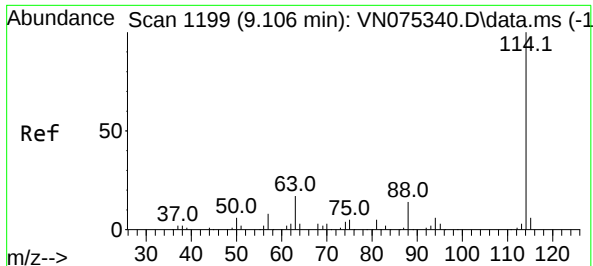
Tgt Ion:168 Resp: 181340  
Ion Ratio Lower Upper  
168 100  
99 50.2 51.6 77.4#



#33  
1,2-Dichloroethane-d4  
Concen: 47.883 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VN075643.D  
Acq: 08 Dec 2022 13:20

Tgt Ion: 65 Resp: 46610  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075643.D

Acq: 08 Dec 2022 13:20

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-120722

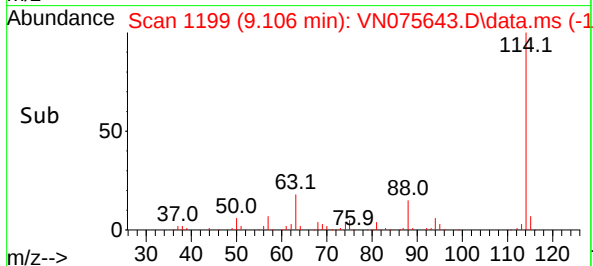
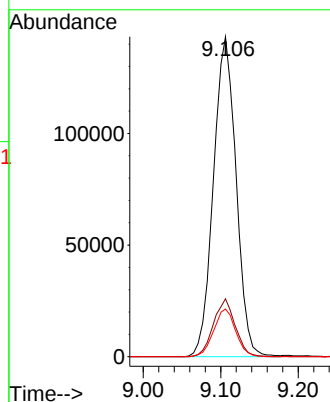
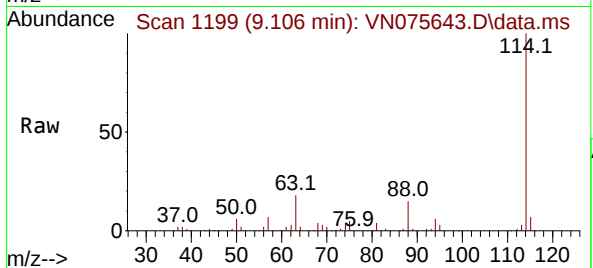
Tgt Ion:114 Resp: 291276

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.768 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075643.D

Acq: 08 Dec 2022 13:20

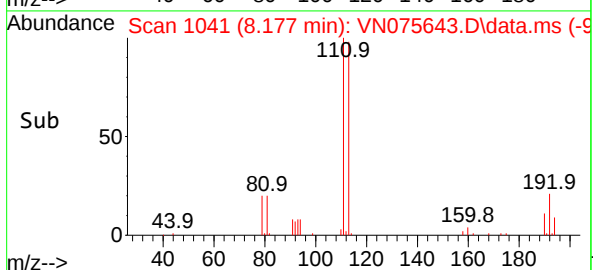
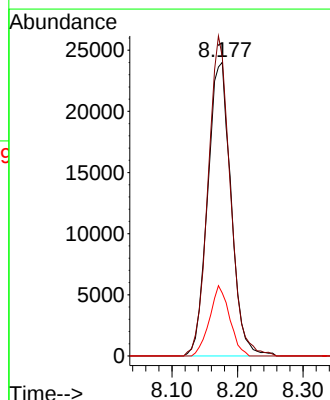
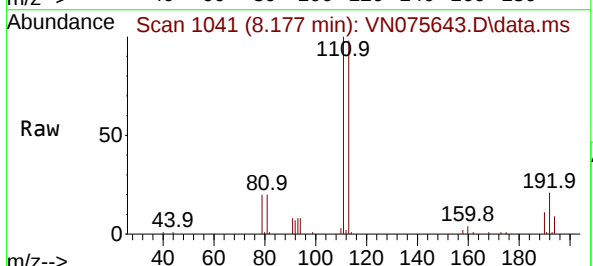
Tgt Ion:113 Resp: 59234

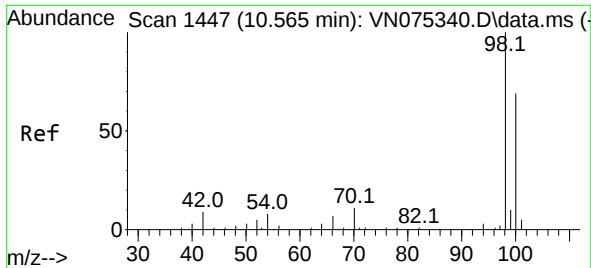
Ion Ratio Lower Upper

113 100

111 103.4 80.5 120.7

192 20.6 13.2 19.8#

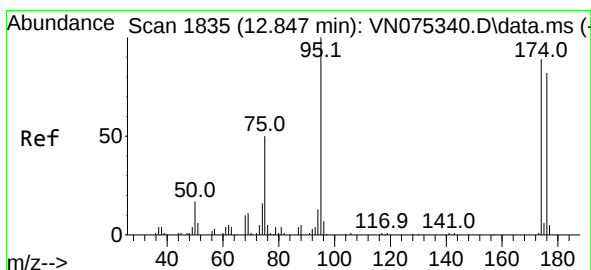
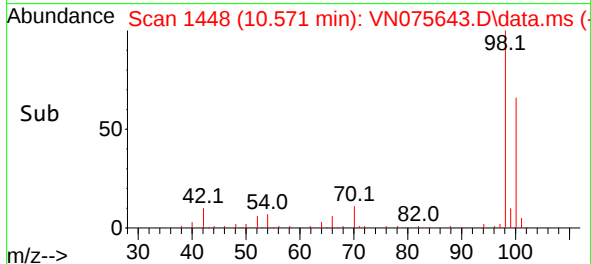
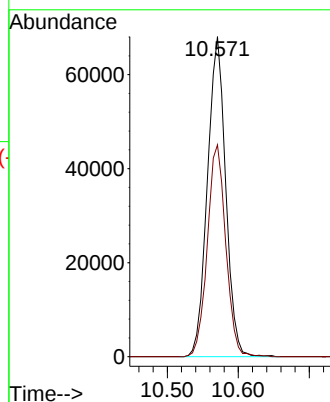
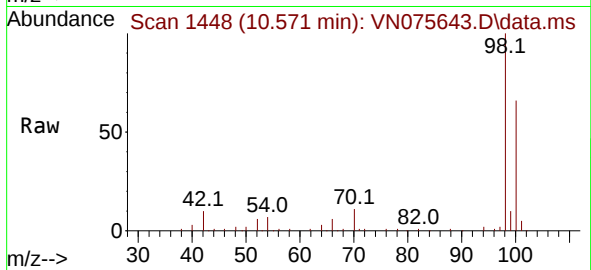




#50  
Toluene-d8  
Concen: 47.250 ug/l  
RT: 10.571 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VN075643.D  
Acq: 08 Dec 2022 13:20

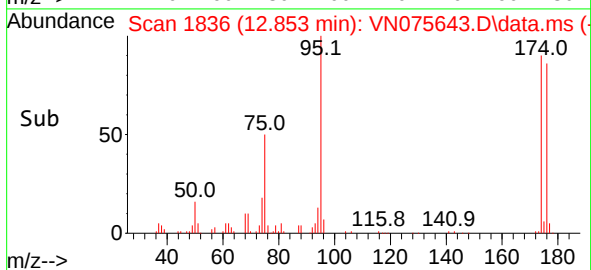
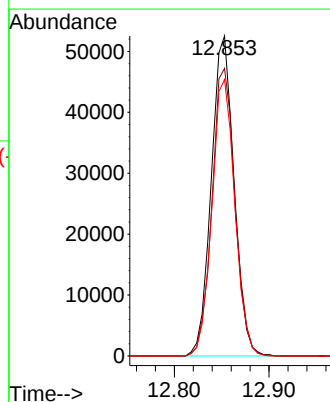
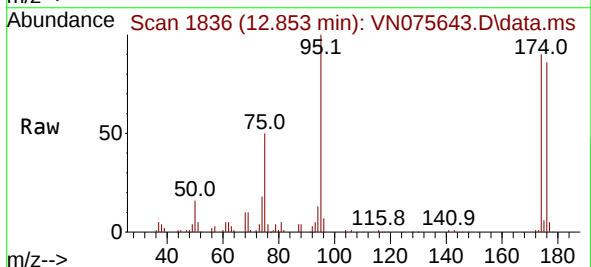
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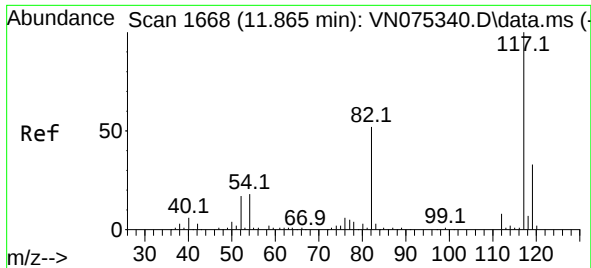
Tgt Ion: 98 Resp: 121768  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 46.026 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.006 min  
Lab File: VN075643.D  
Acq: 08 Dec 2022 13:20

Tgt Ion: 95 Resp: 87550  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 147.4  
176 86.9 0.0 142.2

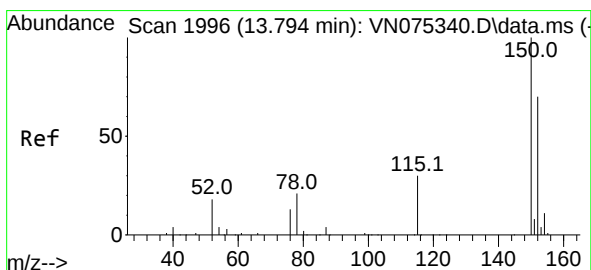
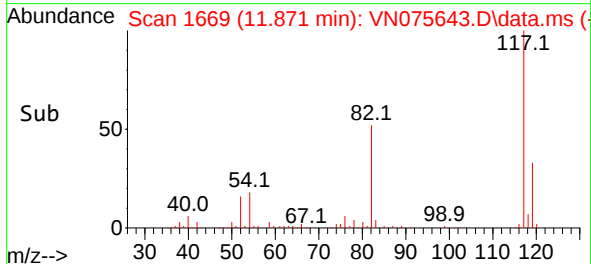
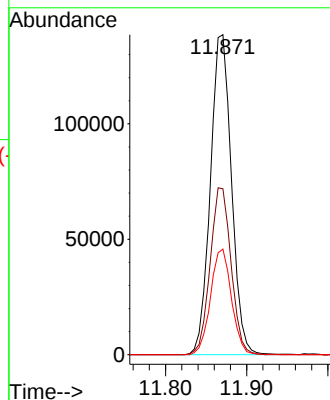
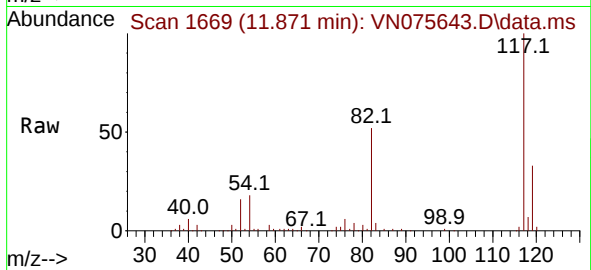




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN075643.D  
Acq: 08 Dec 2022 13:20

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-120722

Tgt Ion:117 Resp: 249993  
Ion Ratio Lower Upper  
117 100  
82 51.8 43.1 64.7  
119 33.0 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075643.D  
Acq: 08 Dec 2022 13:20

Tgt Ion:152 Resp: 114203  
Ion Ratio Lower Upper  
152 100  
115 57.0 30.2 90.6  
150 155.6 0.0 348.4

