

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101821\  
 Data File : VN068990.D  
 Acq On : 18 Oct 2021 19:46  
 Operator : JC/MD  
 Sample : M4244-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T5-2-TOP-GRAB

Quant Time: Oct 19 06:40:04 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

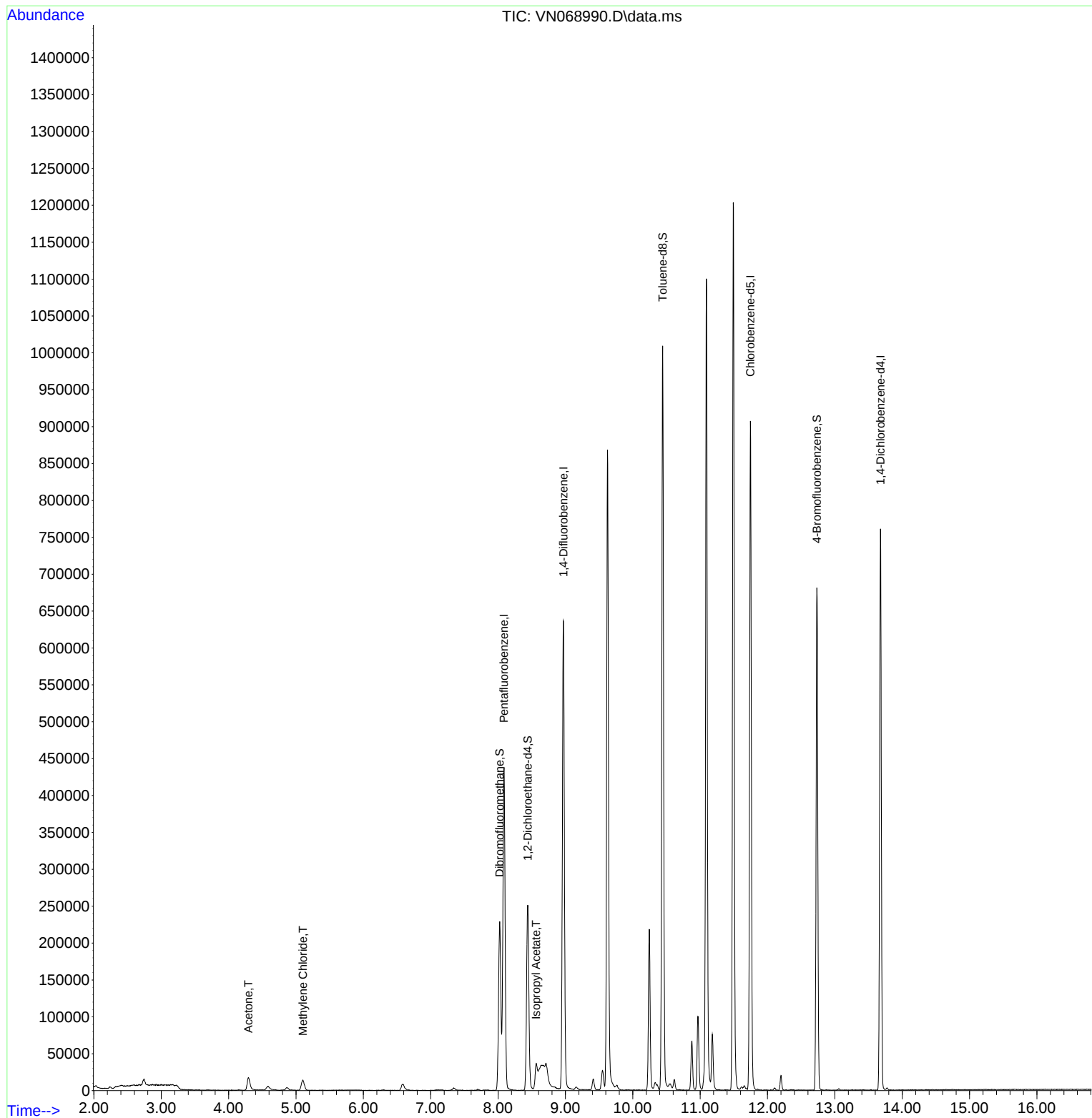
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.088  | 168   | 328562   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971  | 114   | 573742   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.746 | 117   | 532140   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677 | 152   | 201456   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 214198   | 49.446   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 98.900%  |
| 35) Dibromofluoromethane    | 8.024  | 113   | 171162   | 51.276   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 102.560% |
| 50) Toluene-d8              | 10.443 | 98    | 713243   | 53.402   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 106.800% |
| 62) 4-Bromofluorobenzene    | 12.733 | 95    | 250200   | 49.651   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 99.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.293  | 43    | 33541    | 20.748   | ug/l   | 95       |
| 20) Methylene Chloride      | 5.103  | 84    | 11609    | 3.120    | ug/l   | 91       |
| 43) Isopropyl Acetate       | 8.563  | 43    | 43610    | 4.883    | ug/l # | 80       |
| -----                       |        |       |          |          |        |          |

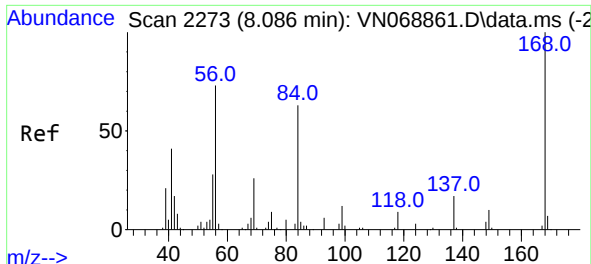
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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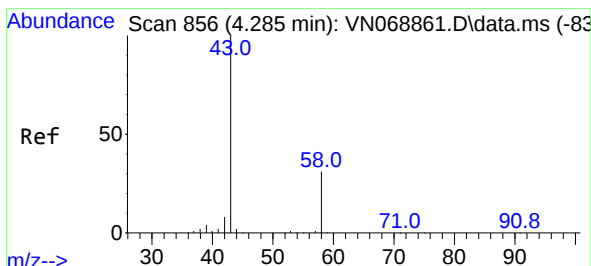
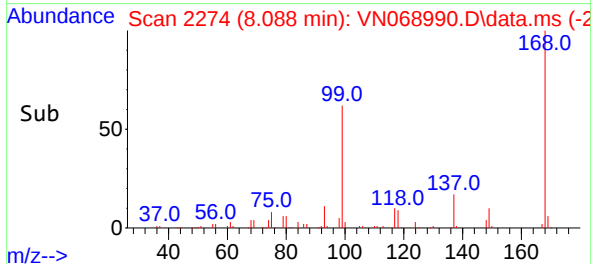
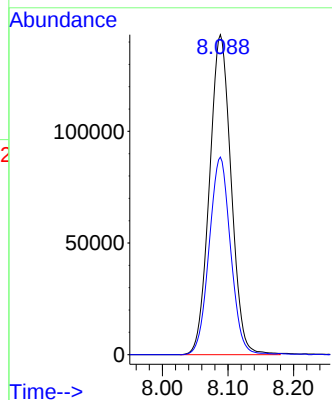
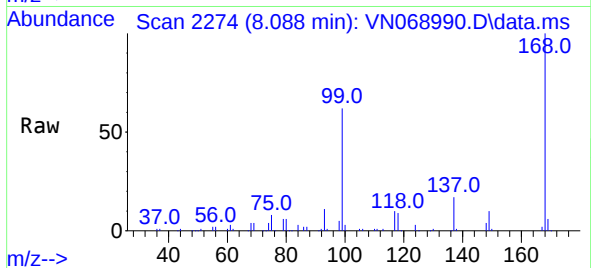




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

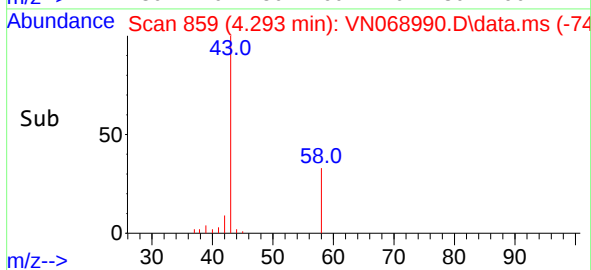
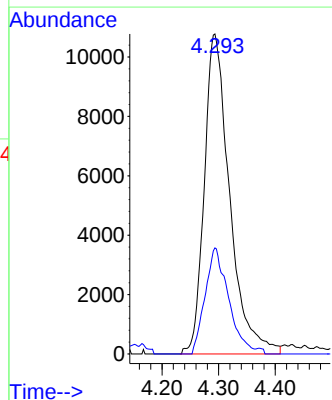
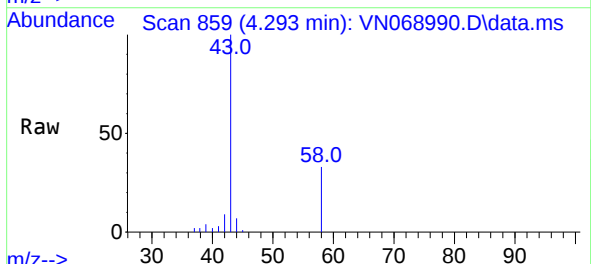
Instrument :  
MSVOA\_N  
ClientSampleId :  
T5-2-TOP-GRAB

Tgt Ion:168 Resp: 328562  
Ion Ratio Lower Upper  
168 100  
99 61.8 48.9 73.3



#16  
Acetone  
Concen: 20.748 ug/l  
RT: 4.293 min Scan# 859  
Delta R.T. 0.008 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

Tgt Ion: 43 Resp: 33541  
Ion Ratio Lower Upper  
43 100  
58 33.2 24.5 36.7



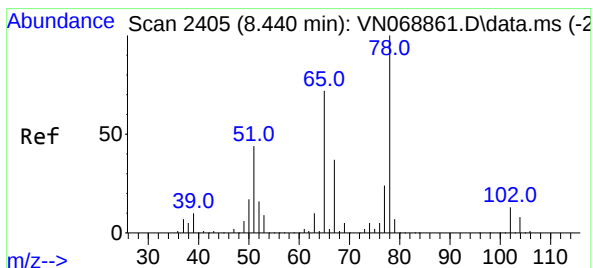
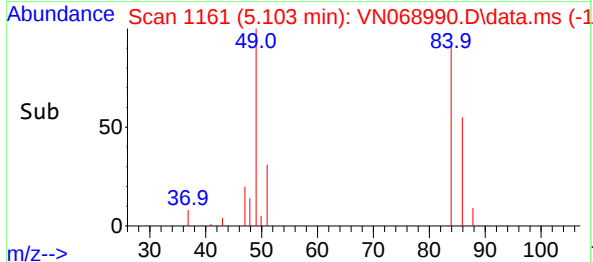
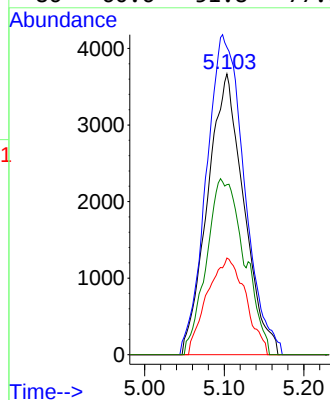
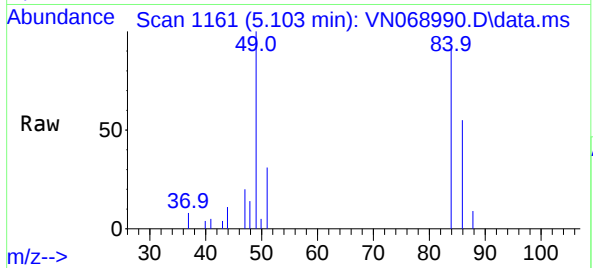


#20  
Methylene Chloride  
Concen: 3.120 ug/l  
RT: 5.103 min Scan# 1161  
Delta R.T. 0.008 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

Instrument :  
MSVOA\_N  
ClientSampled :  
T5-2-TOP-GRAB

Tgt Ion: 84 Resp: 11609

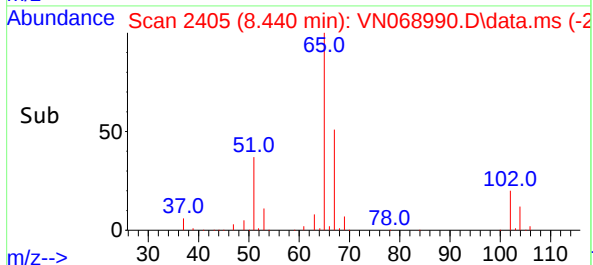
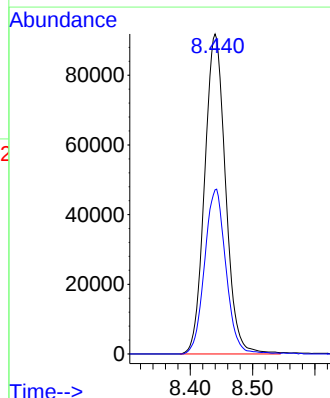
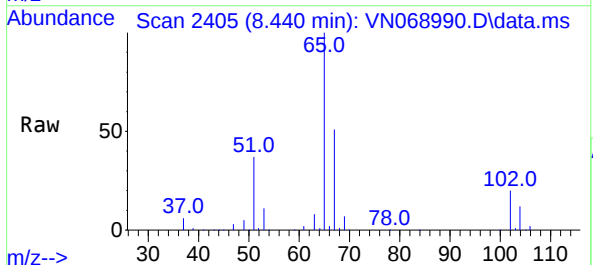
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 109.5 | 97.6  | 146.4 |
| 51  | 34.4  | 30.3  | 45.5  |
| 86  | 60.6  | 51.8  | 77.6  |

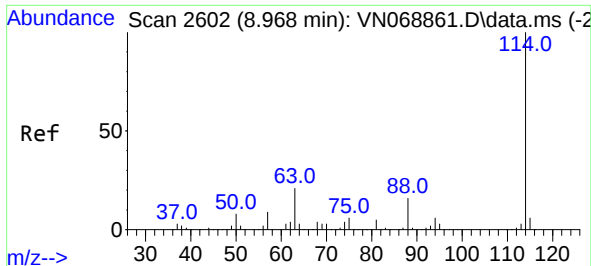


#33  
1,2-Dichloroethane-d4  
Concen: 49.446 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

Tgt Ion: 65 Resp: 214198

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.4  | 0.0   | 103.8 |

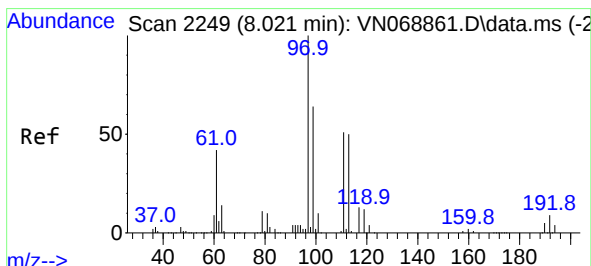
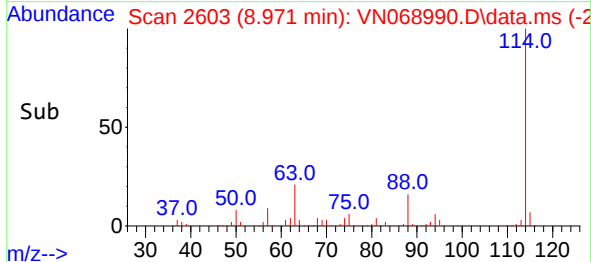
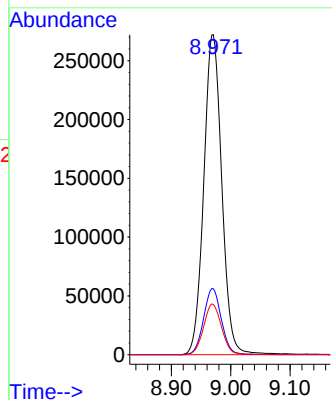
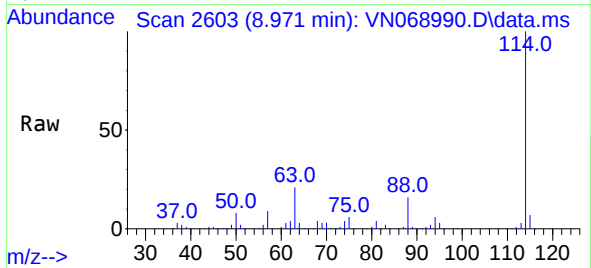




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

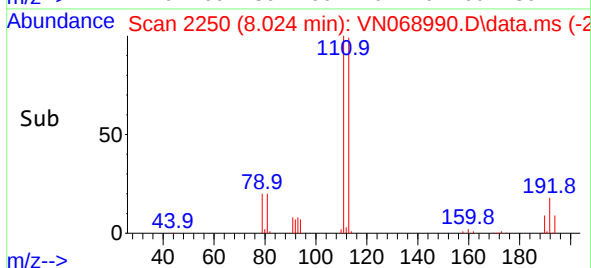
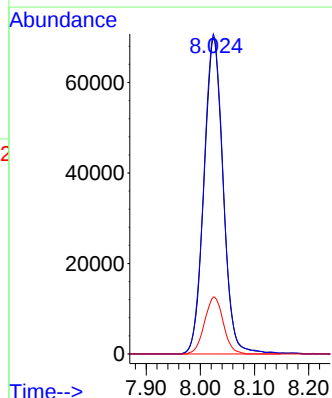
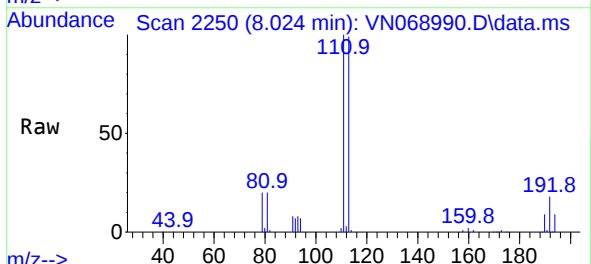
Instrument :  
MSVOA\_N  
ClientSampleId :  
T5-2-TOP-GRAB

Tgt Ion:114 Resp: 573742  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 42.6  
88 15.7 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 51.276 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

Tgt Ion:113 Resp: 171162  
Ion Ratio Lower Upper  
113 100  
111 102.0 83.2 124.8  
192 17.7 15.0 22.4



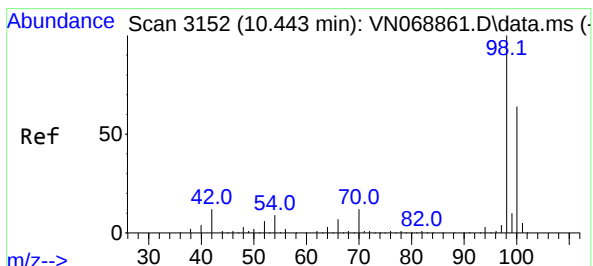
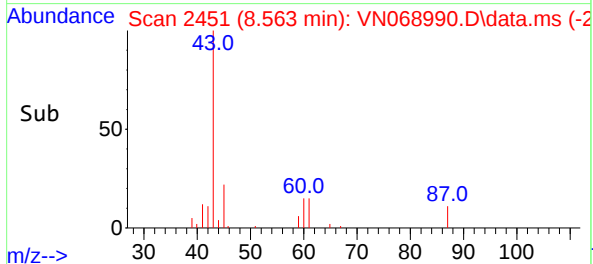
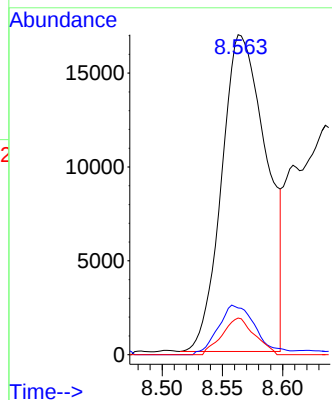
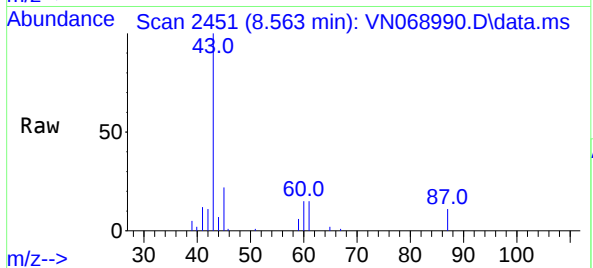


#43

Isopropyl Acetate  
Concen: 4.883 ug/l  
RT: 8.563 min Scan# 2451  
Delta R.T. 0.003 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
T5-2-TOP-GRAB

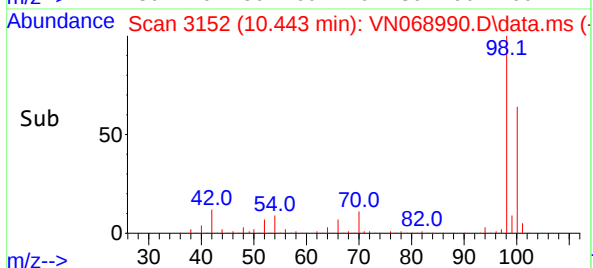
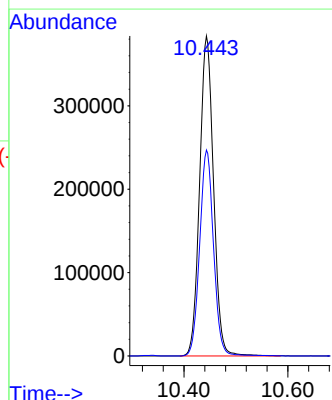
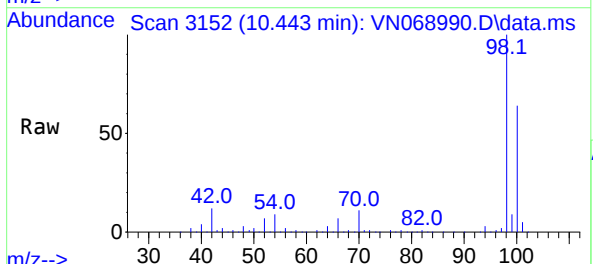
Tgt Ion: 43 Resp: 43610  
Ion Ratio Lower Upper  
43 100  
61 13.2 20.4 30.6#  
87 8.4 10.7 16.1#

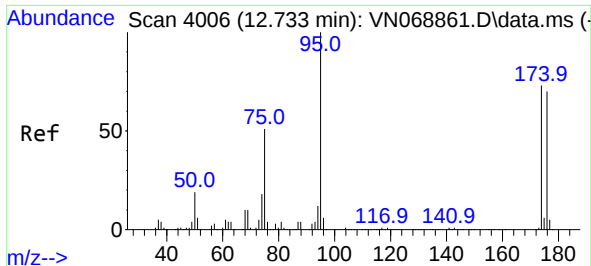


#50

Toluene-d8  
Concen: 53.402 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

Tgt Ion: 98 Resp: 713243  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.5 77.3

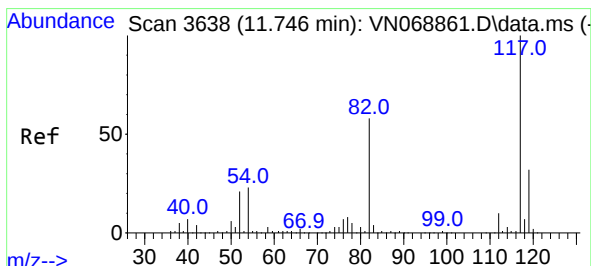
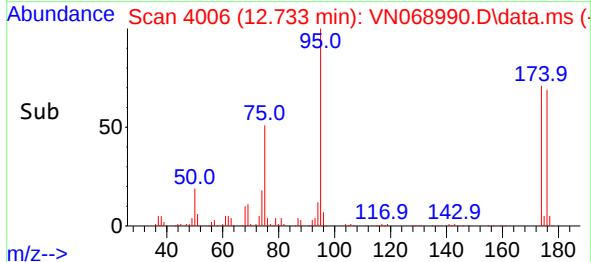
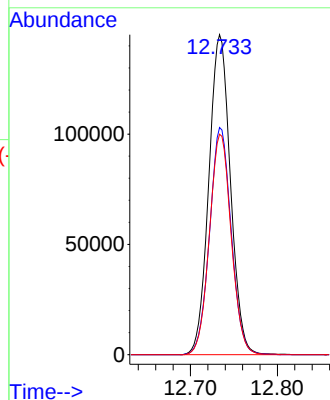
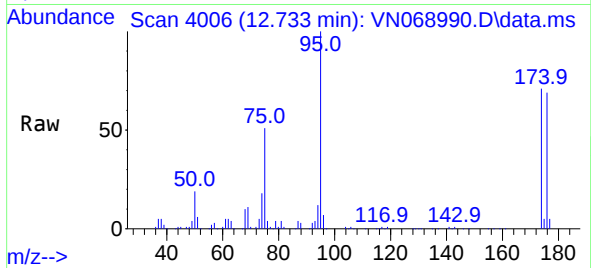




#62  
4-Bromofluorobenzene  
Concen: 49.651 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

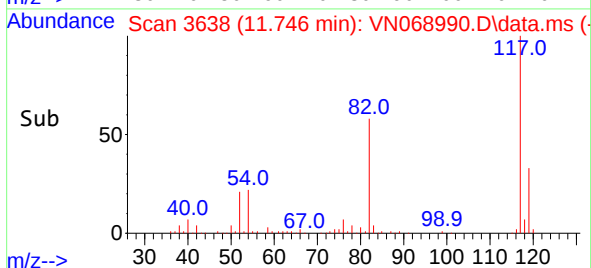
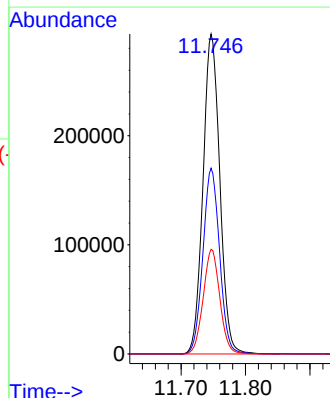
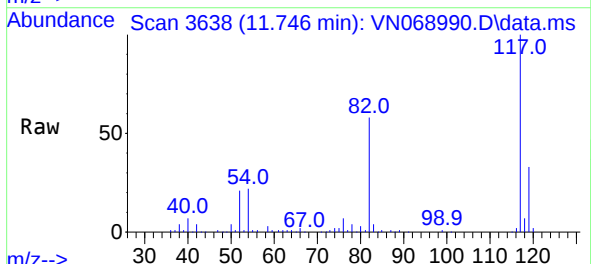
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T5-2-TOP-GRAB

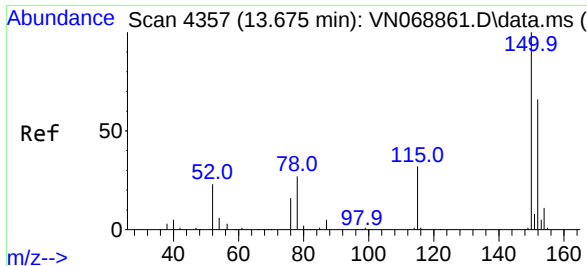
Tgt Ion: 95 Resp: 250200  
Ion Ratio Lower Upper  
95 100  
174 71.0 0.0 144.8  
176 69.3 0.0 140.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068990.D  
Acq: 18 Oct 2021 19:46

Tgt Ion: 117 Resp: 532140  
Ion Ratio Lower Upper  
117 100  
82 58.0 46.4 69.6  
119 32.7 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: VN068990.D  
 Acq: 18 Oct 2021 19:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T5-2-TOP-GRAB

Tgt Ion:152 Resp: 201456  
 Ion Ratio Lower Upper  
 152 100  
 115 63.3 31.4 94.3  
 150 158.5 0.0 351.0

