

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022423\  
 Data File : VN076808.D  
 Acq On : 24 Feb 2023 14:38  
 Operator : JC\MD  
 Sample : 01639-01  
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TR-05-02212023

Quant Time: Feb 24 14:55:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.225  | 168  | 278365   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.101  | 114  | 504048   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 408428   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 143694   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.578  | 65    | 193219   | 50.268   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 100.540% |
| 35) Dibromofluoromethane    | 8.166  | 113   | 148670   | 45.039   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 90.080%  |
| 50) Toluene-d8              | 10.566 | 98    | 589007   | 47.780   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 95.560%  |
| 62) 4-Bromofluorobenzene    | 12.848 | 95    | 153166   | 37.514   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 75.020%# |

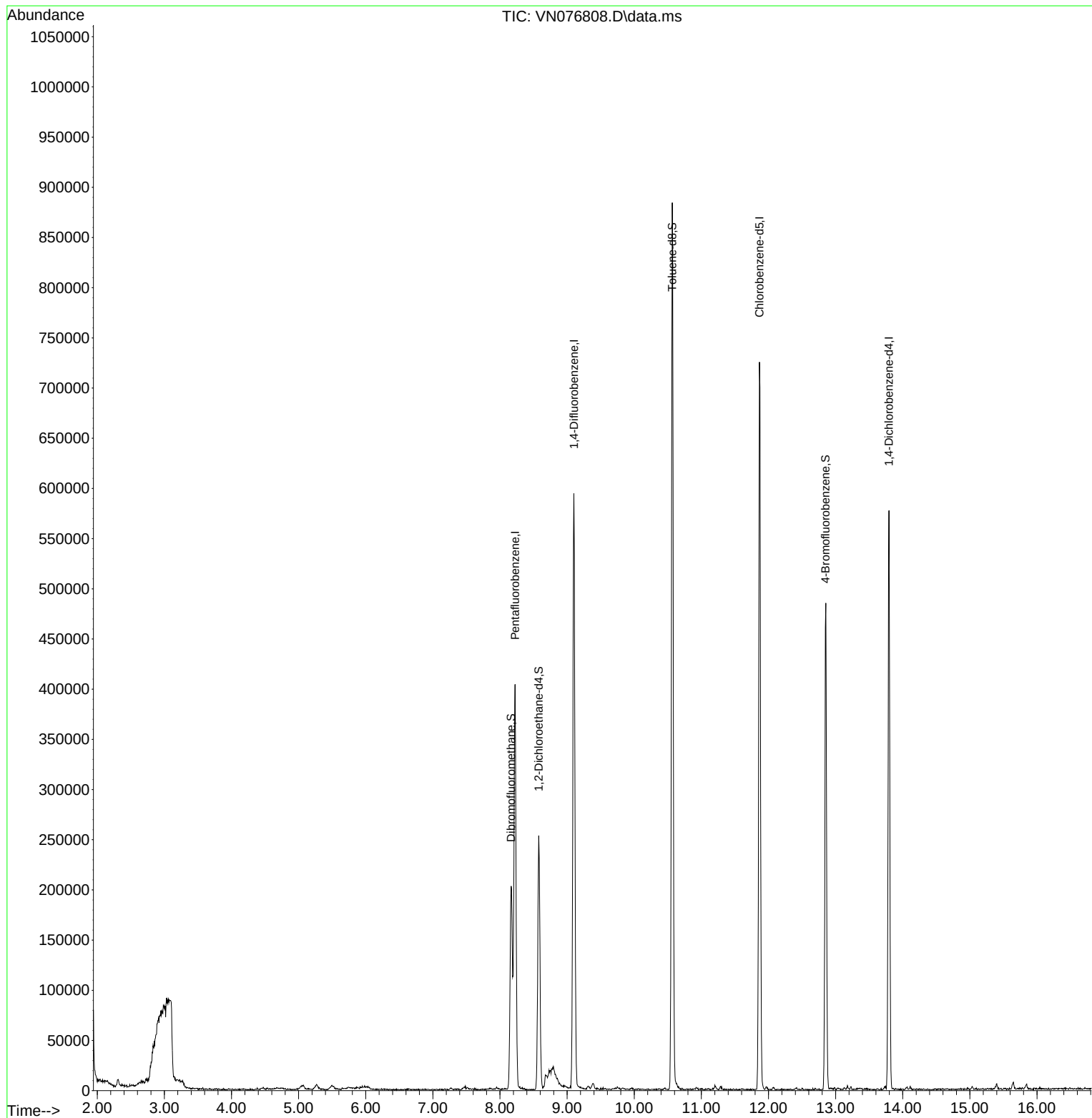
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

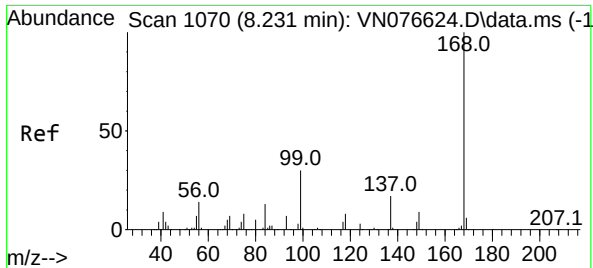
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 14 01:44:47 2023  
Response via : Initial Calibration

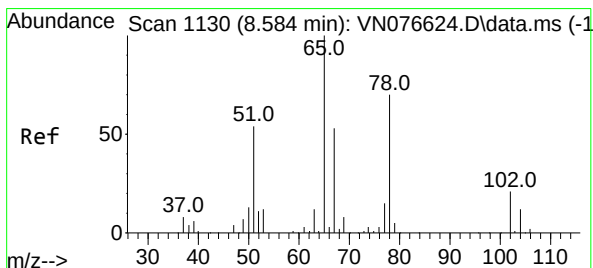
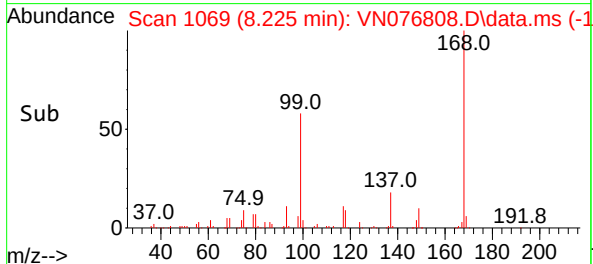
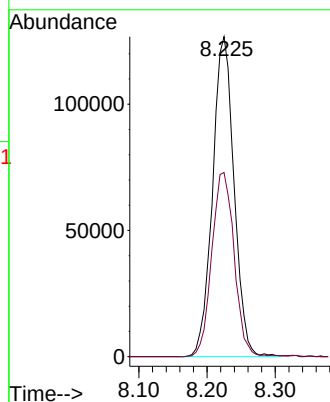
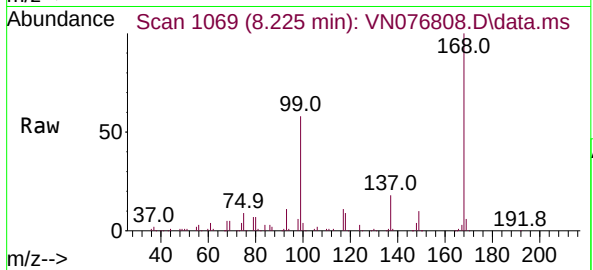




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.225 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VN076808.D  
Acq: 24 Feb 2023 14:38

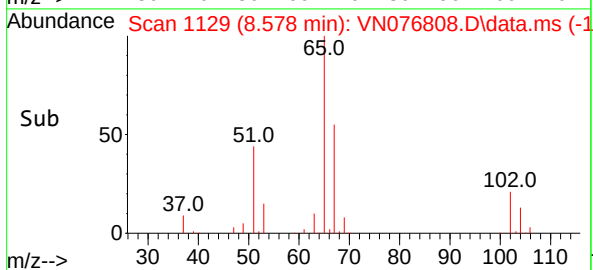
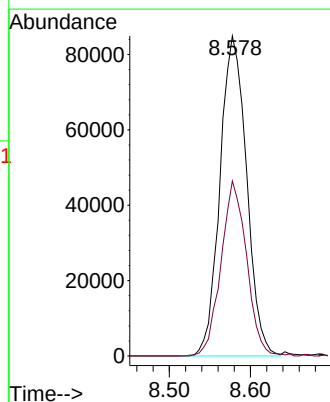
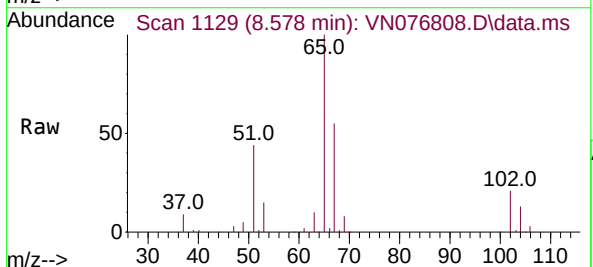
Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-05-02212023

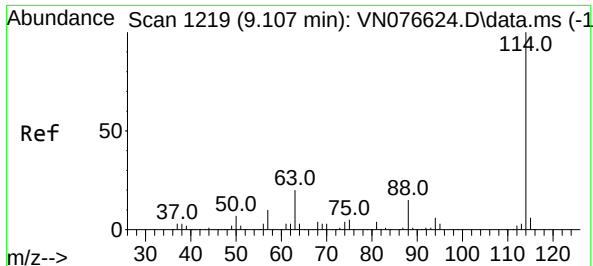
Tgt Ion:168 Resp: 278365  
Ion Ratio Lower Upper  
168 100  
99 57.6 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 50.268 ug/l  
RT: 8.578 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VN076808.D  
Acq: 24 Feb 2023 14:38

Tgt Ion: 65 Resp: 193219  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN076808.D

Acq: 24 Feb 2023 14:38

Instrument :

MSVOA\_N

ClientSampleId :

TR-05-02212023

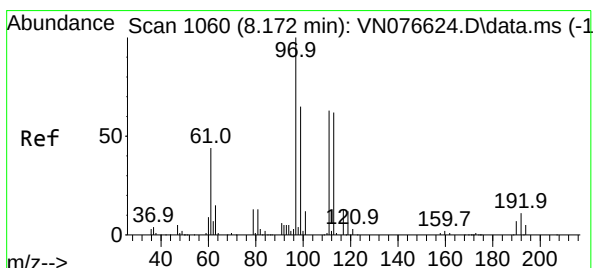
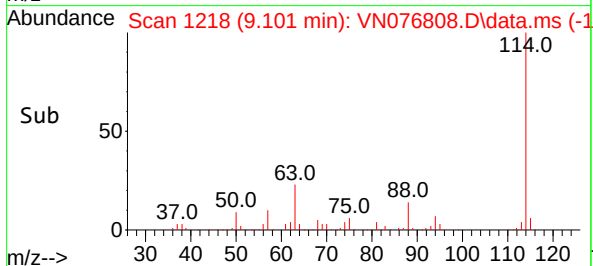
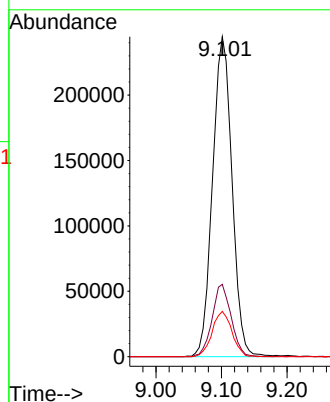
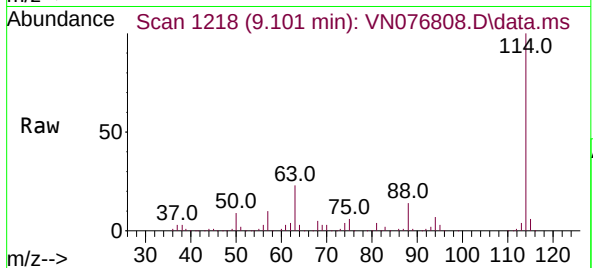
Tgt Ion:114 Resp: 504048

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

88 14.2 0.0 29.6



#35

Dibromofluoromethane

Concen: 45.039 ug/l

RT: 8.166 min Scan# 1059

Delta R.T. -0.006 min

Lab File: VN076808.D

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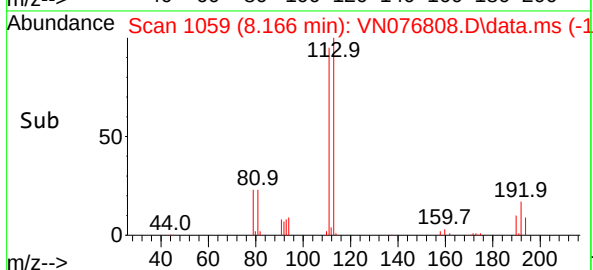
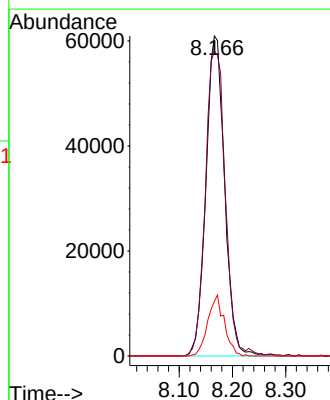
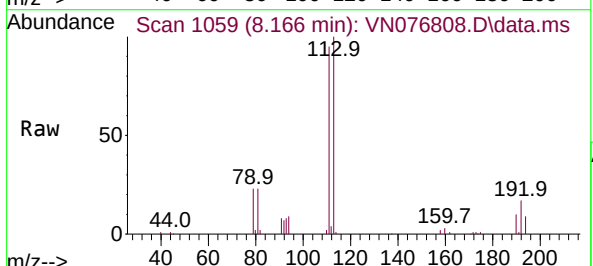
Tgt Ion:113 Resp: 148670

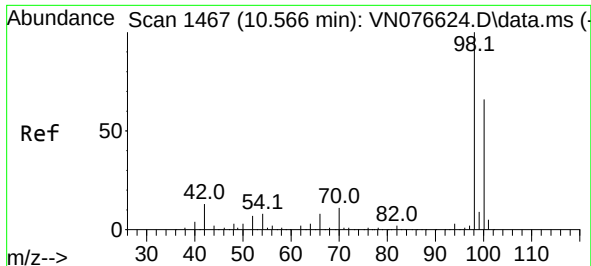
Ion Ratio Lower Upper

113 100

111 101.0 83.1 124.7

192 16.9 15.6 23.4

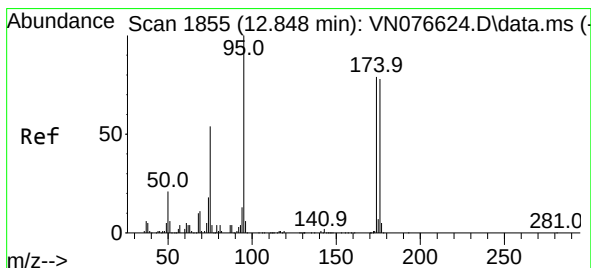
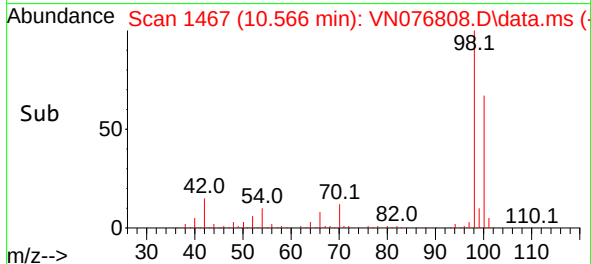
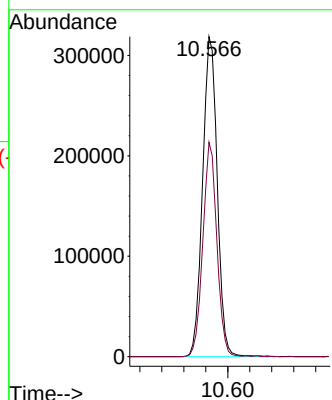
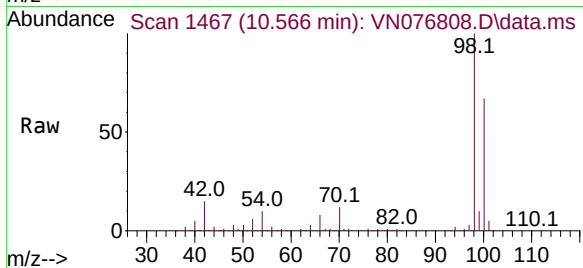




#50  
Toluene-d8  
Concen: 47.780 ug/l  
RT: 10.566 min Scan# 1467  
Delta R.T. -0.000 min  
Lab File: VN076808.D  
Acq: 24 Feb 2023 14:38

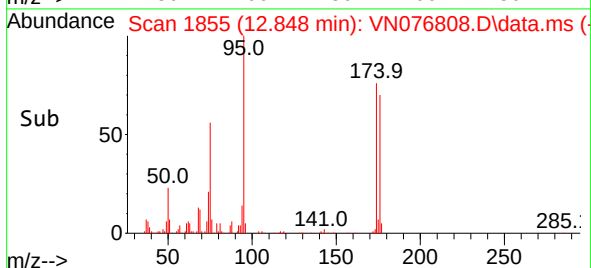
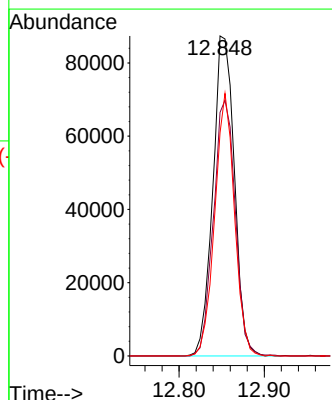
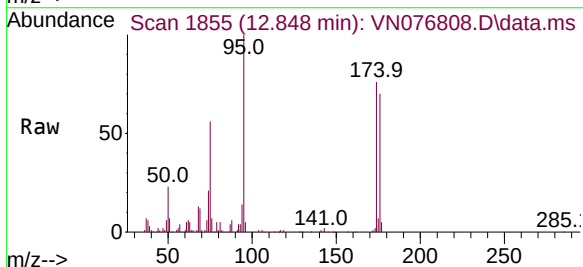
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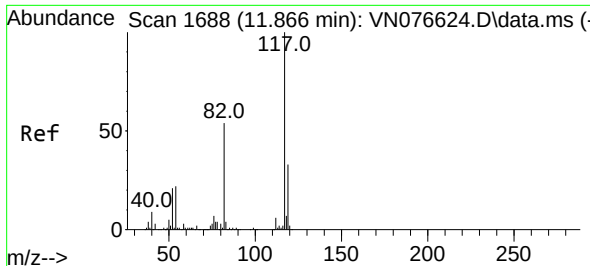
Tgt Ion: 98 Resp: 589007  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 37.514 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. 0.000 min  
Lab File: VN076808.D  
Acq: 24 Feb 2023 14:38

Tgt Ion: 95 Resp: 153166  
Ion Ratio Lower Upper  
95 100  
174 81.3 0.0 169.2  
176 75.4 0.0 163.4

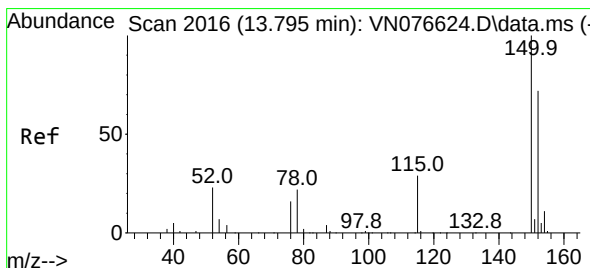
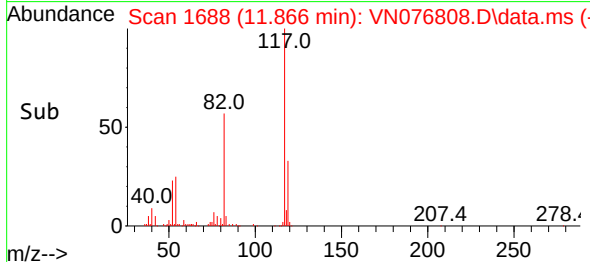
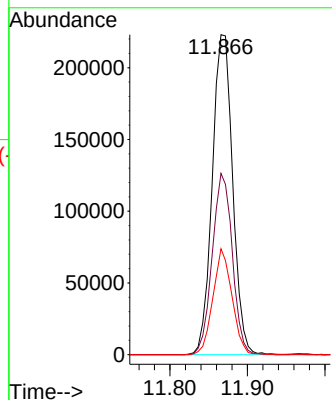
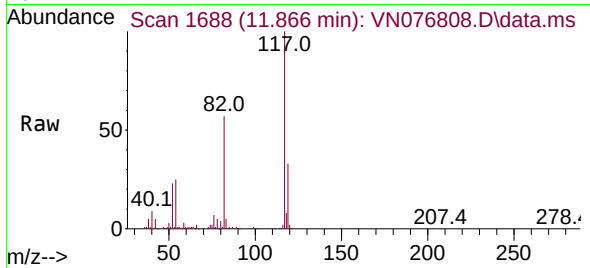




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VN076808.D  
Acq: 24 Feb 2023 14:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-05-02212023

Tgt Ion:117 Resp: 408428  
Ion Ratio Lower Upper  
117 100  
82 56.6 43.4 65.2  
119 33.1 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN076808.D  
Acq: 24 Feb 2023 14:38

Tgt Ion:152 Resp: 143694  
Ion Ratio Lower Upper  
152 100  
115 60.7 29.3 87.9  
150 153.3 0.0 349.8

