

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101421\  
 Data File : VN068932.D  
 Acq On : 14 Oct 2021 18:21  
 Operator : JC/MD  
 Sample : M4192-22  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HAR-21

Quant Time: Oct 14 22:49:17 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

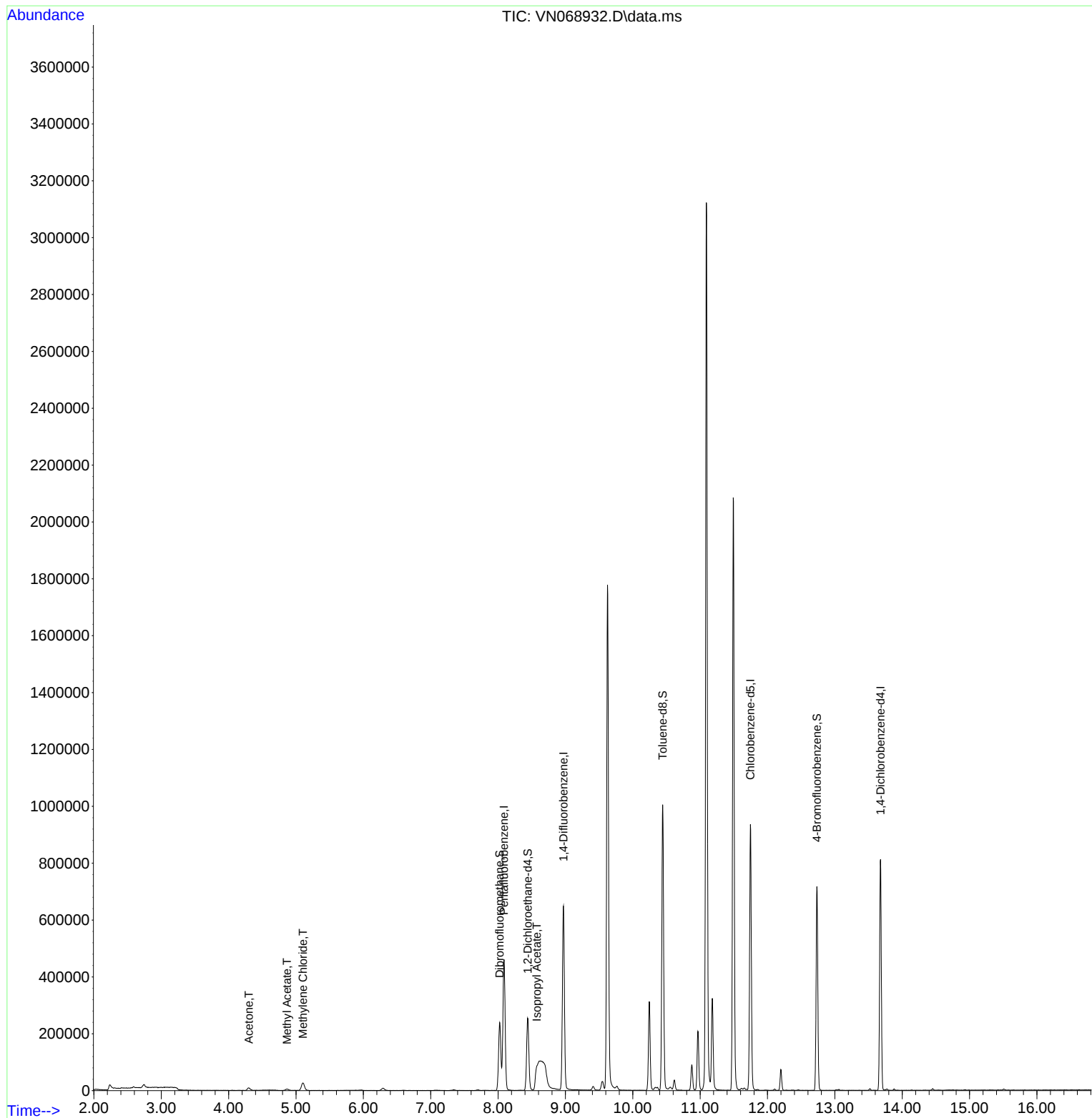
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.088  | 168   | 362974   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971  | 114   | 589146   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.746 | 117   | 555654   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677 | 152   | 223413   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 213096   | 44.528   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 89.060%  |
| 35) Dibromofluoromethane    | 8.024  | 113   | 175455   | 51.187   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 102.380% |
| 50) Toluene-d8              | 10.443 | 98    | 717513   | 52.317   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 104.640% |
| 62) 4-Bromofluorobenzene    | 12.733 | 95    | 257963   | 49.853   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 99.700%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.299  | 43    | 17706    | 9.914    | ug/l   | 99       |
| 18) Methyl Acetate          | 4.867  | 43    | 11145    | 1.645    | ug/l   | 95       |
| 20) Methylene Chloride      | 5.103  | 84    | 22471    | 5.467    | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.576  | 43    | 71678    | 7.817    | ug/l # | 76       |
| -----                       |        |       |          |          |        |          |

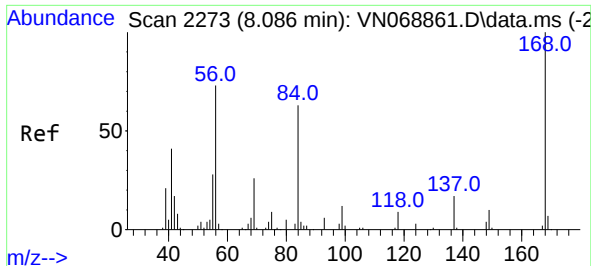
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

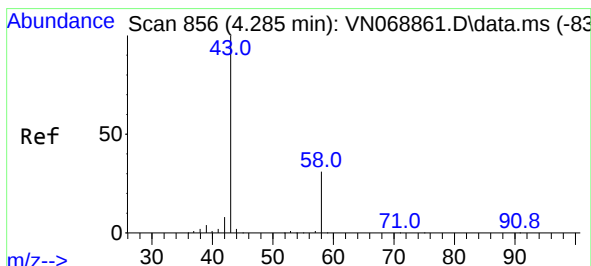
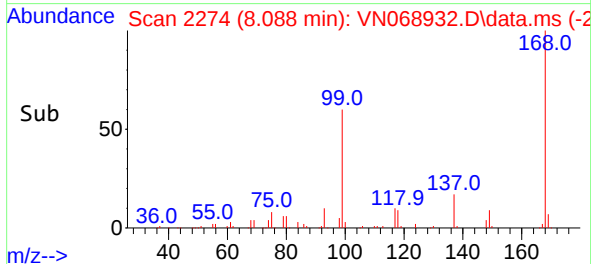
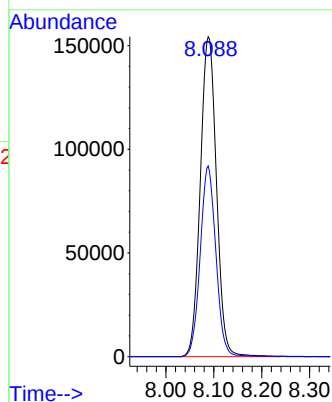
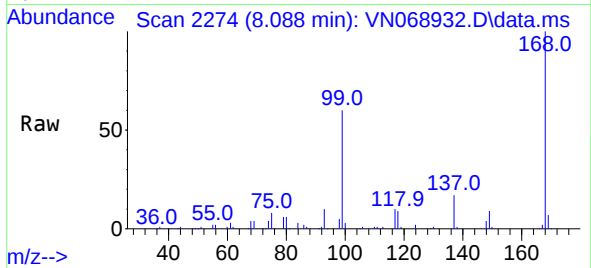




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

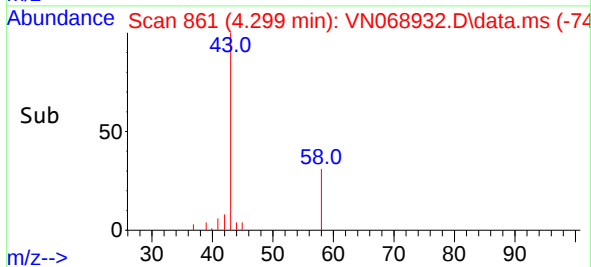
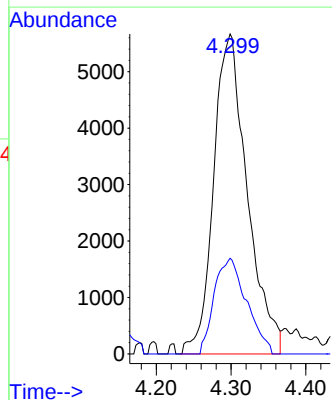
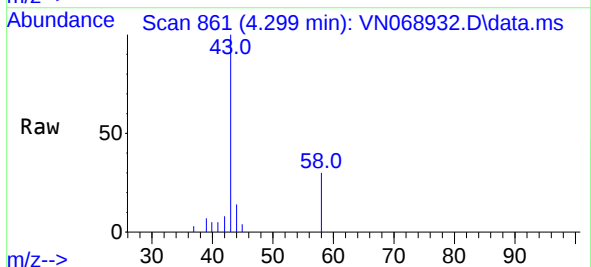
Instrument :  
MSVOA\_N  
ClientSampled :  
HAR-21

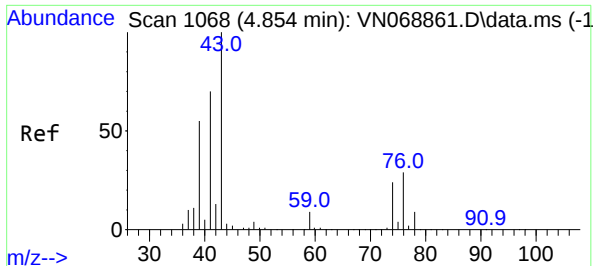
Tgt Ion:168 Resp: 362974  
Ion Ratio Lower Upper  
168 100  
99 59.6 48.9 73.3



#16  
Acetone  
Concen: 9.914 ug/l  
RT: 4.299 min Scan# 861  
Delta R.T. 0.013 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

Tgt Ion: 43 Resp: 17706  
Ion Ratio Lower Upper  
43 100  
58 29.9 24.5 36.7





#18

Methyl Acetate

Concen: 1.645 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.013 min

Lab File: VN068932.D

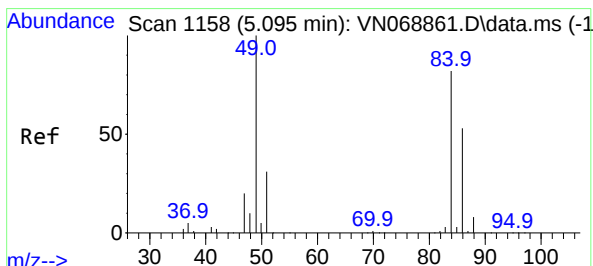
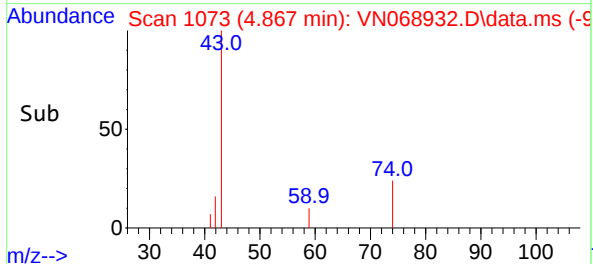
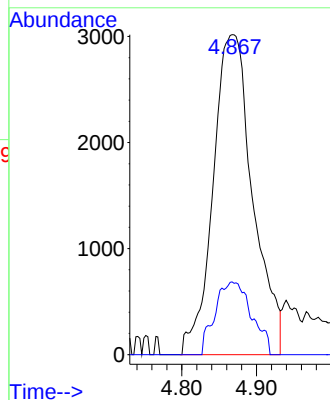
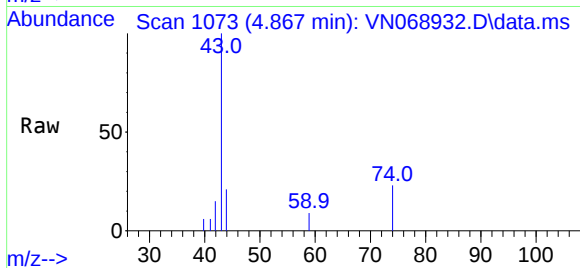
Acq: 14 Oct 2021 18:21

Tgt Ion: 43 Resp: 11145

Ion Ratio Lower Upper

43 100

74 20.9 18.9 28.3



#20

Methylene Chloride

Concen: 5.467 ug/l

RT: 5.103 min Scan# 1161

Delta R.T. 0.008 min

Lab File: VN068932.D

Acq: 14 Oct 2021 18:21

Tgt Ion: 84 Resp: 22471

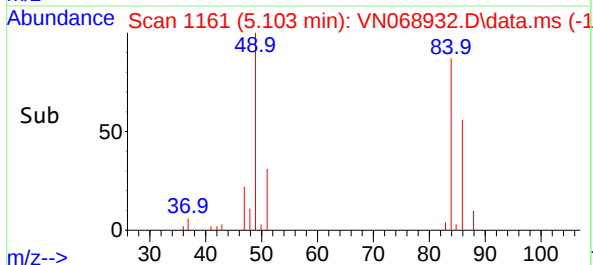
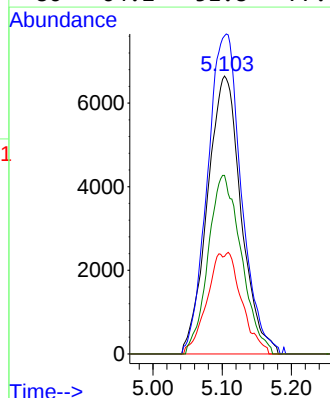
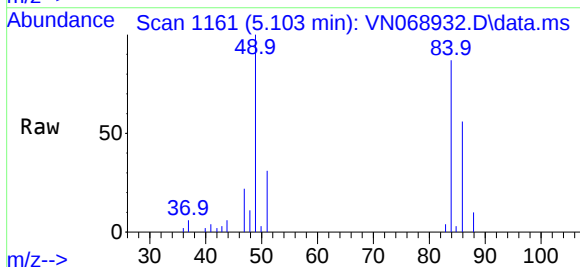
Ion Ratio Lower Upper

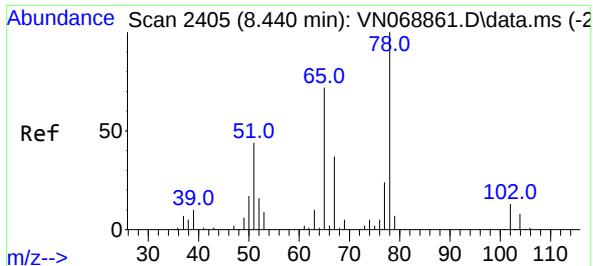
84 100

49 114.5 97.6 146.4

51 35.1 30.3 45.5

86 64.2 51.8 77.6



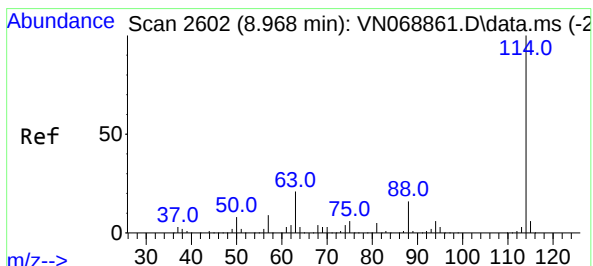
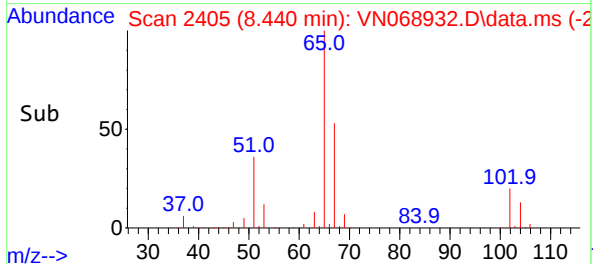
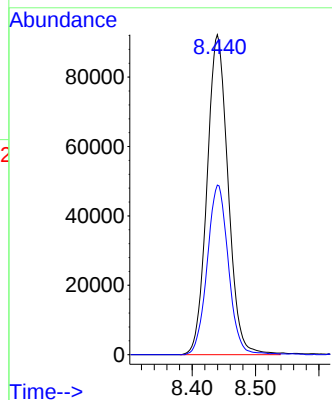
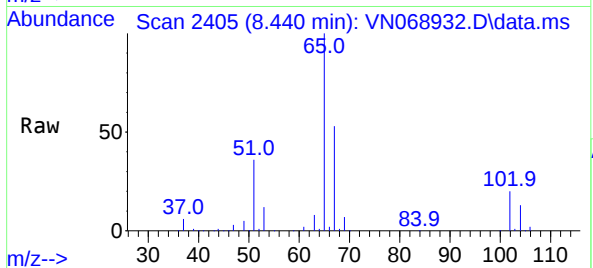


#33

1,2-Dichloroethane-d4  
Concen: 44.528 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

Instrument :  
MSVOA\_N  
ClientSampled :  
HAR-21

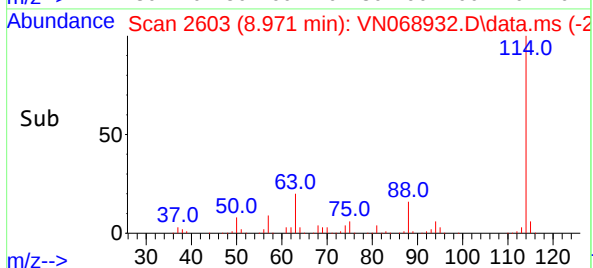
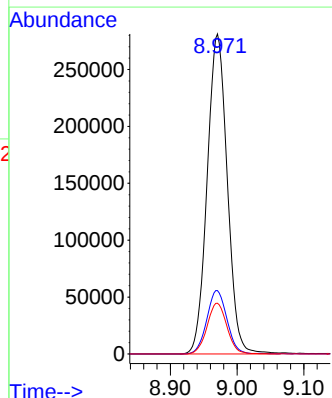
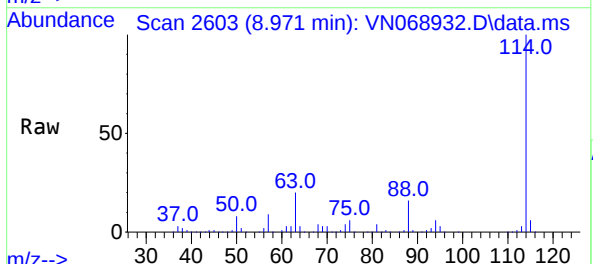
Tgt Ion: 65 Resp: 213096  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 103.8

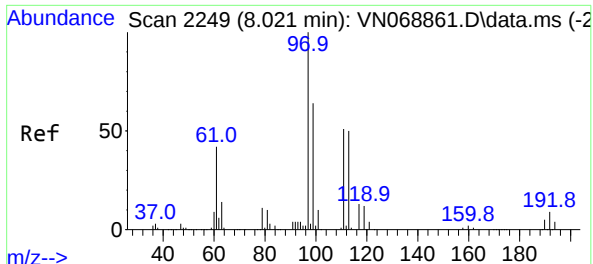


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

Tgt Ion: 114 Resp: 589146  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 42.6  
88 15.9 0.0 32.0

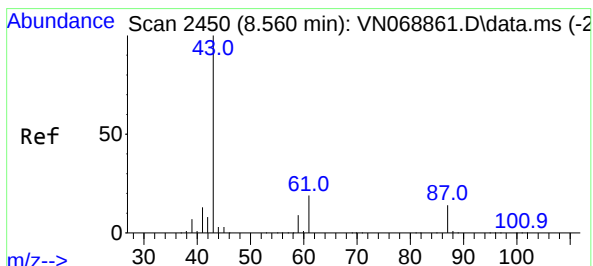
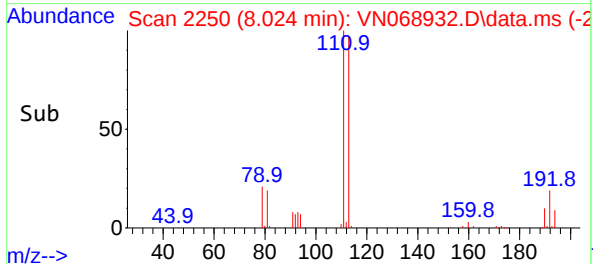
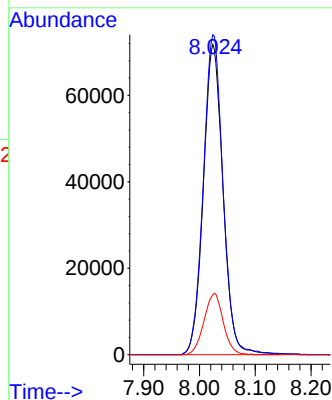
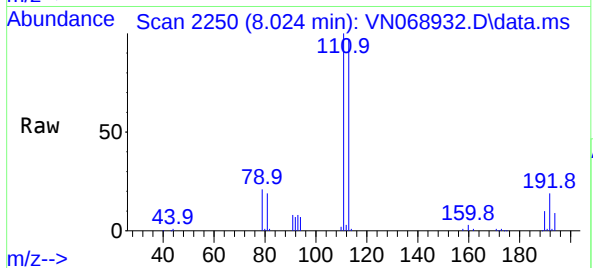




#35  
Dibromofluoromethane  
Concen: 51.187 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

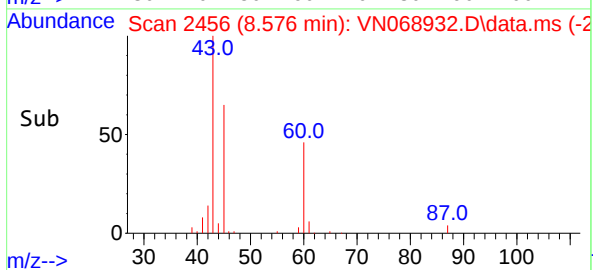
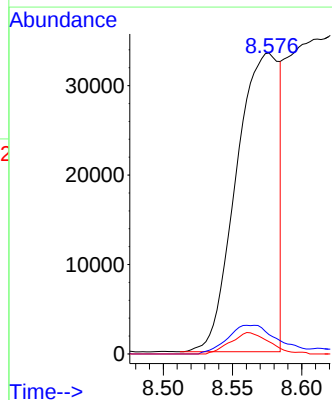
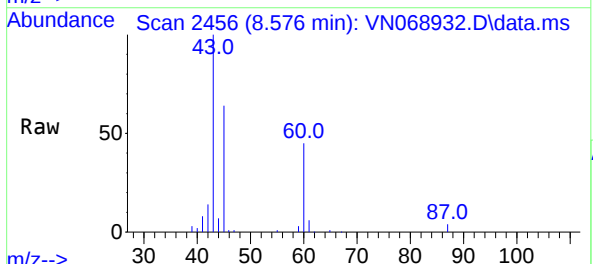
Instrument :  
MSVOA\_N  
ClientSampled :  
HAR-21

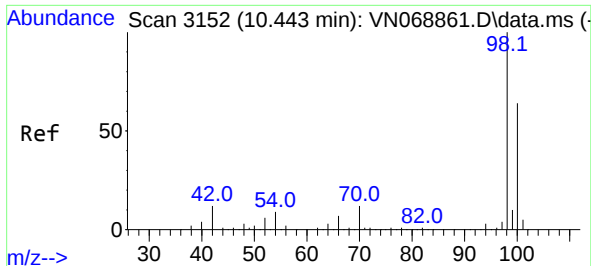
Tgt Ion:113 Resp: 175455  
Ion Ratio Lower Upper  
113 100  
111 103.6 83.2 124.8  
192 19.4 15.0 22.4



#43  
Isopropyl Acetate  
Concen: 7.817 ug/l  
RT: 8.576 min Scan# 2456  
Delta R.T. 0.016 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

Tgt Ion: 43 Resp: 71678  
Ion Ratio Lower Upper  
43 100  
61 11.3 20.4 30.6#  
87 6.5 10.7 16.1#

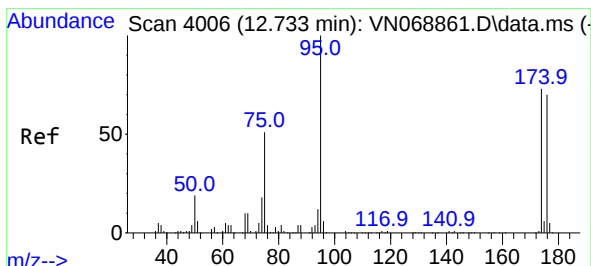
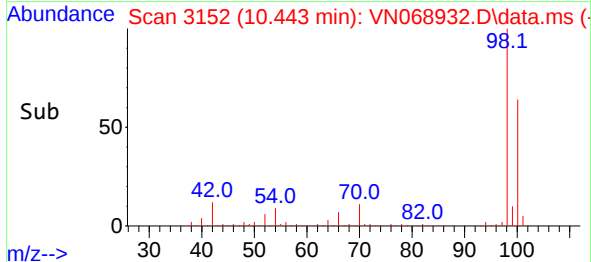
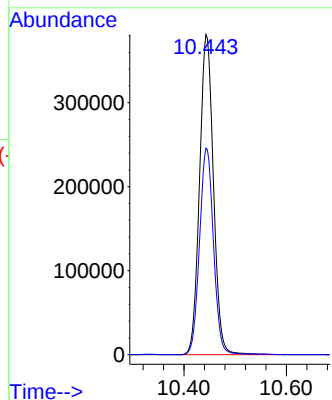
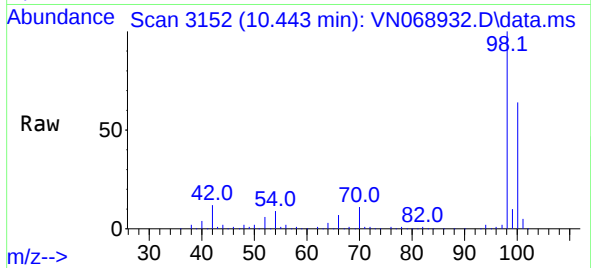




#50  
Toluene-d8  
Concen: 52.317 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

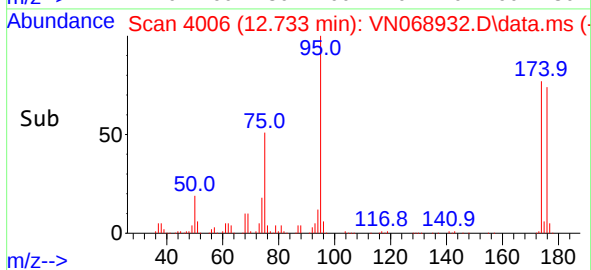
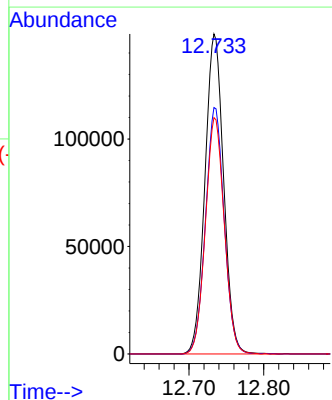
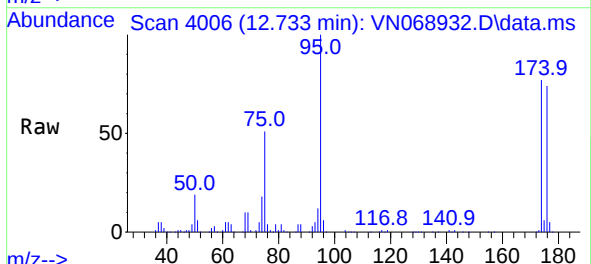
Instrument :  
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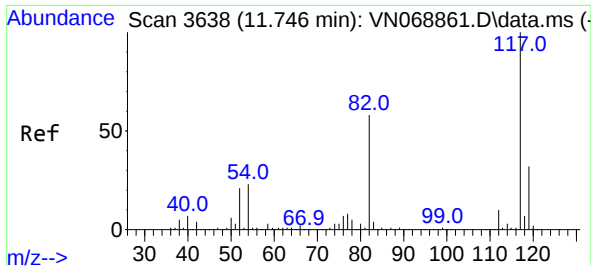
Tgt Ion: 98 Resp: 717513  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 49.853 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

Tgt Ion: 95 Resp: 257963  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 144.8  
176 74.7 0.0 140.0

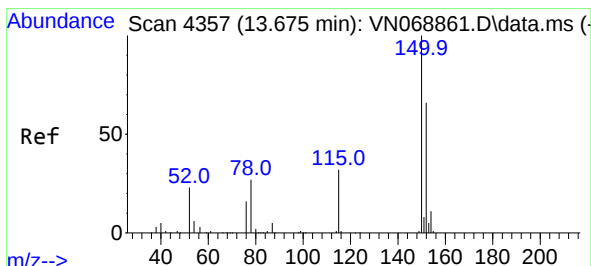
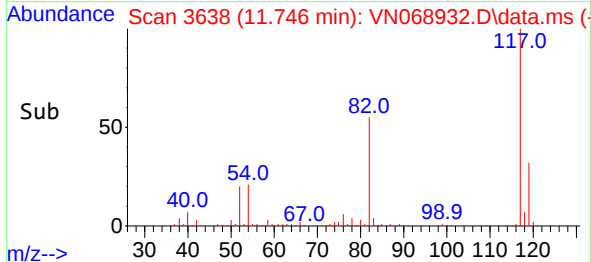
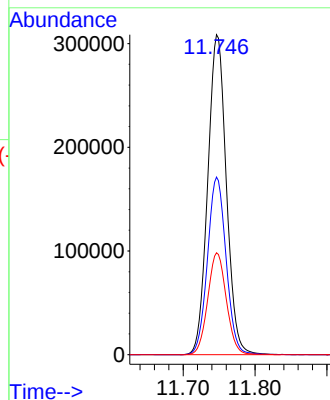
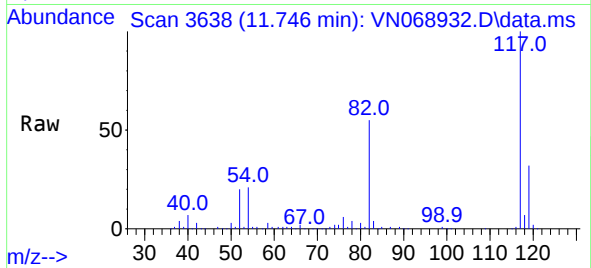




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN068932.D  
Acq: 14 Oct 2021 18:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
HAR-21

Tgt Ion:117 Resp: 555654  
Ion Ratio Lower Upper  
117 100  
82 55.5 46.4 69.6  
119 31.8 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: VN068932.D  
Acq: 14 Oct 2021 18:21

Tgt Ion:152 Resp: 223413  
Ion Ratio Lower Upper  
152 100  
115 61.0 31.4 94.3  
150 156.9 0.0 351.0

