

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112922\  
 Data File : VN075472.D  
 Acq On : 29 Nov 2022 13:39  
 Operator : JC\MD  
 Sample : N5793-05  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-2022-11-28

Quant Time: Nov 30 02:27:11 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   | 122877   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 211247   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 176718   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 69752    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 34013    | 51.567   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 103.140% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 40817    | 49.186   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 98.380%  |
| 50) Toluene-d8              | 10.571 | 98    | 81411    | 43.557   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 87.120%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 59980    | 43.478   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 86.960%  |

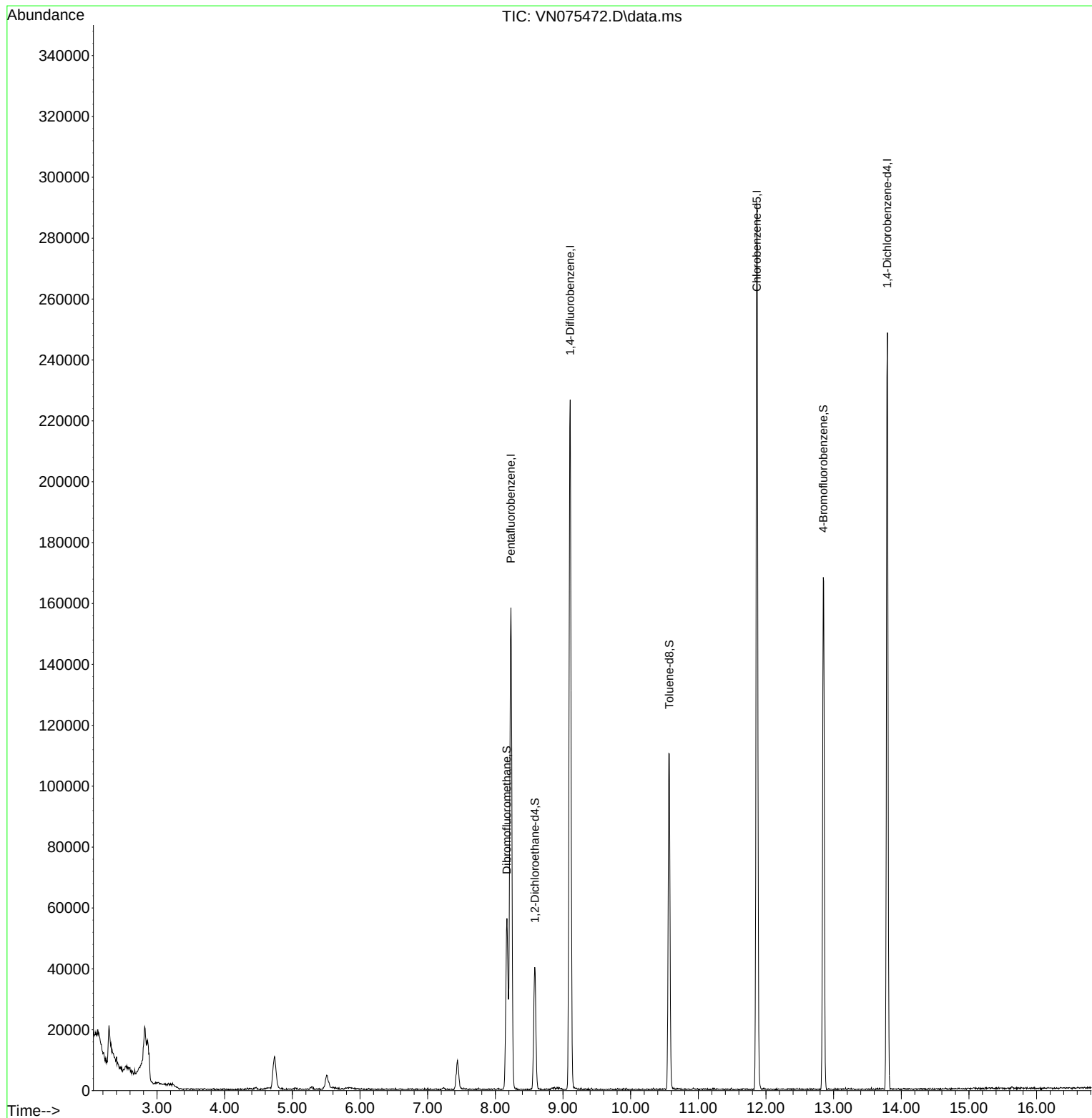
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

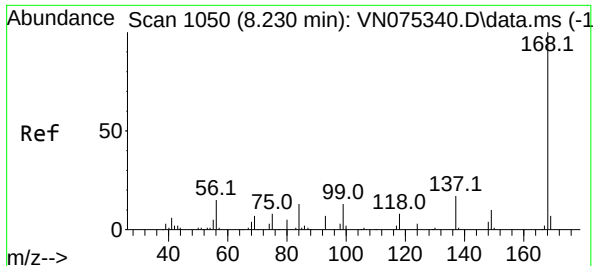
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

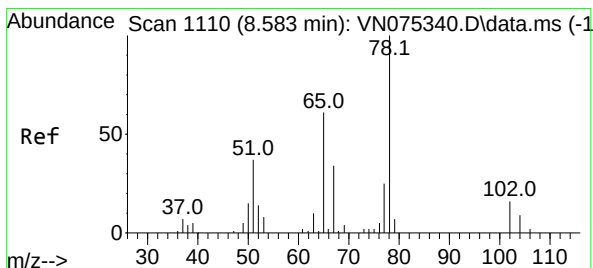
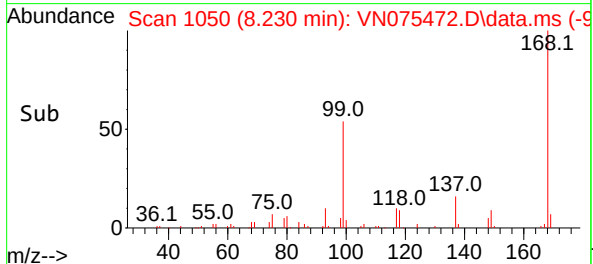
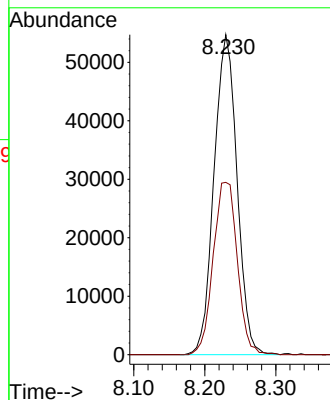
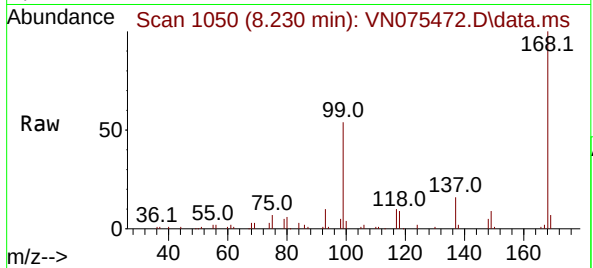




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VN075472.D  
Acq: 29 Nov 2022 13:39

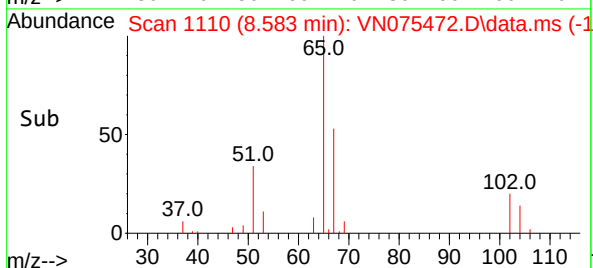
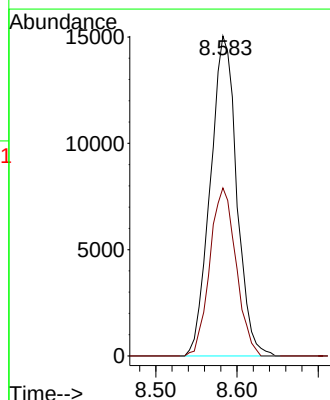
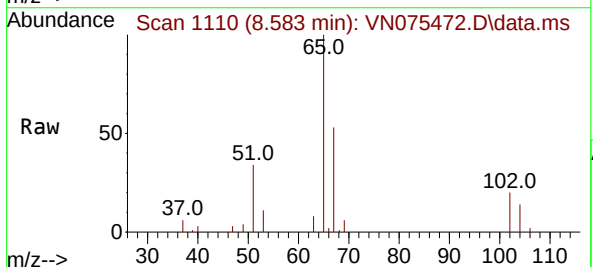
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-2022-11-28

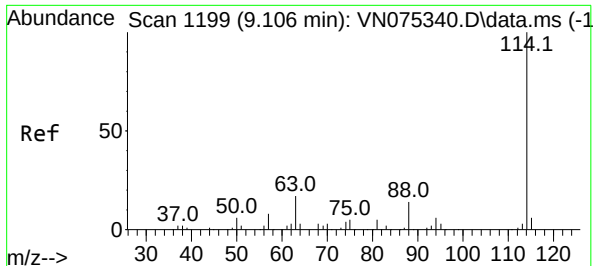
Tgt Ion:168 Resp: 122877  
Ion Ratio Lower Upper  
168 100  
99 53.9 51.6 77.4



#33  
1,2-Dichloroethane-d4  
Concen: 51.567 ug/l  
RT: 8.583 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VN075472.D  
Acq: 29 Nov 2022 13:39

Tgt Ion: 65 Resp: 34013  
Ion Ratio Lower Upper  
65 100  
67 52.1 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: VN075472.D

Acq: 29 Nov 2022 13:39

Instrument :

MSVOA\_N

ClientSampleId :

TB-2022-11-28

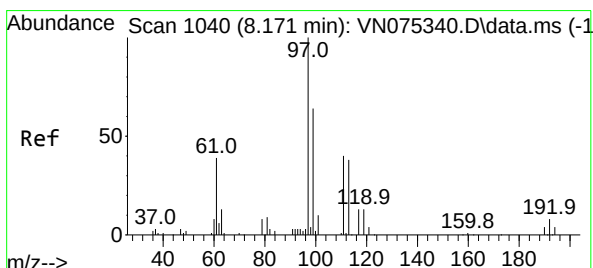
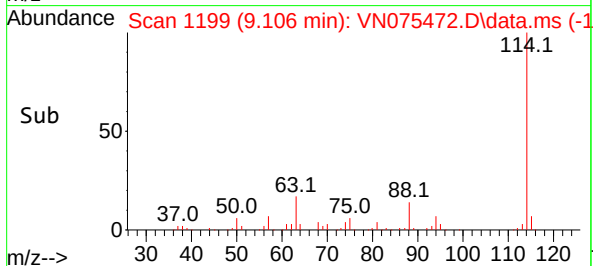
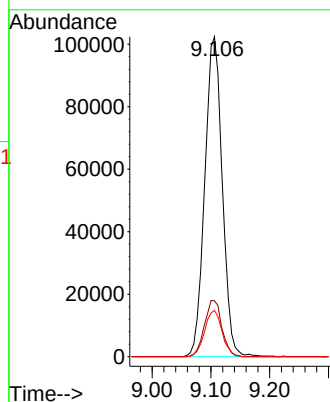
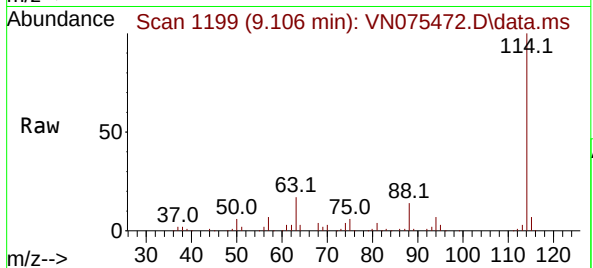
Tgt Ion:114 Resp: 211247

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 14.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.186 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075472.D

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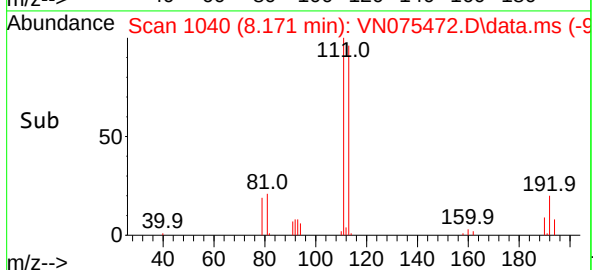
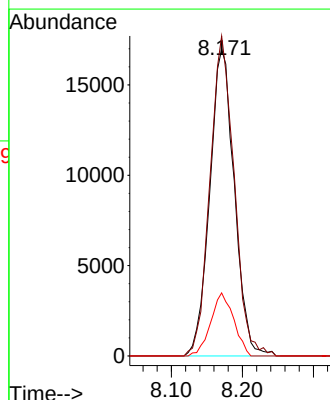
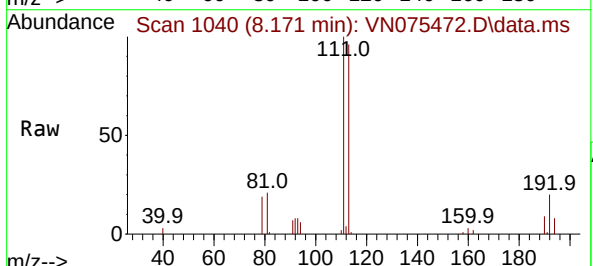
Tgt Ion:113 Resp: 40817

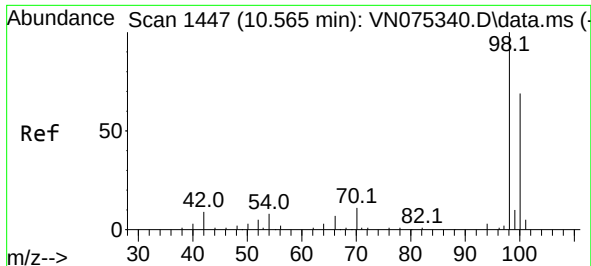
Ion Ratio Lower Upper

113 100

111 102.5 80.5 120.7

192 19.2 13.2 19.8

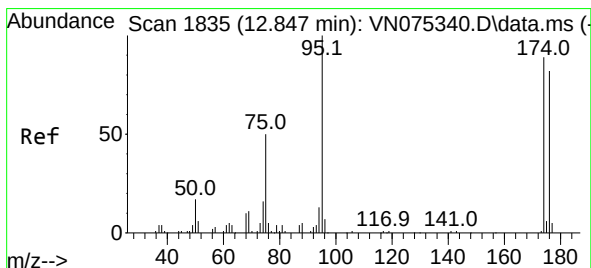
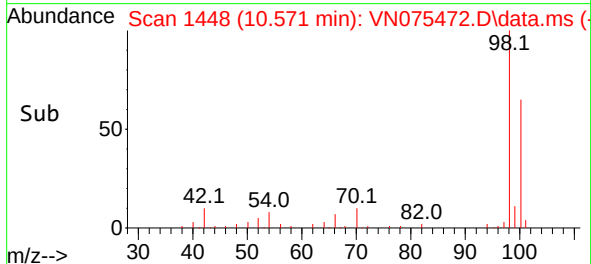
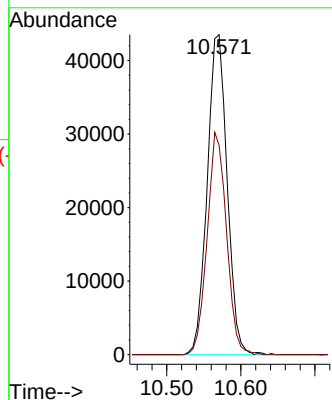
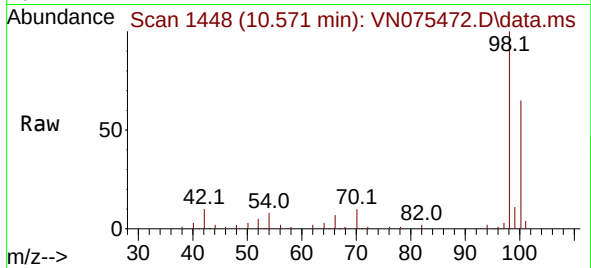




#50  
Toluene-d8  
Concen: 43.557 ug/l  
RT: 10.571 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: VN075472.D  
Acq: 29 Nov 2022 13:39

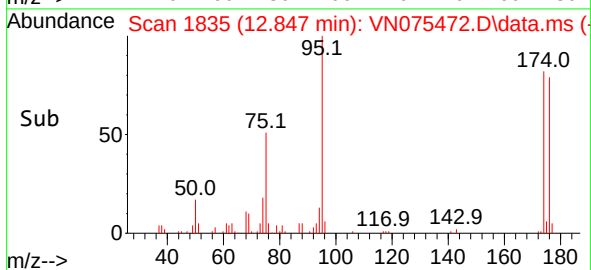
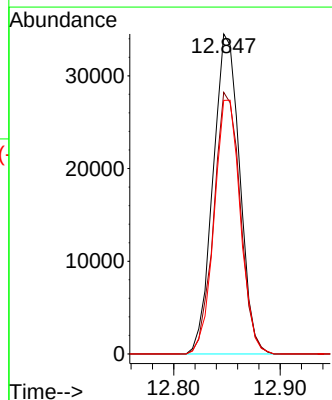
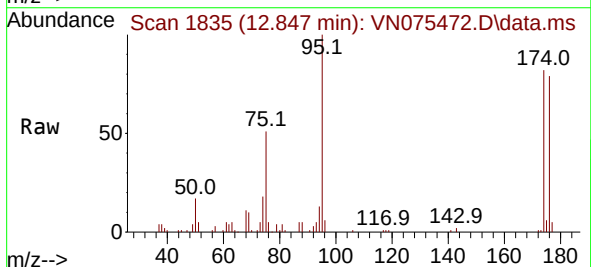
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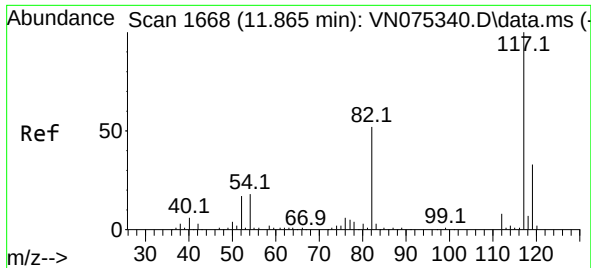
Tgt Ion: 98 Resp: 81411  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.0 79.6



#62  
4-Bromofluorobenzene  
Concen: 43.478 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. -0.000 min  
Lab File: VN075472.D  
Acq: 29 Nov 2022 13:39

Tgt Ion: 95 Resp: 59980  
Ion Ratio Lower Upper  
95 100  
174 81.0 0.0 147.4  
176 77.8 0.0 142.2

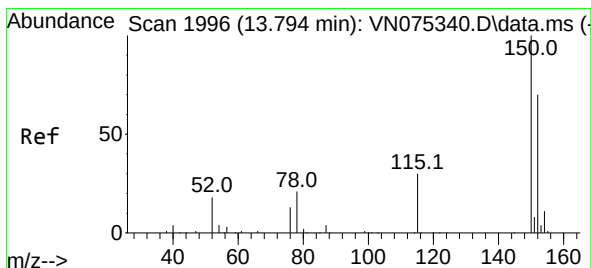
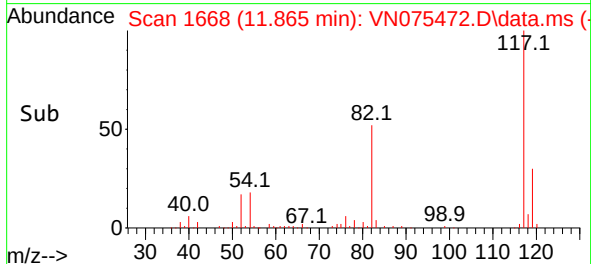
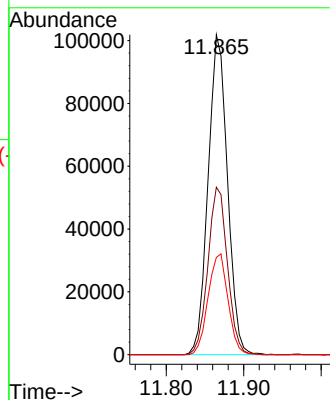
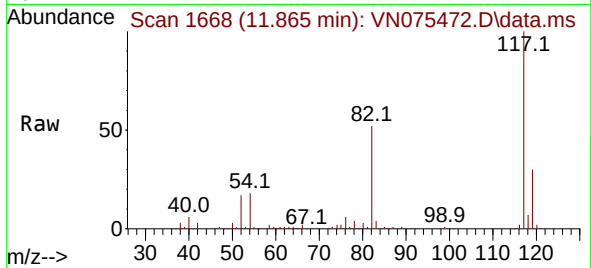




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN075472.D  
Acq: 29 Nov 2022 13:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-2022-11-28

Tgt Ion:117 Resp: 176718  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.1 64.7  
119 30.4 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: VN075472.D  
Acq: 29 Nov 2022 13:39

Tgt Ion:152 Resp: 69752  
Ion Ratio Lower Upper  
152 100  
115 58.7 30.2 90.6  
150 158.1 0.0 348.4

