

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\  
 Data File : VN052636.D  
 Acq On : 3 Dec 2018 17:23  
 Operator : MD\SY  
 Sample : PB115231ZHE#07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115231ZHE#07

Quant Time: Dec 04 01:22:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 03 03:24:02 2018  
 Response via : Initial Calibration

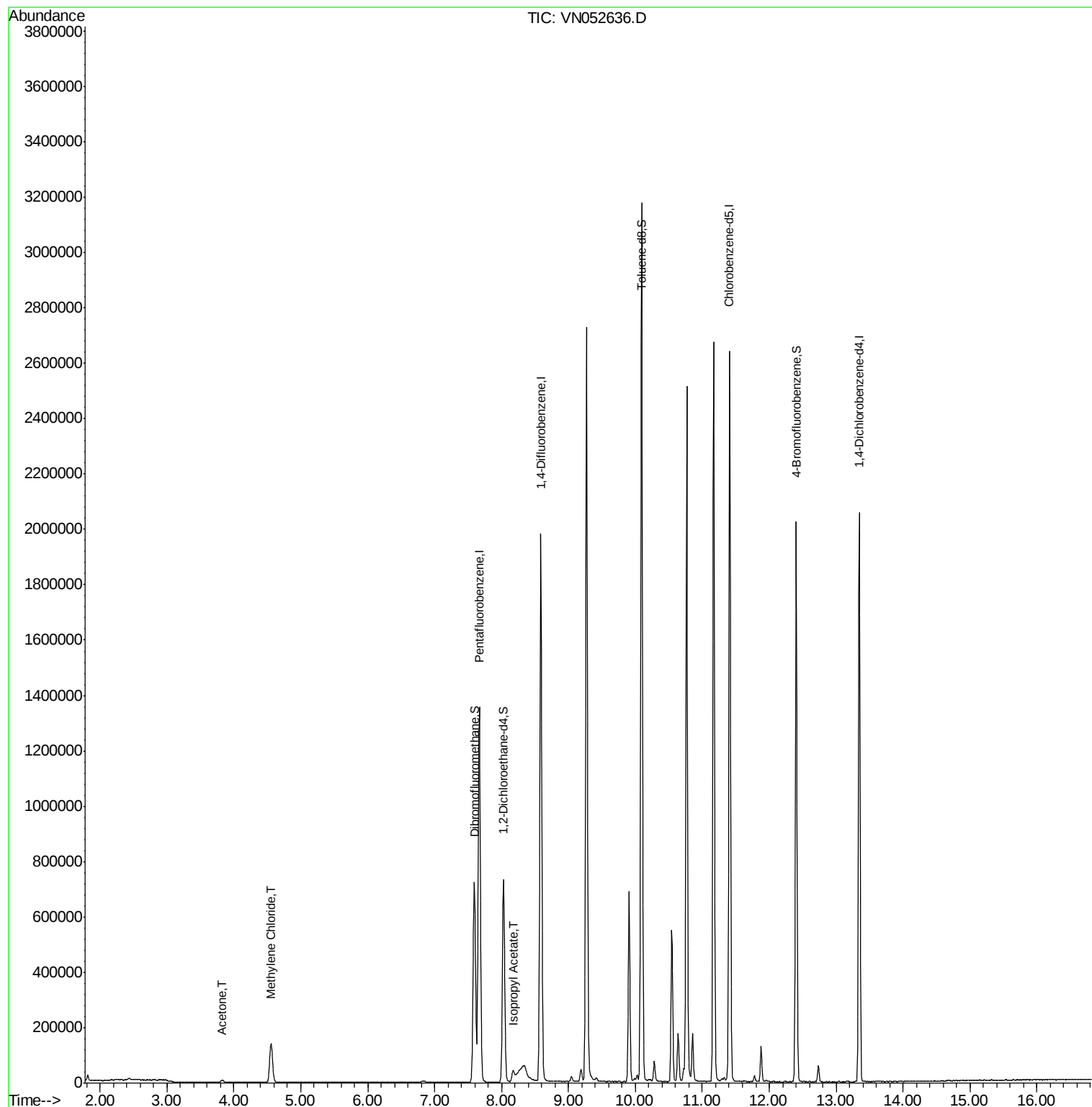
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1184750  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1820322  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1591390  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 577913   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 620418   | 48.10 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.20%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 563758   | 50.24 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.48% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2241673  | 51.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.64% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 690038   | 47.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.02%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 13753    | 4.042 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.55  | 84   | 107693   | 8.088 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 65019    | 3.662 | ug/l #  | 76       |

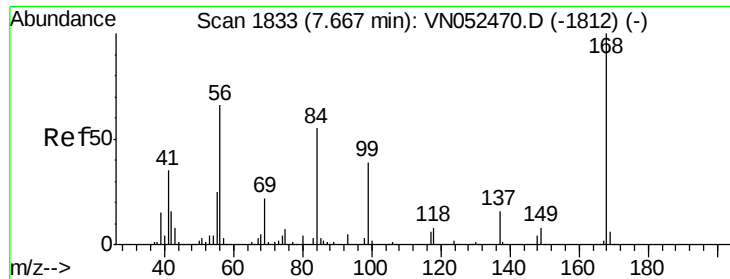
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 03 03:24:02 2018  
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: VN052636.D

Acq: 3 Dec 2018 17:23

Instrument :

MSVOA\_N

ClientSampleId :

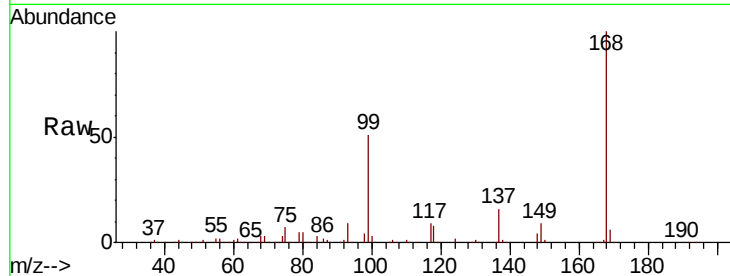
PB115231ZHE#07

Tot Ion:168 Resp: 1184750

Ion Ratio Lower Upper

168 100

99 51.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

500000

400000

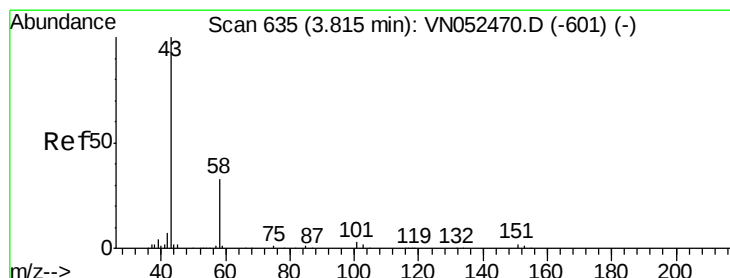
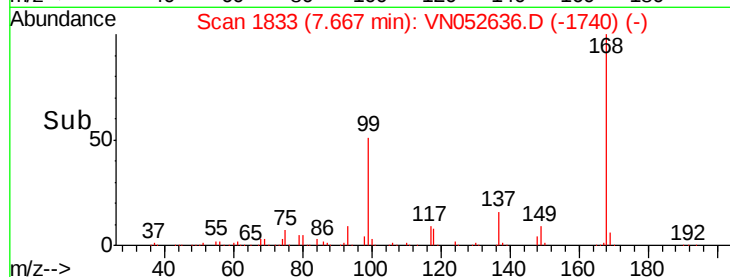
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.042 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052636.D

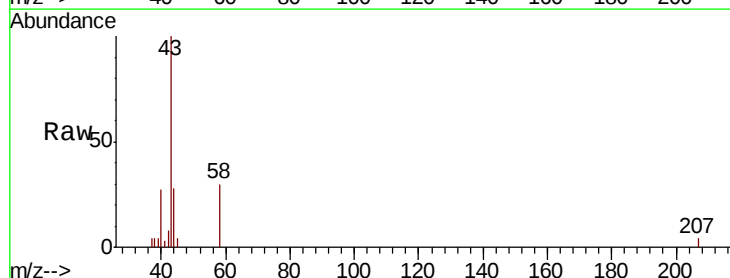
Acq: 3 Dec 2018 17:23

Tgt Ion: 43 Resp: 13753

Ion Ratio Lower Upper

43 100

58 31.1 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

3.82

6000

5000

4000

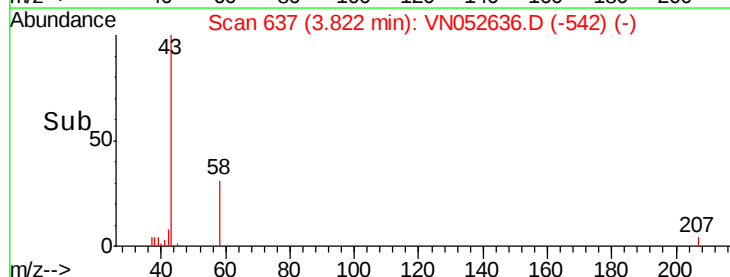
3000

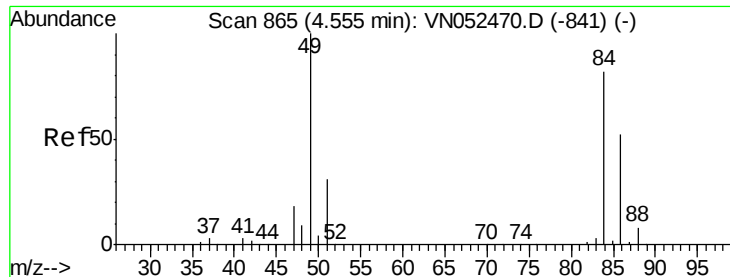
2000

1000

0

Time-->

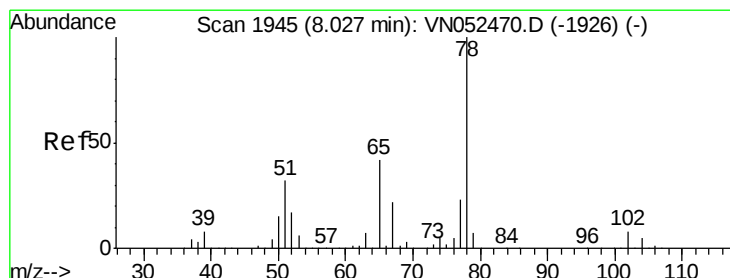
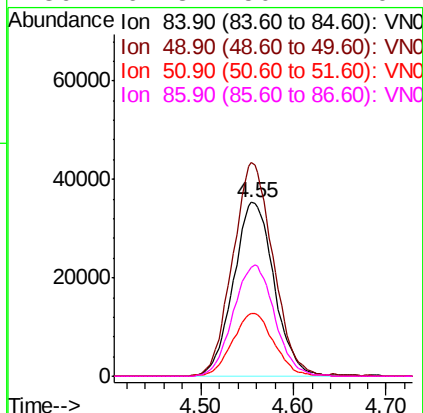
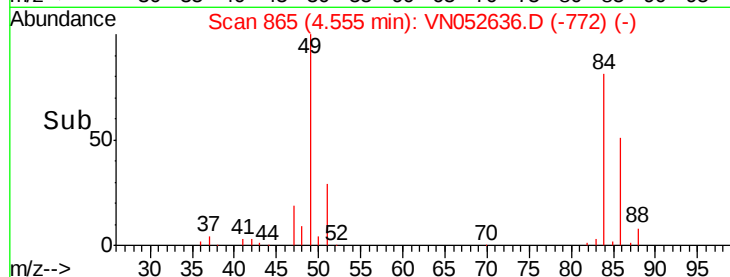
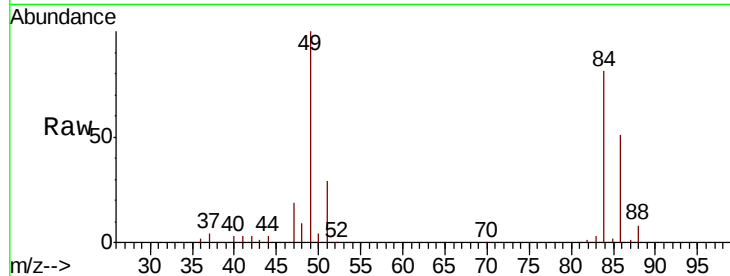




#20  
Methylene Chloride  
Concen: 8.088 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052636.D  
Acq: 3 Dec 2018 17:23

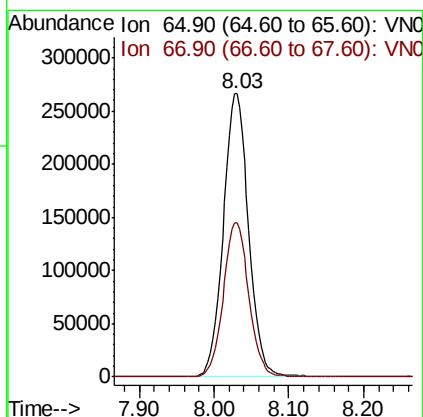
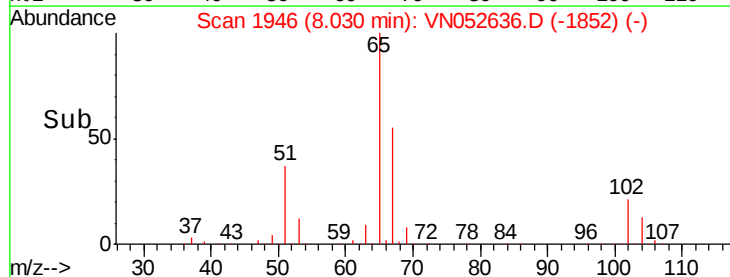
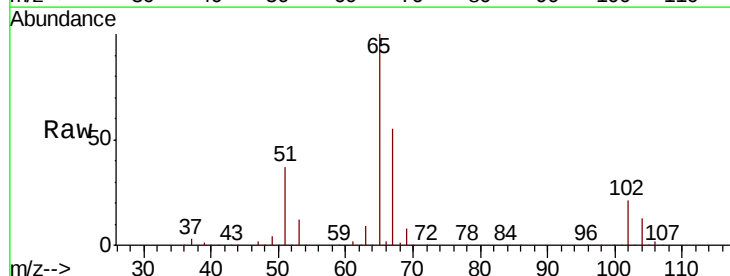
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115231ZHE#07

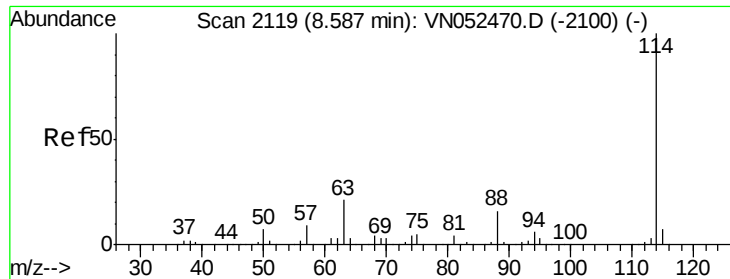
Tot Ion: 84 Resp: 107693  
Ion Ratio Lower Upper  
84 100  
49 123.0 98.0 147.0  
51 36.2 30.1 45.1  
86 62.3 50.7 76.1



#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN052636.D  
Acq: 3 Dec 2018 17:23

Tgt Ion: 65 Resp: 620418  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 109.8

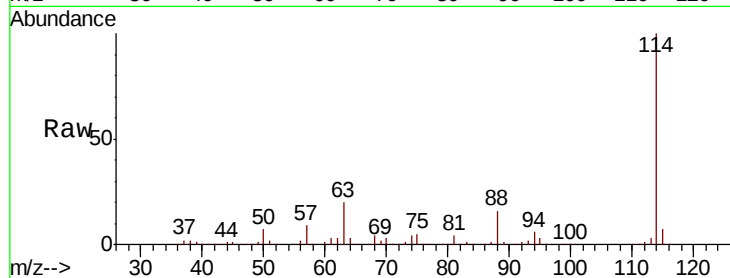




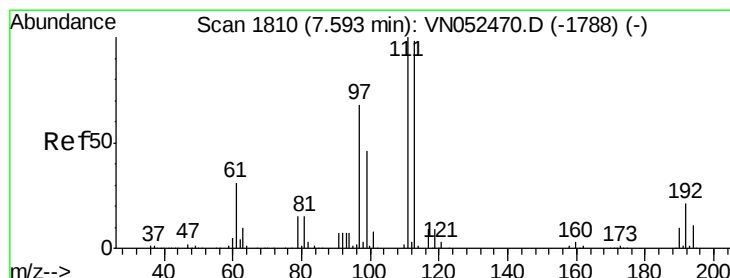
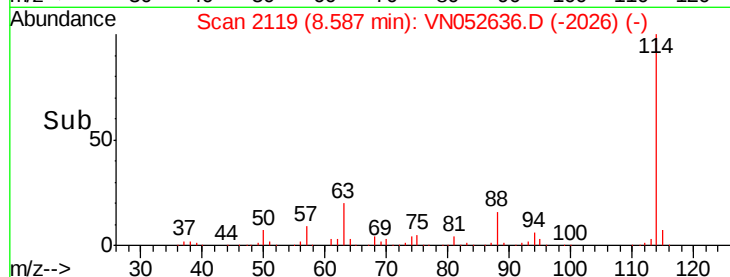
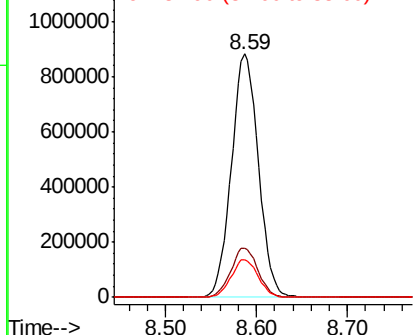
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052636.D  
 Acq: 3 Dec 2018 17:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115231ZHE#07

Tot Ion:114 Resp: 1820322  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 41.8  
 88 15.6 0.0 31.6

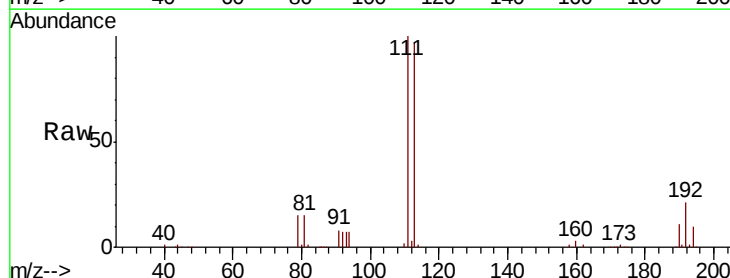


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

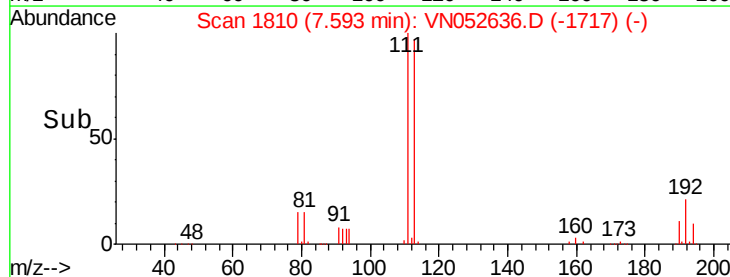
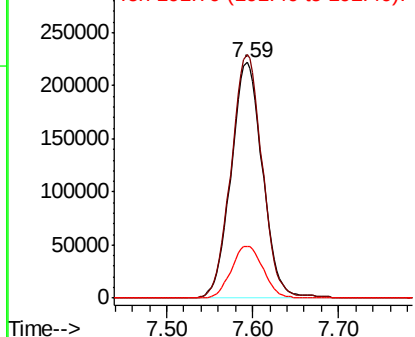


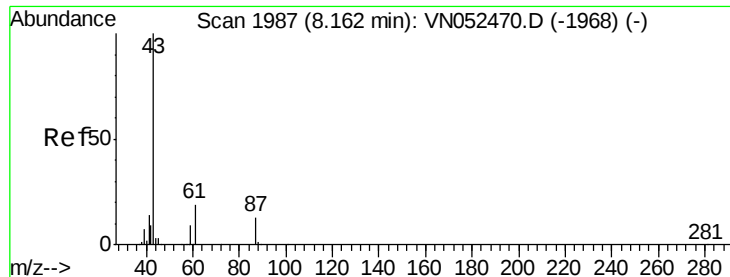
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052636.D  
 Acq: 3 Dec 2018 17:23

Tgt Ion:113 Resp: 563758  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 82.0 123.0  
 192 22.4 17.0 25.6



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





#43

Isopropyl Acetate

Concen: 3.662 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN052636.D

Acq: 3 Dec 2018 17:23

Instrument :

MSVOA\_N

ClientSampleId :

PB115231ZHE#07

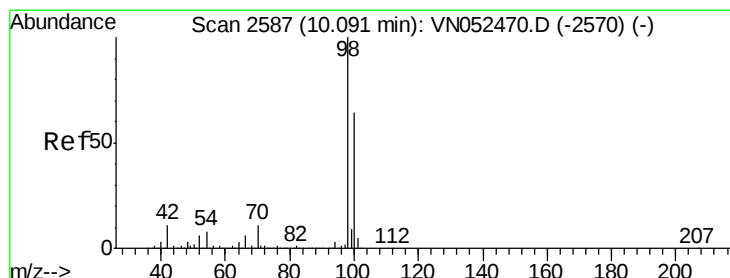
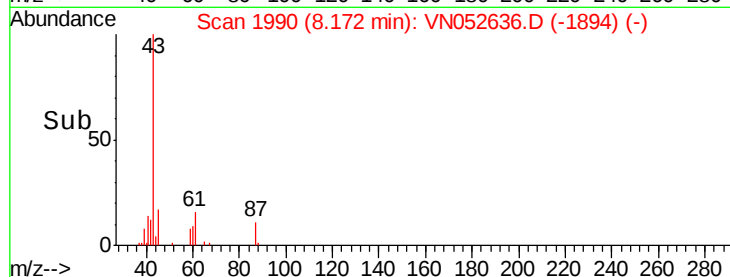
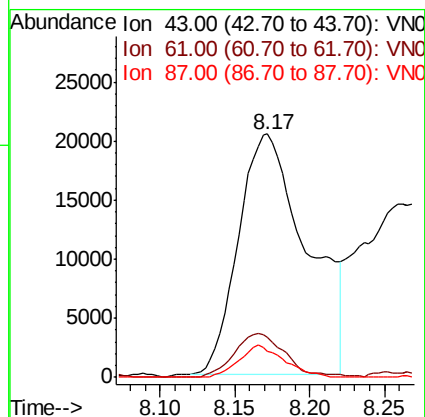
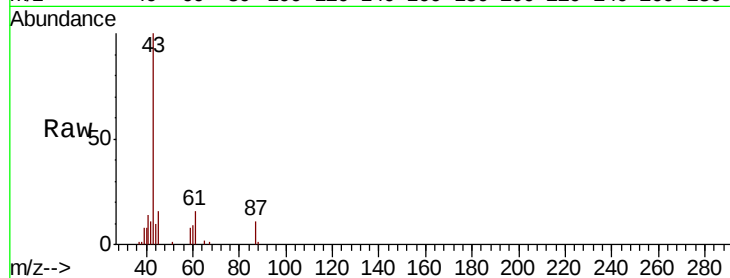
Tot Ion: 43 Resp: 65019

Ion Ratio Lower Upper

43 100

61 13.7 24.1 36.1#

87 8.7 10.6 15.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052636.D

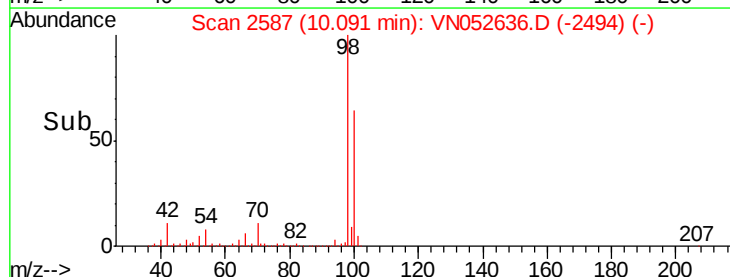
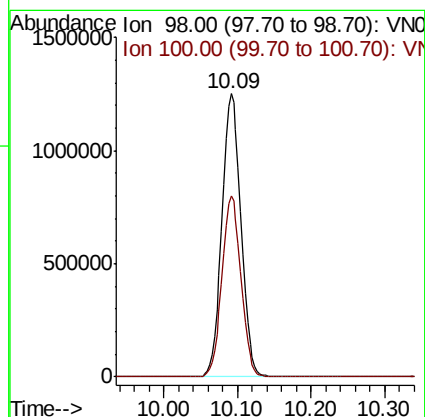
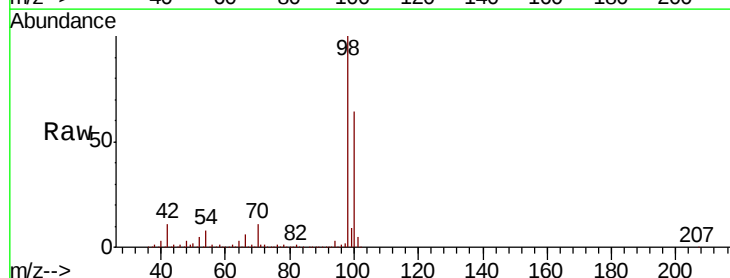
Acq: 3 Dec 2018 17:23

Tgt Ion: 98 Resp: 2241673

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9

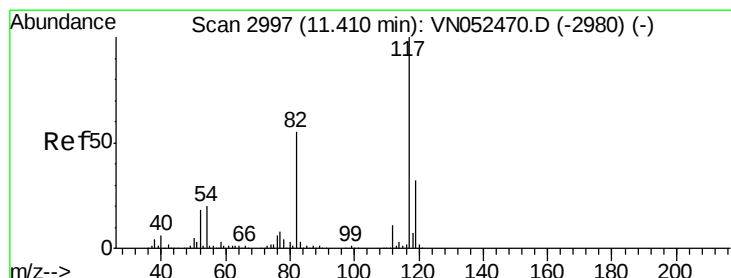
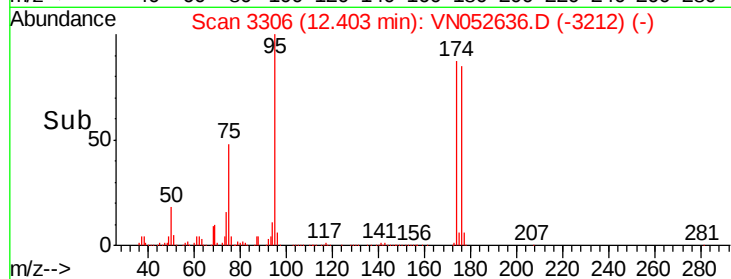
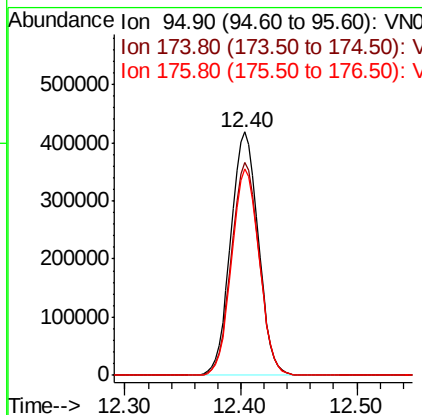
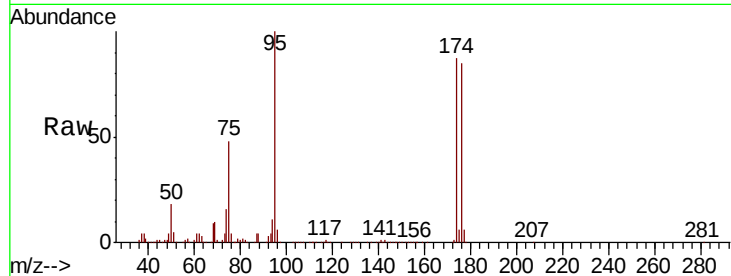




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN052636.D  
Acq: 3 Dec 2018 17:23

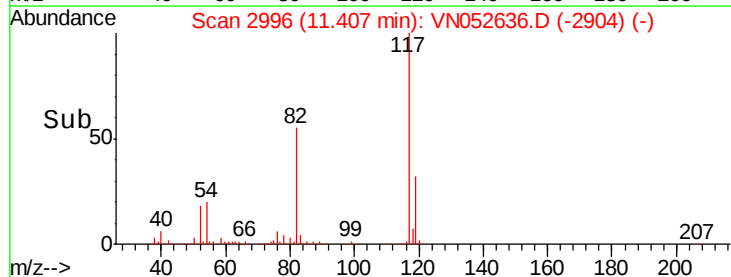
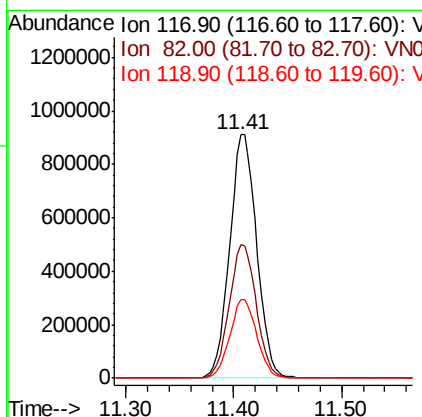
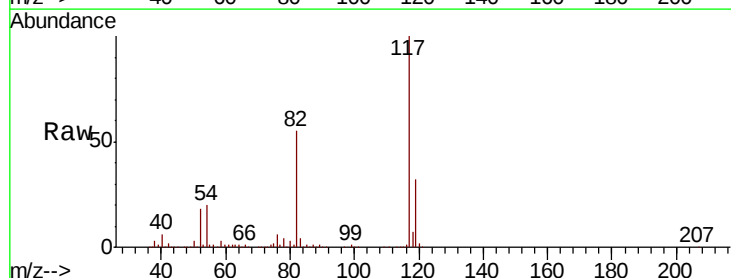
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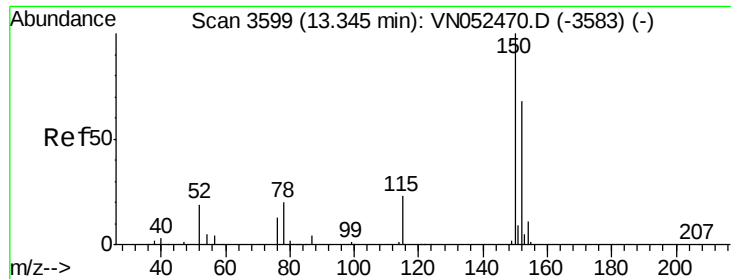
Tot Ion: 95 Resp: 690038  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 173.0  
176 84.7 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052636.D  
Acq: 3 Dec 2018 17:23

Tgt Ion: 117 Resp: 1591390  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.6 65.4  
119 32.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052636.D

Acq: 3 Dec 2018 17:23

Instrument :

MSVOA\_N

ClientSampleId :

PB115231ZHE#07

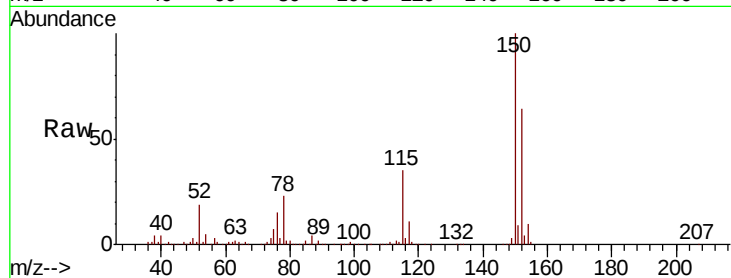
Tot Ion:152 Resp: 577913

Ion Ratio Lower Upper

152 100

115 56.2 28.4 85.2

150 156.8 0.0 346.0



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

