

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091522\  
 Data File : VN074494.D  
 Acq On : 16 Sep 2022 05:18  
 Operator : JC\MD  
 Sample : N4551-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 251032-1

Quant Time: Sep 16 07:02:22 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  | 353570   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.904  | 114  | 670391   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.686 | 117  | 652162   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.616 | 152  | 276650   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.375  | 65    | 254910   | 42.491   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 84.980%  |
| 35) Dibromofluoromethane    | 7.945  | 113   | 211797   | 47.560   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.120%  |
| 50) Toluene-d8              | 10.381 | 98    | 783117   | 45.471   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 90.940%  |
| 62) 4-Bromofluorobenzene    | 12.674 | 95    | 296035   | 50.187   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 100.380% |

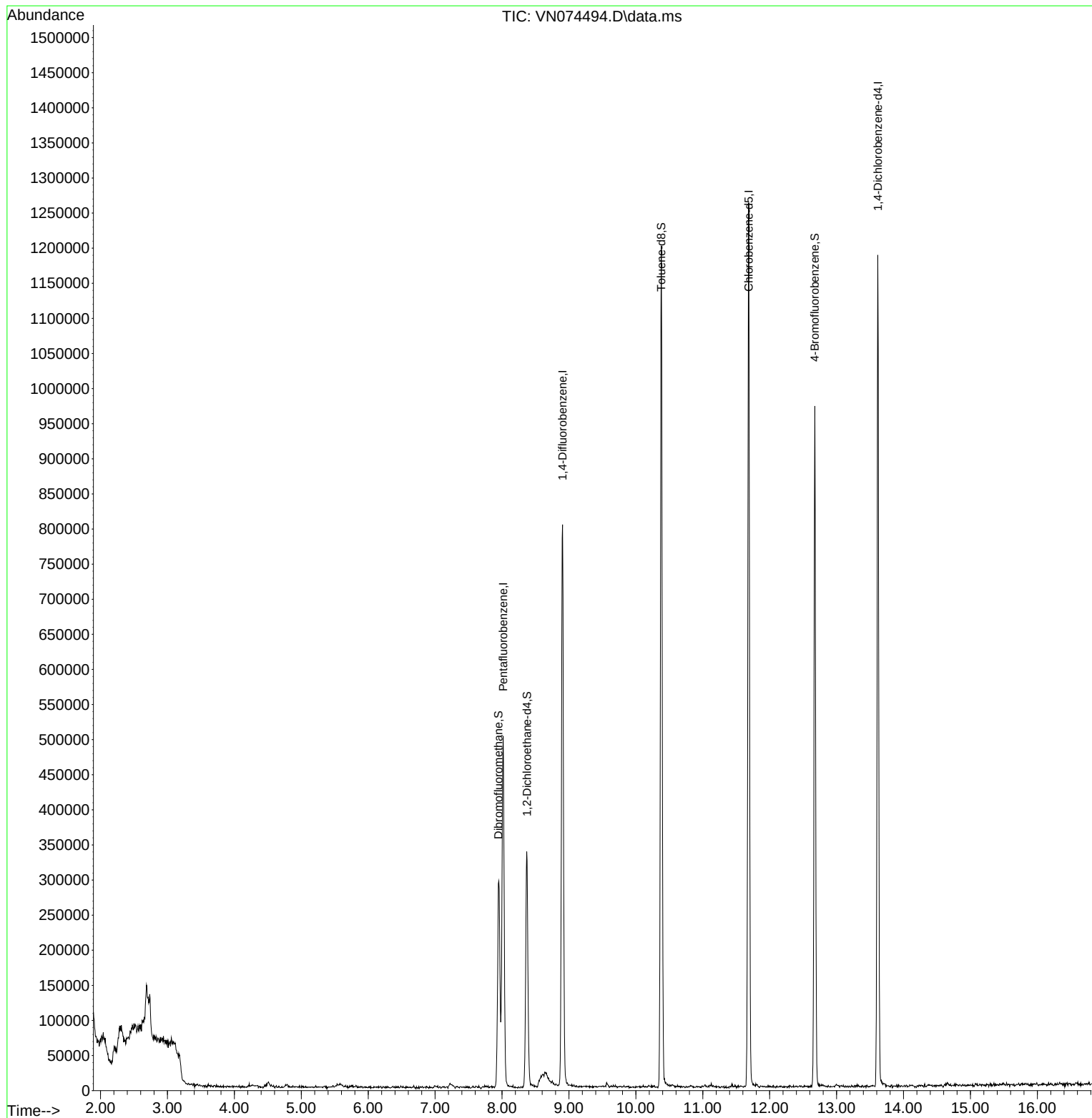
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

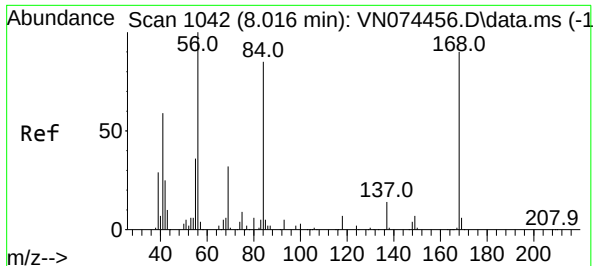
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

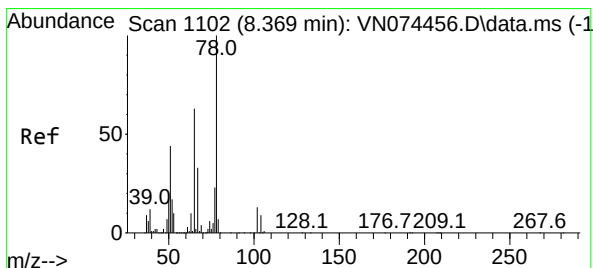
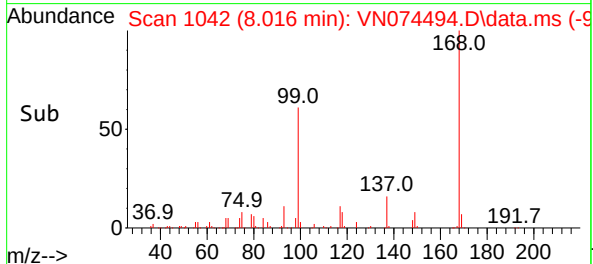
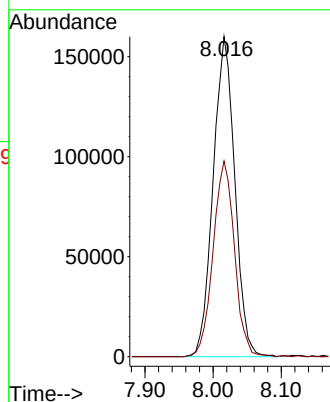
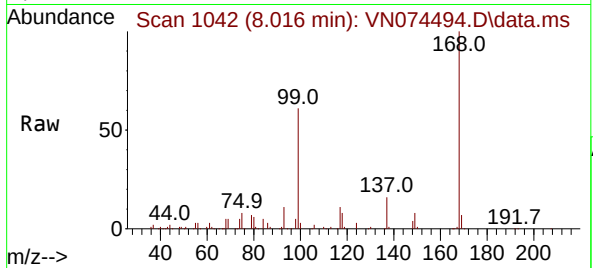




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1103  
Delta R.T. -0.000 min  
Lab File: VN074494.D  
Acq: 16 Sep 2022 05:18

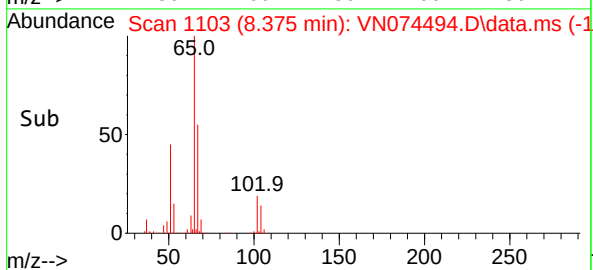
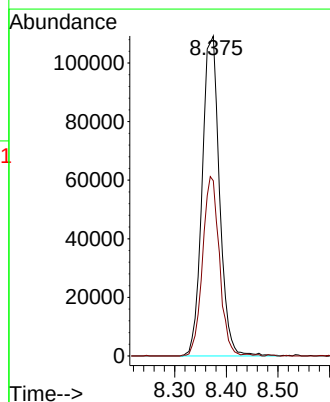
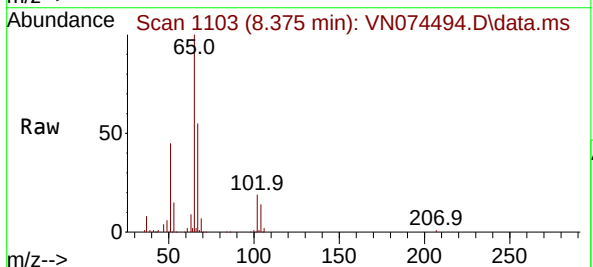
Instrument :  
MSVOA\_N  
ClientSampleId :  
251032-1

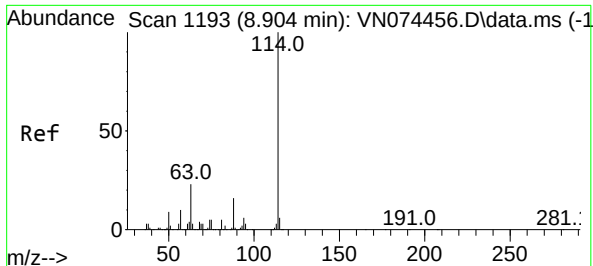
Tgt Ion:168 Resp: 353570  
Ion Ratio Lower Upper  
168 100  
99 61.1 42.3 63.5



#33  
1,2-Dichloroethane-d4  
Concen: 42.491 ug/l  
RT: 8.375 min Scan# 1103  
Delta R.T. 0.006 min  
Lab File: VN074494.D  
Acq: 16 Sep 2022 05:18

Tgt Ion: 65 Resp: 254910  
Ion Ratio Lower Upper  
65 100  
67 54.3 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: VN074494.D

Acq: 16 Sep 2022 05:18

Instrument :

MSVOA\_N

ClientSampleId :

251032-1

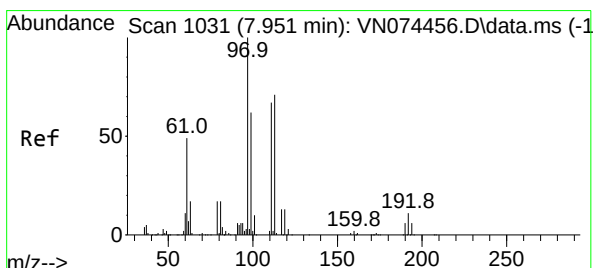
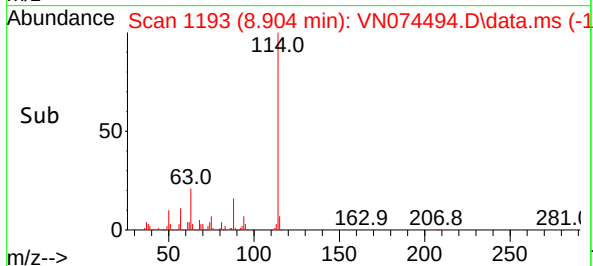
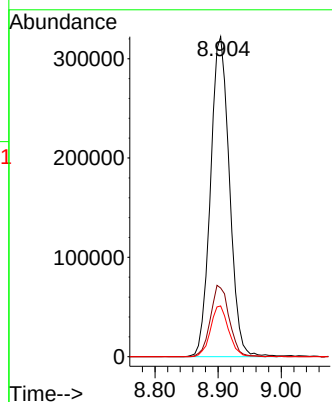
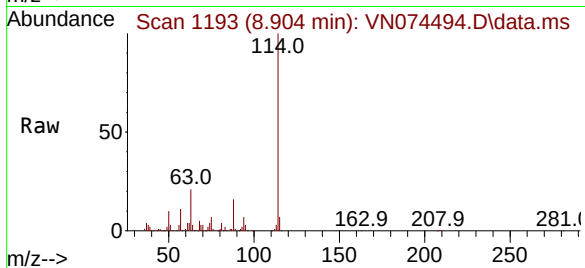
Tgt Ion:114 Resp: 670391

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.560 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN074494.D

Acq: 16 Sep 2022 05:18

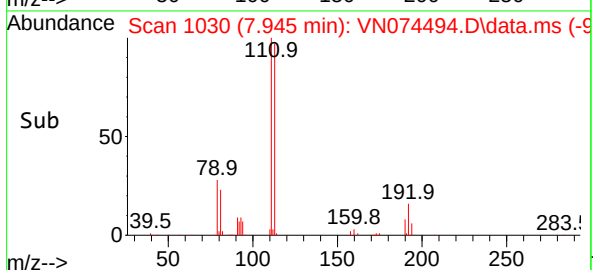
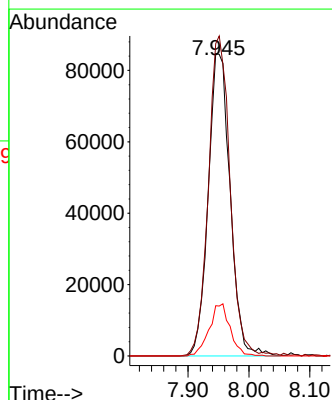
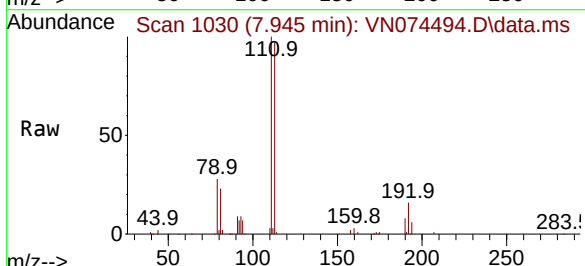
Tgt Ion:113 Resp: 211797

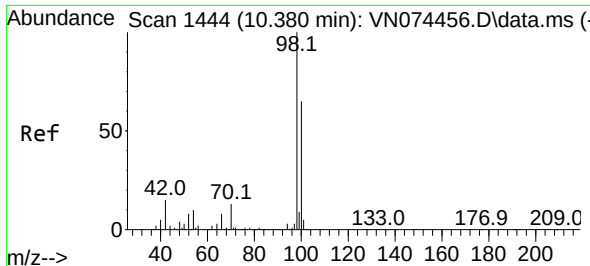
Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

192 16.5 17.0 25.6#

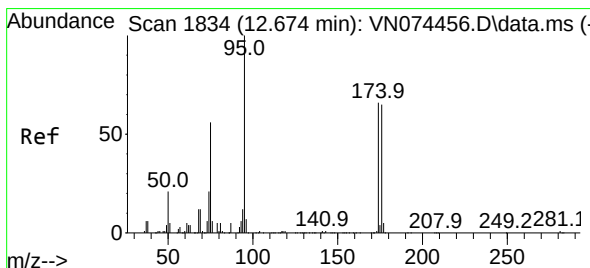
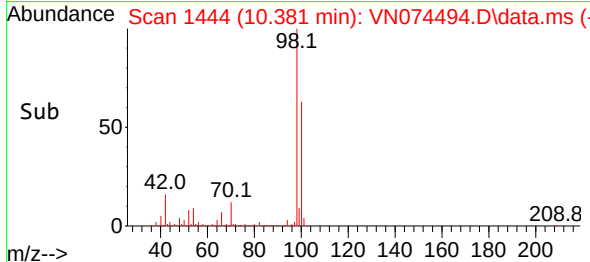
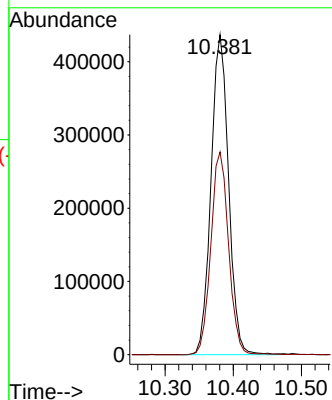
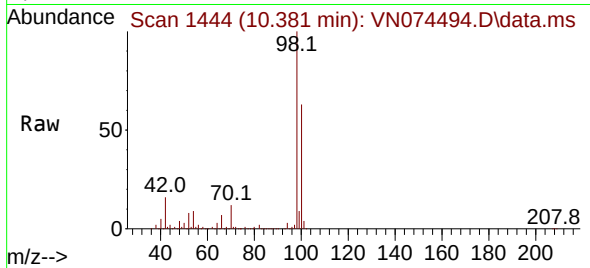




#50  
Toluene-d8  
Concen: 45.471 ug/l  
RT: 10.381 min Scan# 1444  
Delta R.T. 0.001 min  
Lab File: VN074494.D  
Acq: 16 Sep 2022 05:18

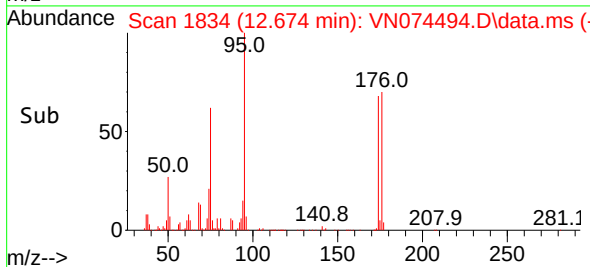
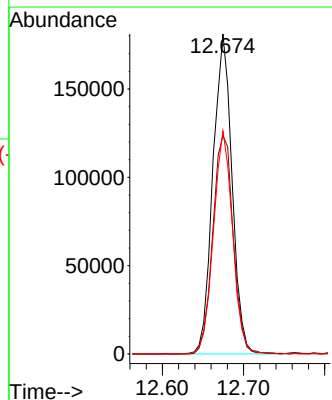
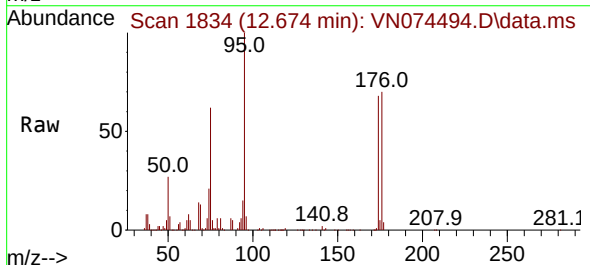
Instrument :  
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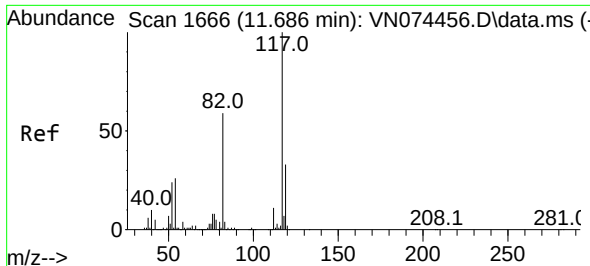
Tgt Ion: 98 Resp: 783117  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 50.187 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN074494.D  
Acq: 16 Sep 2022 05:18

Tgt Ion: 95 Resp: 296035  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 167.6  
176 70.0 0.0 163.4

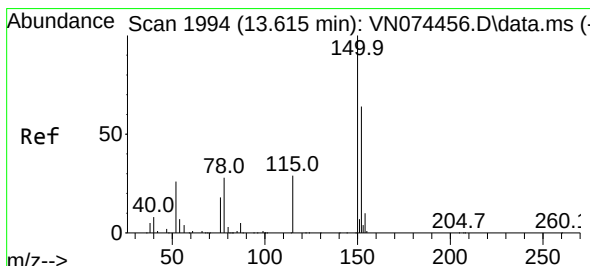
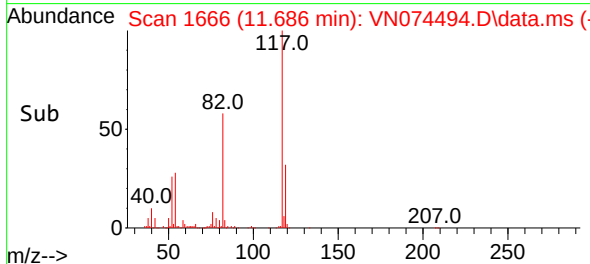
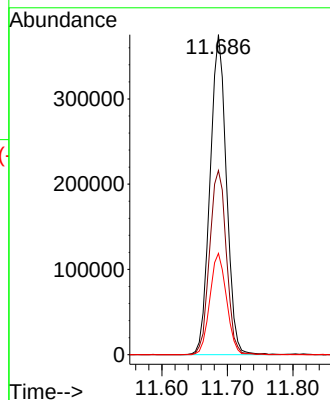
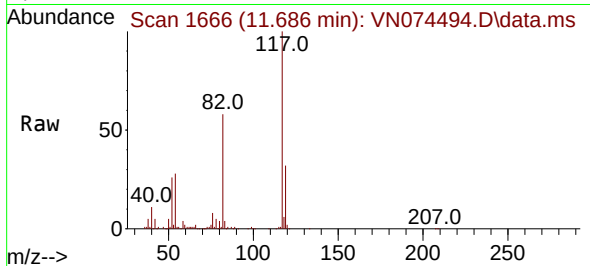




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN074494.D  
Acq: 16 Sep 2022 05:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
251032-1

Tgt Ion:117 Resp: 652162  
Ion Ratio Lower Upper  
117 100  
82 57.5 44.2 66.2  
119 31.6 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: VN074494.D  
Acq: 16 Sep 2022 05:18

Tgt Ion:152 Resp: 276650  
Ion Ratio Lower Upper  
152 100  
115 62.3 28.9 86.7  
150 159.3 0.0 356.2

