

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051988.D
 Acq On : 24 Oct 2018 15:20
 Operator : MD\SY
 Sample : PB114120ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114120ZHE#04

Quant Time: Oct 25 02:10:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

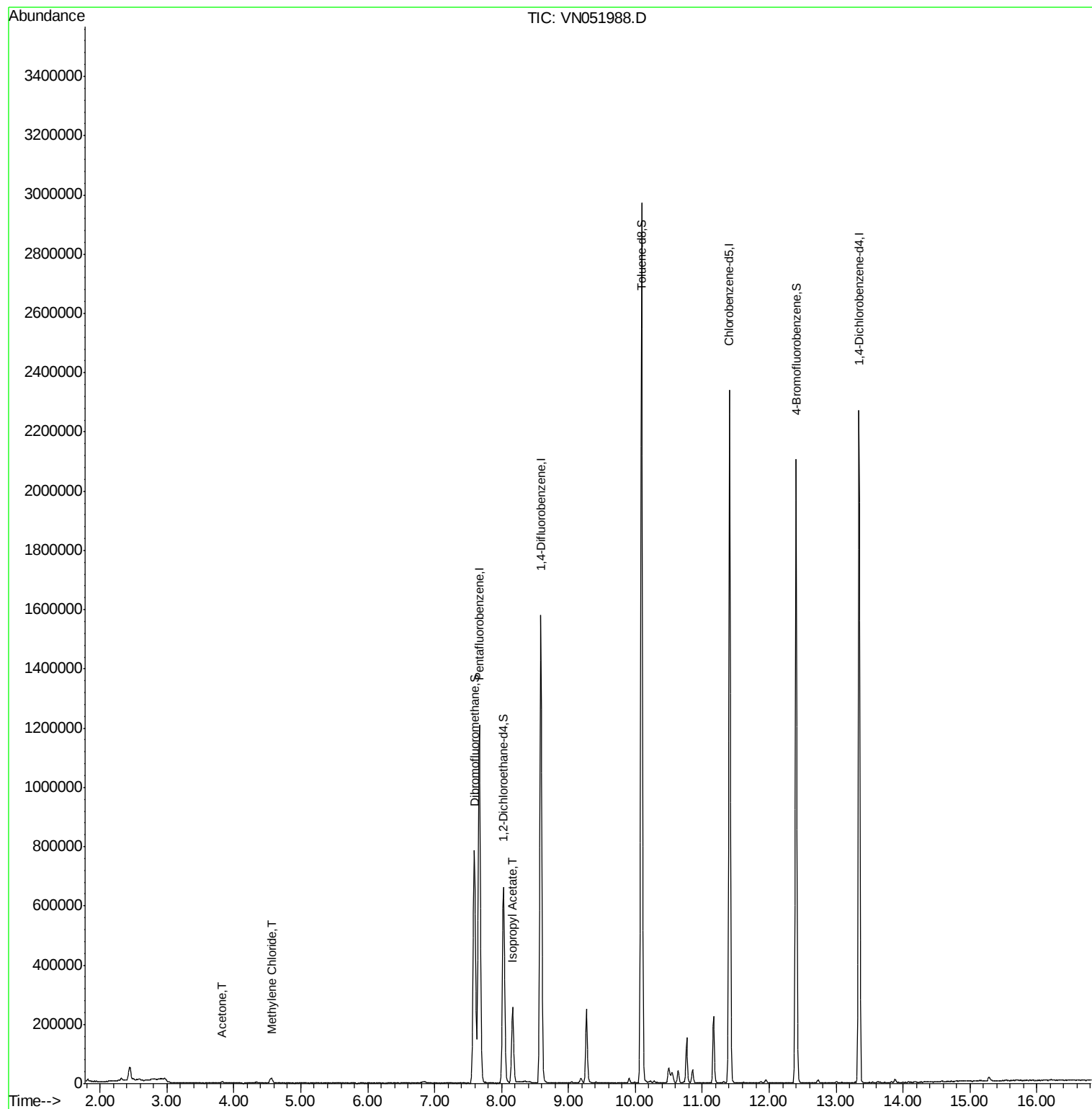
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1084913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1577853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1460436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	642371	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	568253	58.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.62%	
35) Dibromofluoromethane	7.59	113	589827	58.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.16%	
50) Toluene-d8	10.09	98	2161242	59.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.80%	
62) 4-Bromofluorobenzene	12.40	95	665857	53.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.48%	
Target Compounds						
16) Acetone	3.82	43	7563	4.751	ug/l	93
20) Methylene Chloride	4.56	84	14166	1.517	ug/l	94
43) Isopropyl Acetate	8.17	43	280955	27.717	ug/l	99

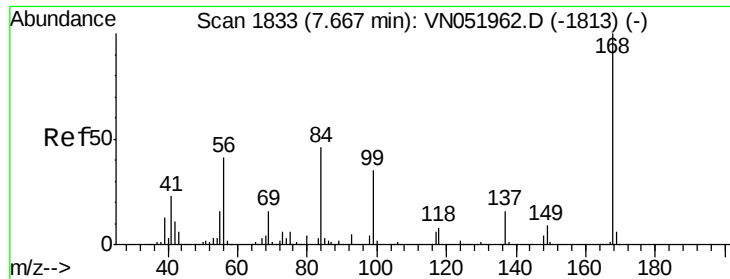
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051988.D

Acq: 24 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

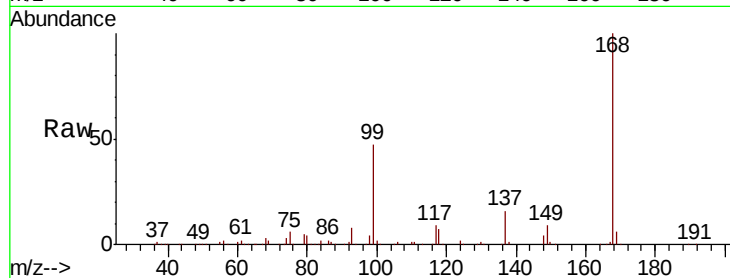
PB114120ZHE#04

Tot Ion:168 Resp: 1084913

Ion Ratio Lower Upper

168 100

99 47.4 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

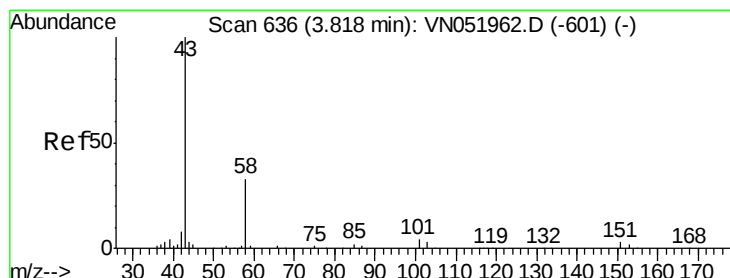
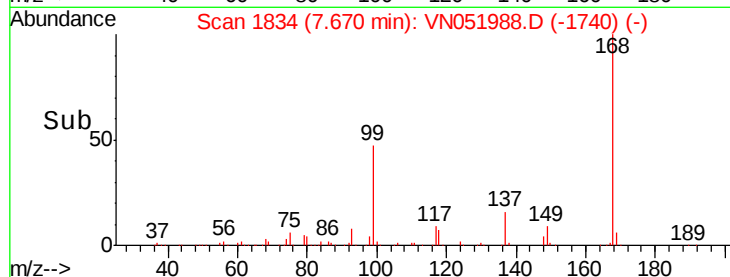
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.751 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051988.D

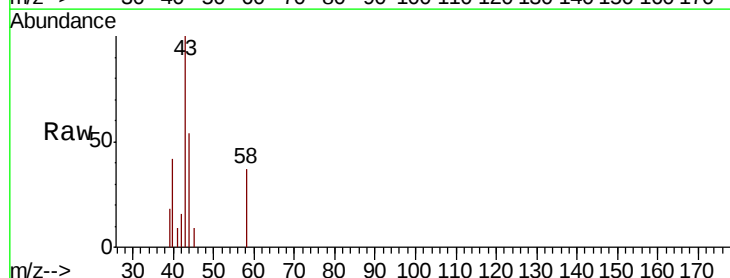
Acq: 24 Oct 2018 15:20

Tgt Ion: 43 Resp: 7563

Ion Ratio Lower Upper

43 100

58 37.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)

3.82

2500

2000

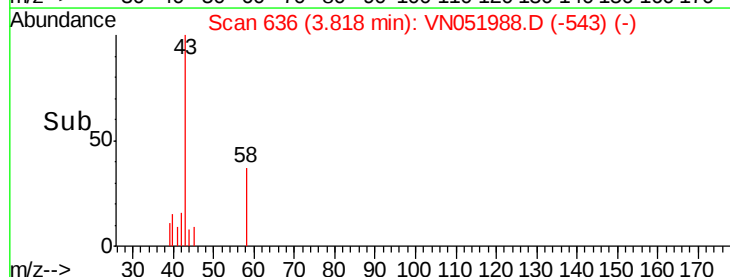
1500

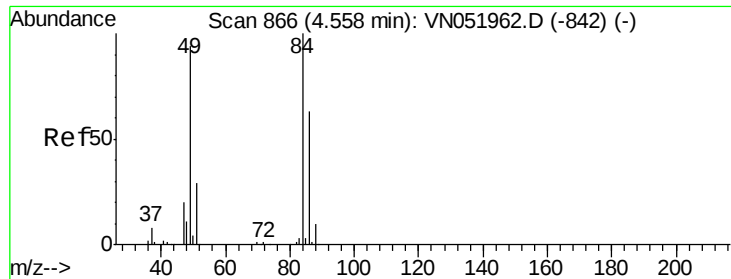
1000

500

0

Time-->

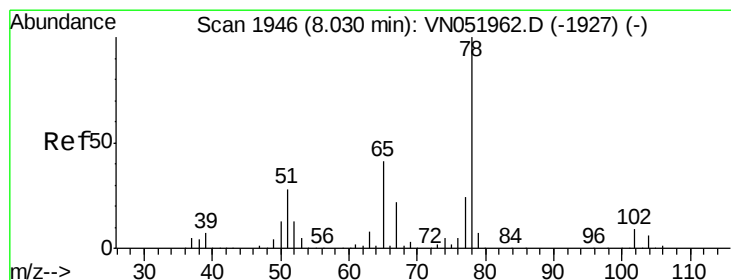
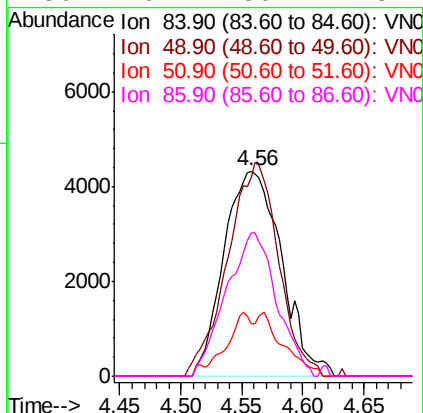
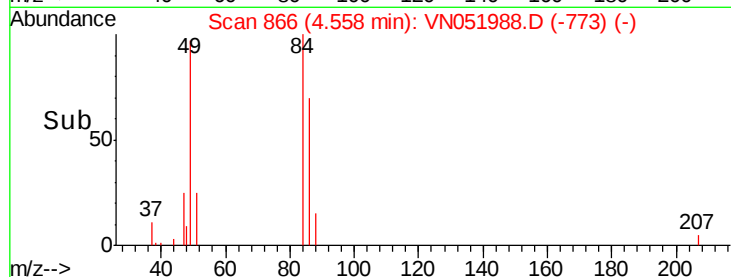
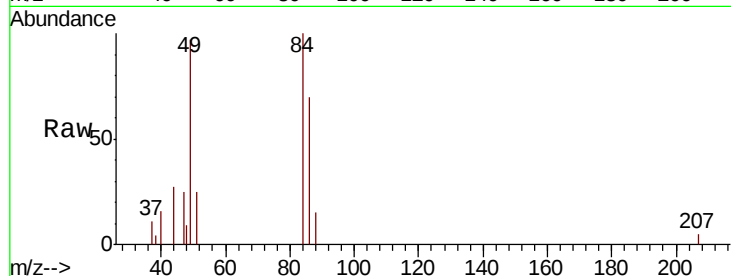




#20
Methvlene Chloride
Concen: 1.517 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051988.D
Acq: 24 Oct 2018 15:20

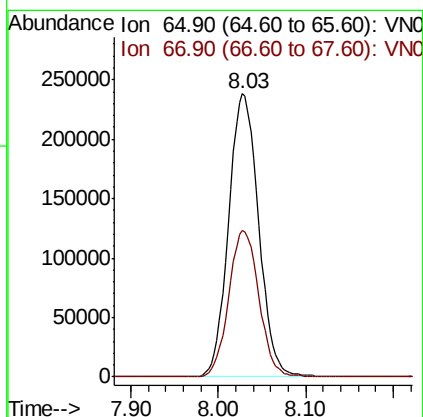
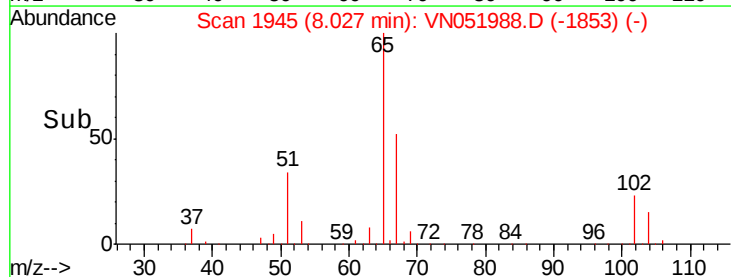
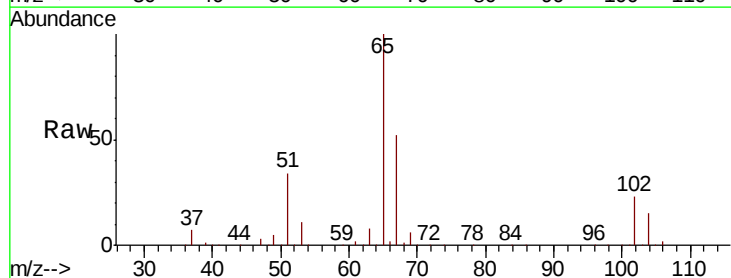
Instrument :
MSVOA_N
ClientSampleId :
PB114120ZHE#04

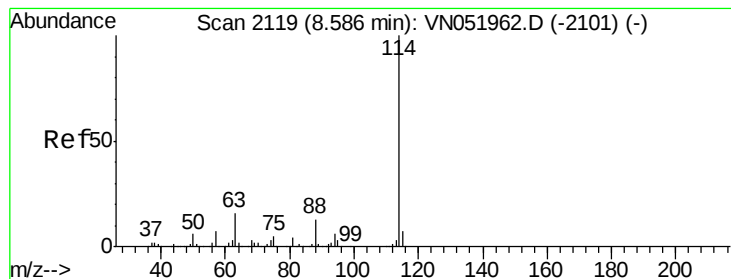
Tot Ion: 84 Resp: 14166
Ion Ratio Lower Upper
84 100
49 96.7 75.4 113.0
51 25.4 23.1 34.7
86 70.1 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051988.D
Acq: 24 Oct 2018 15:20

Tgt Ion: 65 Resp: 568253
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051988.D

Acq: 24 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

PB114120ZHE#04

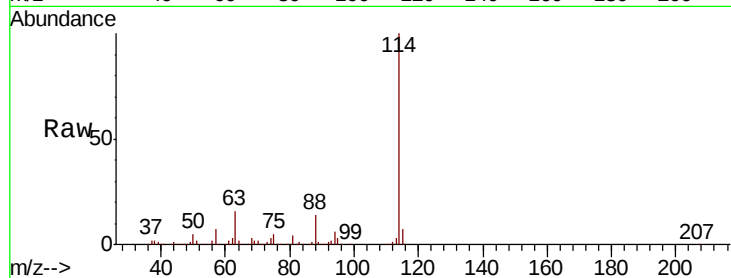
Tot Ion:114 Resp: 1577853

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.2

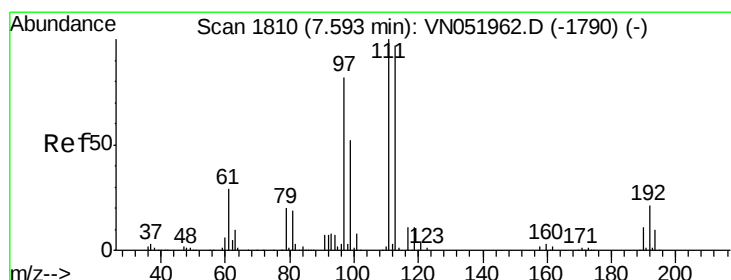
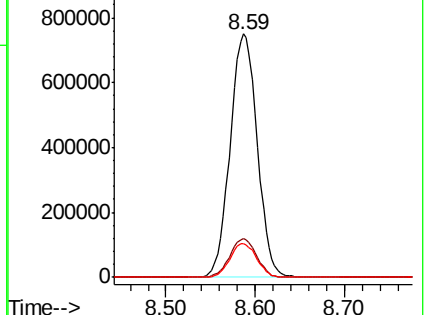
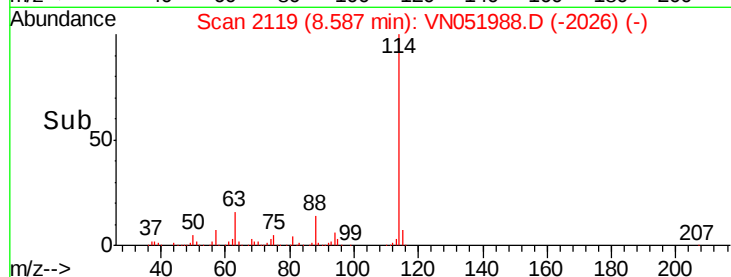
88 13.9 0.0 27.0



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: VN051988.D

Acq: 24 Oct 2018 15:20

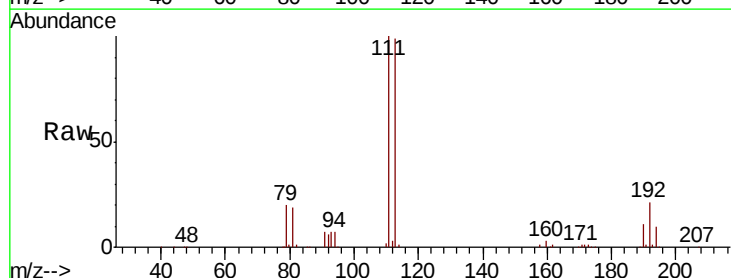
Tgt Ion:113 Resp: 589827

Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

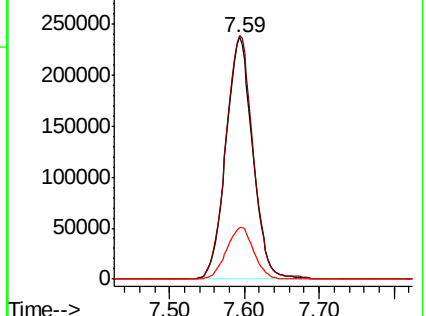
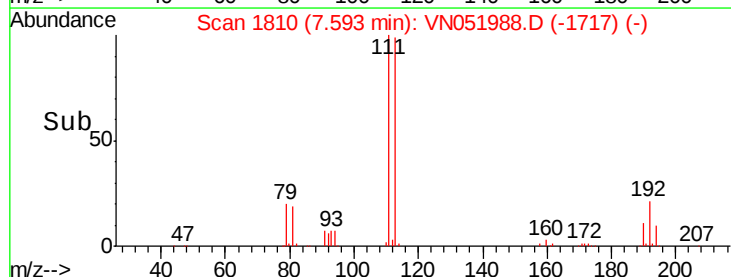
192 21.7 17.2 25.8

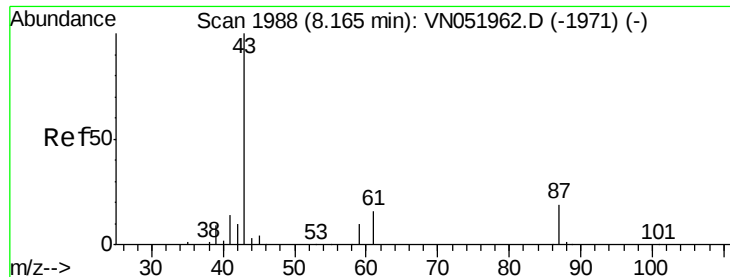


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 27.717 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051988.D

Acq: 24 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

PB114120ZHE#04

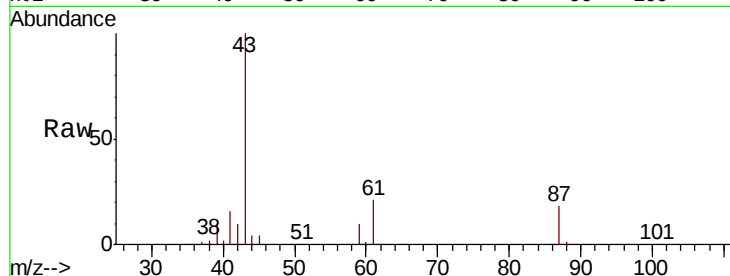
Tot Ion: 43 Resp: 280955

Ion Ratio Lower Upper

43 100

61 21.6 17.2 25.8

87 18.0 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)

8.17

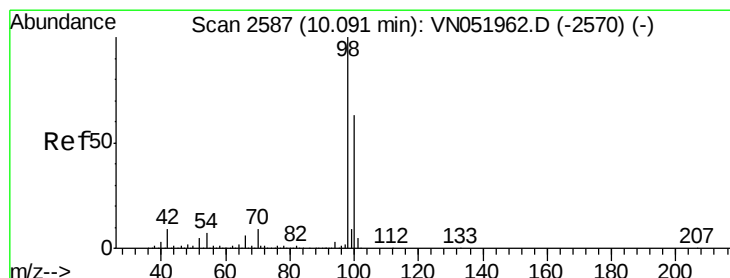
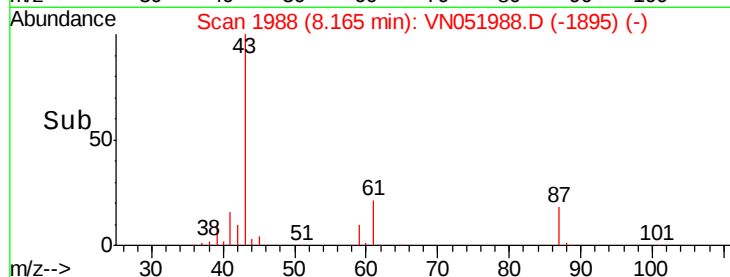
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051988.D

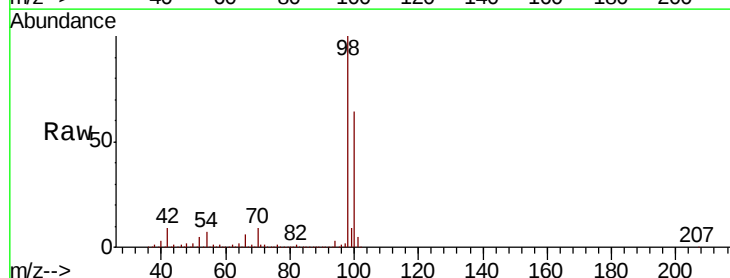
Acq: 24 Oct 2018 15:20

Tgt Ion: 98 Resp: 2161242

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)

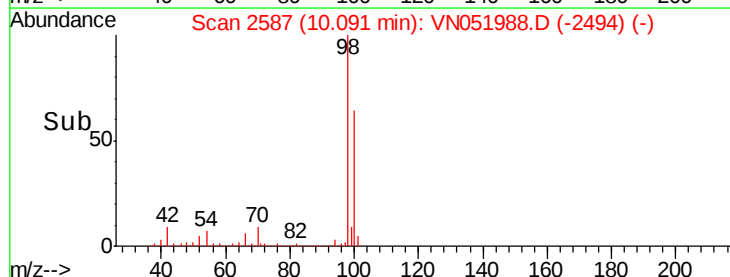
10.09

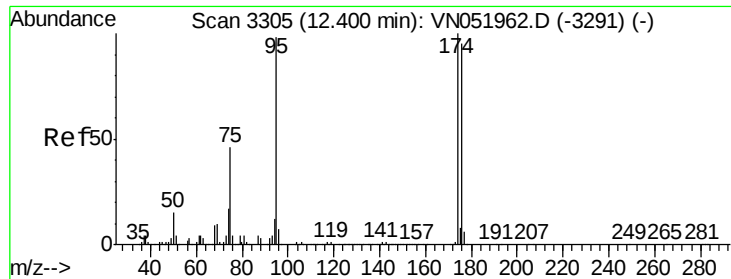
1000000

500000

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051988.D

Acq: 24 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

PB114120ZHE#04

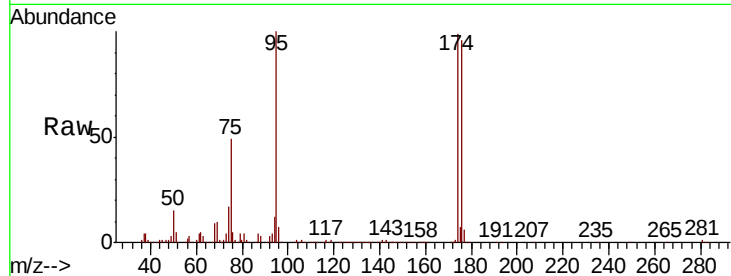
Tot Ion: 95 Resp: 665857

Ion Ratio Lower Upper

95 100

174 100.3 0.0 206.0

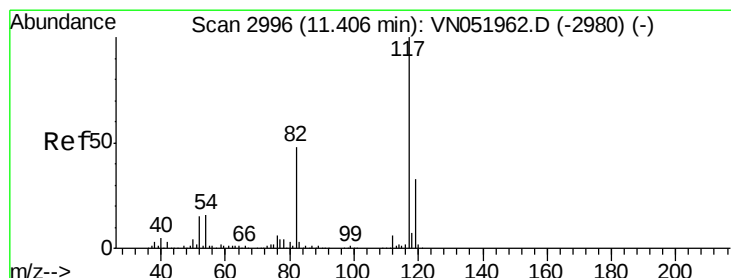
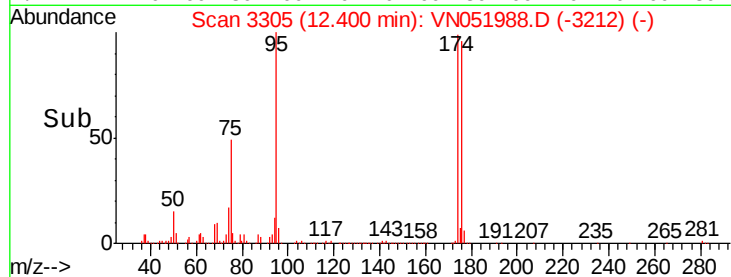
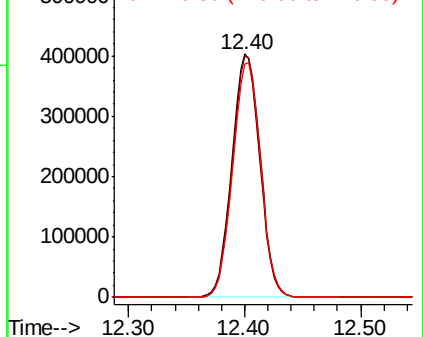
176 96.4 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051988.D

Acq: 24 Oct 2018 15:20

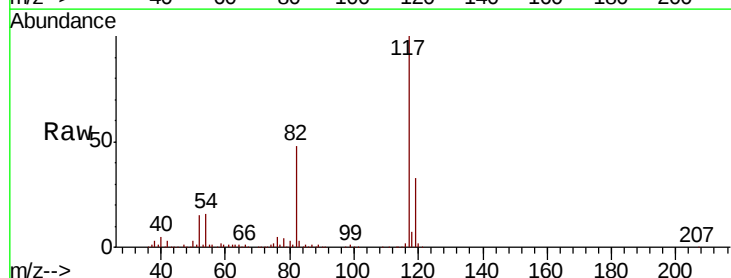
Tgt Ion: 117 Resp: 1460436

Ion Ratio Lower Upper

117 100

82 47.6 38.1 57.1

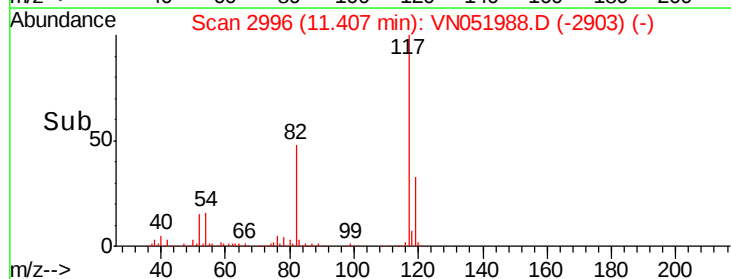
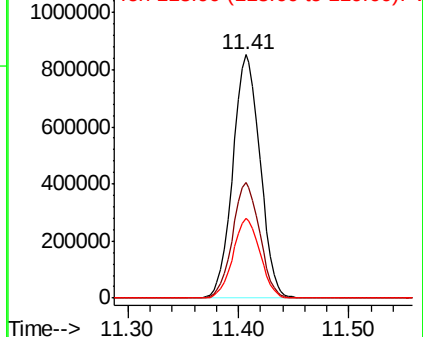
119 32.8 26.4 39.6

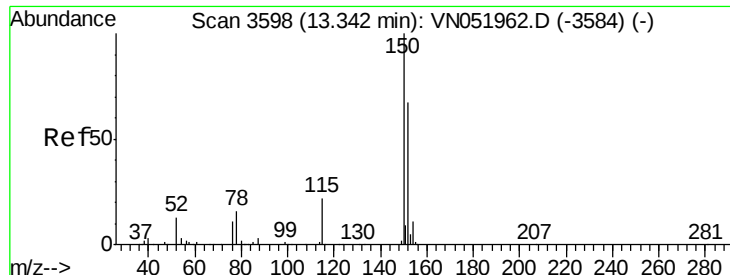


Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051988.D

Acq: 24 Oct 2018 15:20

Instrument :

MSVOA_N

ClientSampleId :

PB114120ZHE#04

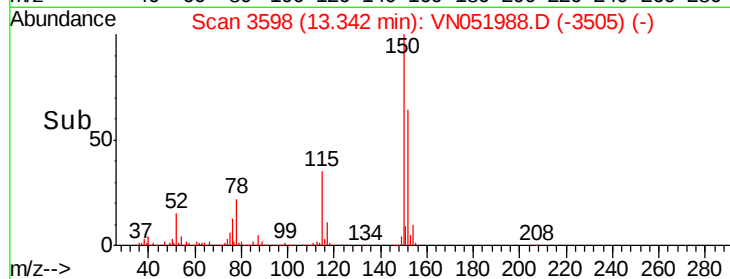
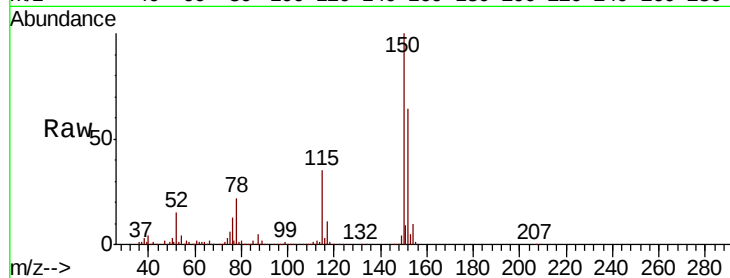
Tot Ion:152 Resp: 642371

Ion Ratio Lower Upper

152 100

115 53.8 25.8 77.3

150 156.5 0.0 344.4



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

800000

600000

400000

200000

0

13.34

13.30

13.40

Time-->