

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\  
 Data File : VN053823.D  
 Acq On : 16 Feb 2019 2:27  
 Operator : JC/SP  
 Sample : PB117124ZHE#08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB117124ZHE#08

Quant Time: Feb 16 06:01:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

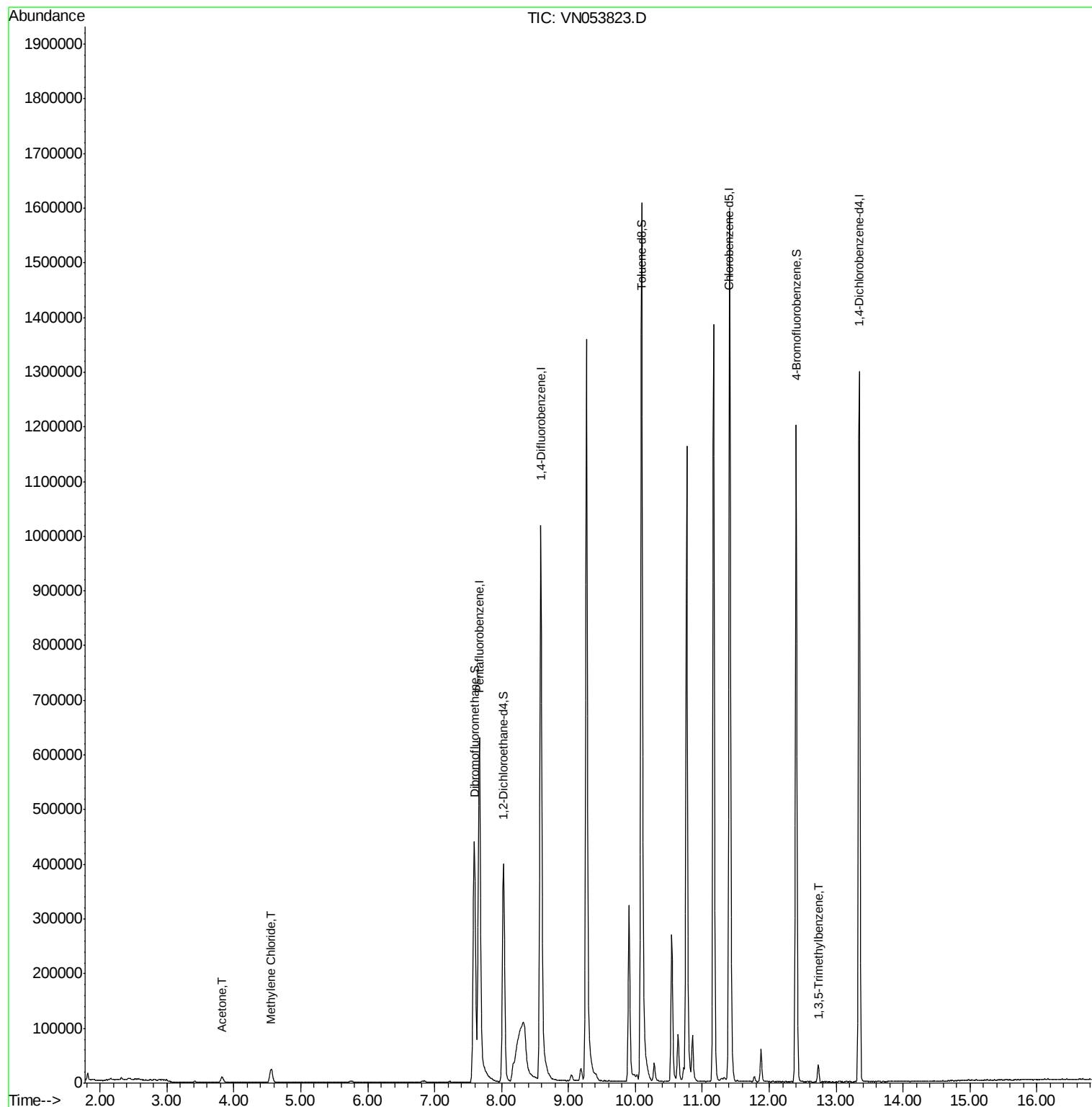
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 637734   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1085791  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1071837  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 382104   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 350849   | 54.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.68% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 346052   | 50.44  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.88% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1313102  | 50.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.94% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 417691   | 48.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.24%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 17668    | 10.766 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.55  | 84   | 19327    | 2.807  | ug/l    | 94       |
| 80) 1,3,5-Trimethylbenzene  | 12.73 | 105  | 16790    | 0.754  | ug/l    | 98       |

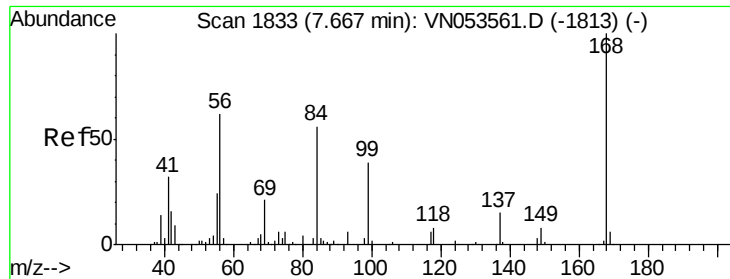
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021519\  
Data File : VN053823.D  
Acq On : 16 Feb 2019 2:27  
Operator : JC/SP  
Sample : PB117124ZHE#08  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB117124ZHE#08

Quant Time: Feb 16 06:01:58 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053823.D

Acq: 16 Feb 2019 2:27

Instrument :

MSVOA\_N

ClientSampleId :

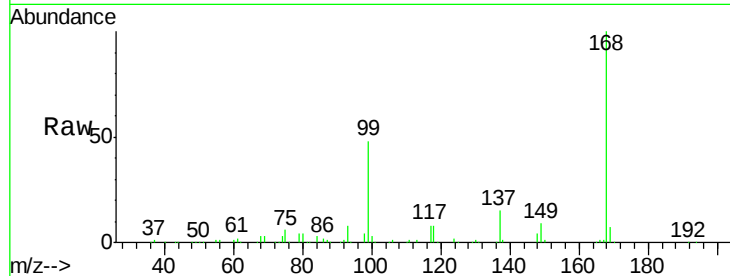
PB117124ZHE#08

Tot Ion:168 Resp: 637734

Ion Ratio Lower Upper

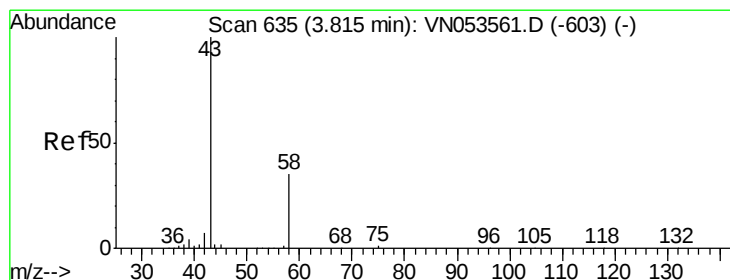
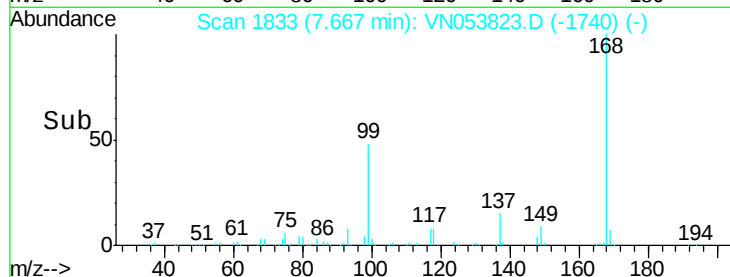
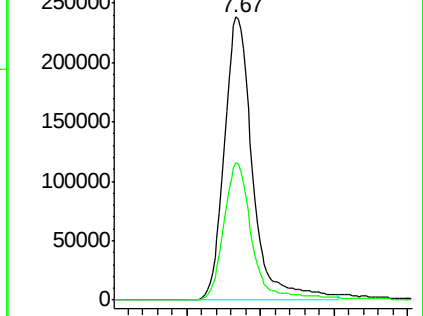
168 100

99 48.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 10.766 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053823.D

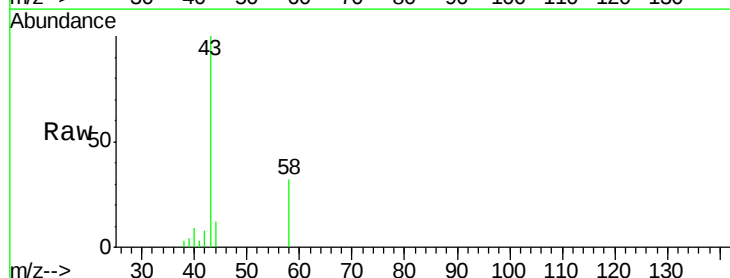
Acq: 16 Feb 2019 2:27

Tgt Ion: 43 Resp: 17668

Ion Ratio Lower Upper

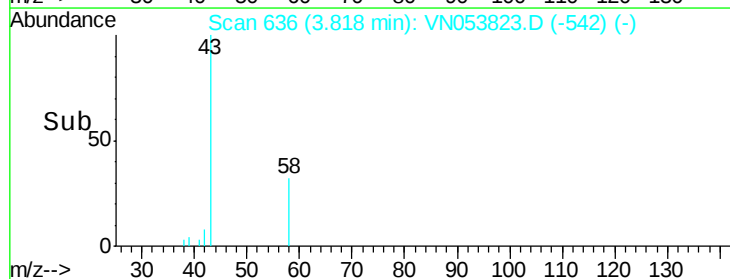
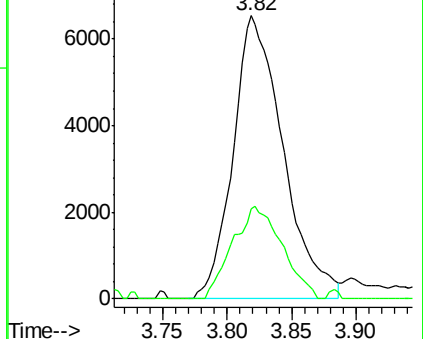
43 100

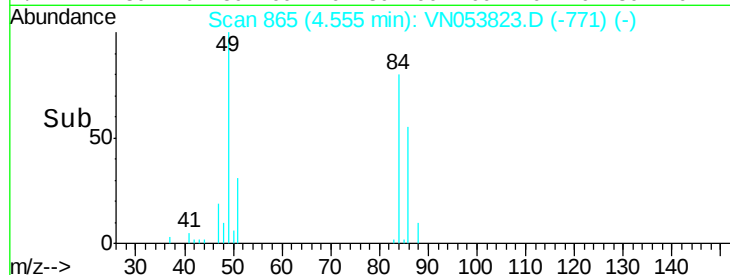
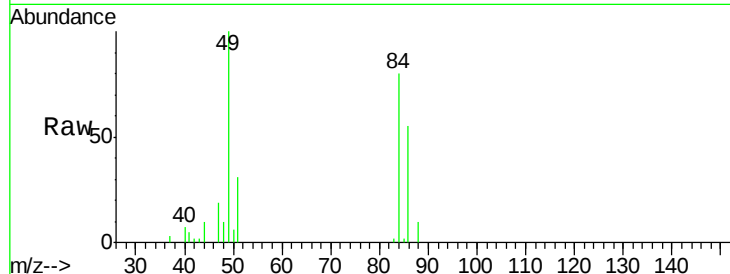
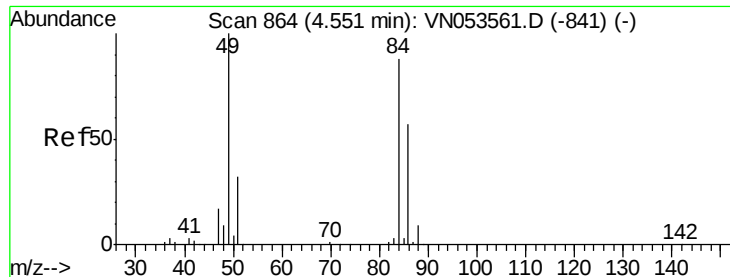
58 31.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

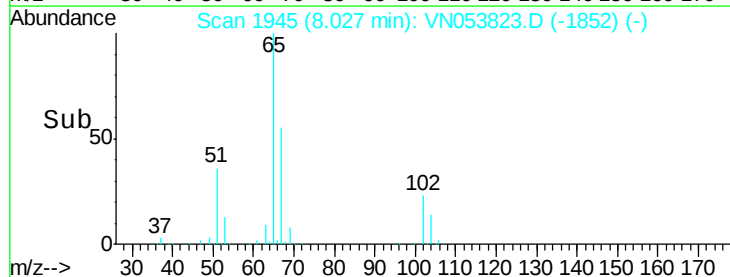
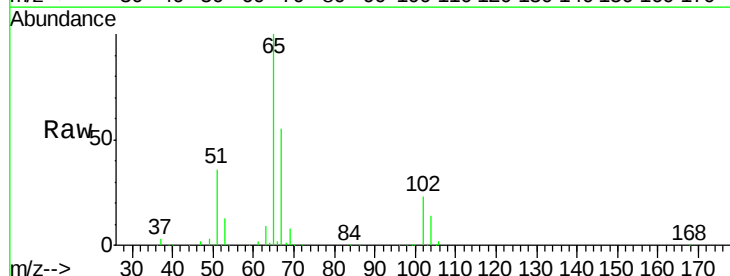
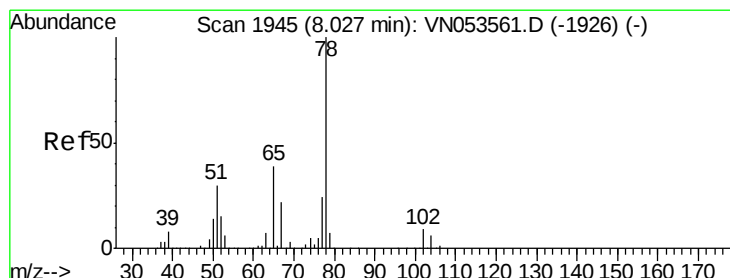
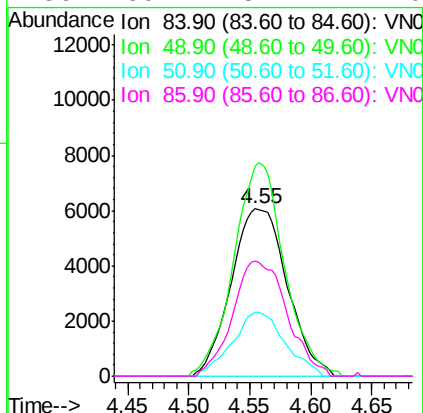




#20  
Methvlene Chloride  
Concen: 2.807 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053823.D  
Acq: 16 Feb 2019 2:27

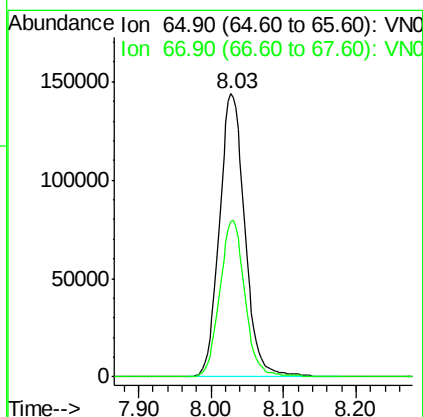
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB117124ZHE#08

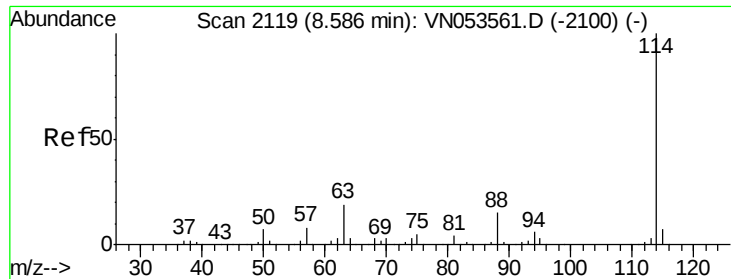
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 19327 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 125.6 | 94.3  | 141.5 |
| 51       | 38.6  | 29.4  | 44.2  |
| 86       | 69.1  | 51.4  | 77.0  |



#33  
1,2-Dichloroethane-d4  
Concen: 54.840 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN053823.D  
Acq: 16 Feb 2019 2:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 350849 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.5  | 0.0   | 111.2  |

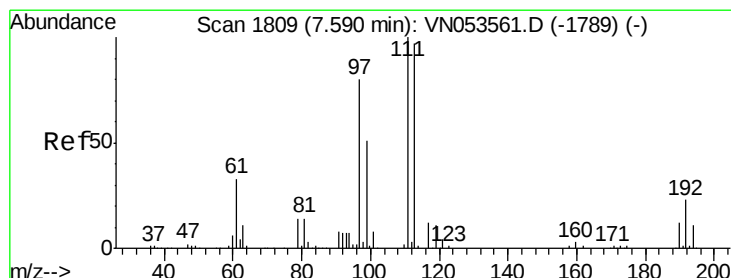
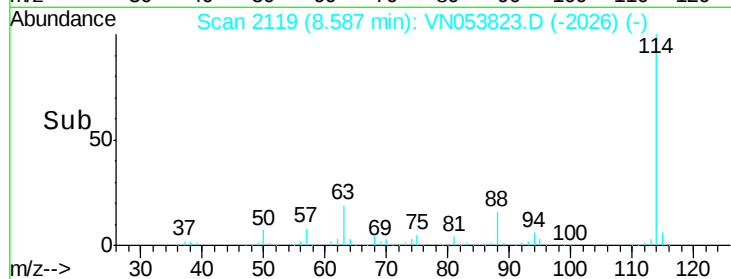
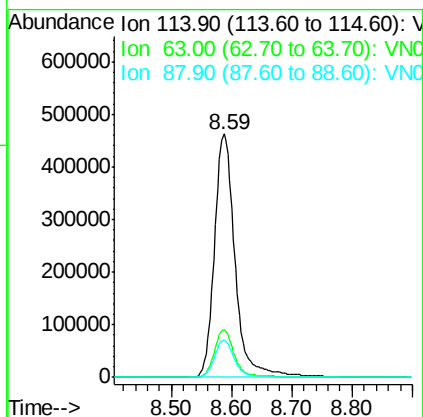
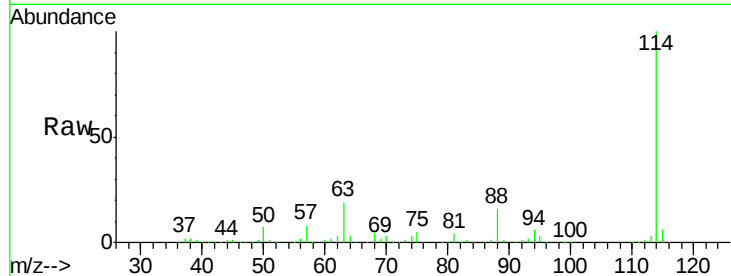




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053823.D  
 Acq: 16 Feb 2019 2:27

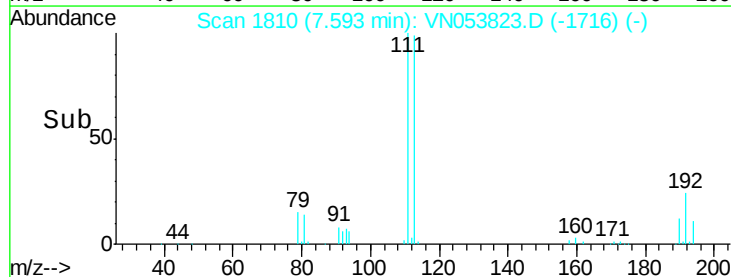
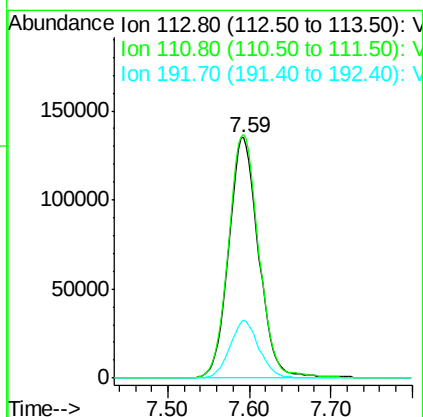
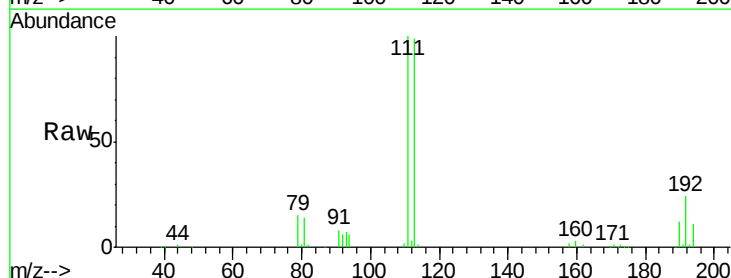
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB117124ZHE#08

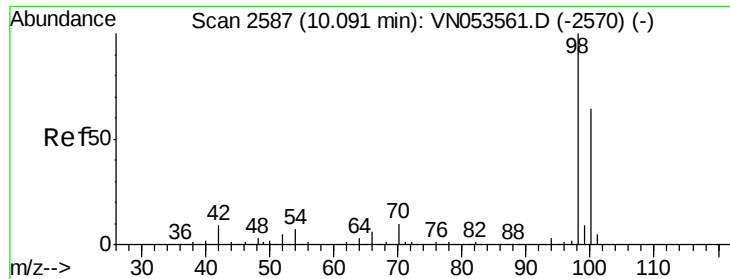
Tot Ion:114 Resp: 1085791  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 38.6  
 88 15.5 0.0 30.4



#35  
 Dibromofluoromethane  
 Concen: 50.439 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053823.D  
 Acq: 16 Feb 2019 2:27

Tgt Ion:113 Resp: 346052  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 81.1 121.7  
 192 23.3 18.2 27.2





#50

Toluene-d8

Concen: 50.973 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053823.D

Acq: 16 Feb 2019 2:27

Instrument :

MSVOA\_N

ClientSampleId :

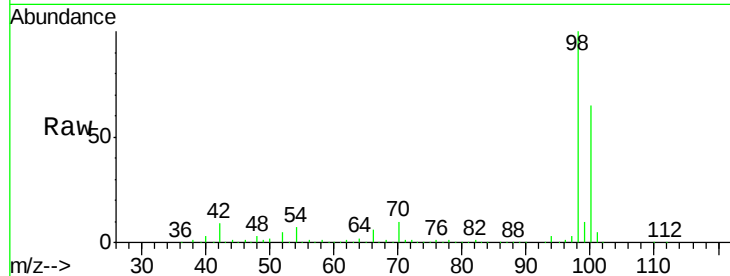
PB117124ZHE#08

Tot Ion: 98 Resp: 1313102

Ion Ratio Lower Upper

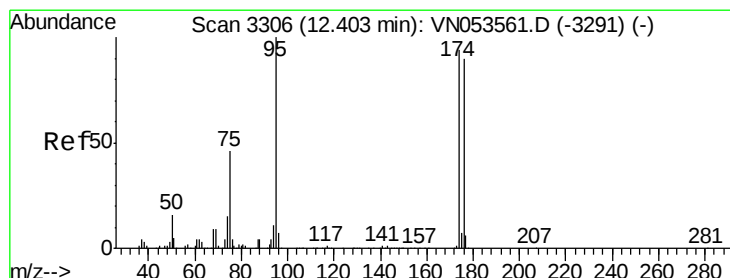
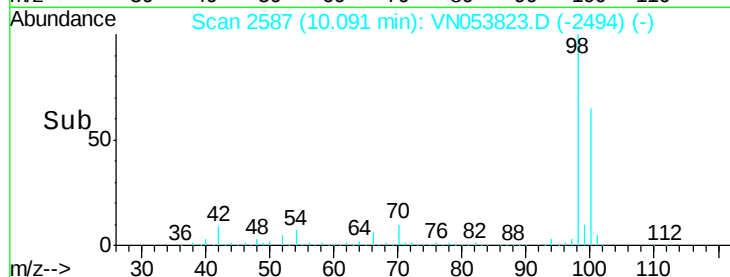
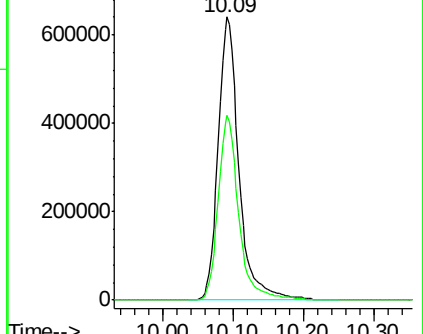
98 100

100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 48.616 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053823.D

Acq: 16 Feb 2019 2:27

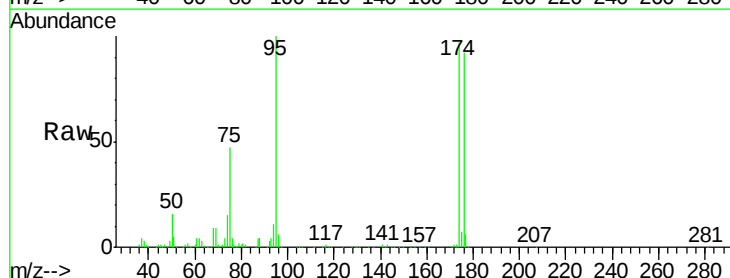
Tgt Ion: 95 Resp: 417691

Ion Ratio Lower Upper

95 100

174 96.6 0.0 183.2

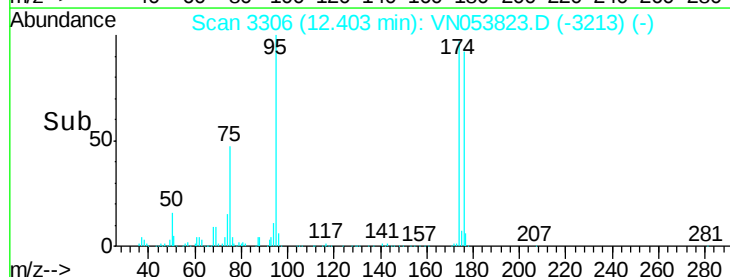
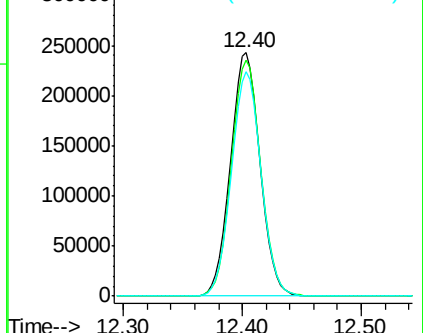
176 92.6 0.0 177.4

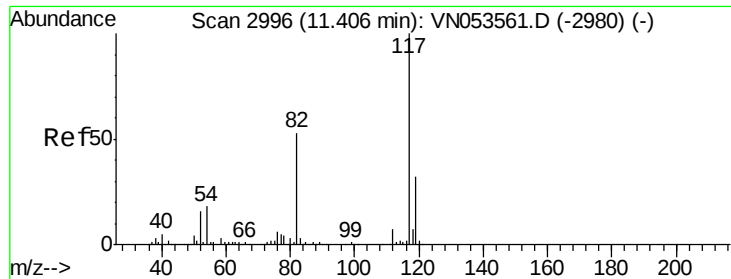


Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)

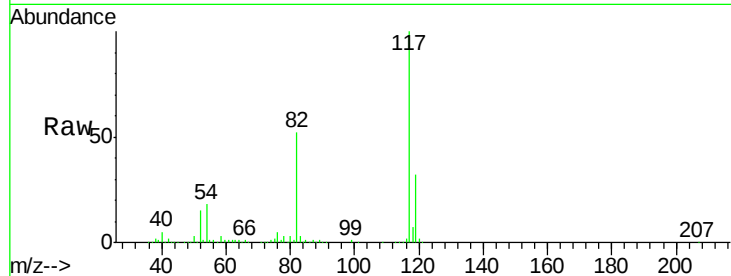




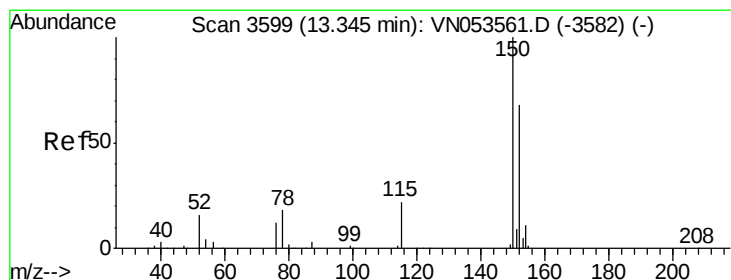
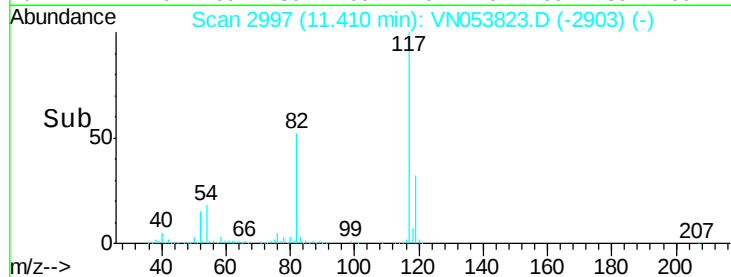
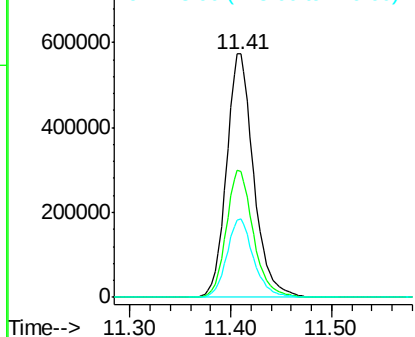
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053823.D  
Acq: 16 Feb 2019 2:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB117124ZHE#08

Tot Ion:117 Resp: 1071837  
Ion Ratio Lower Upper  
117 100  
82 51.7 42.9 64.3  
119 32.2 26.0 39.0

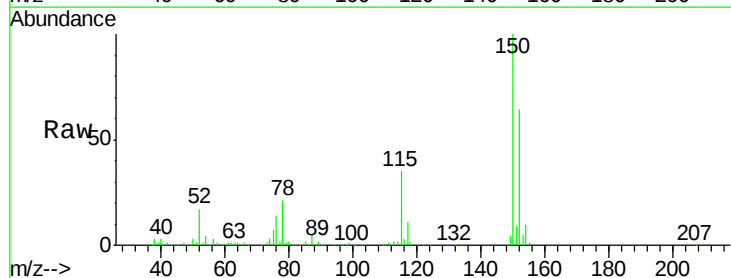


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

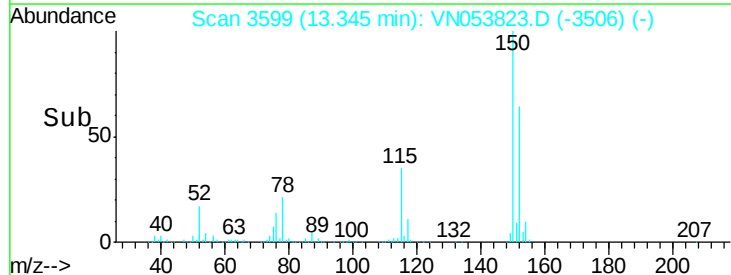
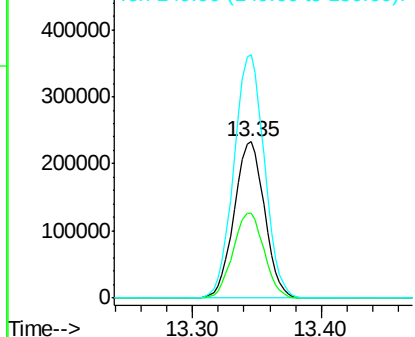


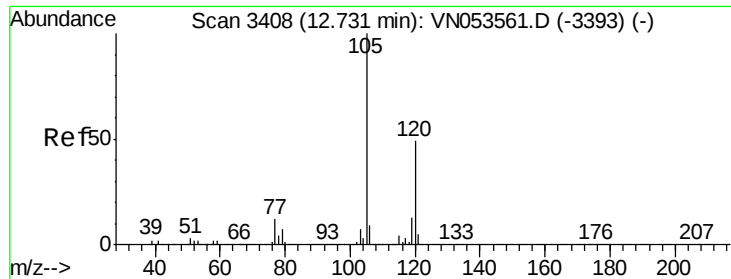
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053823.D  
Acq: 16 Feb 2019 2:27

Tgt Ion:152 Resp: 382104  
Ion Ratio Lower Upper  
152 100  
115 55.2 27.8 83.4  
150 156.3 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.754 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN053823.D  
 Acq: 16 Feb 2019 2:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB117124ZHE#08

Tot Ion:105 Resp: 16790  
 Ion Ratio Lower Upper  
 105 100  
 120 51.0 24.9 74.6

