

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080122\  
 Data File : VN073653.D  
 Acq On : 01 Aug 2022 12:06  
 Operator : JC\MD  
 Sample : VN0801WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBL01

Quant Time: Aug 02 04:58:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 29 02:20:25 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.016  | 168  | 374725   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.904  | 114  | 601634   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.686 | 117  | 567163   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.616 | 152  | 266369   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.369  | 65    | 218771   | 47.906   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.820%  |
| 35) Dibromofluoromethane    | 7.951  | 113   | 207017   | 54.797   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 109.600% |
| 50) Toluene-d8              | 10.381 | 98    | 667893   | 44.926   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 89.860%  |
| 62) 4-Bromofluorobenzene    | 12.674 | 95    | 242939   | 49.086   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 98.180%  |

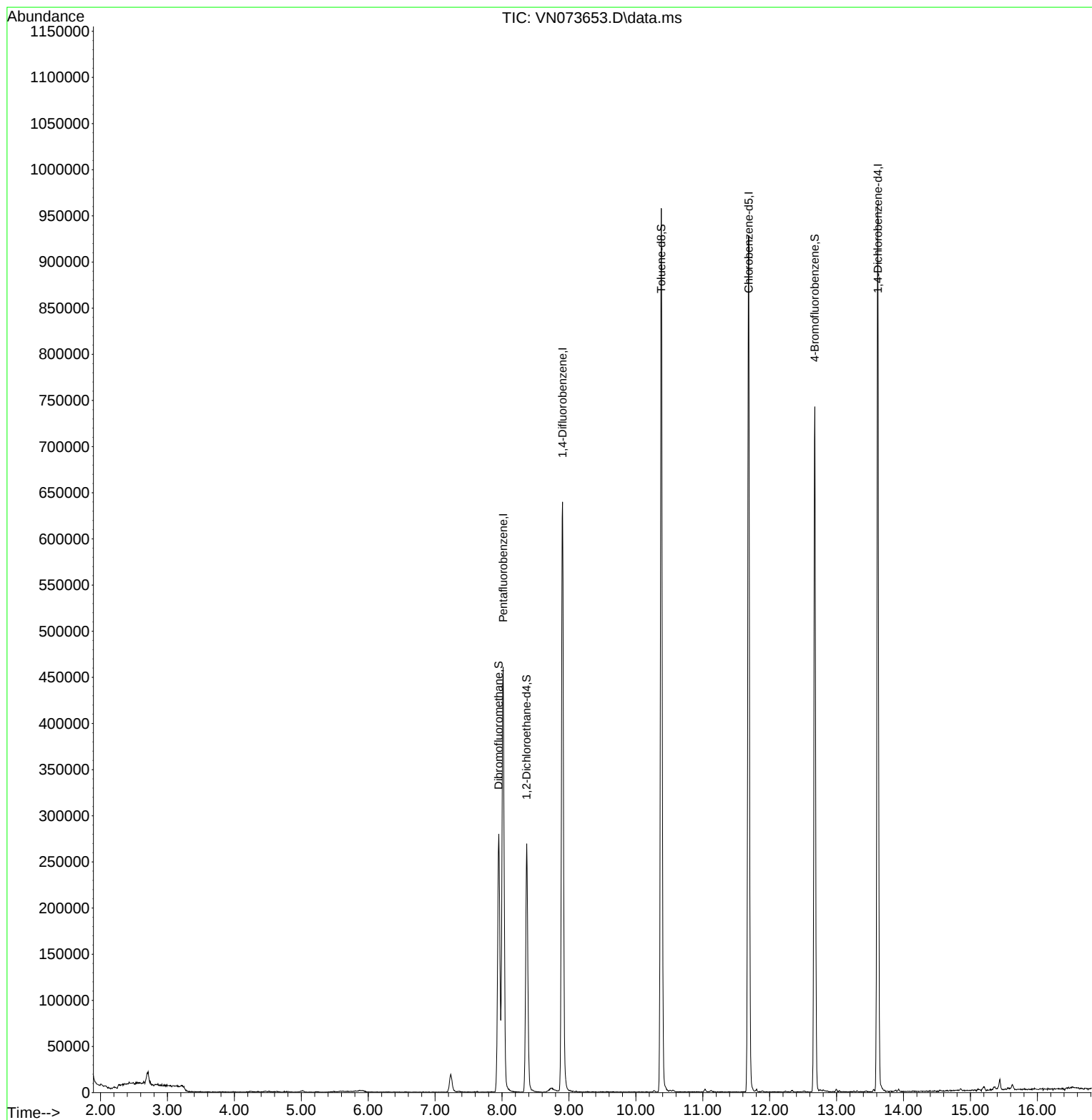
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

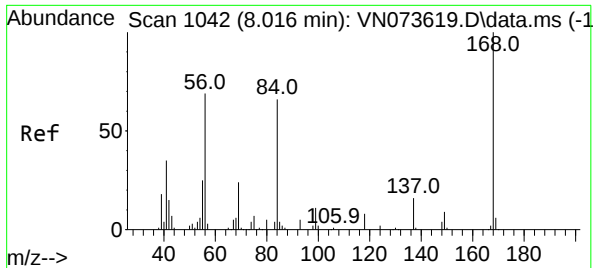
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 29 02:20:25 2022  
Response via : Initial Calibration

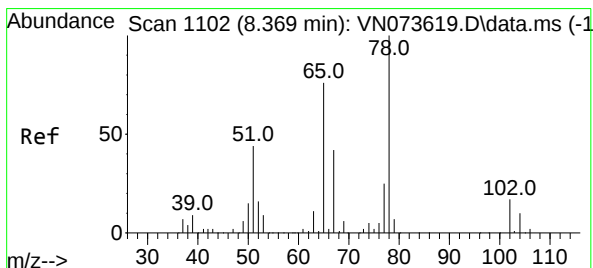
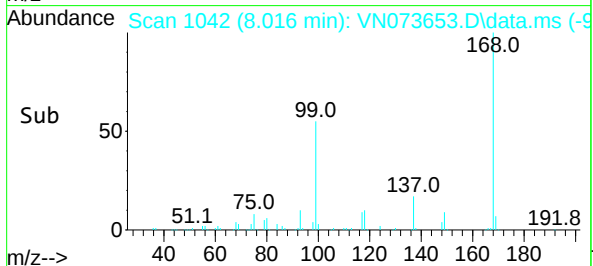
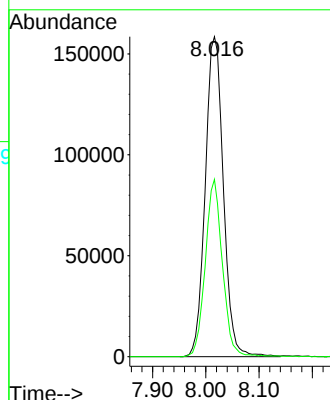
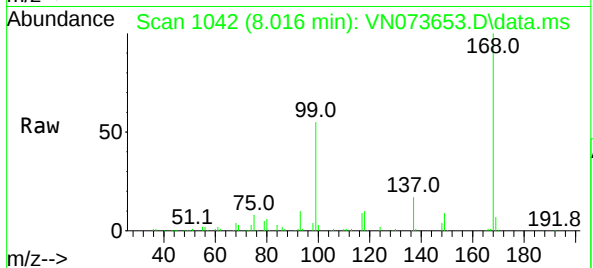




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073653.D  
Acq: 01 Aug 2022 12:06

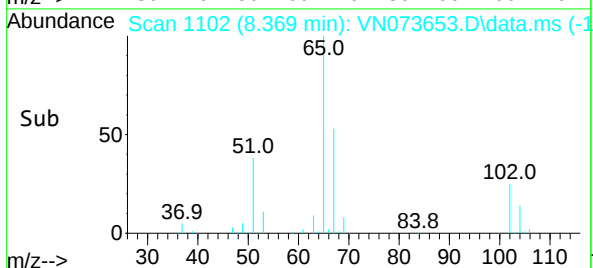
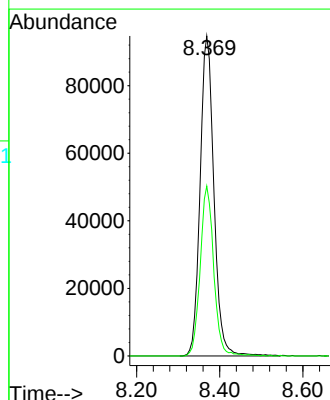
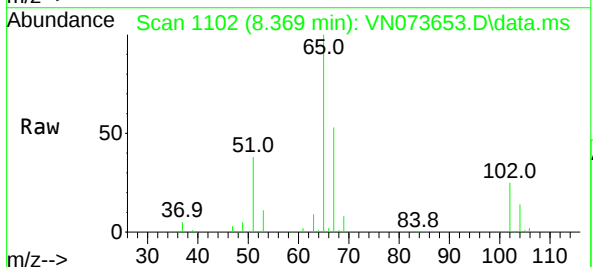
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBL01

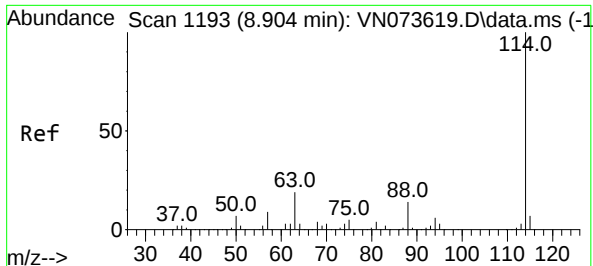
Tgt Ion:168 Resp: 374725  
Ion Ratio Lower Upper  
168 100  
99 55.4 42.3 63.5



#33  
1,2-Dichloroethane-d4  
Concen: 47.906 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VN073653.D  
Acq: 01 Aug 2022 12:06

Tgt Ion: 65 Resp: 218771  
Ion Ratio Lower Upper  
65 100  
67 51.8 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: VN073653.D

Acq: 01 Aug 2022 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBL01

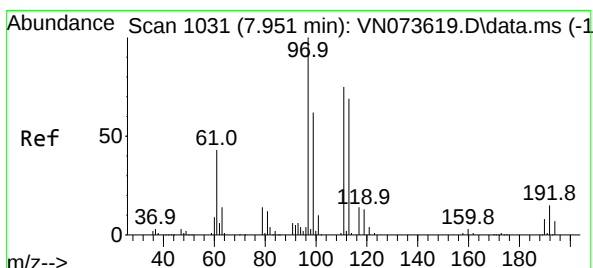
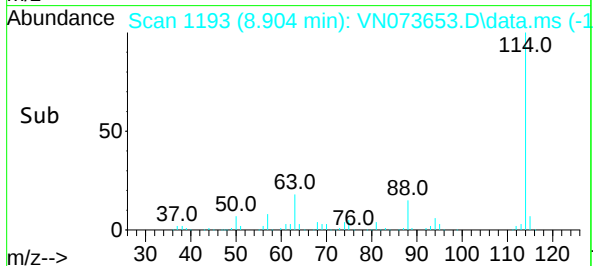
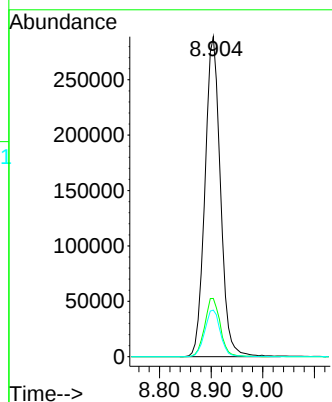
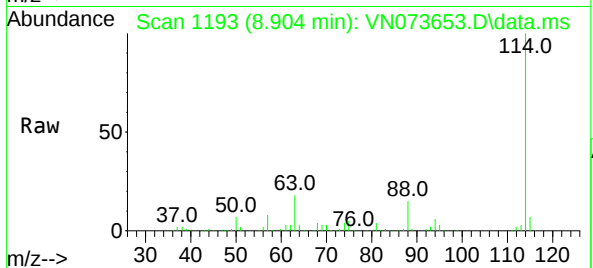
Tgt Ion:114 Resp: 601634

Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.797 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073653.D

Acq: 01 Aug 2022 12:06

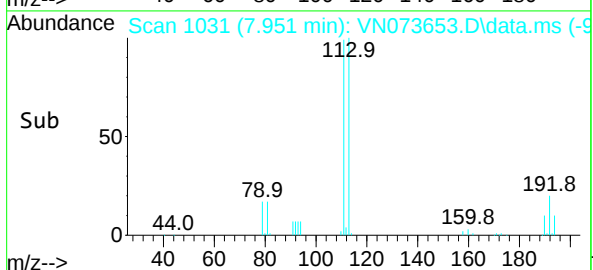
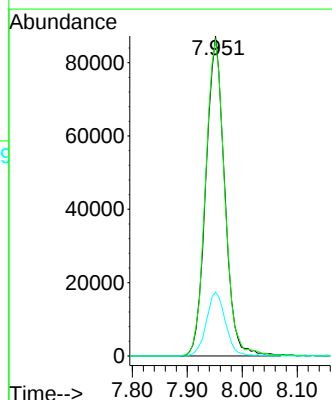
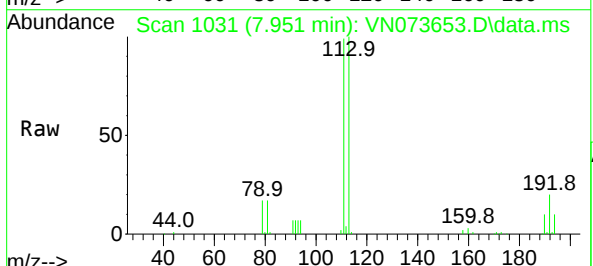
Tgt Ion:113 Resp: 207017

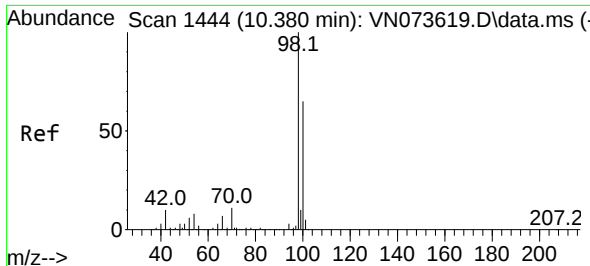
Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

192 20.4 17.0 25.6

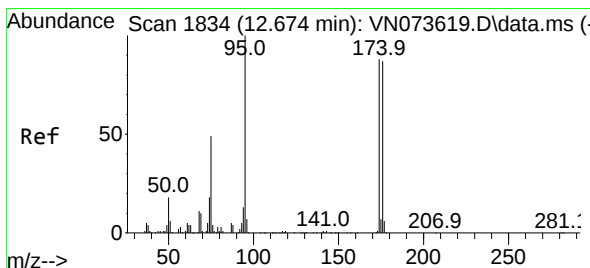
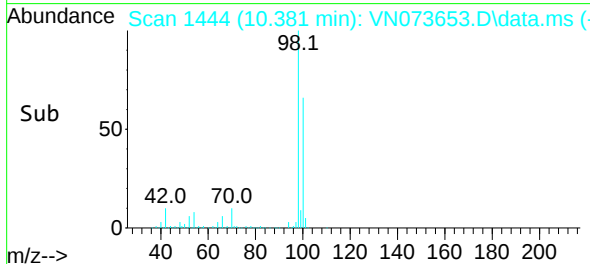
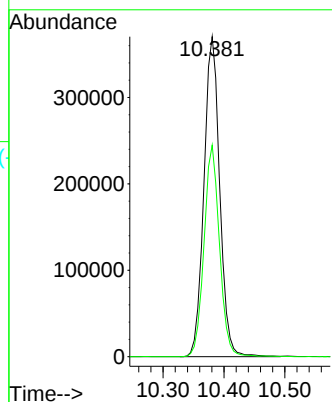
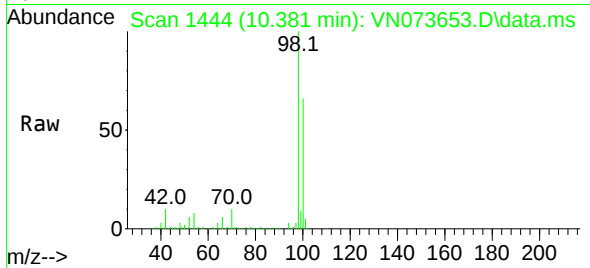




#50  
Toluene-d8  
Concen: 44.926 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN073653.D  
Acq: 01 Aug 2022 12:06

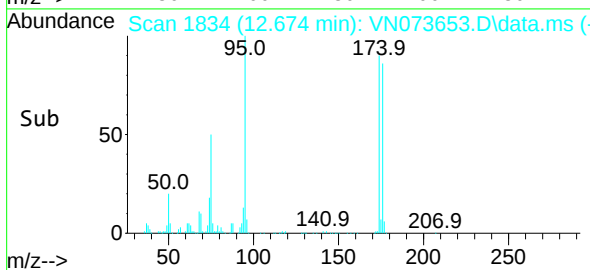
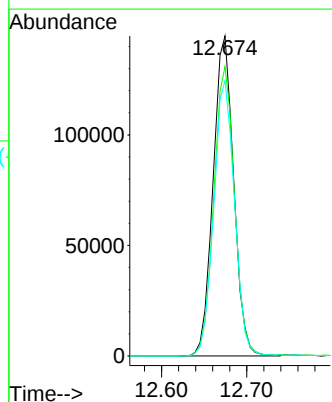
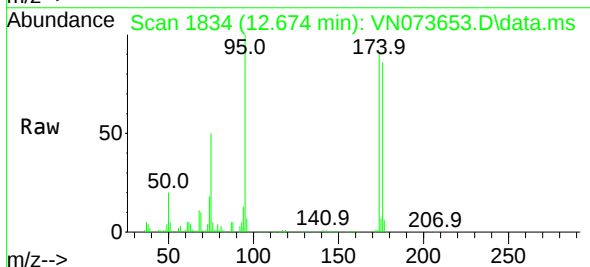
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBL01

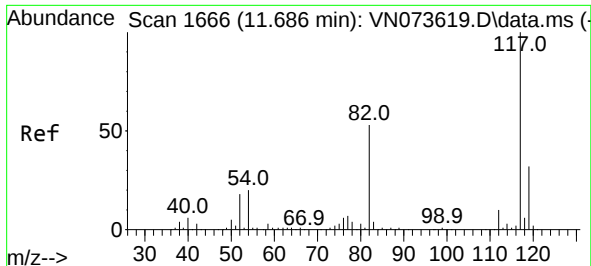
Tgt Ion: 98 Resp: 667893  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 49.086 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073653.D  
Acq: 01 Aug 2022 12:06

Tgt Ion: 95 Resp: 242939  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 167.6  
176 86.9 0.0 163.4

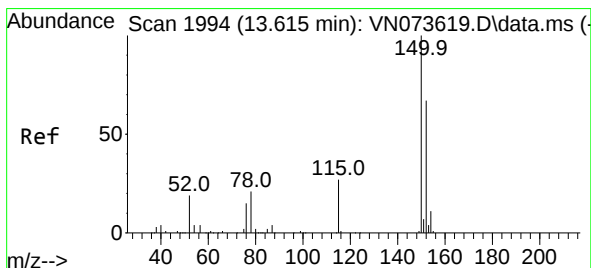
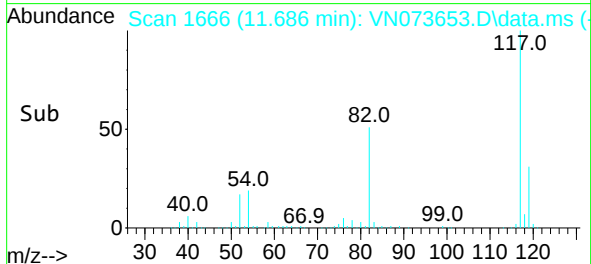
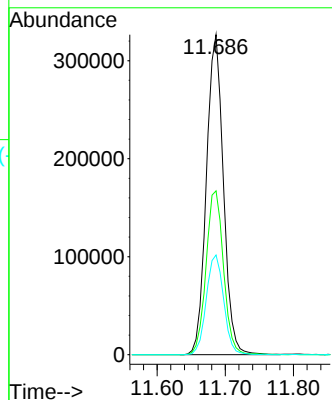
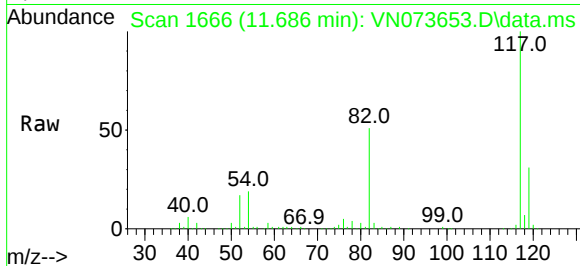




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN073653.D  
Acq: 01 Aug 2022 12:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBL01

Tgt Ion:117 Resp: 567163  
Ion Ratio Lower Upper  
117 100  
82 51.2 44.2 66.2  
119 31.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.616 min Scan# 1994  
Delta R.T. 0.000 min  
Lab File: VN073653.D  
Acq: 01 Aug 2022 12:06

Tgt Ion:152 Resp: 266369  
Ion Ratio Lower Upper  
152 100  
115 56.0 28.9 86.7  
150 157.0 0.0 356.2

