

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091719\
 Data File : VN058149.D
 Acq On : 17 Sep 2019 15:02
 Operator : JC/SP
 Sample : K4922-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GRAB-40150

Manual Integrations
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MMDadoda
 9/18/2019 4:41:46 PM

Quant Time: Sep 18 08:26:03 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	351713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	580304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	528261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	294083	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	332739	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
35) Dibromofluoromethane	7.58	113	235804	44.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.06%	
50) Toluene-d8	10.08	98	909715	43.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.50%	
62) 4-Bromofluorobenzene	12.41	95	323443	40.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.62%	
Target Compounds						
11) Tert butyl alcohol	4.76	59	21607m	25.061	ug/l	Qvalue
16) Acetone	3.80	43	44004	18.843	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	84098	5.396	ug/l	98
22) Diisopropyl ether	5.93	45	85758	4.989	ug/l	90
29) Tetrahydrofuran	7.20	42	32596	15.651	ug/l	98

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

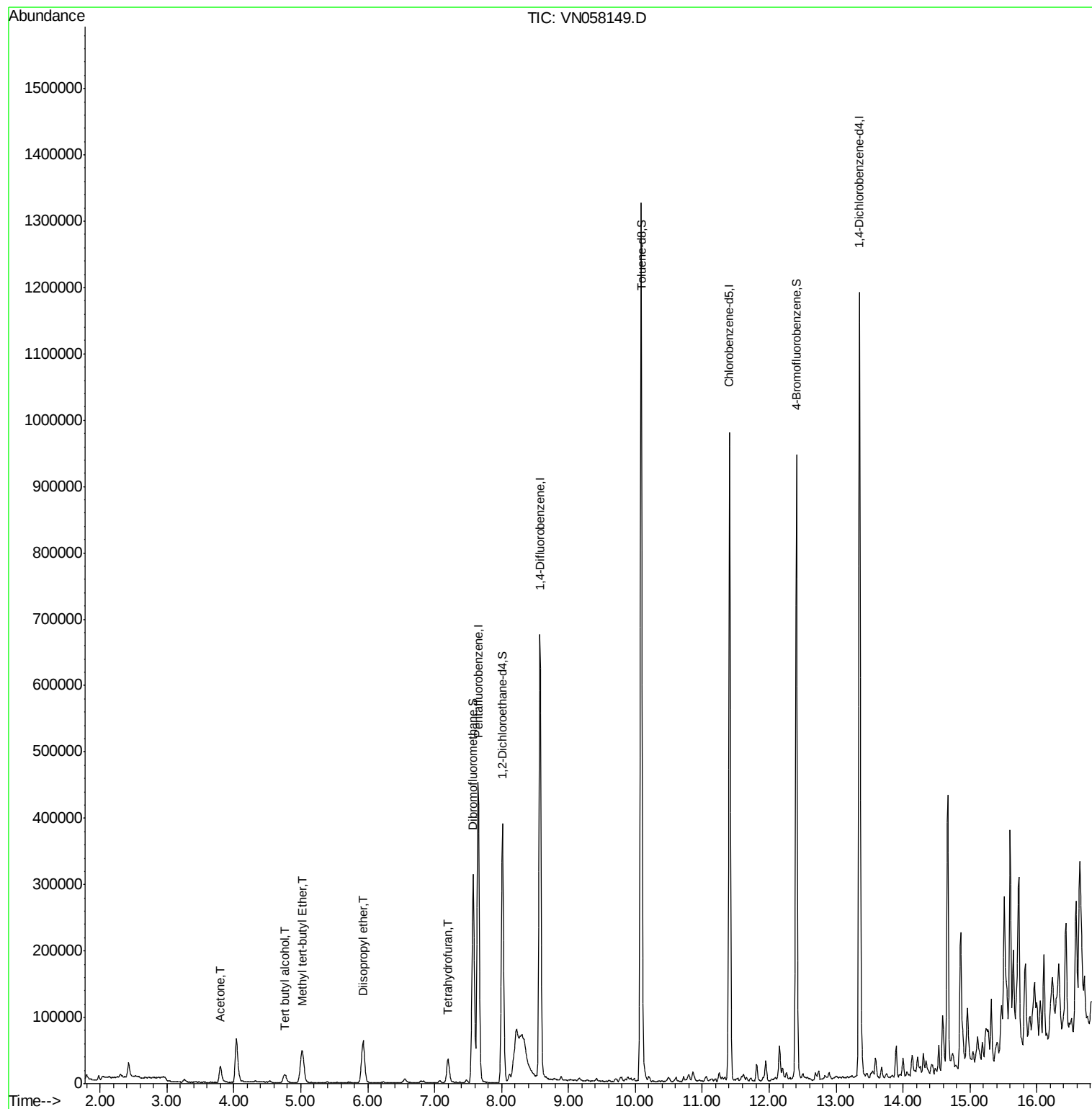
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091719\
Data File : VN058149.D
Acq On : 17 Sep 2019 15:02
Operator : JC/SP
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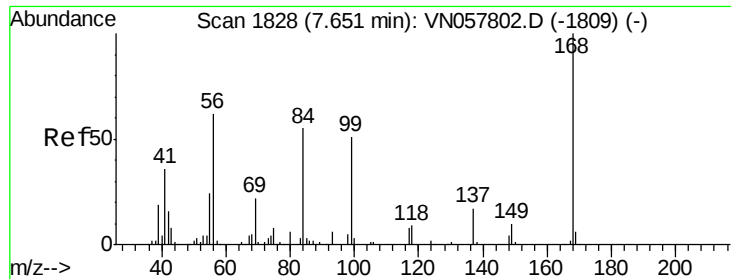
Instrument :
MSVOA_N
ClientSampleId :
GRAB-40150

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Quant Time: Sep 18 08:26:03 2019
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: VN058149.D

Acq: 17 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

GRAB-40150

Tot Ion:168 Resp: 351713

Ion Ratio Lower Upper

168 100

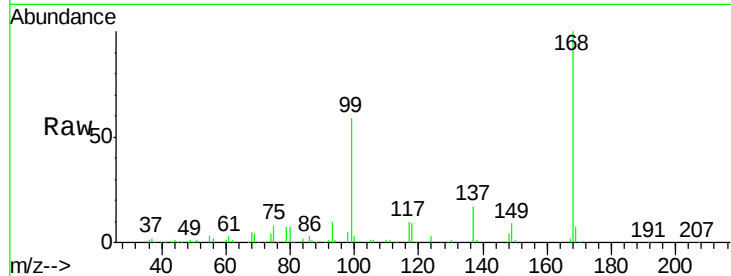
99 58.9 48.0 72.0

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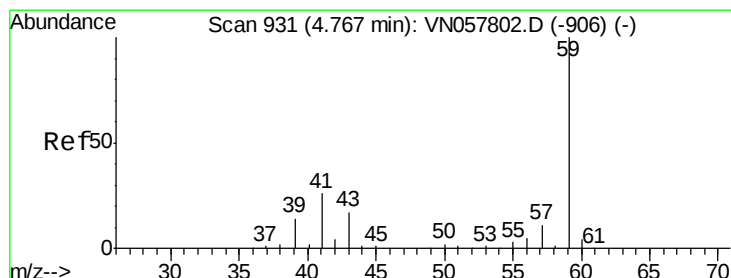
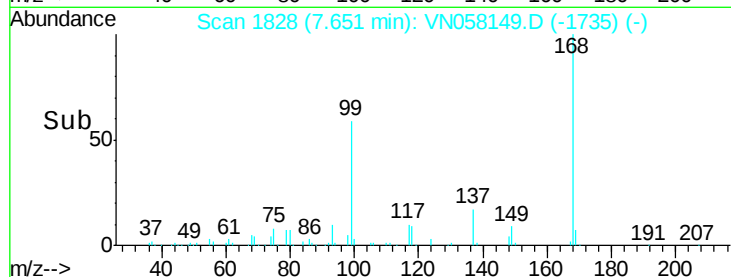
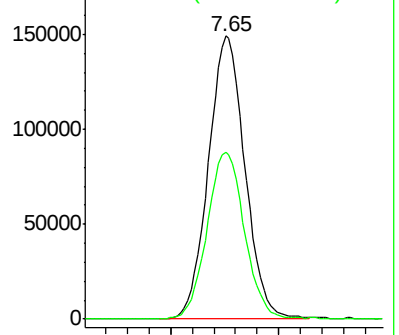
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 25.061 ug/l m

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058149.D

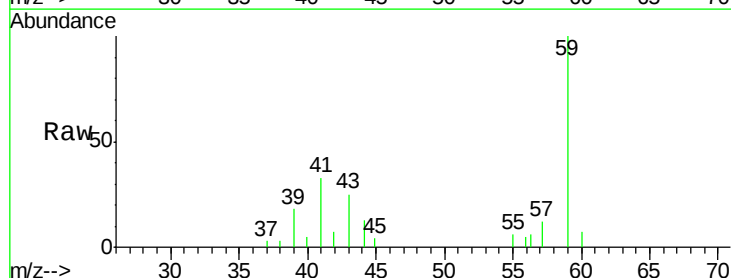
Acq: 17 Sep 2019 15:02

Tgt Ion: 59 Resp: 21607

Ion Ratio Lower Upper

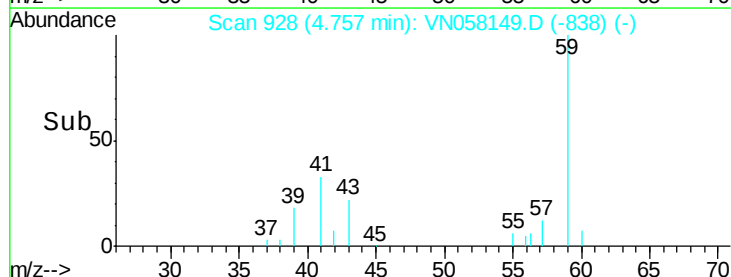
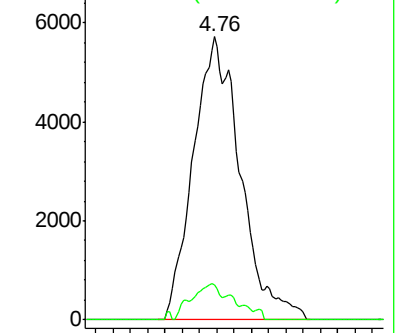
59 100

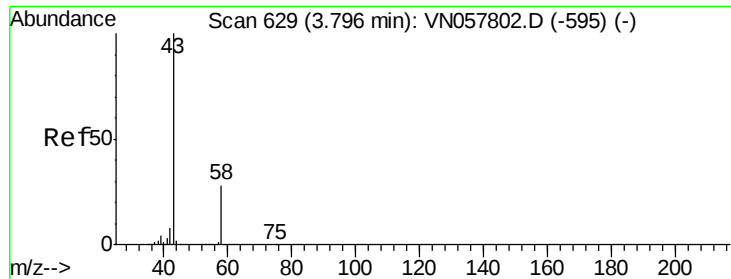
57 7.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





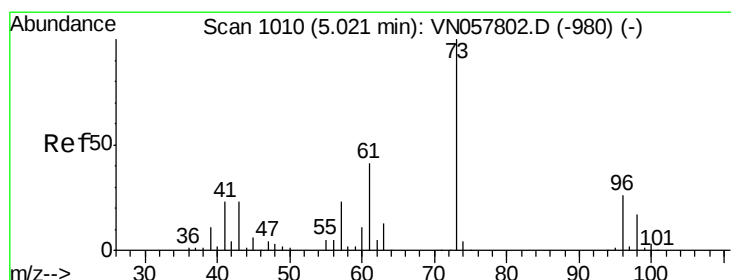
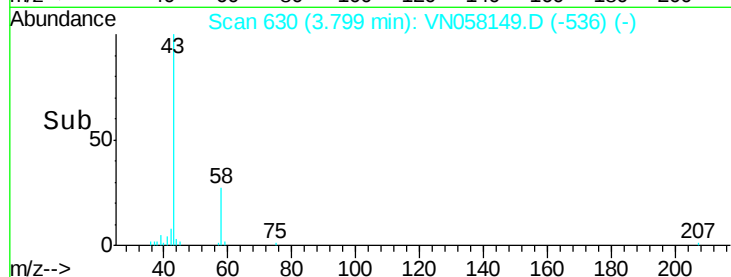
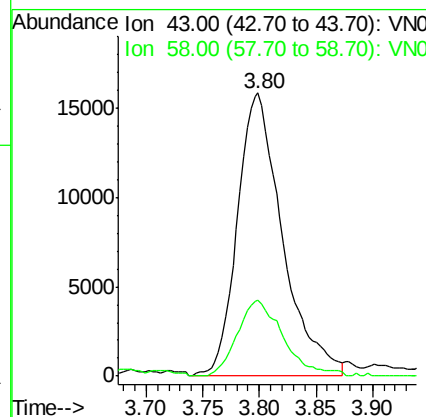
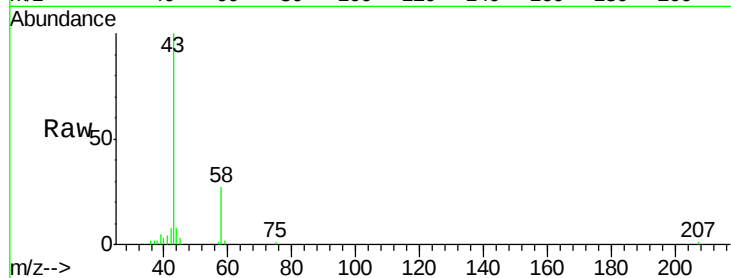
#16
Acetone
Concen: 18.843 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN058149.D
Acq: 17 Sep 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
GRAB-40150

Tot Ion: 43 Resp: 44004
Ion Ratio Lower Upper
43 100
58 26.8 22.2 33.2

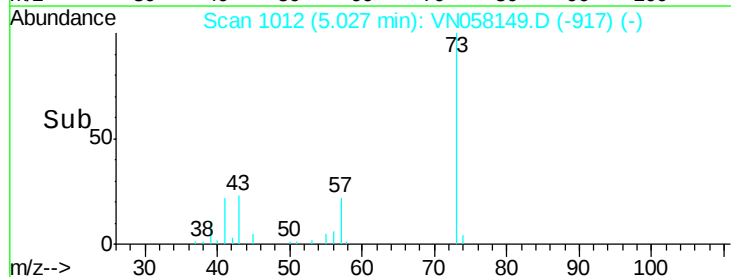
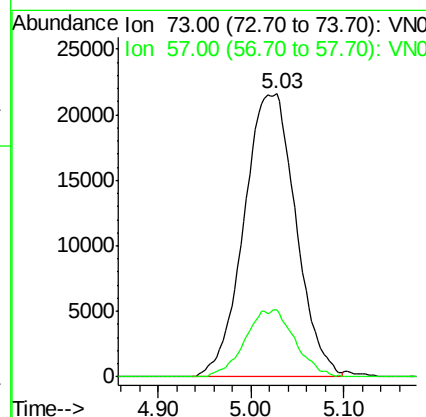
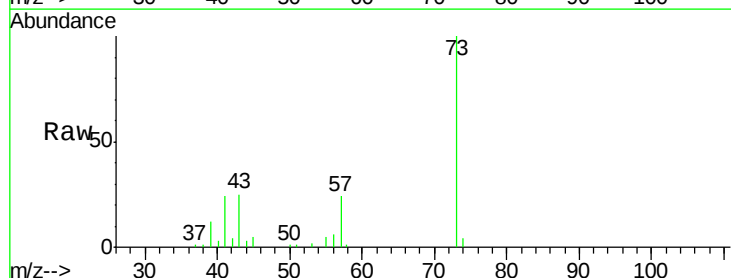
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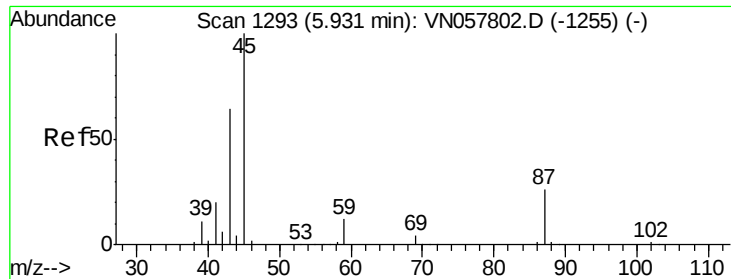
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#19
Methyl tert-butyl Ether
Concen: 5.396 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN058149.D
Acq: 17 Sep 2019 15:02

Tgt Ion: 73 Resp: 84098
Ion Ratio Lower Upper
73 100
57 23.8 18.2 27.2





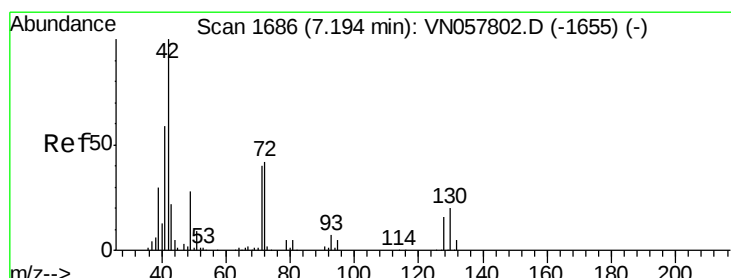
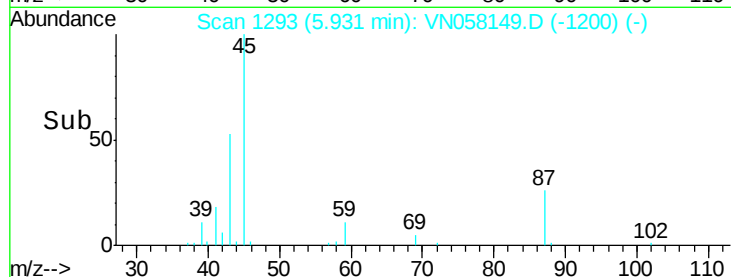
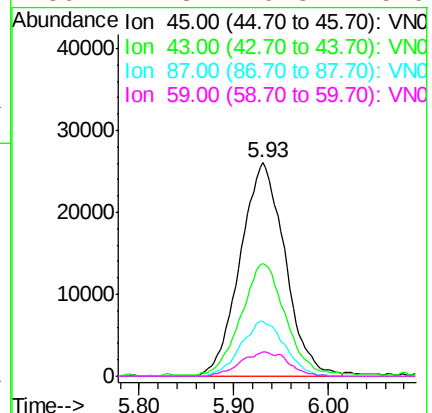
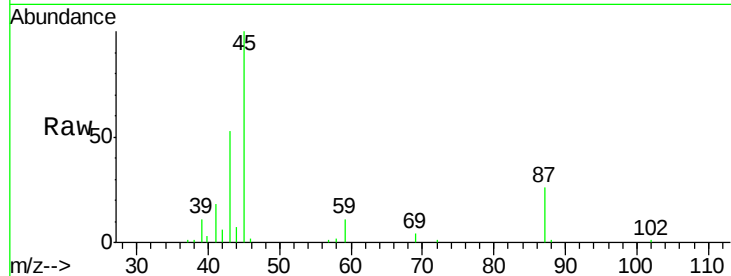
#22
Diisopropyl ether
Concen: 4.989 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058149.D
Acq: 17 Sep 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
GRAB-40150

Tot Ion	45	Resp	85758
Ion Ratio	Lower	Upper	
45	100		
43	52.1	51.4	77.2
87	25.6	21.3	31.9
59	11.3	9.3	13.9

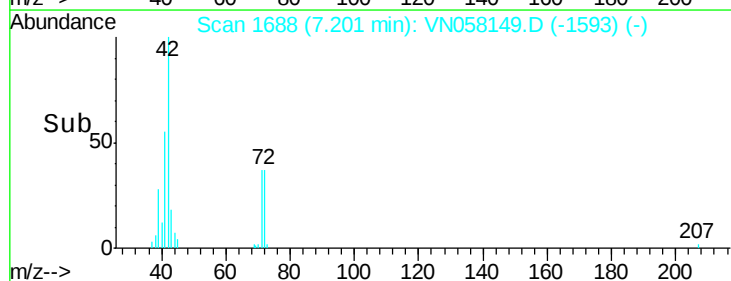
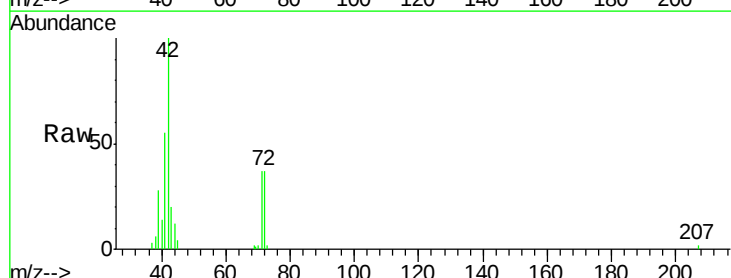
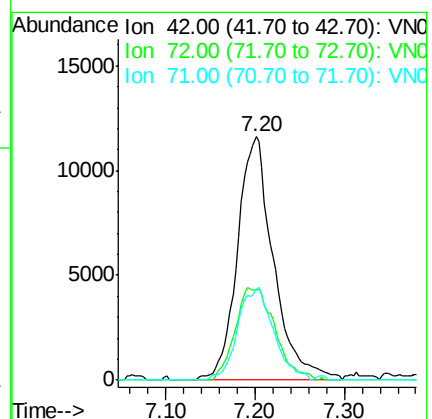
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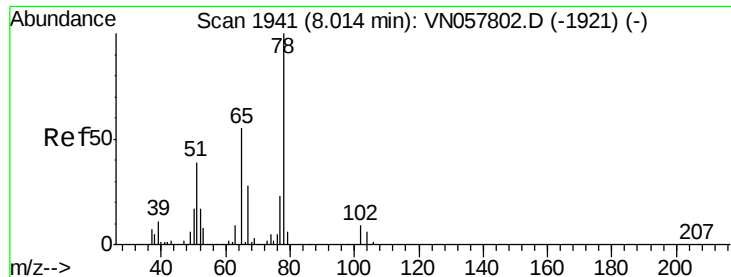
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#29
Tetrahydrofuran
Concen: 15.651 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058149.D
Acq: 17 Sep 2019 15:02

Tgt Ion	42	Resp	32596
Ion Ratio	Lower	Upper	
42	100		
72	41.7	33.7	50.5
71	38.1	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 46.709 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058149.D

Acq: 17 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

GRAB-40150

Tot Ion: 65 Resp: 332739

Ion Ratio Lower Upper

65 100

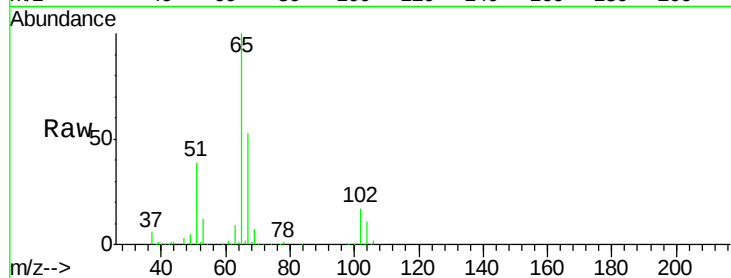
67 52.3 0.0 104.0

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

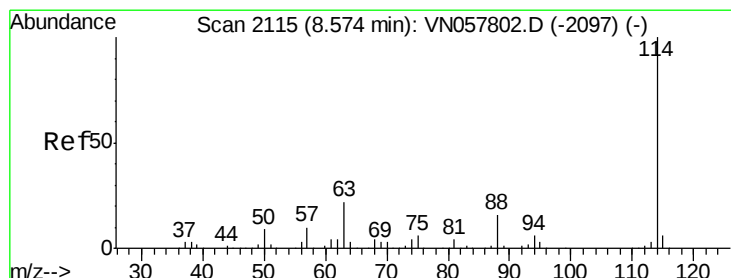
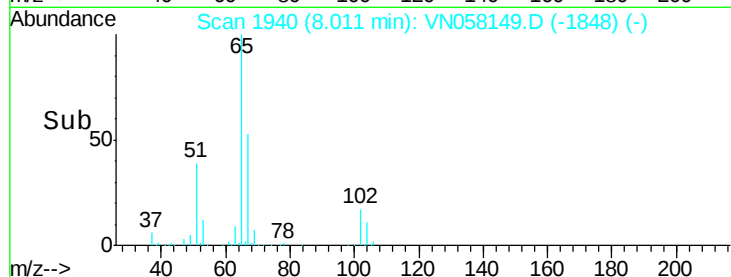
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058149.D

Acq: 17 Sep 2019 15:02

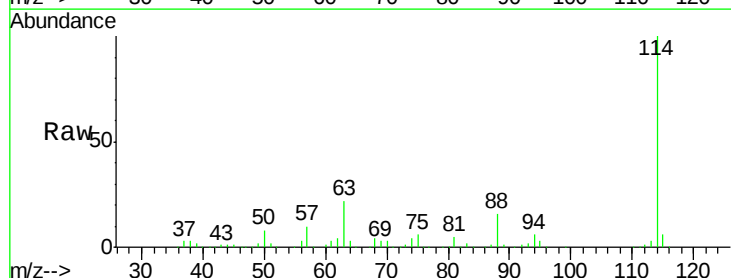
Tgt Ion:114 Resp: 580304

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 16.4 0.0 31.4



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

8.57

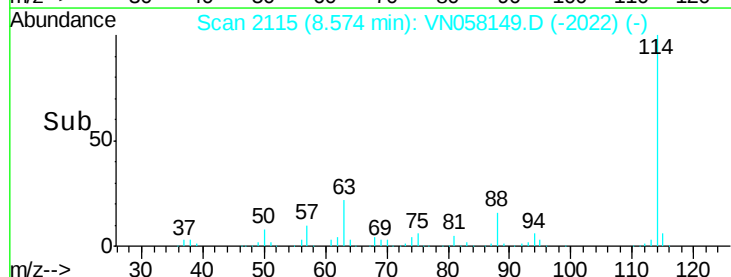
300000

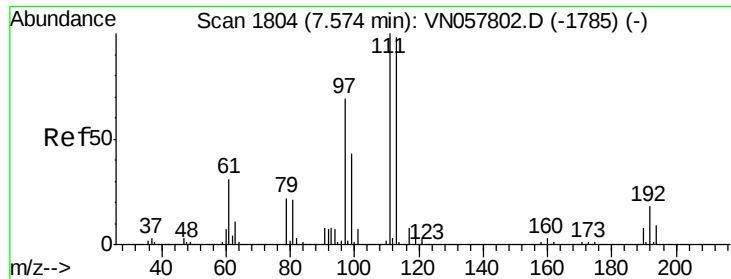
200000

100000

0

Time--> 8.50 8.55 8.60 8.65





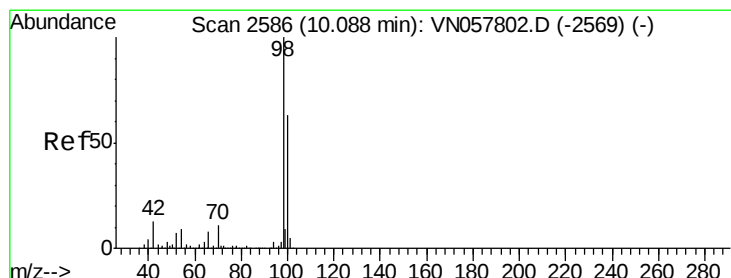
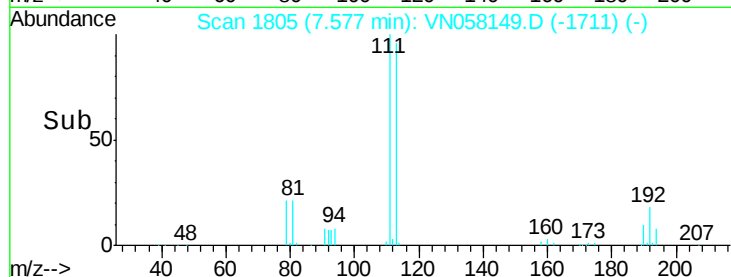
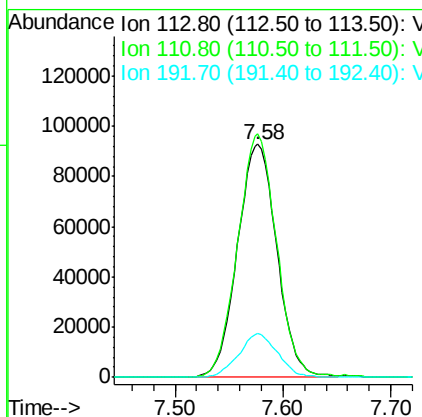
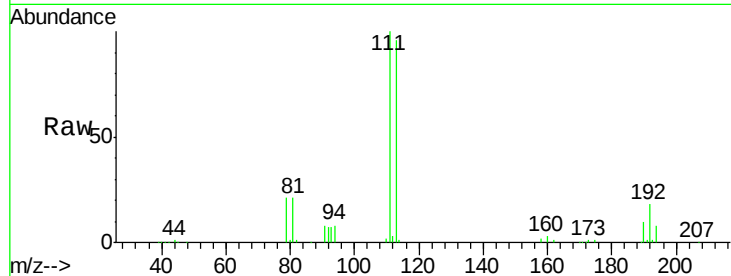
#35
Dibromofluoromethane
Concen: 44.026 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN058149.D
Acq: 17 Sep 2019 15:02

Instrument :
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ClientSampleId :
GRAB-40150

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.3	121.9	
192	18.6	14.6	22.0	

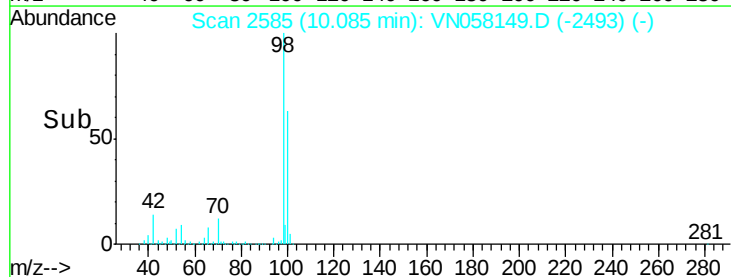
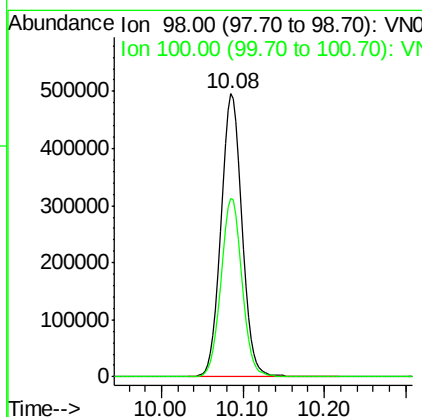
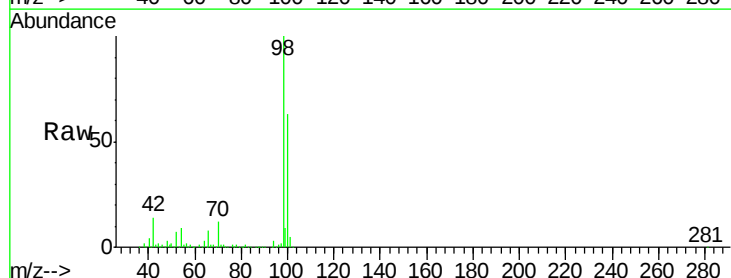
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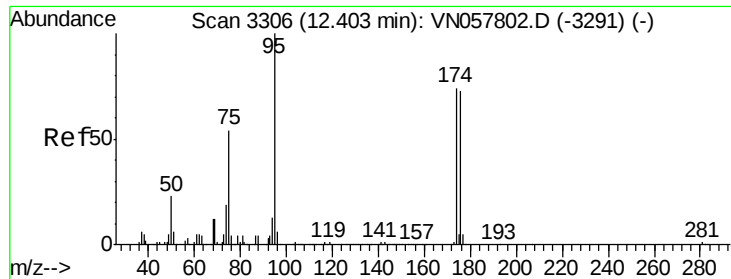
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#50
Toluene-d8
Concen: 43.747 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058149.D
Acq: 17 Sep 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.2	50.3	75.5	





#62

4-Bromofluorobenzene

Concen: 40.815 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058149.D

Acq: 17 Sep 2019 15:02

Instrument :

MSVOA_N

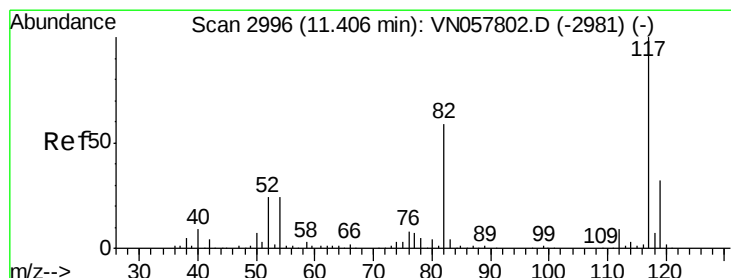
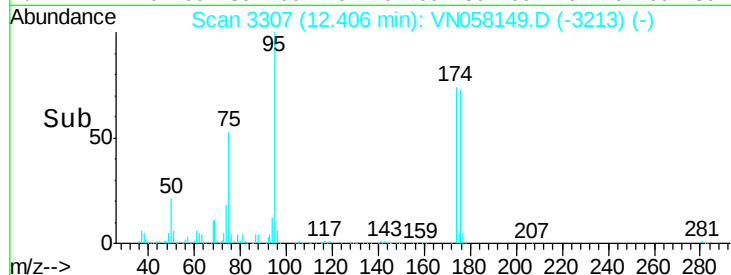
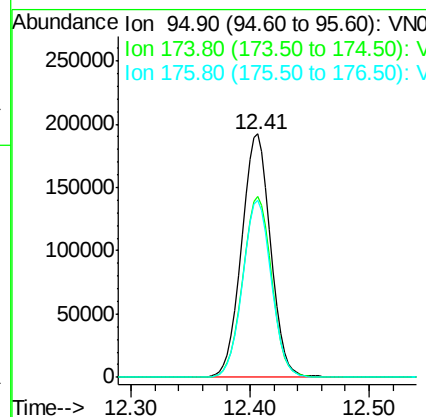
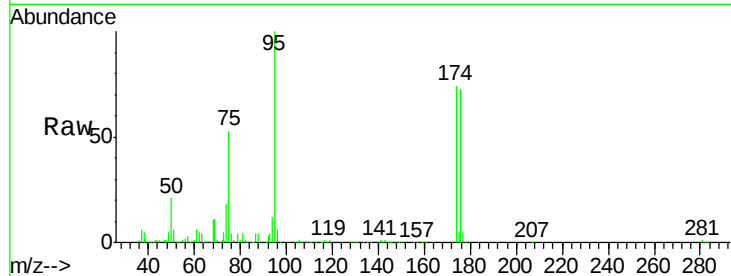
ClientSampled :

GRAB-40150

Tot Ion:	95	Resp:	323443
Ion Ratio	Lower	Upper	
95	100		
174	74.2	0.0	150.2
176	72.4	0.0	146.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

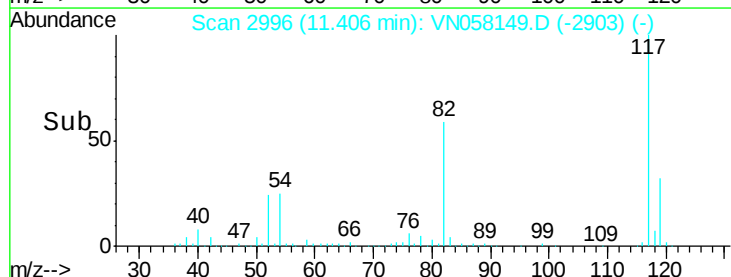
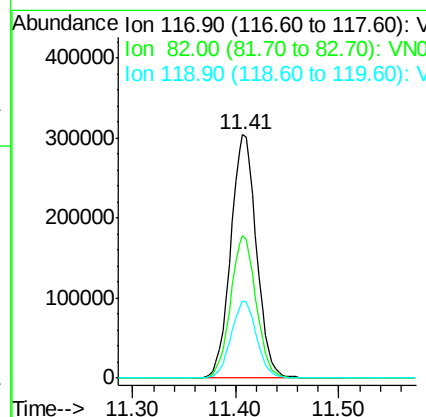
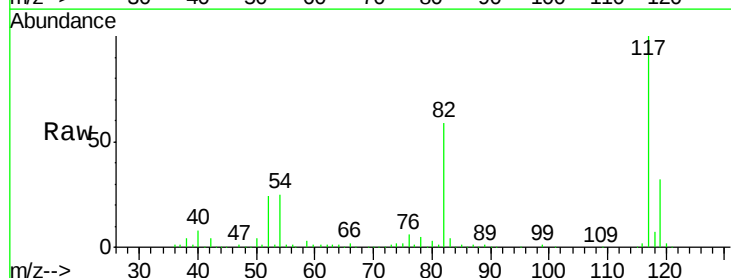
RT: 11.41 min Scan# 2996

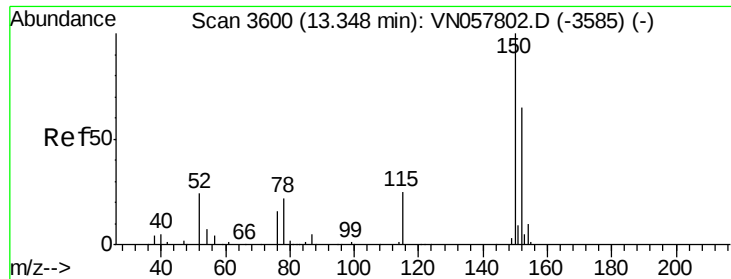
Delta R.T. 0.00 min

Lab File: VN058149.D

Acq: 17 Sep 2019 15:02

Tgt Ion:	117	Resp:	528261
Ion Ratio	Lower	Upper	
117	100		
82	58.6	47.2	70.8
119	31.6	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058149.D

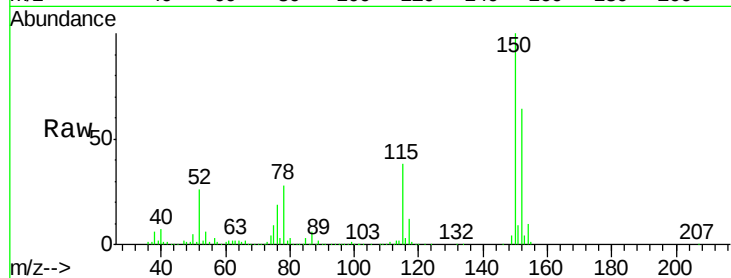
Acq: 17 Sep 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

GRAB-40150



Tot Ion	Ratio	Resp	Lower	Upper
152	100	294083		
115	60.8	30.3	91.0	
150	155.8	0.0	352.4	

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