

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055149.D
 Acq On : 19 Apr 2019 19:56
 Operator : JC/SP
 Sample : K2201-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-01-041819-E

Quant Time: Apr 20 04:53:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

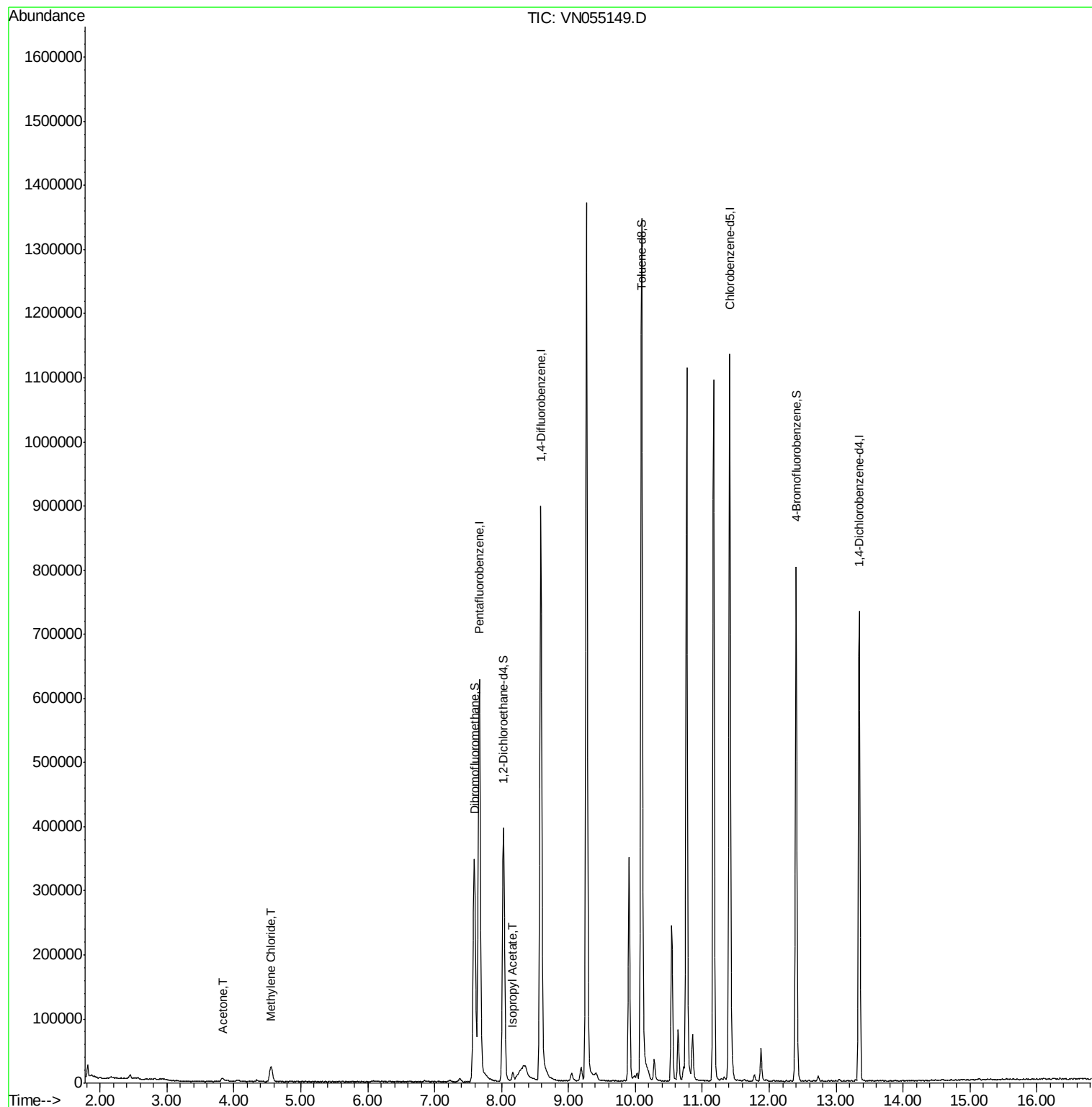
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	534061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	671536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	198019	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	338166	47.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.28%	
35) Dibromofluoromethane	7.59	113	264099	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	10.09	98	977709	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.40	95	270933	41.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.32%	
Target Compounds						
16) Acetone	3.82	43	10196	5.292	ug/l	97
20) Methylene Chloride	4.55	84	16451	2.429	ug/l	87
43) Isopropyl Acetate	8.17	43	15915	1.609	ug/l	97

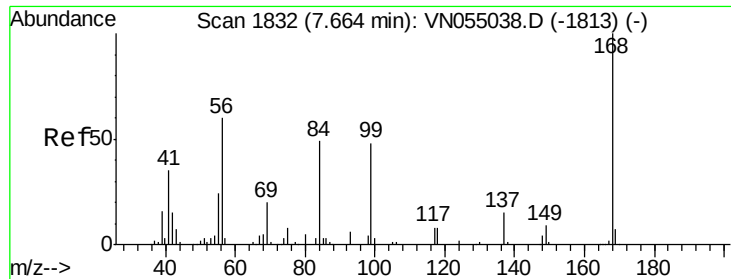
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055149.D

Acq: 19 Apr 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

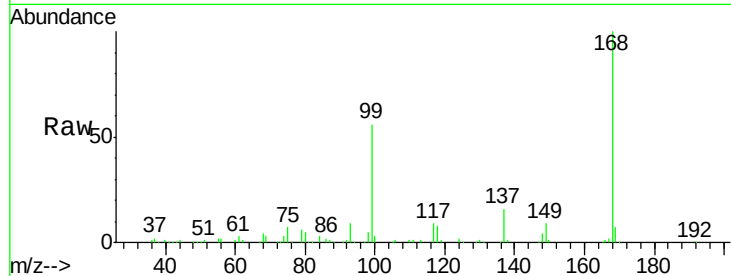
PL-01-041819-E

Tot Ion:168 Resp: 534061

Ion Ratio Lower Upper

168 100

99 55.6 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

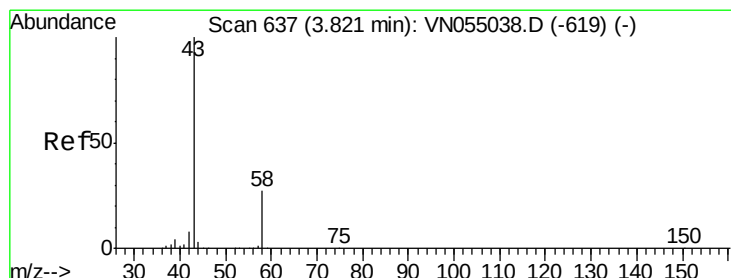
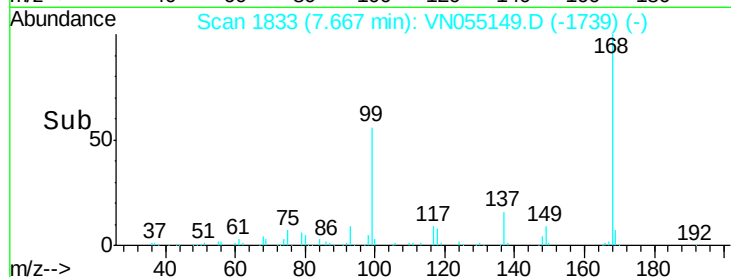
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.292 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055149.D

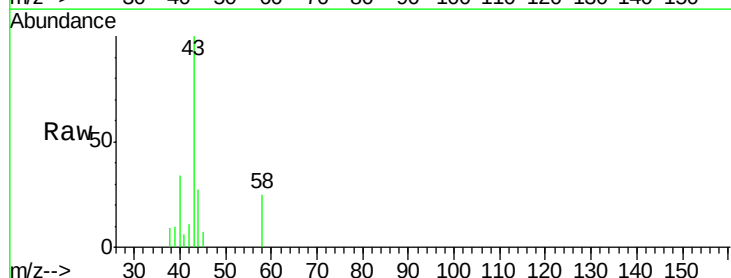
Acq: 19 Apr 2019 19:56

Tgt Ion: 43 Resp: 10196

Ion Ratio Lower Upper

43 100

58 24.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

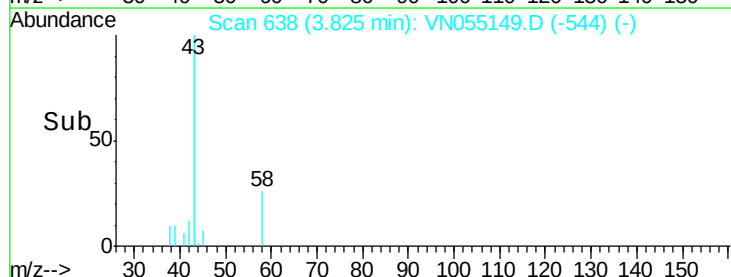
3000

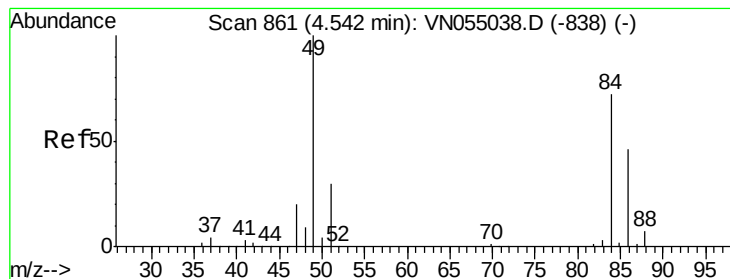
2000

1000

0

Time-->





#20

Methvlene Chloride

Concen: 2.429 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.01 min

Lab File: VN055149.D

Acq: 19 Apr 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

Tot Ion: 84 Resp: 16451

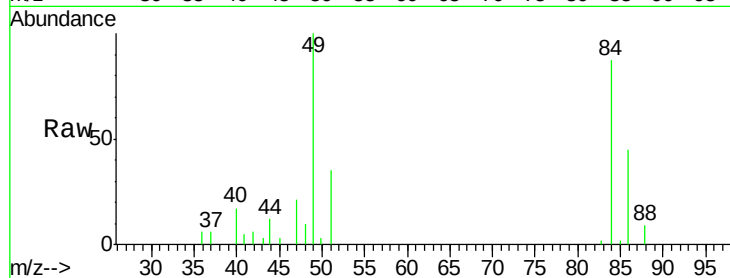
Ion Ratio Lower Upper

84 100

49 115.6 109.4 164.2

51 40.0 32.2 48.4

86 51.8 49.3 73.9

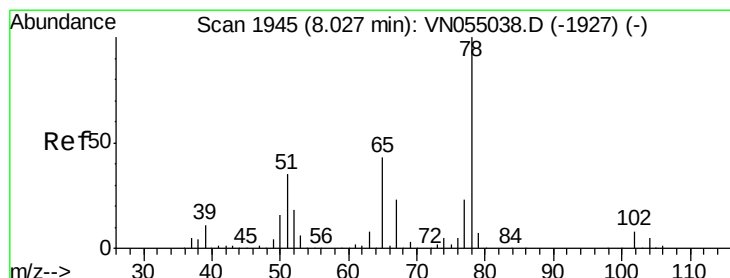
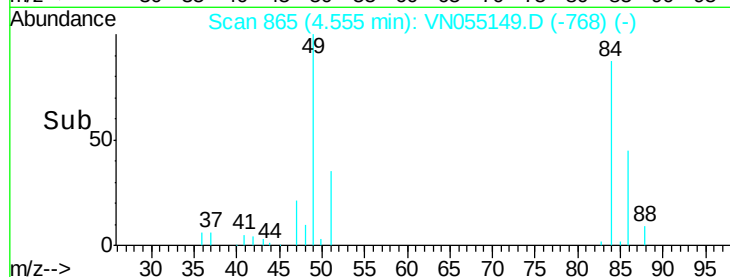
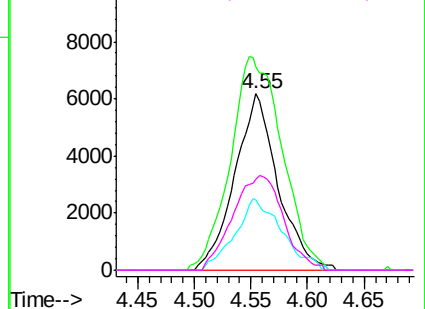


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 47.636 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055149.D

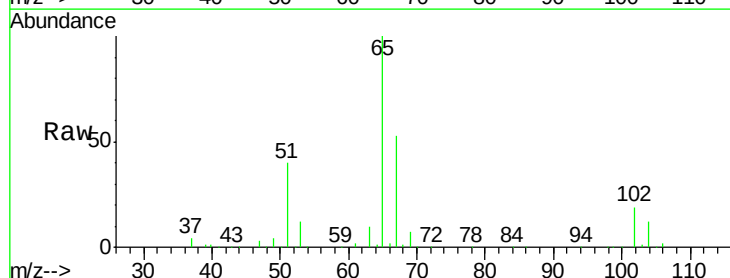
Acq: 19 Apr 2019 19:56

Tgt Ion: 65 Resp: 338166

Ion Ratio Lower Upper

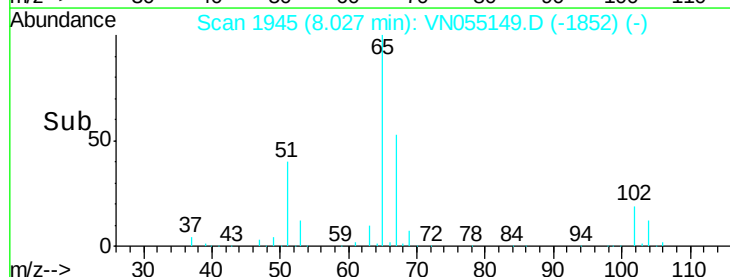
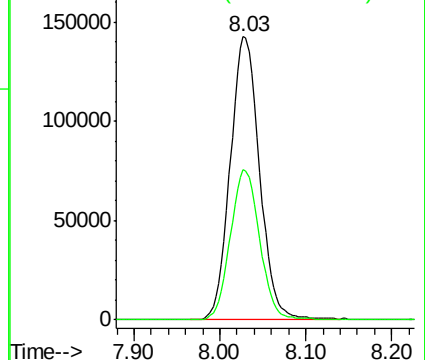
65 100

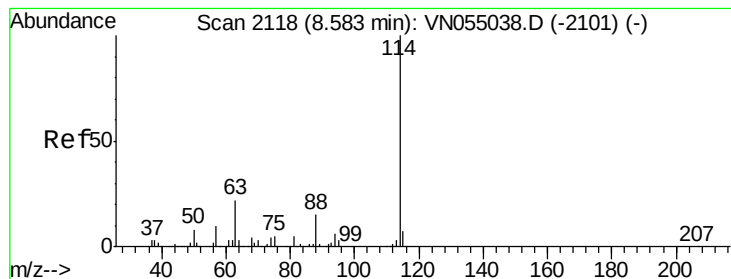
67 52.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055149.D

Acq: 19 Apr 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

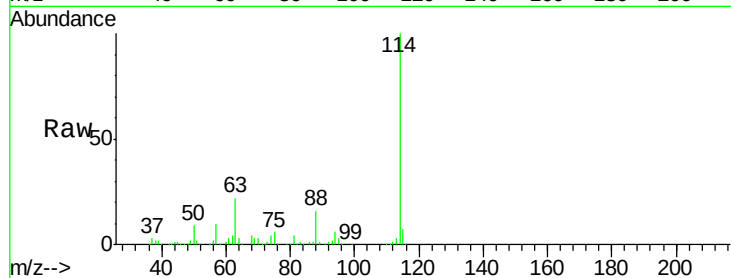
Tot Ion:114 Resp: 836405

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

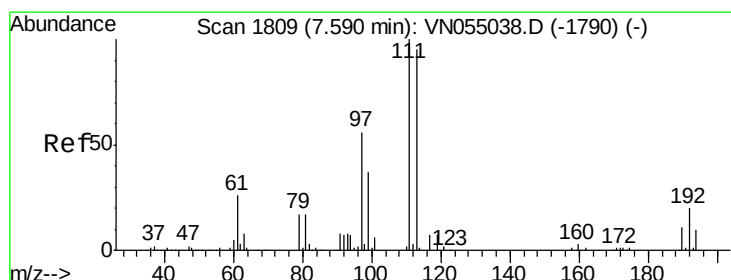
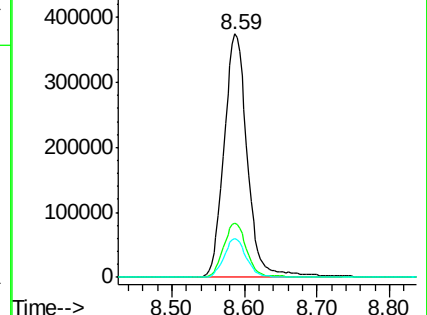
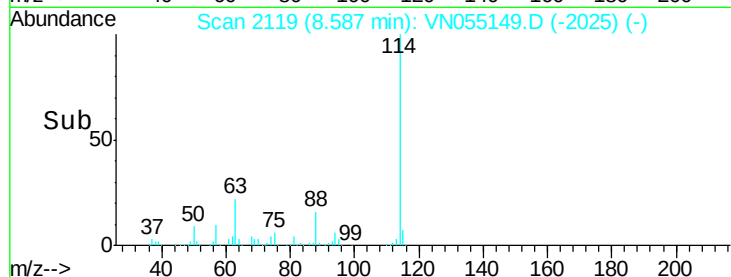
88 16.1 0.0 31.8



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: 47.247 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055149.D

Acq: 19 Apr 2019 19:56

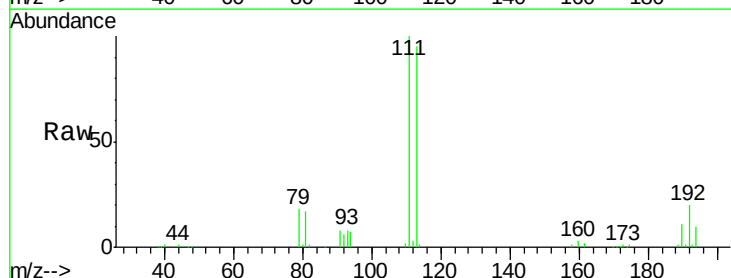
Tgt Ion:113 Resp: 264099

Ion Ratio Lower Upper

113 100

111 104.6 82.1 123.1

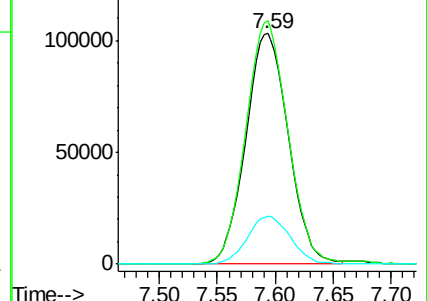
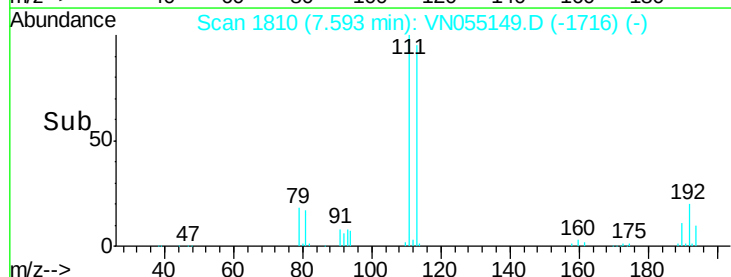
192 21.0 16.5 24.7

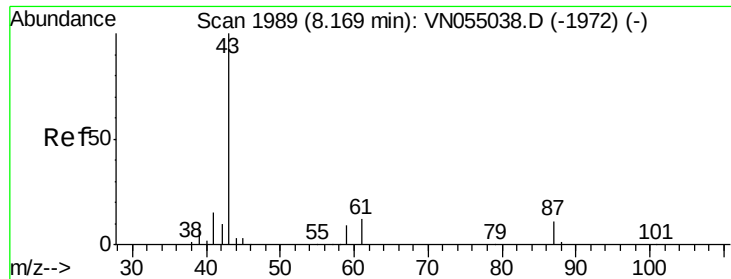


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.609 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055149.D

Acq: 19 Apr 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

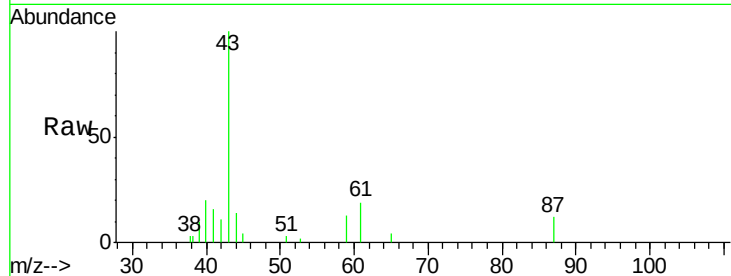
Tot Ion: 43 Resp: 15915

Ion Ratio Lower Upper

43 100

61 19.5 14.3 21.5

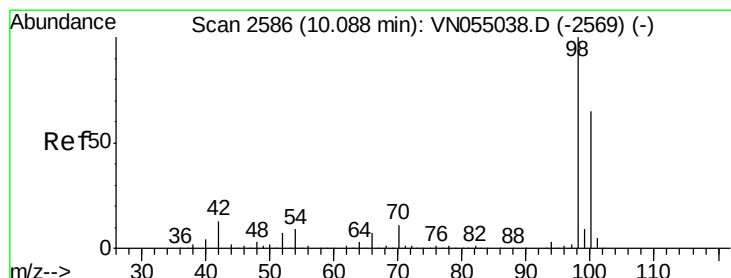
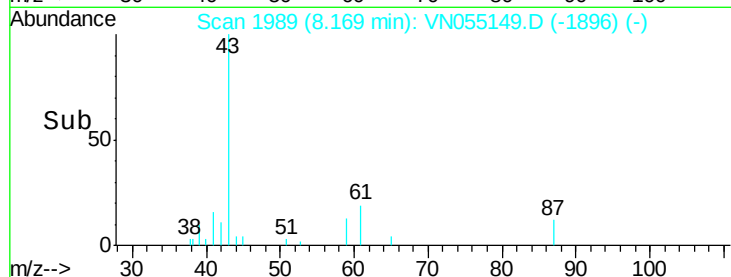
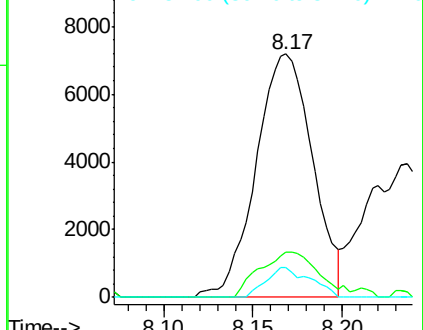
87 9.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055149.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN055149.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN055149.D (-1896) (-)



#50

Toluene-d8

Concen: 48.870 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055149.D

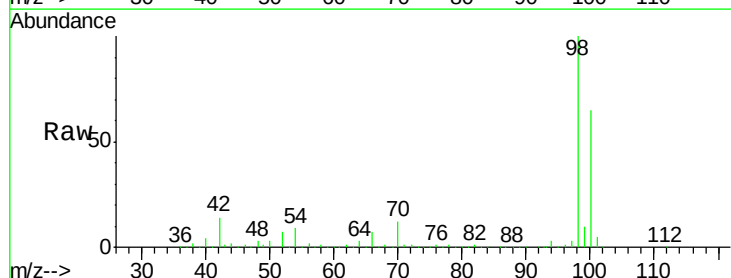
Acq: 19 Apr 2019 19:56

Tgt Ion: 98 Resp: 977709

Ion Ratio Lower Upper

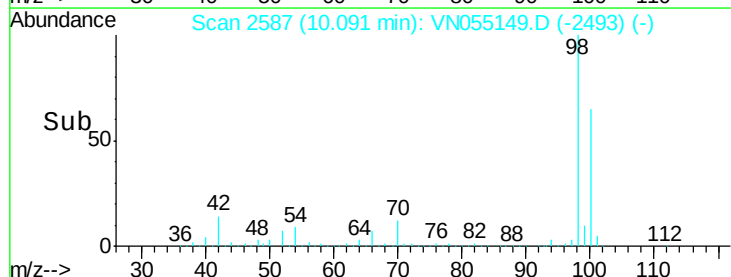
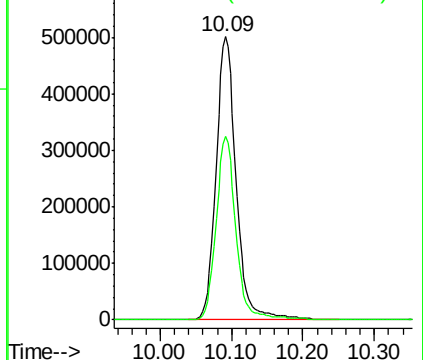
98 100

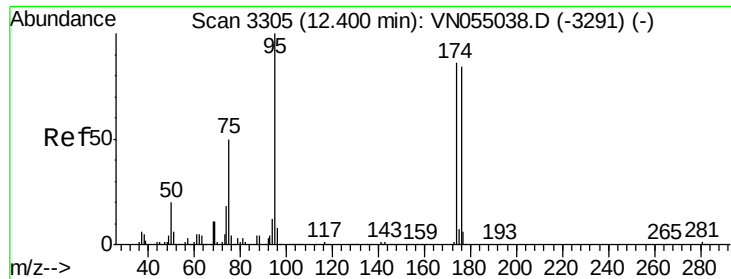
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055149.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN055149.D (-2493) (-)





#62

4-Bromofluorobenzene

Concen: 41.657 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055149.D

Acq: 19 Apr 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

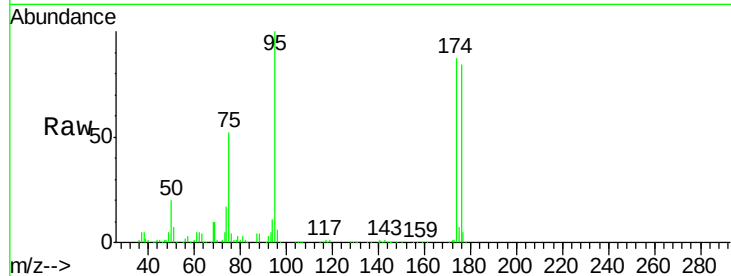
Tot Ion: 95 Resp: 270933

Ion Ratio Lower Upper

95 100

174 85.4 0.0 174.4

176 83.1 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055038.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055038.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055038.D (-3291) (-)

12.40

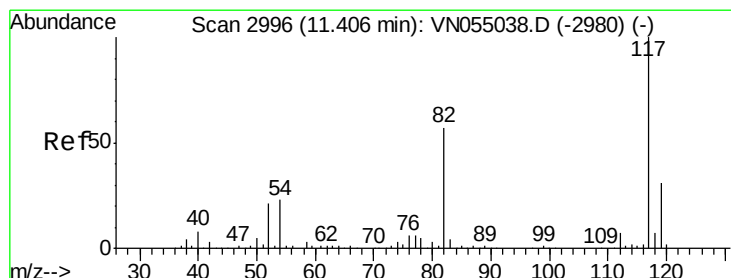
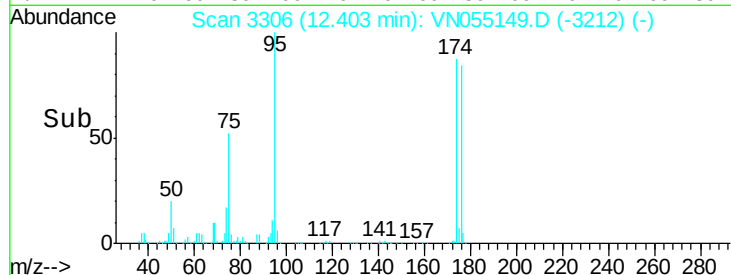
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055149.D

Acq: 19 Apr 2019 19:56

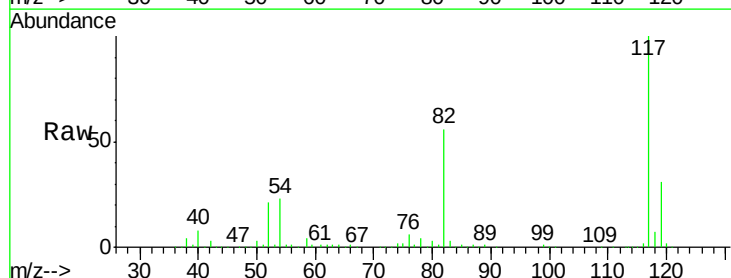
Tgt Ion: 117 Resp: 671536

Ion Ratio Lower Upper

117 100

82 55.6 44.6 66.8

119 31.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN055038.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055038.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055038.D (-2980) (-)

11.41

500000

400000

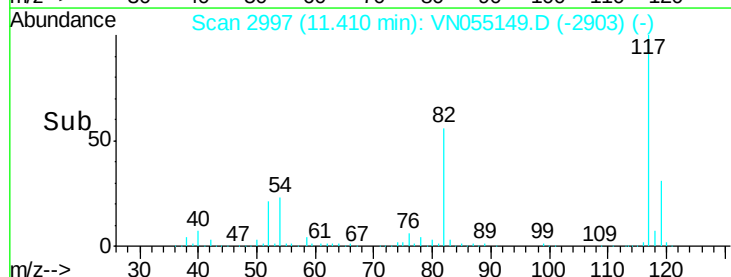
300000

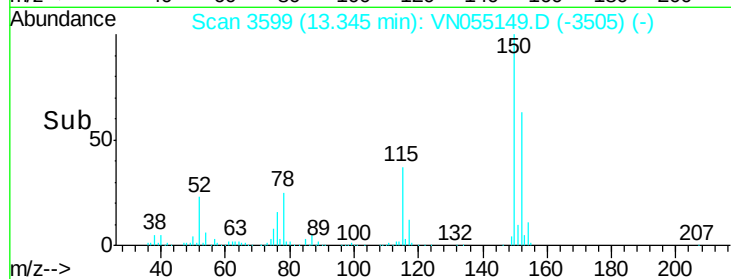
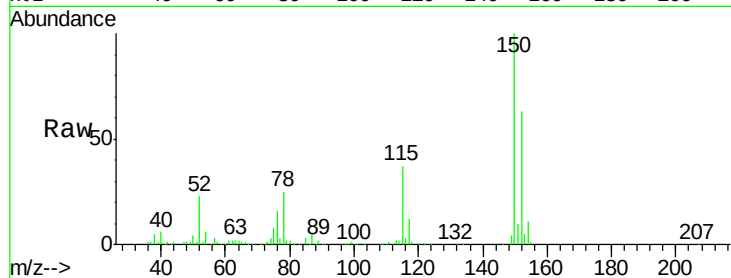
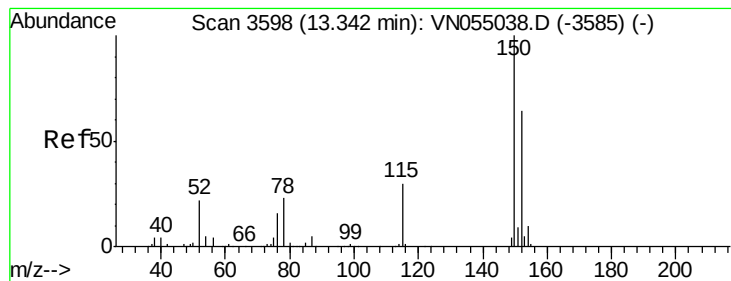
200000

100000

0

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: VN055149.D

Acq: 19 Apr 2019 19:56

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

Tot Ion:152 Resp: 198019

Ion Ratio Lower Upper

152 100

115 58.1 28.5 85.6

150 158.4 0.0 347.2

