

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053547.D
 Acq On : 28 Jan 2019 15:55
 Operator : JC/SP
 Sample : PB116640ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB116640ZHE#03

Quant Time: Jan 29 08:27:15 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

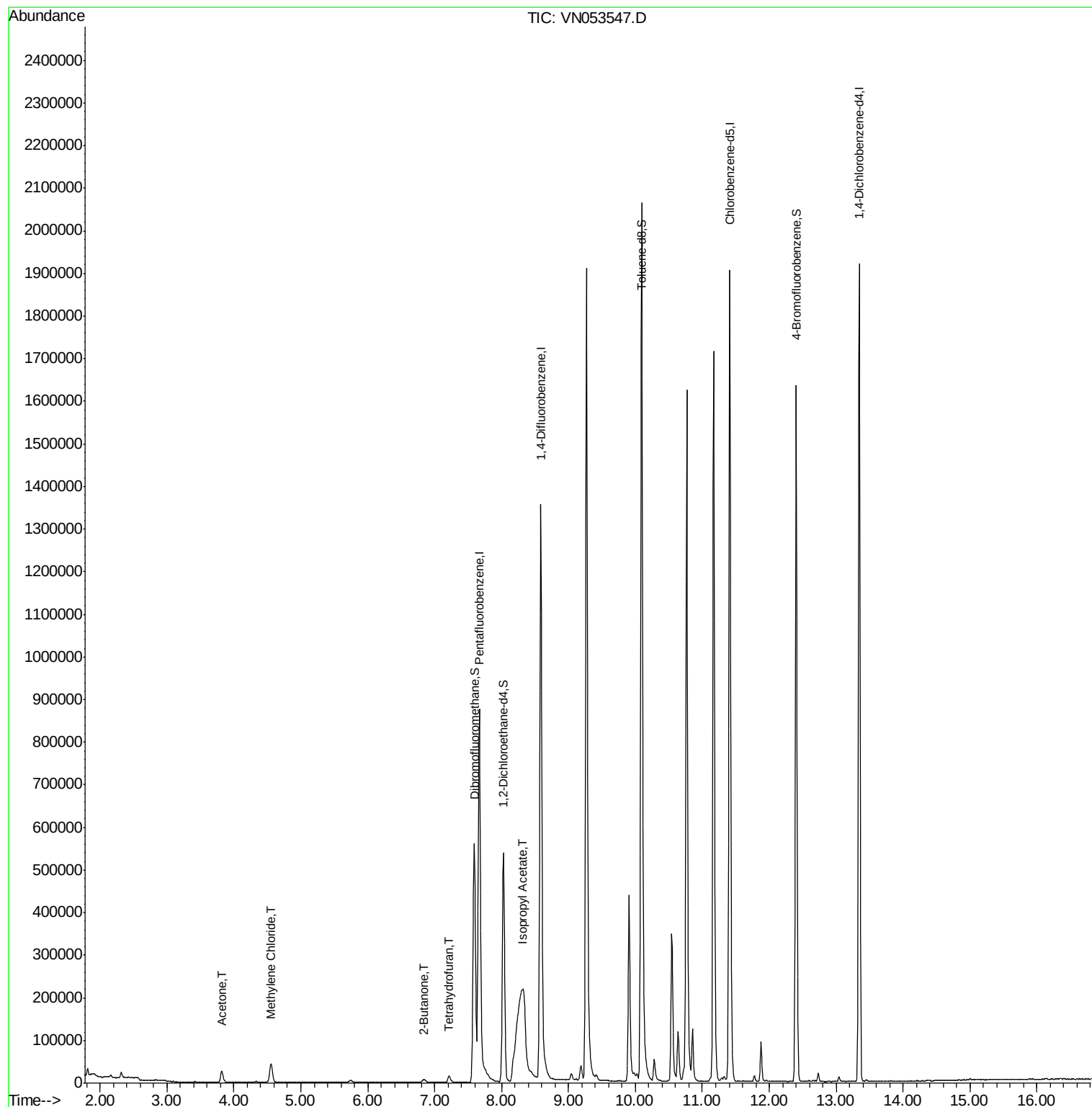
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	877725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1409994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1277629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	561822	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	453304	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
35) Dibromofluoromethane	7.59	113	440198	54.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.40%	
50) Toluene-d8	10.09	98	1695673	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	571930	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
Target Compounds						
16) Acetone	3.82	43	46307	22.751	ug/l	96
20) Methylene Chloride	4.56	84	34193	3.680	ug/l	94
25) 2-Butanone	6.84	43	12848	4.096	ug/l	94
29) Tetrahydrofuran	7.21	42	13447	6.585	ug/l #	82
43) Isopropyl Acetate	8.31	43	455841	34.315	ug/l #	51

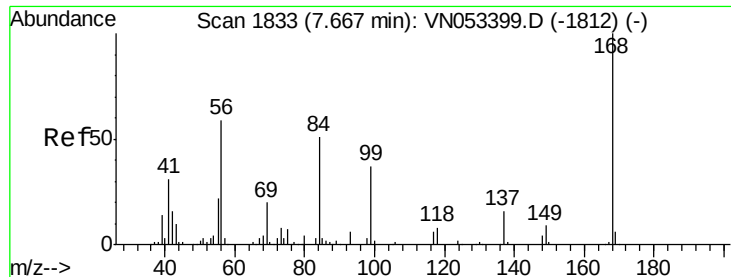
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

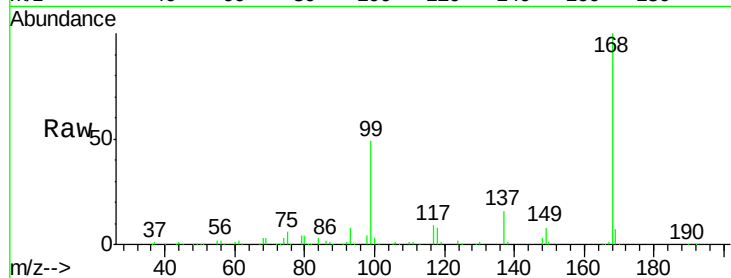
PB116640ZHE#03

Tot Ion:168 Resp: 877725

Ion Ratio Lower Upper

168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

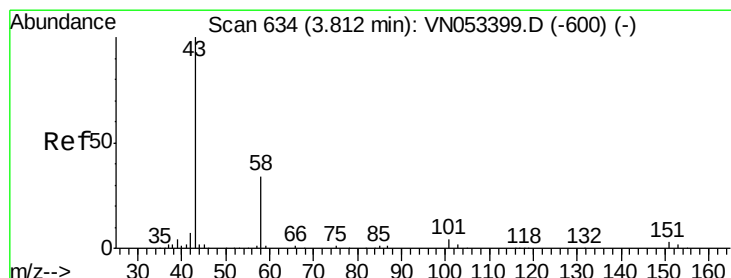
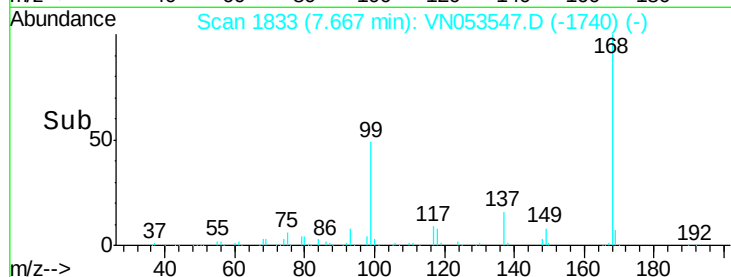
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 22.751 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053547.D

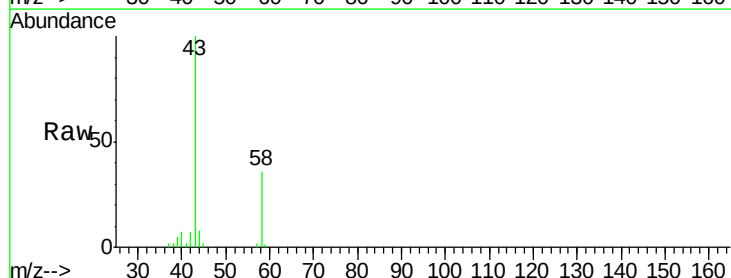
Acq: 28 Jan 2019 15:55

Tgt Ion: 43 Resp: 46307

Ion Ratio Lower Upper

43 100

58 36.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

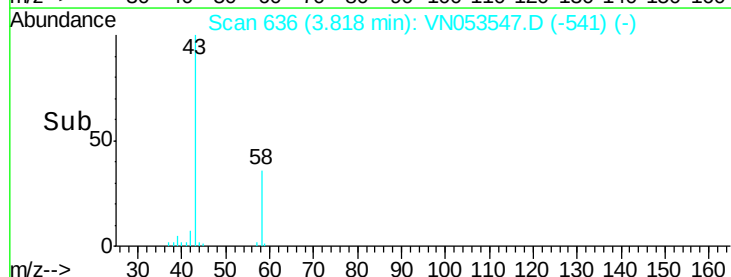
15000

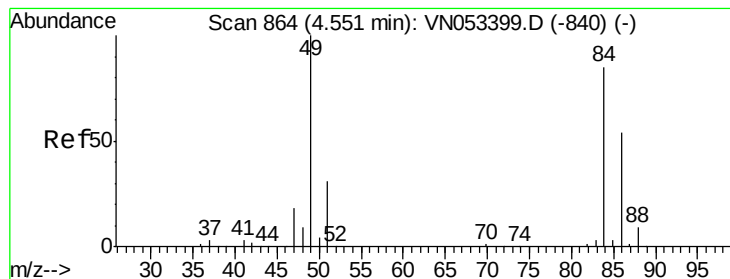
10000

5000

0

Time--> 3.70 3.80 3.90





#20

Methvlene Chloride

Concen: 3.680 ug/l

RT: 4.56 min Scan# 867

Delta R.T. 0.01 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

PB116640ZHE#03

Tot Ion: 84 Resp: 34193

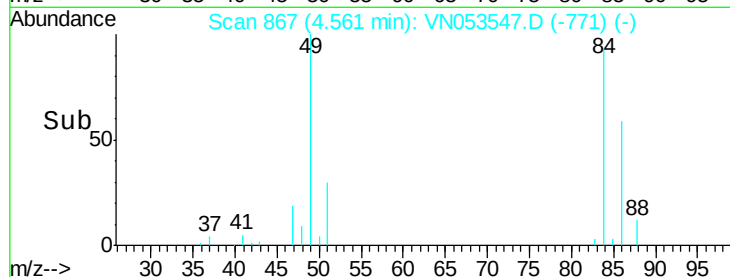
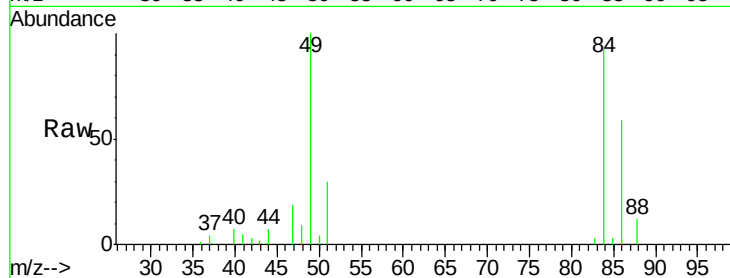
Ion Ratio Lower Upper

84 100

49 107.9 94.3 141.5

51 32.7 29.4 44.2

86 63.2 51.4 77.0

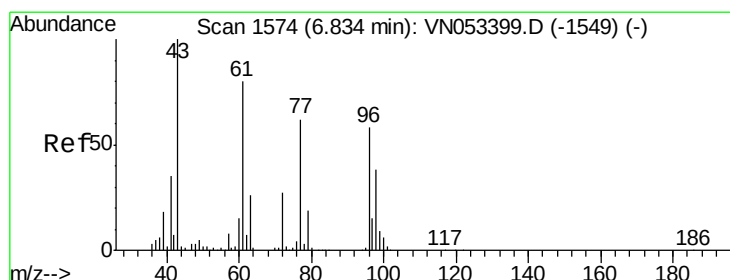
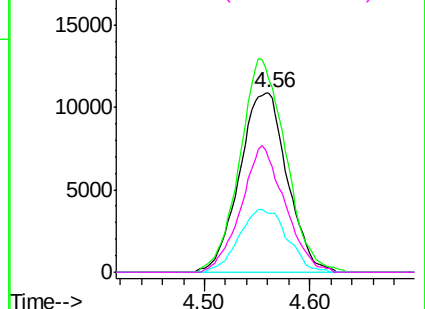


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#25

2-Butanone

Concen: 4.096 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053547.D

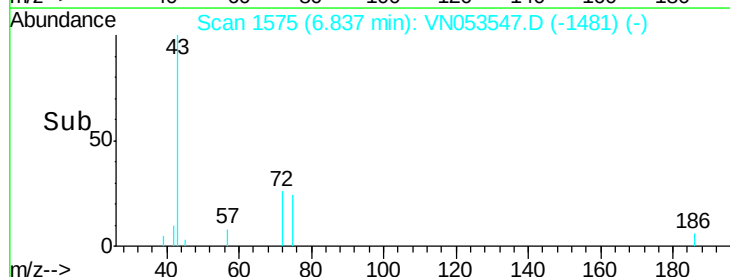
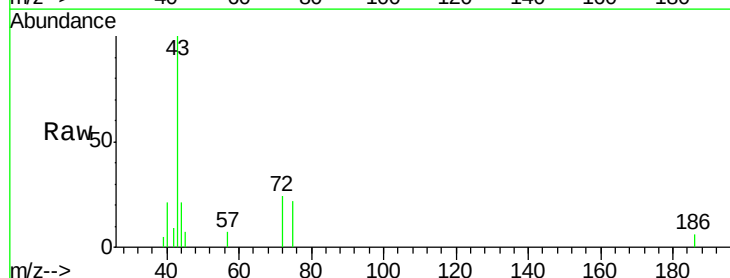
Acq: 28 Jan 2019 15:55

Tgt Ion: 43 Resp: 12848

Ion Ratio Lower Upper

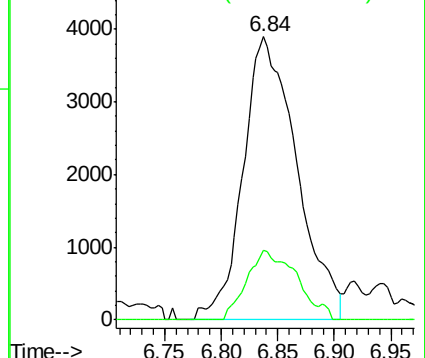
43 100

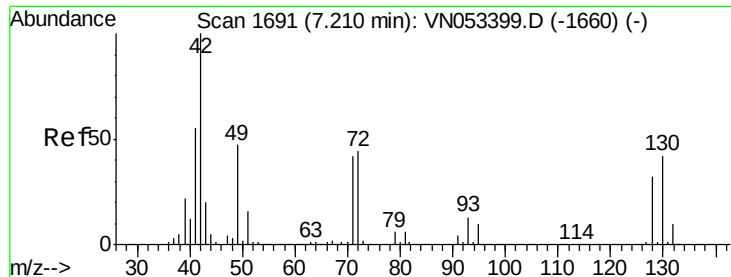
72 24.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 6.585 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

PB116640ZHE#03

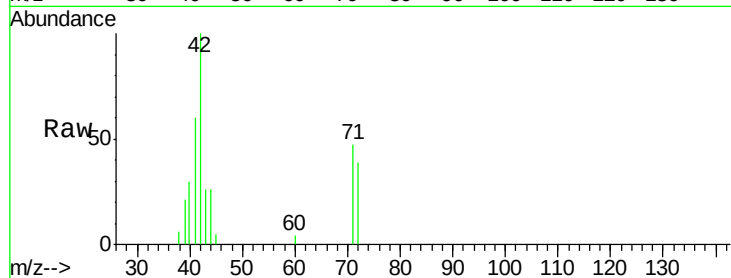
Tot Ion: 42 Resp: 13447

Ion Ratio Lower Upper

42 100

72 21.6 35.2 52.8#

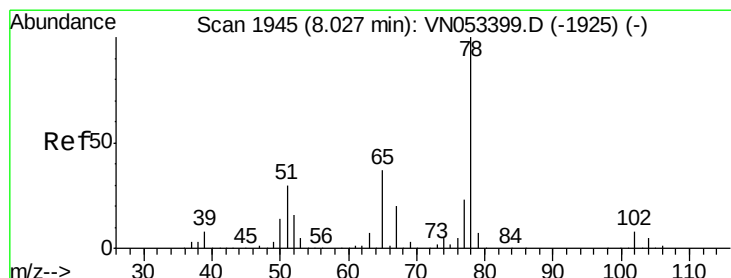
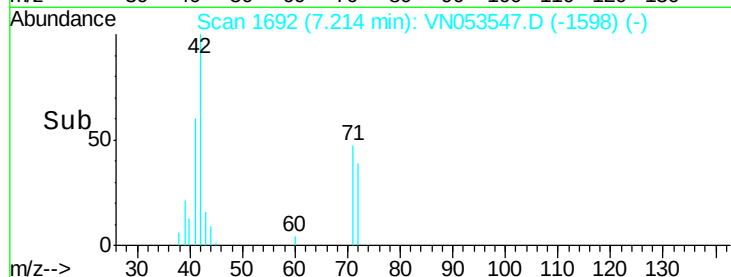
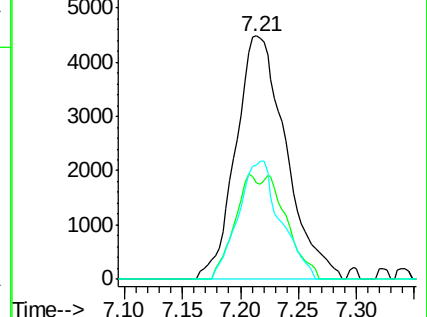
71 41.2 33.0 49.4



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053547.D

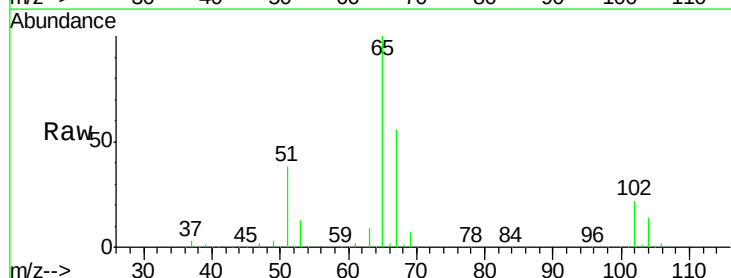
Acq: 28 Jan 2019 15:55

Tgt Ion: 65 Resp: 453304

Ion Ratio Lower Upper

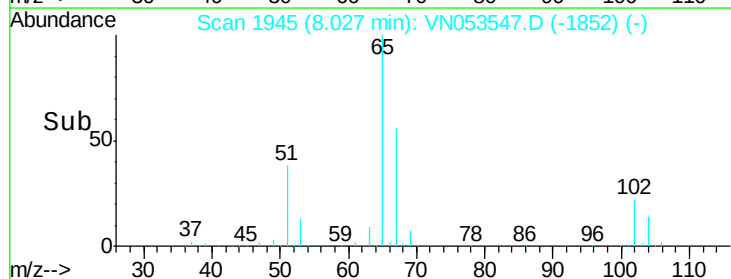
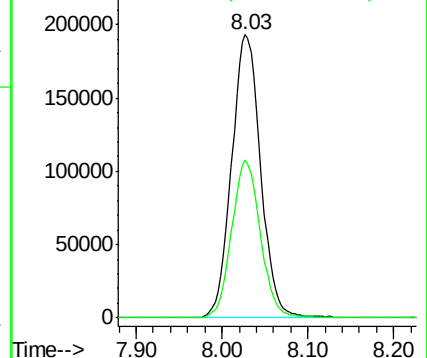
65 100

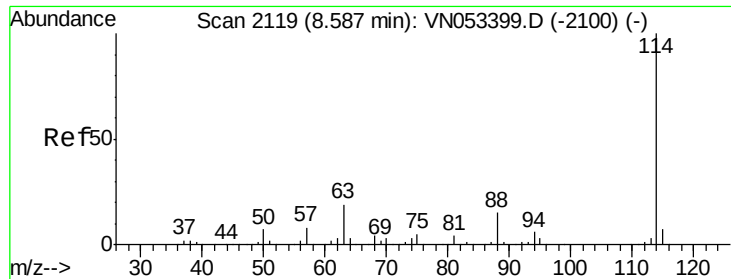
67 55.2 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

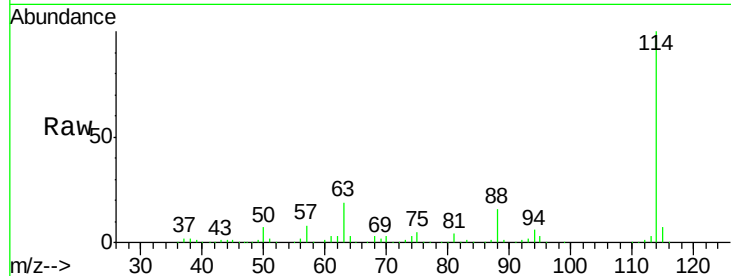




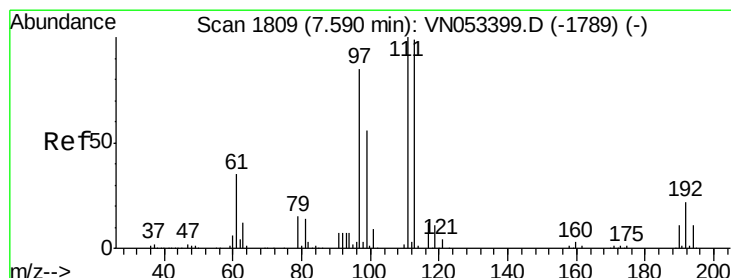
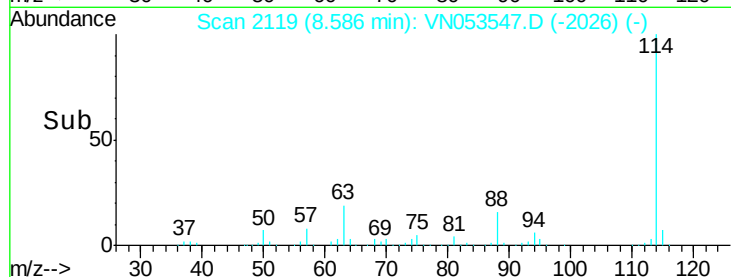
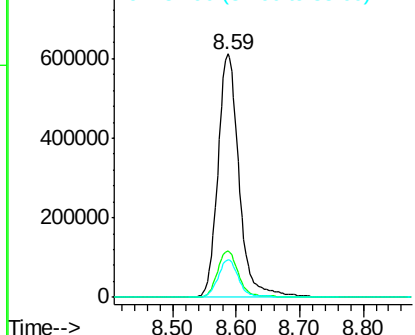
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Instrument :
MSVOA_N
ClientSampleId :
PB116640ZHE#03

Tot Ion:114 Resp: 1409994
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.6
88 15.6 0.0 30.4

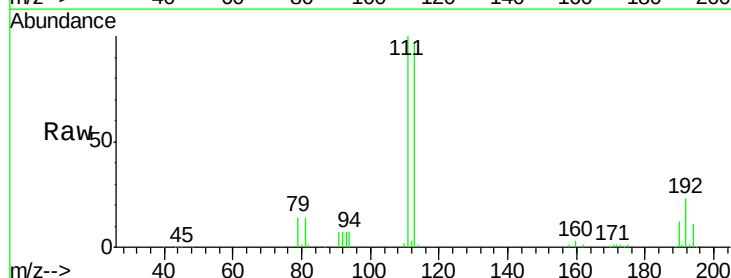


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

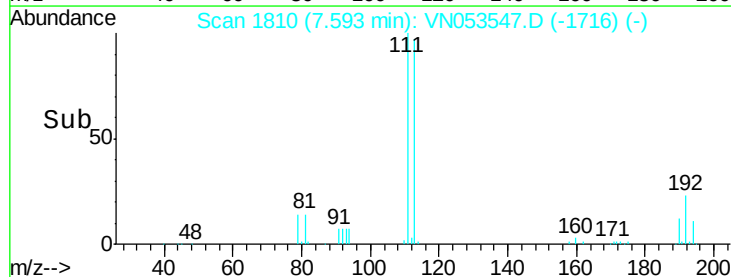
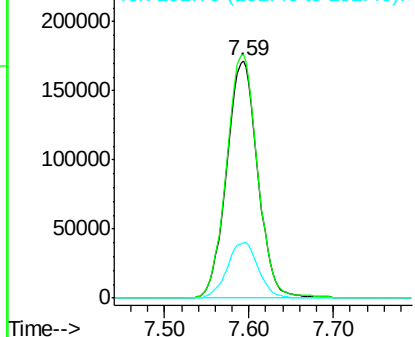


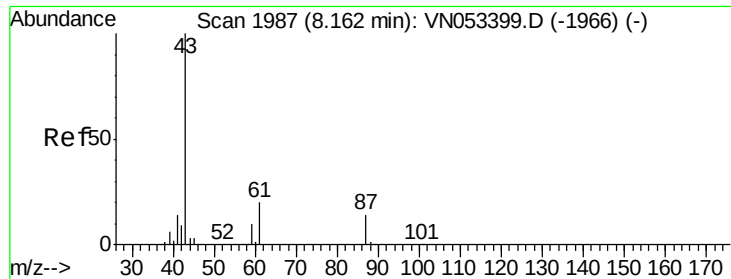
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053547.D
Acq: 28 Jan 2019 15:55

Tgt Ion:113 Resp: 440198
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 23.6 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: 34.315 ug/l

RT: 8.31 min Scan# 2033

Delta R.T. 0.15 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

PB116640ZHE#03

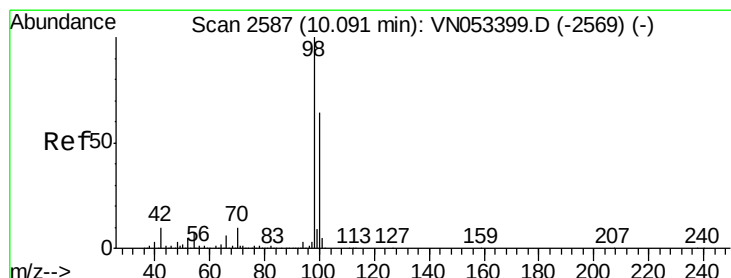
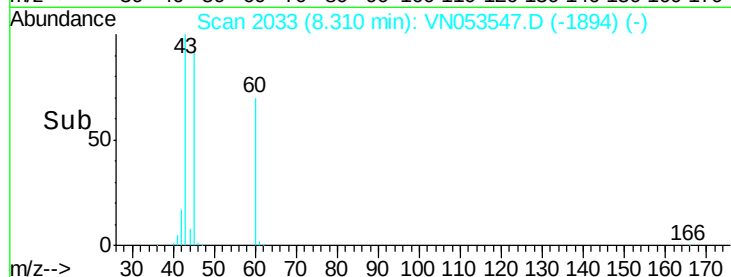
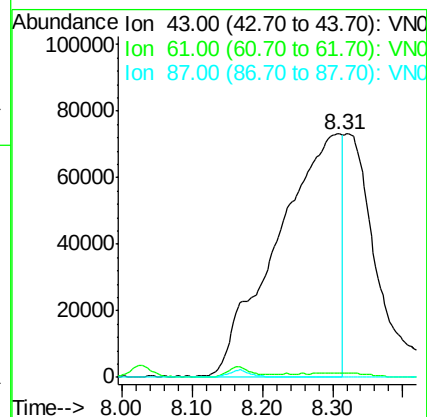
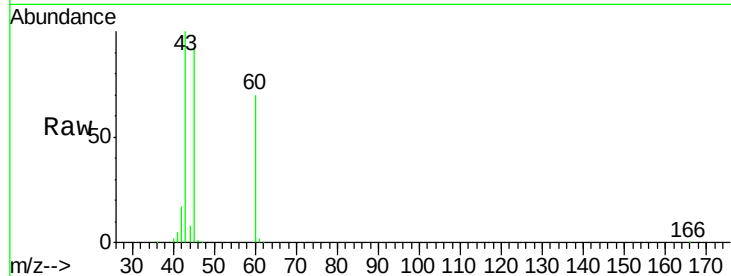
Tot Ion: 43 Resp: 455841

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 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: VN053547.D

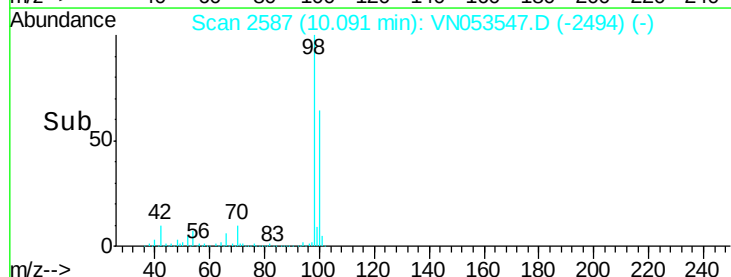
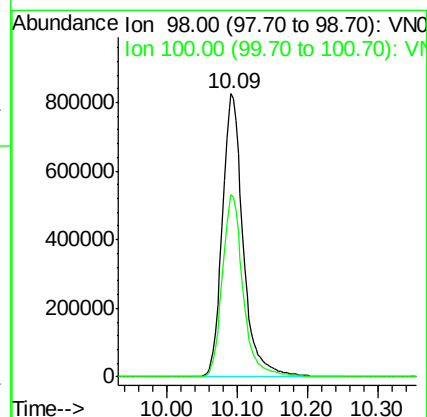
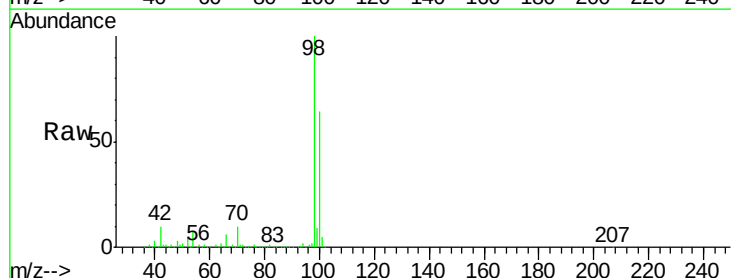
Acq: 28 Jan 2019 15:55

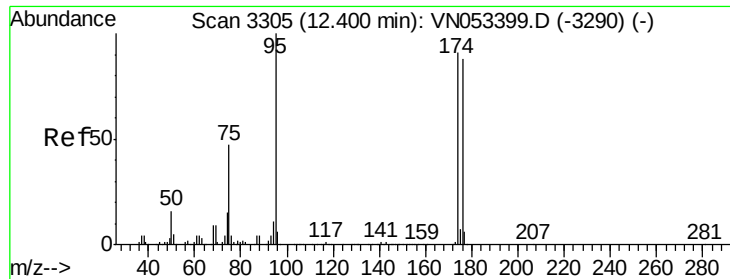
Tgt Ion: 98 Resp: 1695673

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# 3306

Delta R.T. 0.00 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

PB116640ZHE#03

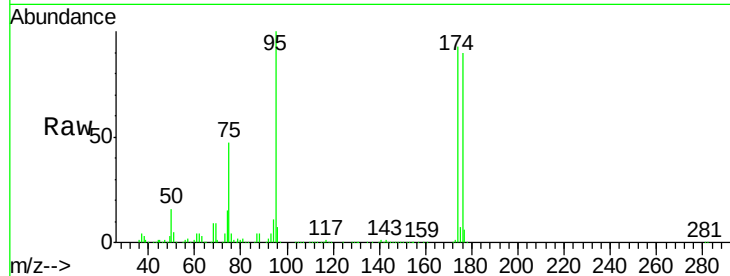
Tot Ion: 95 Resp: 571930

Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.2

176 89.7 0.0 177.4

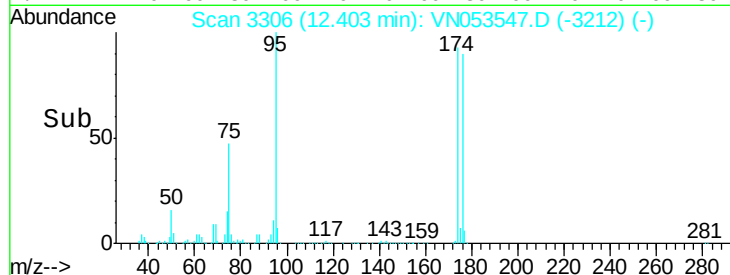


Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

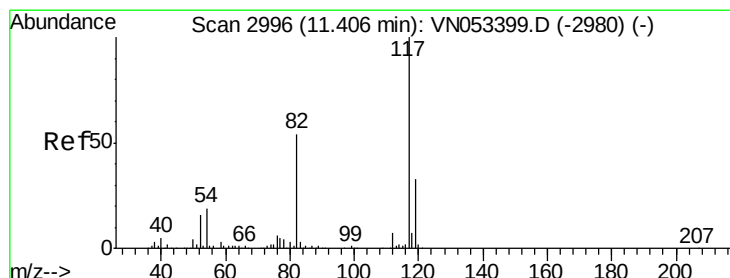
Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

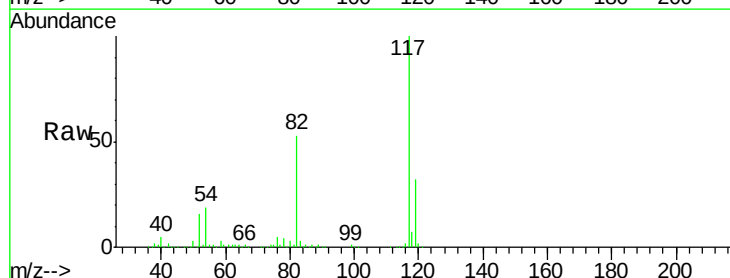
Tgt Ion: 117 Resp: 1277629

Ion Ratio Lower Upper

117 100

82 52.7 42.9 64.3

119 31.6 26.0 39.0

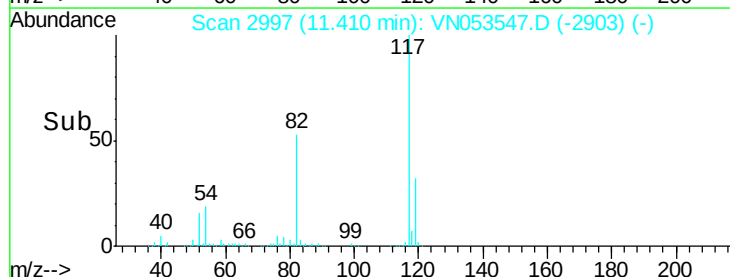


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

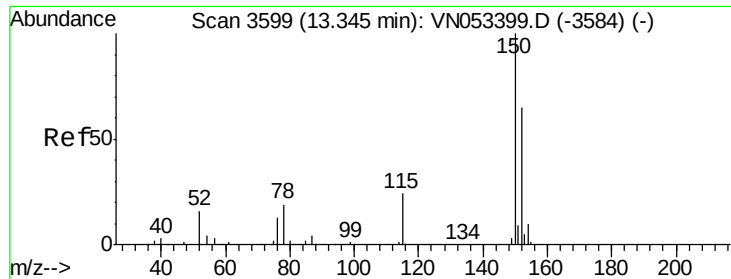
Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN053547.D

Acq: 28 Jan 2019 15:55

Instrument :

MSVOA_N

ClientSampleId :

PB116640ZHE#03

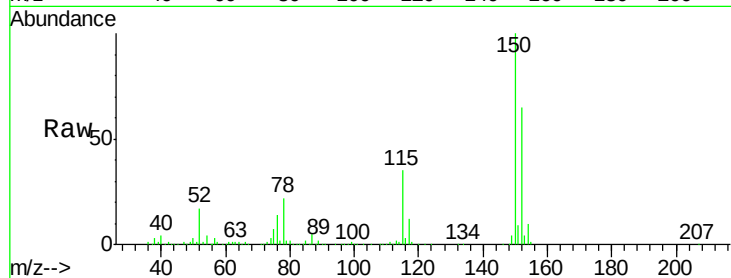
Tot Ion:152 Resp: 561822

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

150 154.8 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

