

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055107.D
 Acq On : 17 Apr 2019 15:43
 Operator : JC/SP
 Sample : K2442-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-18-D

Quant Time: Apr 18 05:39:04 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

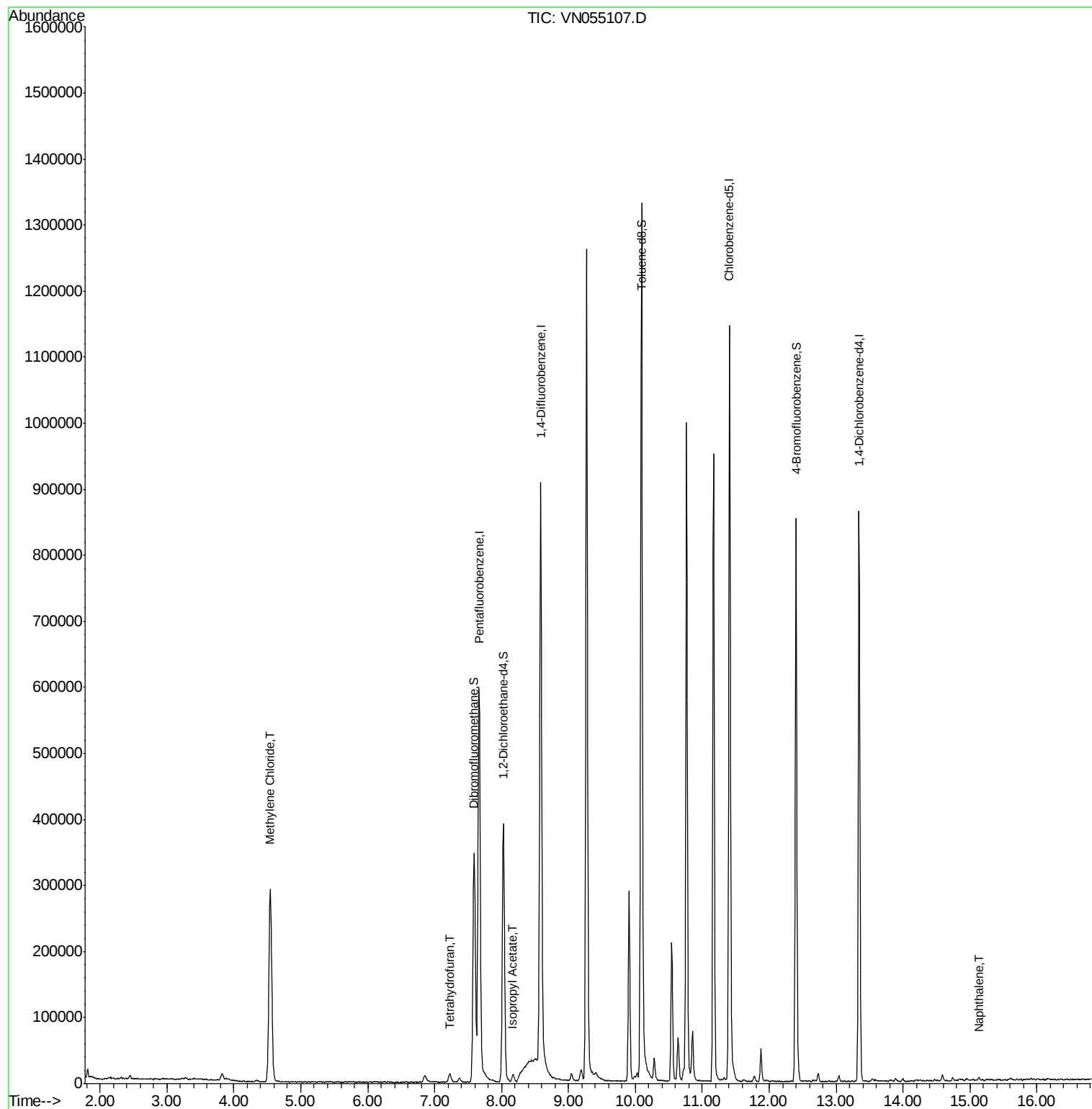
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	503169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	826565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	692838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229721	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	328625	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
35) Dibromofluoromethane	7.59	113	266642	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	991779	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	289899	45.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.20%	
Target Compounds						
20) Methylene Chloride	4.54	84	202154	31.678	ug/l	97
29) Tetrahydrofuran	7.23	42	11605	6.532	ug/l	96
43) Isopropyl Acetate	8.17	43	13923	1.424	ug/l	96
95) Naphthalene	15.13	128	3998	3.535	ug/l #	89

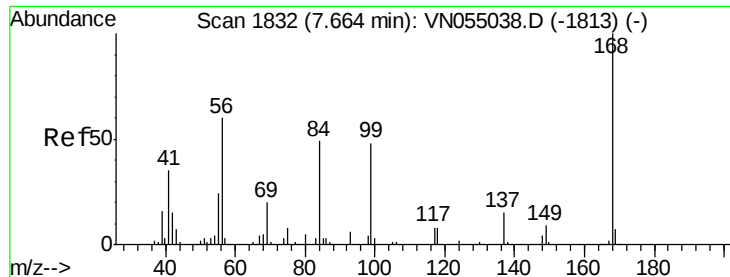
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041719\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

Instrument :

MSVOA_N

ClientSampled :

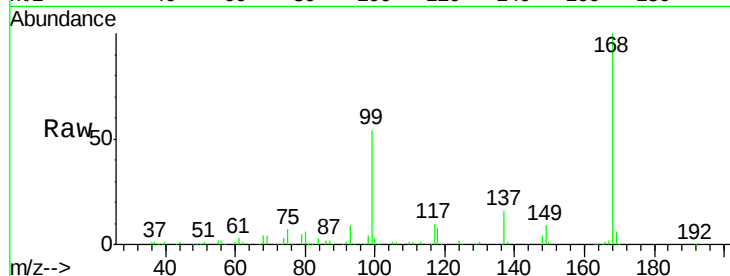
TP-18-D

Tot Ion:168 Resp: 503169

Ion Ratio Lower Upper

168 100

99 54.0 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

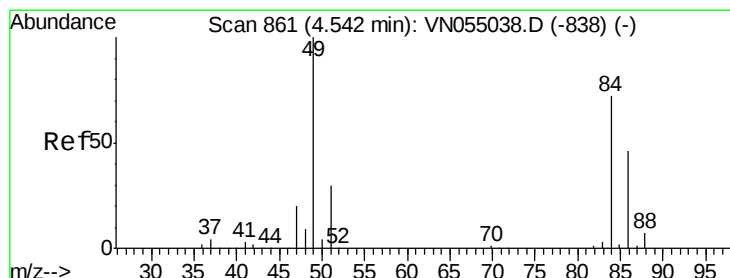
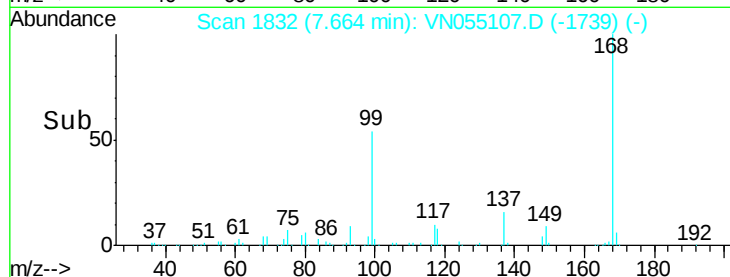
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#20

Methylene Chloride

Concen: 31.678 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

Tgt Ion: 84 Resp: 202154

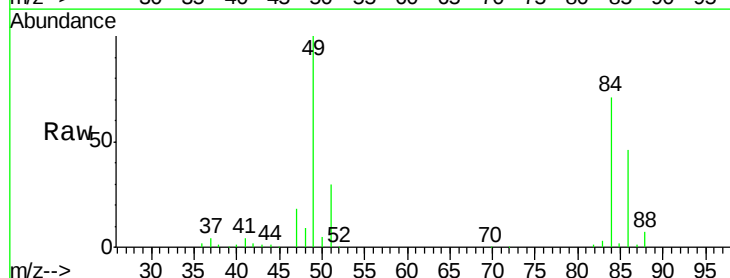
Ion Ratio Lower Upper

84 100

49 140.5 109.4 164.2

51 41.8 32.2 48.4

86 64.4 49.3 73.9



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

150000

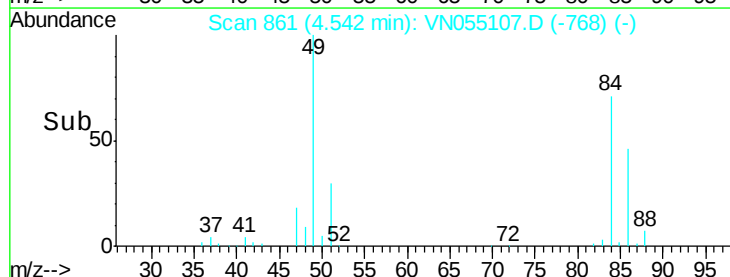
100000

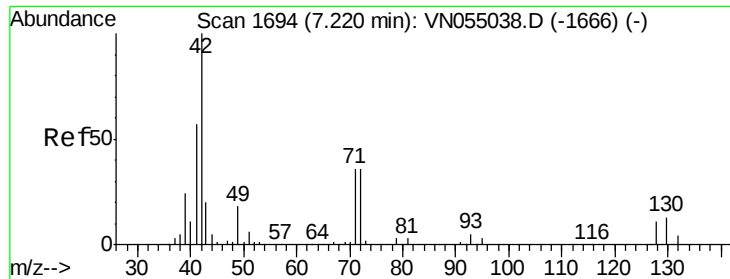
50000

0

Time-->

4.40 4.50 4.60 4.70





#29

Tetrahydrofuran

Concen: 6.532 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

Instrument :

MSVOA_N

ClientSampled :

TP-18-D

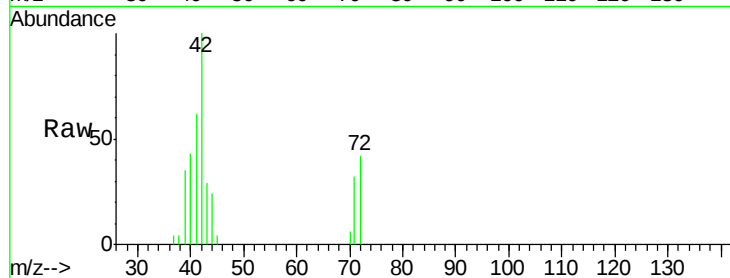
Tot Ion: 42 Resp: 11605

Ion Ratio Lower Upper

42 100

72 34.8 29.4 44.0

71 31.9 27.8 41.6

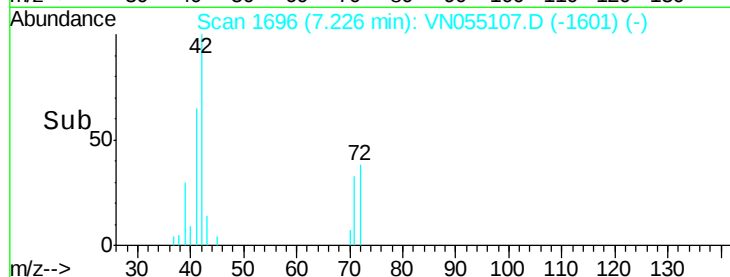


Abundance Ion 42.00 (41.70 to 42.70): VN055107.D (-1601) (-)

Ion 72.00 (71.70 to 72.70): VN055107.D (-1601) (-)

Ion 71.00 (70.70 to 71.70): VN055107.D (-1601) (-)

Time-->



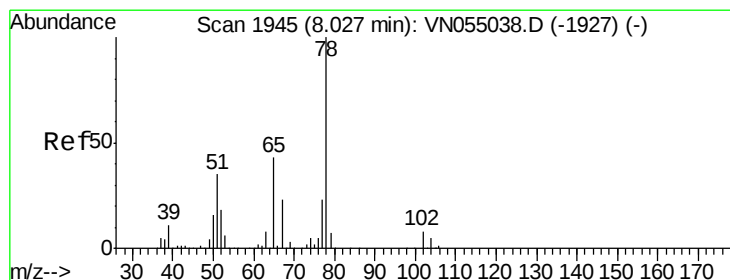
Abundance

Ion 42.00 (41.70 to 42.70): VN055107.D (-1601) (-)

Ion 72.00 (71.70 to 72.70): VN055107.D (-1601) (-)

Ion 71.00 (70.70 to 71.70): VN055107.D (-1601) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.134 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055107.D

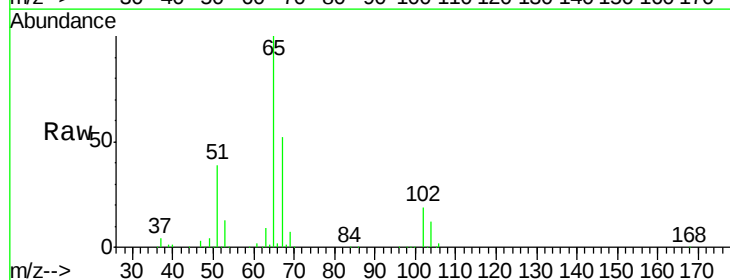
Acq: 17 Apr 2019 15:43

Tgt Ion: 65 Resp: 328625

Ion Ratio Lower Upper

65 100

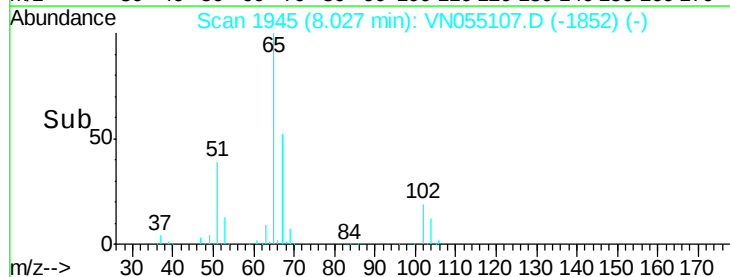
67 53.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN055107.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055107.D (-1852) (-)

Time-->

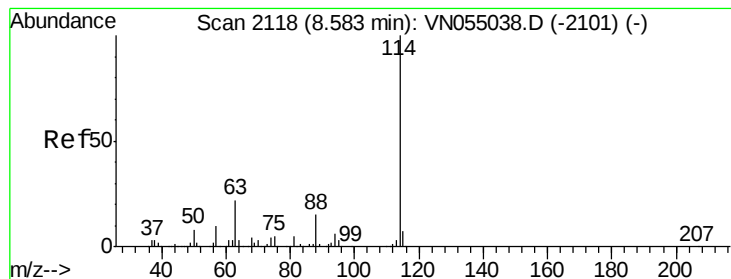


Abundance

Ion 64.90 (64.60 to 65.60): VN055107.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055107.D (-1852) (-)

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

Instrument :

MSVOA_N

ClientSampleId :

TP-18-D

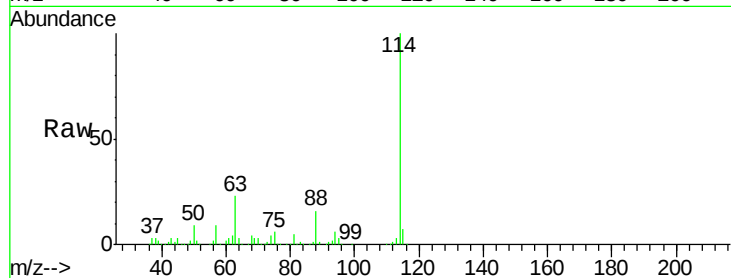
Tot Ion:114 Resp: 826565

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

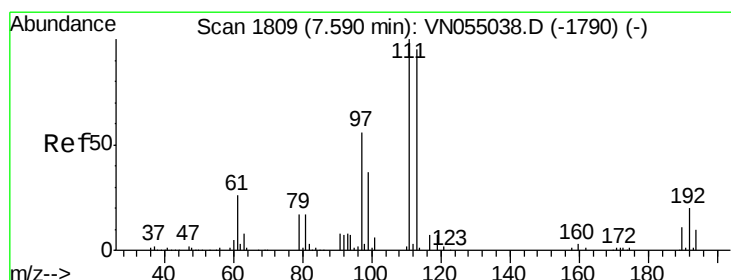
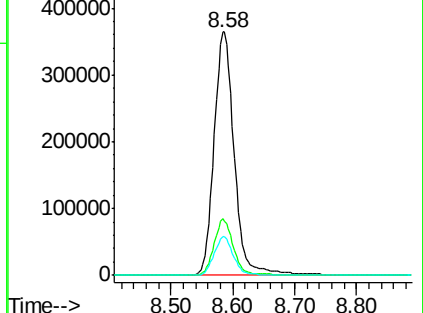
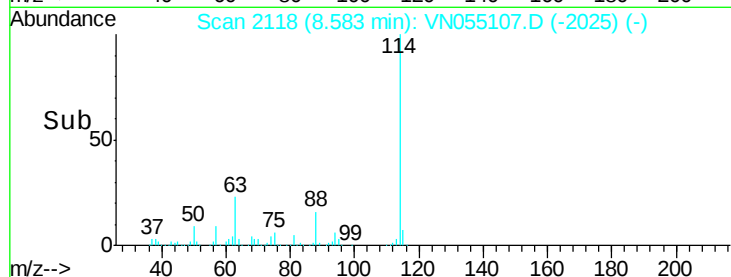
88 16.1 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.270 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

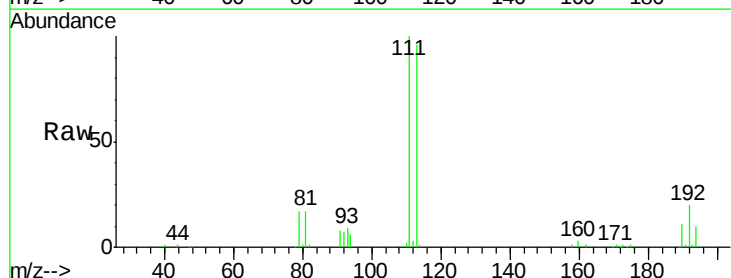
Tgt Ion:113 Resp: 266642

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

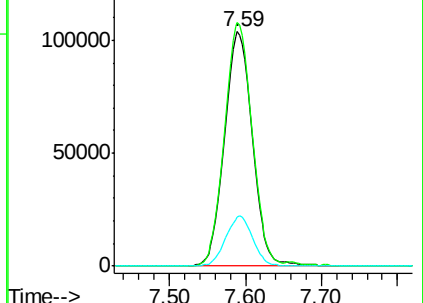
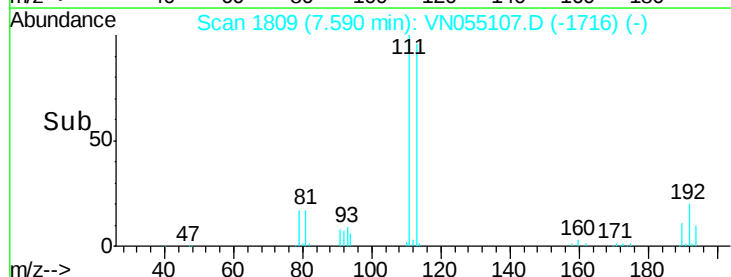
192 20.6 16.5 24.7

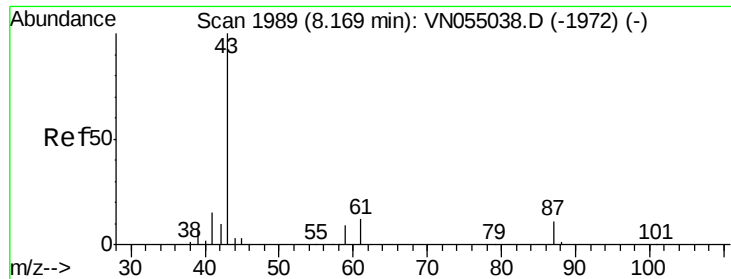


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.424 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

Instrument :

MSVOA_N

ClientSampleId :

TP-18-D

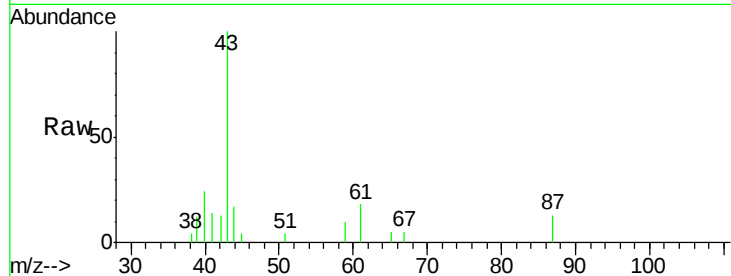
Tot Ion: 43 Resp: 13923

Ion Ratio Lower Upper

43 100

61 19.3 14.3 21.5

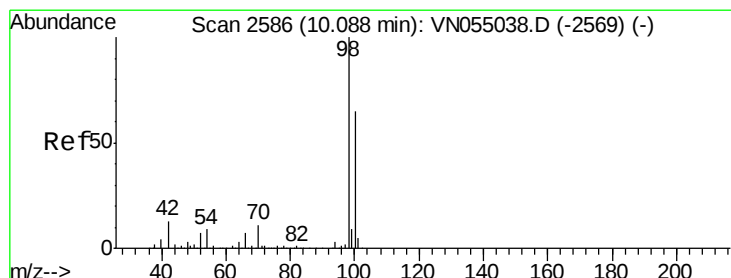
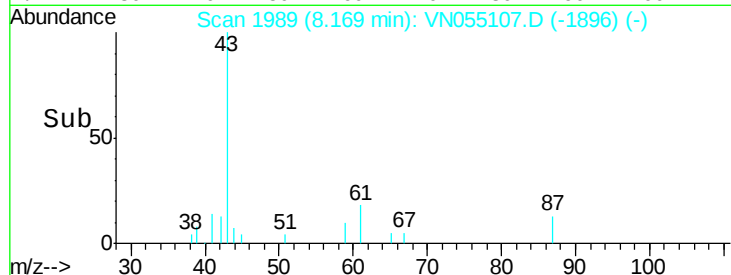
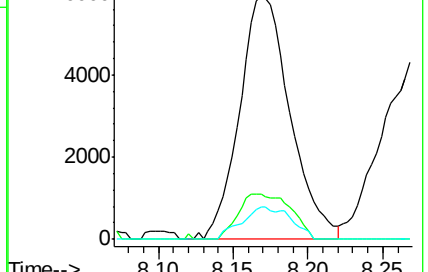
87 12.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055107.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN055107.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN055107.D (-1896) (-)



#50

Toluene-d8

Concen: 50.164 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055107.D

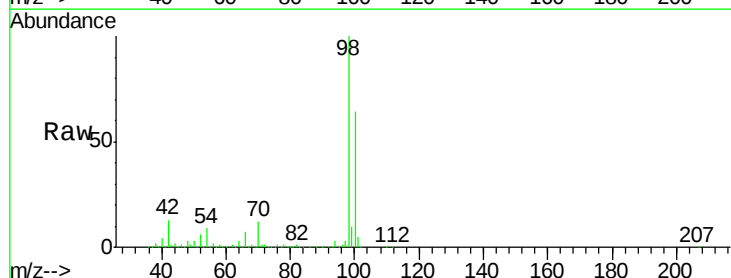
Acq: 17 Apr 2019 15:43

Tgt Ion: 98 Resp: 991779

Ion Ratio Lower Upper

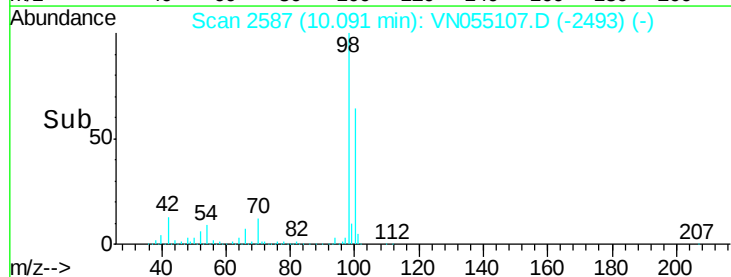
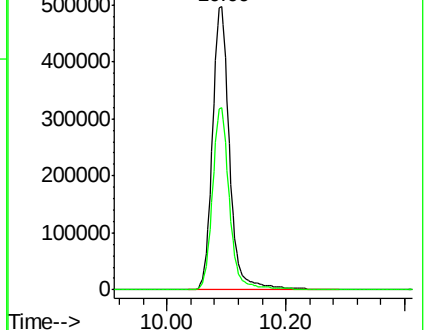
98 100

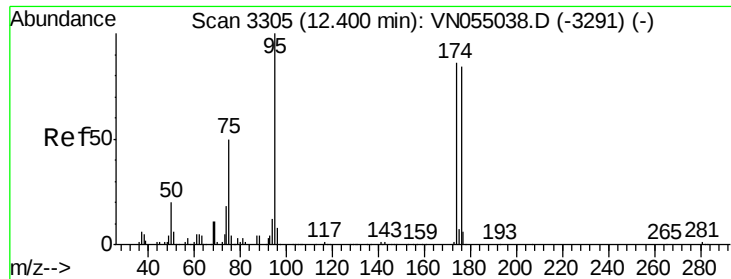
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055107.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN055107.D (-2493) (-)





#62

4-Bromofluorobenzene

Concen: 45.103 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

Instrument :

MSVOA_N

ClientSampled :

TP-18-D

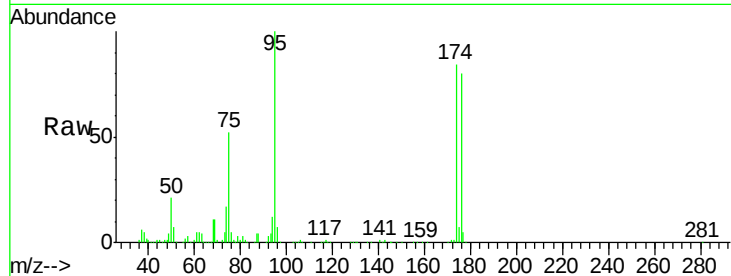
Tot Ion: 95 Resp: 289899

Ion Ratio Lower Upper

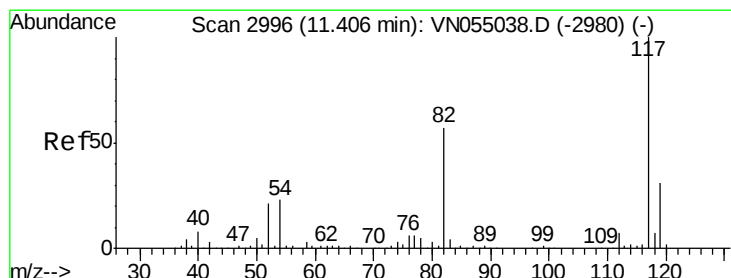
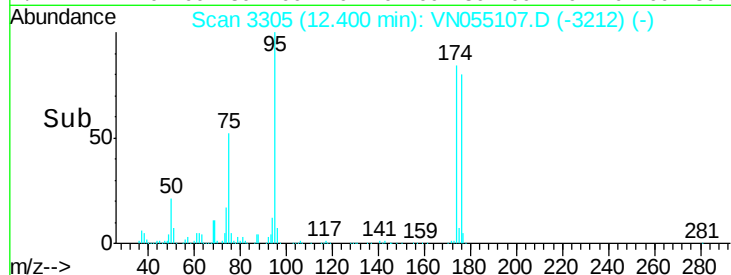
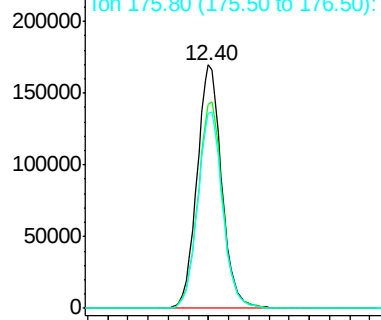
95 100

174 84.9 0.0 174.4

176 81.0 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055107.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

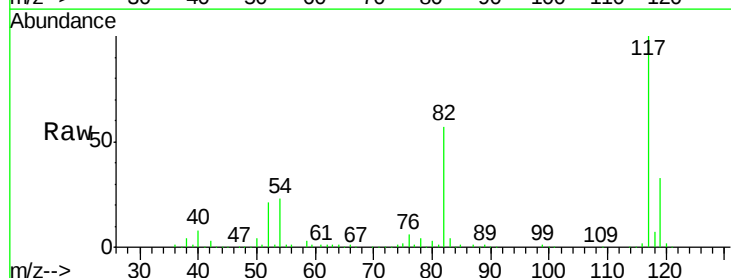
Tgt Ion: 117 Resp: 692838

Ion Ratio Lower Upper

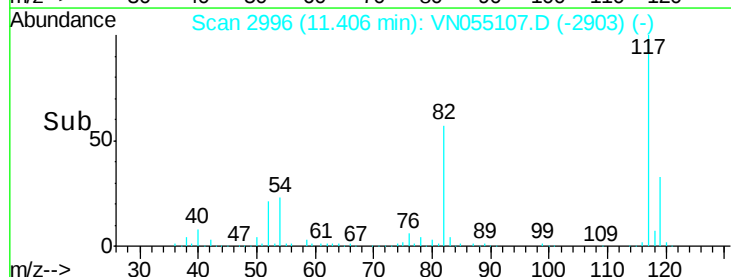
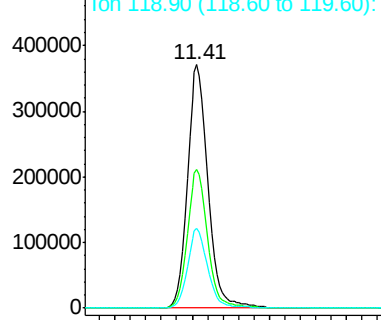
117 100

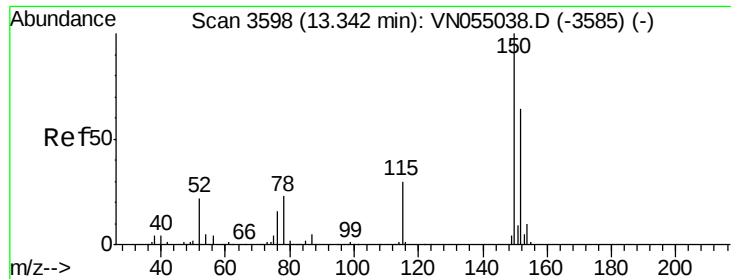
82 57.1 44.6 66.8

119 32.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN055107.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

Instrument :

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ClientSampleId :

TP-18-D

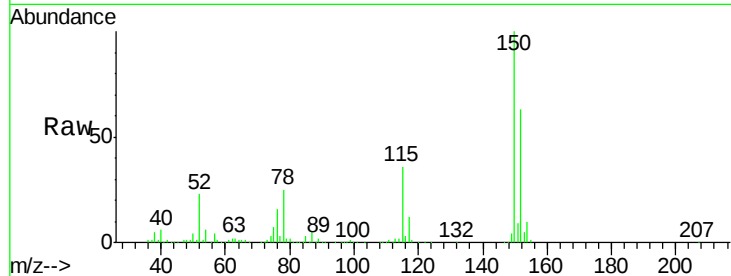
Tot Ion:152 Resp: 229721

Ion Ratio Lower Upper

152 100

115 57.6 28.5 85.6

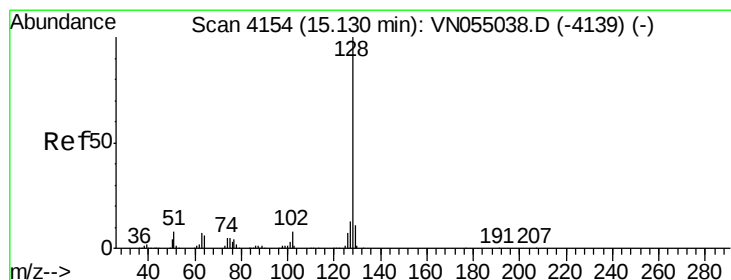
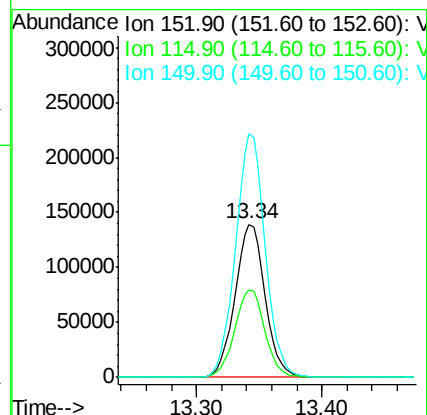
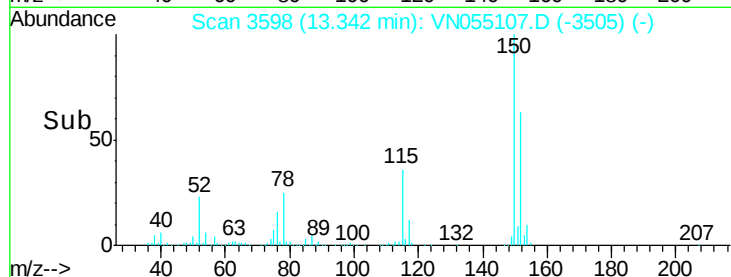
150 157.3 0.0 347.2



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



#95

Naphthalene

Concen: 3.535 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055107.D

Acq: 17 Apr 2019 15:43

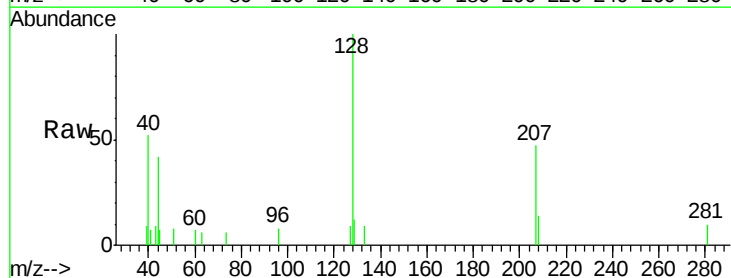
Tgt Ion:128 Resp: 3998

Ion Ratio Lower Upper

128 100

127 6.8 10.1 15.1#

129 8.3 8.8 13.2#



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

