

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071322\  
 Data File : VN073445.D  
 Acq On : 13 Jul 2022 12:20  
 Operator : JC\MD  
 Sample : VN0713WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0713WBL01

Quant Time: Jul 14 07:02:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 01:54:03 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.016  | 168  | 288728   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.904  | 114  | 489761   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.680 | 117  | 452430   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.610 | 152  | 214895   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.369  | 65    | 197411   | 47.362   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 94.720%  |
| 35) Dibromofluoromethane    | 7.951  | 113   | 164859   | 50.594   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.180% |
| 50) Toluene-d8              | 10.380 | 98    | 525790   | 45.433   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 90.860%  |
| 62) 4-Bromofluorobenzene    | 12.669 | 95    | 224377   | 50.451   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 100.900% |

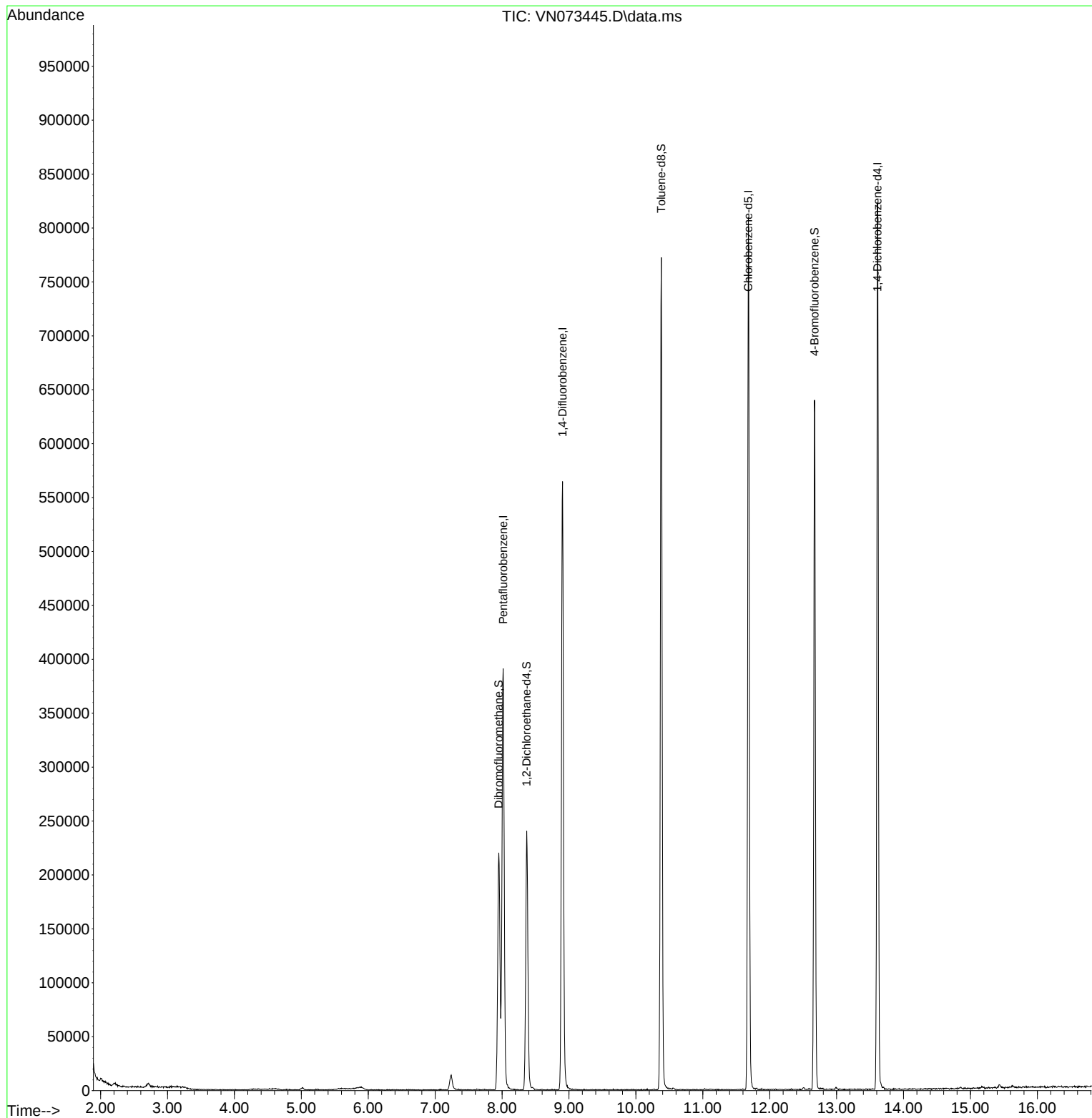
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

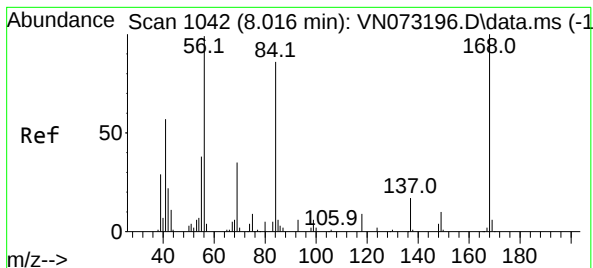
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0713WBL01  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0713WBL01

Quant Time: Jul 14 07:02:23 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062822W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 01:54:03 2022  
Response via : Initial Calibration

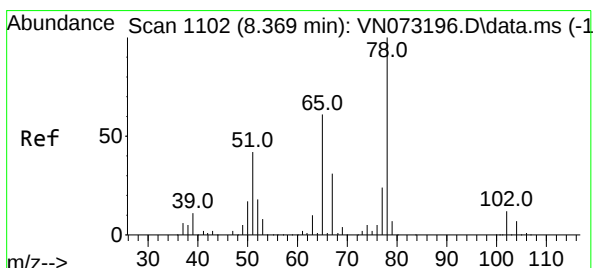
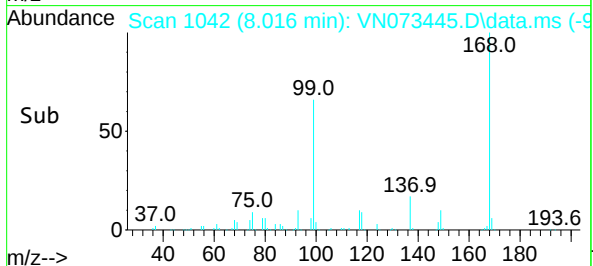
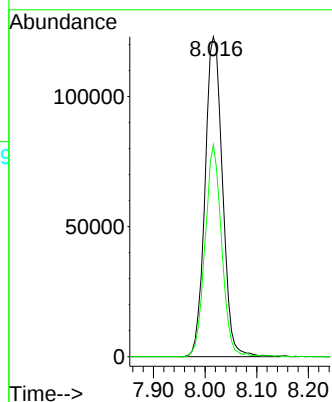
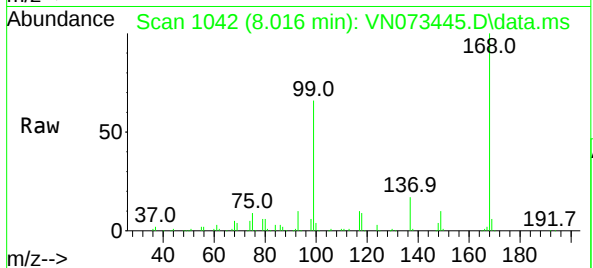




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073445.D  
Acq: 13 Jul 2022 12:20

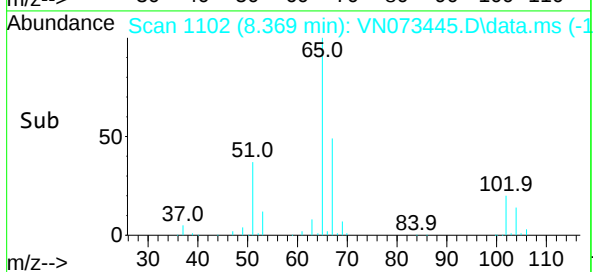
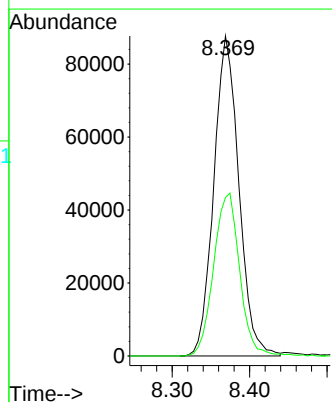
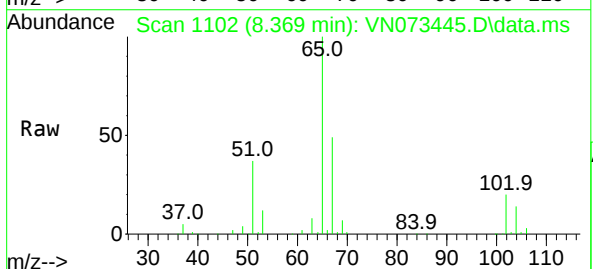
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0713WBL01

Tgt Ion:168 Resp: 288728  
Ion Ratio Lower Upper  
168 100  
99 66.2 42.3 63.5#



#33  
1,2-Dichloroethane-d4  
Concen: 47.362 ug/l  
RT: 8.369 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: VN073445.D  
Acq: 13 Jul 2022 12:20

Tgt Ion: 65 Resp: 197411  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 104.8

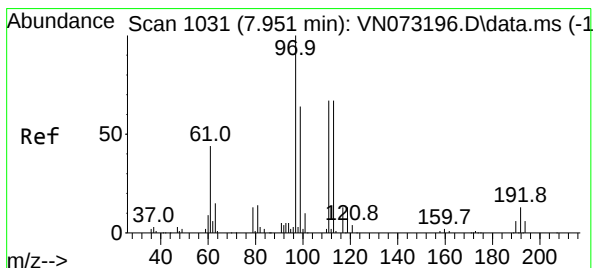
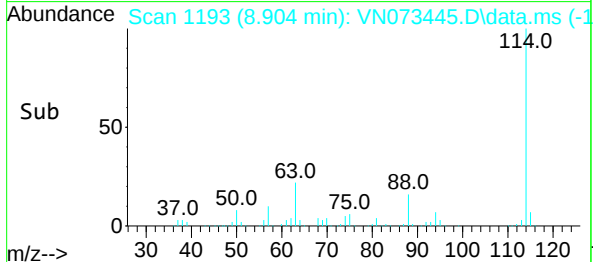
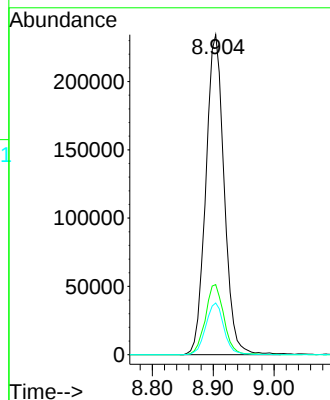
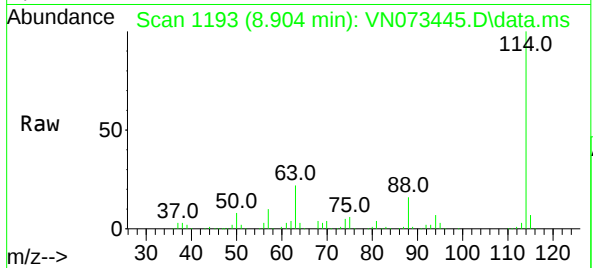




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.904 min Scan# 1193  
Delta R.T. 0.006 min  
Lab File: VN073445.D  
Acq: 13 Jul 2022 12:20

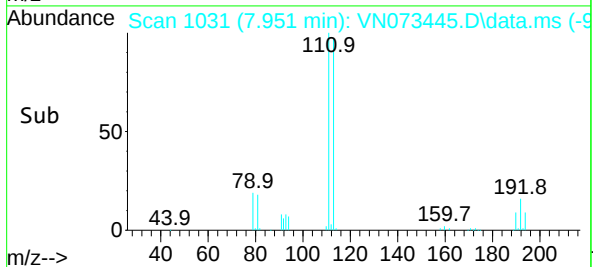
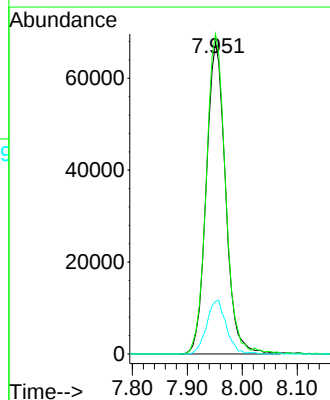
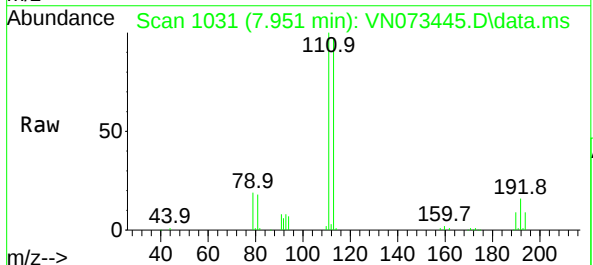
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0713WBL01

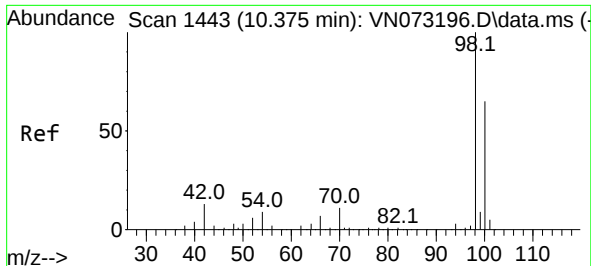
Tgt Ion:114 Resp: 489761  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 40.0  
88 16.1 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 50.594 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: VN073445.D  
Acq: 13 Jul 2022 12:20

Tgt Ion:113 Resp: 164859  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.4 122.0  
192 17.6 17.0 25.6

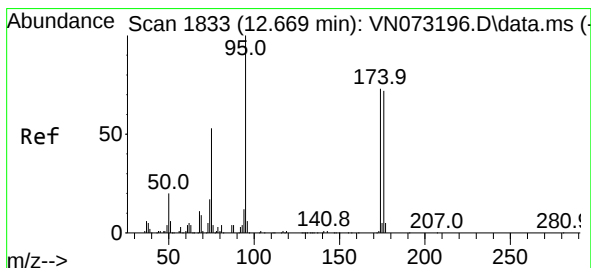
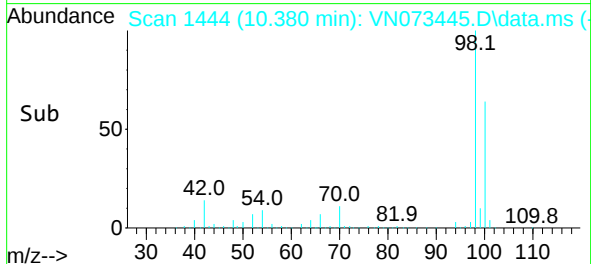
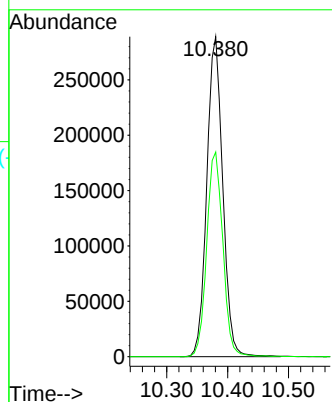
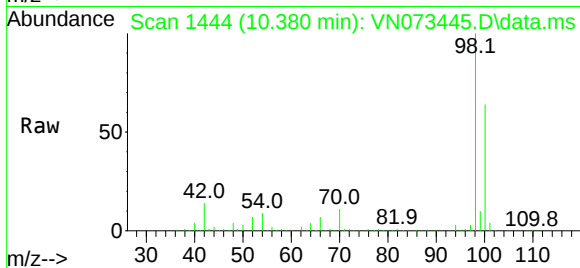




#50  
Toluene-d8  
Concen: 45.433 ug/l  
RT: 10.380 min Scan# 1443  
Delta R.T. 0.005 min  
Lab File: VN073445.D  
Acq: 13 Jul 2022 12:20

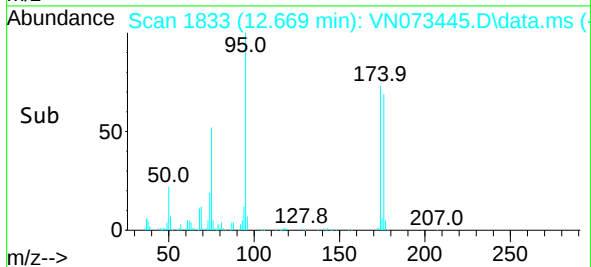
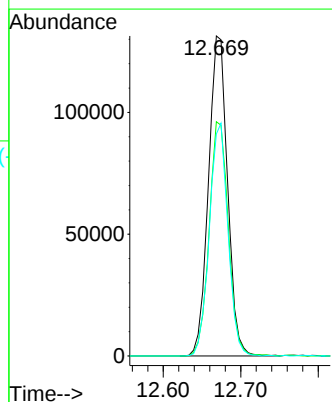
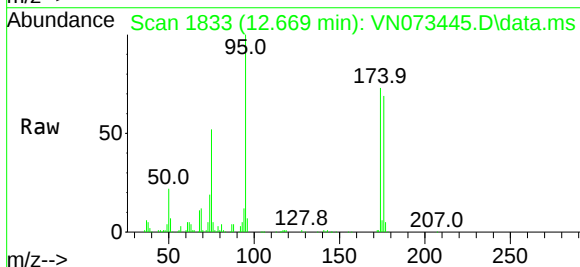
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0713WBL01

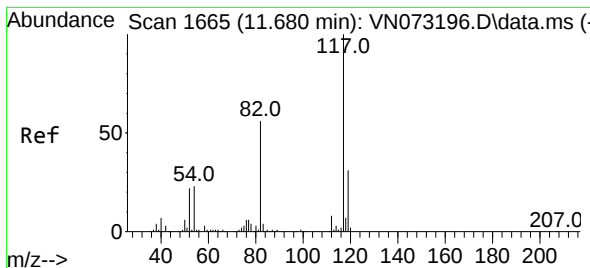
Tgt Ion: 98 Resp: 525790  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 50.451 ug/l  
RT: 12.669 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: VN073445.D  
Acq: 13 Jul 2022 12:20

Tgt Ion: 95 Resp: 224377  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 167.6  
176 70.7 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VN073445.D

Acq: 13 Jul 2022 12:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0713WBL01

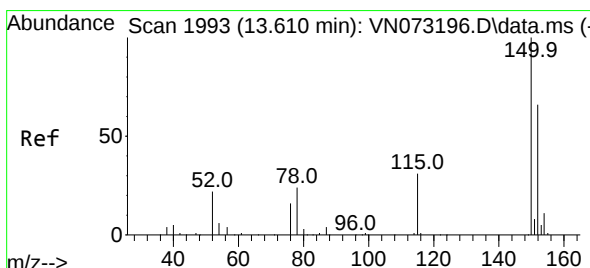
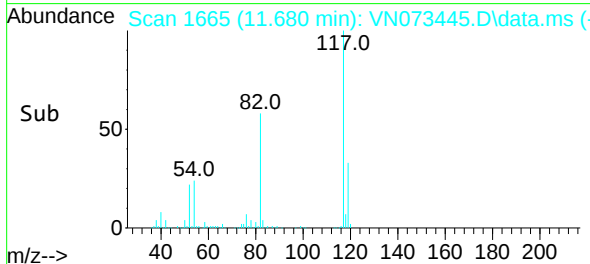
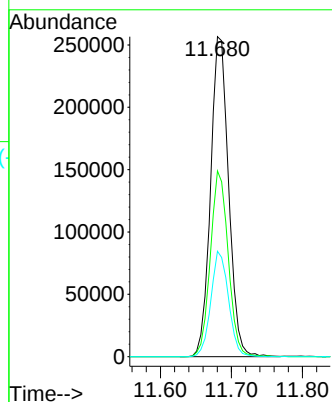
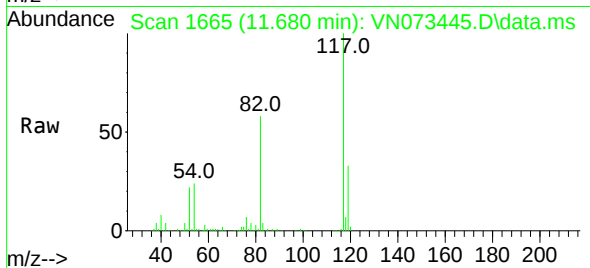
Tgt Ion:117 Resp: 452430

Ion Ratio Lower Upper

117 100

82 58.1 44.2 66.2

119 32.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073445.D

Acq: 13 Jul 2022 12:20

Tgt Ion:152 Resp: 214895

Ion Ratio Lower Upper

152 100

115 60.7 28.9 86.7

150 156.6 0.0 356.2

