

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081221\  
 Data File : VN068098.D  
 Acq On : 12 Aug 2021 18:43  
 Operator : JC/MD  
 Sample : M3361-12 50X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 41940

Quant Time: Aug 13 05:45:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 29 15:02:35 2021  
 Response via : Initial Calibration

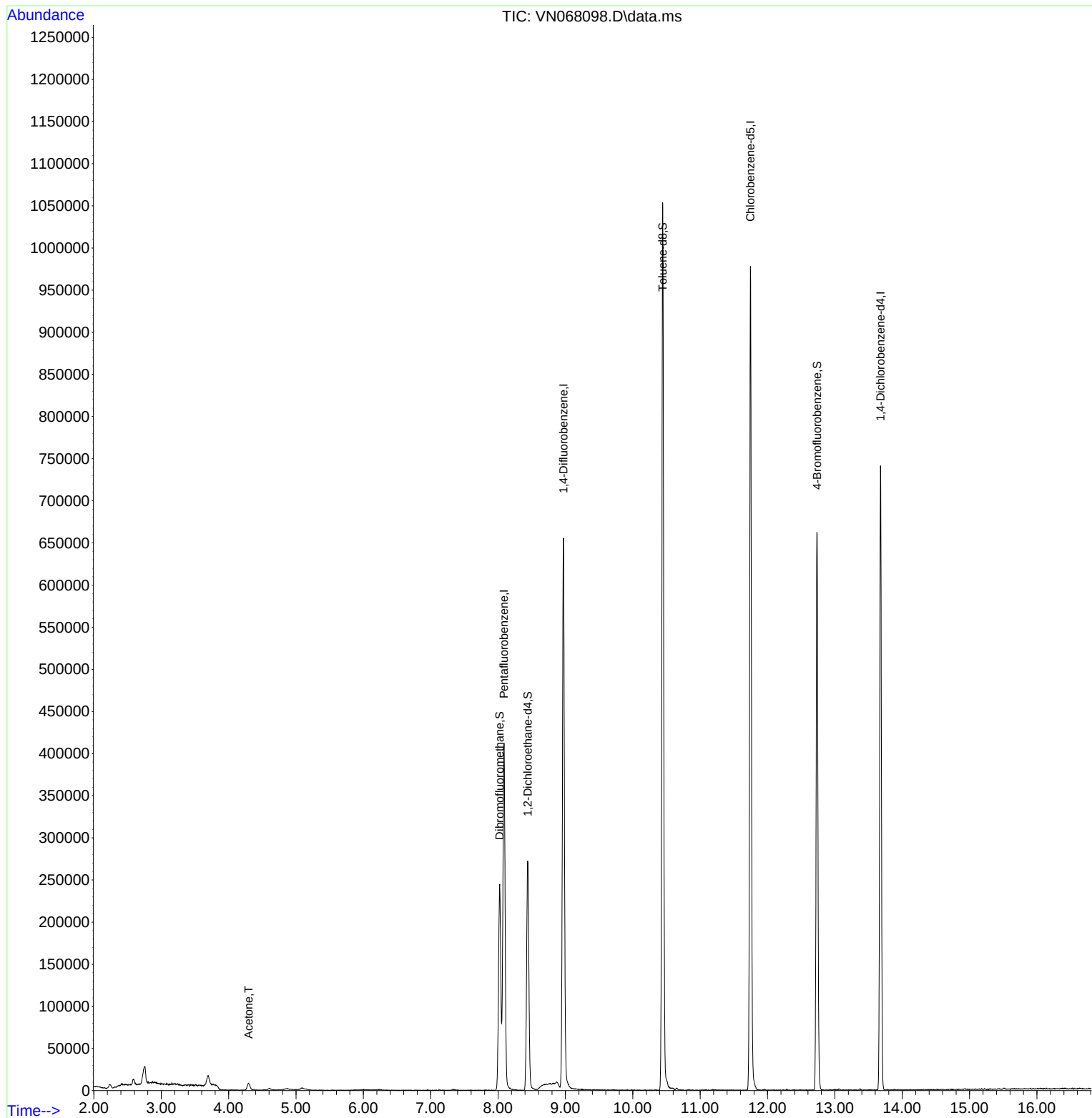
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|------------|-----------|
| -----                       |        |       |          |          |            |           |
| Internal Standards          |        |       |          |          |            |           |
| 1) Pentafluorobenzene       | 8.088  | 168   | 297519   | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.971  | 114   | 576205   | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.747 | 117   | 570423   | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.678 | 152   | 192986   | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |        |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 231347   | 54.927   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | = 109.860% |           |
| 35) Dibromofluoromethane    | 8.024  | 113   | 179743   | 53.526   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | = 107.060% |           |
| 50) Toluene-d8              | 10.443 | 98    | 735628   | 47.663   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | = 95.320%  |           |
| 62) 4-Bromofluorobenzene    | 12.736 | 95    | 242541   | 43.478   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | = 86.960%  |           |
| Target Compounds            |        |       |          |          |            |           |
| 16) Acetone                 | 4.296  | 43    | 15464    | 10.062   | ug/l       | Qvalue 91 |
| -----                       |        |       |          |          |            |           |

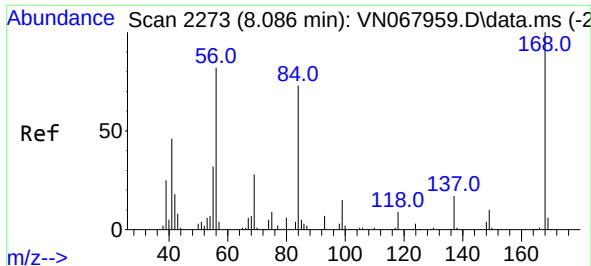
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3361-12 50X  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
41940

Quant Time: Aug 13 05:45:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072921W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 29 15:02:35 2021  
Response via : Initial Calibration

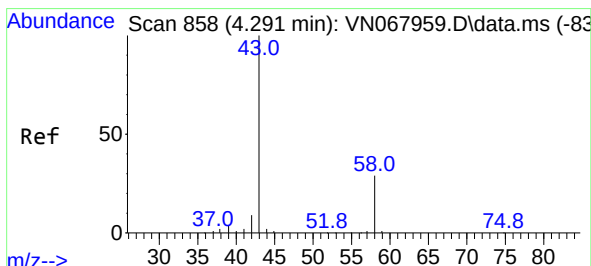
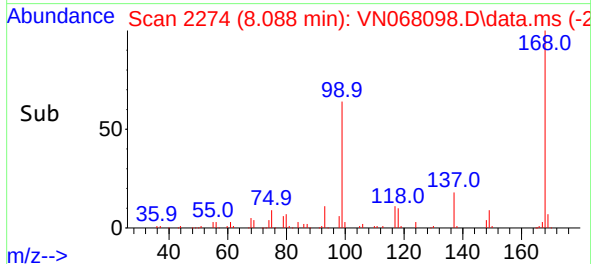
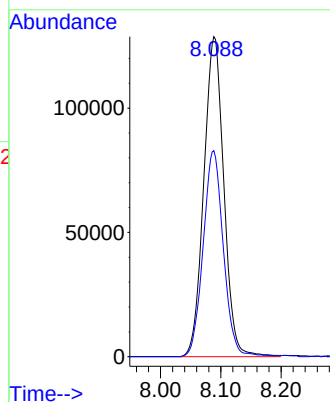
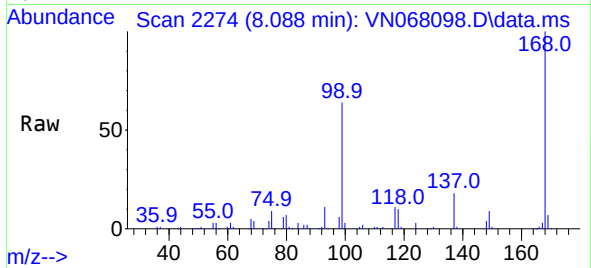




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN068098.D  
Acq: 12 Aug 2021 18:43

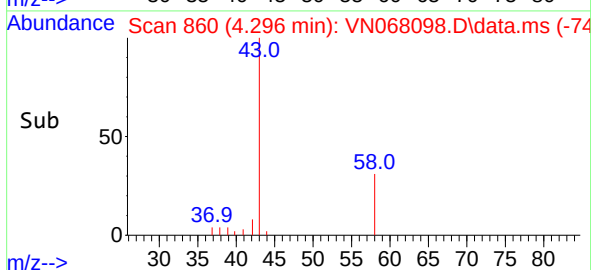
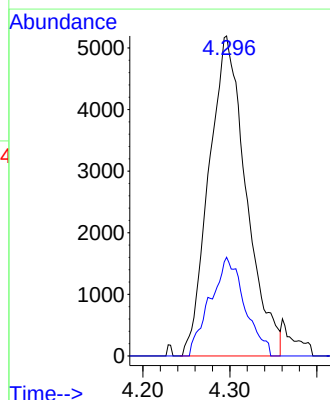
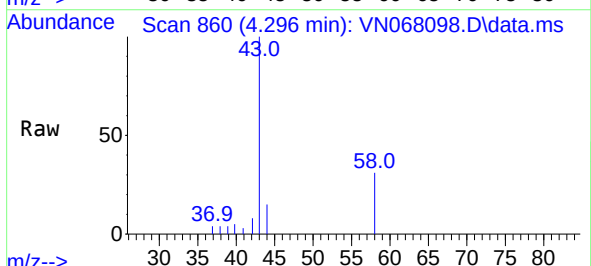
Instrument :  
MSVOA\_N  
ClientSampled :  
41940

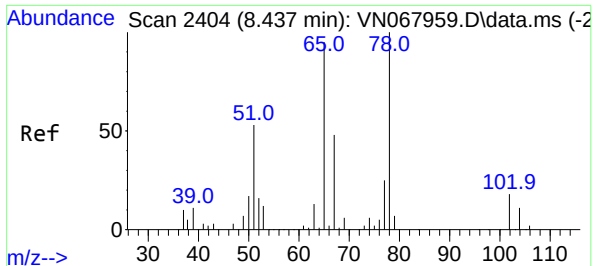
Tgt Ion:168 Resp: 297519  
Ion Ratio Lower Upper  
168 100  
99 64.4 62.9 94.3



#16  
Acetone  
Concen: 10.062 ug/l  
RT: 4.296 min Scan# 860  
Delta R.T. 0.005 min  
Lab File: VN068098.D  
Acq: 12 Aug 2021 18:43

Tgt Ion: 43 Resp: 15464  
Ion Ratio Lower Upper  
43 100  
58 30.9 21.2 31.8



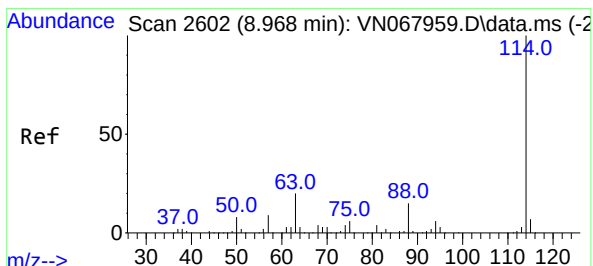
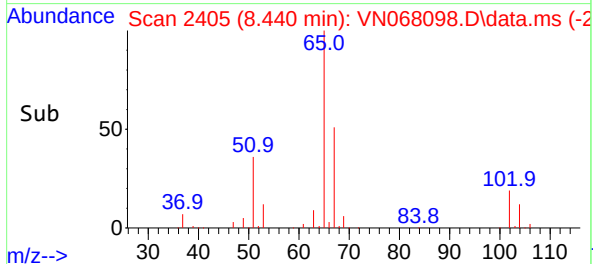
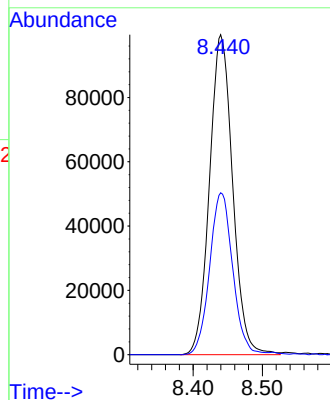
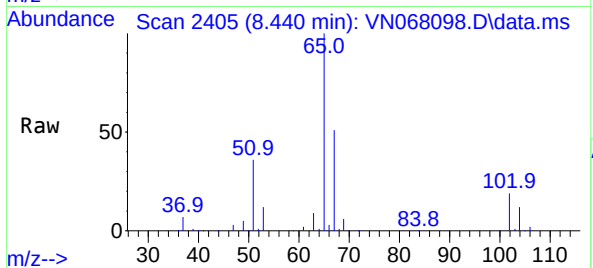


#33

1,2-Dichloroethane-d4  
Concen: 54.927 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.003 min  
Lab File: VN068098.D  
Acq: 12 Aug 2021 18:43

Instrument :  
MSVOA\_N  
ClientSampled :  
41940

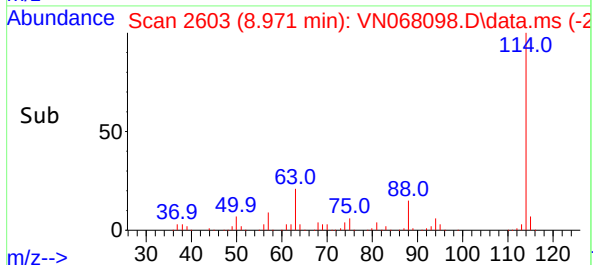
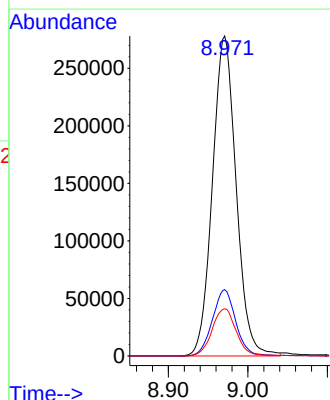
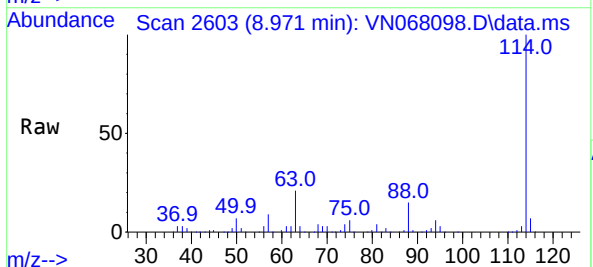
Tgt Ion: 65 Resp: 231347  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 98.6

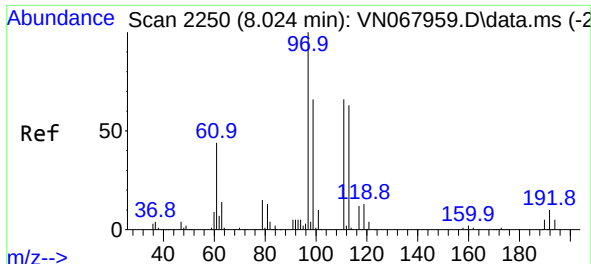


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068098.D  
Acq: 12 Aug 2021 18:43

Tgt Ion: 114 Resp: 576205  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 49.0  
88 14.8 0.0 36.6



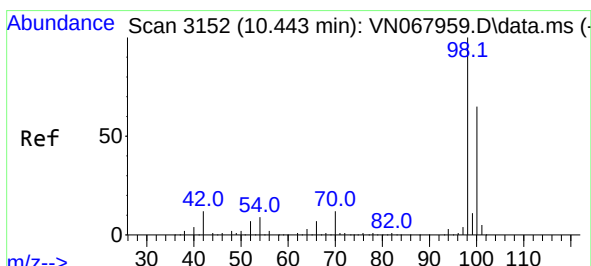
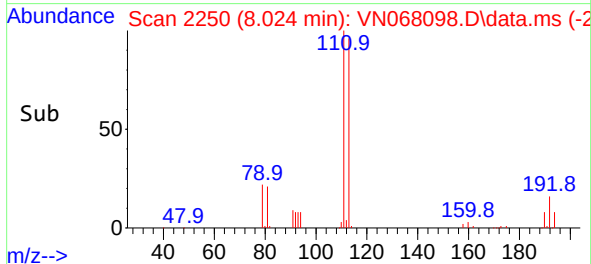
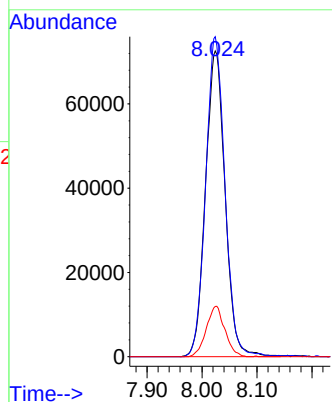
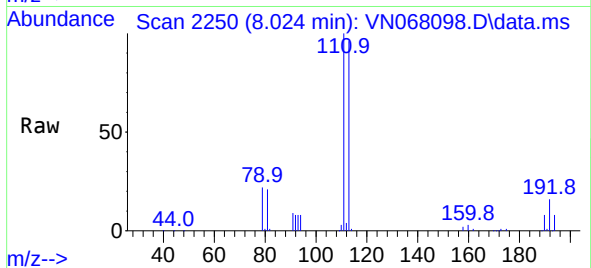


#35  
 Dibromofluoromethane  
 Concen: 53.526 ug/l  
 RT: 8.024 min Scan# 2250  
 Delta R.T. 0.000 min  
 Lab File: VN068098.D  
 Acq: 12 Aug 2021 18:43

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 41940

Tgt Ion:113 Resp: 179743

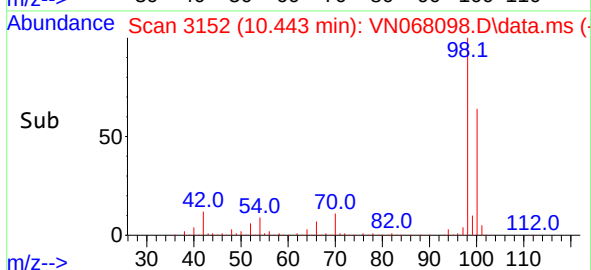
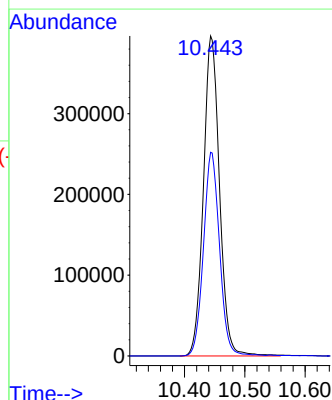
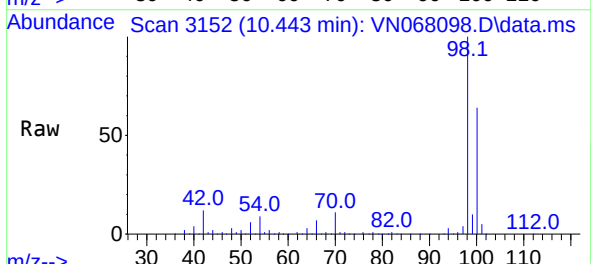
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.3 | 83.8  | 125.8 |
| 192 | 15.7  | 13.4  | 20.0  |

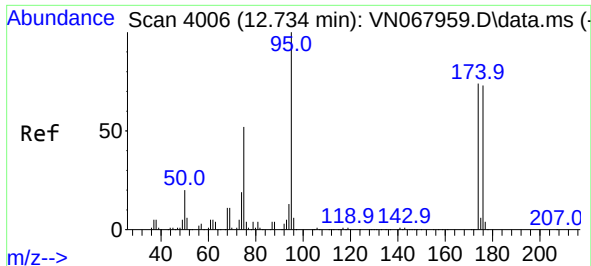


#50  
 Toluene-d8  
 Concen: 47.663 ug/l  
 RT: 10.443 min Scan# 3152  
 Delta R.T. 0.000 min  
 Lab File: VN068098.D  
 Acq: 12 Aug 2021 18:43

Tgt Ion: 98 Resp: 735628

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 63.4  | 51.7  | 77.5  |

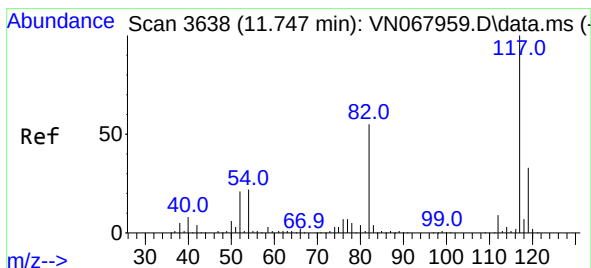
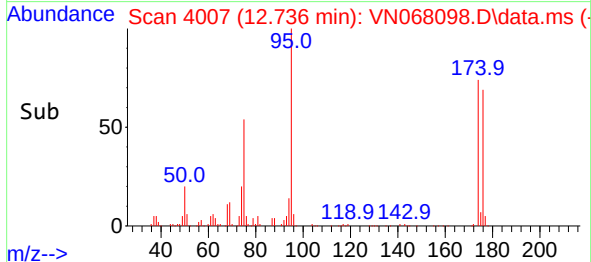
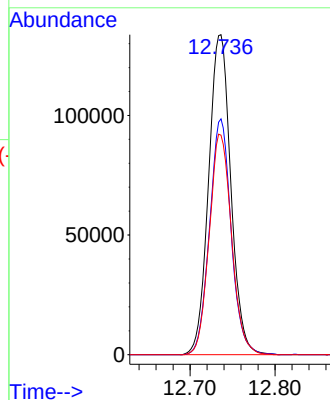
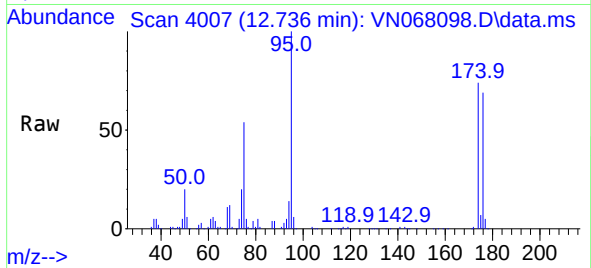




#62  
4-Bromofluorobenzene  
Concen: 43.478 ug/l  
RT: 12.736 min Scan# 4007  
Delta R.T. 0.002 min  
Lab File: VN068098.D  
Acq: 12 Aug 2021 18:43

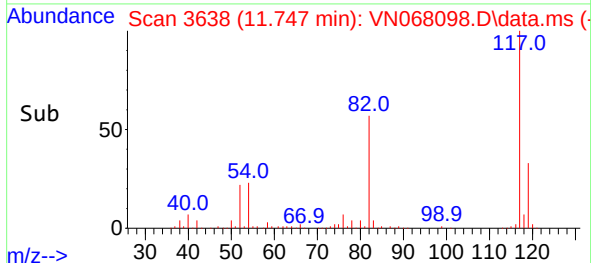
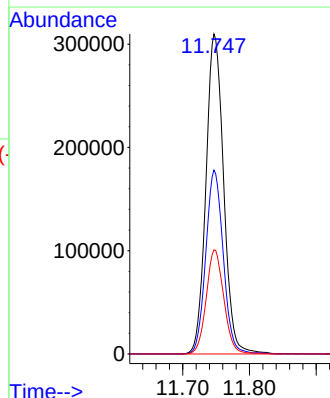
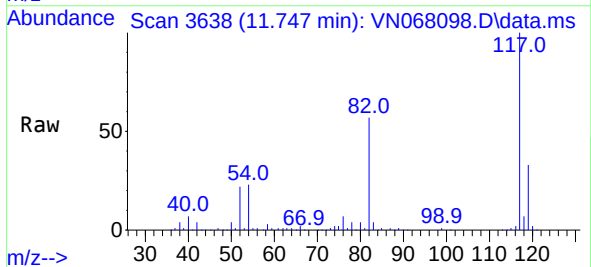
Instrument :  
MSVOA\_N  
ClientSampled :  
41940

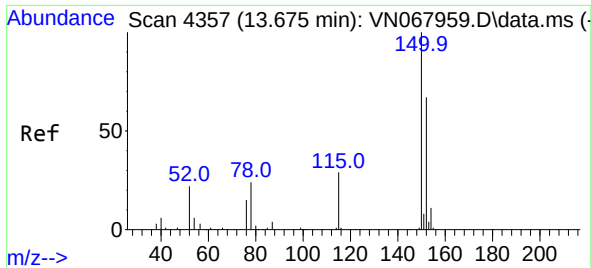
Tgt Ion: 95 Resp: 242541  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 122.0  
176 69.1 0.0 117.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068098.D  
Acq: 12 Aug 2021 18:43

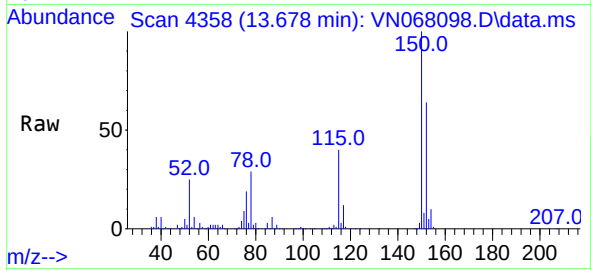
Tgt Ion: 117 Resp: 570423  
Ion Ratio Lower Upper  
117 100  
82 57.5 53.1 79.7  
119 32.5 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.678 min Scan# 4358  
 Delta R.T. 0.003 min  
 Lab File: VN068098.D  
 Acq: 12 Aug 2021 18:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 41940



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 192986 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 62.9  | 36.1  | 108.5  |
| 150      | 157.3 | 0.0   | 351.8  |

