

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\  
 Data File : VN049699.D  
 Acq On : 3 Jul 2018 17:39  
 Operator : MD\SY  
 Sample : PB110796ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110796ZHE#02

Quant Time: Jul 04 00:21:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 30 00:55:30 2018  
 Response via : Initial Calibration

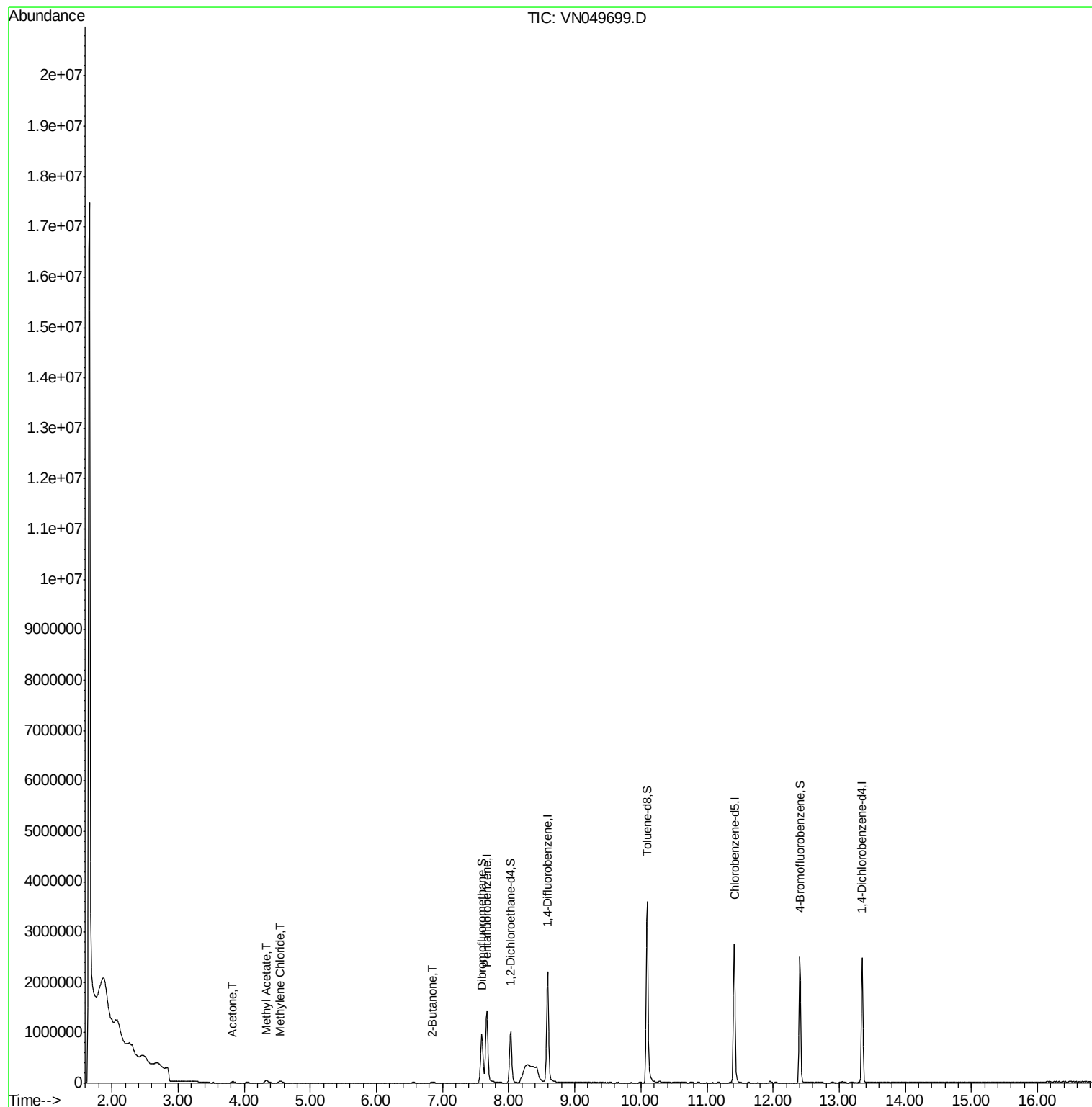
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1283129  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2093224  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1748883  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 695670   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 888201   | 52.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.84% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 734777   | 46.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.90%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2803409  | 45.77 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.54%  |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 837194   | 40.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.06%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 46540    | 5.874 | ug/l    | 93       |
| 18) Methyl Acetate          | 4.33  | 43   | 106744   | 1.869 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.55  | 84   | 28110    | 1.611 | ug/l    | 95       |
| 25) 2-Butanone              | 6.85  | 43   | 24255    | 4.312 | ug/l    | 98       |

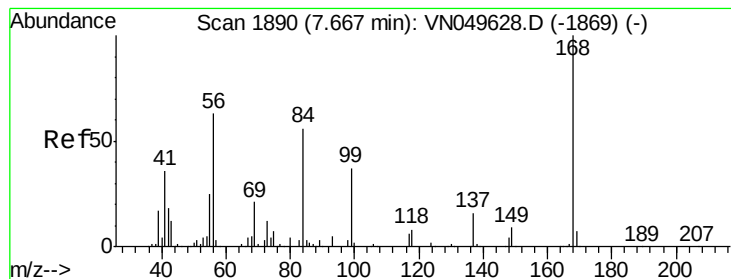
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070318\  
Data File : VN049699.D  
Acq On : 3 Jul 2018 17:39  
Operator : MD\SY  
Sample : PB110796ZHE#02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110796ZHE#02

Quant Time: Jul 04 00:21:12 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 30 00:55:30 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049699.D

Acq: 3 Jul 2018 17:39

Instrument :

MSVOA\_N

ClientSampleId :

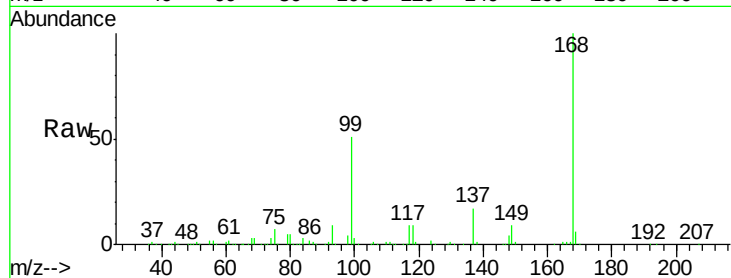
PB110796ZHE#02

Tot Ion:168 Resp: 1283129

Ion Ratio Lower Upper

168 100

99 51.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

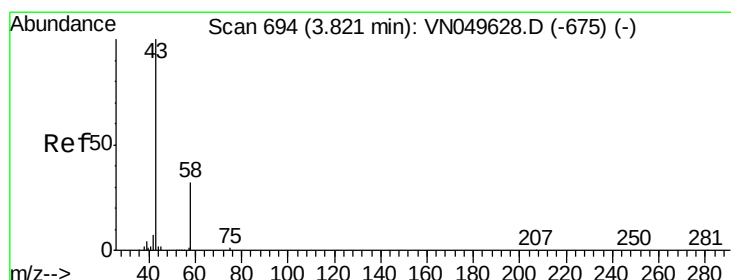
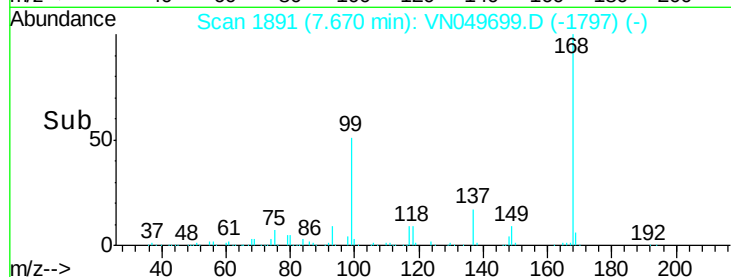
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.874 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049699.D

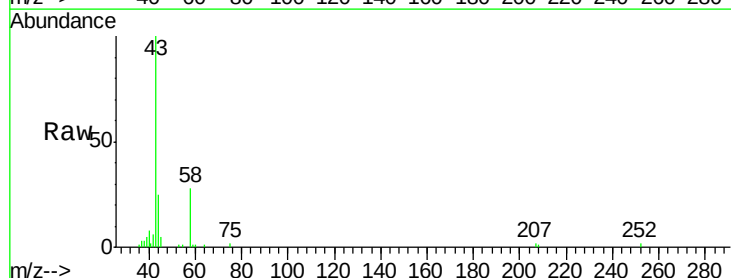
Acq: 3 Jul 2018 17:39

Tgt Ion: 43 Resp: 46540

Ion Ratio Lower Upper

43 100

58 28.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

20000

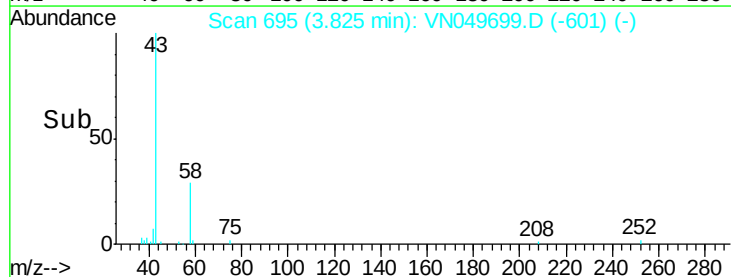
15000

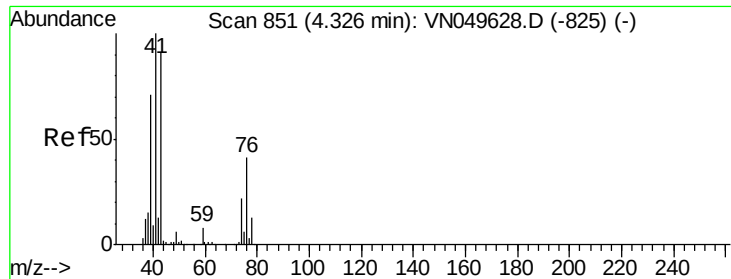
10000

5000

0

Time-->

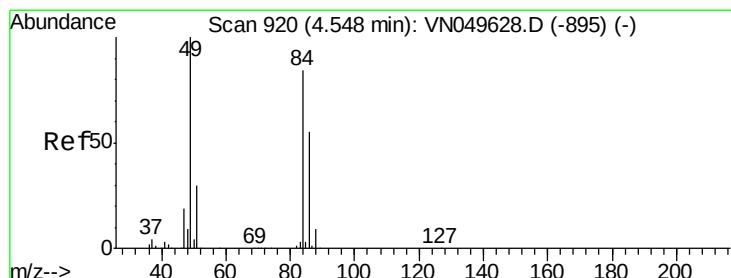
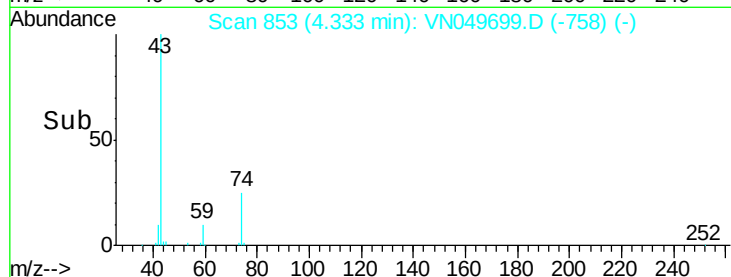
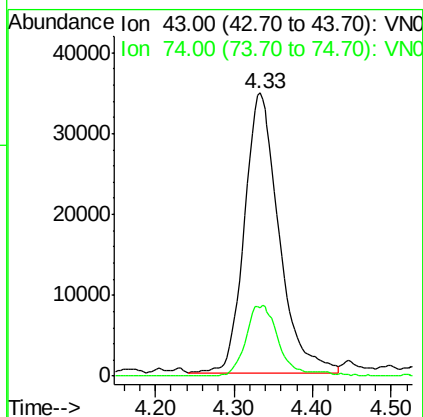
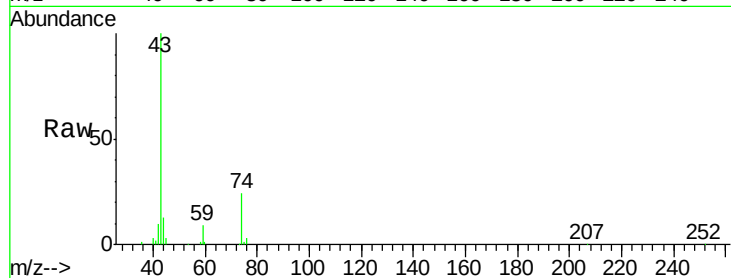




#18  
Methvl Acetate  
Concen: 1.869 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049699.D  
Acq: 3 Jul 2018 17:39

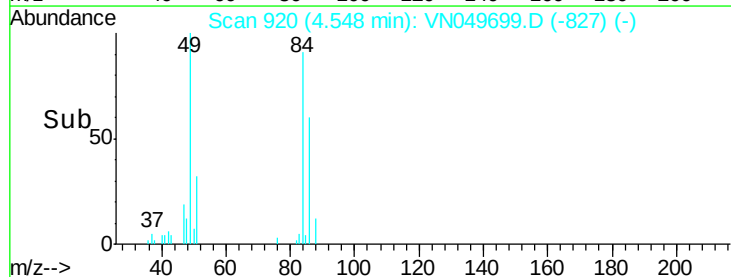
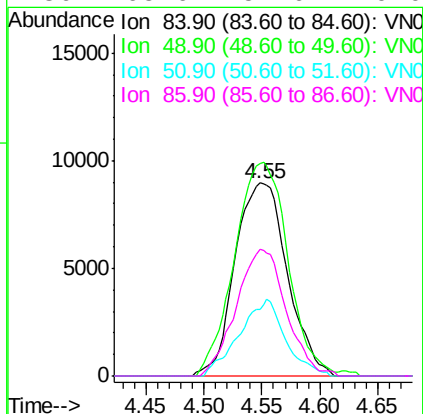
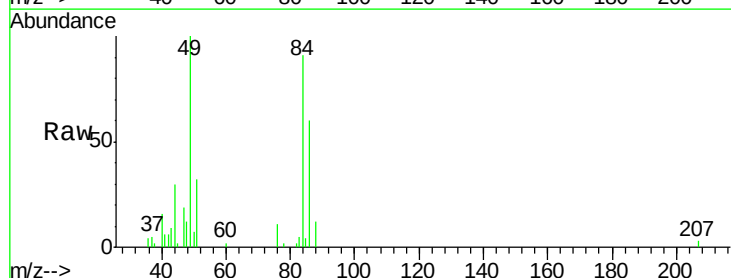
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110796ZHE#02

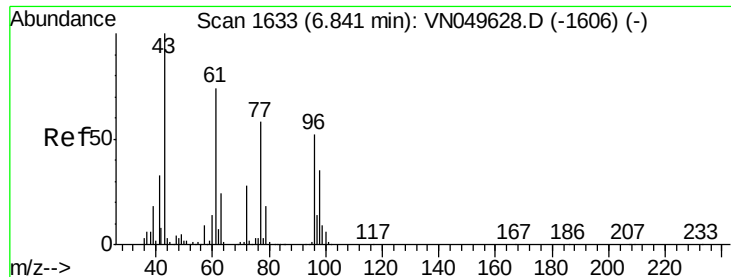
Tot Ion: 43 Resp: 106744  
Ion Ratio Lower Upper  
43 100  
74 23.7 19.8 29.8



#20  
Methylene Chloride  
Concen: 1.611 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049699.D  
Acq: 3 Jul 2018 17:39

Tgt Ion: 84 Resp: 28110  
Ion Ratio Lower Upper  
84 100  
49 110.0 95.4 143.2  
51 34.7 28.4 42.6  
86 65.6 52.6 79.0





#25

2-Butanone

Concen: 4.312 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049699.D

Acq: 3 Jul 2018 17:39

Instrument :

MSVOA\_N

ClientSampleId :

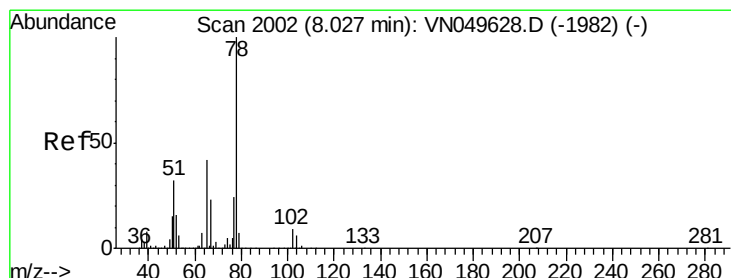
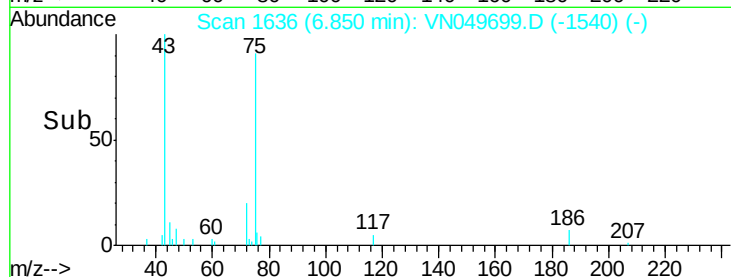
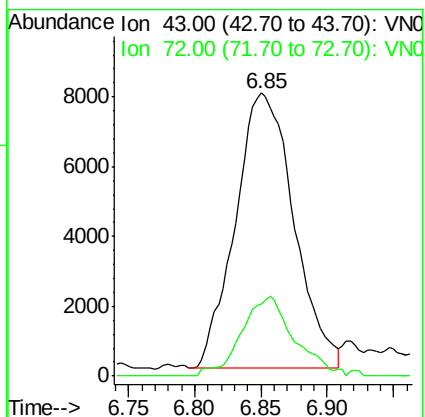
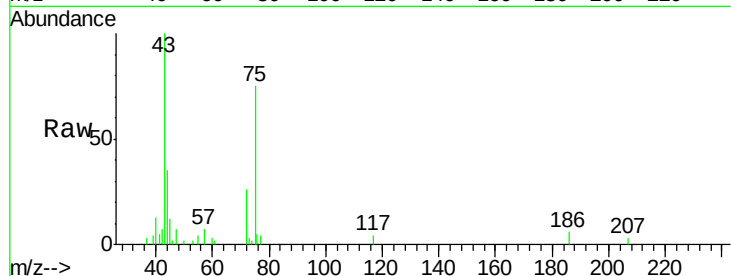
PB110796ZHE#02

Tot Ion: 43 Resp: 24255

Ion Ratio Lower Upper

43 100

72 26.5 22.1 33.1



#33

1,2-Dichloroethane-d4

Concen: 52.417 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049699.D

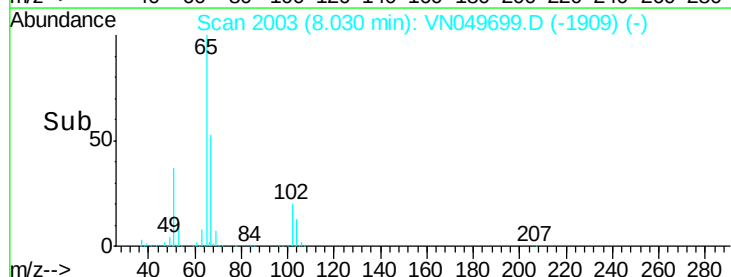
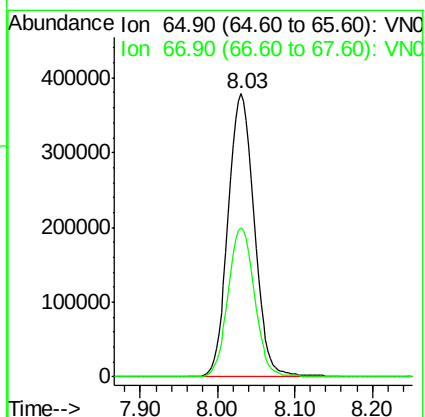
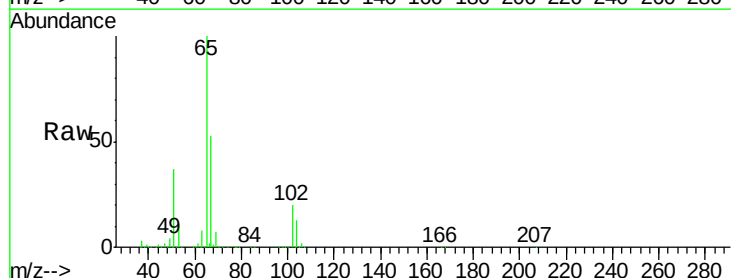
Acq: 3 Jul 2018 17:39

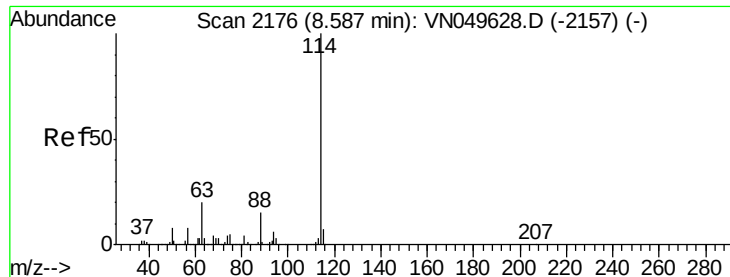
Tgt Ion: 65 Resp: 888201

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049699.D

Acq: 3 Jul 2018 17:39

Instrument :

MSVOA\_N

ClientSampleId :

PB110796ZHE#02

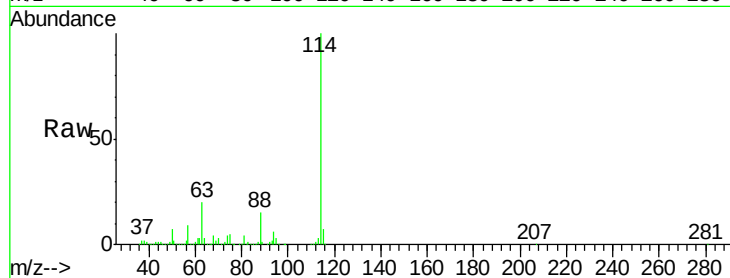
Tot Ion:114 Resp: 2093224

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

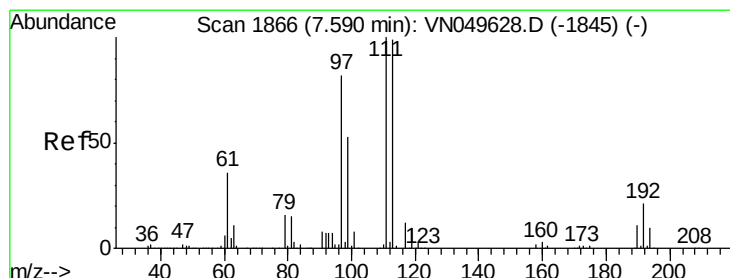
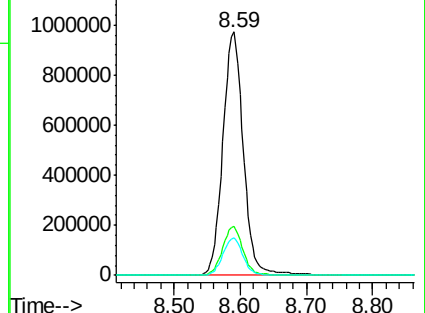
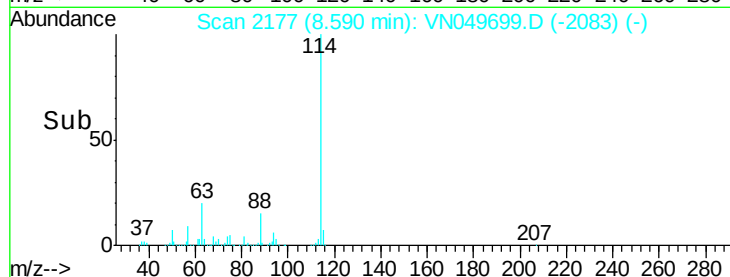
88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.953 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049699.D

Acq: 3 Jul 2018 17:39

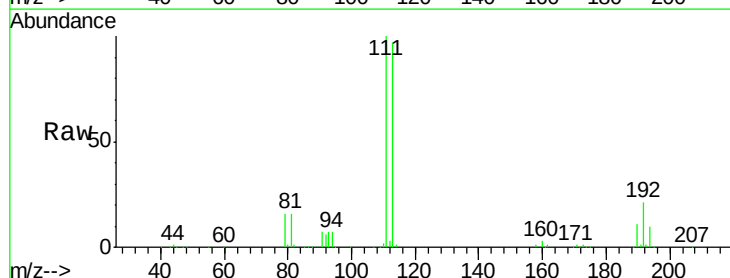
Tgt Ion:113 Resp: 734777

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

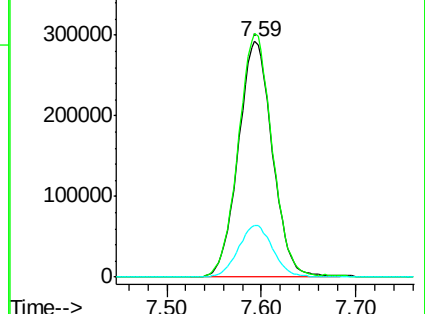
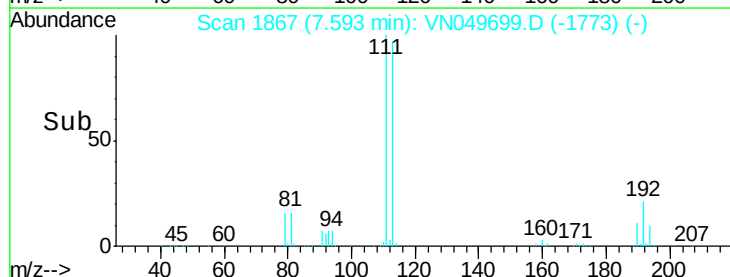
192 22.2 17.8 26.6

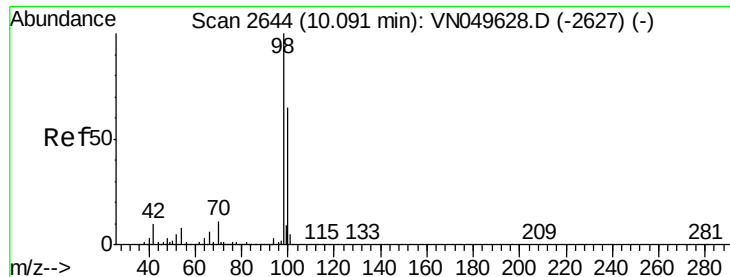


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 45.767 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049699.D

Acq: 3 Jul 2018 17:39

Instrument :

MSVOA\_N

ClientSampleId :

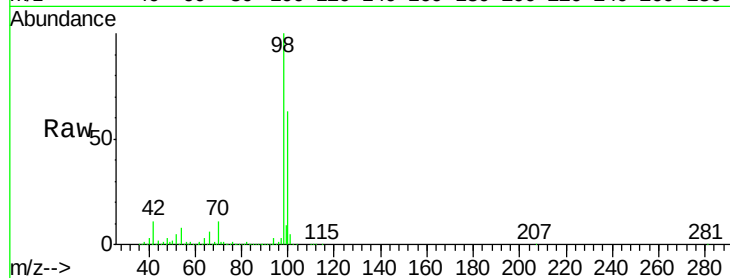
PB110796ZHE#02

Tot Ion: 98 Resp: 2803409

Ion Ratio Lower Upper

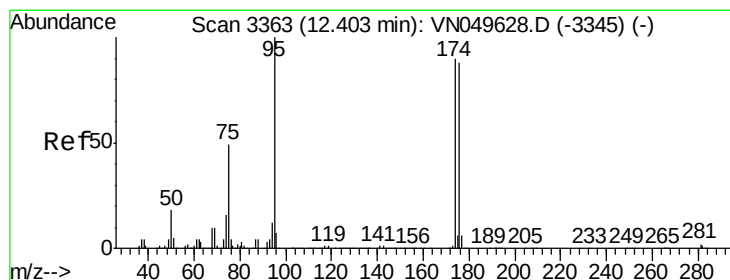
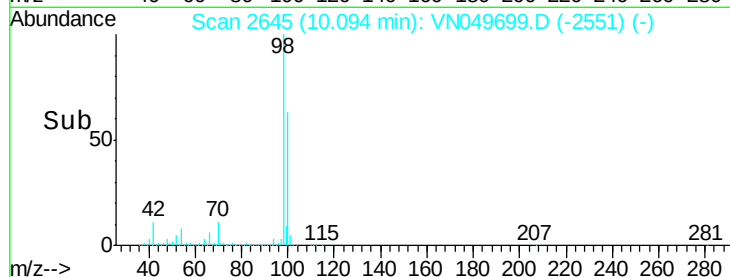
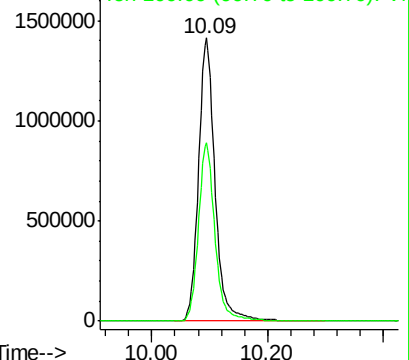
98 100

100 63.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 40.032 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049699.D

Acq: 3 Jul 2018 17:39

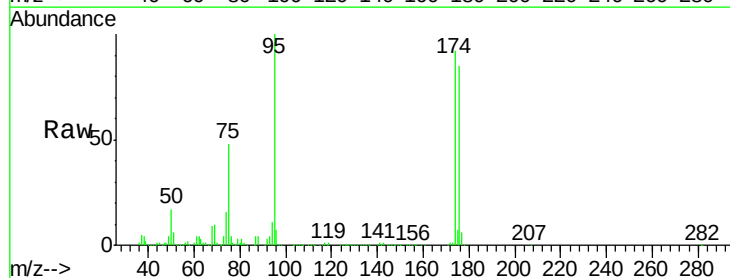
Tgt Ion: 95 Resp: 837194

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

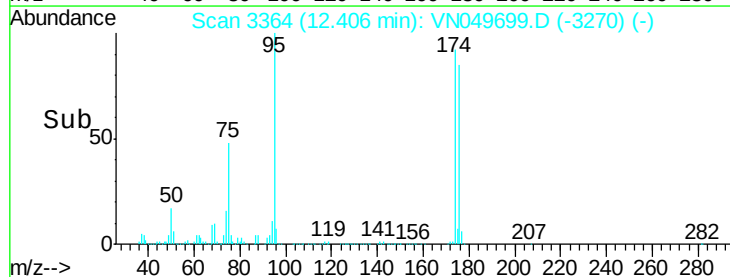
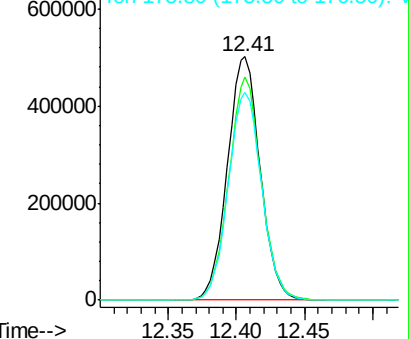
176 86.7 0.0 174.0

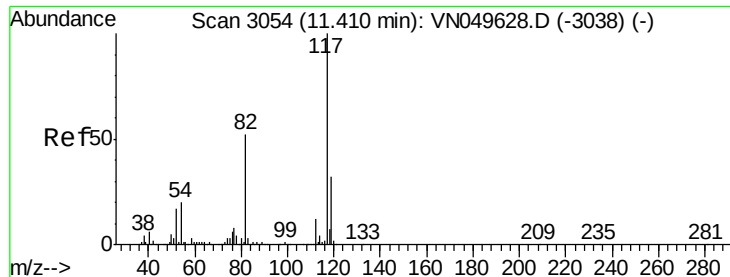


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

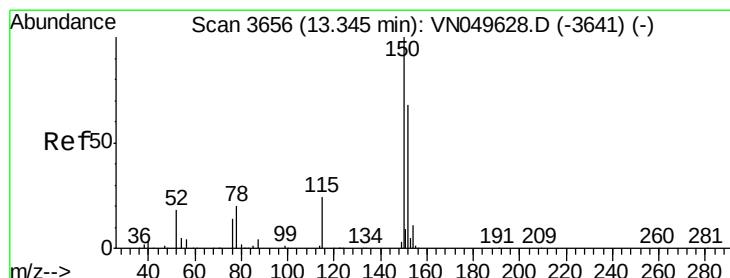
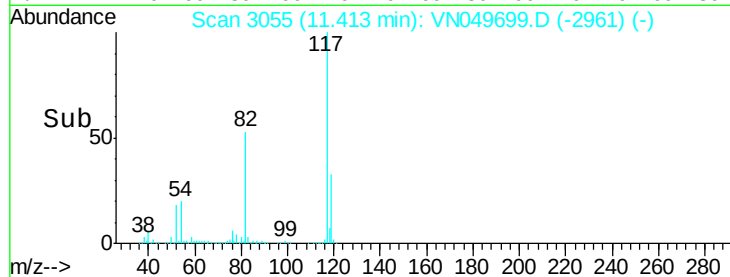
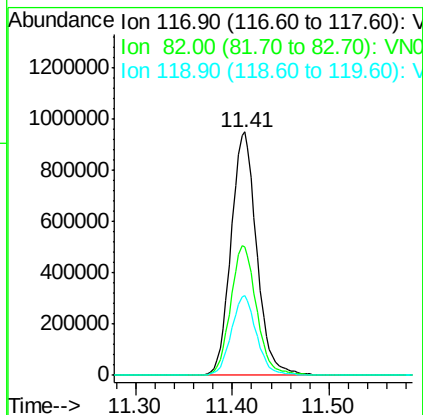
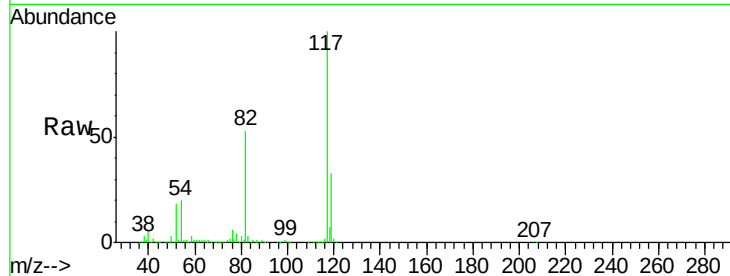




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3055  
Delta R.T. 0.00 min  
Lab File: VN049699.D  
Acq: 3 Jul 2018 17:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110796ZHE#02

Tot Ion:117 Resp: 1748883  
Ion Ratio Lower Upper  
117 100  
82 52.9 41.9 62.9  
119 32.9 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3657  
Delta R.T. 0.00 min  
Lab File: VN049699.D  
Acq: 3 Jul 2018 17:39

Tgt Ion:152 Resp: 695670  
Ion Ratio Lower Upper  
152 100  
115 55.6 28.1 84.2  
150 155.8 0.0 347.6

