

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102921\  
 Data File : VN069306.D  
 Acq On : 29 Oct 2021 17:21  
 Operator : JC/MD  
 Sample : PB140327ZHE#02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB140327ZHE#02

Quant Time: Oct 30 05:44:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102821W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 28 16:09:15 2021  
 Response via : Initial Calibration

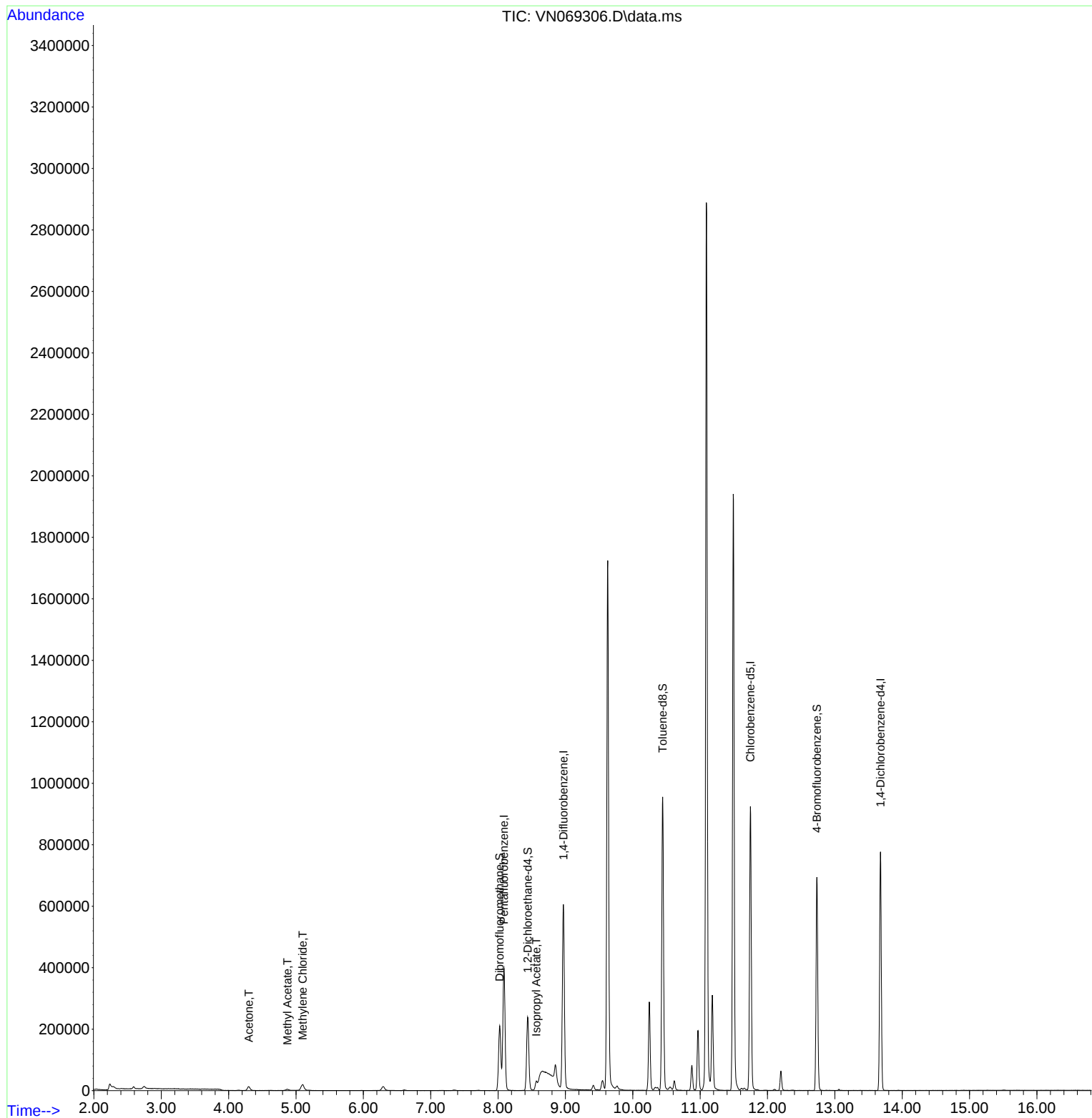
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.088  | 168   | 295425   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971  | 114   | 536395   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.747 | 117   | 541645   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.678 | 152   | 205666   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 202551   | 47.496   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 95.000%  |
| 35) Dibromofluoromethane    | 8.024  | 113   | 153291   | 45.845   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 91.680%  |
| 50) Toluene-d8              | 10.443 | 98    | 673331   | 50.365   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 100.720% |
| 62) 4-Bromofluorobenzene    | 12.734 | 95    | 247578   | 49.075   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 98.160%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.299  | 43    | 23744    | 13.068   | ug/l   | 100      |
| 18) Methyl Acetate          | 4.873  | 43    | 8121     | 1.315    | ug/l   | 93       |
| 20) Methylene Chloride      | 5.098  | 84    | 15503    | 4.448    | ug/l   | 95       |
| 43) Isopropyl Acetate       | 8.568  | 43    | 34321    | 4.159    | ug/l # | 89       |
| -----                       |        |       |          |          |        |          |

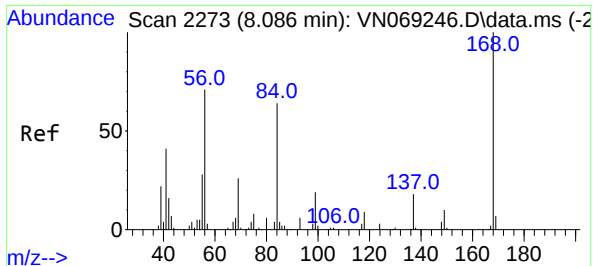
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102921\  
Data File : VN069306.D  
Acq On : 29 Oct 2021 17:21  
Operator : JC/MD  
Sample : PB140327ZHE#02  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#02

Quant Time: Oct 30 05:44:18 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102821W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 28 16:09:15 2021  
Response via : Initial Calibration

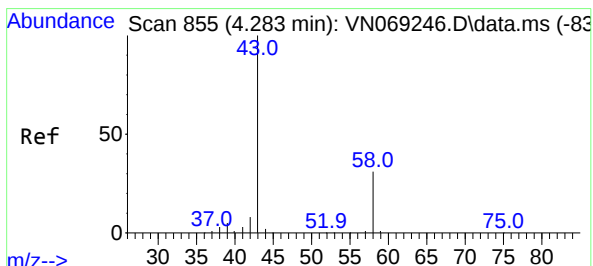
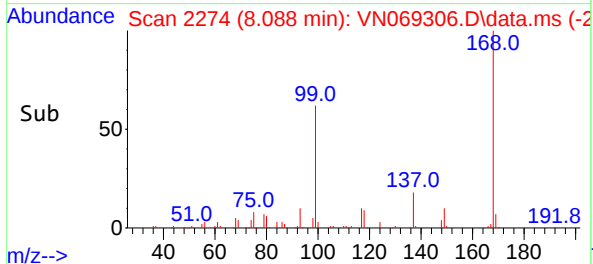
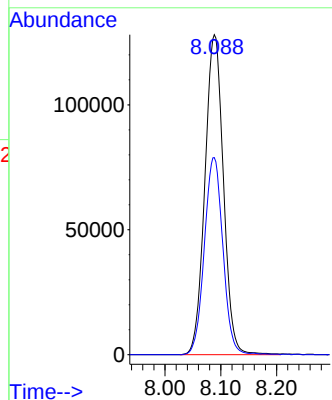
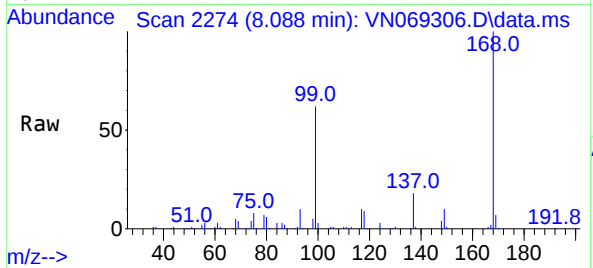




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

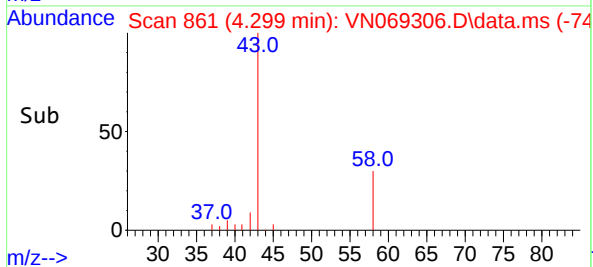
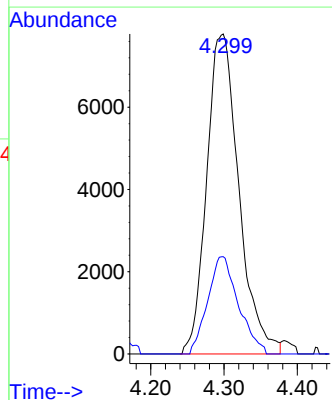
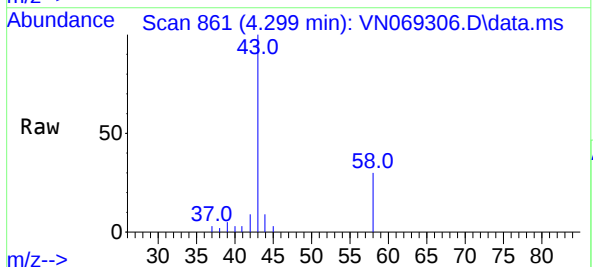
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#02

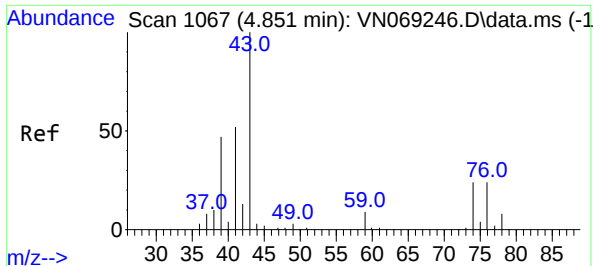
Tgt Ion:168 Resp: 295425  
Ion Ratio Lower Upper  
168 100  
99 61.6 48.9 73.3



#16  
Acetone  
Concen: 13.068 ug/l  
RT: 4.299 min Scan# 861  
Delta R.T. 0.016 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

Tgt Ion: 43 Resp: 23744  
Ion Ratio Lower Upper  
43 100  
58 30.4 24.5 36.7

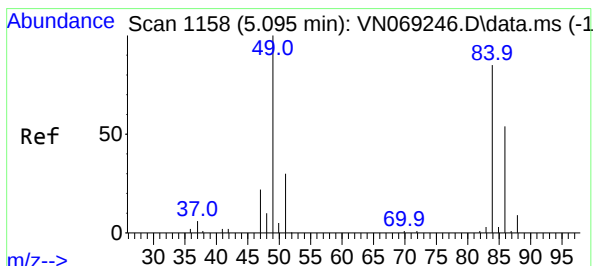
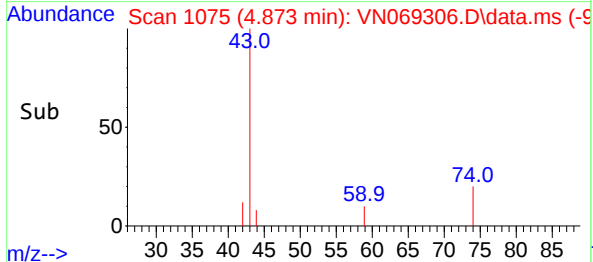
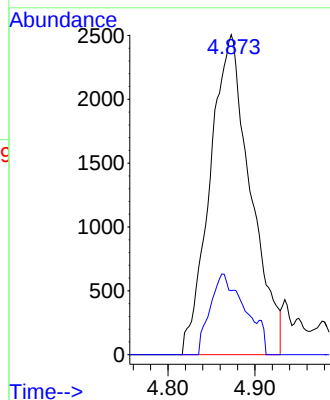
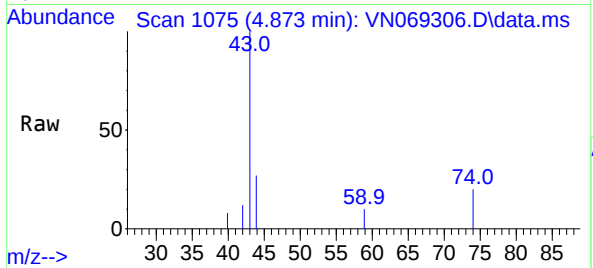




#18  
Methyl Acetate  
Concen: 1.315 ug/l  
RT: 4.873 min Scan# 110  
Delta R.T. 0.022 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

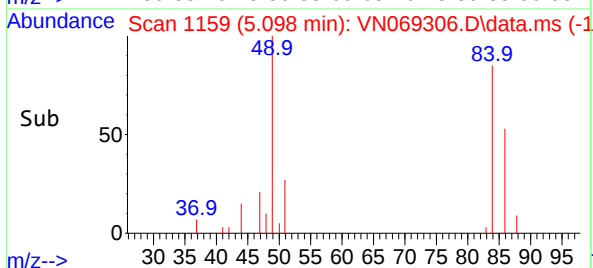
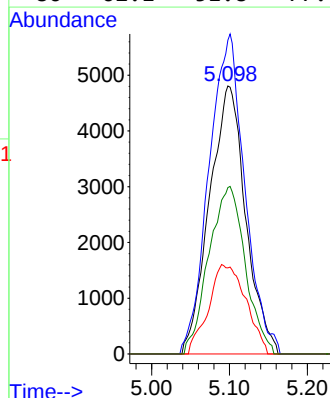
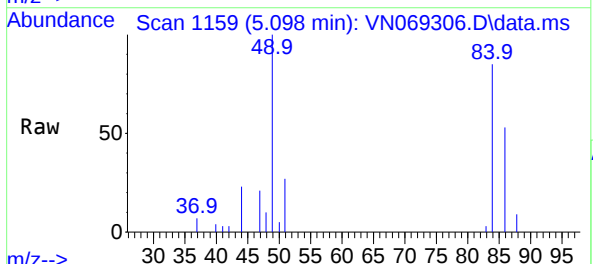
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#02

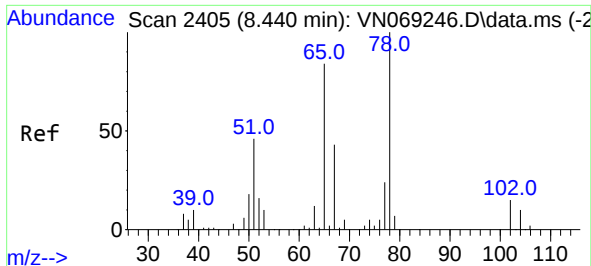
Tgt Ion: 43 Resp: 8121  
Ion Ratio Lower Upper  
43 100  
74 20.3 18.9 28.3



#20  
Methylene Chloride  
Concen: 4.448 ug/l  
RT: 5.098 min Scan# 1159  
Delta R.T. 0.003 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

Tgt Ion: 84 Resp: 15503  
Ion Ratio Lower Upper  
84 100  
49 117.1 97.6 146.4  
51 32.1 30.3 45.5  
86 62.1 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 47.496 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069306.D

Acq: 29 Oct 2021 17:21

Instrument :

MSVOA\_N

ClientSampleId :

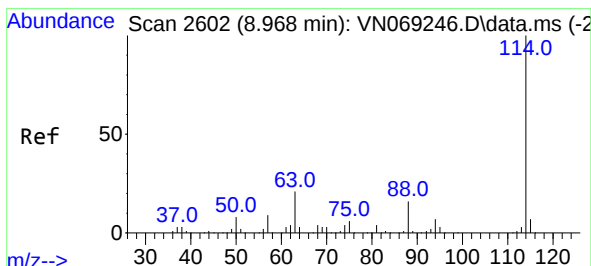
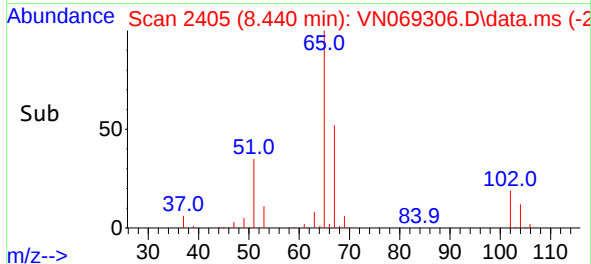
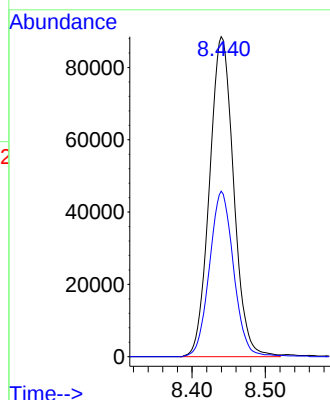
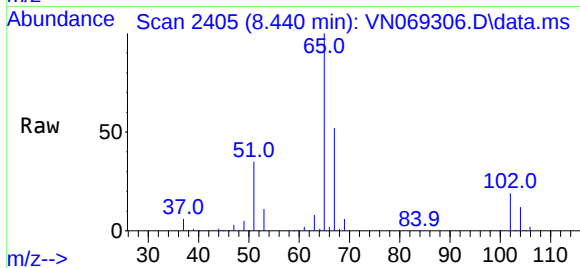
PB140327ZHE#02

Tgt Ion: 65 Resp: 202551

Ion Ratio Lower Upper

65 100

67 51.8 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: VN069306.D

Acq: 29 Oct 2021 17:21

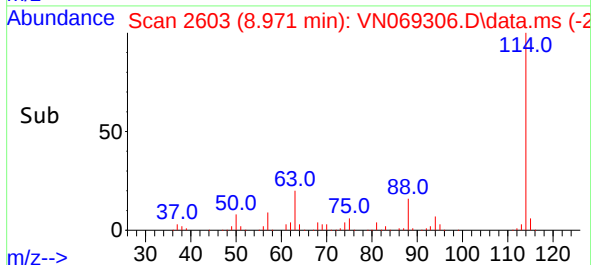
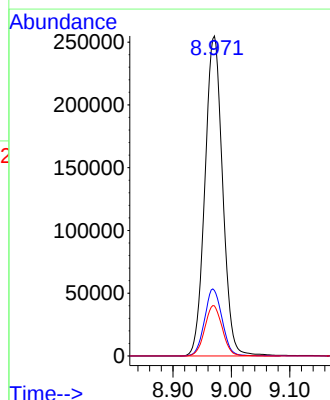
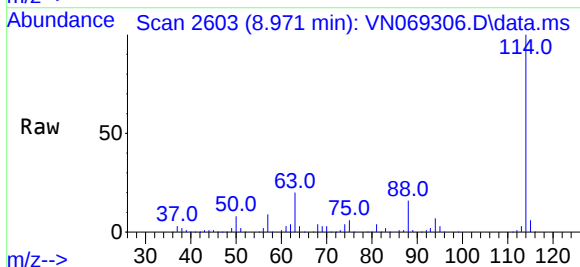
Tgt Ion: 114 Resp: 536395

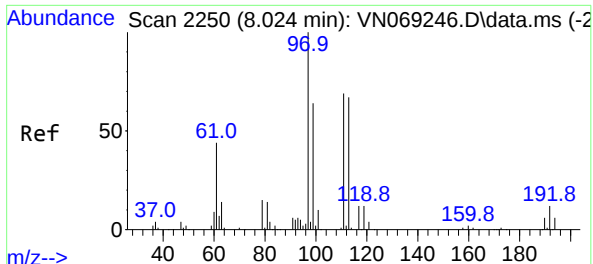
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

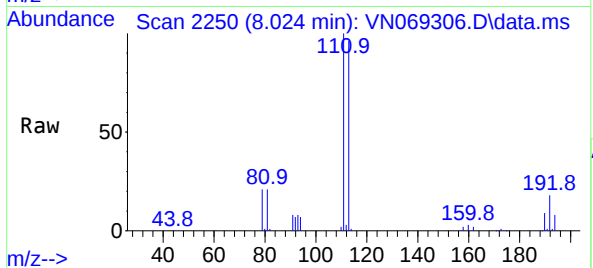
88 15.6 0.0 32.0



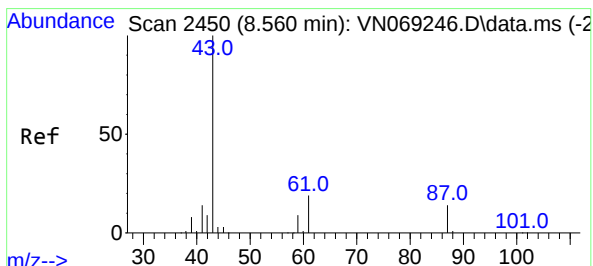
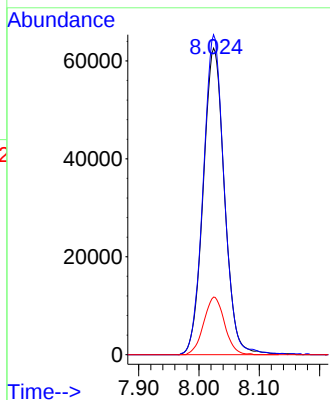
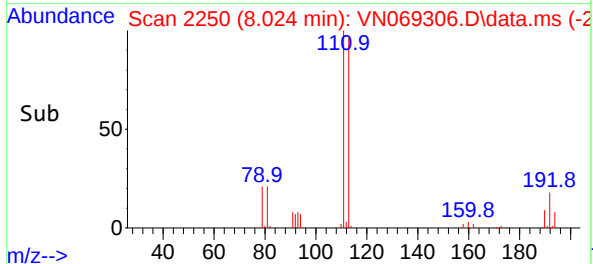


#35  
Dibromofluoromethane  
Concen: 45.845 ug/l  
RT: 8.024 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

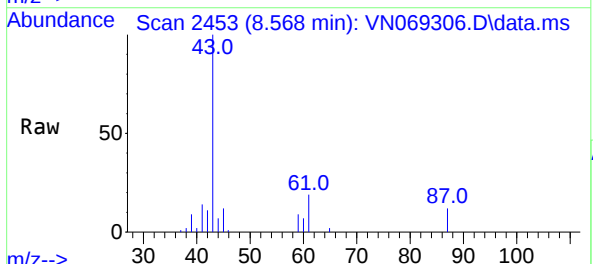
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#02



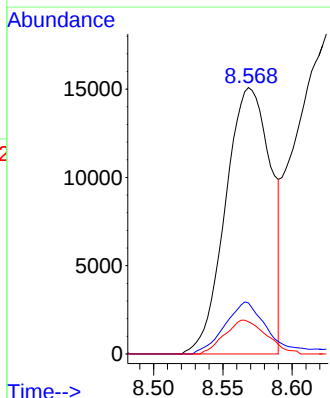
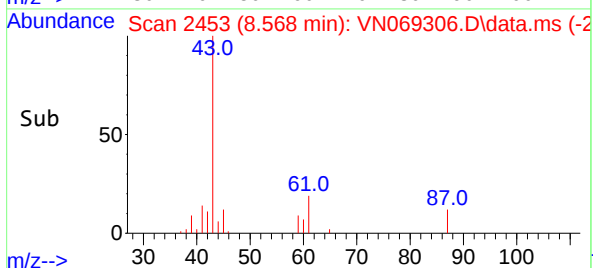
Tgt Ion:113 Resp: 153291  
Ion Ratio Lower Upper  
113 100  
111 102.9 83.2 124.8  
192 18.4 15.0 22.4

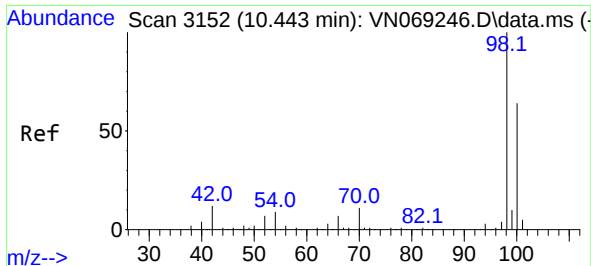


#43  
Isopropyl Acetate  
Concen: 4.159 ug/l  
RT: 8.568 min Scan# 2453  
Delta R.T. 0.008 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21



Tgt Ion: 43 Resp: 34321  
Ion Ratio Lower Upper  
43 100  
61 18.2 20.4 30.6#  
87 11.7 10.7 16.1

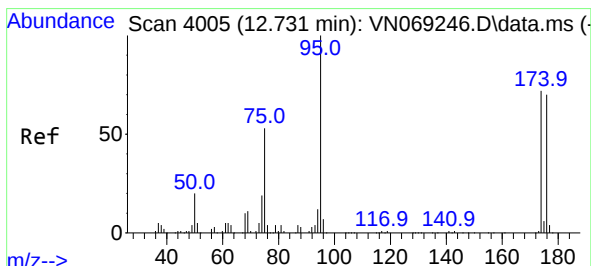
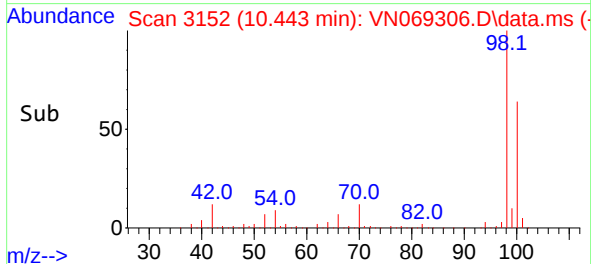
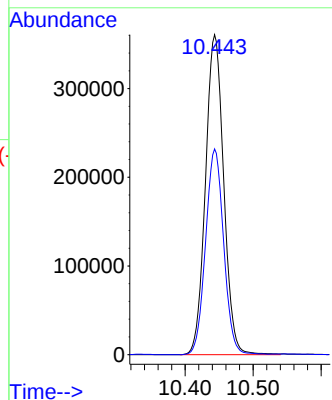
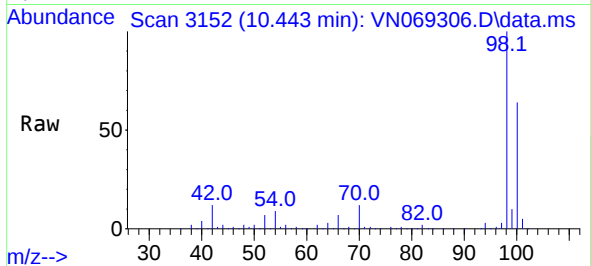




#50  
Toluene-d8  
Concen: 50.365 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

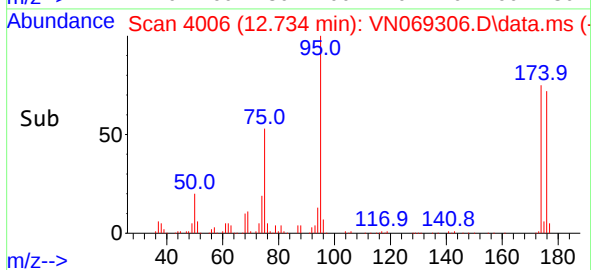
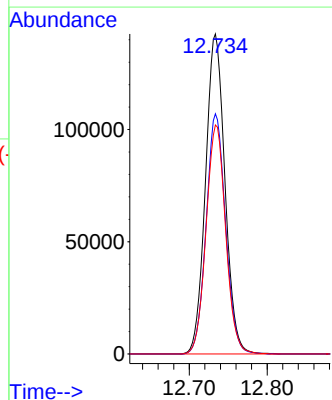
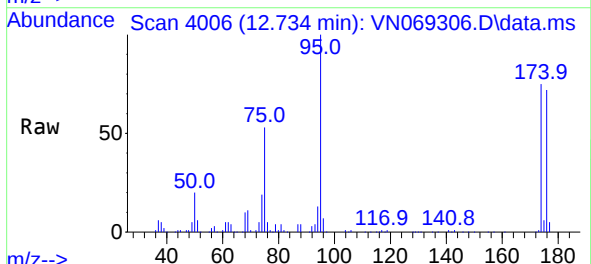
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#02

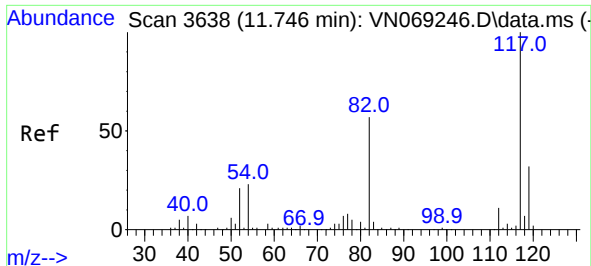
Tgt Ion: 98 Resp: 673331  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 49.075 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.003 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

Tgt Ion: 95 Resp: 247578  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 144.8  
176 72.1 0.0 140.0

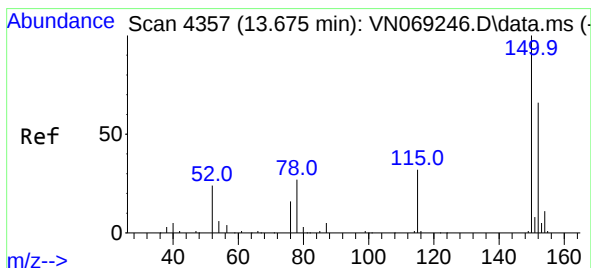
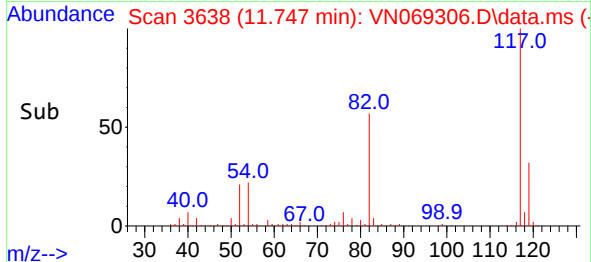
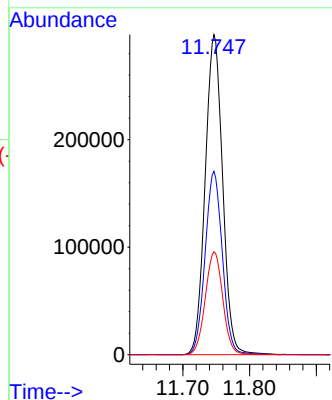
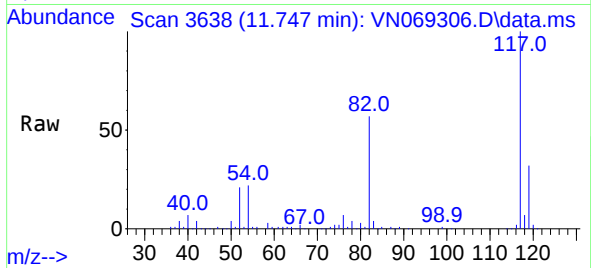




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB140327ZHE#02

Tgt Ion:117 Resp: 541645  
Ion Ratio Lower Upper  
117 100  
82 57.3 46.4 69.6  
119 32.1 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069306.D  
Acq: 29 Oct 2021 17:21

Tgt Ion:152 Resp: 205666  
Ion Ratio Lower Upper  
152 100  
115 63.8 31.4 94.3  
150 158.5 0.0 351.0

