

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\  
 Data File : VN053419.D  
 Acq On : 16 Jan 2019 12:34  
 Operator : JC/SP  
 Sample : PB116405ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116405ZHE#02

Quant Time: Jan 17 04:13:42 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

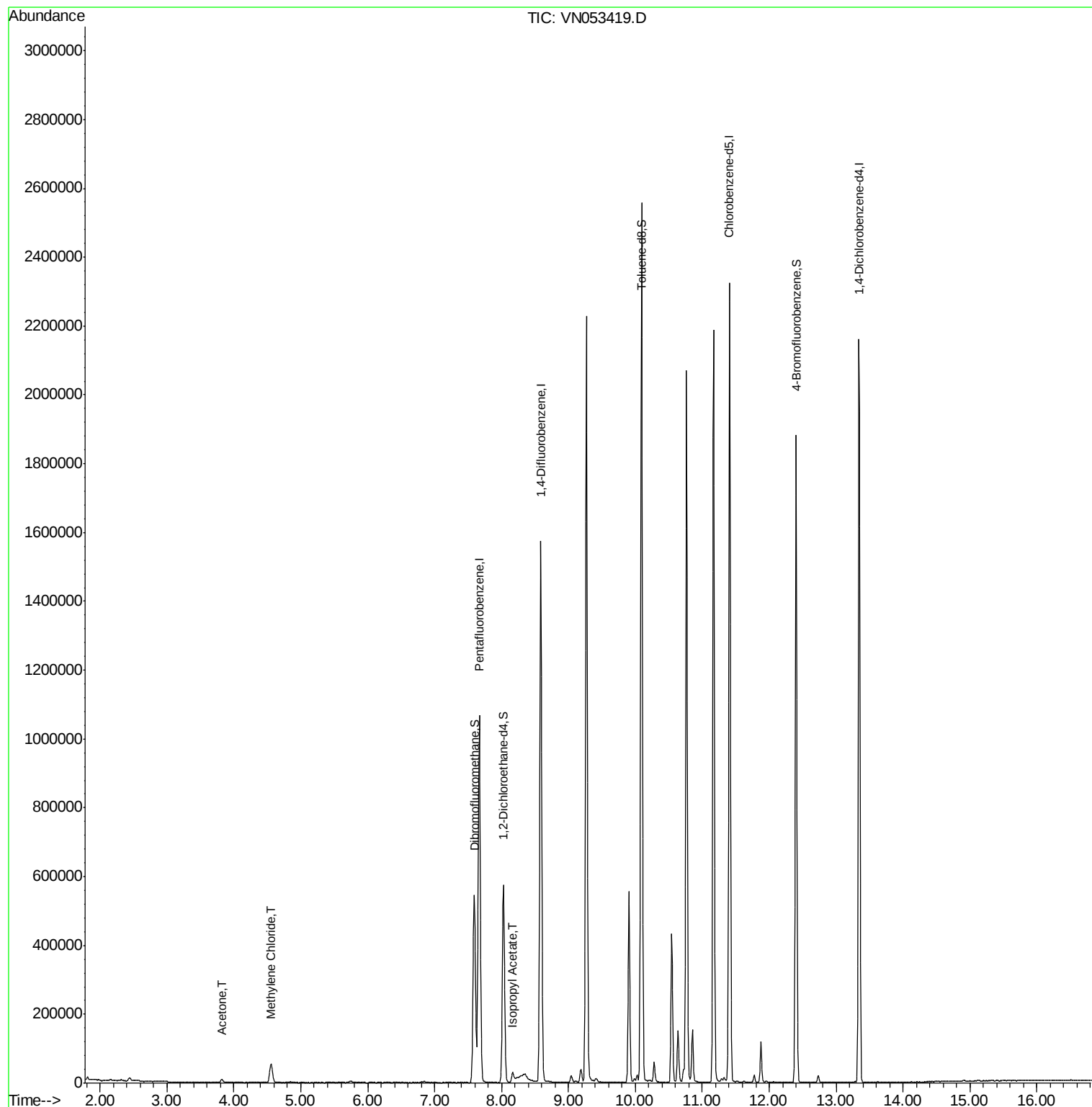
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 942887   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1466170  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1406919  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 614868   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 472358   | 50.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.38% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 421236   | 50.34 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.68% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1853410  | 52.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.74% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 641594   | 51.70 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.40% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 17160    | 7.848 | ug/l    | 94       |
| 20) Methylene Chloride      | 4.56  | 84   | 42481    | 4.255 | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 38996    | 2.823 | ug/l #  | 85       |

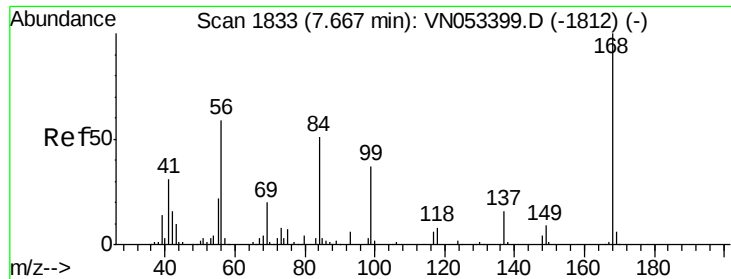
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011619\  
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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: VN053419.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

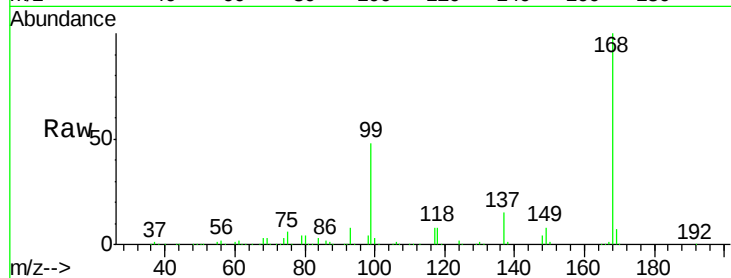
PB116405ZHE#02

Tot Ion:168 Resp: 942887

Ion Ratio Lower Upper

168 100

99 48.3 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

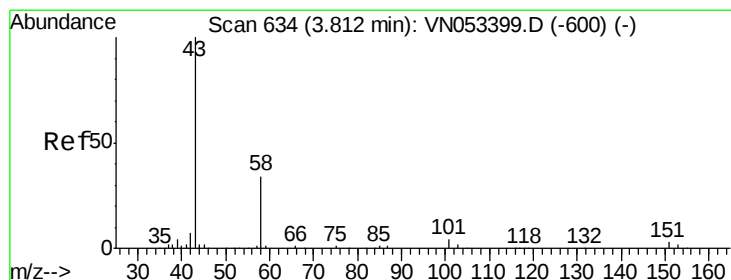
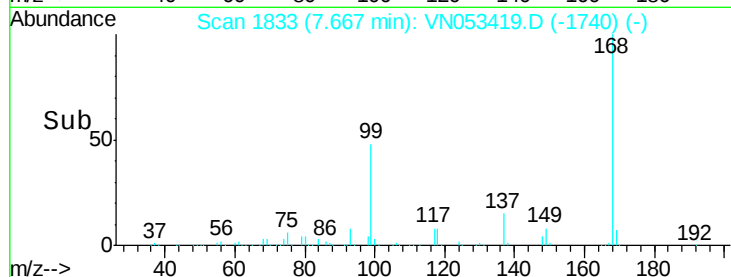
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 7.848 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053419.D

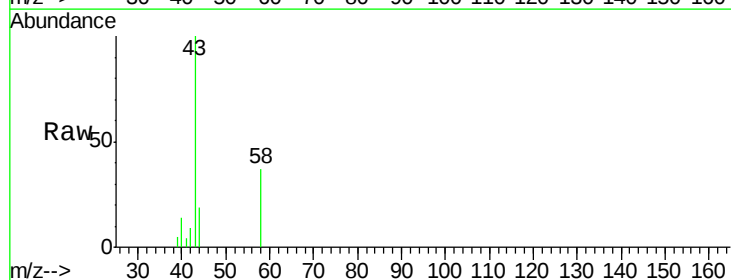
Acq: 16 Jan 2019 12:34

Tgt Ion: 43 Resp: 17160

Ion Ratio Lower Upper

43 100

58 37.3 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

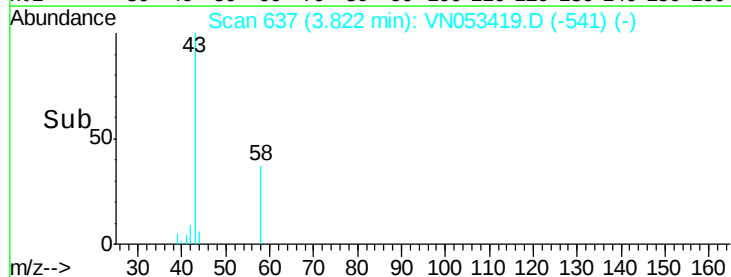
6000

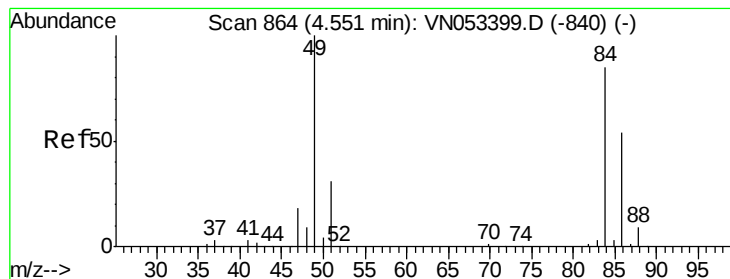
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 4.255 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.01 min

Lab File: VN053419.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#02

Tot Ion: 84 Resp: 42481

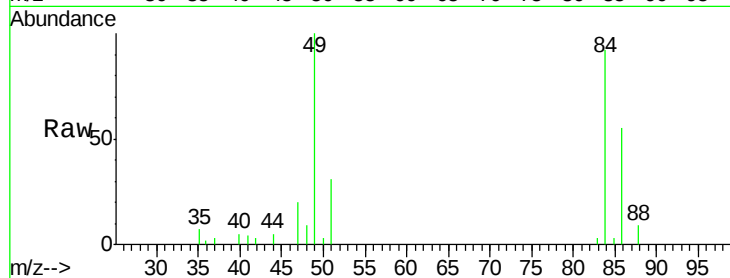
Ion Ratio Lower Upper

84 100

49 108.3 94.3 141.5

51 34.0 29.4 44.2

86 59.9 51.4 77.0

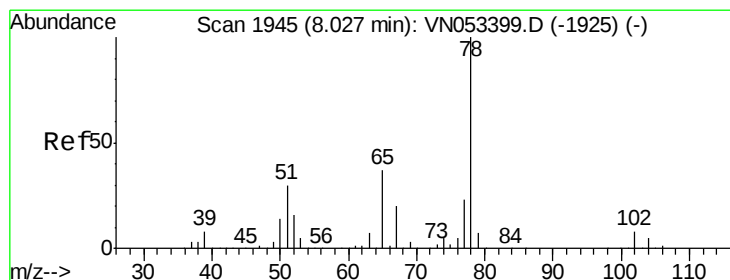
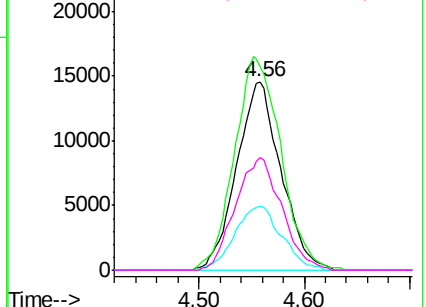
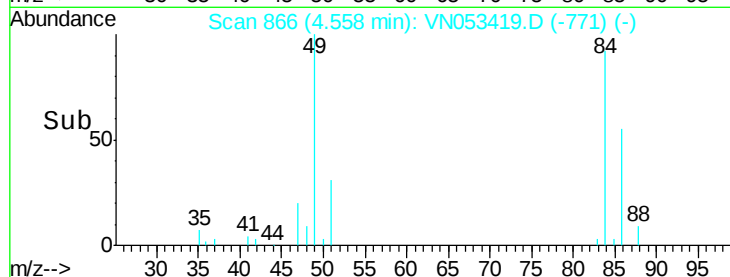


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053419.D

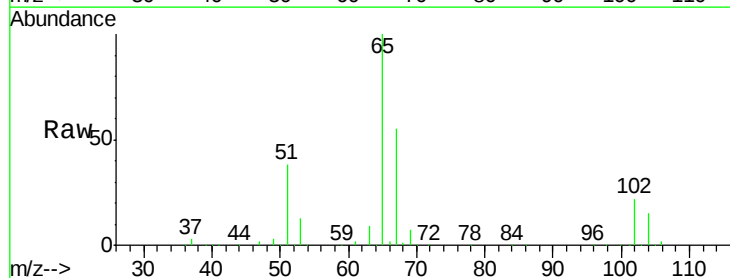
Acq: 16 Jan 2019 12:34

Tgt Ion: 65 Resp: 472358

Ion Ratio Lower Upper

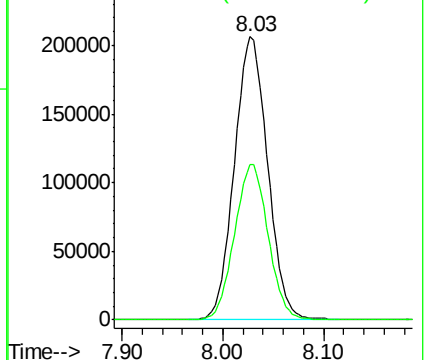
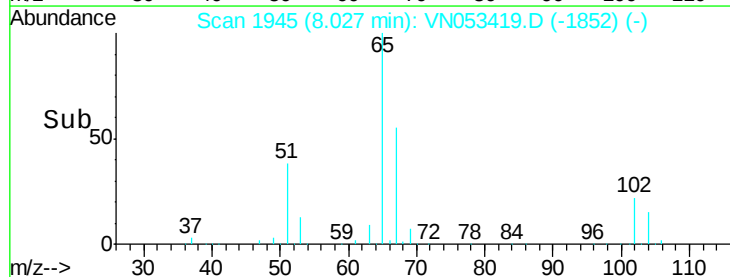
65 100

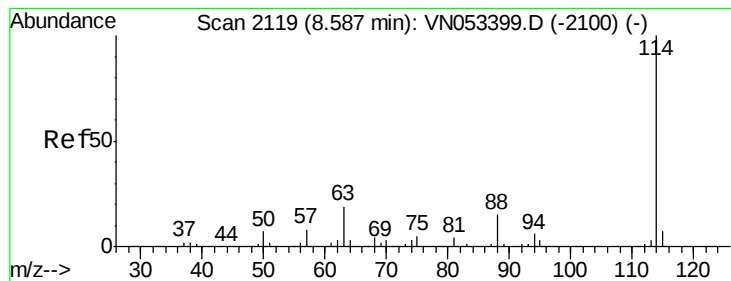
67 55.5 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053419.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#02

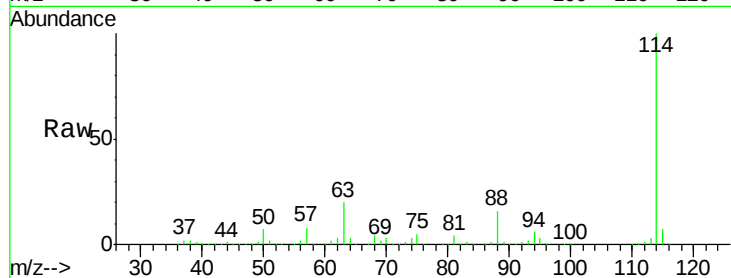
Tot Ion:114 Resp: 1466170

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

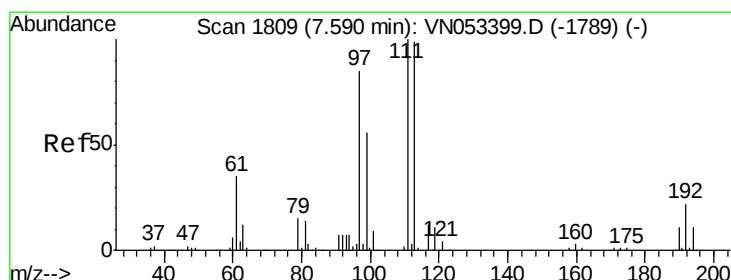
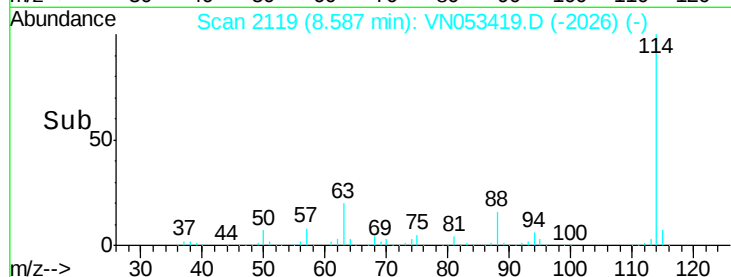
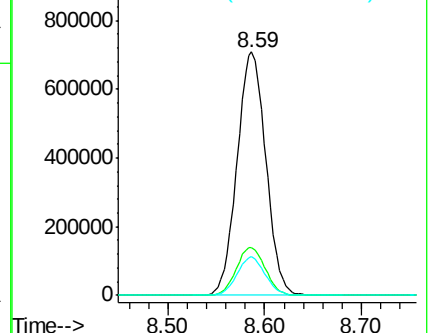
88 15.8 0.0 30.4



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: VN053419.D

Acq: 16 Jan 2019 12:34

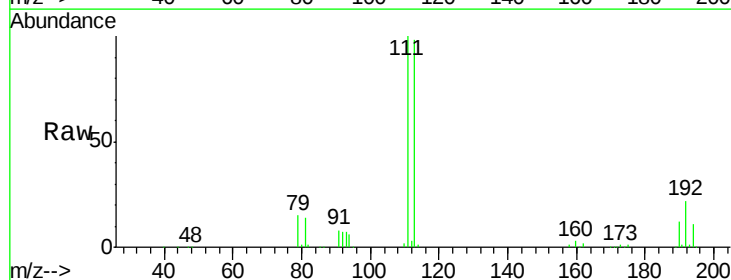
Tgt Ion:113 Resp: 421236

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

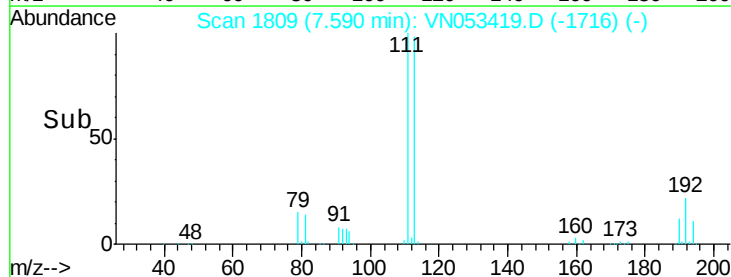
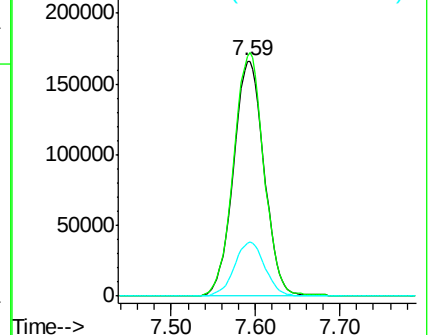
192 22.9 18.2 27.2

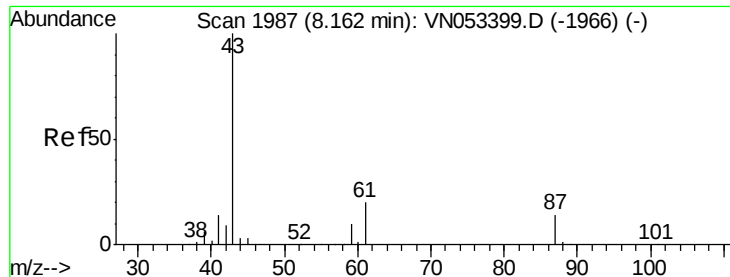


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.823 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053419.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#02

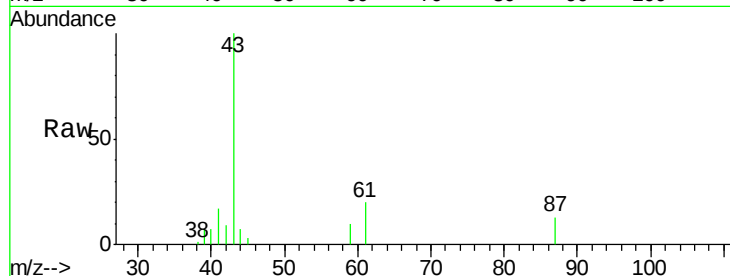
Tot Ion: 43 Resp: 38996

Ion Ratio Lower Upper

43 100

61 19.4 23.9 35.9#

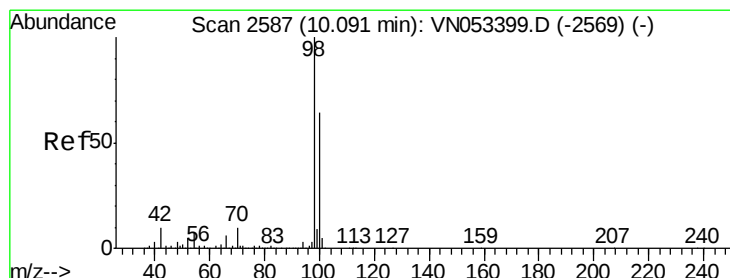
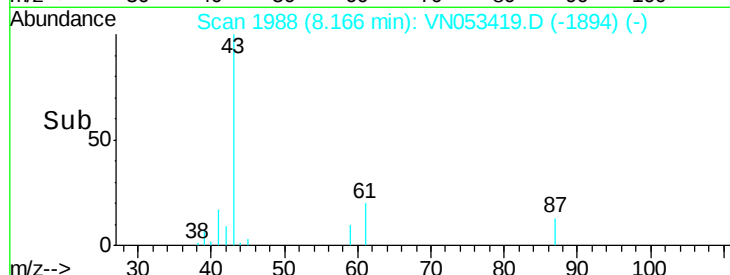
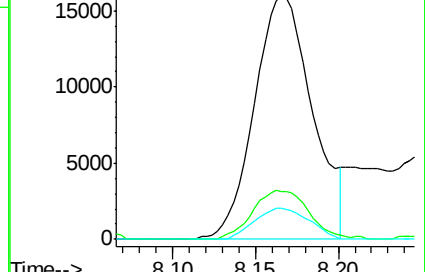
87 12.0 11.0 16.6



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: VN053419.D

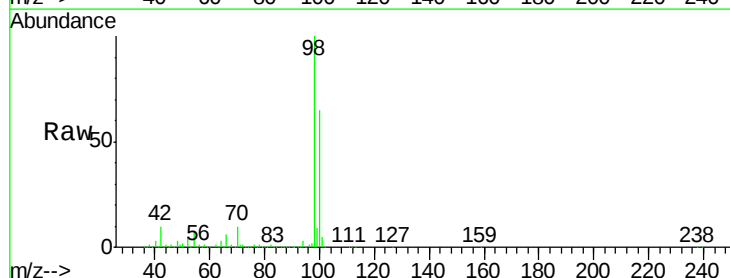
Acq: 16 Jan 2019 12:34

Tgt Ion: 98 Resp: 1853410

Ion Ratio Lower Upper

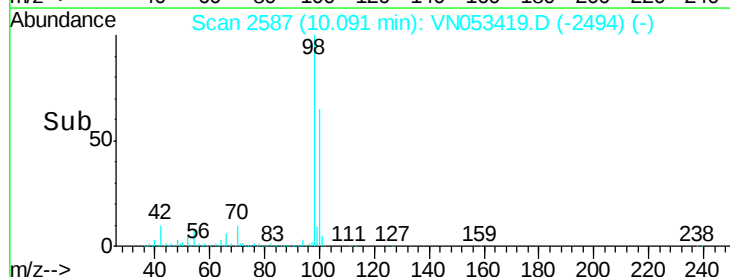
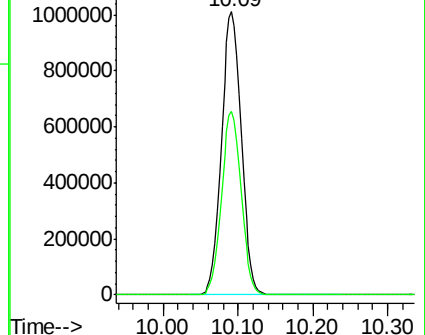
98 100

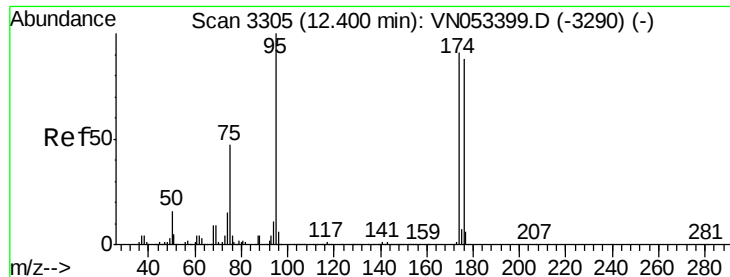
100 64.2 51.4 77.0



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: VN053419.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#02

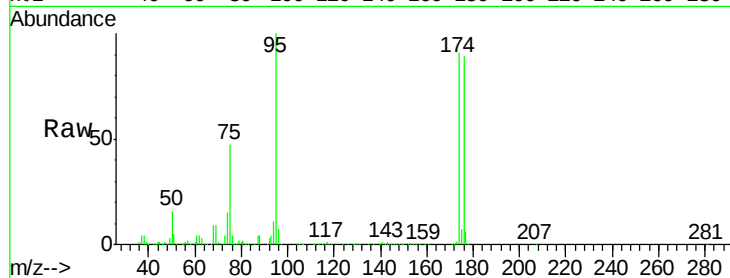
Tot Ion: 95 Resp: 641594

Ion Ratio Lower Upper

95 100

174 90.8 0.0 183.2

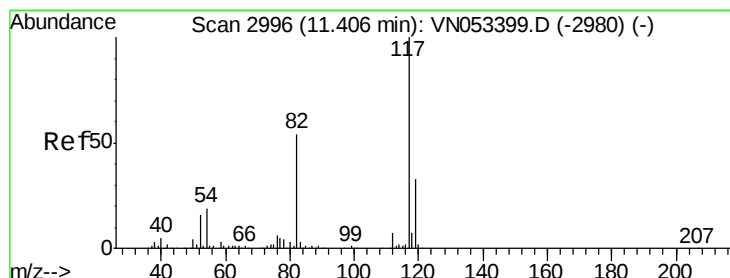
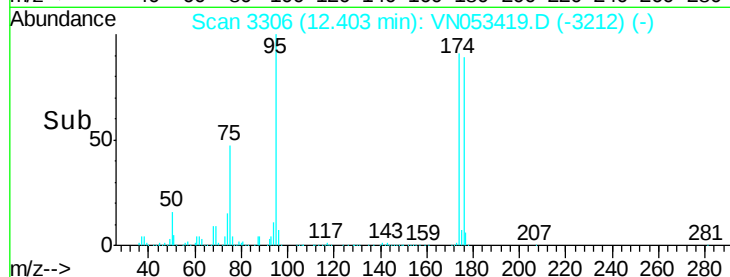
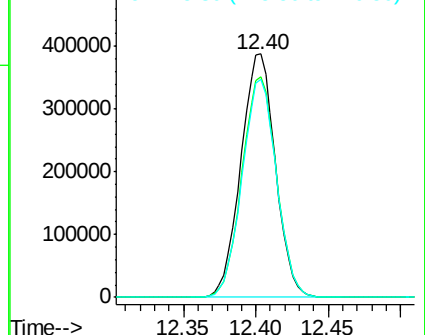
176 89.4 0.0 177.4



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: VN053419.D

Acq: 16 Jan 2019 12:34

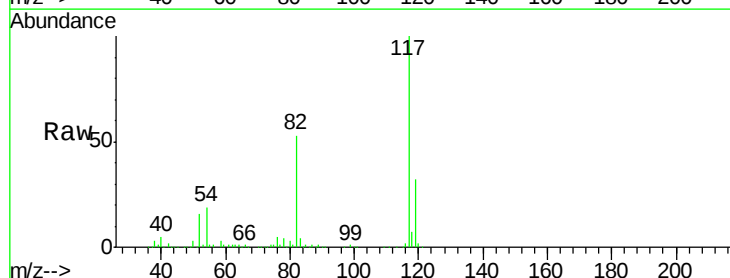
Tgt Ion: 117 Resp: 1406919

Ion Ratio Lower Upper

117 100

82 53.2 42.9 64.3

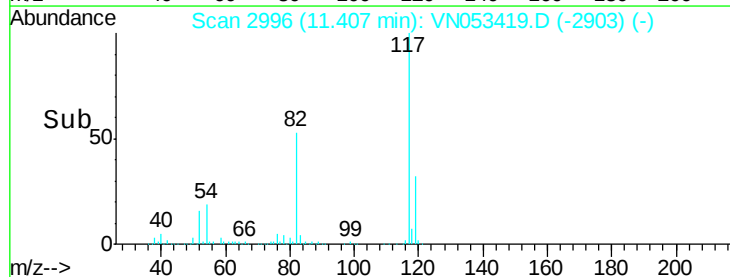
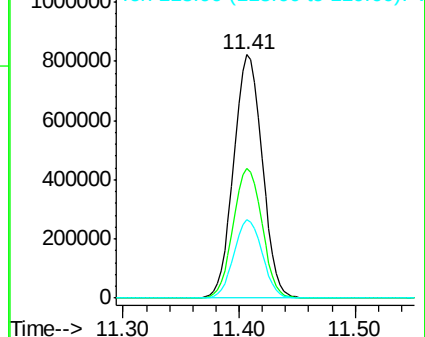
119 32.1 26.0 39.0

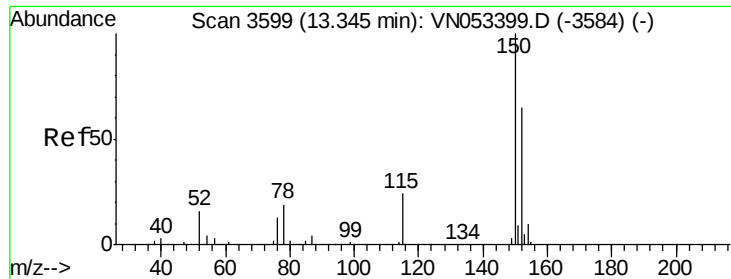


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

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: VN053419.D

Acq: 16 Jan 2019 12:34

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#02

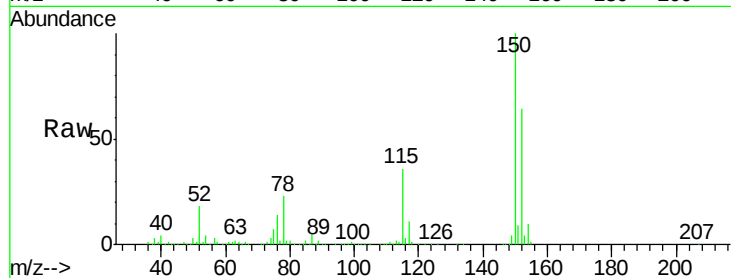
Tot Ion:152 Resp: 614868

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.4

150 156.4 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

