

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050847.D
 Acq On : 23 Aug 2018 12:43
 Operator : MD\SY
 Sample : PB112301ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112301ZHE#01

Quant Time: Aug 24 03:04:57 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	671700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1111160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	314246	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	440129	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
35) Dibromofluoromethane	7.59	113	421949	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.09	98	1498021	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	
62) 4-Bromofluorobenzene	12.40	95	398077	36.25	ug/l	0.00
Spiked Amount			Recovery	=	72.50%	

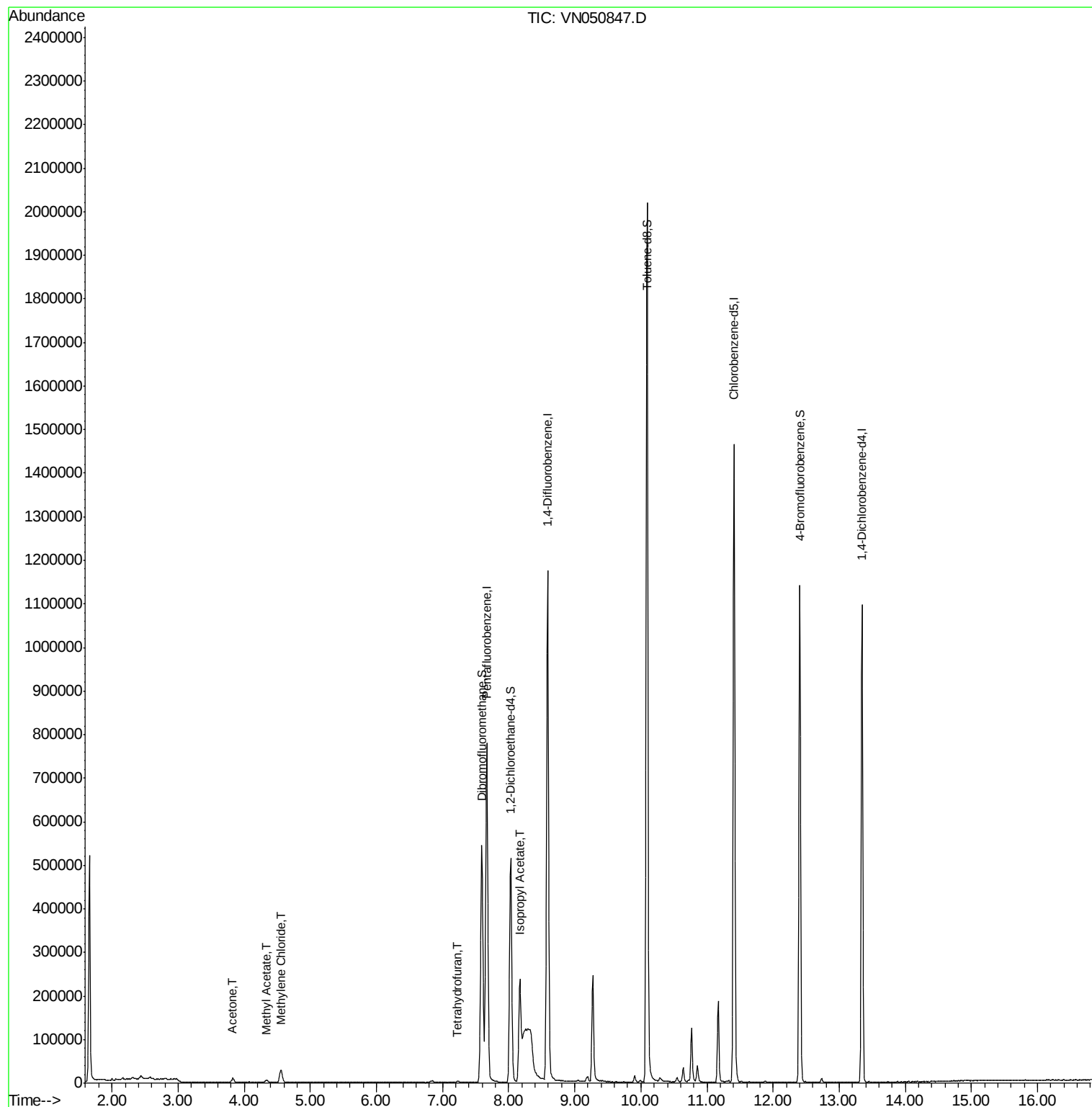
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	16754	1.73	ug/l	97
18) Methyl Acetate	4.34	43	11876	1.56	ug/l	# 69
20) Methylene Chloride	4.55	84	22201	2.44	ug/l	92
29) Tetrahydrofuran	7.22	42	2370	1.27	ug/l	94
43) Isopropyl Acetate	8.17	43	298199	23.03	ug/l	95

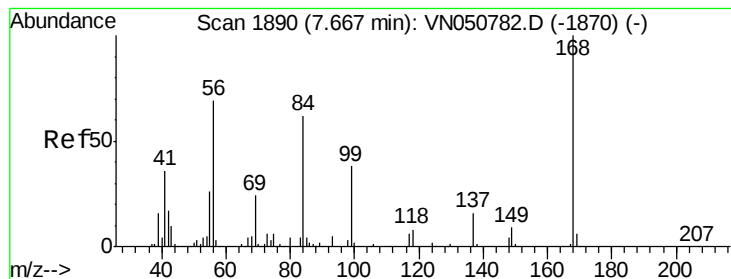
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050847.D

Acq: 23 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

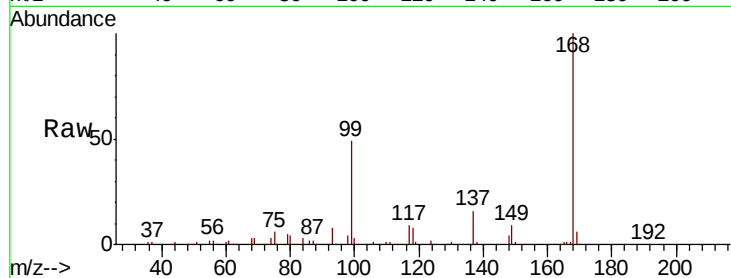
PB112301ZHE#01

Tot Ion:168 Resp: 671700

Ion Ratio Lower Upper

168 100

99 48.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

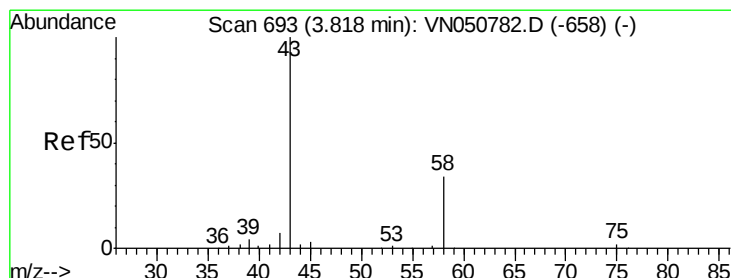
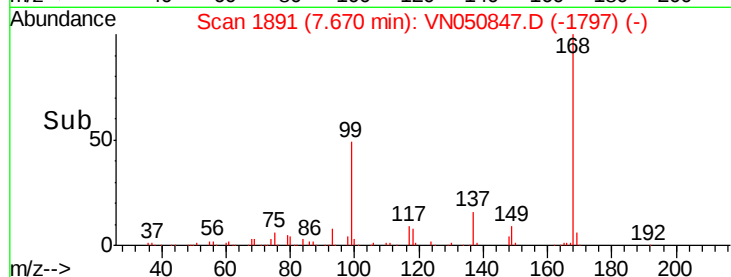
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.73 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050847.D

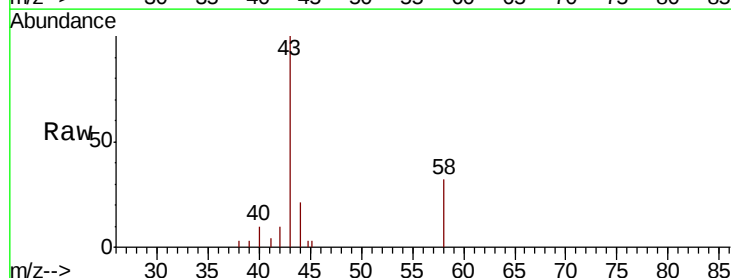
Acq: 23 Aug 2018 12:43

Tgt Ion: 43 Resp: 16754

Ion Ratio Lower Upper

43 100

58 32.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

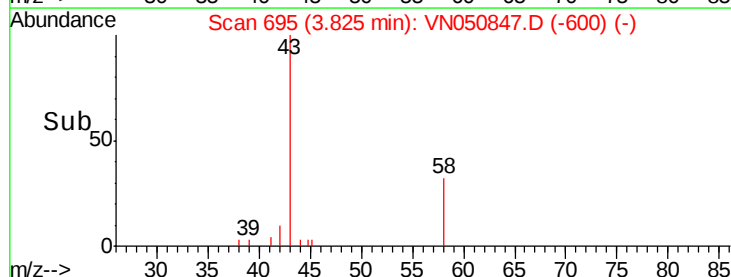
6000

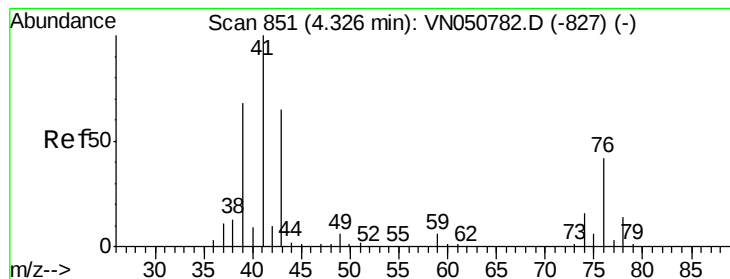
4000

2000

0

Time-->





#18

Methyl Acetate

Concen: 1.56 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN050847.D

Acq: 23 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

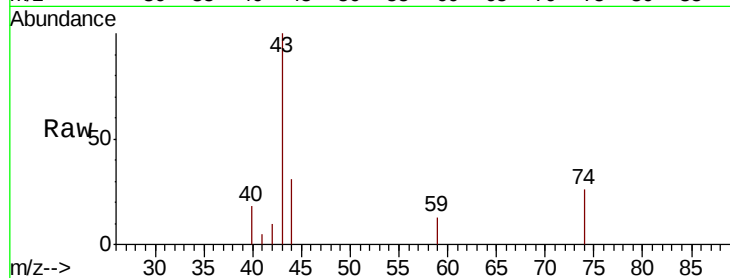
PB112301ZHE#01

Tot Ion: 43 Resp: 11876

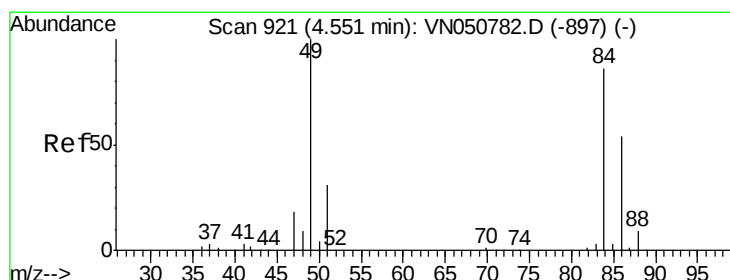
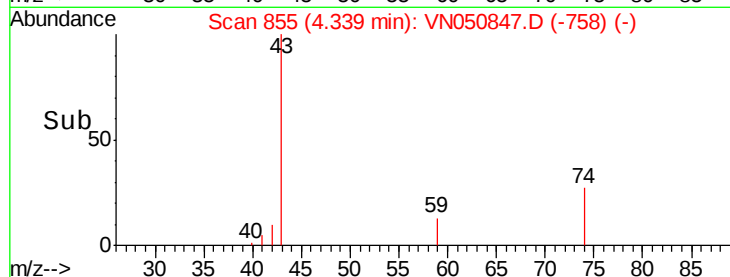
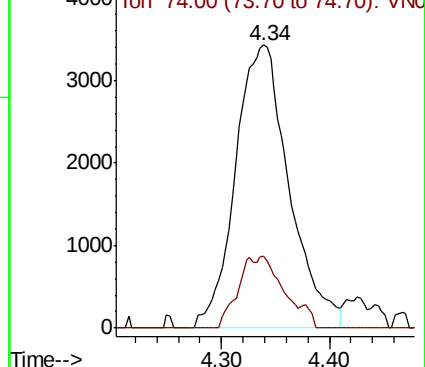
Ion Ratio Lower Upper

43 100

74 9.4 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN050847.D (-758) (-)



#20

Methylene Chloride

Concen: 2.44 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050847.D

Acq: 23 Aug 2018 12:43

Tgt Ion: 84 Resp: 22201

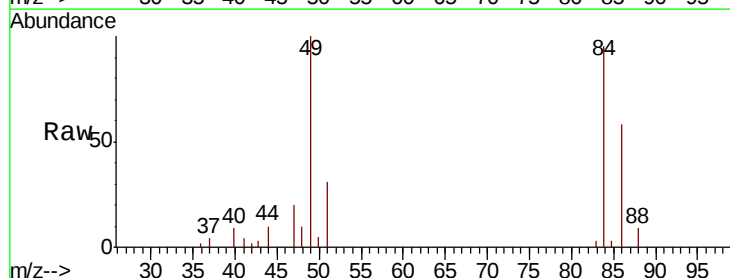
Ion Ratio Lower Upper

84 100

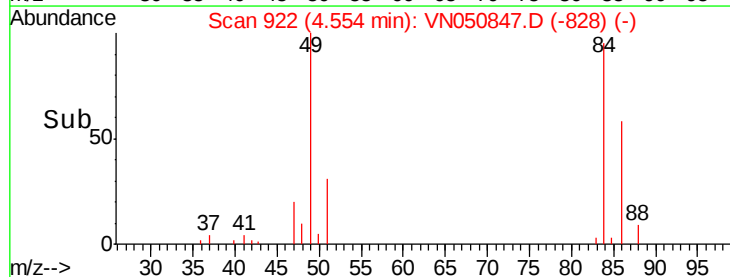
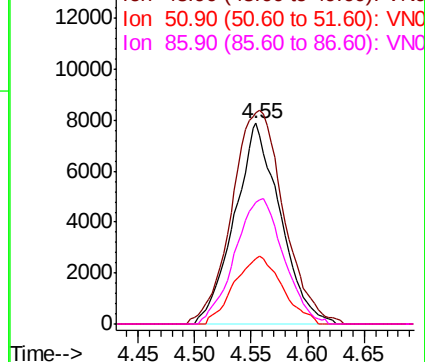
49 103.4 93.2 139.8

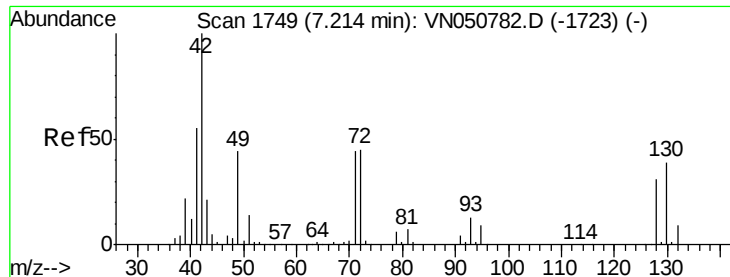
51 32.8 29.0 43.6

86 60.7 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VN050847.D (-828) (-)





#29

Tetrahydrofuran

Concen: 1.27 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050847.D

Acq: 23 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

PB112301ZHE#01

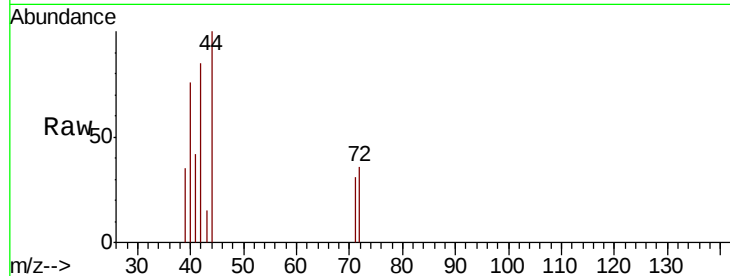
Tot Ion: 42 Resp: 2370

Ion Ratio Lower Upper

42 100

72 41.5 35.5 53.3

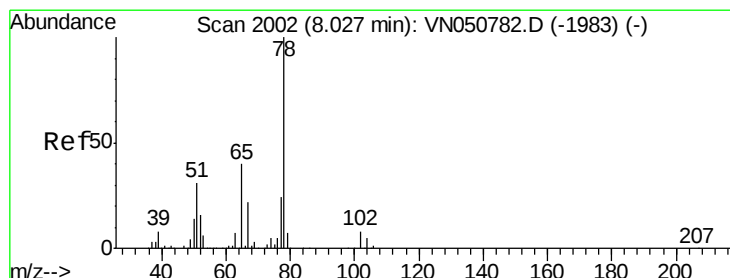
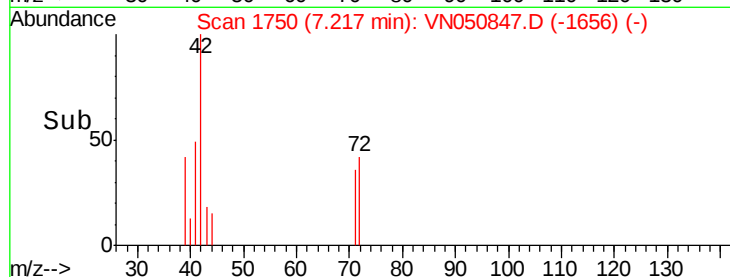
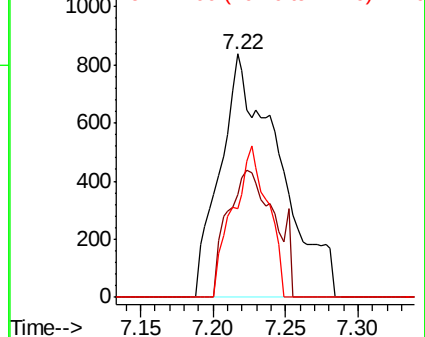
71 36.6 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.43 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050847.D

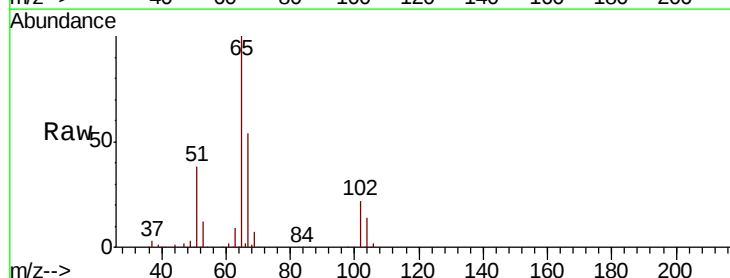
Acq: 23 Aug 2018 12:43

Tgt Ion: 65 Resp: 440129

Ion Ratio Lower Upper

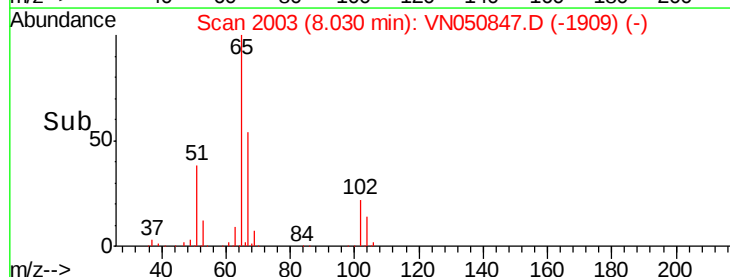
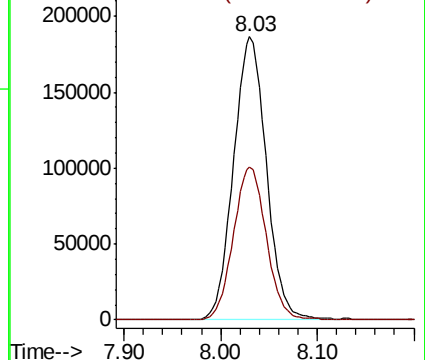
65 100

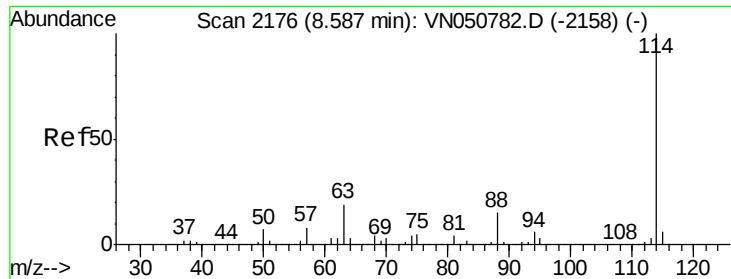
67 54.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

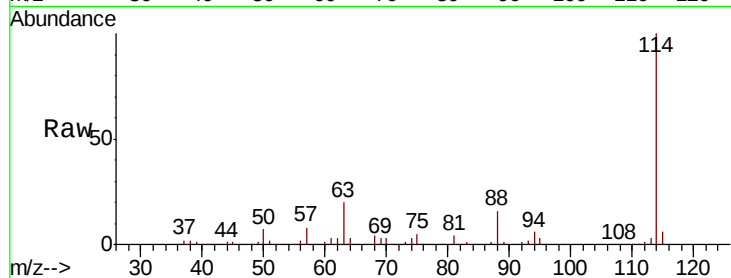




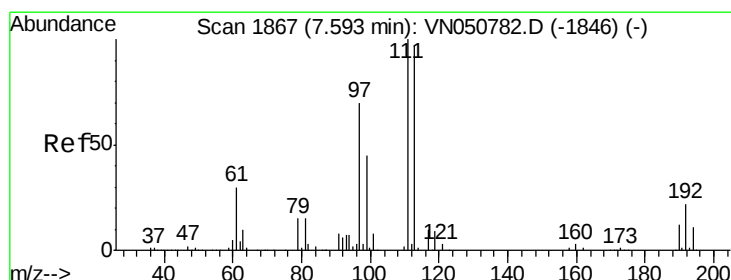
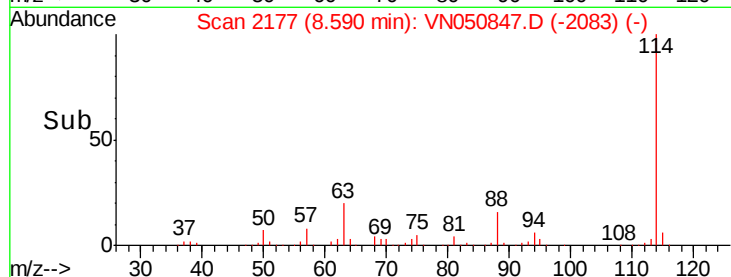
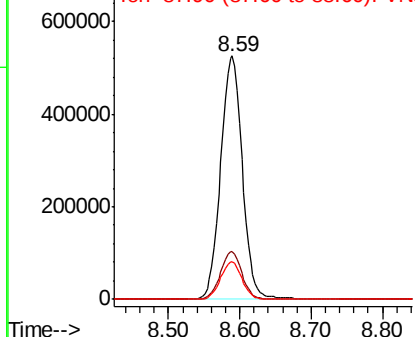
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050847.D
 Acq: 23 Aug 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PB112301ZHE#01

Tot Ion:114 Resp: 1111160
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.6 0.0 30.6

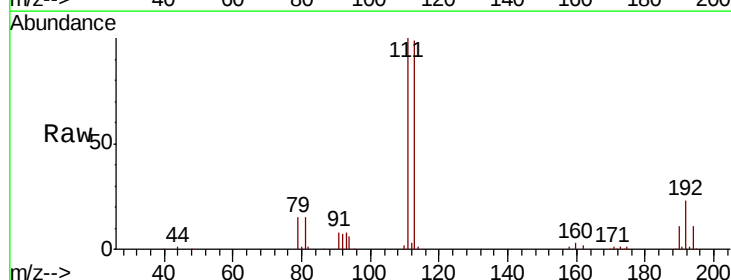


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

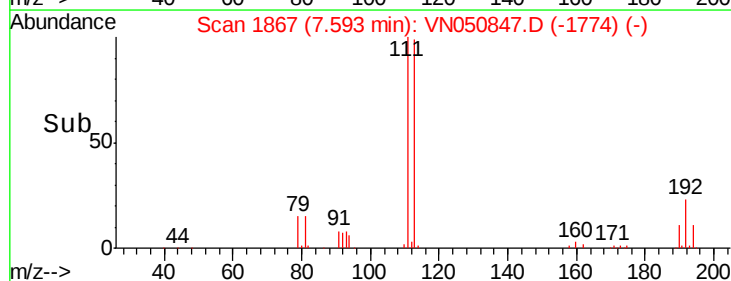
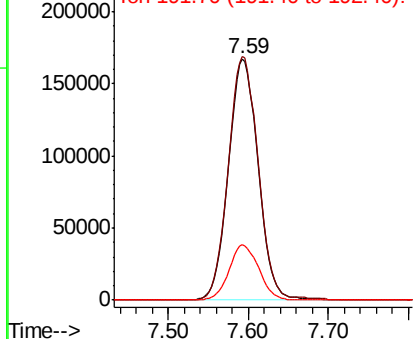


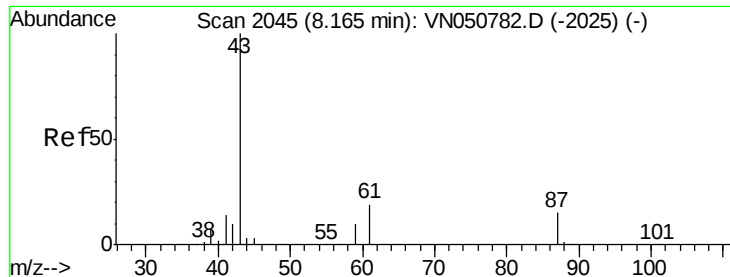
#35
 Dibromofluoromethane
 Concen: 47.73 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050847.D
 Acq: 23 Aug 2018 12:43

Tgt Ion:113 Resp: 421949
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.6 123.8
 192 22.8 18.0 27.0



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: 23.03 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050847.D

Acq: 23 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

PB112301ZHE#01

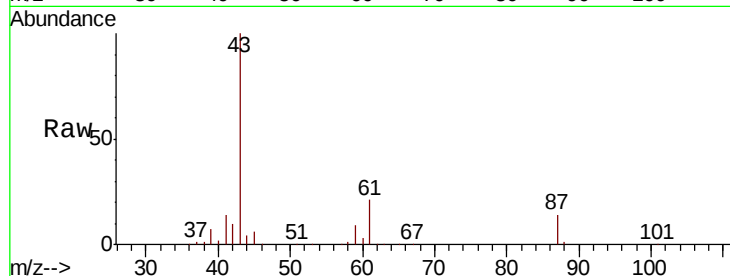
Tot Ion: 43 Resp: 298199

Ion Ratio Lower Upper

43 100

61 19.0 17.5 26.3

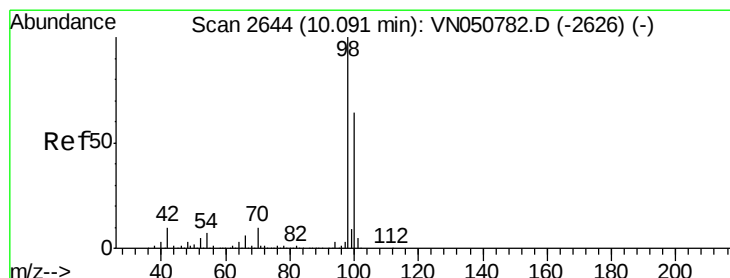
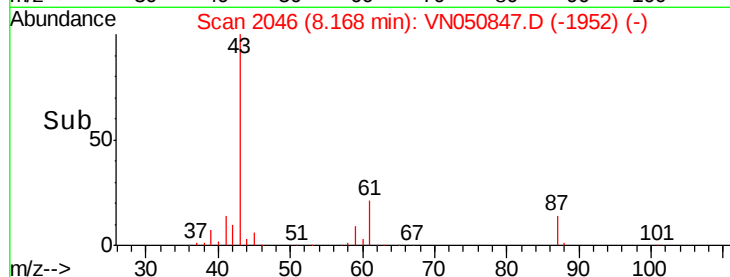
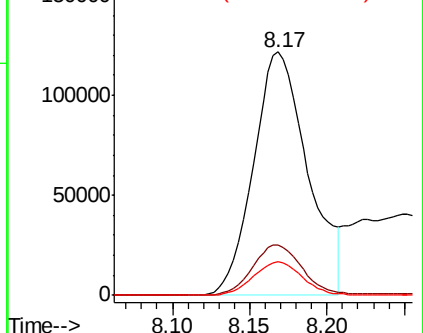
87 12.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 45.33 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050847.D

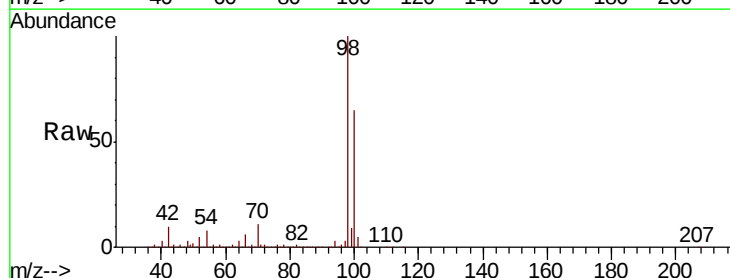
Acq: 23 Aug 2018 12:43

Tgt Ion: 98 Resp: 1498021

Ion Ratio Lower Upper

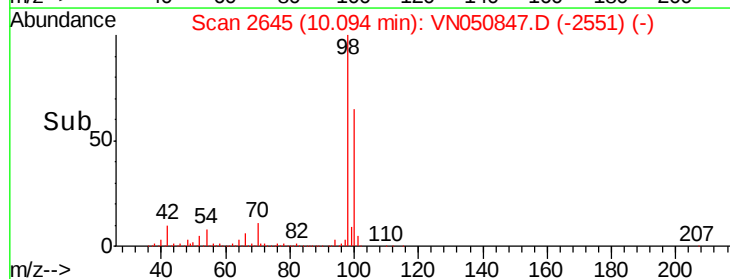
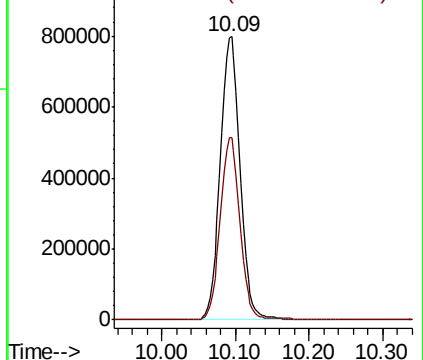
98 100

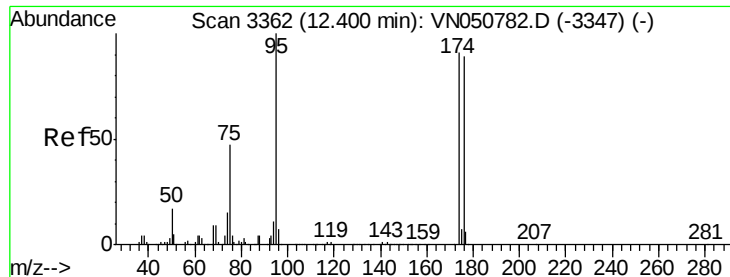
100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 36.25 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050847.D

Acq: 23 Aug 2018 12:43

Instrument :

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ClientSampleId :

PB112301ZHE#01

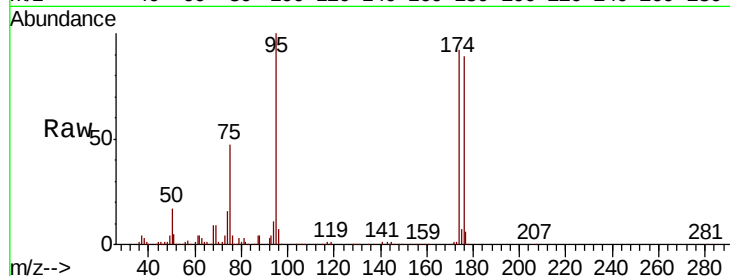
Tot Ion: 95 Resp: 398077

Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.0

176 88.8 0.0 178.8



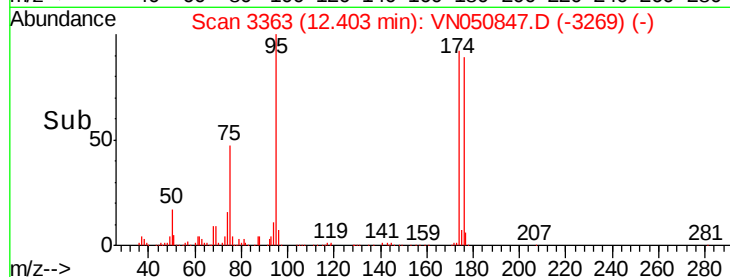
Abundance Ion 94.90 (94.60 to 95.60): VN050782.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050782.D (-3347) (-)

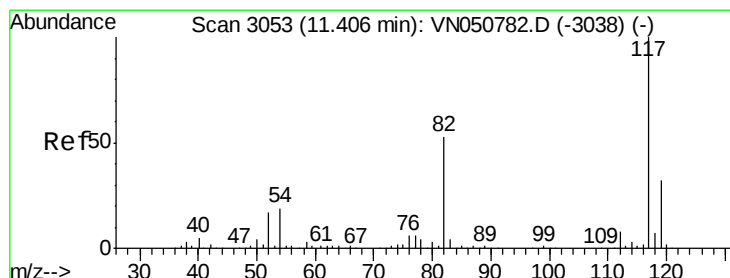
Ion 175.80 (175.50 to 176.50): VN050782.D (-3347) (-)

12.40

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050847.D

Acq: 23 Aug 2018 12:43

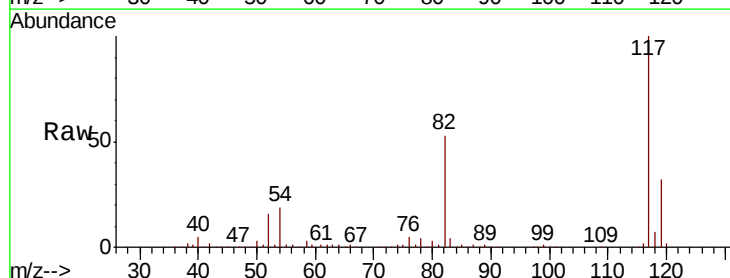
Tgt Ion: 117 Resp: 926878

Ion Ratio Lower Upper

117 100

82 53.3 42.6 64.0

119 31.9 25.8 38.6



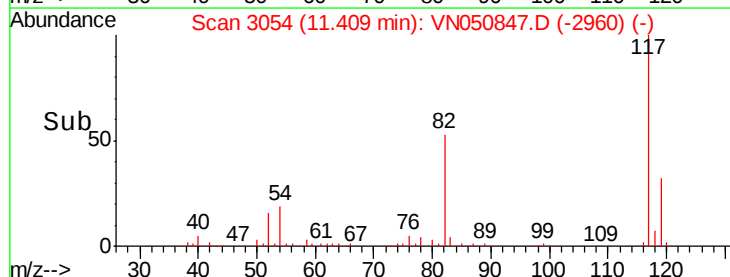
Abundance Ion 116.90 (116.60 to 117.60): VN050782.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050782.D (-3038) (-)

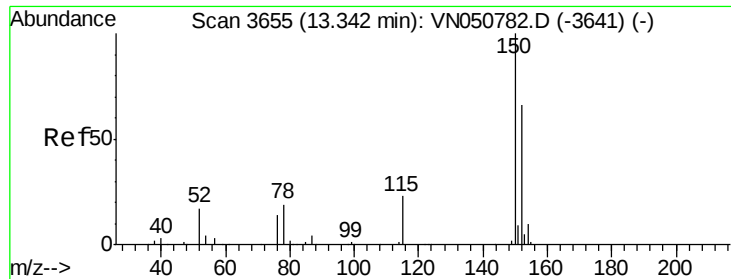
Ion 118.90 (118.60 to 119.60): VN050782.D (-3038) (-)

11.41

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050847.D

Acq: 23 Aug 2018 12:43

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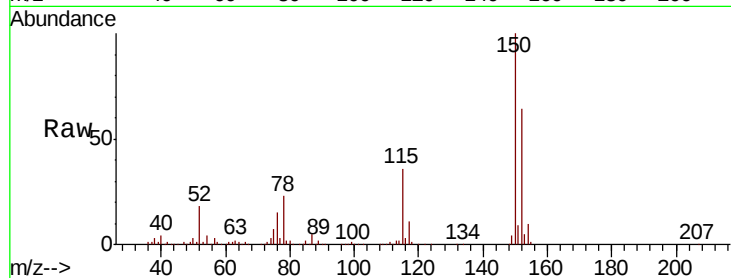
Tot Ion:152 Resp: 314246

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

150 157.4 0.0 351.4



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

