

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091922\  
 Data File : VN074577.D  
 Acq On : 19 Sep 2022 11:25  
 Operator : JC\MD  
 Sample : VN0919MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0919MBL01

Quant Time: Sep 20 04:18:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091522W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 19:20:33 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.016  | 168  | 252054   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.904  | 114  | 480054   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.686 | 117  | 467812   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.616 | 152  | 198967   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.369  | 65    | 207504   | 48.520   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.040%  |
| 35) Dibromofluoromethane    | 7.945  | 113   | 167055   | 52.386   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 104.780% |
| 50) Toluene-d8              | 10.381 | 98    | 608505   | 49.341   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.680%  |
| 62) 4-Bromofluorobenzene    | 12.675 | 95    | 223673   | 52.954   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 105.900% |

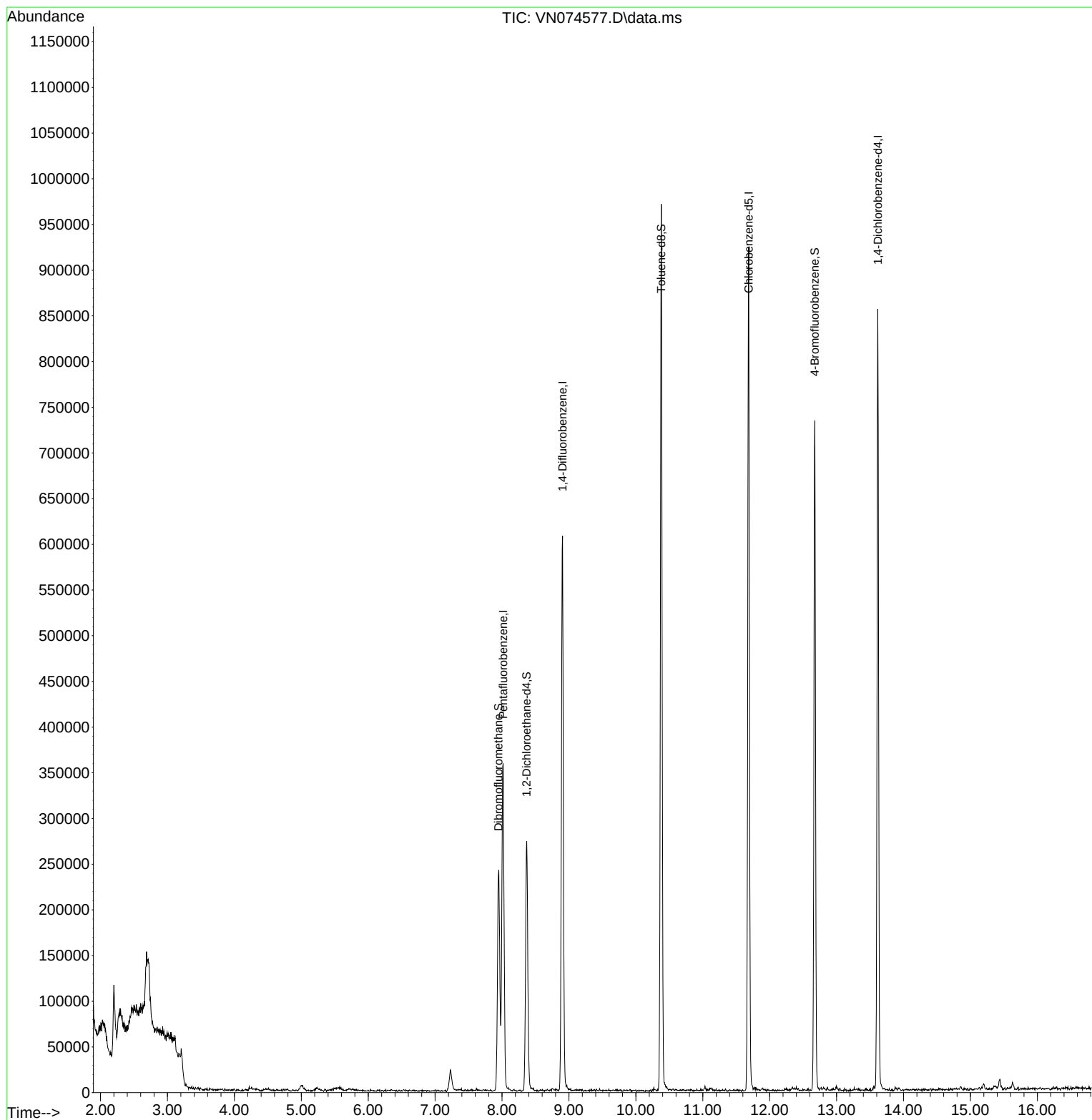
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

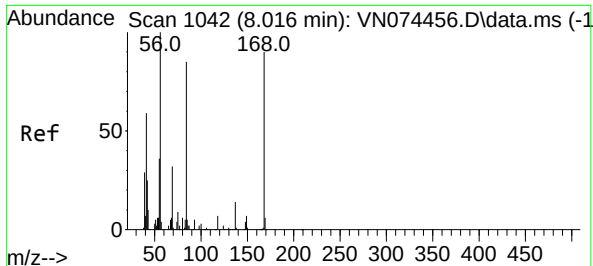
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Sep 15 19:20:33 2022  
Response via : Initial Calibration

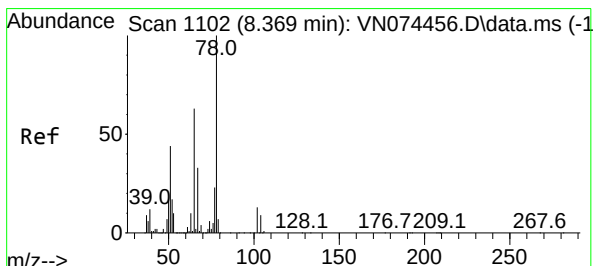
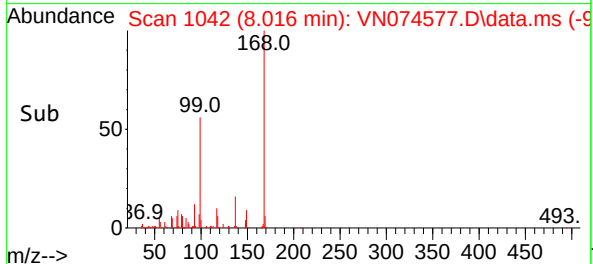
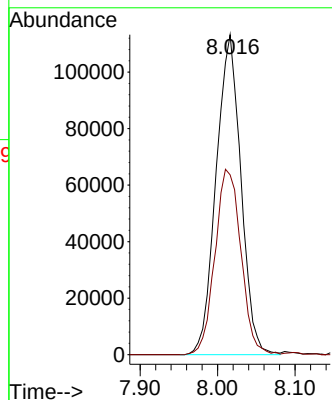
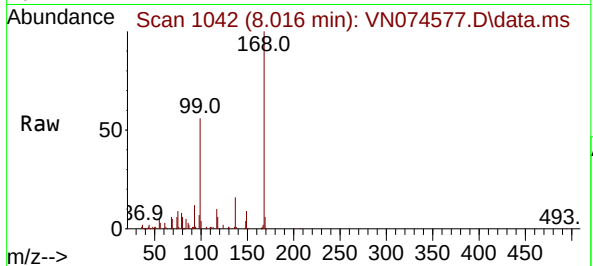




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: VN074577.D  
Acq: 19 Sep 2022 11:25

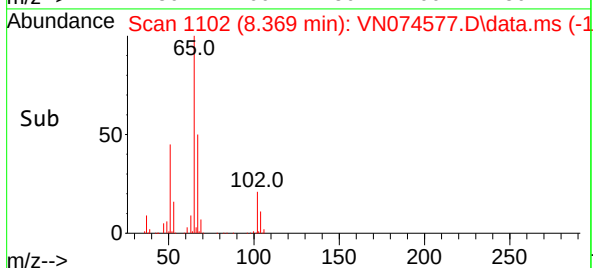
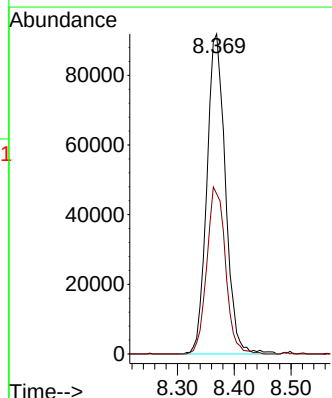
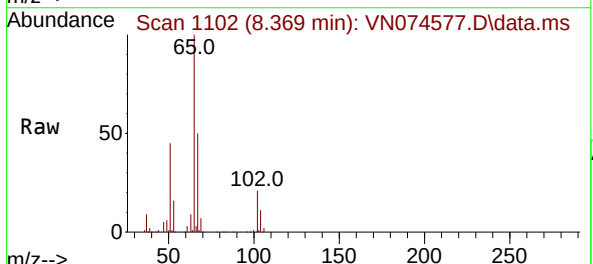
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0919MBL01

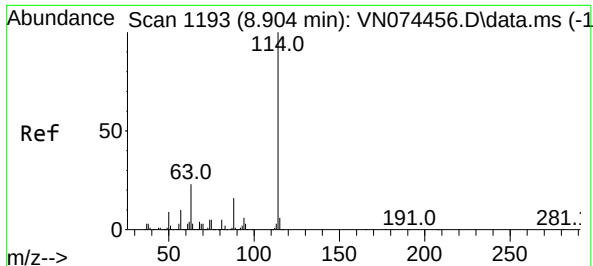
Tgt Ion:168 Resp: 252054  
Ion Ratio Lower Upper  
168 100  
99 56.2 42.3 63.5



#33  
1,2-Dichloroethane-d4  
Concen: 48.520 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: VN074577.D  
Acq: 19 Sep 2022 11:25

Tgt Ion: 65 Resp: 207504  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074577.D

Acq: 19 Sep 2022 11:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0919MBL01

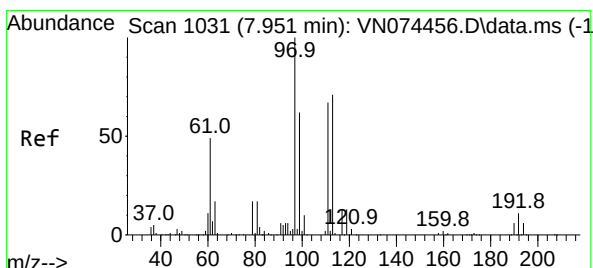
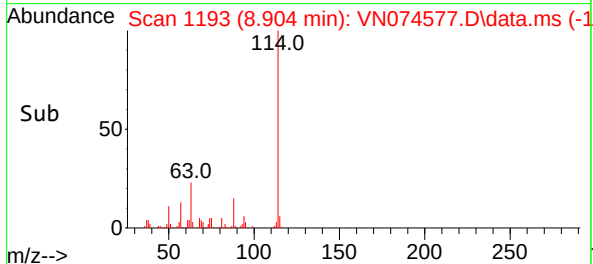
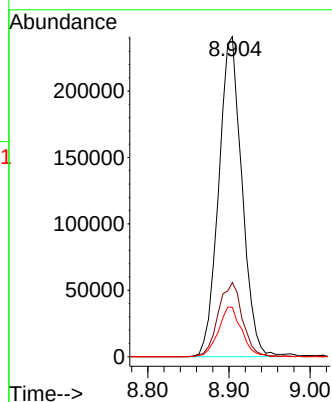
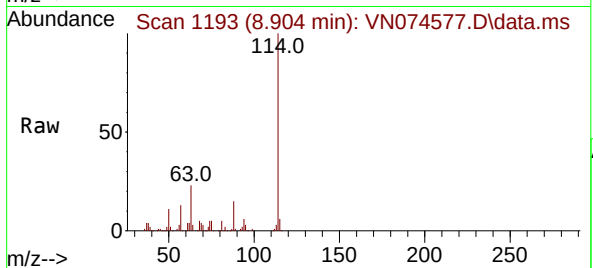
Tgt Ion:114 Resp: 480054

Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.386 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN074577.D

Acq: 19 Sep 2022 11:25

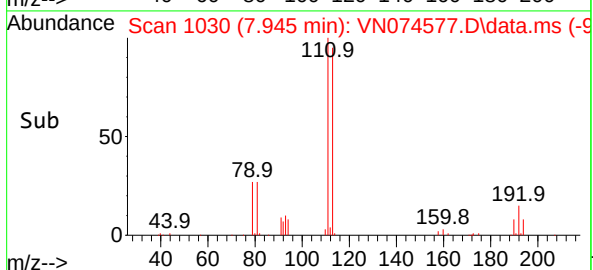
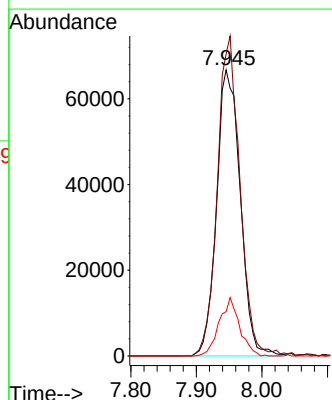
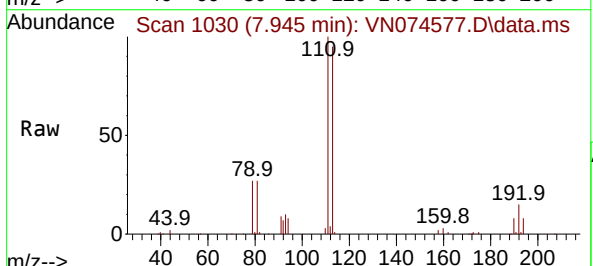
Tgt Ion:113 Resp: 167055

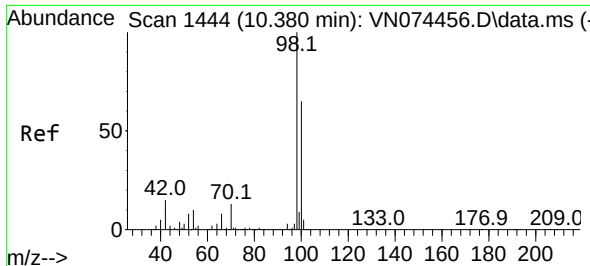
Ion Ratio Lower Upper

113 100

111 107.2 81.4 122.0

192 17.5 17.0 25.6

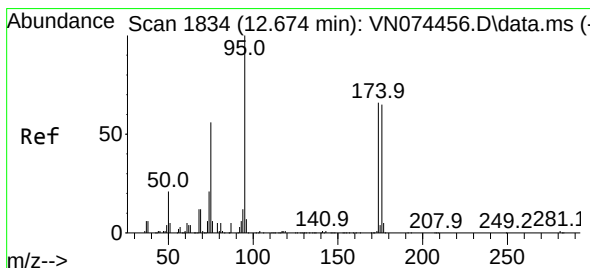
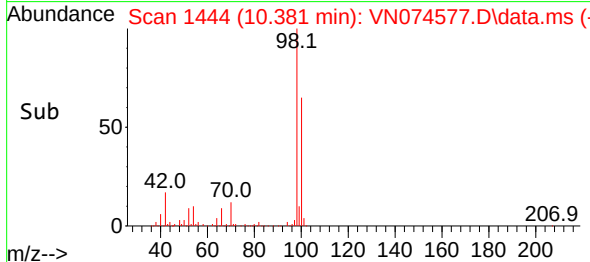
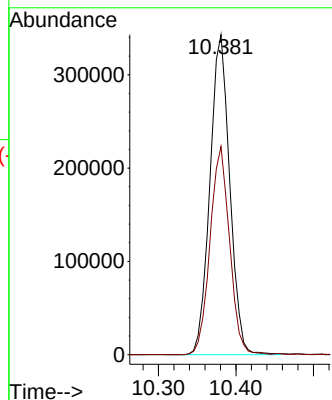
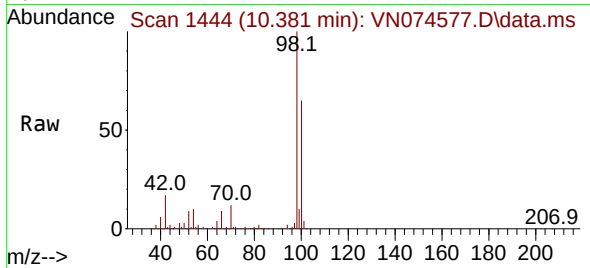




#50  
Toluene-d8  
Concen: 49.341 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.001 min  
Lab File: VN074577.D  
Acq: 19 Sep 2022 11:25

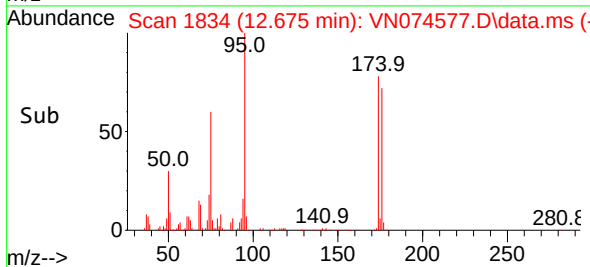
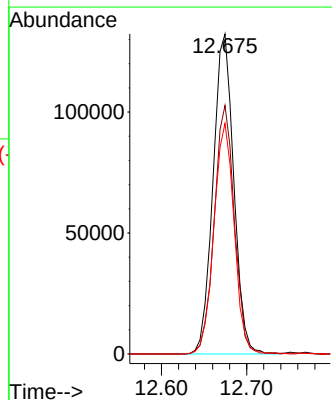
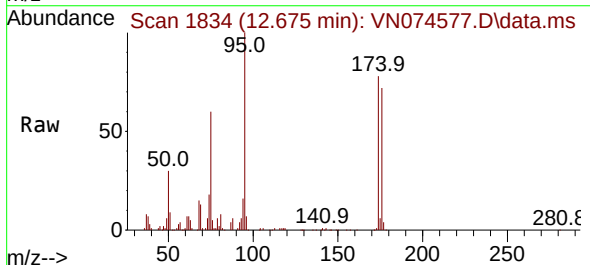
Instrument :  
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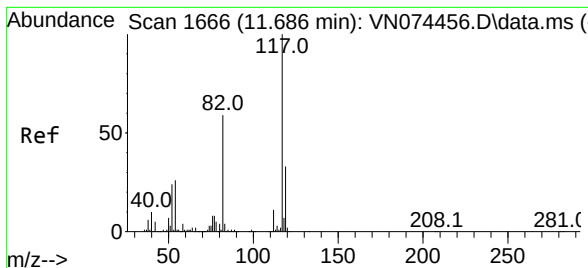
Tgt Ion: 98 Resp: 608505  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 52.954 ug/l  
RT: 12.675 min Scan# 1834  
Delta R.T. 0.001 min  
Lab File: VN074577.D  
Acq: 19 Sep 2022 11:25

Tgt Ion: 95 Resp: 223673  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 167.6  
176 70.6 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074577.D

Acq: 19 Sep 2022 11:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0919MBL01

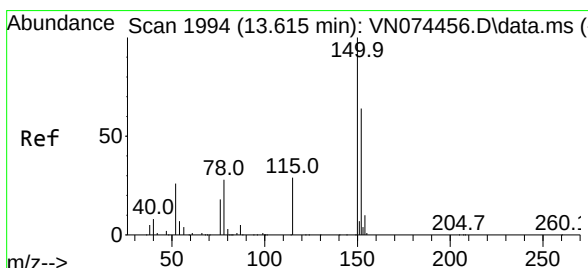
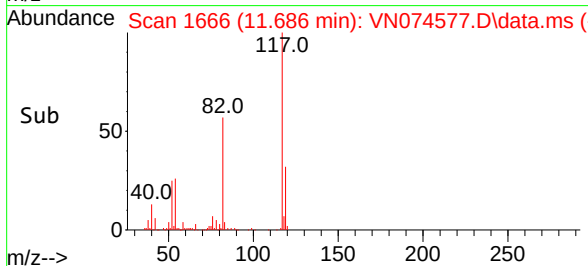
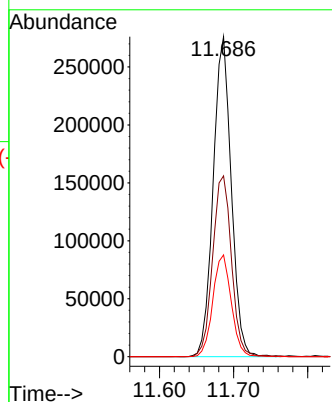
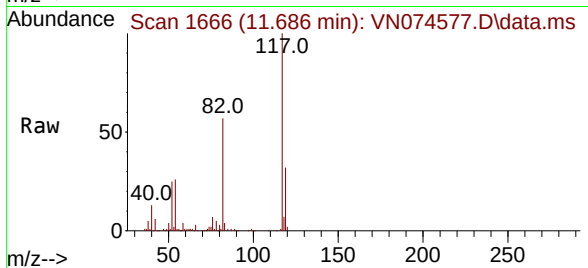
Tgt Ion:117 Resp: 467812

Ion Ratio Lower Upper

117 100

82 56.5 44.2 66.2

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074577.D

Acq: 19 Sep 2022 11:25

Tgt Ion:152 Resp: 198967

Ion Ratio Lower Upper

152 100

115 60.7 28.9 86.7

150 155.1 0.0 356.2

