

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101421\  
 Data File : VN068931.D  
 Acq On : 14 Oct 2021 17:56  
 Operator : JC/MD  
 Sample : M4192-20  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HAR-19

Quant Time: Oct 14 22:48:48 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

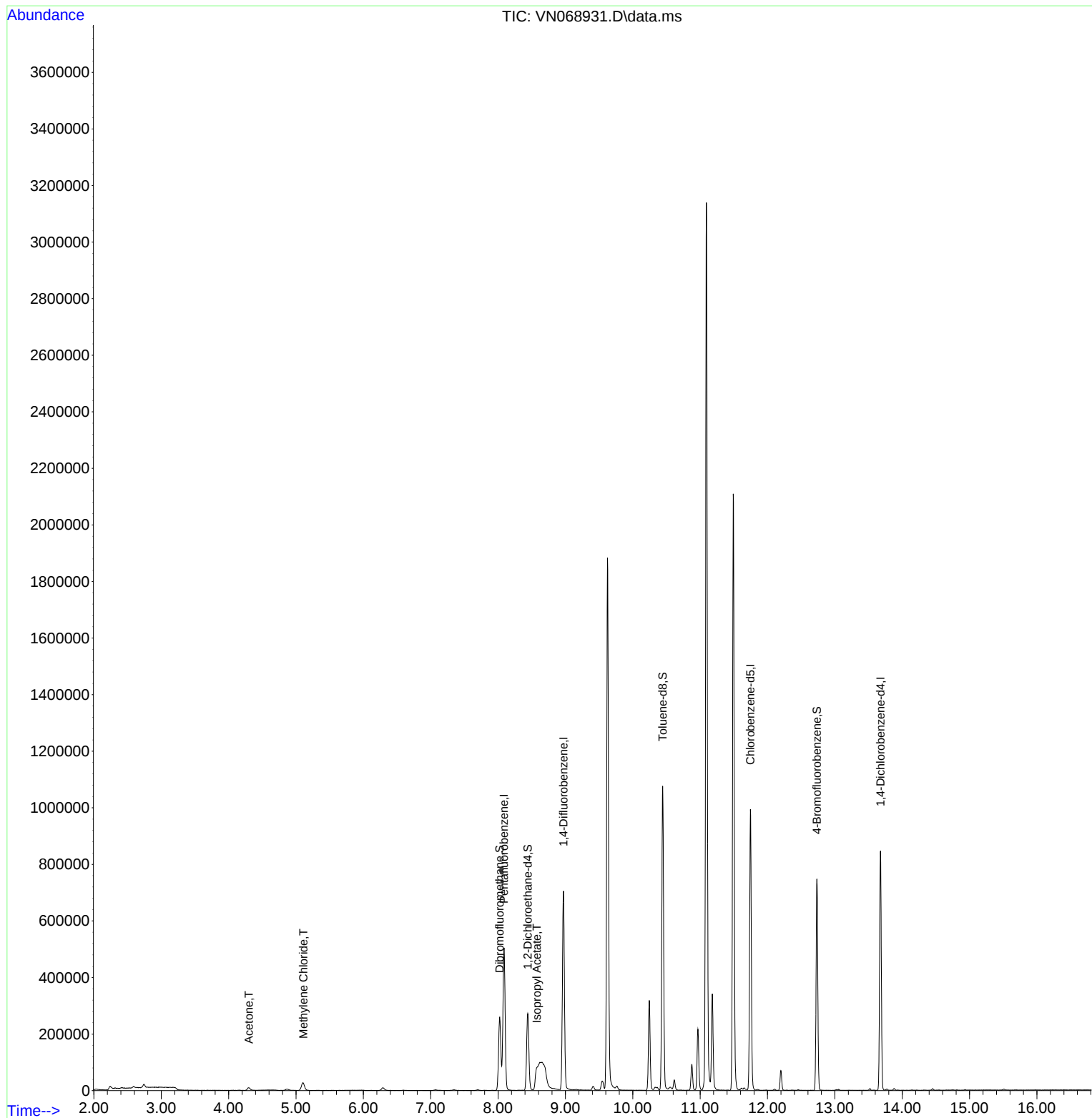
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.088  | 168   | 394459   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971  | 114   | 640549   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.746 | 117   | 585197   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677 | 152   | 233831   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 229731   | 44.172   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 88.340%  |
| 35) Dibromofluoromethane    | 8.024  | 113   | 190799   | 51.197   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 102.400% |
| 50) Toluene-d8              | 10.443 | 98    | 773135   | 51.849   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 103.700% |
| 62) 4-Bromofluorobenzene    | 12.733 | 95    | 266535   | 47.376   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 94.760%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.299  | 43    | 18950    | 9.764    | ug/l   | 92       |
| 20) Methylene Chloride      | 5.109  | 84    | 23390    | 5.236    | ug/l   | 92       |
| 43) Isopropyl Acetate       | 8.574  | 43    | 80376    | 8.062    | ug/l # | 75       |
| -----                       |        |       |          |          |        |          |

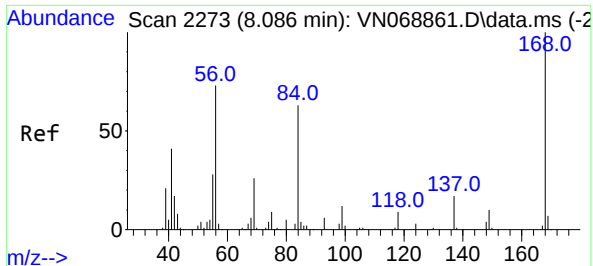
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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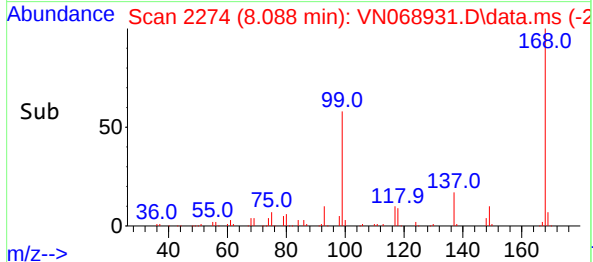
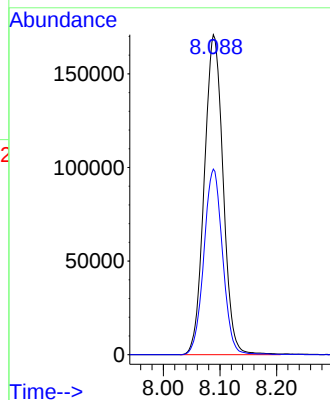
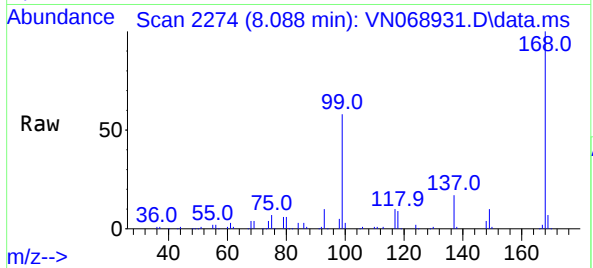




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

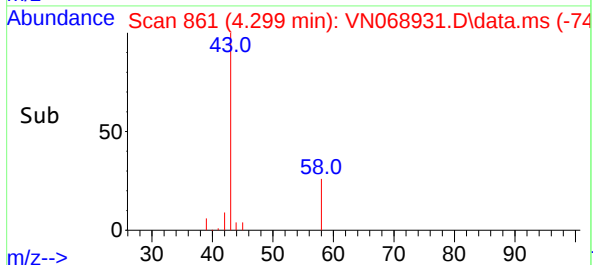
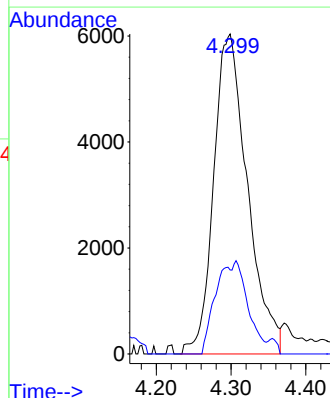
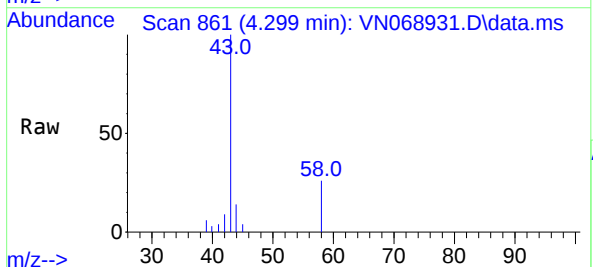
Instrument :  
MSVOA\_N  
ClientSampled :  
HAR-19

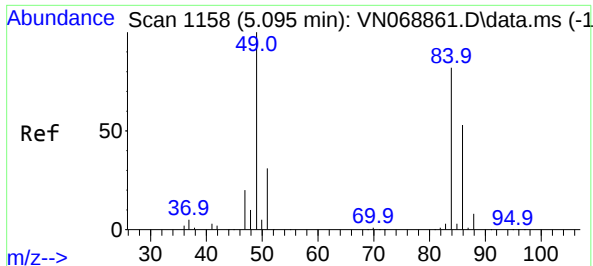
Tgt Ion:168 Resp: 394459  
Ion Ratio Lower Upper  
168 100  
99 58.0 48.9 73.3



#16  
Acetone  
Concen: 9.764 ug/l  
RT: 4.299 min Scan# 861  
Delta R.T. 0.013 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

Tgt Ion: 43 Resp: 18950  
Ion Ratio Lower Upper  
43 100  
58 26.3 24.5 36.7



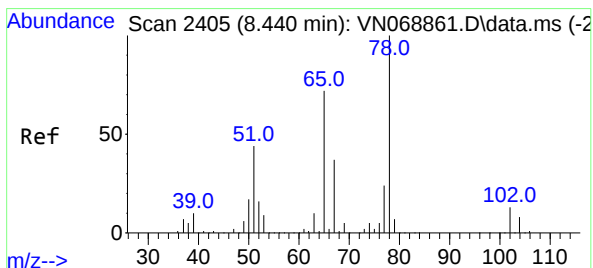
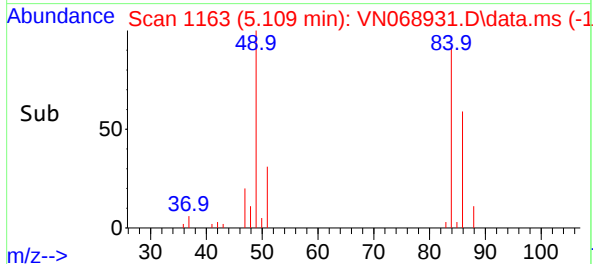
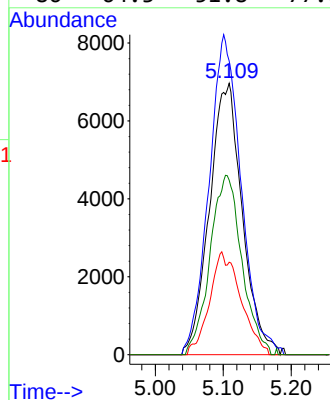
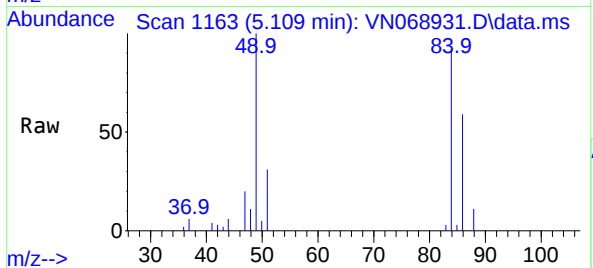


#20  
Methylene Chloride  
Concen: 5.236 ug/l  
RT: 5.109 min Scan# 1163  
Delta R.T. 0.013 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

Instrument :  
MSVOA\_N  
ClientSampled :  
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Tgt Ion: 84 Resp: 23390

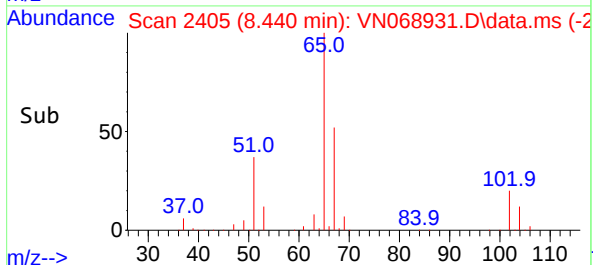
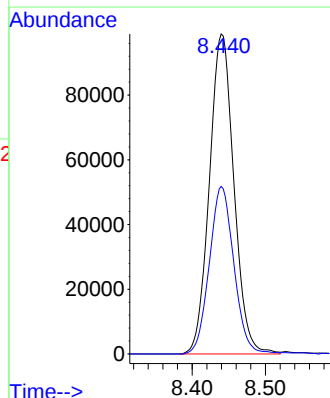
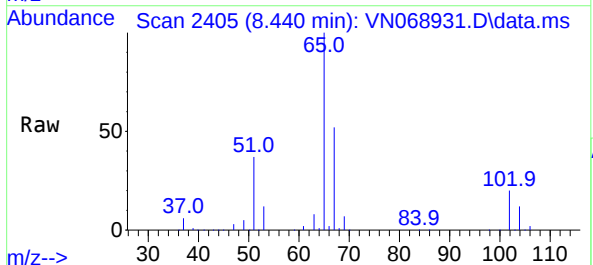
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 108.2 | 97.6  | 146.4 |
| 51  | 34.1  | 30.3  | 45.5  |
| 86  | 64.3  | 51.8  | 77.6  |

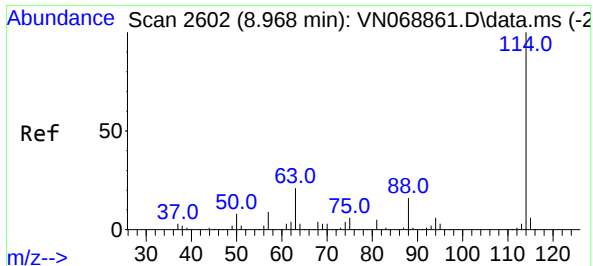


#33  
1,2-Dichloroethane-d4  
Concen: 44.172 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

Tgt Ion: 65 Resp: 229731

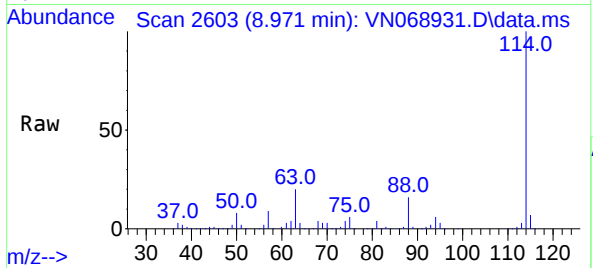
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.4  | 0.0   | 103.8 |



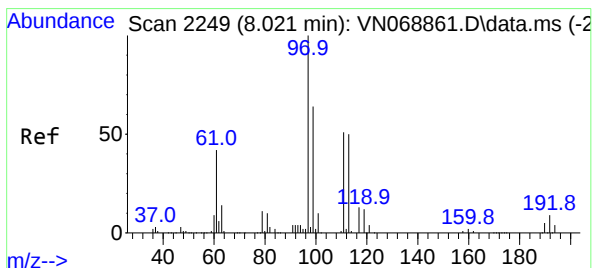
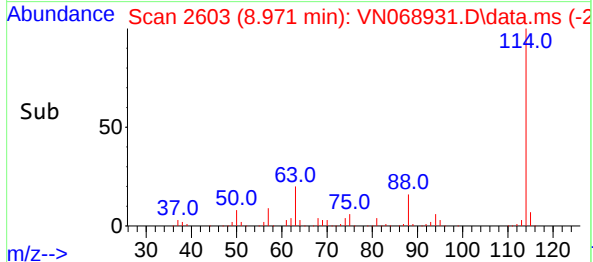
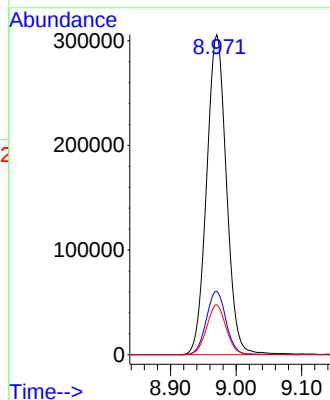


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

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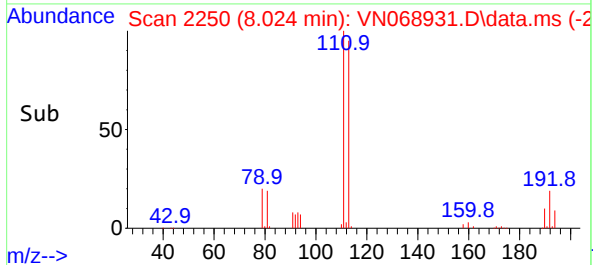
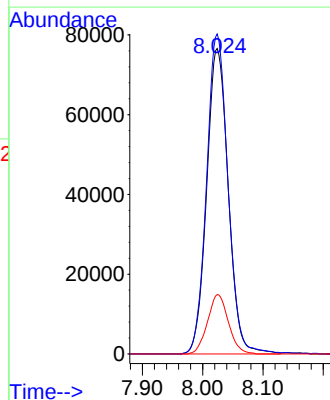
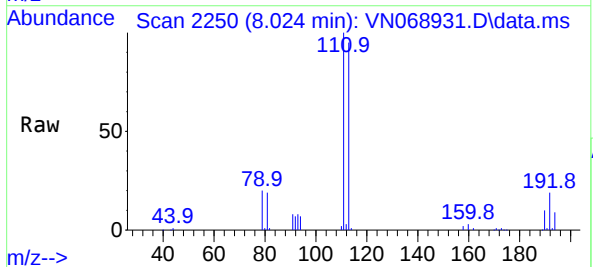


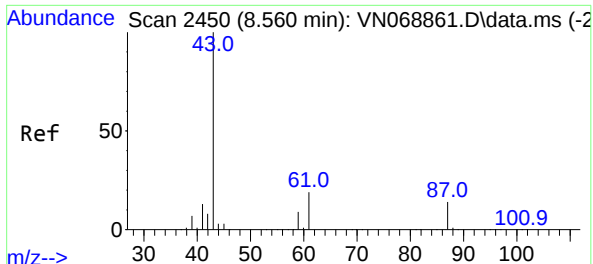
Tgt Ion:114 Resp: 640549  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 42.6  
88 15.6 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 51.197 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

Tgt Ion:113 Resp: 190799  
Ion Ratio Lower Upper  
113 100  
111 104.1 83.2 124.8  
192 18.8 15.0 22.4

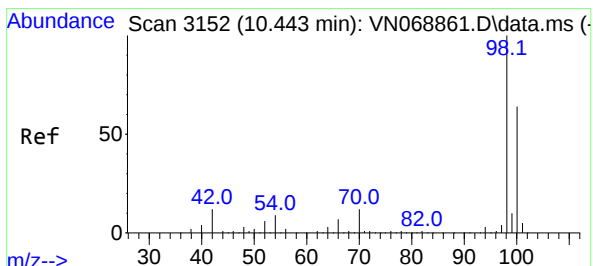
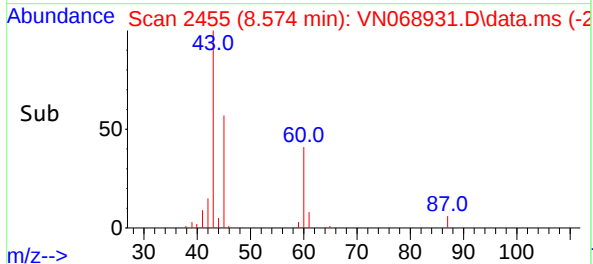
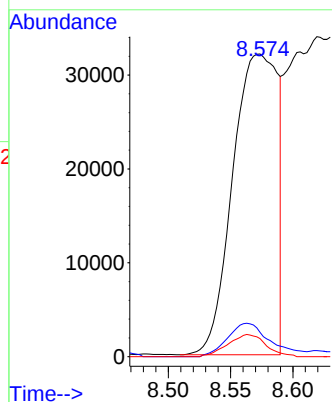
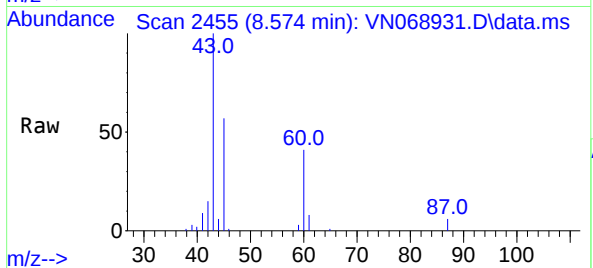




#43  
Isopropyl Acetate  
Concen: 8.062 ug/l  
RT: 8.574 min Scan# 2455  
Delta R.T. 0.013 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

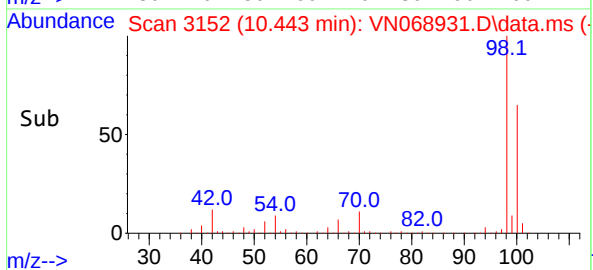
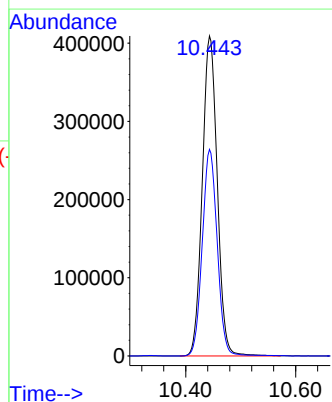
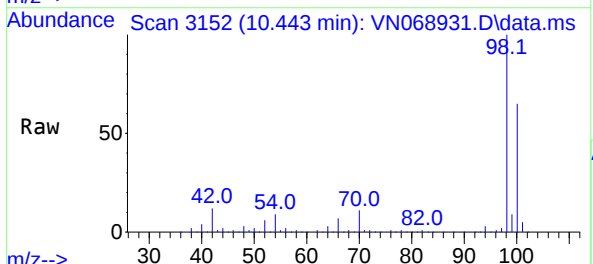
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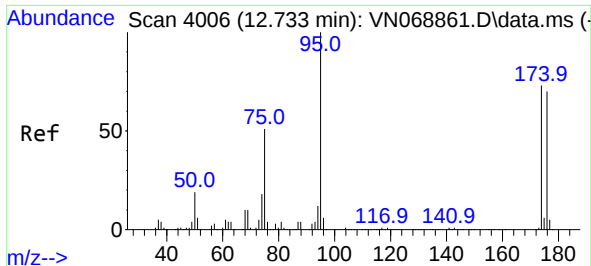
Tgt Ion: 43 Resp: 80376  
Ion Ratio Lower Upper  
43 100  
61 10.7 20.4 30.6#  
87 6.3 10.7 16.1#



#50  
Toluene-d8  
Concen: 51.849 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

Tgt Ion: 98 Resp: 773135  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.5 77.3

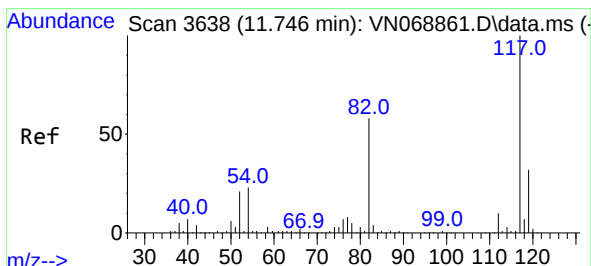
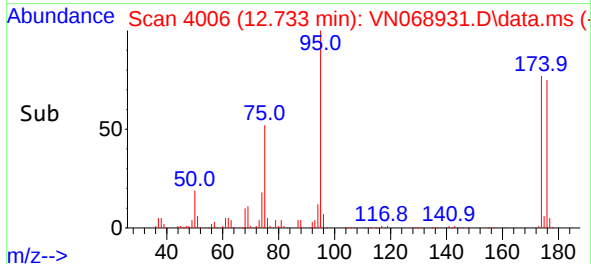
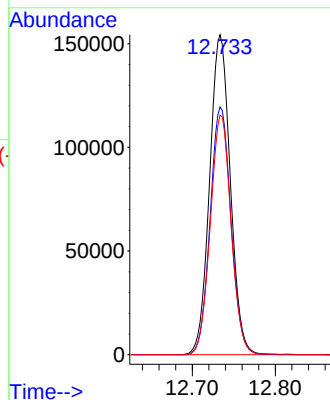
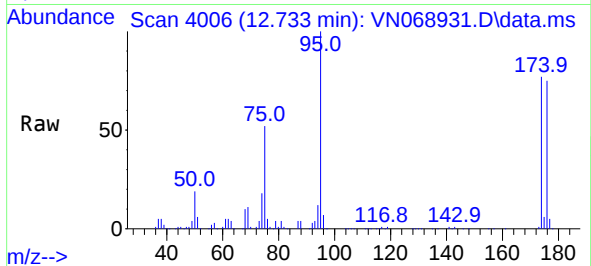




#62  
4-Bromofluorobenzene  
Concen: 47.376 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

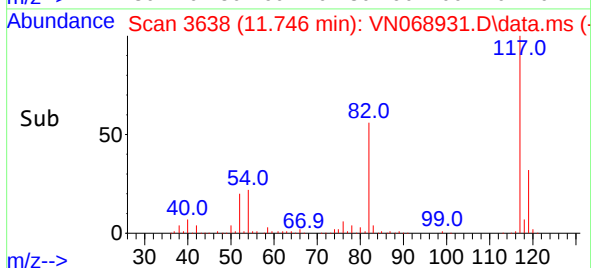
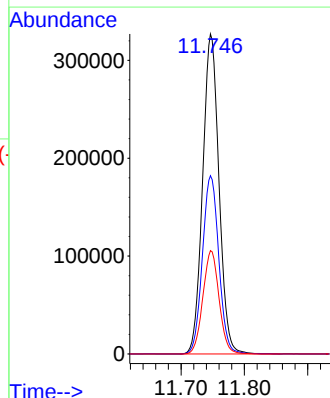
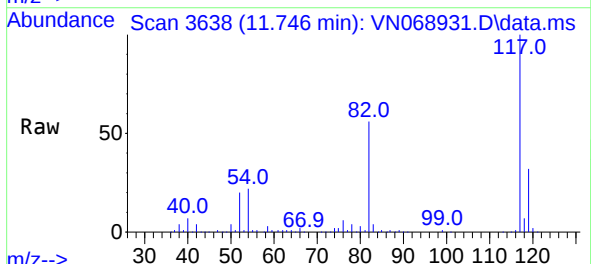
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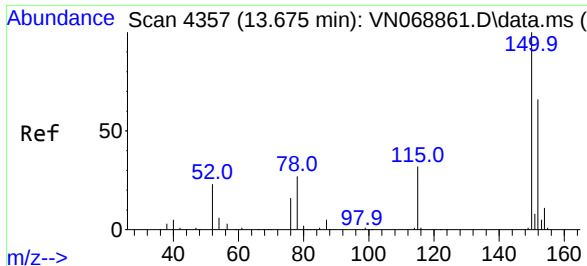
Tgt Ion: 95 Resp: 266535  
Ion Ratio Lower Upper  
95 100  
174 78.2 0.0 144.8  
176 75.1 0.0 140.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068931.D  
Acq: 14 Oct 2021 17:56

Tgt Ion: 117 Resp: 585197  
Ion Ratio Lower Upper  
117 100  
82 55.7 46.4 69.6  
119 32.3 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: VN068931.D  
 Acq: 14 Oct 2021 17:56

Instrument :  
 MSVOA\_N  
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 HAR-19

Tgt Ion:152 Resp: 233831  
 Ion Ratio Lower Upper  
 152 100  
 115 61.2 31.4 94.3  
 150 156.8 0.0 351.0

