

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120821\  
 Data File : VN069874.D  
 Acq On : 8 Dec 2021 20:44  
 Operator : JC/MD  
 Sample : PB141231ZHE#05  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB141231ZHE#05

Quant Time: Dec 09 11:47:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

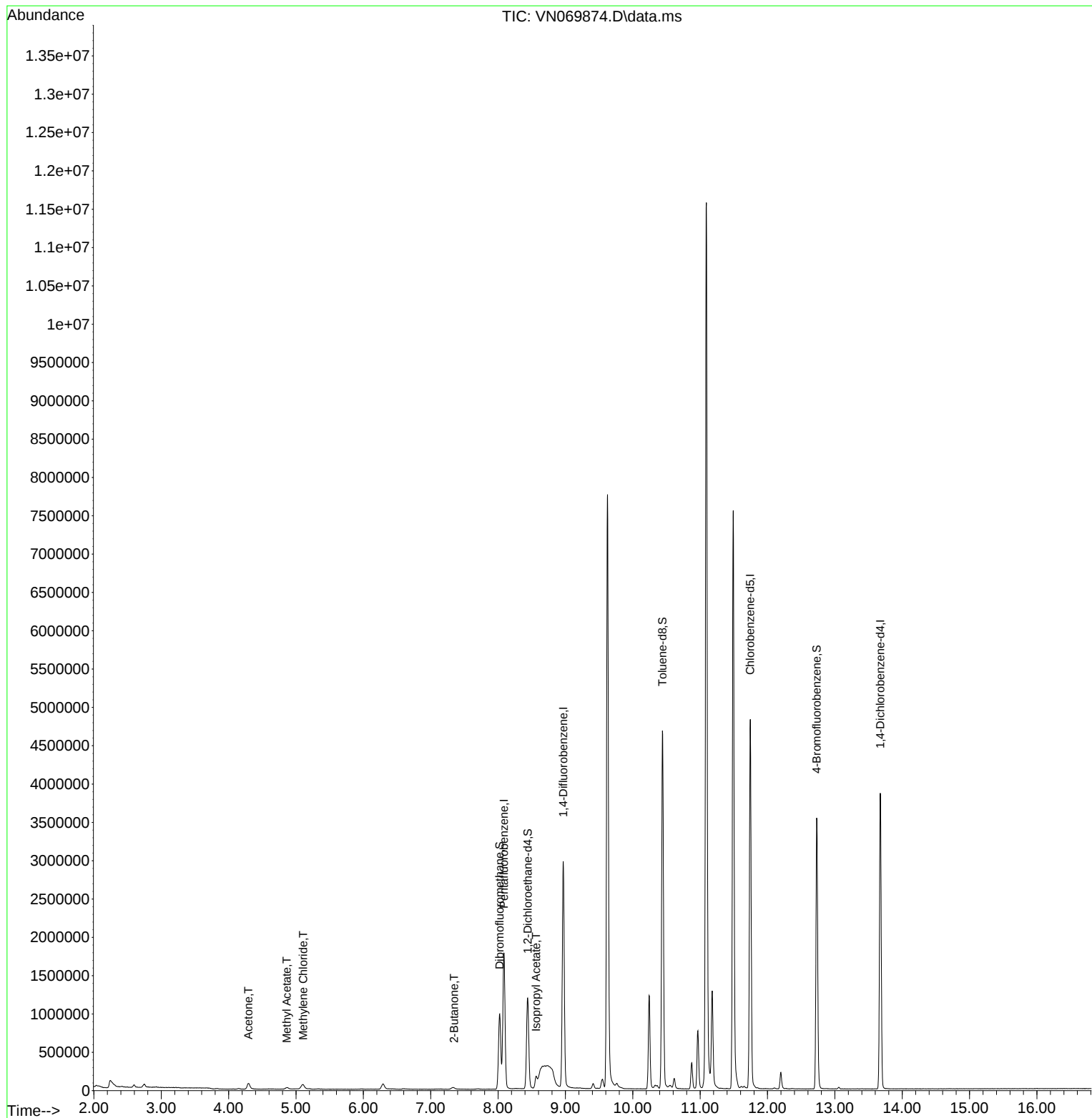
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.085     | 168   | 1313458  | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.968     | 114   | 2444028  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.744    | 117   | 2652928  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.675    | 152   | 1024027  | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440     | 65    | 1040988  | 51.331   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | =      | 102.660% |
| 35) Dibromofluoromethane    | 8.024     | 113   | 712600   | 46.548   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | =      | 93.100%  |
| 50) Toluene-d8              | 10.440    | 98    | 3196041  | 51.993   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | =      | 103.980% |
| 62) 4-Bromofluorobenzene    | 12.731    | 95    | 1233416  | 55.386   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | =      | 110.780% |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          |        | Qvalue   |
| 16) Acetone                 | 4.293     | 43    | 144526   | 11.847   | ug/l   | 95       |
| 18) Methyl Acetate          | 4.862     | 43    | 46530    | 1.264    | ug/l # | 87       |
| 20) Methylene Chloride      | 5.106     | 84    | 40817    | 2.517    | ug/l   | 84       |
| 25) 2-Butanone              | 7.348     | 43    | 24360    | 1.470    | ug/l   | 96       |
| 43) Isopropyl Acetate       | 8.563     | 43    | 187525   | 3.659    | ug/l # | 81       |
| -----                       |           |       |          |          |        |          |

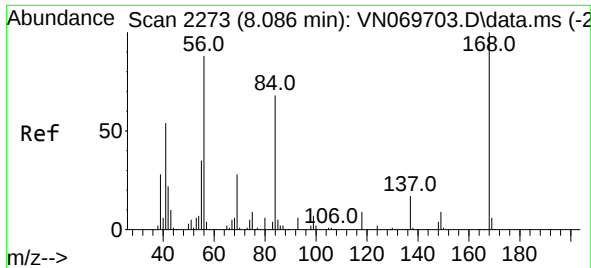
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120821\  
Data File : VN069874.D  
Acq On : 8 Dec 2021 20:44  
Operator : JC/MD  
Sample : PB141231ZHE#05  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB141231ZHE#05

Quant Time: Dec 09 11:47:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

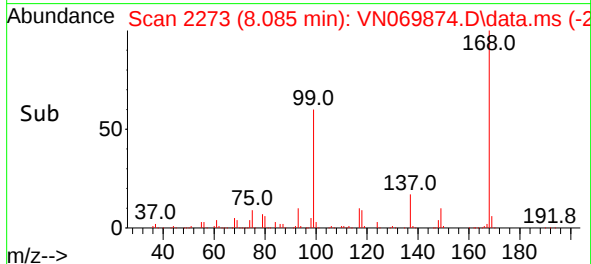
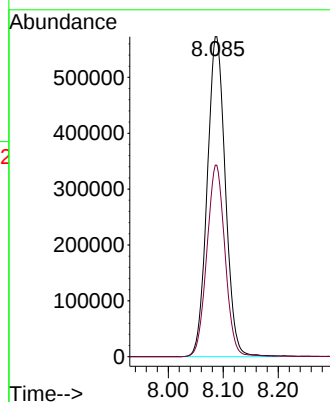
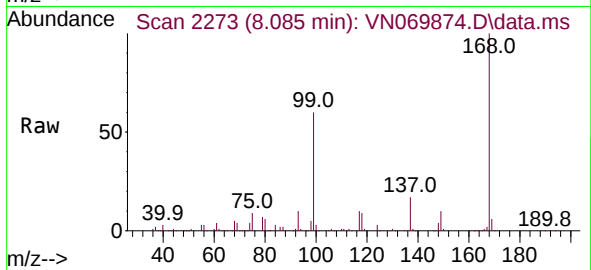




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.085 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: VN069874.D  
Acq: 8 Dec 2021 20:44

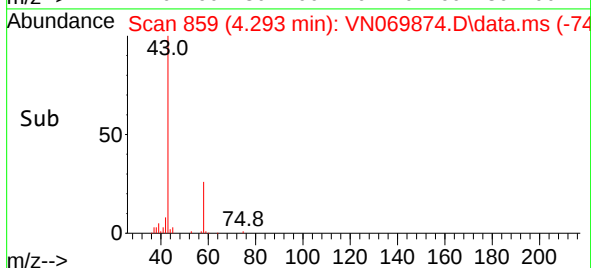
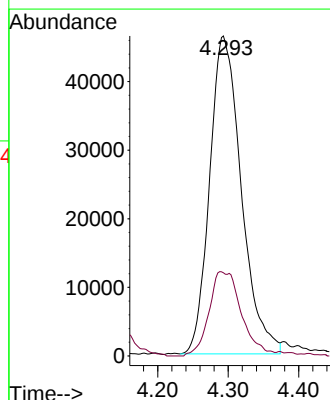
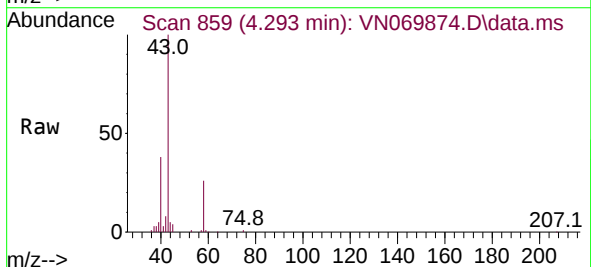
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB141231ZHE#05

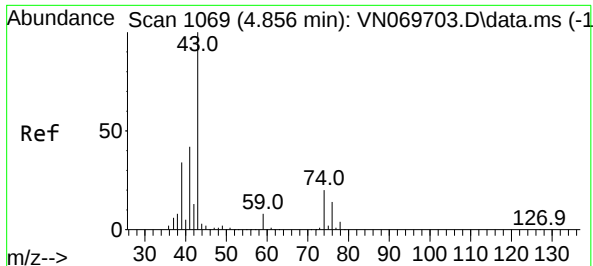
Tgt Ion:168 Resp: 1313458  
Ion Ratio Lower Upper  
168 100  
99 59.8 41.3 61.9



#16  
Acetone  
Concen: 11.847 ug/l  
RT: 4.293 min Scan# 859  
Delta R.T. 0.003 min  
Lab File: VN069874.D  
Acq: 8 Dec 2021 20:44

Tgt Ion: 43 Resp: 144526  
Ion Ratio Lower Upper  
43 100  
58 26.2 23.1 34.7





#18

Methyl Acetate

Concen: 1.264 ug/l

RT: 4.862 min Scan# 1106

Delta R.T. 0.005 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

Instrument :

MSVOA\_N

ClientSampleId :

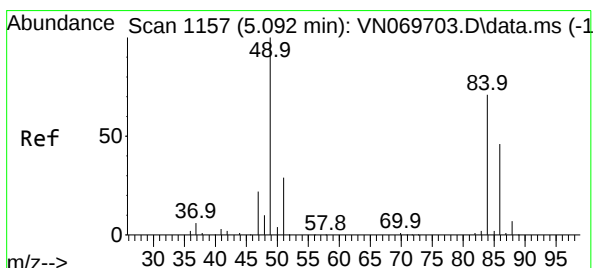
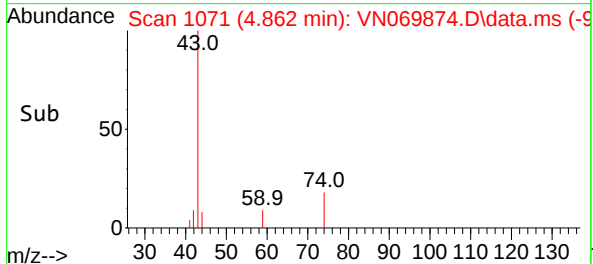
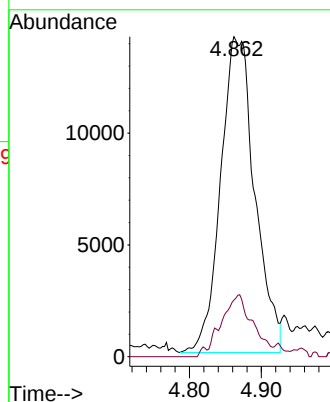
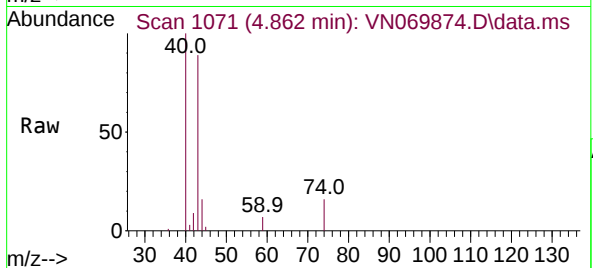
PB141231ZHE#05

Tgt Ion: 43 Resp: 46530

Ion Ratio Lower Upper

43 100

74 17.7 19.4 29.2#



#20

Methylene Chloride

Concen: 2.517 ug/l

RT: 5.106 min Scan# 1162

Delta R.T. 0.013 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

Tgt Ion: 84 Resp: 40817

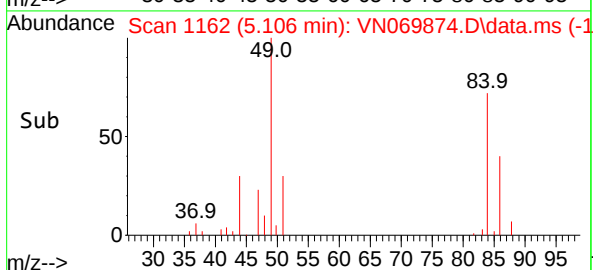
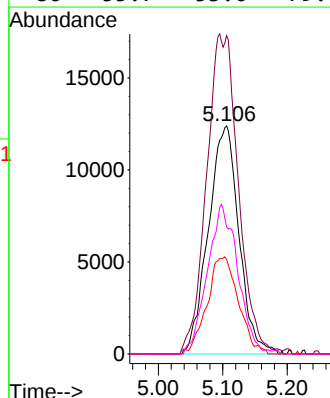
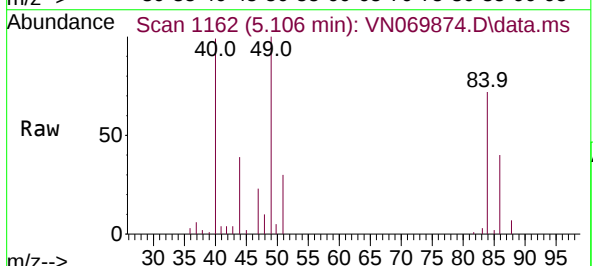
Ion Ratio Lower Upper

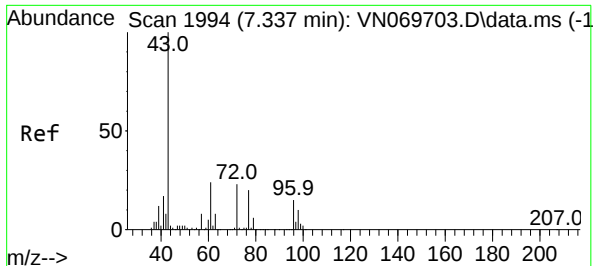
84 100

49 139.6 93.5 140.3

51 41.4 29.4 44.2

86 55.7 53.0 79.4





#25

2-Butanone

Concen: 1.470 ug/l

RT: 7.348 min Scan# 1994

Delta R.T. 0.011 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

Instrument :

MSVOA\_N

ClientSampleId :

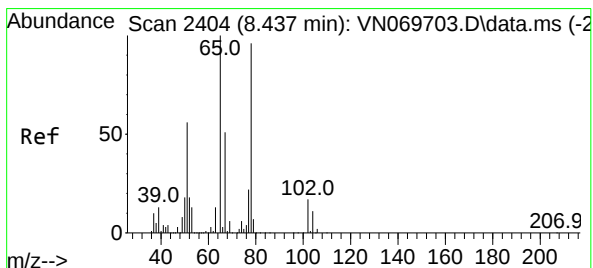
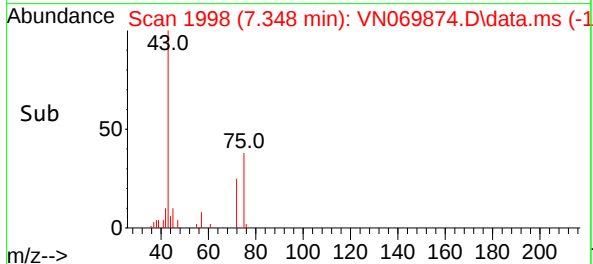
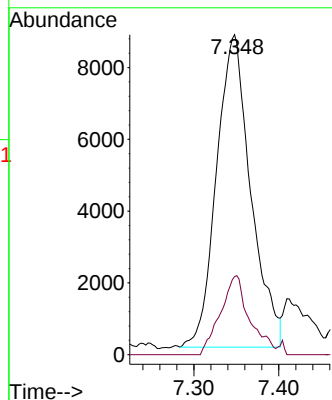
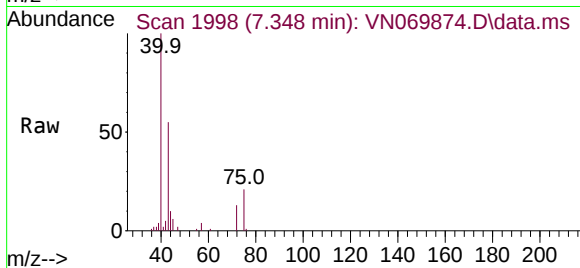
PB141231ZHE#05

Tgt Ion: 43 Resp: 24360

Ion Ratio Lower Upper

43 100

72 25.0 21.7 32.5



#33

1,2-Dichloroethane-d4

Concen: 51.331 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN069874.D

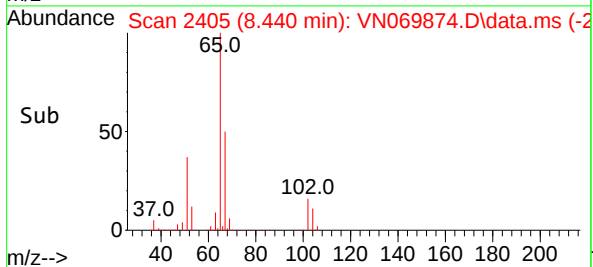
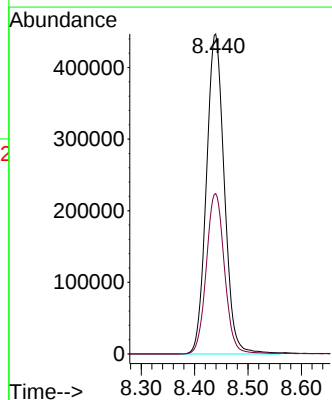
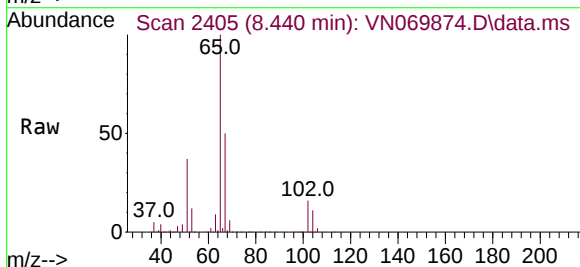
Acq: 8 Dec 2021 20:44

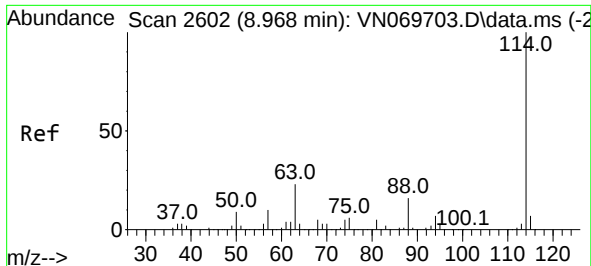
Tgt Ion: 65 Resp: 1040988

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

Instrument :

MSVOA\_N

ClientSampleId :

PB141231ZHE#05

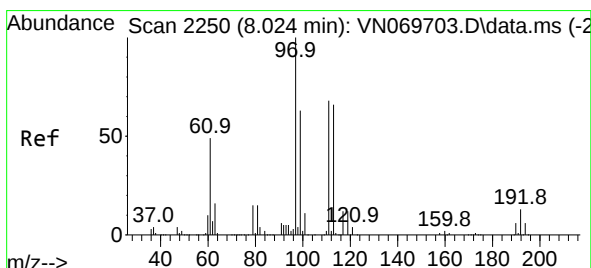
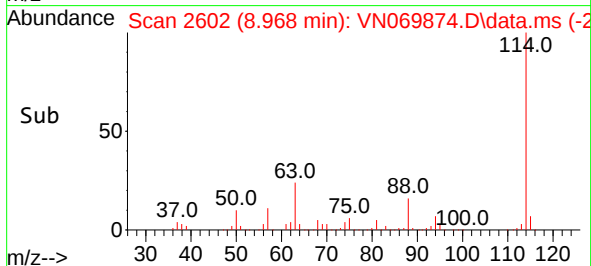
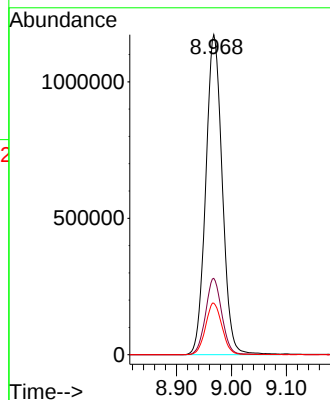
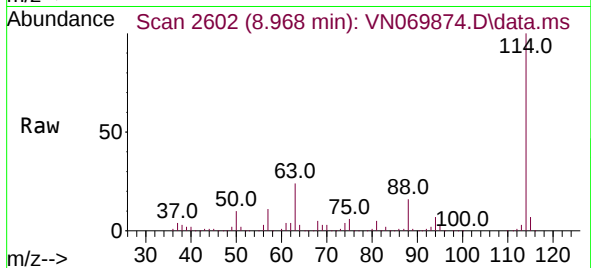
Tgt Ion:114 Resp: 2444028

Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.548 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

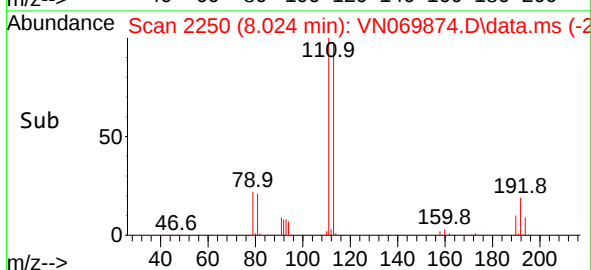
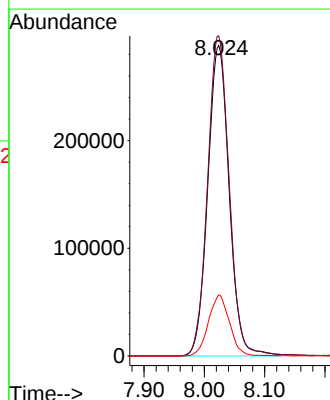
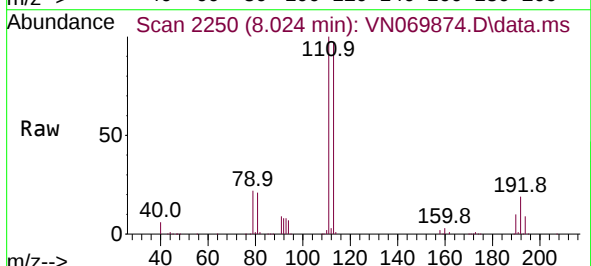
Tgt Ion:113 Resp: 712600

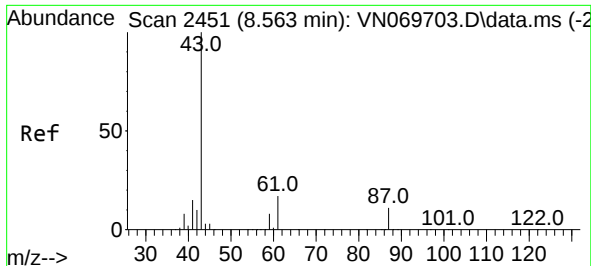
Ion Ratio Lower Upper

113 100

111 104.6 82.2 123.2

192 19.2 16.9 25.3





#43

Isopropyl Acetate

Concen: 3.659 ug/l

RT: 8.563 min Scan# 2451

Delta R.T. -0.000 min

Lab File: VN069874.D

Acq: 8 Dec 2021 20:44

Instrument :

MSVOA\_N

ClientSampleId :

PB141231ZHE#05

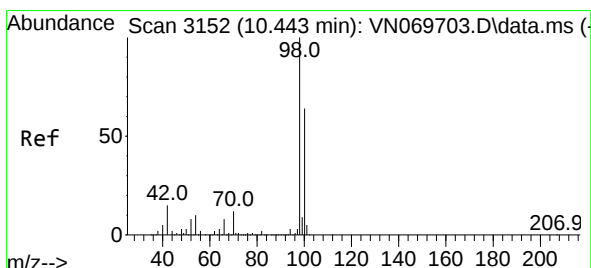
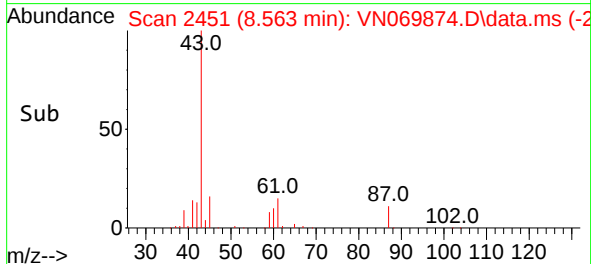
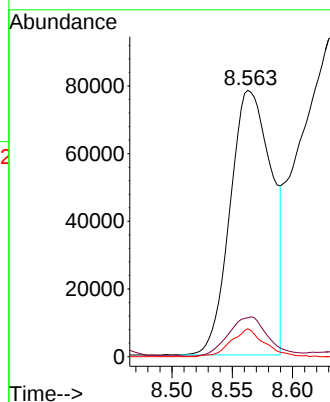
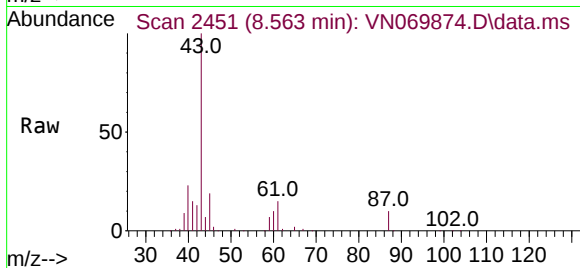
Tgt Ion: 43 Resp: 187525

Ion Ratio Lower Upper

43 100

61 14.1 20.4 30.6#

87 8.4 11.2 16.8#



#50

Toluene-d8

Concen: 51.993 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.003 min

Lab File: VN069874.D

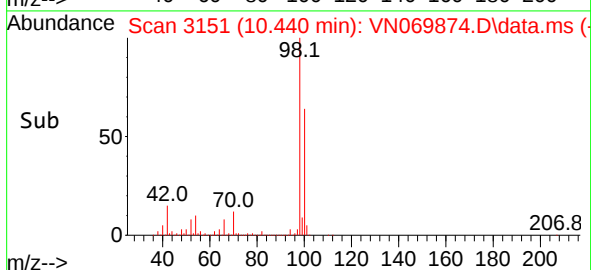
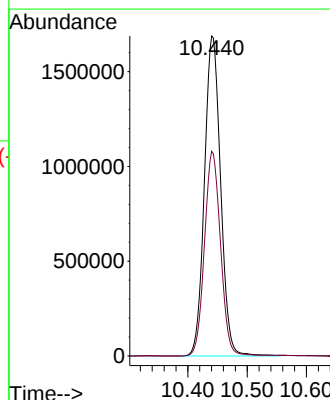
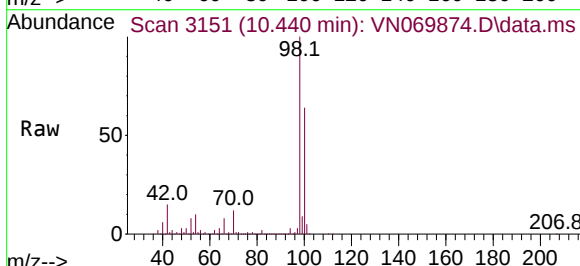
Acq: 8 Dec 2021 20:44

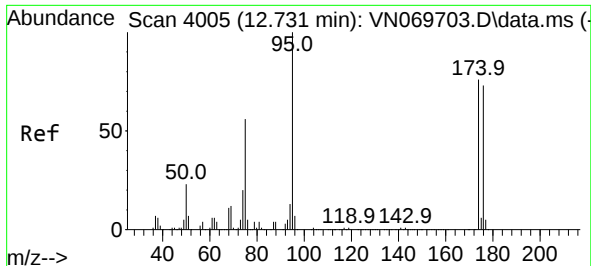
Tgt Ion: 98 Resp: 3196041

Ion Ratio Lower Upper

98 100

100 63.5 50.4 75.6

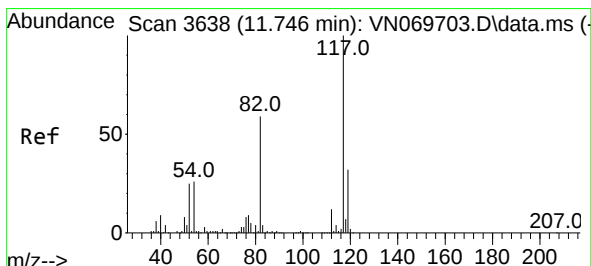
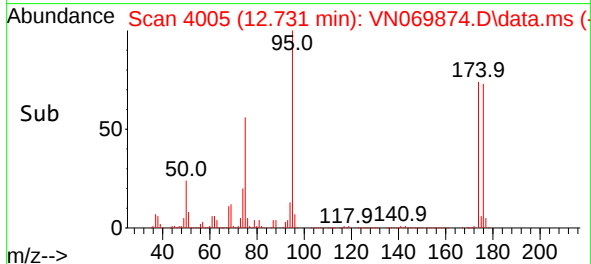
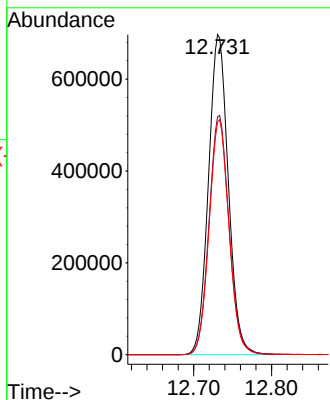
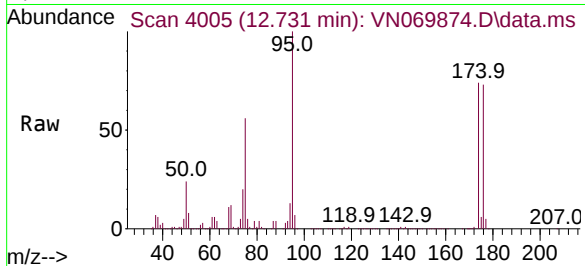




#62  
4-Bromofluorobenzene  
Concen: 55.386 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN069874.D  
Acq: 8 Dec 2021 20:44

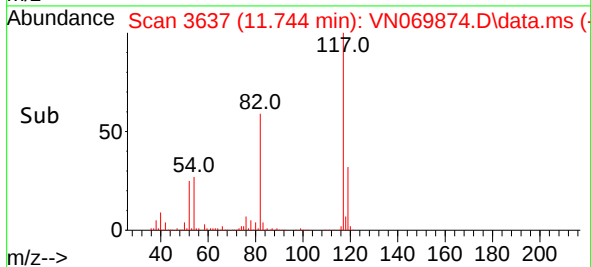
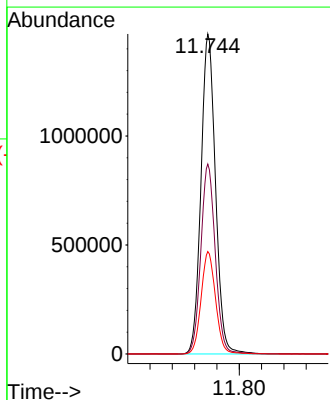
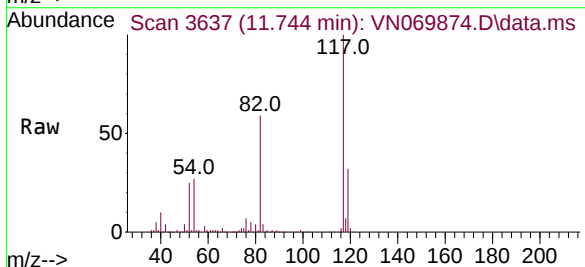
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB141231ZHE#05

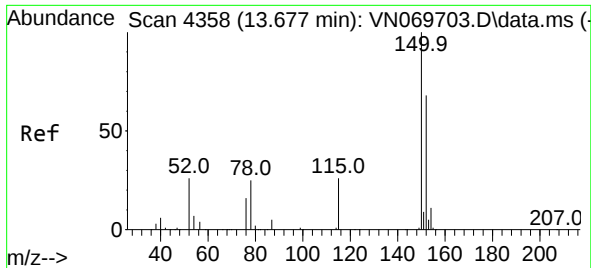
Tgt Ion: 95 Resp: 1233416  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 187.2  
176 73.2 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 3637  
Delta R.T. -0.002 min  
Lab File: VN069874.D  
Acq: 8 Dec 2021 20:44

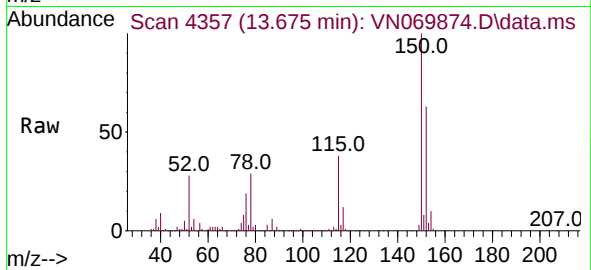
Tgt Ion: 117 Resp: 2652928  
Ion Ratio Lower Upper  
117 100  
82 59.4 42.4 63.6  
119 32.0 25.4 38.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.675 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VN069874.D  
 Acq: 8 Dec 2021 20:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB141231ZHE#05



Tgt Ion:152 Resp: 1024027  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.6  | 27.5  | 82.5  |
| 150 | 156.7 | 0.0   | 344.4 |

