

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052611.D
 Acq On : 30 Nov 2018 17:08
 Operator : MD\SY
 Sample : J5771-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-02-112918-C

Quant Time: Dec 01 02:24:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

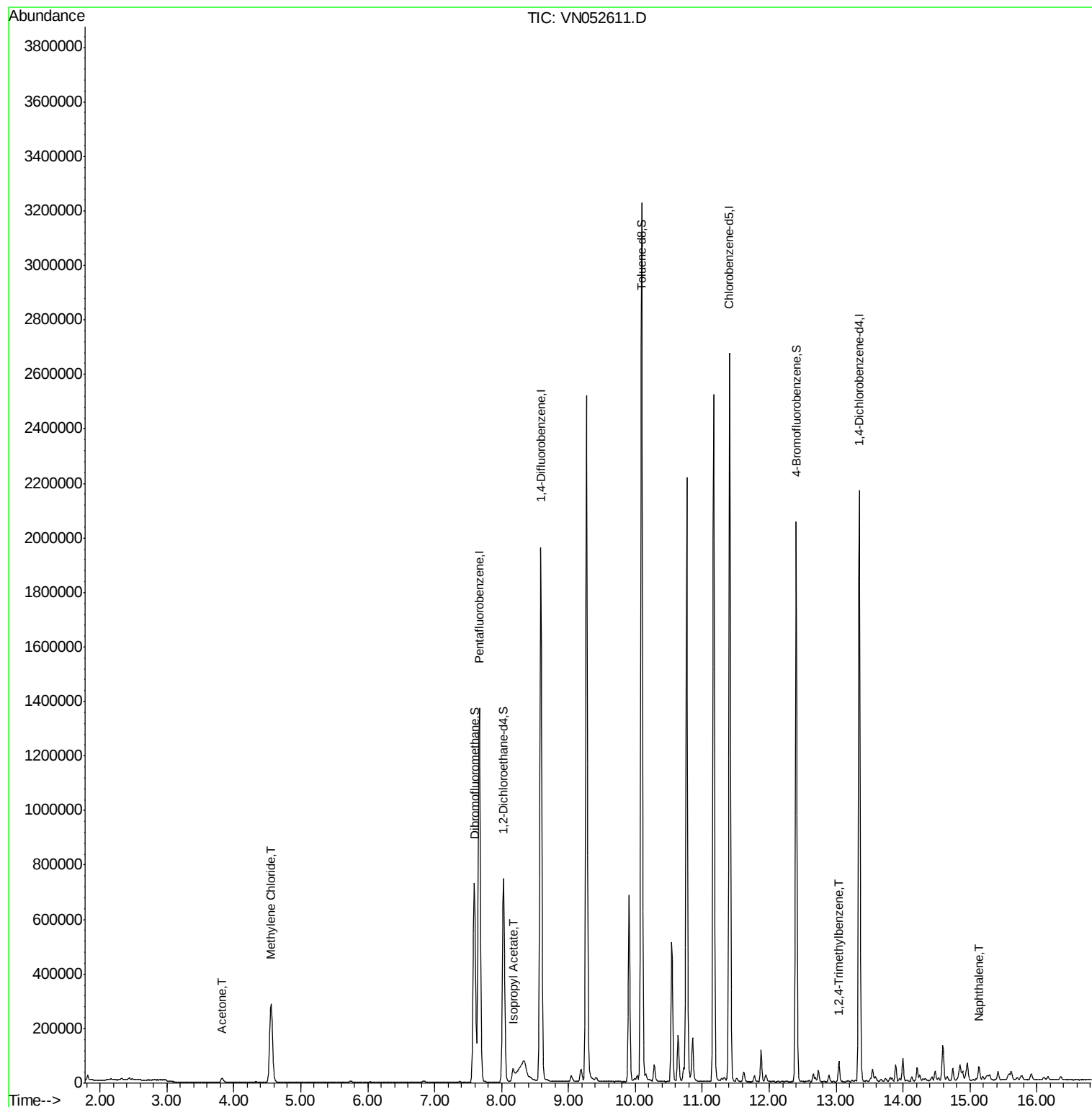
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1197736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1843362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1601507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	602269	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	631506	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
35) Dibromofluoromethane	7.59	113	569340	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
50) Toluene-d8	10.09	98	2259266	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	697716	46.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.88%	
Target Compounds						
16) Acetone	3.82	43	27138	7.890	ug/l	97
20) Methylene Chloride	4.55	84	223132	16.577	ug/l	95
43) Isopropyl Acetate	8.17	43	62079	3.453	ug/l #	78
84) 1,2,4-Trimethylbenzene	13.04	105	44842	1.187	ug/l	100
95) Naphthalene	15.14	128	44951	5.275	ug/l	99

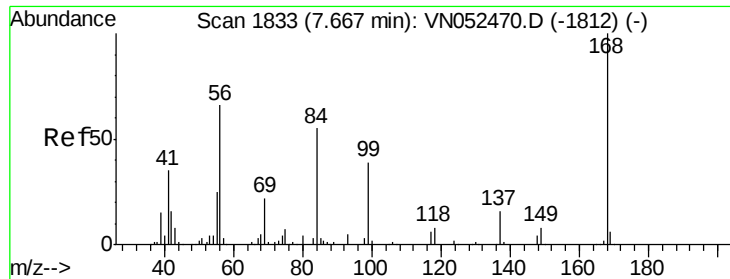
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052611.D

Acq: 30 Nov 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

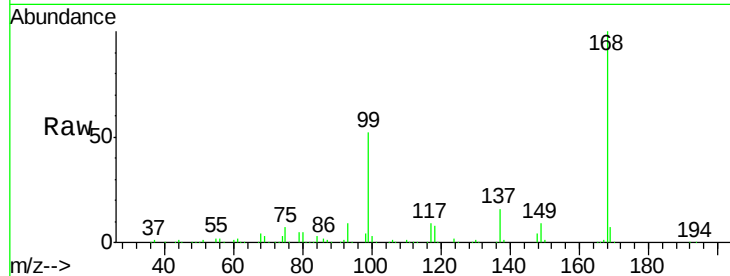
EO-02-112918-C

Tgt Ion:168 Resp: 1197736

Ion Ratio Lower Upper

168 100

99 51.6 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

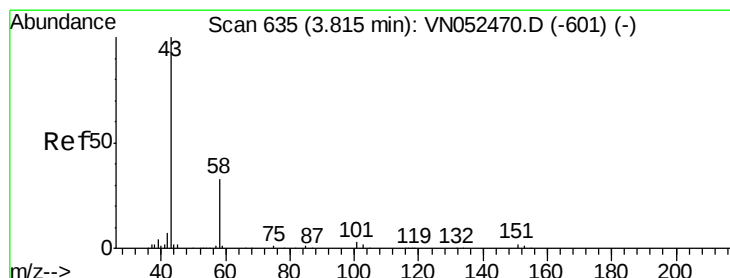
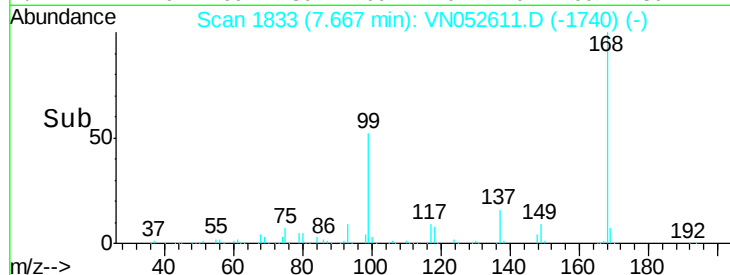
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 7.890 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052611.D

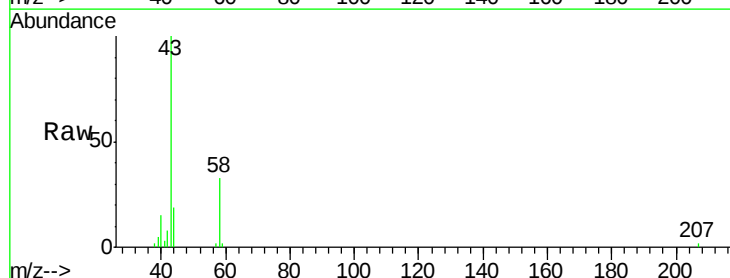
Acq: 30 Nov 2018 17:08

Tgt Ion: 43 Resp: 27138

Ion Ratio Lower Upper

43 100

58 30.9 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

10000

8000

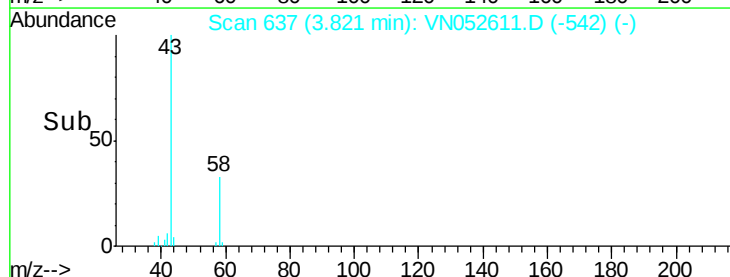
6000

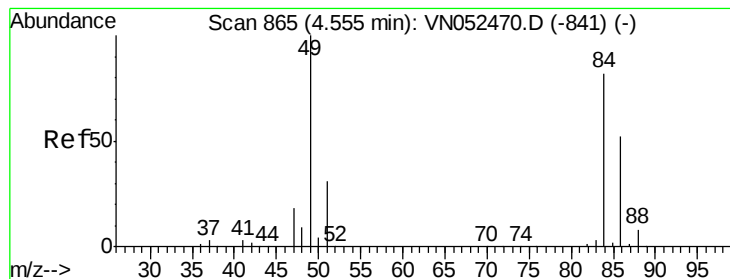
4000

2000

0

Time-->





#20

Methylene Chloride

Concen: 16.577 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052611.D

Acq: 30 Nov 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

EO-02-112918-C

Tgt Ion: 84 Resp: 223132

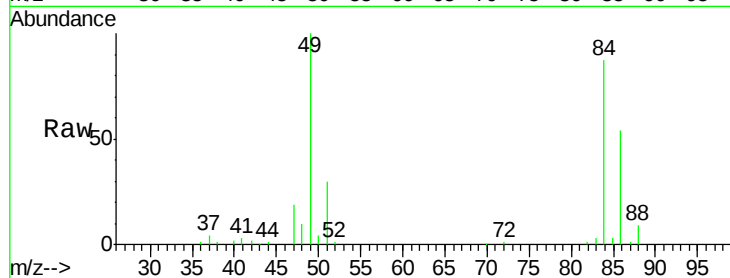
Ion Ratio Lower Upper

84 100

49 115.1 98.0 147.0

51 35.0 30.1 45.1

86 62.1 50.7 76.1

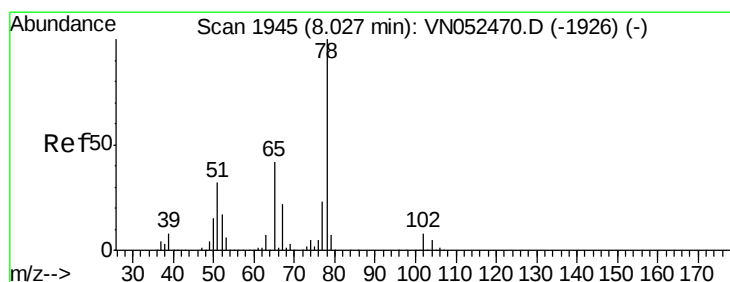
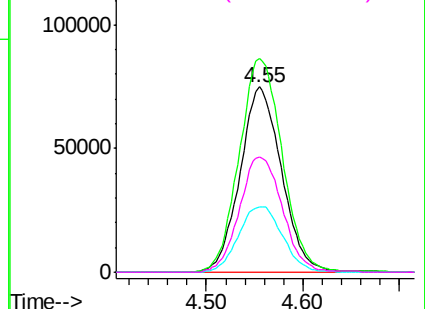
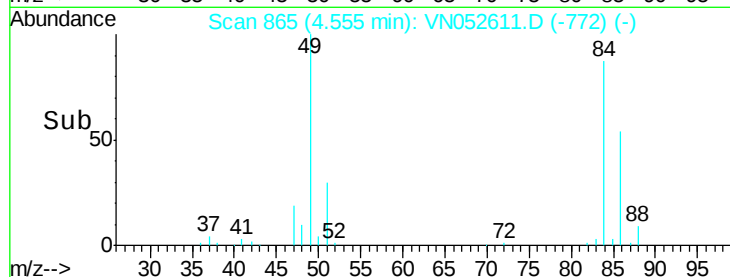


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: VN052611.D

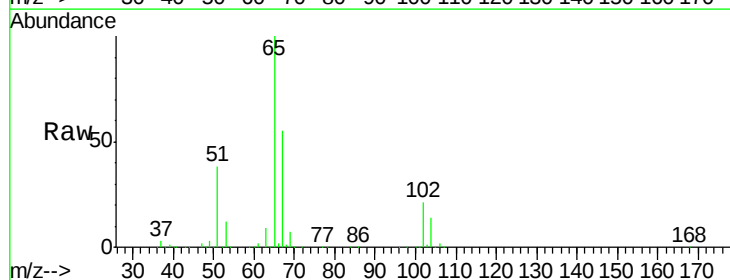
Acq: 30 Nov 2018 17:08

Tgt Ion: 65 Resp: 631506

Ion Ratio Lower Upper

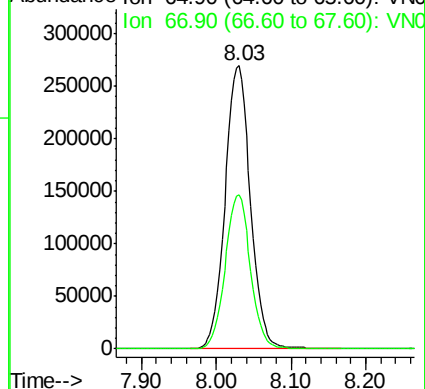
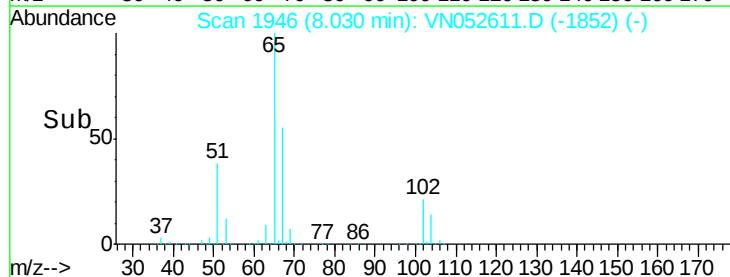
65 100

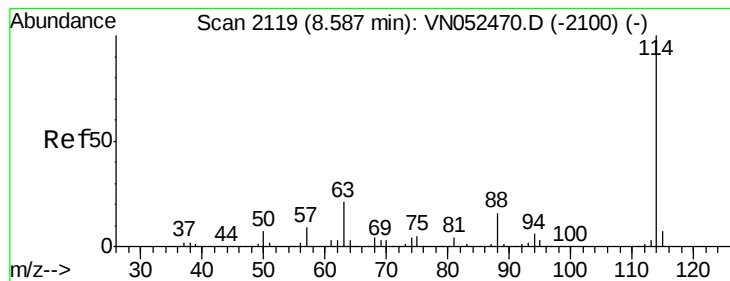
67 54.1 0.0 109.8



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: VN052611.D

Acq: 30 Nov 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

EO-02-112918-C

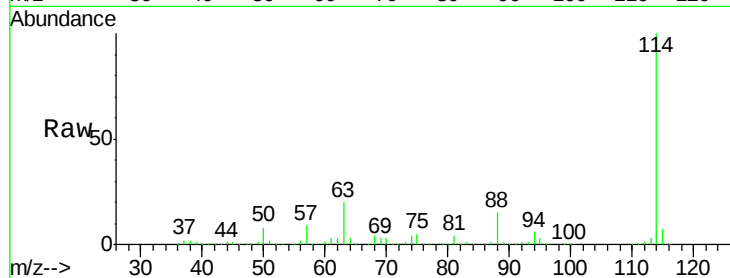
Tgt Ion:114 Resp: 1843362

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.8

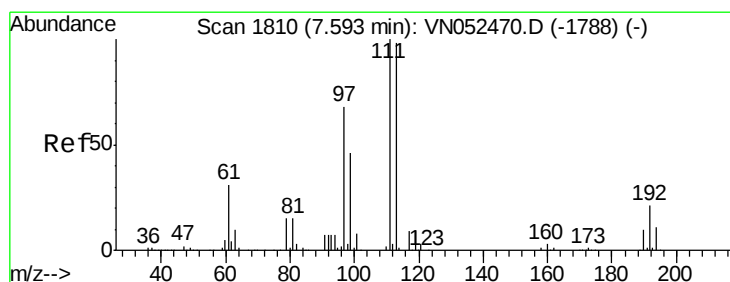
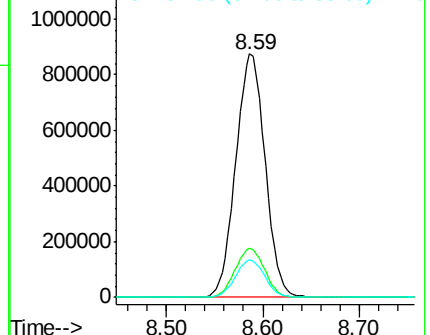
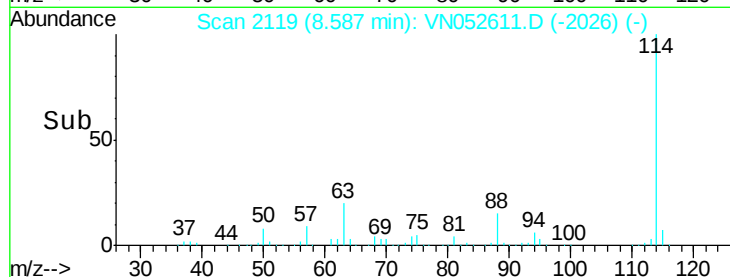
88 15.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052611.D

Acq: 30 Nov 2018 17:08

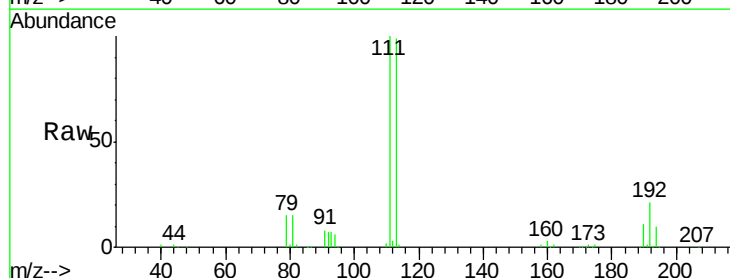
Tgt Ion:113 Resp: 569340

Ion Ratio Lower Upper

113 100

111 100.7 82.0 123.0

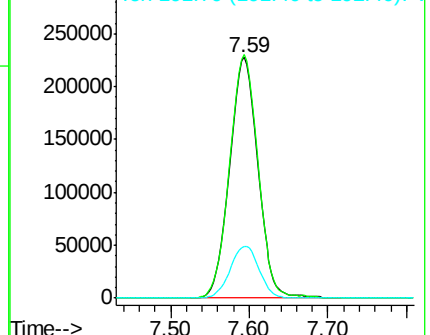
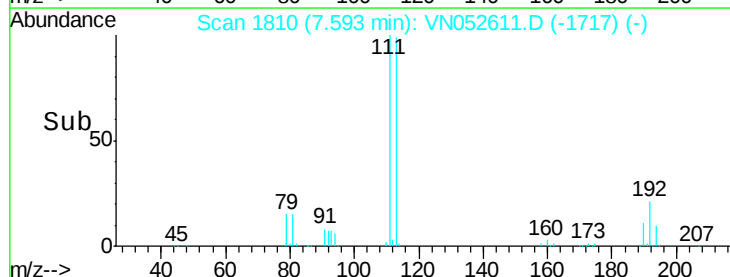
192 22.0 17.0 25.6

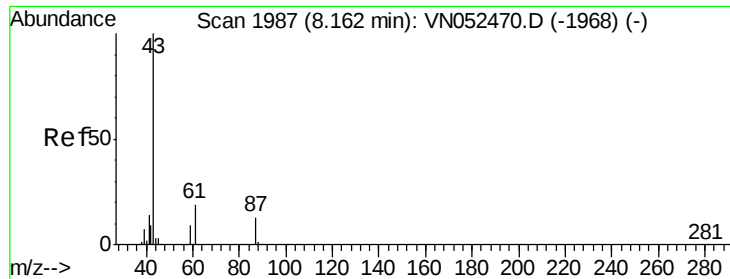


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.453 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052611.D

Acq: 30 Nov 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

EO-02-112918-C

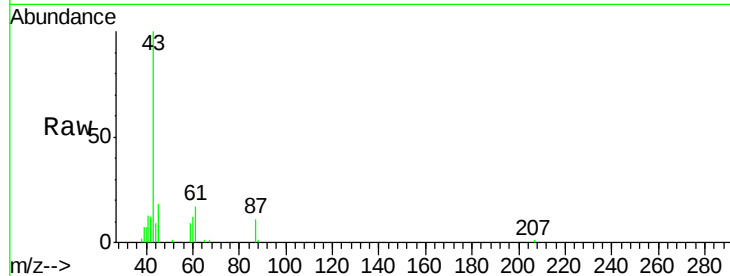
Tgt Ion: 43 Resp: 62079

Ion Ratio Lower Upper

43 100

61 15.7 24.1 36.1#

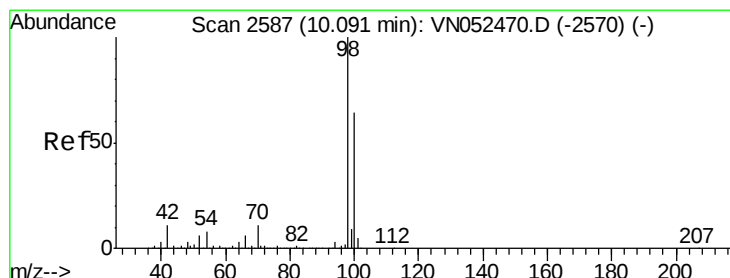
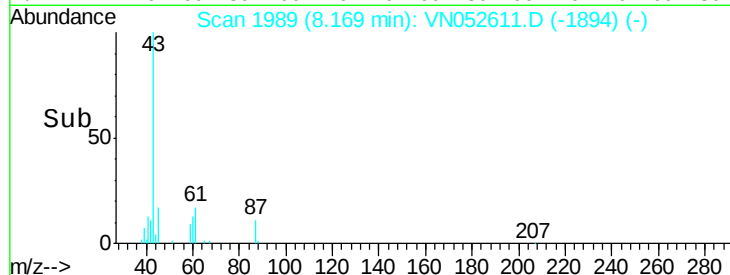
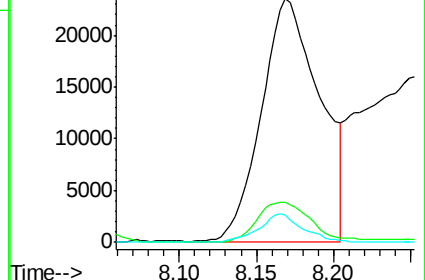
87 8.7 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052611.D

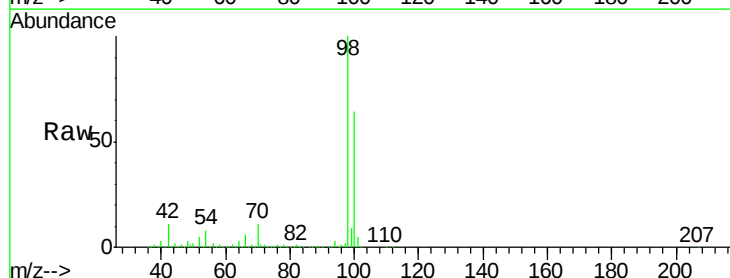
Acq: 30 Nov 2018 17:08

Tgt Ion: 98 Resp: 2259266

Ion Ratio Lower Upper

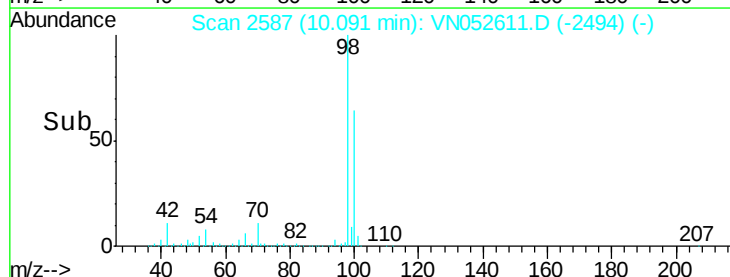
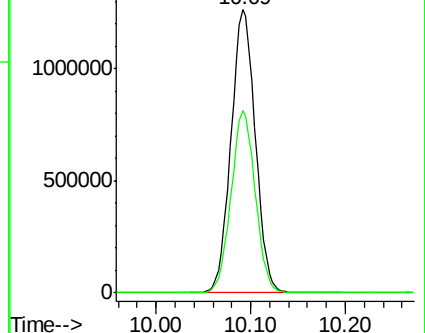
98 100

100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052611.D

Acq: 30 Nov 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

EO-02-112918-C

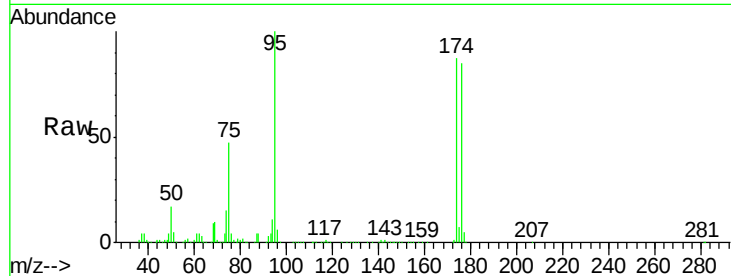
Tgt Ion: 95 Resp: 697716

Ion Ratio Lower Upper

95 100

174 87.7 0.0 173.0

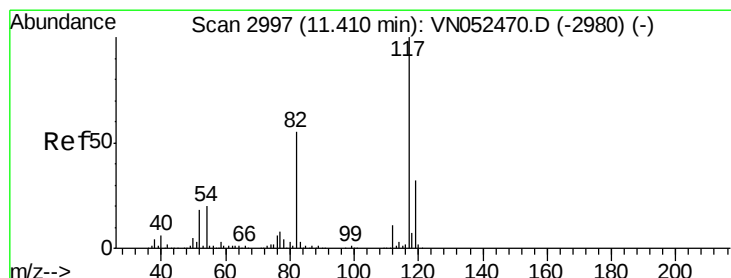
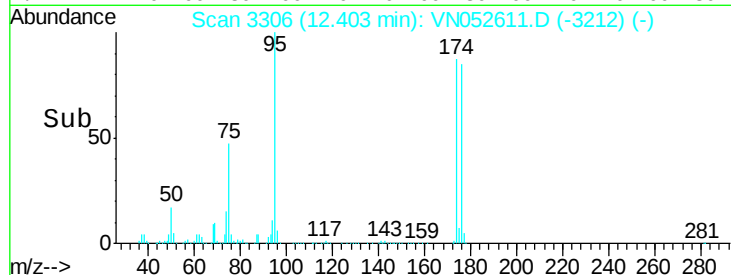
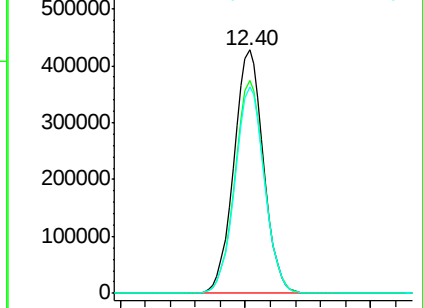
176 85.1 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN052611.D

Acq: 30 Nov 2018 17:08

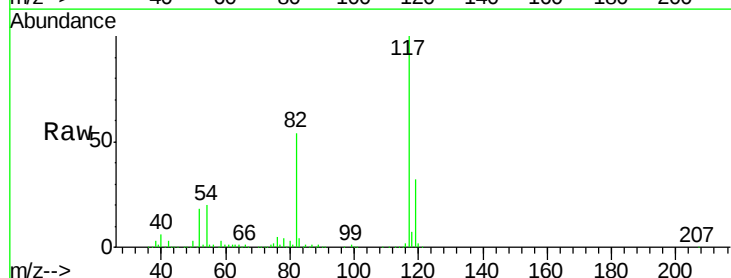
Tgt Ion: 117 Resp: 1601507

Ion Ratio Lower Upper

117 100

82 54.0 43.6 65.4

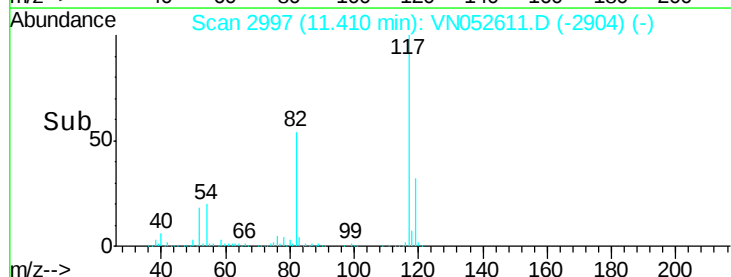
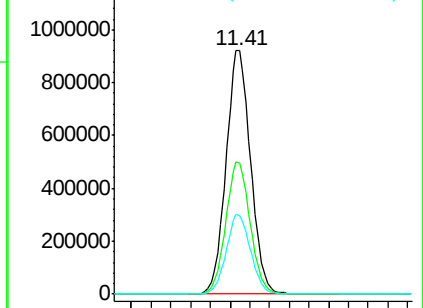
119 32.4 25.4 38.2

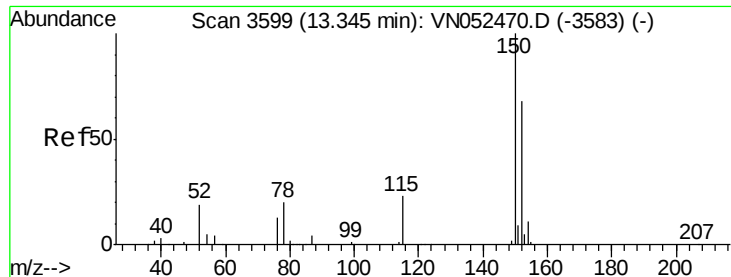


Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052470.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052470.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: VN052611.D

Acq: 30 Nov 2018 17:08

Instrument :

MSVOA_N

ClientSampleId :

EO-02-112918-C

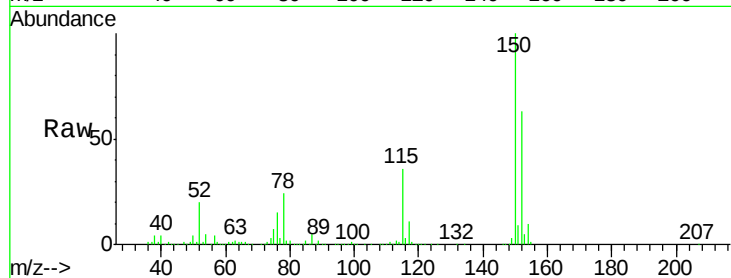
Tgt Ion:152 Resp: 602269

Ion Ratio Lower Upper

152 100

115 56.7 28.4 85.2

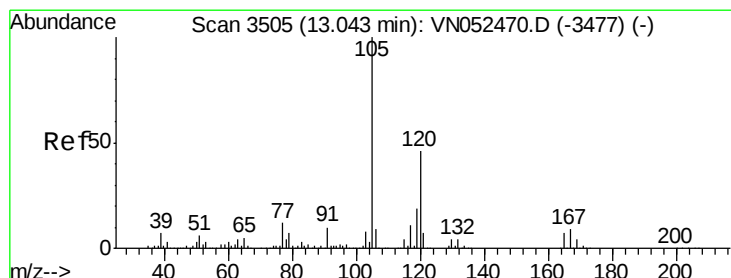
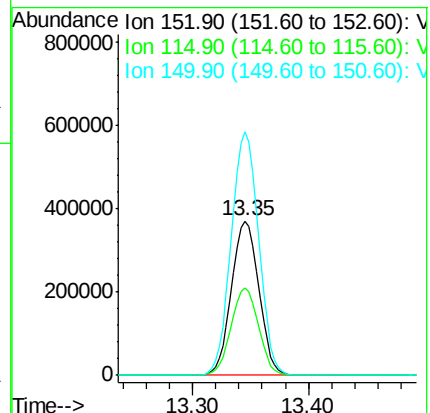
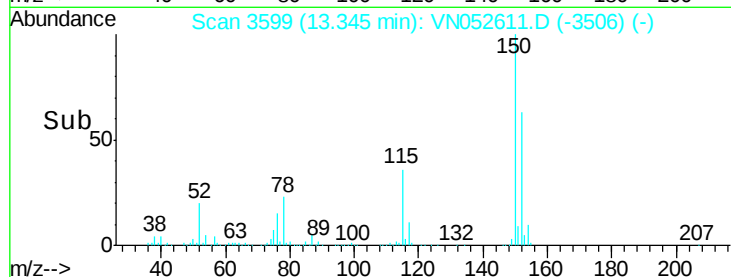
150 158.0 0.0 346.0



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



#84

1,2,4-Trimethylbenzene

Concen: 1.187 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052611.D

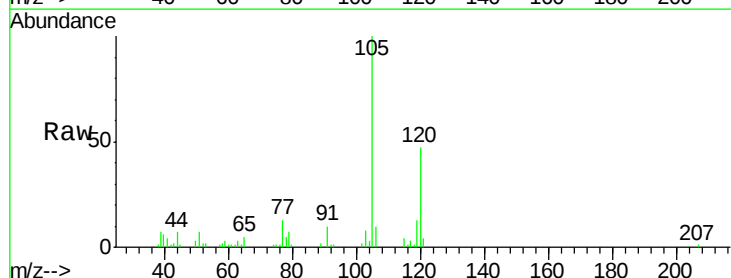
Acq: 30 Nov 2018 17:08

Tgt Ion:105 Resp: 44842

Ion Ratio Lower Upper

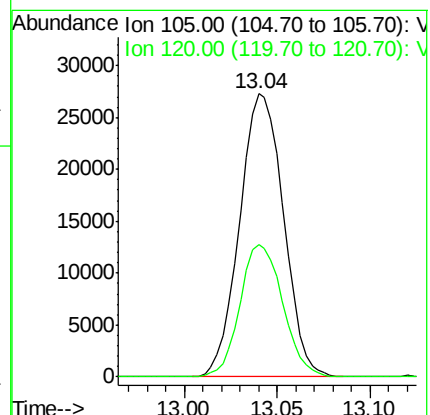
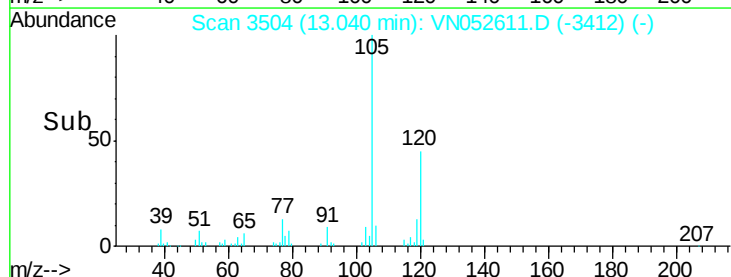
105 100

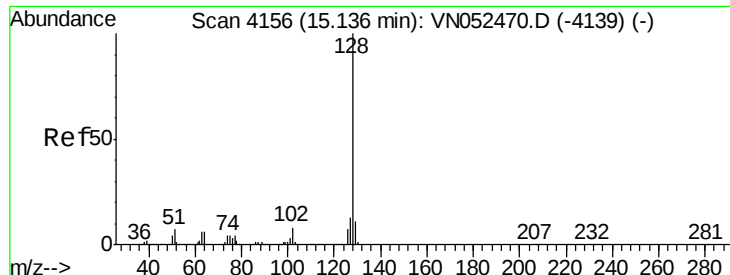
120 45.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 5.275 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052611.D

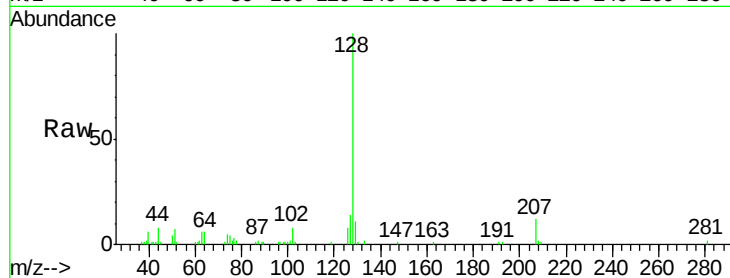
Acq: 30 Nov 2018 17:08

Instrument :

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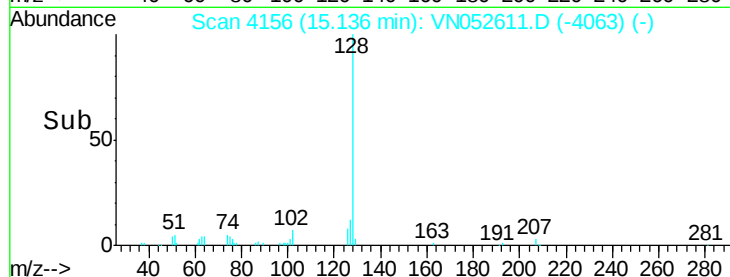
Tgt Ion:128 Resp: 44951

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 11.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

