

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102121\  
 Data File : VN069092.D  
 Acq On : 21 Oct 2021 16:53  
 Operator : JC/MD  
 Sample : M4284-10 200X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 30853

Quant Time: Oct 22 01:34:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

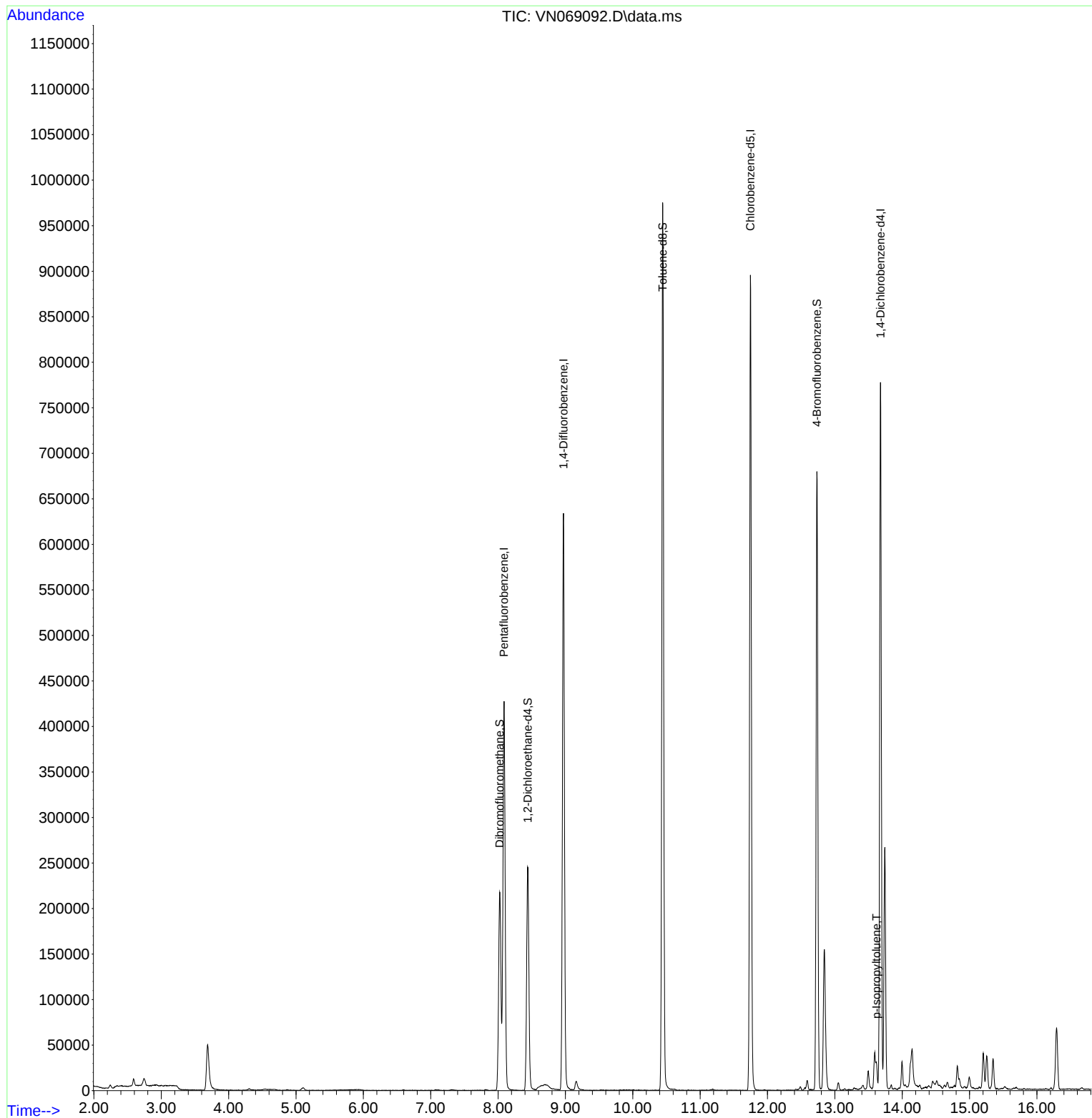
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|------------|-----------|
| -----                       |        |       |          |          |            |           |
| Internal Standards          |        |       |          |          |            |           |
| 1) Pentafluorobenzene       | 8.088  | 168   | 313832   | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.971  | 114   | 558695   | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.746 | 117   | 526204   | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.677 | 152   | 203679   | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |        |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 208347   | 50.353   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | = 100.700% |           |
| 35) Dibromofluoromethane    | 8.024  | 113   | 162760   | 50.072   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | = 100.140% |           |
| 50) Toluene-d8              | 10.443 | 98    | 700311   | 53.846   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | = 107.700% |           |
| 62) 4-Bromofluorobenzene    | 12.733 | 95    | 250804   | 51.112   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | = 102.220% |           |
| Target Compounds            |        |       |          |          |            |           |
| 86) p-Isopropyltoluene      | 13.618 | 119   | 15755    | 1.154    | ug/l       | Qvalue 99 |
| -----                       |        |       |          |          |            |           |

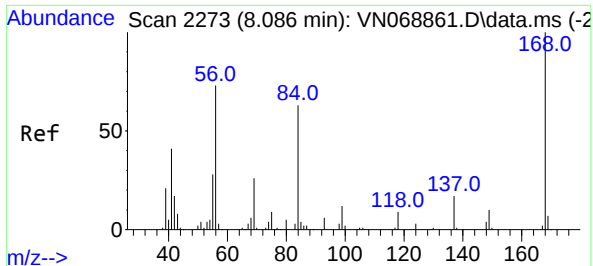
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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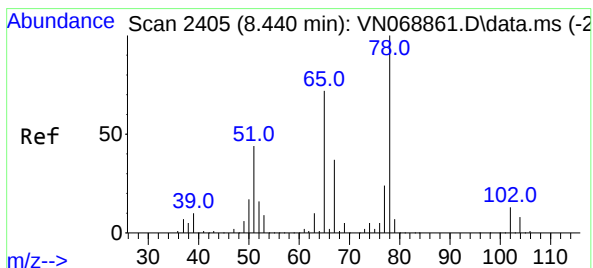
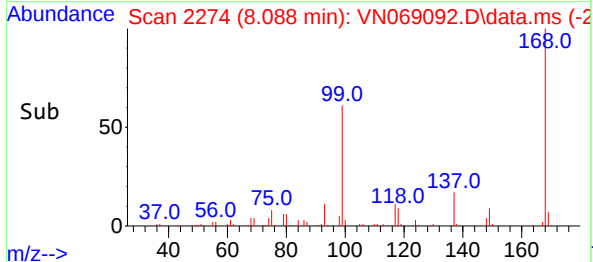
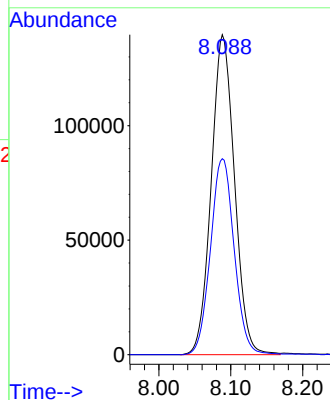
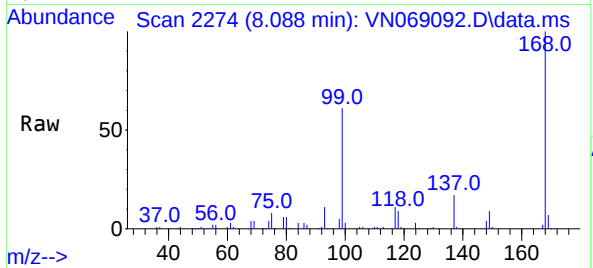




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN069092.D  
Acq: 21 Oct 2021 16:53

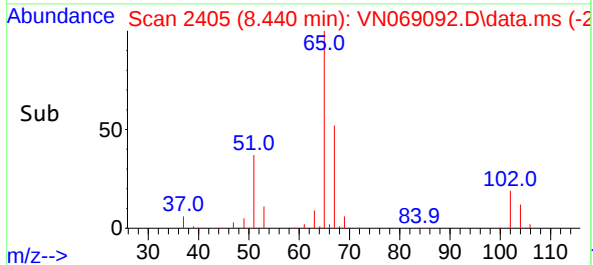
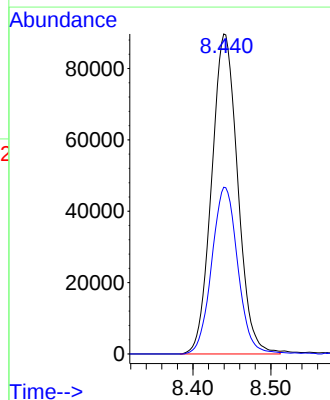
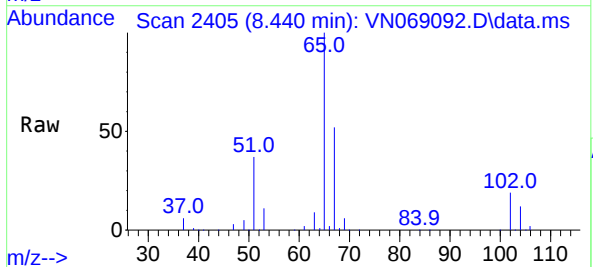
Instrument :  
MSVOA\_N  
ClientSampled :  
30853

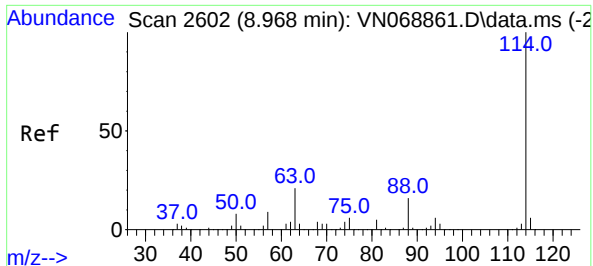
Tgt Ion:168 Resp: 313832  
Ion Ratio Lower Upper  
168 100  
99 61.2 48.9 73.3



#33  
1,2-Dichloroethane-d4  
Concen: 50.353 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN069092.D  
Acq: 21 Oct 2021 16:53

Tgt Ion: 65 Resp: 208347  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 103.8

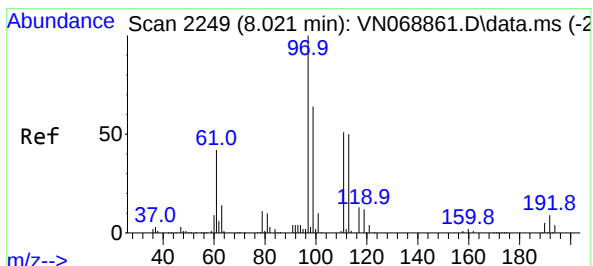
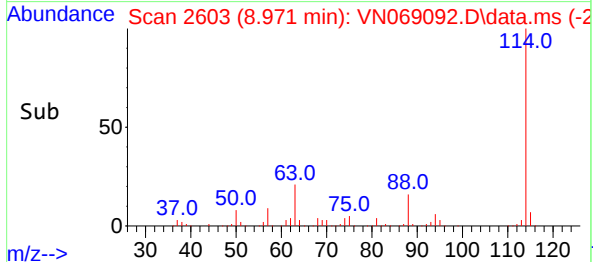
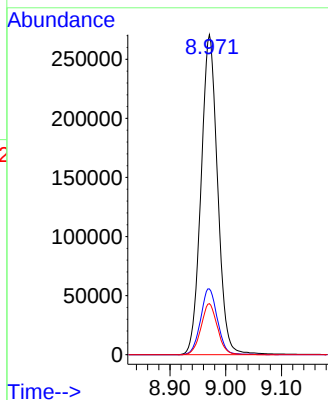
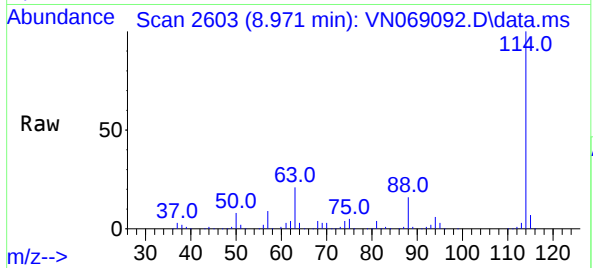




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN069092.D  
Acq: 21 Oct 2021 16:53

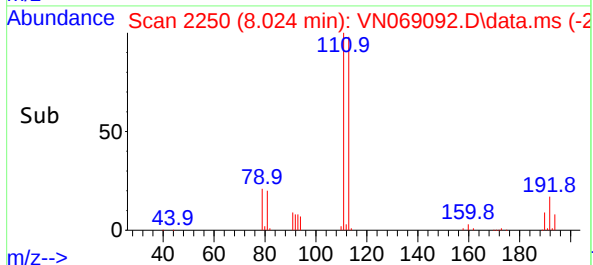
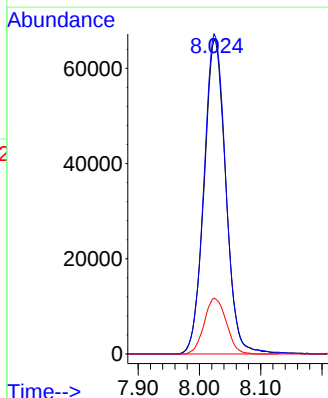
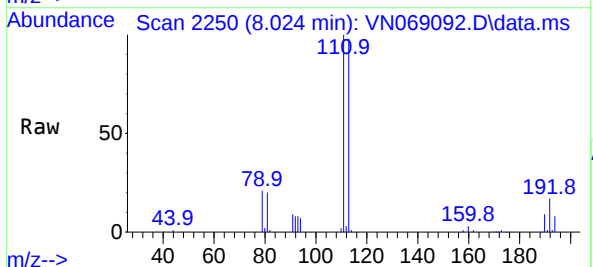
Instrument :  
MSVOA\_N  
ClientSampled :  
30853

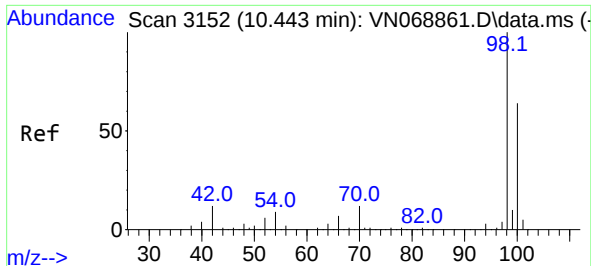
Tgt Ion:114 Resp: 558695  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 42.6  
88 15.9 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 50.072 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN069092.D  
Acq: 21 Oct 2021 16:53

Tgt Ion:113 Resp: 162760  
Ion Ratio Lower Upper  
113 100  
111 102.3 83.2 124.8  
192 18.0 15.0 22.4

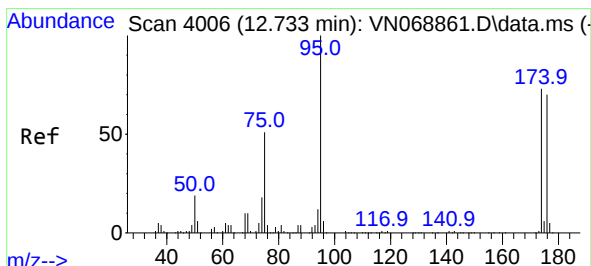
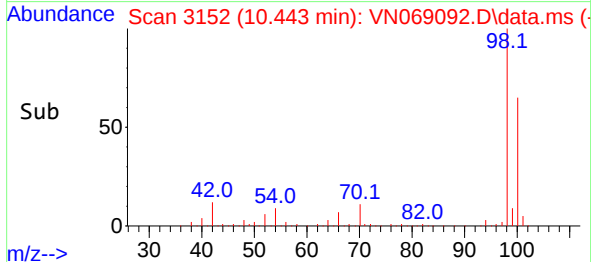
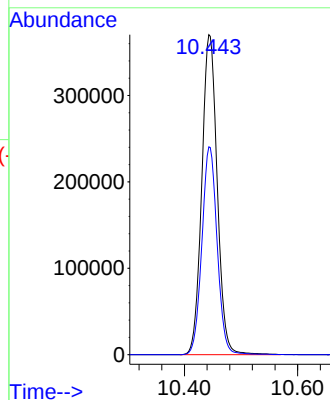
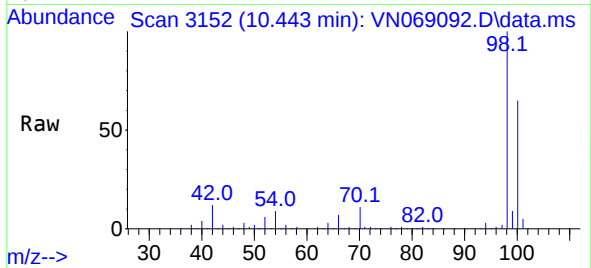




#50  
Toluene-d8  
Concen: 53.846 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN069092.D  
Acq: 21 Oct 2021 16:53

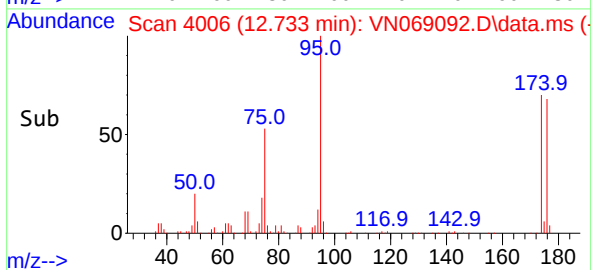
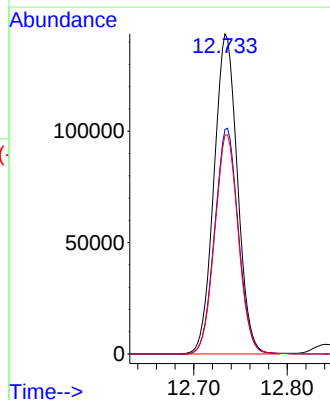
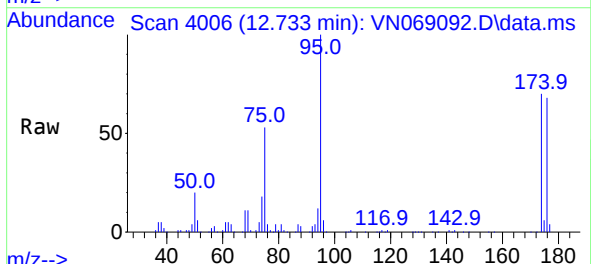
Instrument :  
MSVOA\_N  
ClientSampled :  
30853

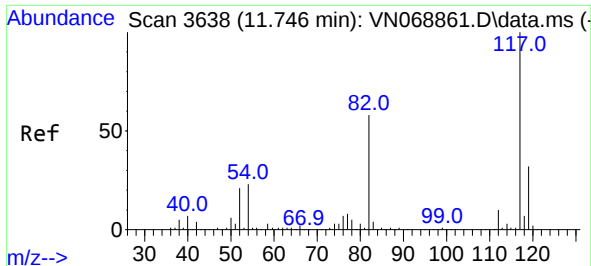
Tgt Ion: 98 Resp: 700311  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 51.112 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN069092.D  
Acq: 21 Oct 2021 16:53

Tgt Ion: 95 Resp: 250804  
Ion Ratio Lower Upper  
95 100  
174 71.1 0.0 144.8  
176 68.8 0.0 140.0

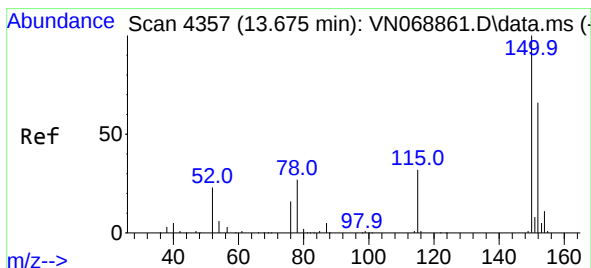
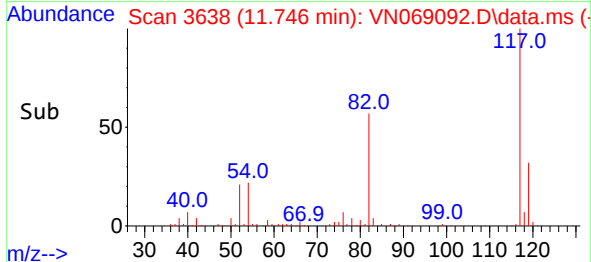
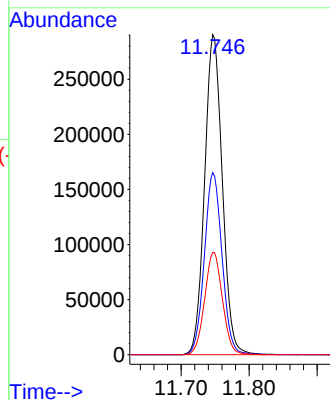
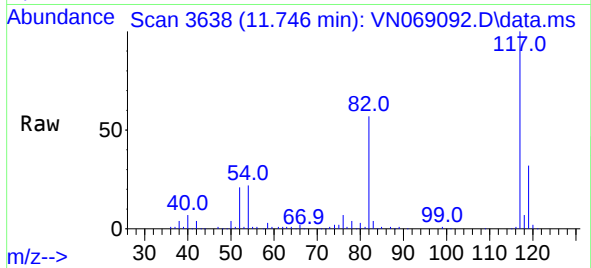




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN069092.D  
Acq: 21 Oct 2021 16:53

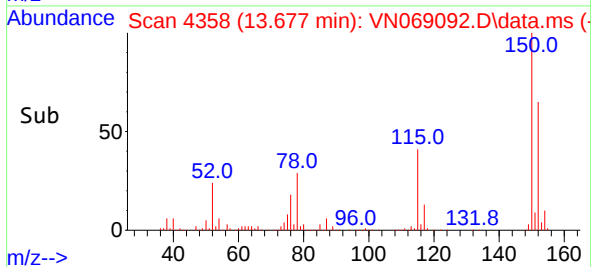
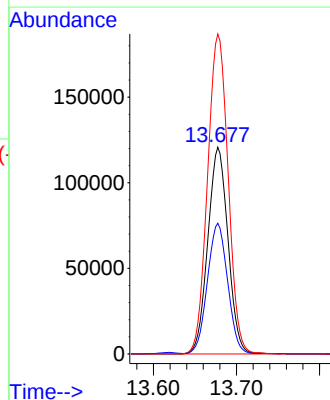
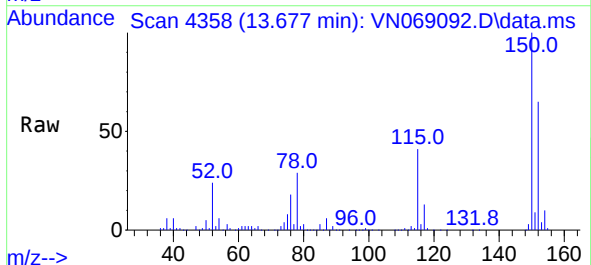
Instrument :  
MSVOA\_N  
ClientSampled :  
30853

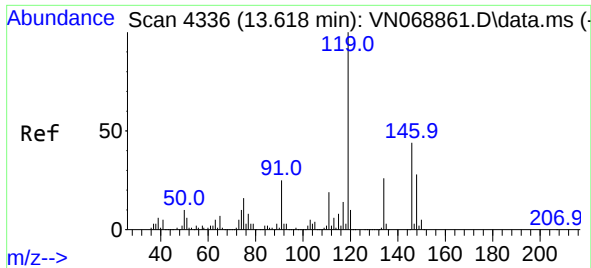
Tgt Ion:117 Resp: 526204  
Ion Ratio Lower Upper  
117 100  
82 56.9 46.4 69.6  
119 32.0 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069092.D  
Acq: 21 Oct 2021 16:53

Tgt Ion:152 Resp: 203679  
Ion Ratio Lower Upper  
152 100  
115 62.7 31.4 94.3  
150 157.6 0.0 351.0





#86  
 p-Isopropyltoluene  
 Concen: 1.154 ug/l  
 RT: 13.618 min Scan# 4336  
 Delta R.T. -0.000 min  
 Lab File: VN069092.D  
 Acq: 21 Oct 2021 16:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Tgt Ion:119 Resp: 15755  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 12.9 38.6  
 91 24.7 12.8 38.4

