

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\  
 Data File : VN053426.D  
 Acq On : 16 Jan 2019 15:41  
 Operator : JC/SP  
 Sample : PB116405ZHE#09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116405ZHE#09

Quant Time: Jan 17 04:26:54 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

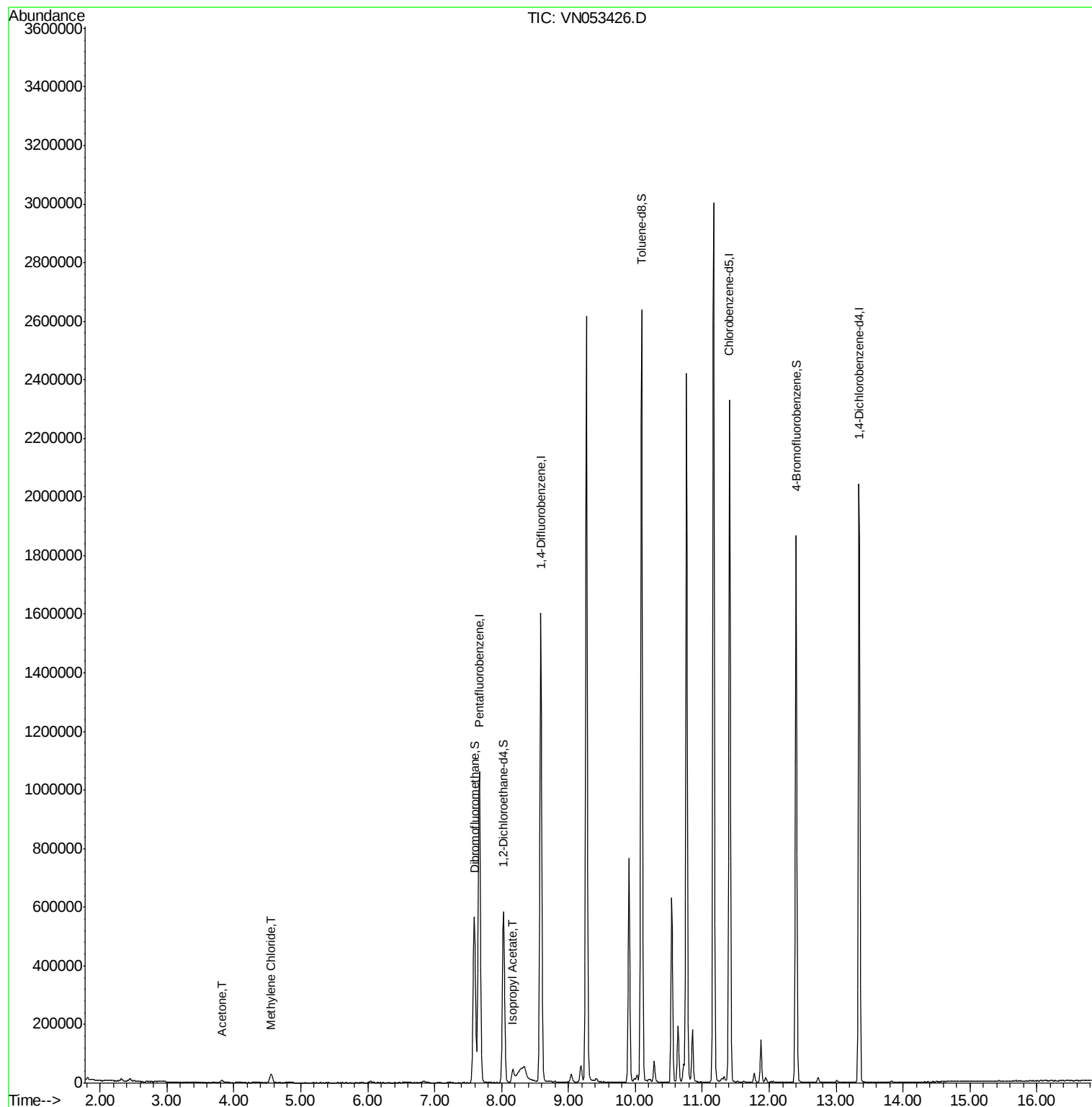
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 945572   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1490026  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1424480  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 586283   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 487001   | 52.11 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.22% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 434830   | 51.13 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.26% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1874211  | 52.11 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.22% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 634247   | 50.29 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.58% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 13746    | 6.269 | ug/l    | 100      |
| 20) Methylene Chloride      | 4.55  | 84   | 22750    | 2.272 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 60105    | 4.282 | ug/l #  | 82       |

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

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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: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

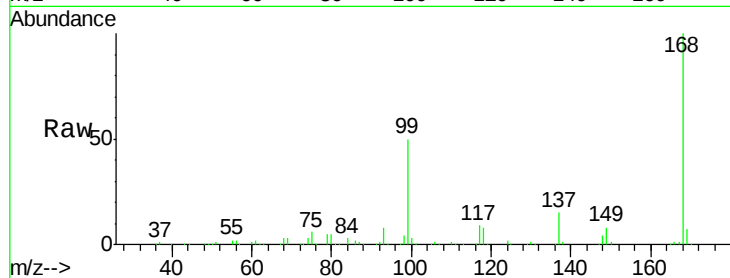
PB116405ZHE#09

Tot Ion:168 Resp: 945572

Ion Ratio Lower Upper

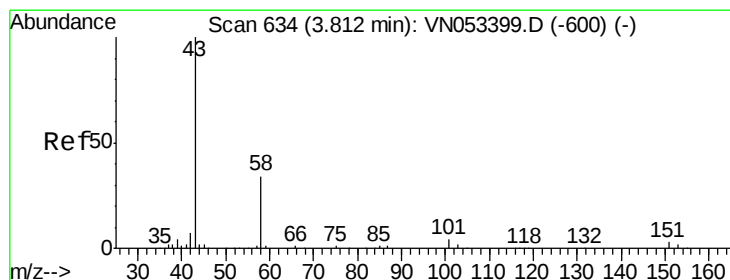
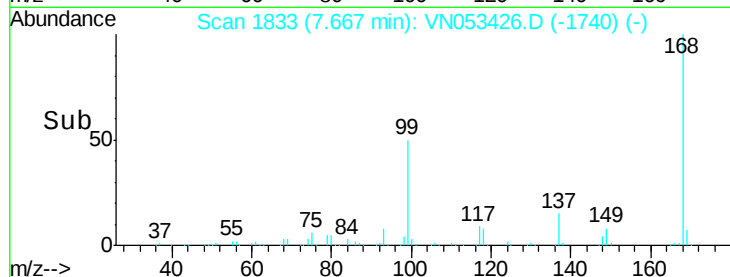
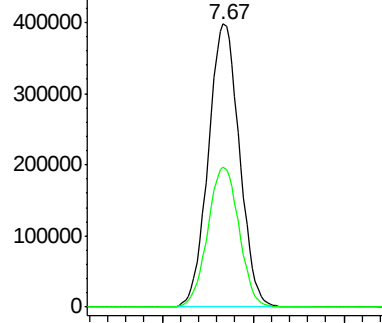
168 100

99 49.6 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: 6.269 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053426.D

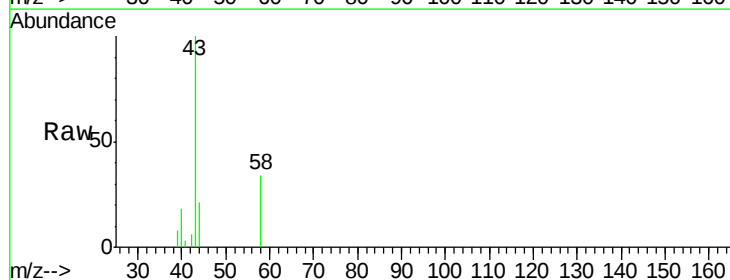
Acq: 16 Jan 2019 15:41

Tgt Ion: 43 Resp: 13746

Ion Ratio Lower Upper

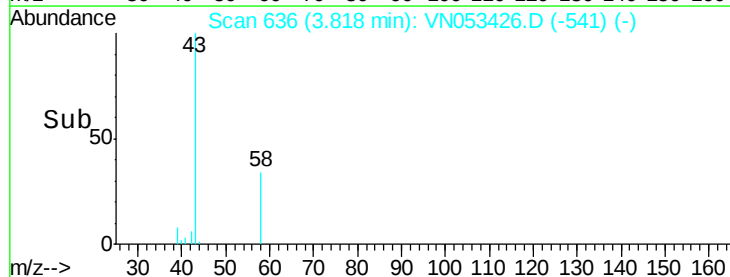
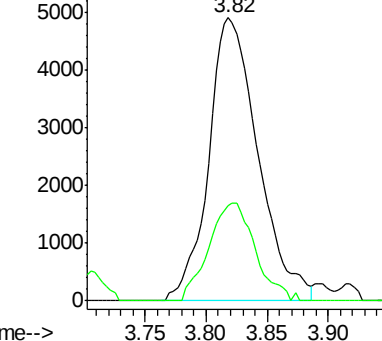
43 100

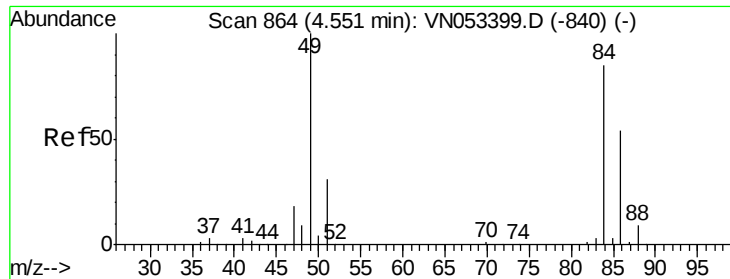
58 33.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

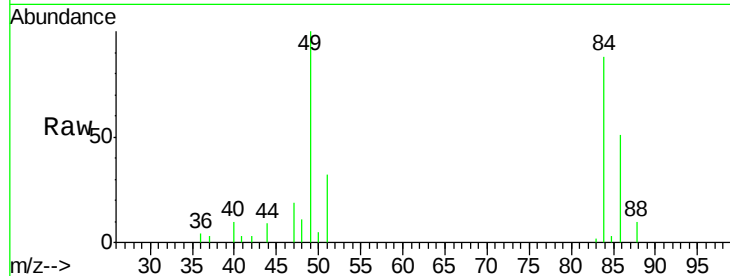




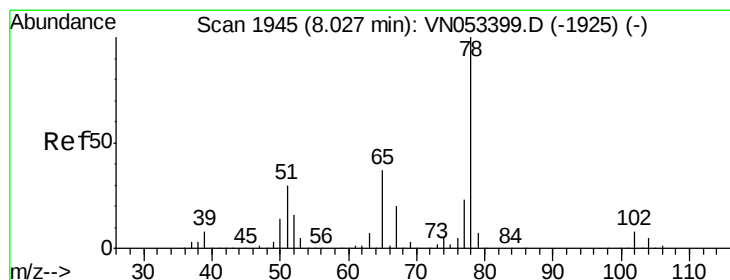
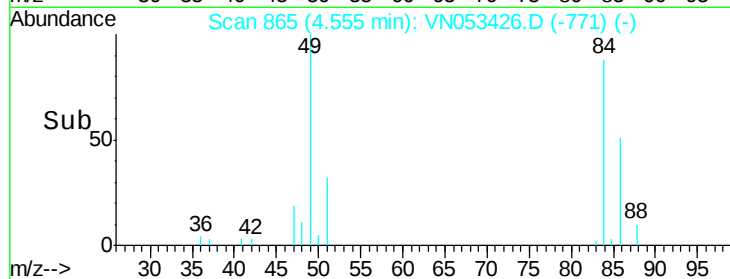
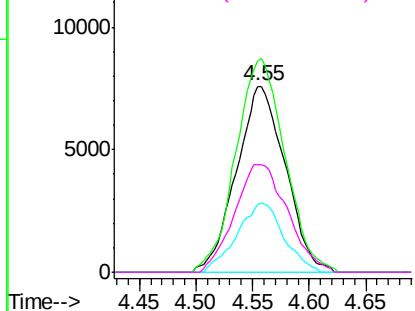
#20  
Methylene Chloride  
Concen: 2.272 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053426.D  
Acq: 16 Jan 2019 15:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB116405ZHE#09

Tot Ion: 84 Resp: 22750  
Ion Ratio Lower Upper  
84 100  
49 113.3 94.3 141.5  
51 36.4 29.4 44.2  
86 58.0 51.4 77.0

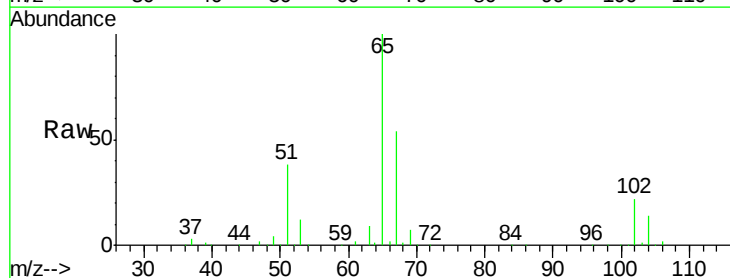


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

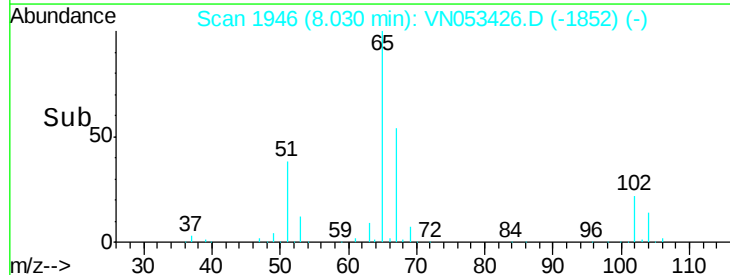
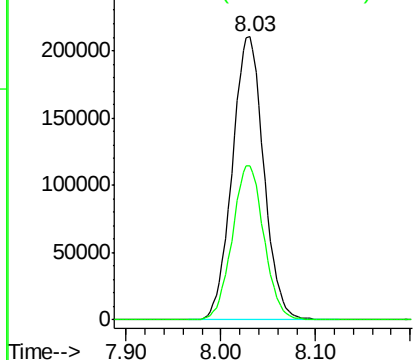


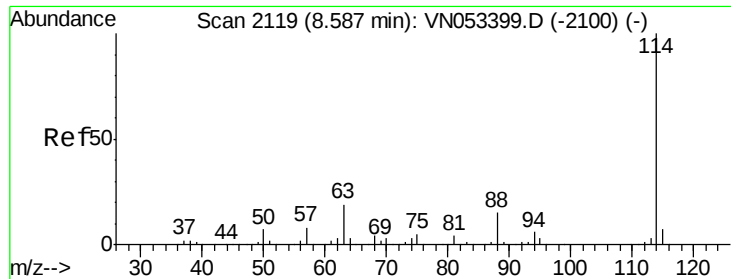
#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN053426.D  
Acq: 16 Jan 2019 15:41

Tgt Ion: 65 Resp: 487001  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

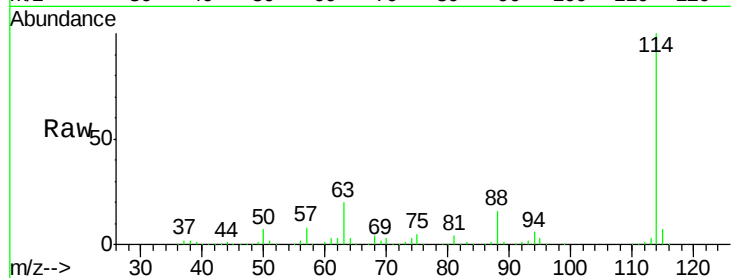




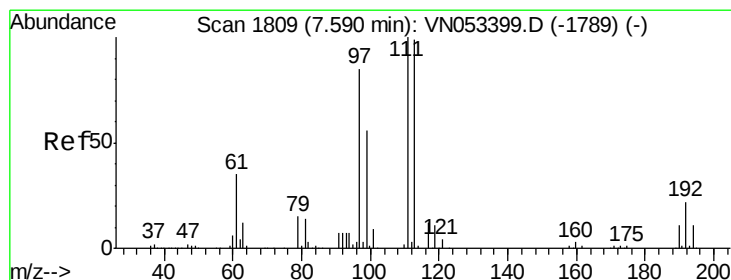
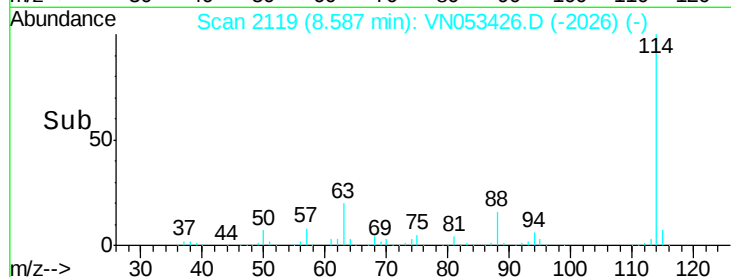
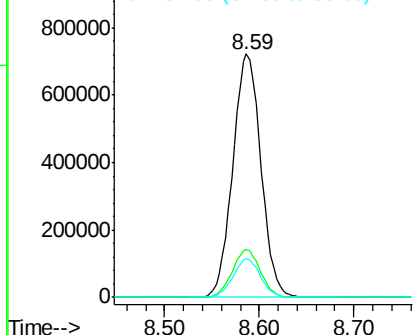
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053426.D  
 Acq: 16 Jan 2019 15:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB116405ZHE#09

Tot Ion:114 Resp: 1490026  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 38.6  
 88 15.8 0.0 30.4

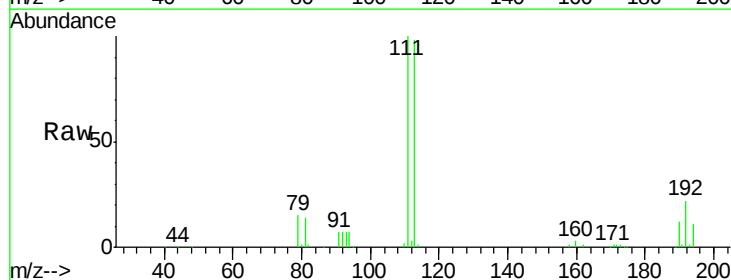


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

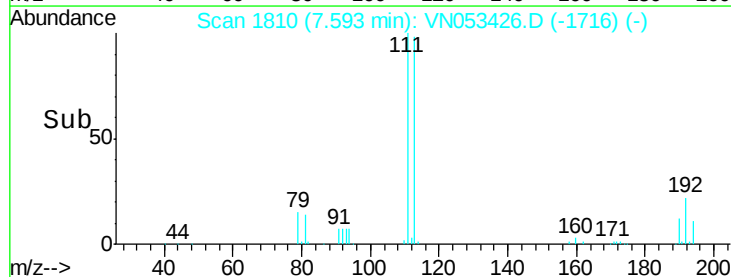
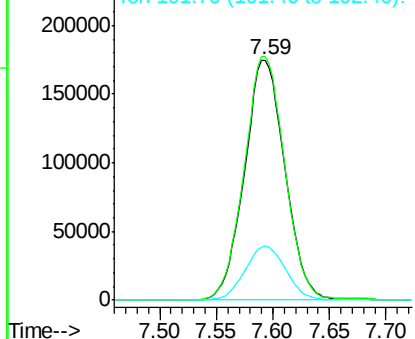


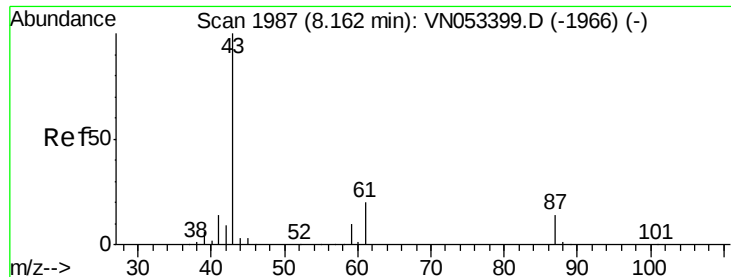
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053426.D  
 Acq: 16 Jan 2019 15:41

Tgt Ion:113 Resp: 434830  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 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: 4.282 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#09

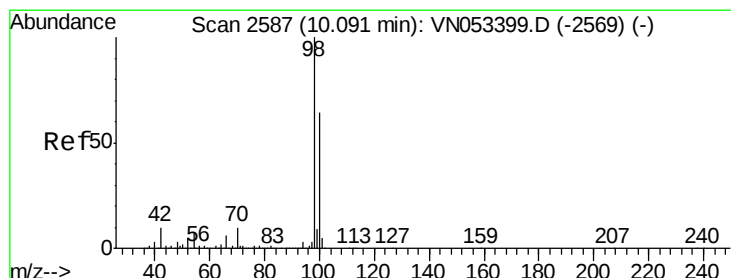
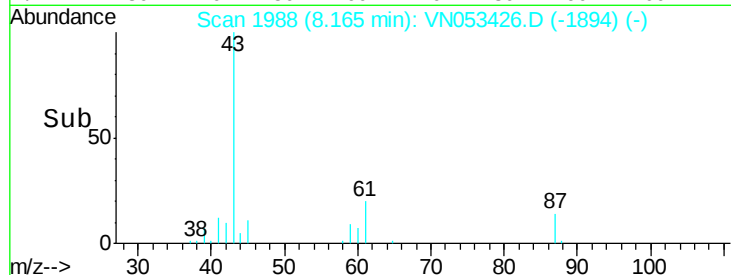
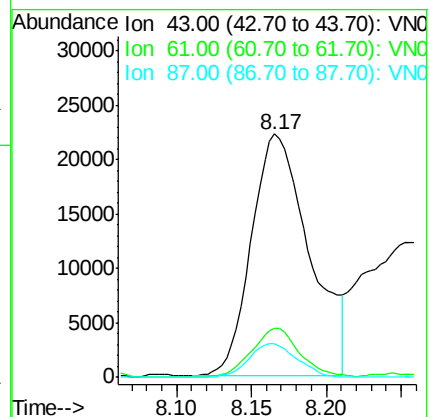
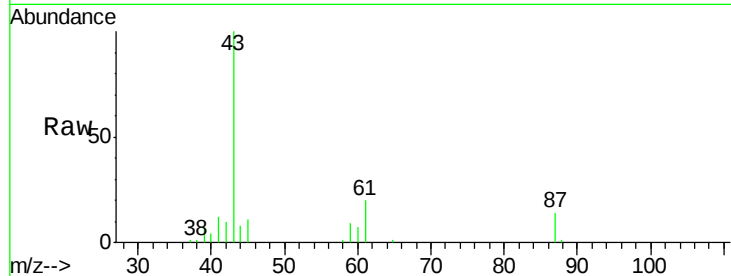
Tot Ion: 43 Resp: 60105

Ion Ratio Lower Upper

43 100

61 16.8 23.9 35.9#

87 11.5 11.0 16.6



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053426.D

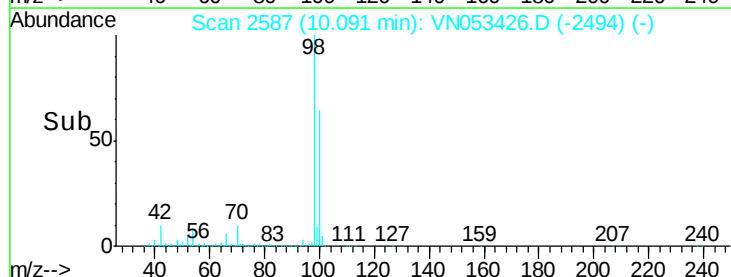
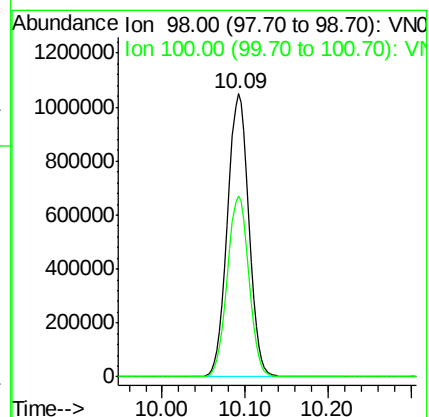
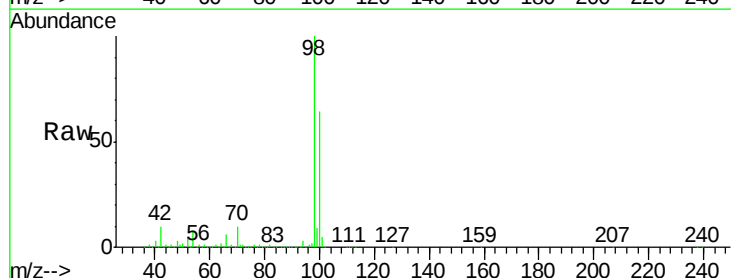
Acq: 16 Jan 2019 15:41

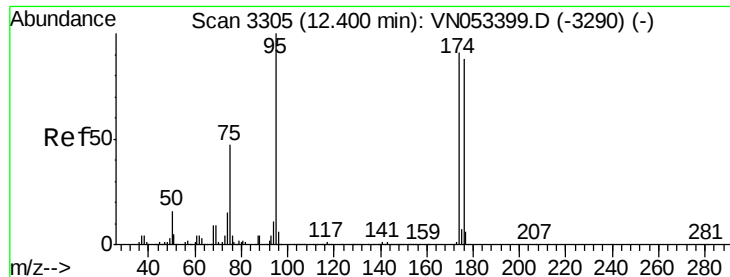
Tgt Ion: 98 Resp: 1874211

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#09

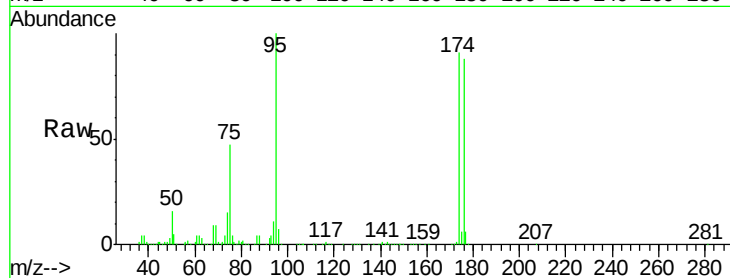
Tot Ion: 95 Resp: 634247

Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.2

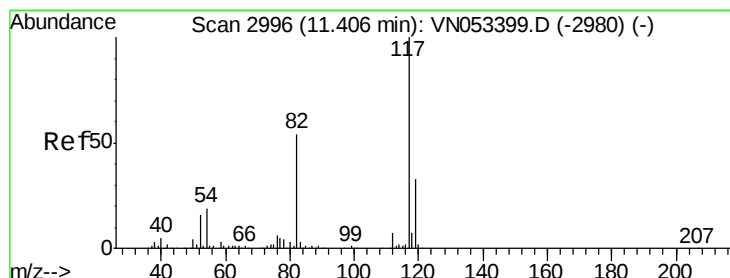
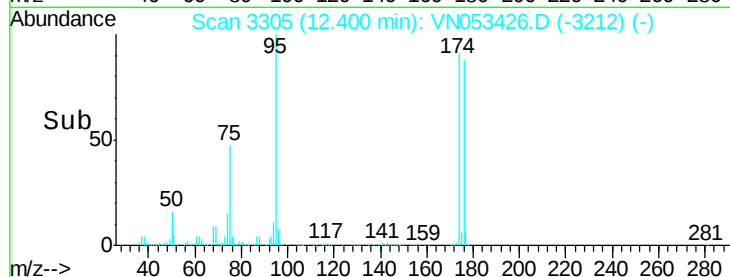
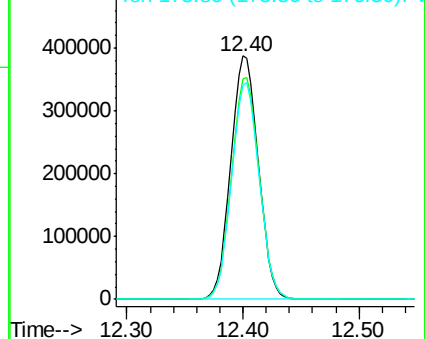
176 89.0 0.0 177.4



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: VN053426.D

Acq: 16 Jan 2019 15:41

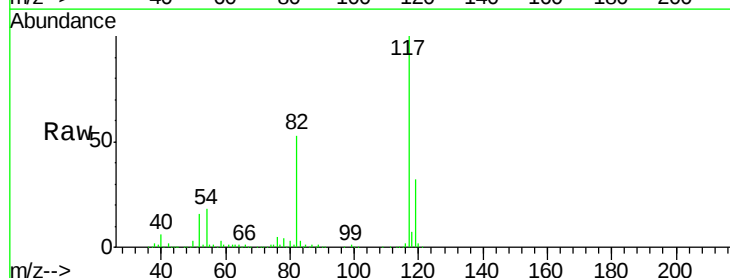
Tgt Ion: 117 Resp: 1424480

Ion Ratio Lower Upper

117 100

82 53.0 42.9 64.3

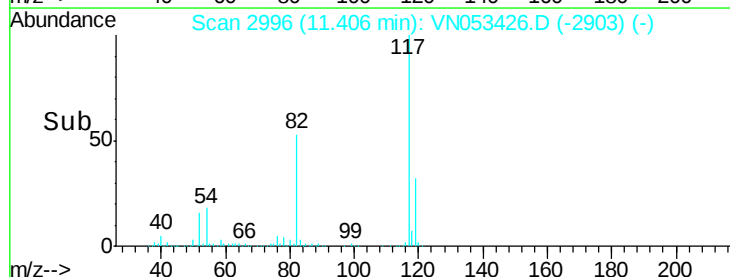
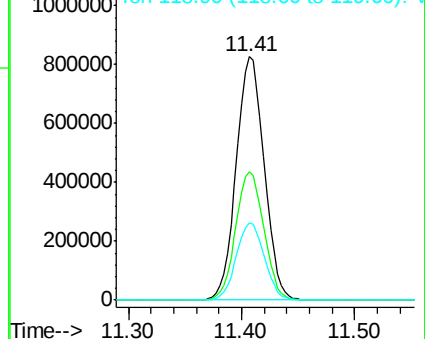
119 31.8 26.0 39.0

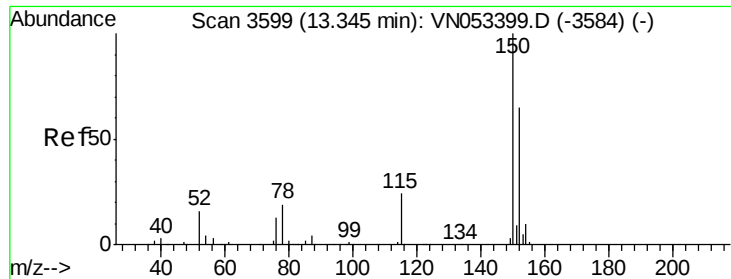


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

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: VN053426.D

Acq: 16 Jan 2019 15:41

Instrument :

MSVOA\_N

ClientSampleId :

PB116405ZHE#09

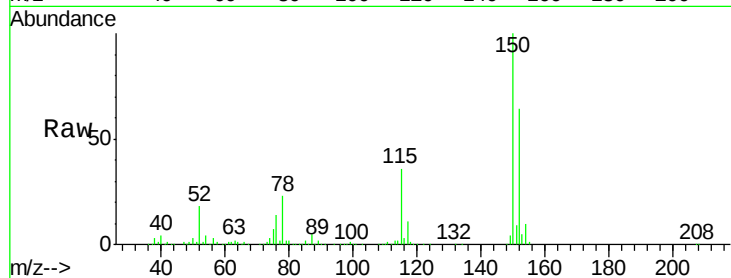
Tot Ion:152 Resp: 586283

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

150 156.5 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

