

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052564.D
 Acq On : 29 Nov 2018 14:52
 Operator : MD\SY
 Sample : PB115155ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115155ZHE#03

Quant Time: Nov 30 03:04:58 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

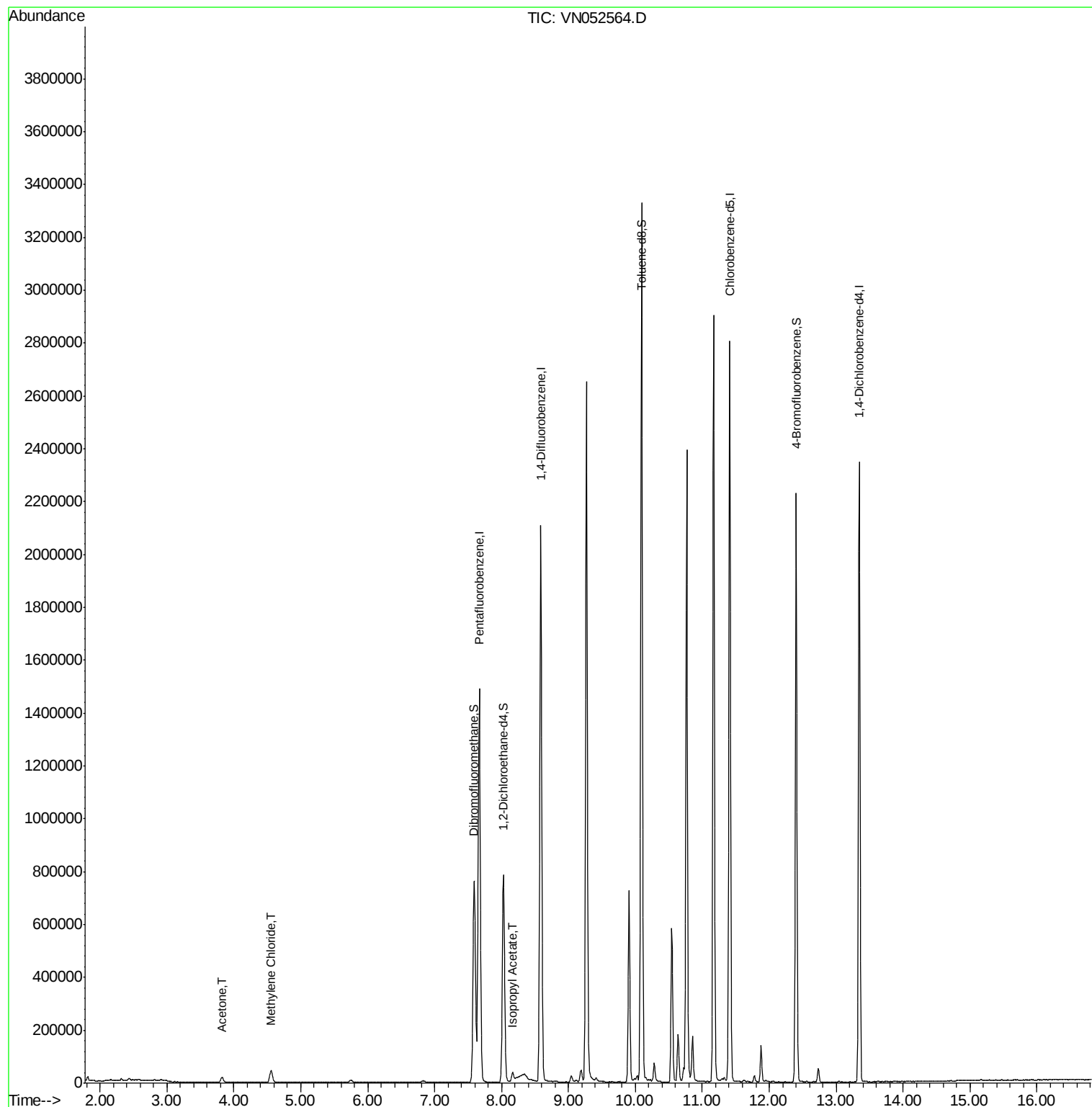
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1288270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1955973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1720547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	661659	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	670355	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
35) Dibromofluoromethane	7.59	113	599771	49.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.48%	
50) Toluene-d8	10.09	98	2388099	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	760027	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
Target Compounds						
16) Acetone	3.82	43	34481	9.320	ug/l	91
20) Methylene Chloride	4.55	84	33503	2.314	ug/l	95
43) Isopropyl Acetate	8.16	43	48440	2.539	ug/l #	81

(#) = 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: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

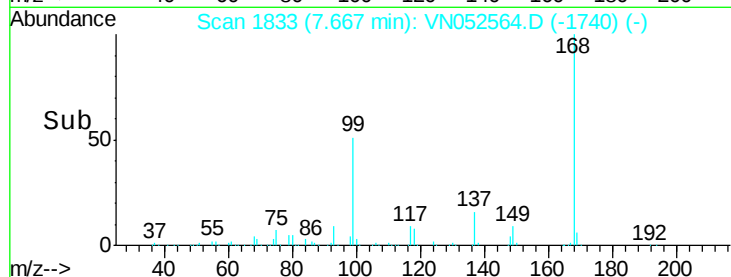
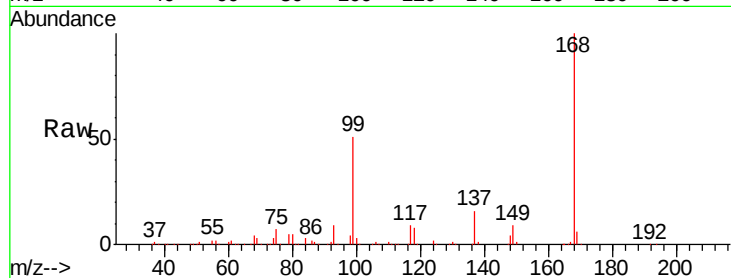
PB115155ZHE#03

Tgt Ion:168 Resp: 1288270

Ion Ratio Lower Upper

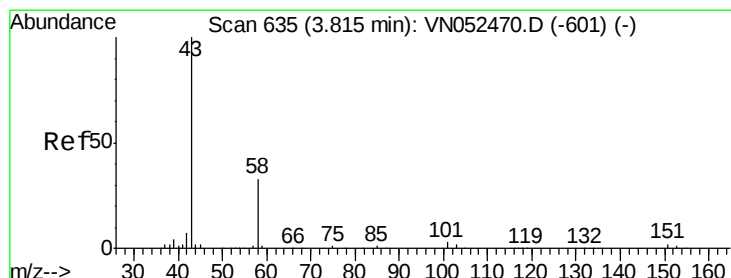
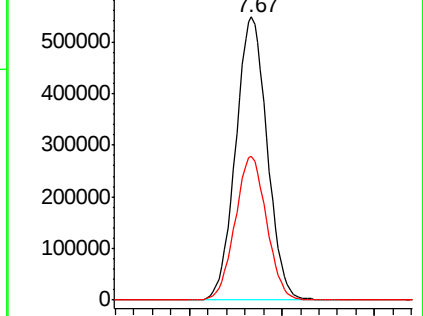
168 100

99 50.8 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 9.320 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052564.D

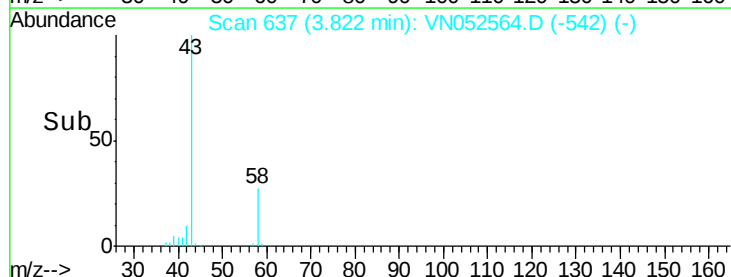
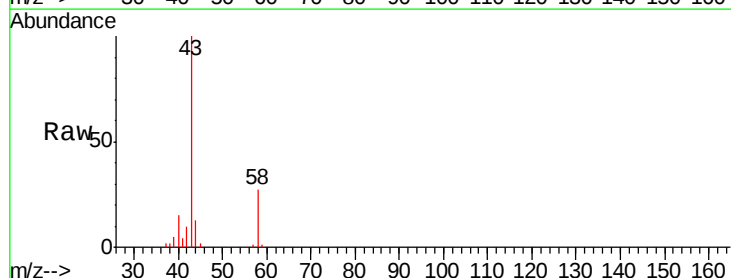
Acq: 29 Nov 2018 14:52

Tgt Ion: 43 Resp: 34481

Ion Ratio Lower Upper

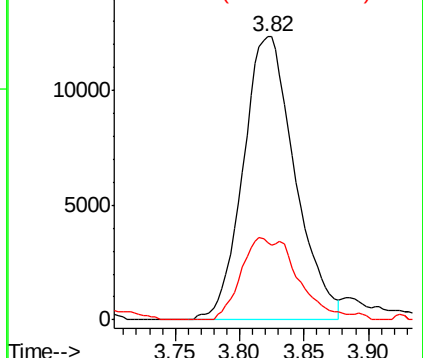
43 100

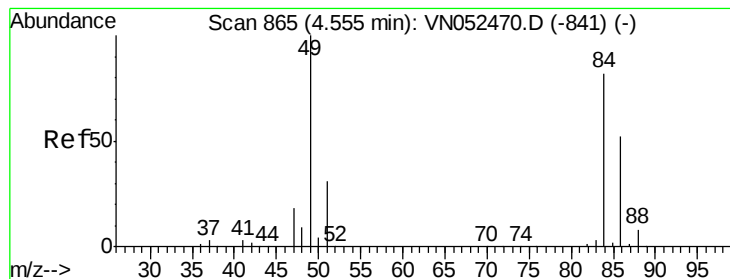
58 27.3 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#20

Methylene Chloride

Concen: 2.314 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

Tgt Ion: 84 Resp: 33503

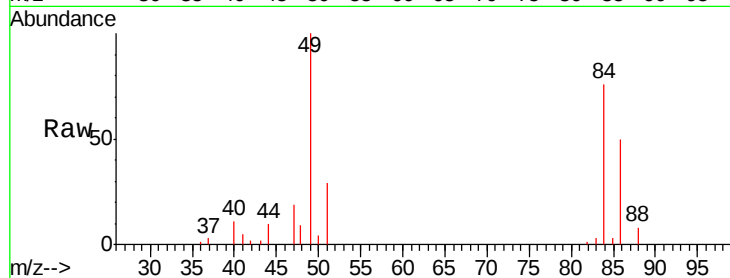
Ion Ratio Lower Upper

84 100

49 130.5 98.0 147.0

51 38.8 30.1 45.1

86 65.9 50.7 76.1

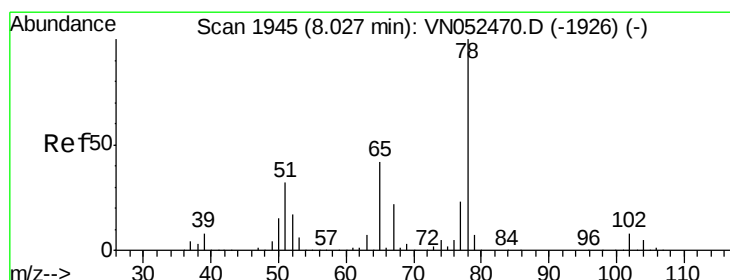
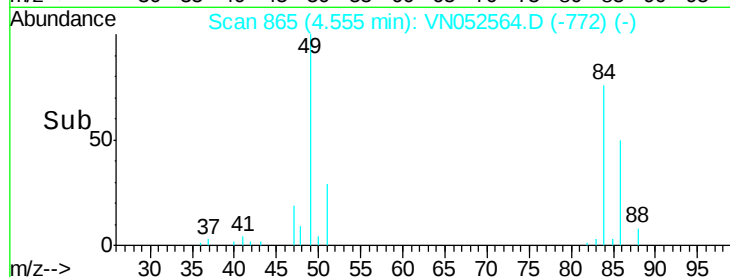
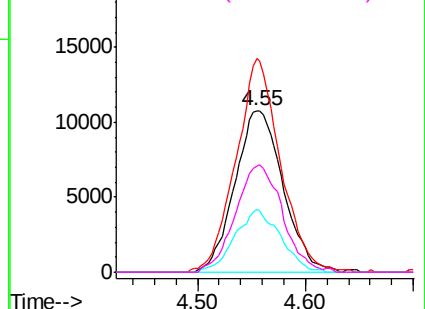


Abundance Ion 83.90 (83.60 to 84.60): VN0

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# 1945

Delta R.T. 0.00 min

Lab File: VN052564.D

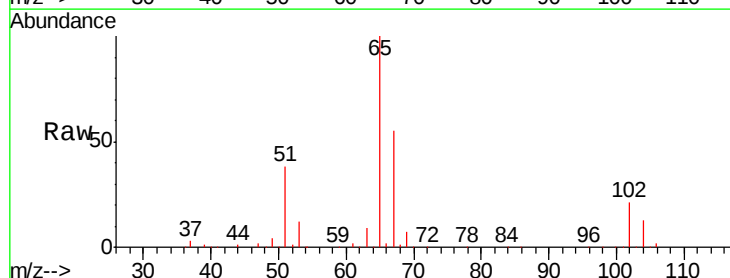
Acq: 29 Nov 2018 14:52

Tgt Ion: 65 Resp: 670355

Ion Ratio Lower Upper

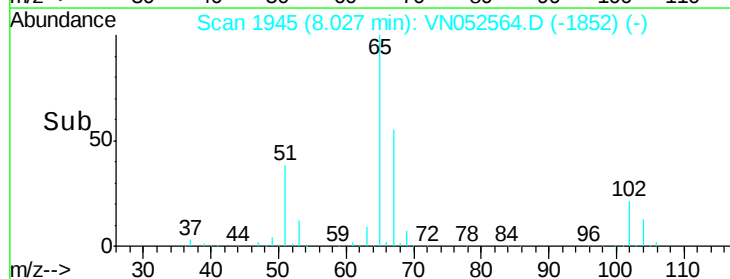
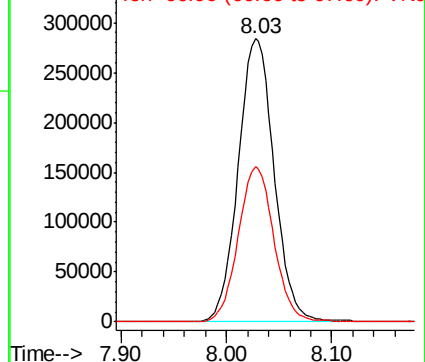
65 100

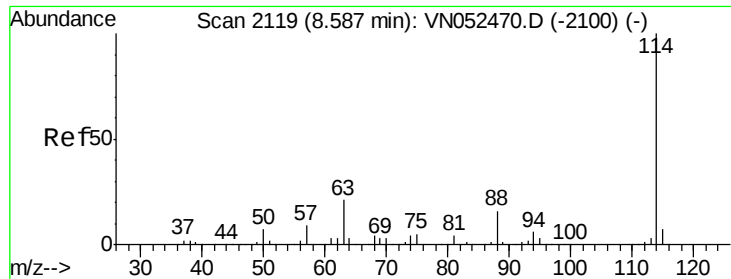
67 54.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

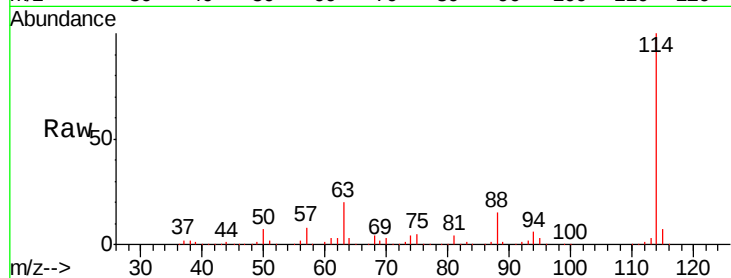




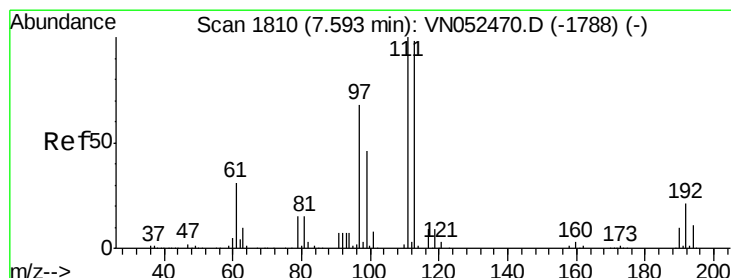
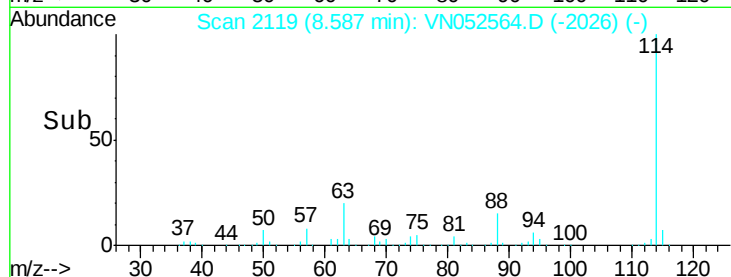
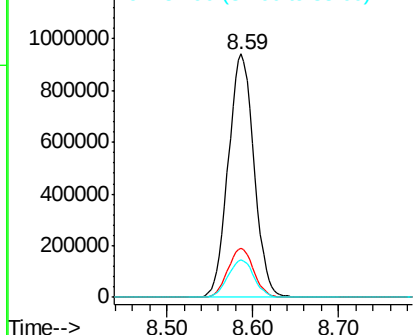
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052564.D
 Acq: 29 Nov 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115155ZHE#03

Tgt Ion:114 Resp: 1955973
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.4 0.0 31.6

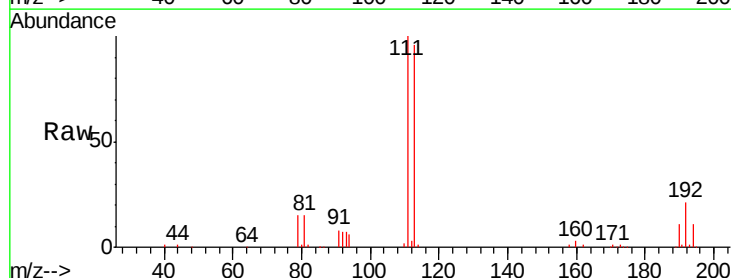


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

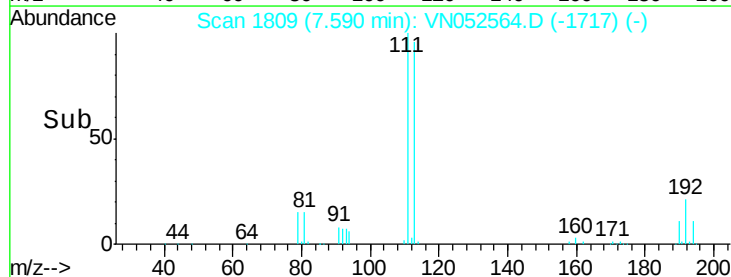
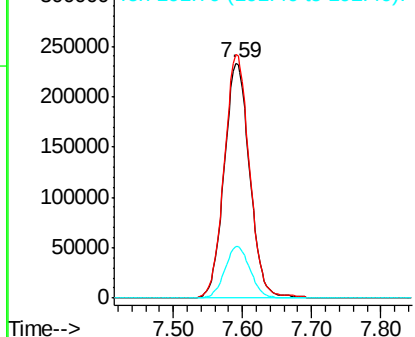


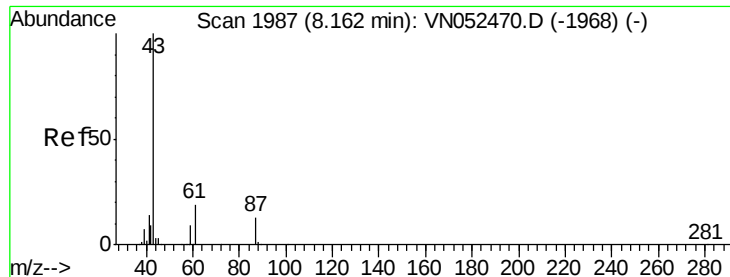
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052564.D
 Acq: 29 Nov 2018 14:52

Tgt Ion:113 Resp: 599771
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 21.8 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: 2.539 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

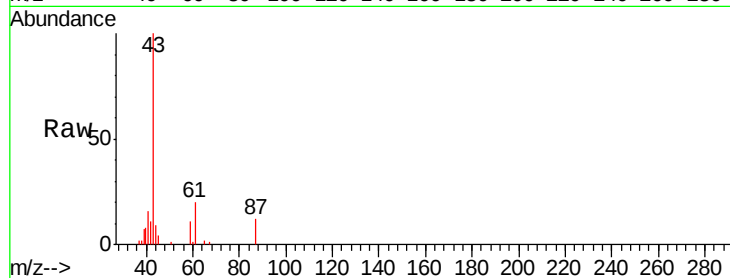
Tgt Ion: 43 Resp: 48440

Ion Ratio Lower Upper

43 100

61 19.4 24.1 36.1#

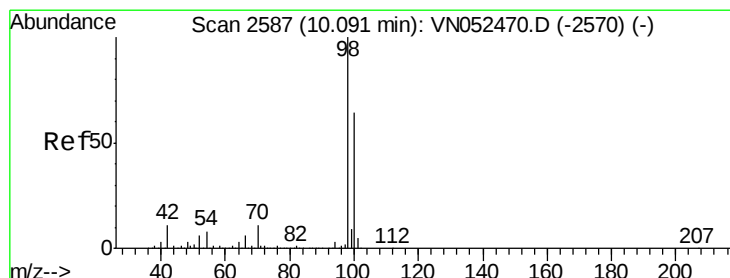
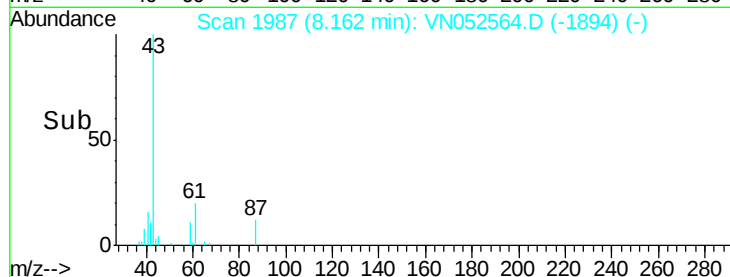
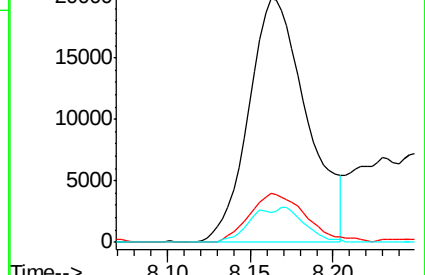
87 5.8 10.6 15.8#



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: VN052564.D

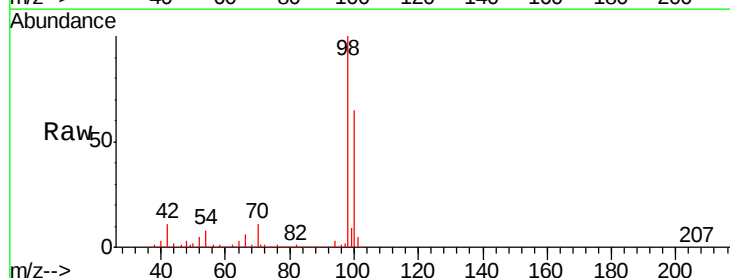
Acq: 29 Nov 2018 14:52

Tgt Ion: 98 Resp: 2388099

Ion Ratio Lower Upper

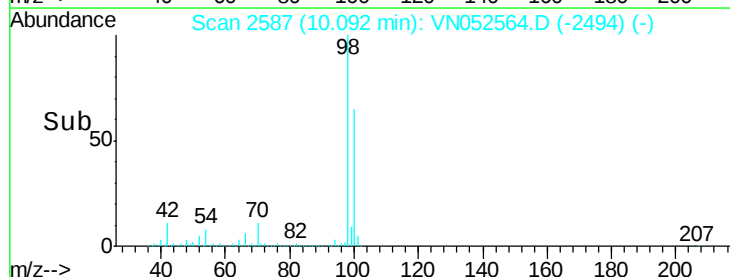
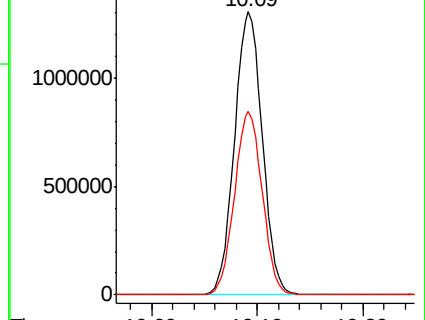
98 100

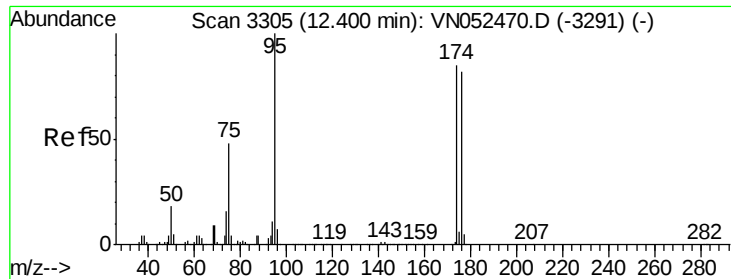
100 64.5 51.3 76.9



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: VN052564.D

Acq: 29 Nov 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

PB115155ZHE#03

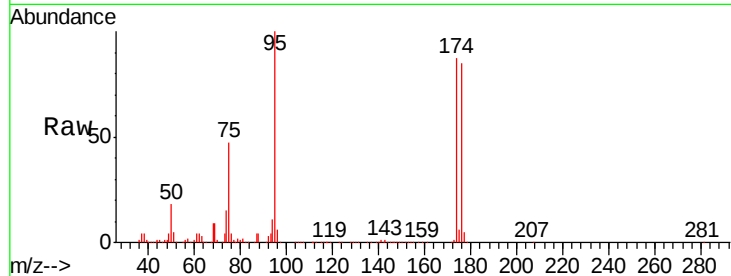
Tgt Ion: 95 Resp: 760027

Ion Ratio Lower Upper

95 100

174 87.3 0.0 173.0

176 85.4 0.0 166.2

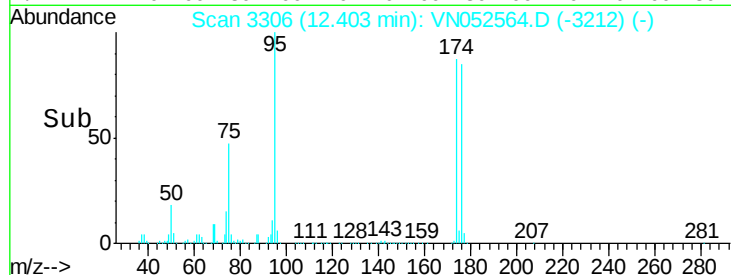


Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

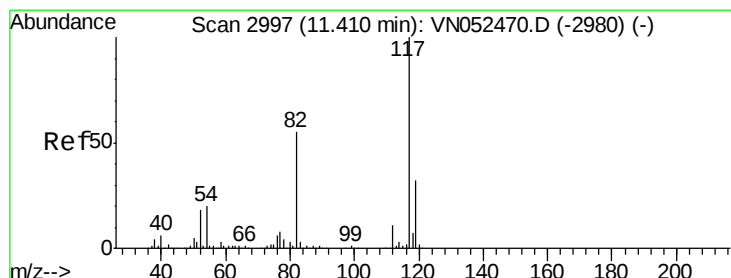
Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

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

Time--> 12.30 12.40 12.50



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

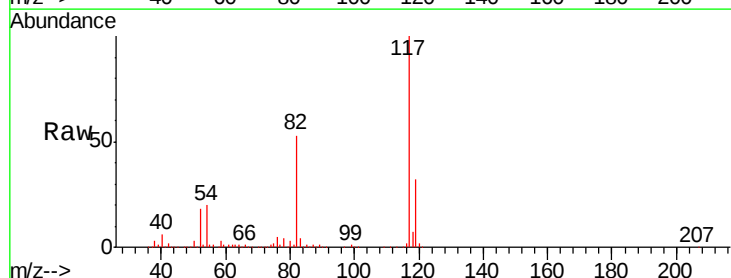
Tgt Ion: 117 Resp: 1720547

Ion Ratio Lower Upper

117 100

82 53.3 43.6 65.4

119 31.9 25.4 38.2

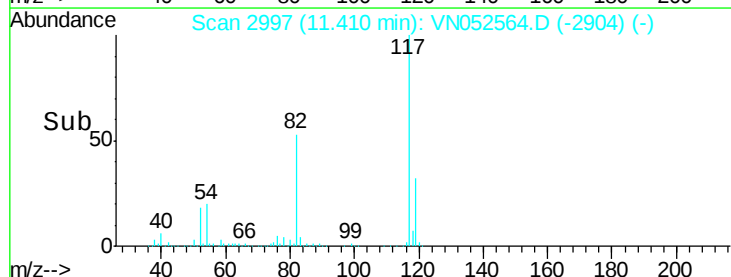


Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)

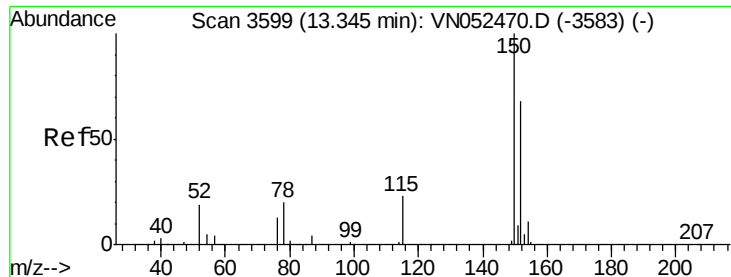
Ion 82.00 (81.70 to 82.70): VN052470.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052470.D (-2980) (-)

Time--> 11.30 11.40 11.50



Time--> 11.30 11.40 11.50



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052564.D

Acq: 29 Nov 2018 14:52

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PB115155ZHE#03

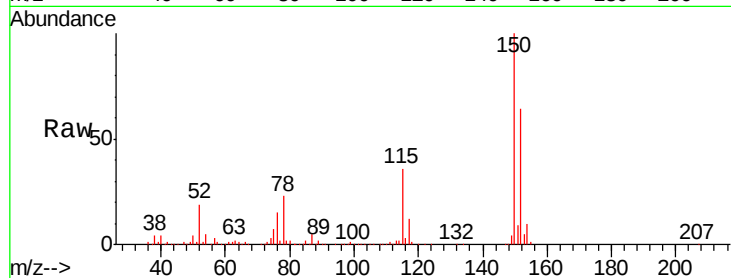
Tgt Ion:152 Resp: 661659

Ion Ratio Lower Upper

152 100

115 56.7 28.4 85.2

150 155.3 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

