

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\  
 Data File : VN053421.D  
 Acq On : 16 Jan 2019 13:28  
 Operator : JC/SP  
 Sample : PB116405ZHE#04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116405ZHE#04

Quant Time: Jan 17 04:17:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

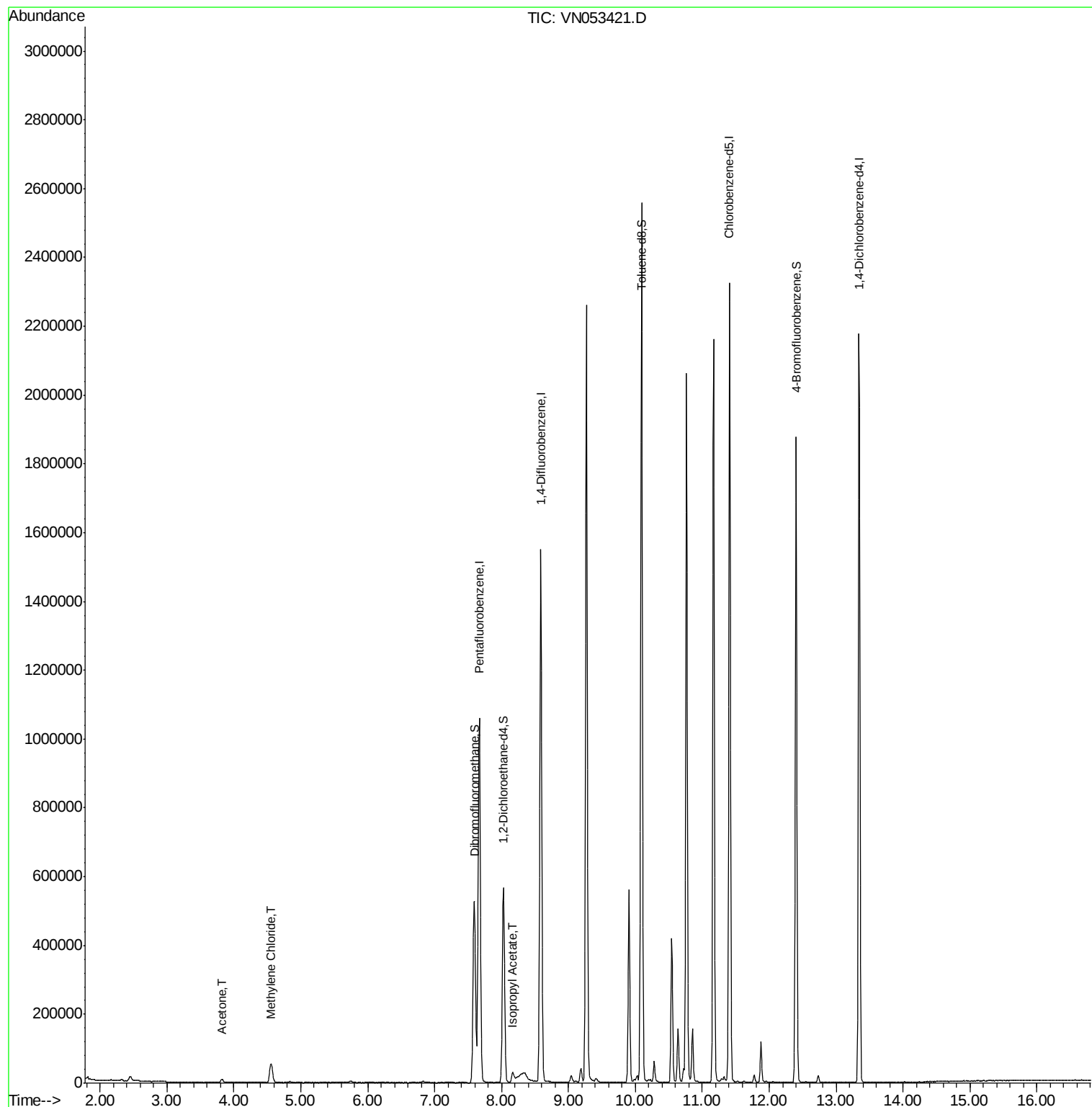
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 932923   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1449012  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1413862  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 624411   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 476724   | 51.70 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.40% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 412427   | 49.87 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.74%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1832629  | 52.40 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.80% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 649439   | 52.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.92% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 18212    | 8.418 | ug/l    | 95       |
| 20) Methylene Chloride      | 4.55  | 84   | 45011    | 4.557 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 41624    | 3.049 | ug/l #  | 83       |

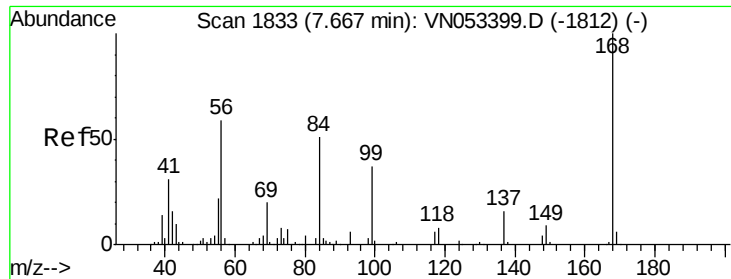
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011619\  
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Quant Title : SW846 8260  
QLast Update : Wed Jan 16 03:10:53 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: VN053421.D

Acq: 16 Jan 2019 13:28

Instrument :

MSVOA\_N

ClientSampleId :

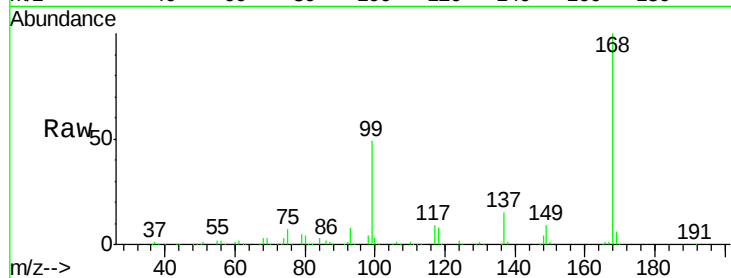
PB116405ZHE#04

Tot Ion:168 Resp: 932923

Ion Ratio Lower Upper

168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

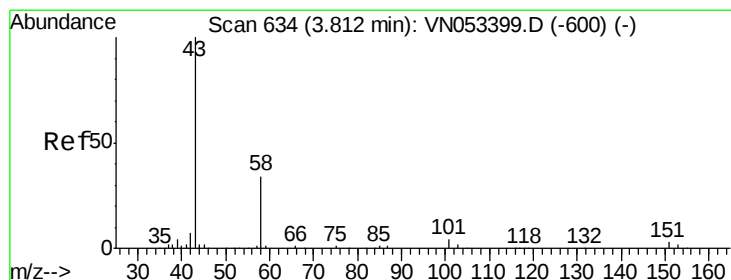
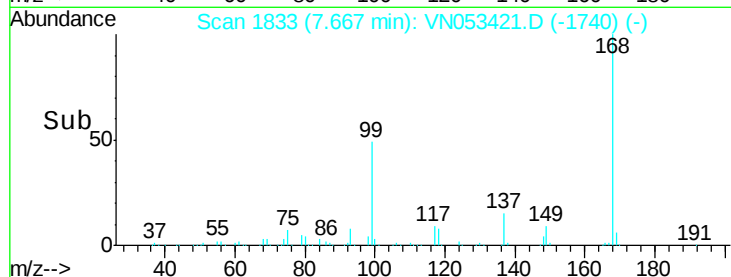
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 8.418 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053421.D

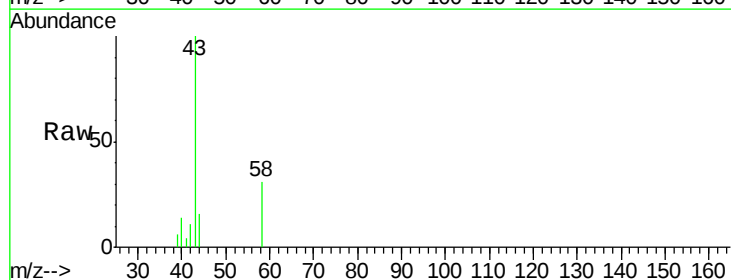
Acq: 16 Jan 2019 13:28

Tgt Ion: 43 Resp: 18212

Ion Ratio Lower Upper

43 100

58 30.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

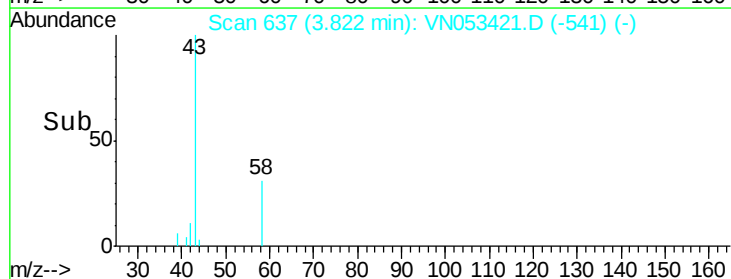
6000

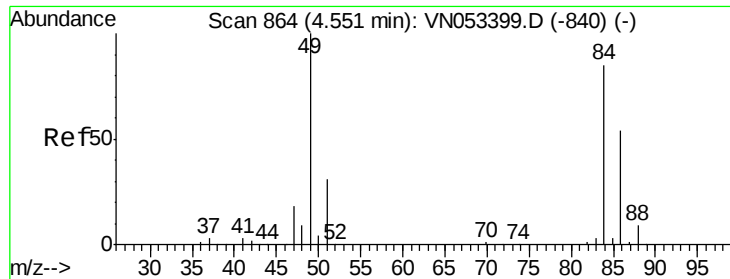
4000

2000

0

Time-->

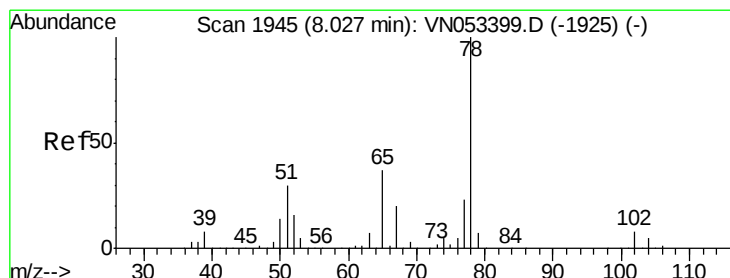
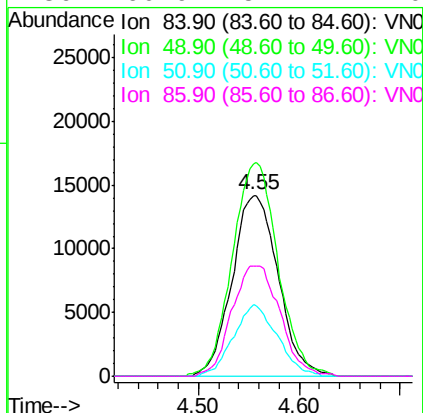
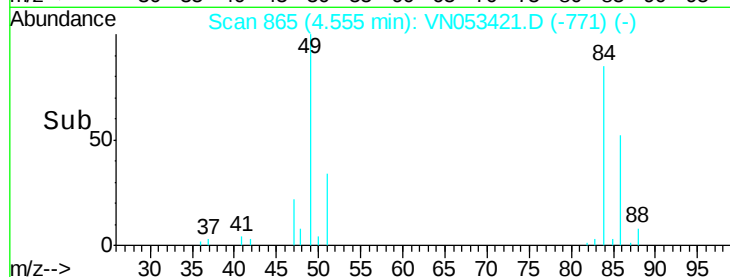
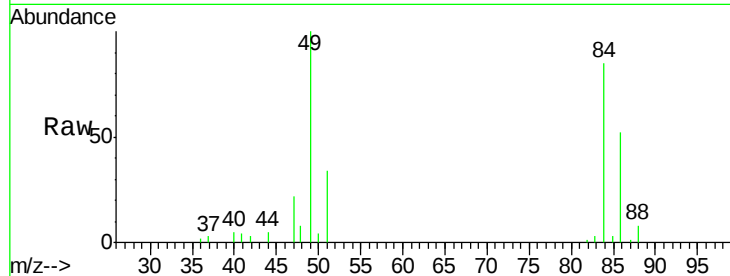




#20  
Methvlene Chloride  
Concen: 4.557 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053421.D  
Acq: 16 Jan 2019 13:28

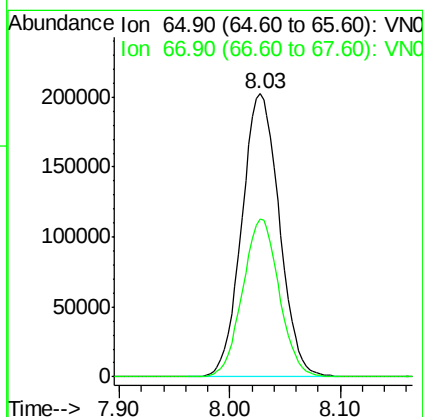
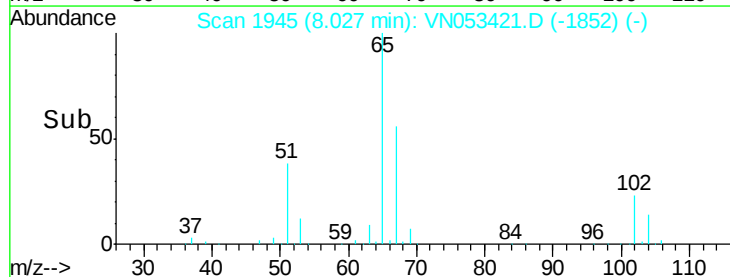
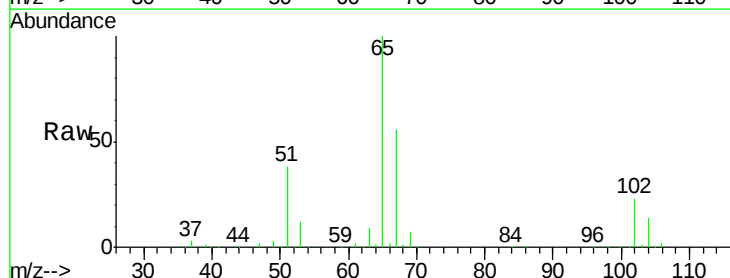
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116405ZHE#04

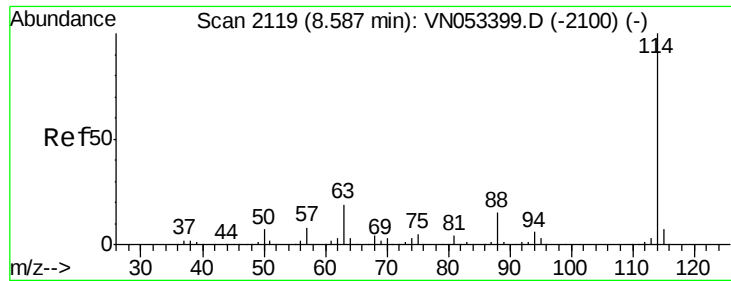
Tot Ion: 84 Resp: 45011  
Ion Ratio Lower Upper  
84 100  
49 117.5 94.3 141.5  
51 39.4 29.4 44.2  
86 60.9 51.4 77.0



#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN053421.D  
Acq: 16 Jan 2019 13:28

Tgt Ion: 65 Resp: 476724  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 111.2

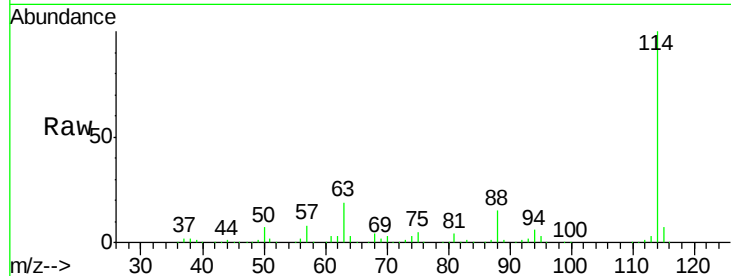




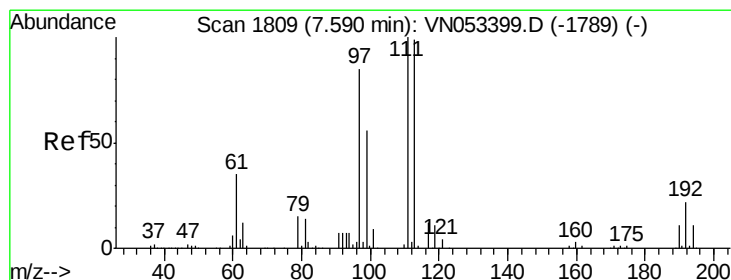
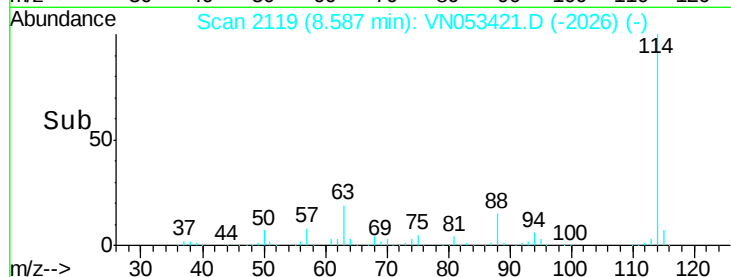
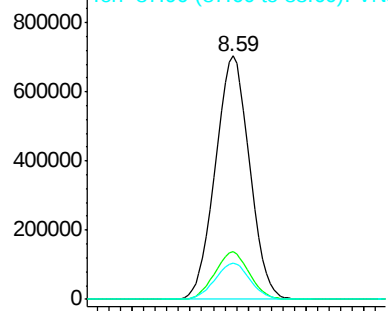
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN053421.D  
Acq: 16 Jan 2019 13:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116405ZHE#04

Tot Ion:114 Resp: 1449012  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 38.6  
88 14.9 0.0 30.4

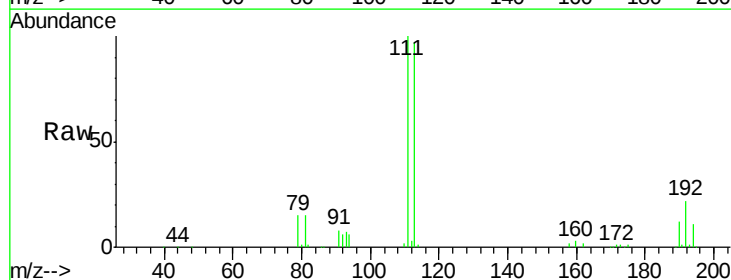


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

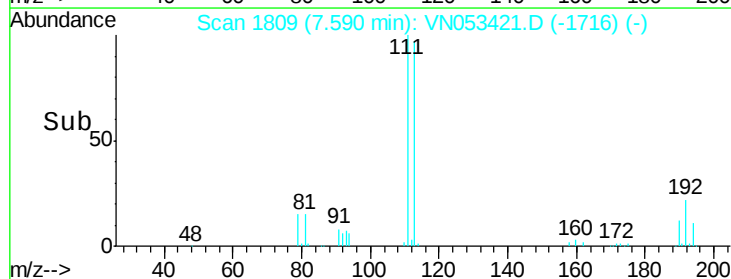
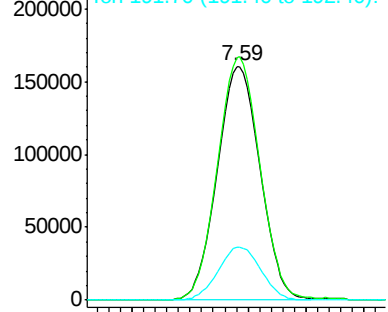


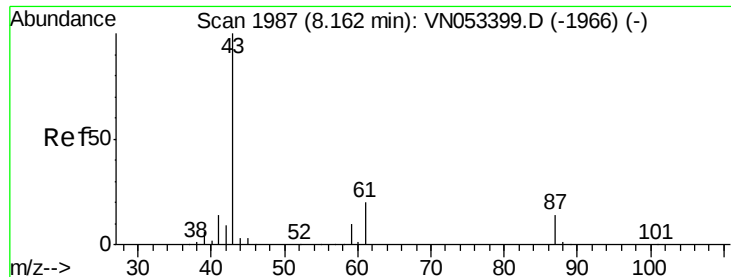
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN053421.D  
Acq: 16 Jan 2019 13:28

Tgt Ion:113 Resp: 412427  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.1 121.7  
192 22.7 18.2 27.2



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: 3.049 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053421.D

Acq: 16 Jan 2019 13:28

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#04

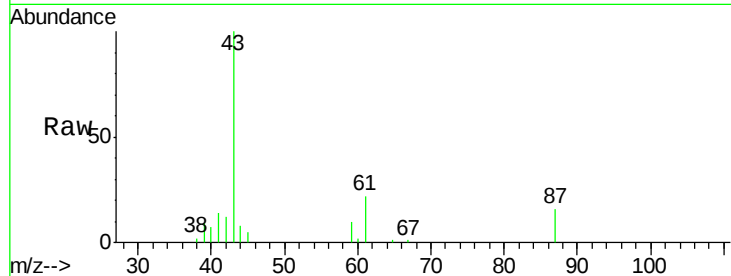
Tot Ion: 43 Resp: 41624

Ion Ratio Lower Upper

43 100

61 17.6 23.9 35.9#

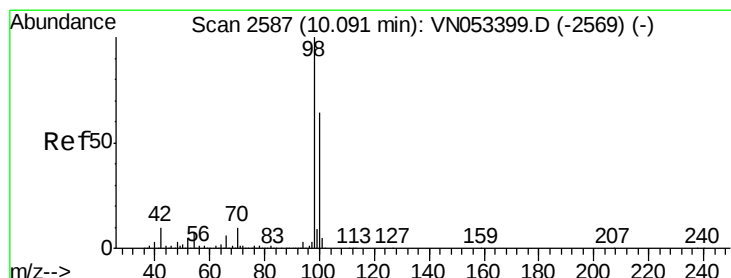
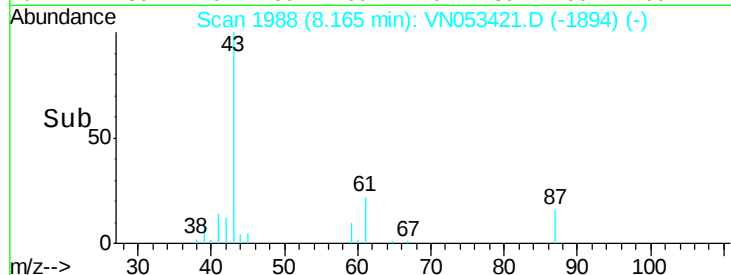
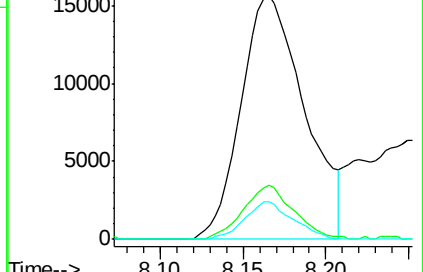
87 11.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053421.D

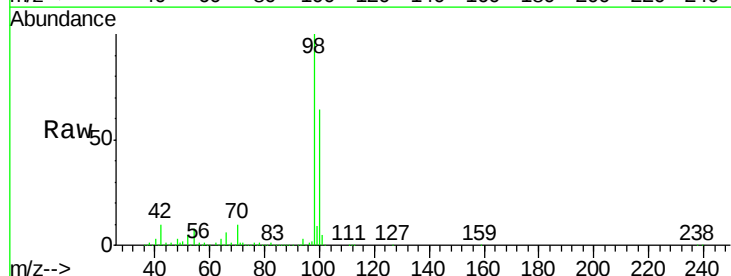
Acq: 16 Jan 2019 13:28

Tgt Ion: 98 Resp: 1832629

Ion Ratio Lower Upper

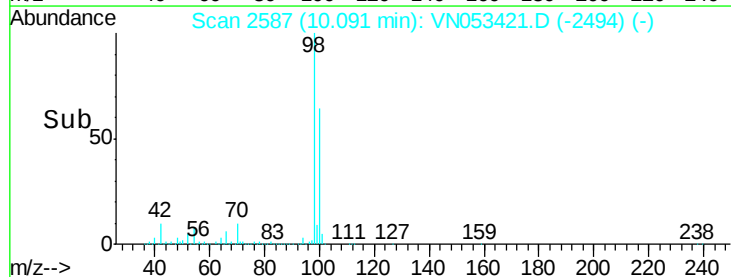
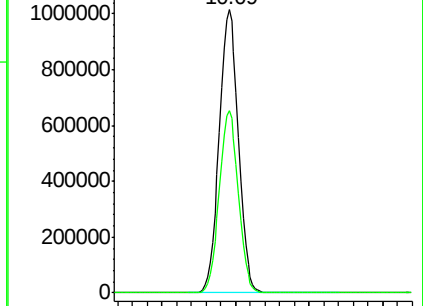
98 100

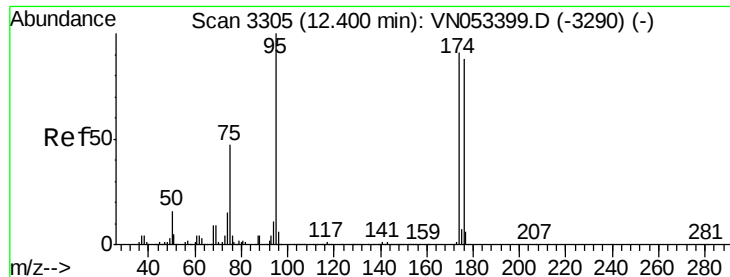
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053421.D

Acq: 16 Jan 2019 13:28

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#04

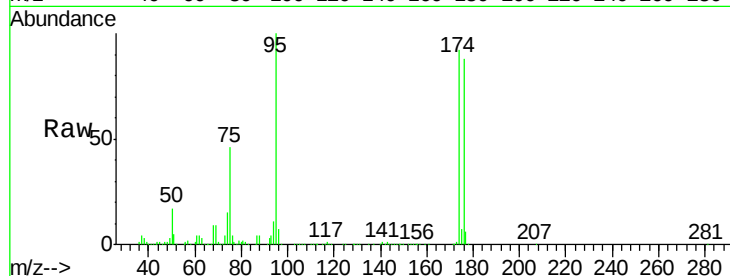
Tot Ion: 95 Resp: 649439

Ion Ratio Lower Upper

95 100

174 91.5 0.0 183.2

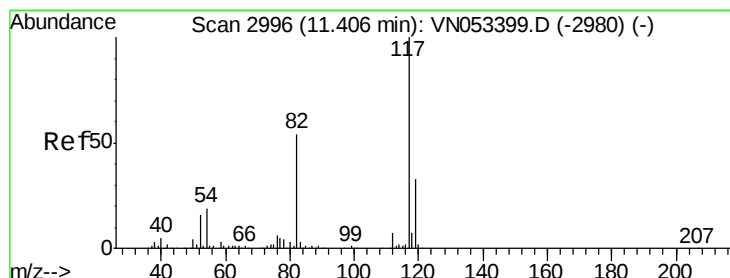
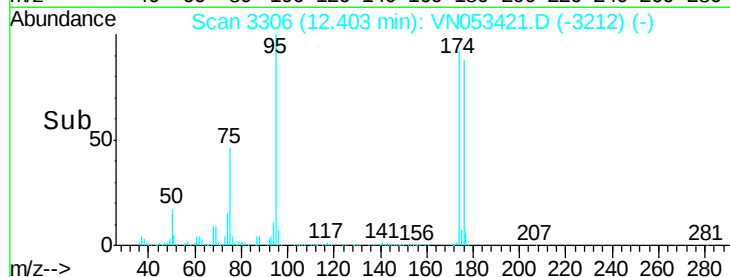
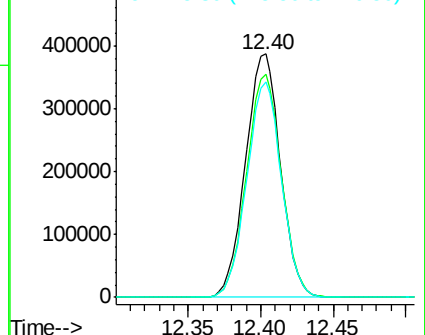
176 87.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053421.D

Acq: 16 Jan 2019 13:28

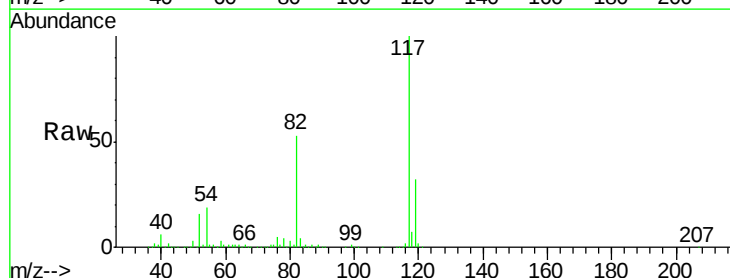
Tgt Ion: 117 Resp: 1413862

Ion Ratio Lower Upper

117 100

82 53.1 42.9 64.3

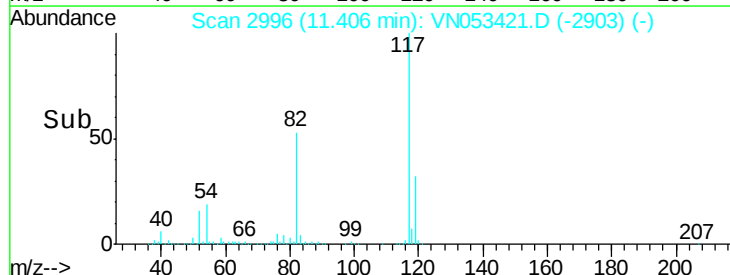
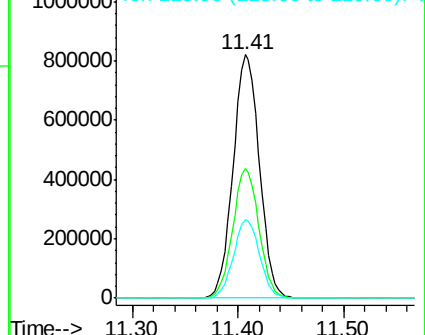
119 32.1 26.0 39.0

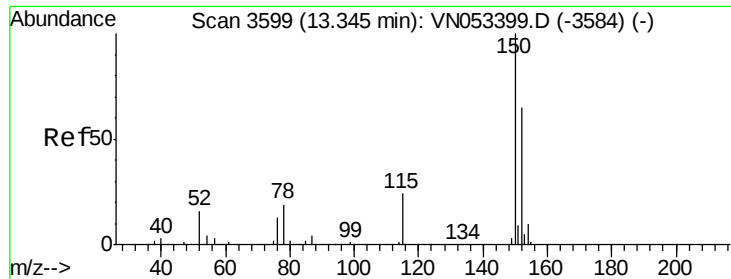


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053421.D

Acq: 16 Jan 2019 13:28

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#04

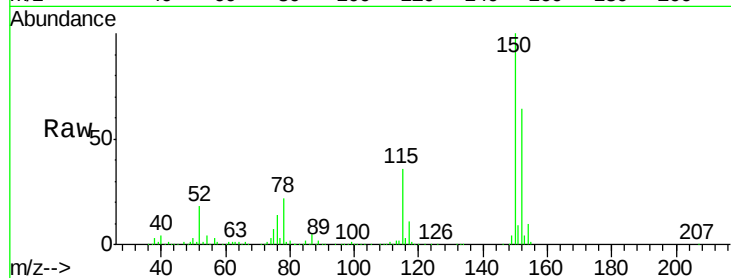
Tot Ion:152 Resp: 624411

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.4

150 157.5 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

