

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
 Data File : VN058148.D
 Acq On : 17 Sep 2019 14:40
 Operator : JC/SP
 Sample : K4922-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GRAB-40303

Quant Time: Sep 18 08:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

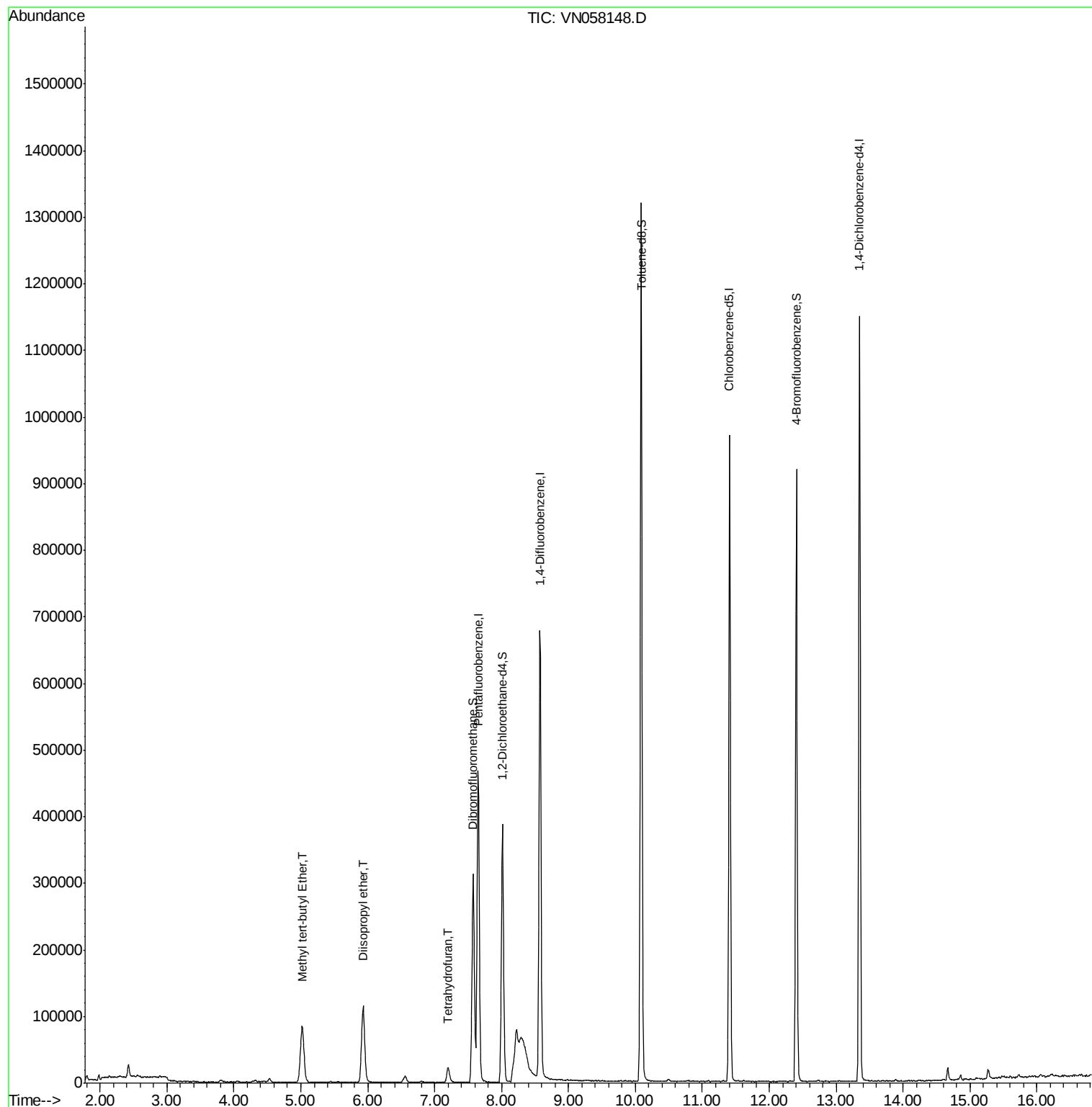
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	362238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	594618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	535810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286839	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	333442	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	
35) Dibromofluoromethane	7.57	113	233384	42.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.06%	
50) Toluene-d8	10.08	98	900634	42.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.54%	
62) 4-Bromofluorobenzene	12.40	95	307059	37.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.62%	
Target Compounds						
19) Methyl tert-butyl Ether	5.02	73	141928	8.842	ug/l	91
22) Diisopropyl ether	5.93	45	152502	8.615	ug/l #	88
29) Tetrahydrofuran	7.20	42	20497	9.555	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058148.D

Acq: 17 Sep 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

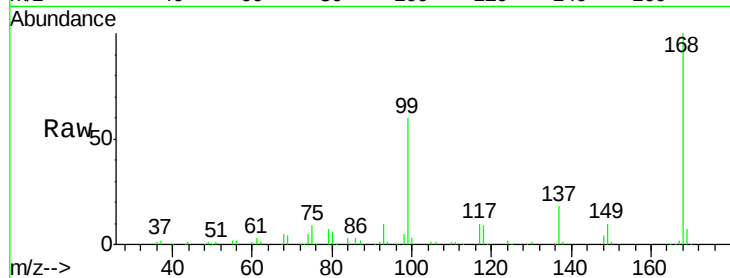
GRAB-40303

Tot Ion:168 Resp: 362238

Ion Ratio Lower Upper

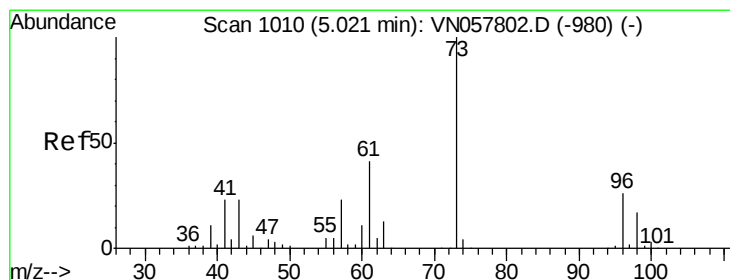
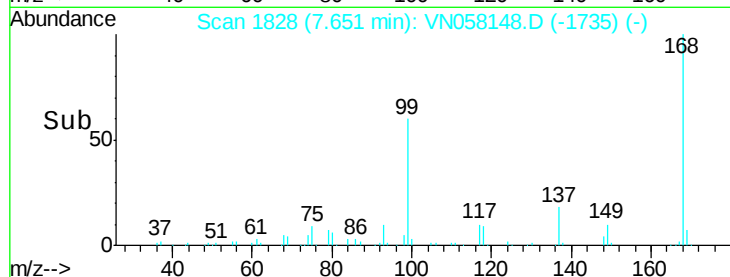
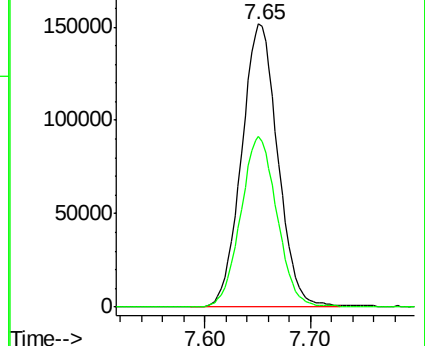
168 100

99 60.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#19

Methyl tert-butyl Ether

Concen: 8.842 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058148.D

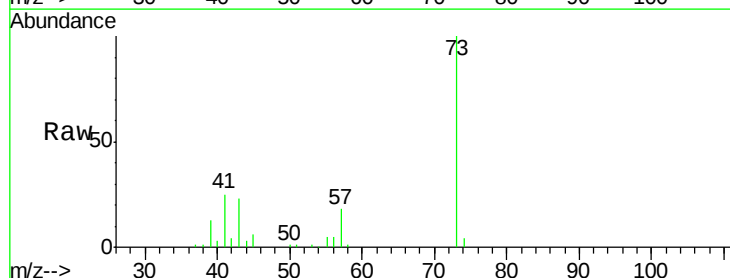
Acq: 17 Sep 2019 14:40

Tgt Ion: 73 Resp: 141928

Ion Ratio Lower Upper

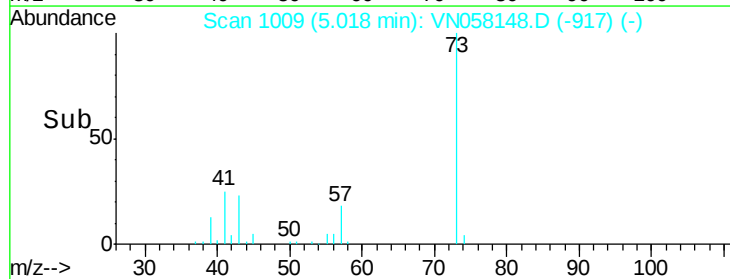
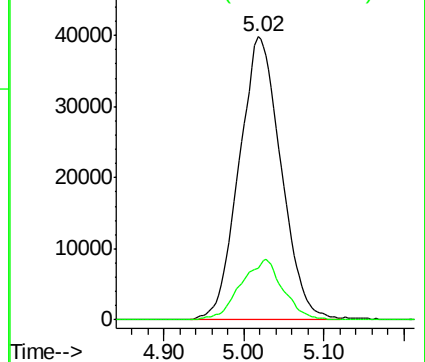
73 100

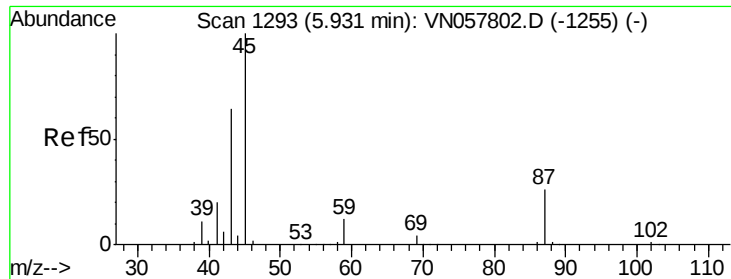
57 18.3 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

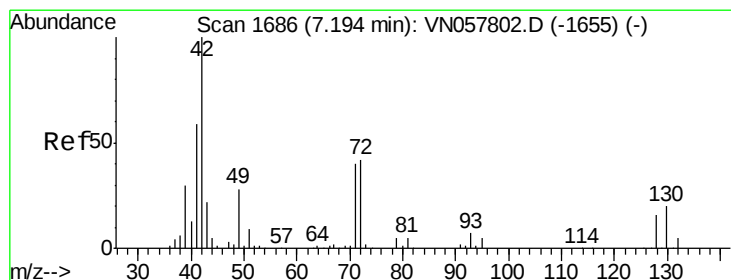
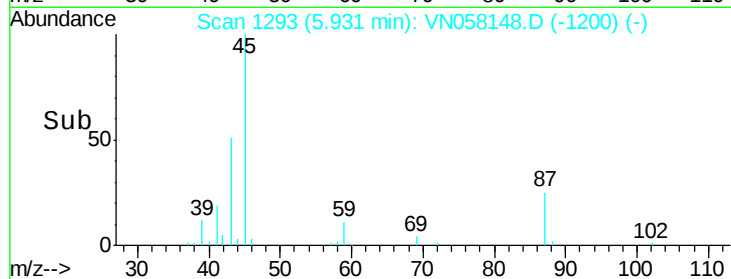
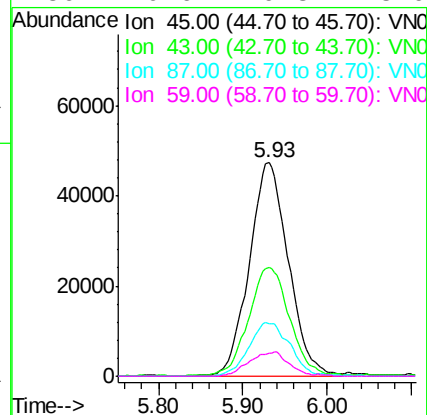
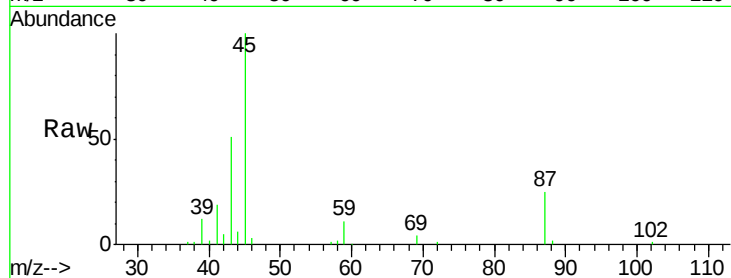




#22
Diisopropyl ether
Concen: 8.615 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058148.D
Acq: 17 Sep 2019 14:40

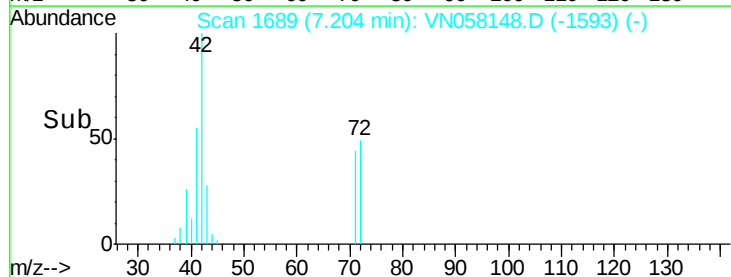
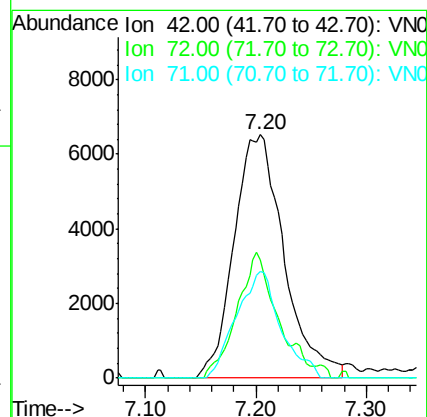
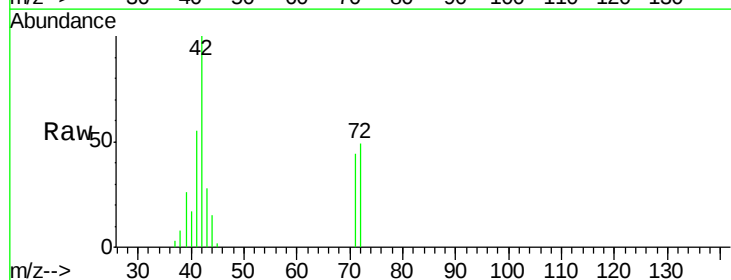
Instrument :
MSVOA_N
ClientSampleId :
GRAB-40303

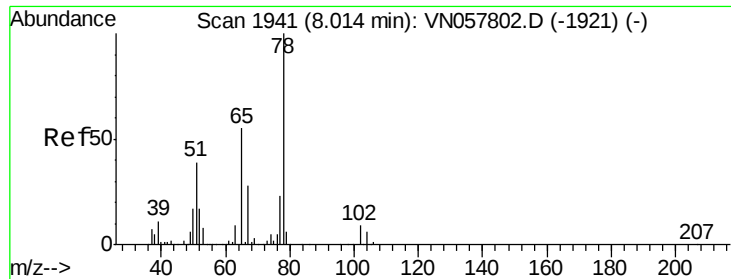
Tot Ion:	45	Resp:	152502
Ion	Ratio	Lower	Upper
45	100		
43	50.6	51.4	77.2#
87	24.8	21.3	31.9
59	10.6	9.3	13.9



#29
Tetrahydrofuran
Concen: 9.555 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN058148.D
Acq: 17 Sep 2019 14:40

Tgt Ion:	42	Resp:	20497
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	38.8	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 45.448 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058148.D

Acq: 17 Sep 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

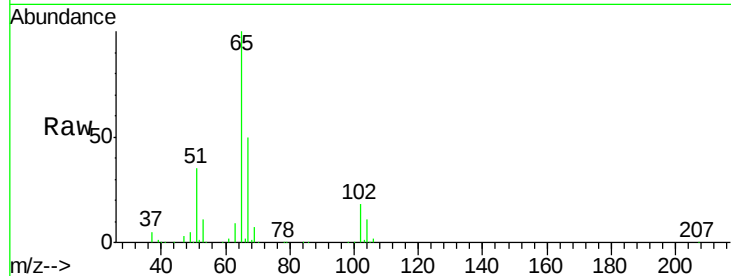
GRAB-40303

Tot Ion: 65 Resp: 333442

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN057802.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN057802.D (-1921) (-)

8.01

150000

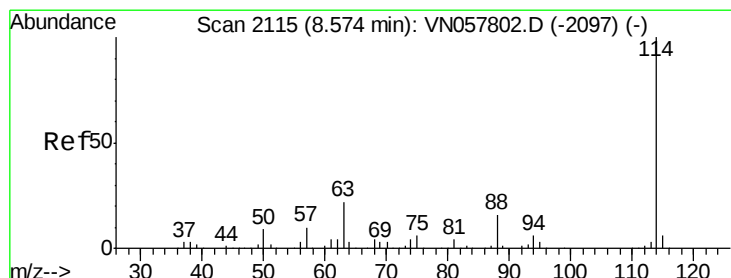
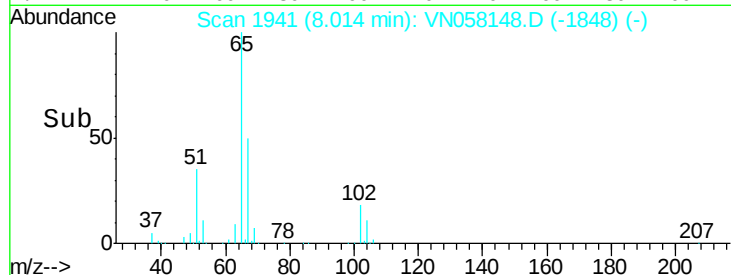
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058148.D

Acq: 17 Sep 2019 14:40

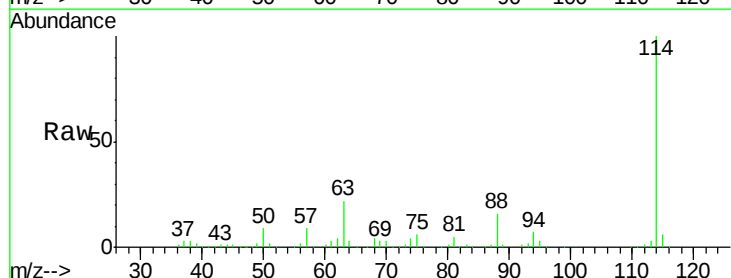
Tgt Ion: 114 Resp: 594618

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.0

88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN057802.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057802.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057802.D (-2097) (-)

8.58

300000

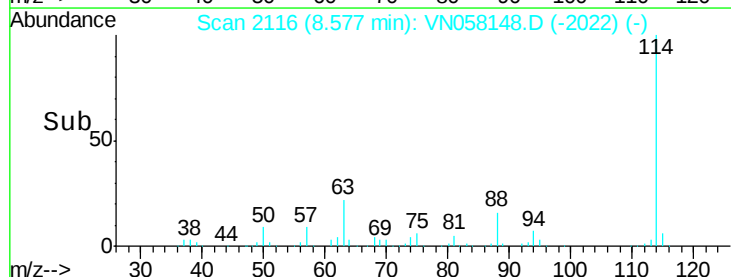
200000

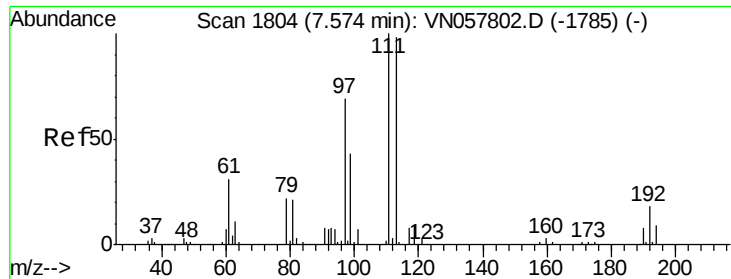
100000

0

8.50 8.60 8.70

Time-->

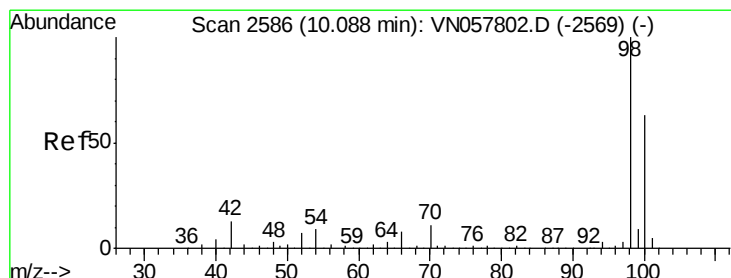
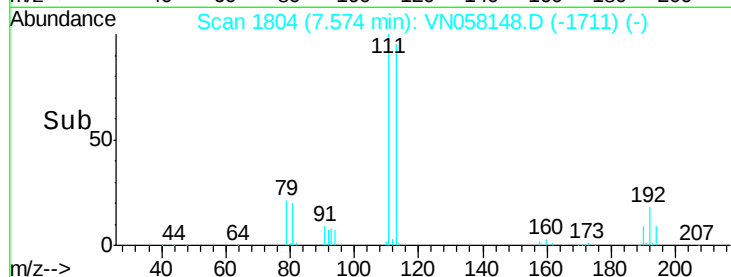
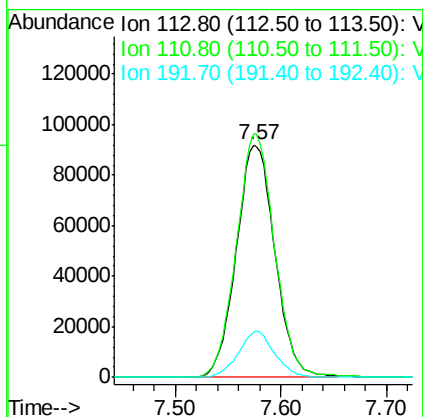
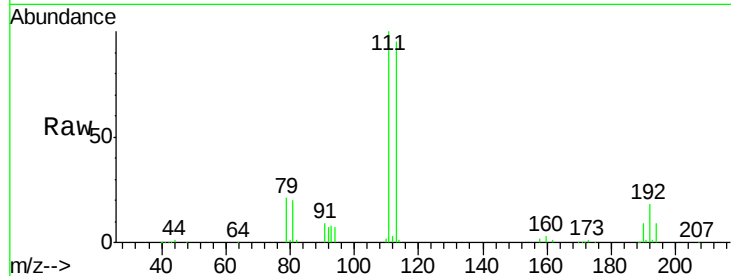




#35
 Dibromofluoromethane
 Concen: 42.526 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058148.D
 Acq: 17 Sep 2019 14:40

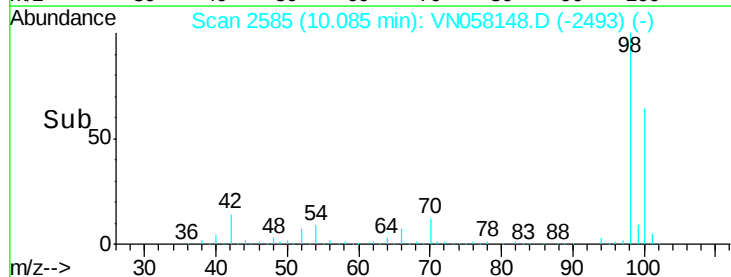
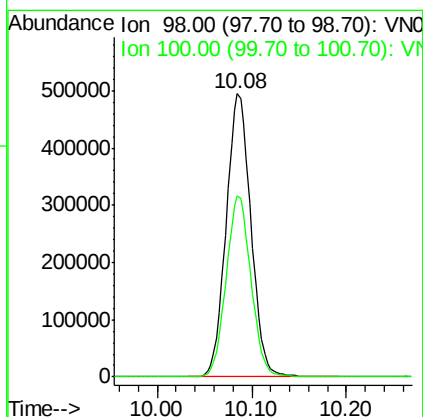
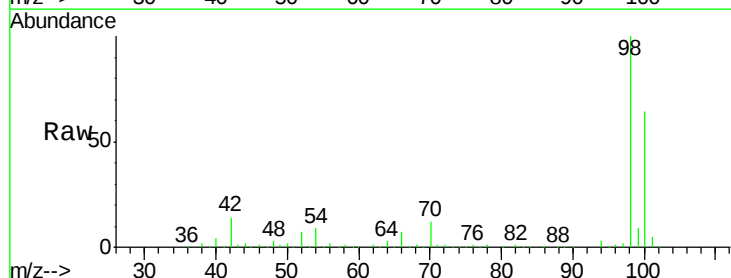
Instrument :
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 GRAB-40303

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.3	121.9
192	18.7	14.6	22.0



#50
 Toluene-d8
 Concen: 42.268 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058148.D
 Acq: 17 Sep 2019 14:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.3	75.5





#62

4-Bromofluorobenzene

Concen: 37.815 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058148.D

Acq: 17 Sep 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

GRAB-40303

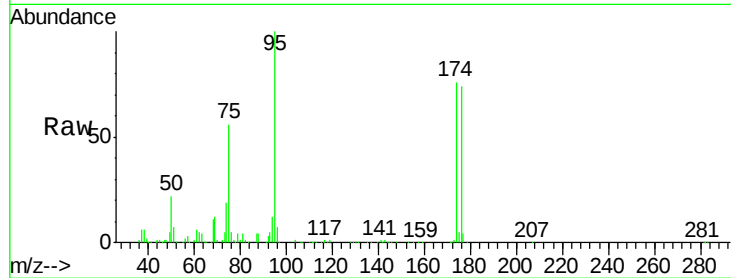
Tot Ion: 95 Resp: 307059

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 74.2 0.0 146.0



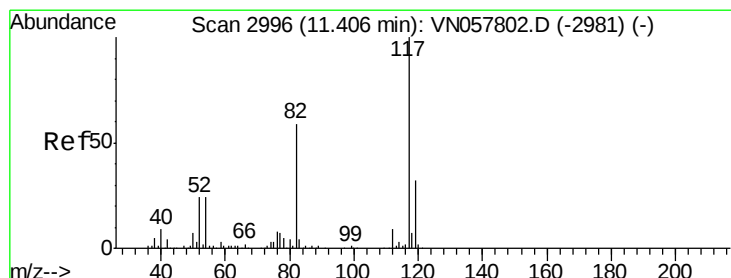
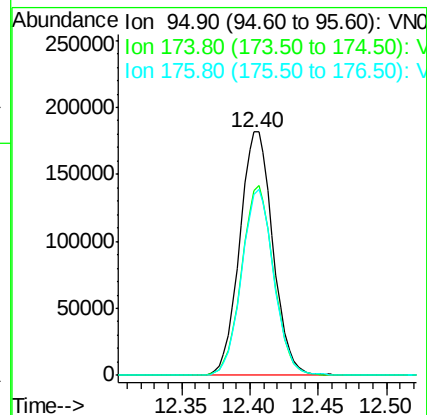
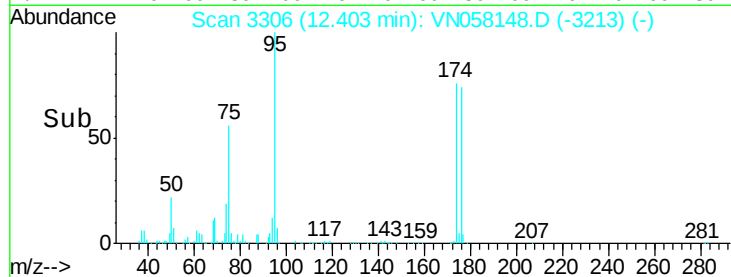
Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058148.D

Acq: 17 Sep 2019 14:40

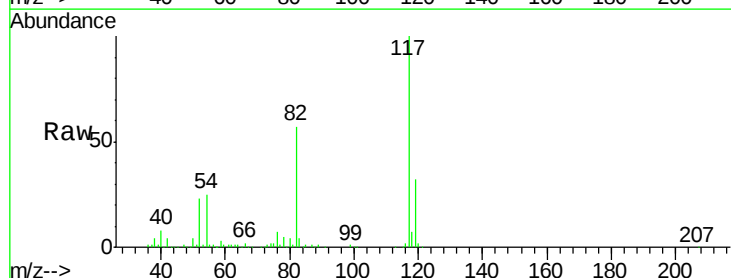
Tgt Ion: 117 Resp: 535810

Ion Ratio Lower Upper

117 100

82 56.7 47.2 70.8

119 32.1 25.3 37.9



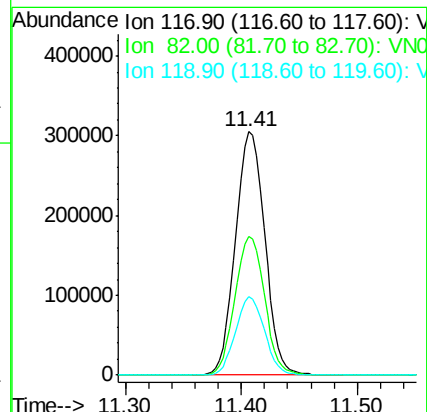
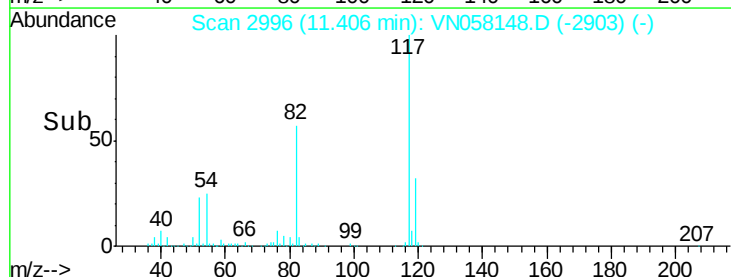
Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

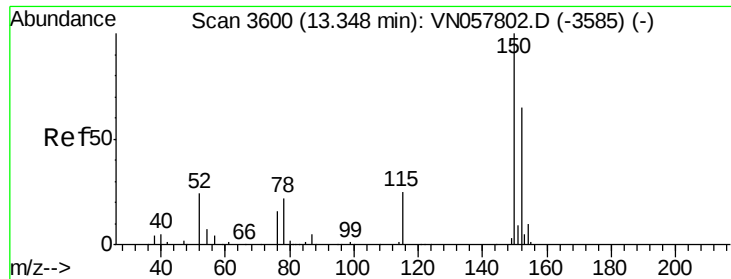
Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

11.41

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058148.D

Acq: 17 Sep 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

GRAB-40303

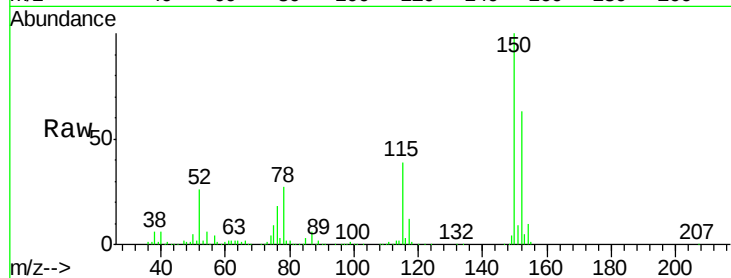
Tot Ion:152 Resp: 286839

Ion Ratio Lower Upper

152 100

115 61.7 30.3 91.0

150 159.0 0.0 352.4



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

