

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057943.D
 Acq On : 11 Sep 2019 22:45
 Operator : JC/SP
 Sample : K4835-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PZ-1

Quant Time: Sep 12 03:46:41 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

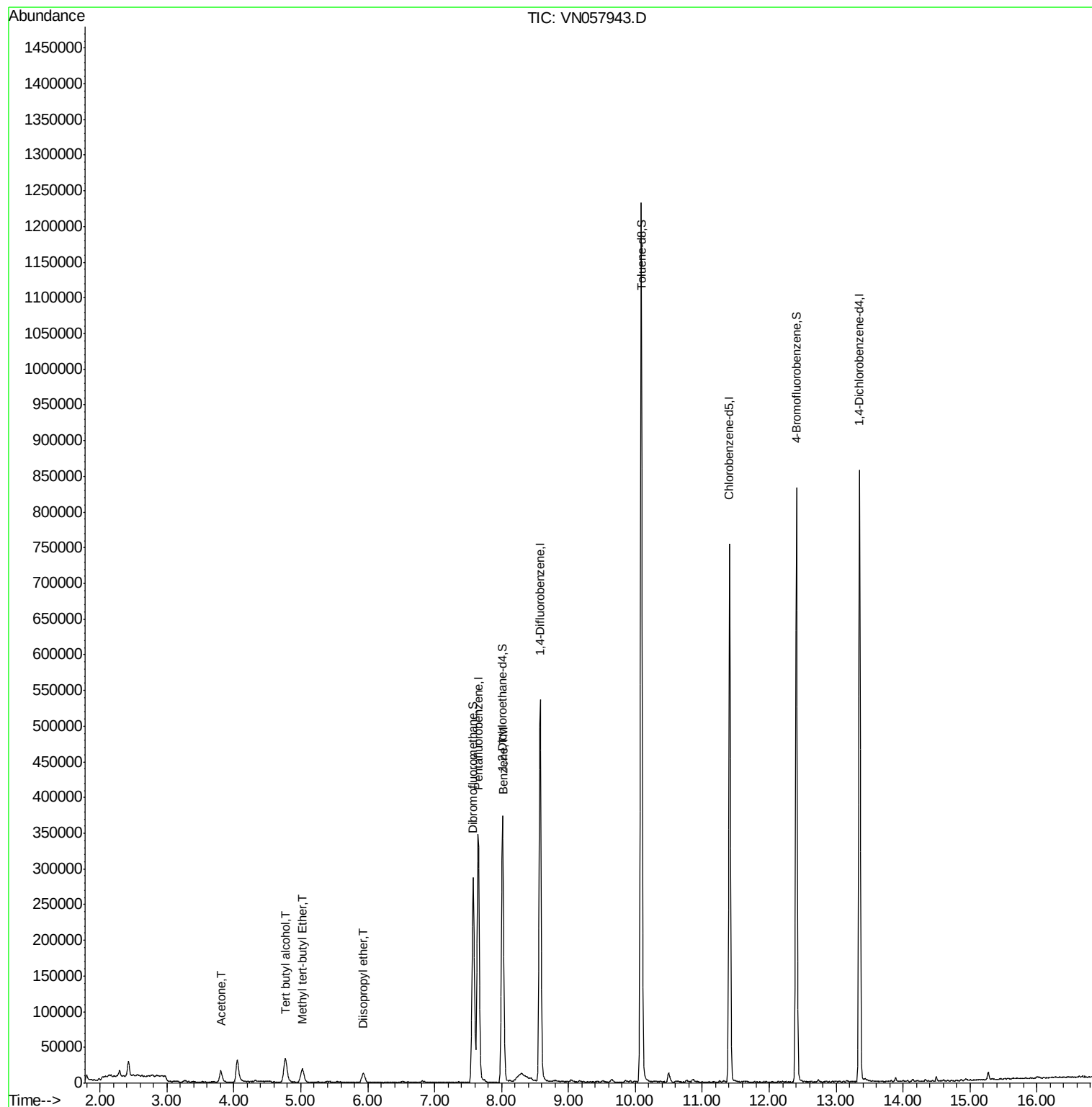
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	264927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	457918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	211112	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	315820	58.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.72%	
35) Dibromofluoromethane	7.58	113	215052	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
50) Toluene-d8	10.09	98	850325	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.41	95	277794	44.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.84%	
Target Compounds						
11) Tert butyl alcohol	4.77	59	55911	86.091	ug/l	97
16) Acetone	3.81	43	26290	14.946	ug/l	95
19) Methyl tert-butyl Ether	5.02	73	29776	2.536	ug/l #	91
22) Diisopropyl ether	5.94	45	17503	1.352	ug/l #	85
40) Benzene	8.03	78	9542	0.597	ug/l	95

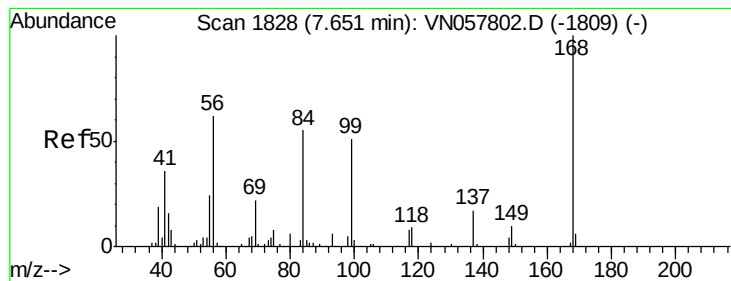
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1829

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampleId :

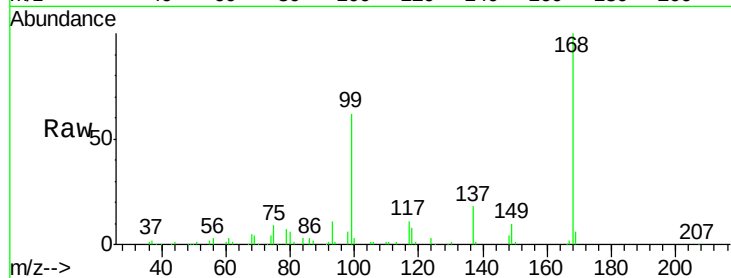
PZ-1

Tot Ion:168 Resp: 264927

Ion Ratio Lower Upper

168 100

99 62.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

120000

100000

80000

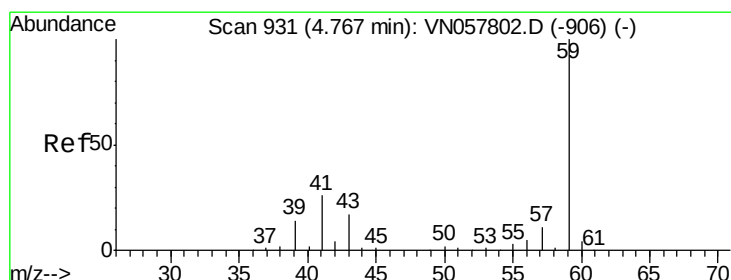
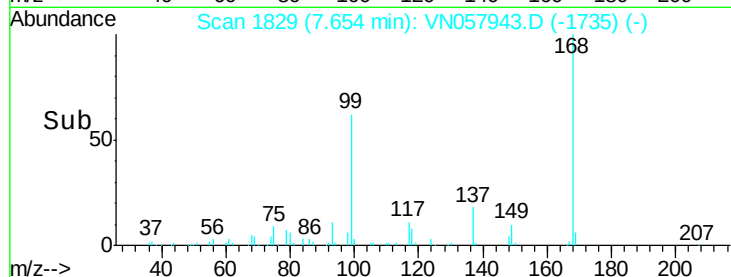
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 86.091 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN057943.D

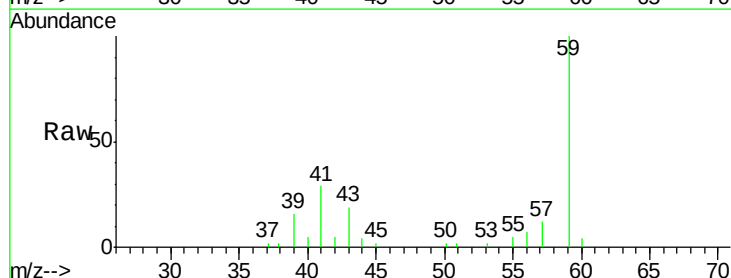
Acq: 11 Sep 2019 22:45

Tgt Ion: 59 Resp: 55911

Ion Ratio Lower Upper

59 100

57 11.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.77

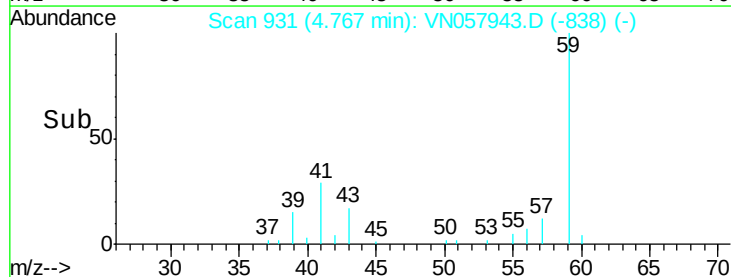
15000

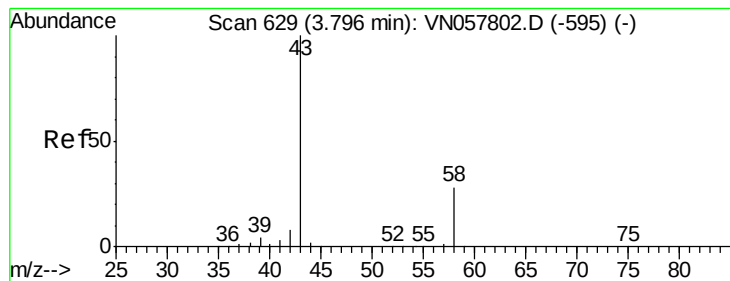
10000

5000

0

Time-->





#16

Acetone

Concen: 14.946 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampled :

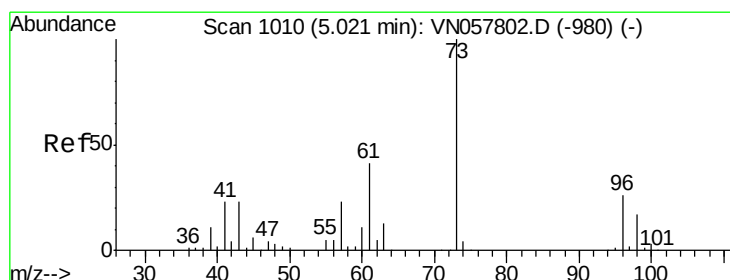
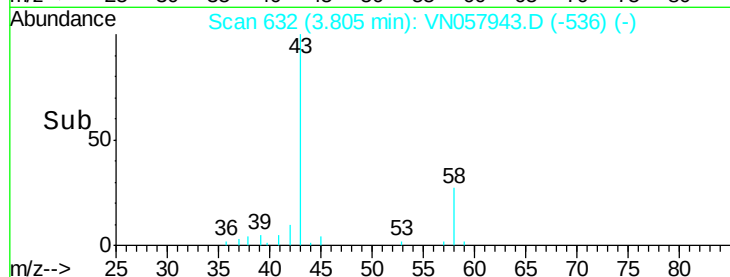
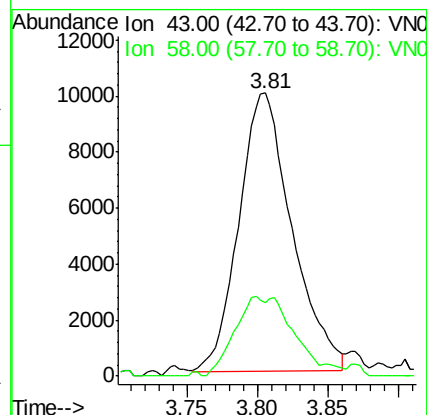
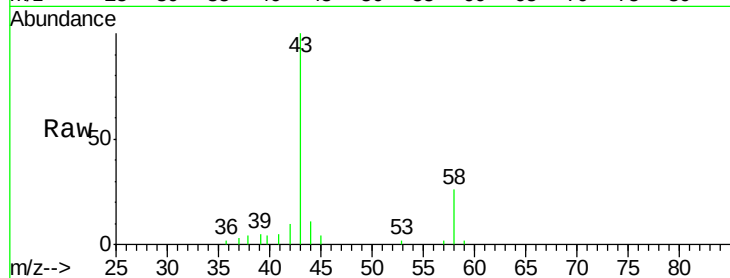
PZ-1

Tot Ion: 43 Resp: 26290

Ion Ratio Lower Upper

43 100

58 25.1 22.2 33.2



#19

Methyl tert-butyl Ether

Concen: 2.536 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN057943.D

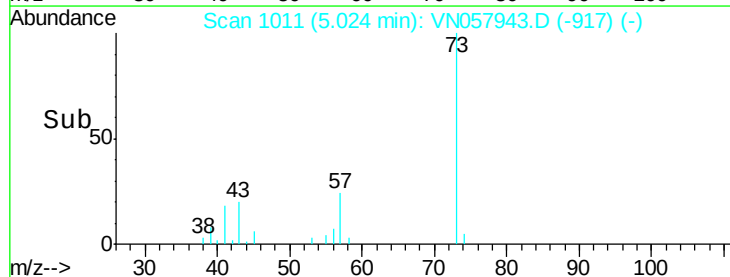
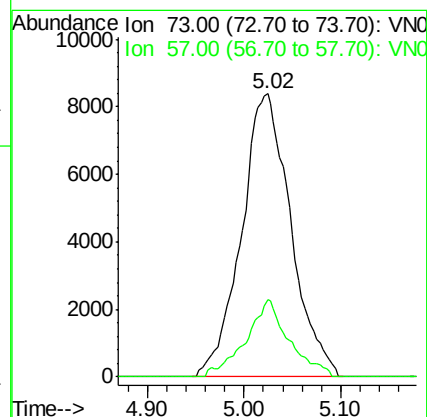
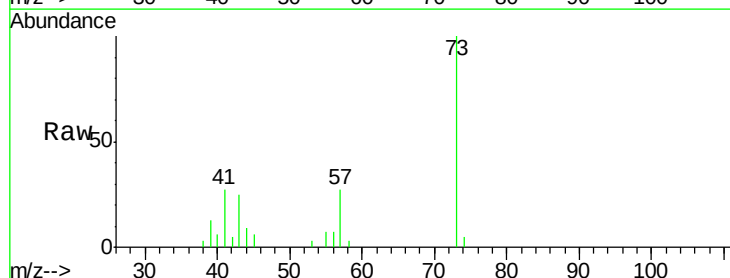
Acq: 11 Sep 2019 22:45

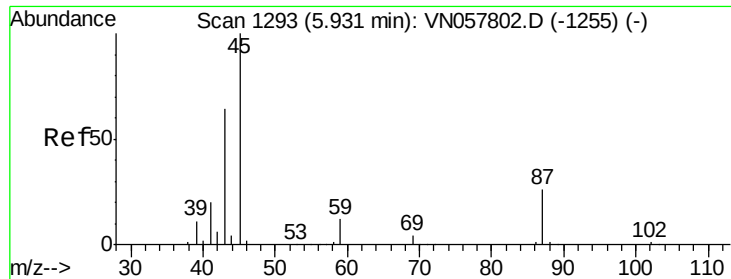
Tgt Ion: 73 Resp: 29776

Ion Ratio Lower Upper

73 100

57 27.3 18.2 27.2#





#22

Diisopropyl ether

Concen: 1.352 ug/l

RT: 5.94 min Scan# 1296

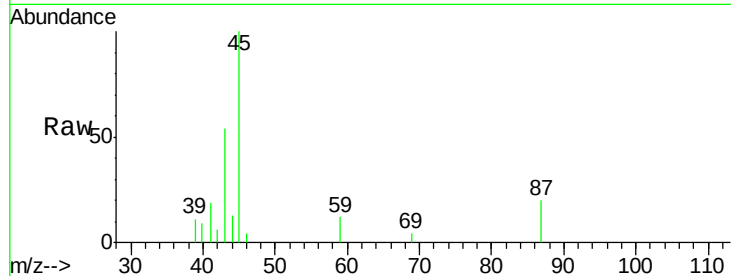
Delta R.T. 0.01 min

Lab File: VN057943.D

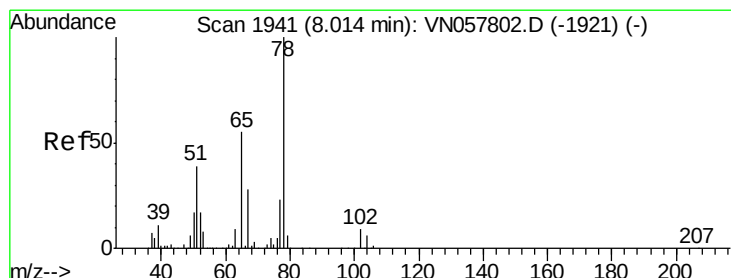
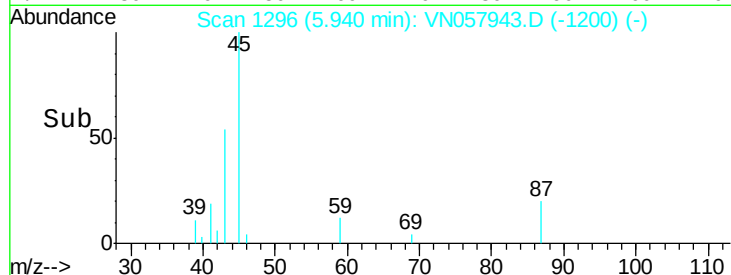
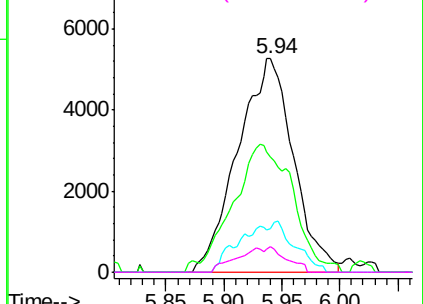
Acq: 11 Sep 2019 22:45

Instrument :
MSVOA_N
ClientSampled :
PZ-1

Tot Ion:	45	Resp:	17503
Ion	Ratio	Lower	Upper
45	100		
43	50.2	51.4	77.2#
87	20.2	21.3	31.9#
59	11.8	9.3	13.9



Abundance Ion 45.00 (44.70 to 45.70): VN057802.D (-1255) (-)



#33

1,2-Dichloroethane-d4

Concen: 58.857 ug/l

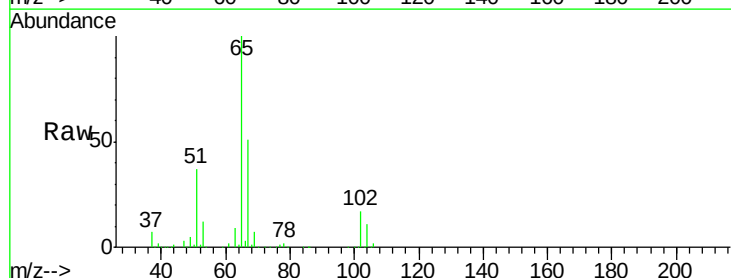
RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

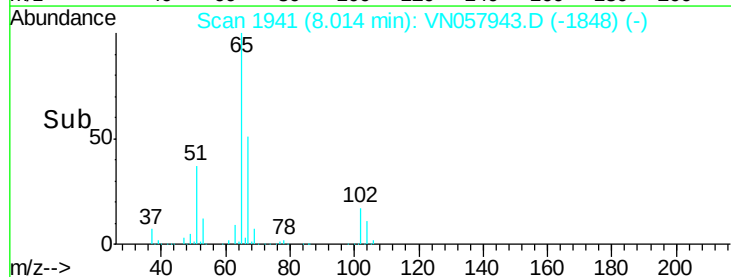
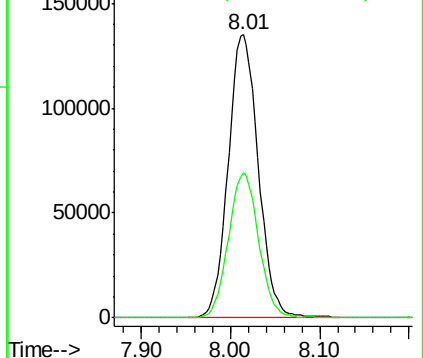
Lab File: VN057943.D

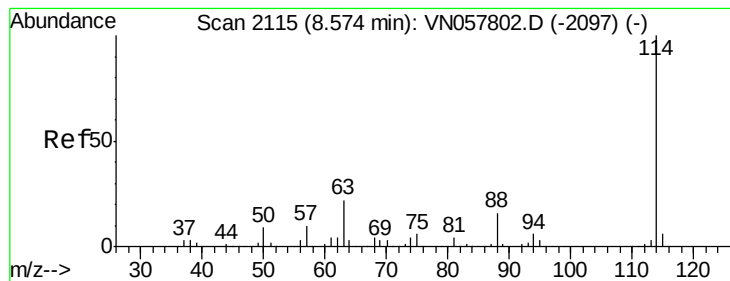
Acq: 11 Sep 2019 22:45

Tgt Ion:	65	Resp:	315820
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampleId :

PZ-1

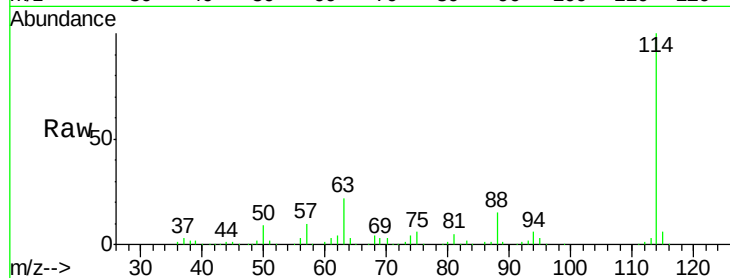
Tot Ion:114 Resp: 457918

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

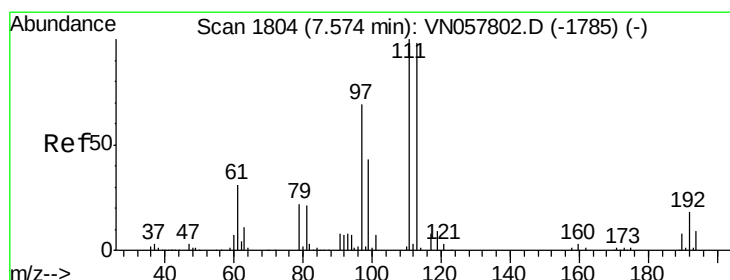
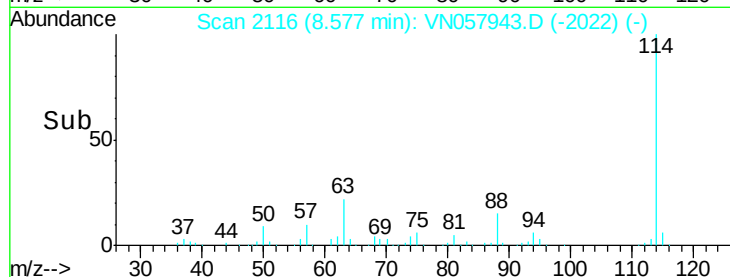
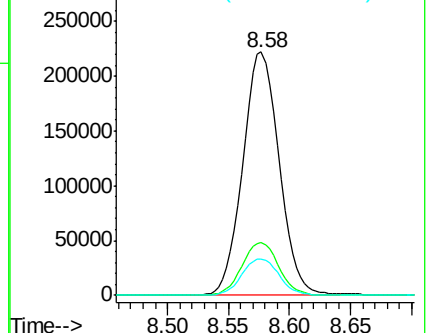
88 15.1 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 50.883 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

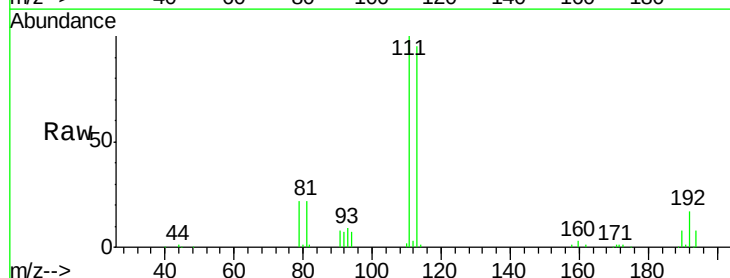
Tgt Ion:113 Resp: 215052

Ion Ratio Lower Upper

113 100

111 102.8 81.3 121.9

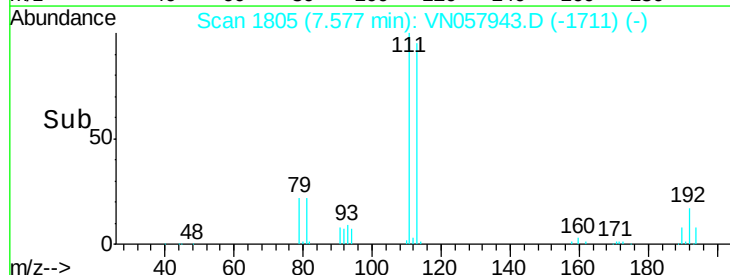
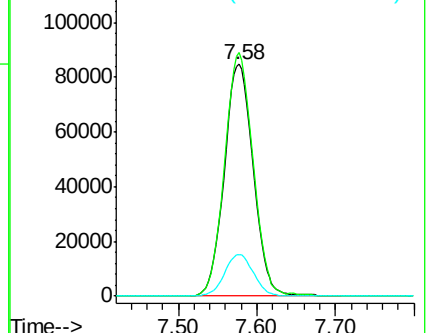
192 18.0 14.6 22.0

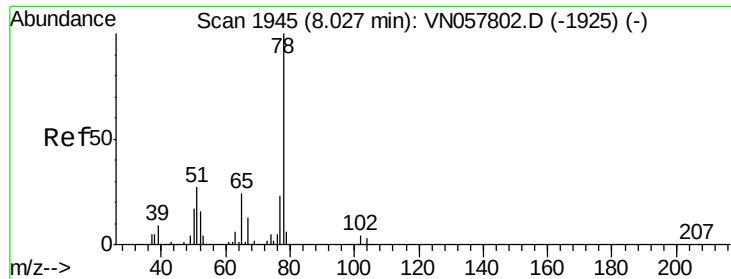


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.597 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampleId :

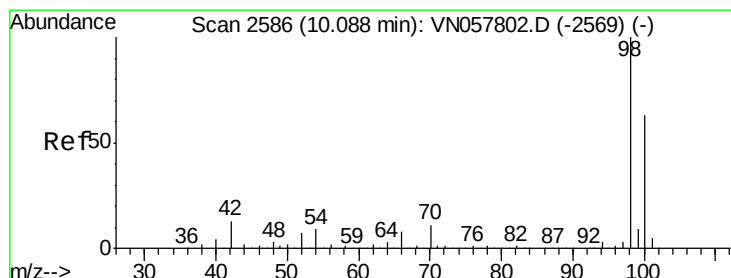
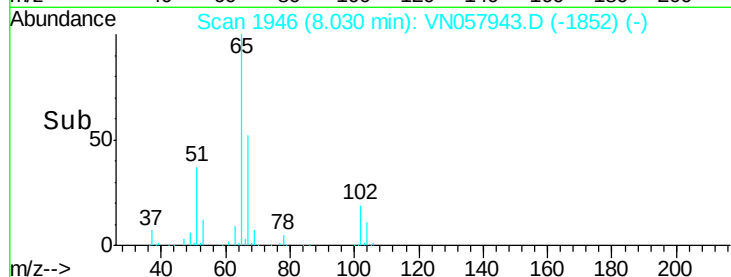
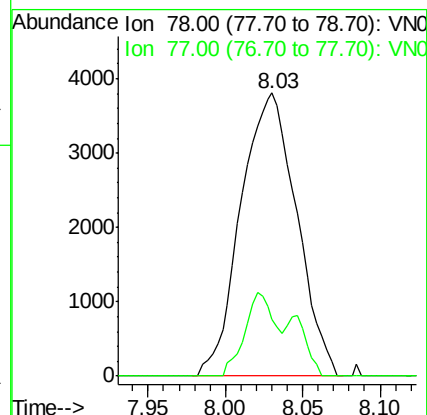
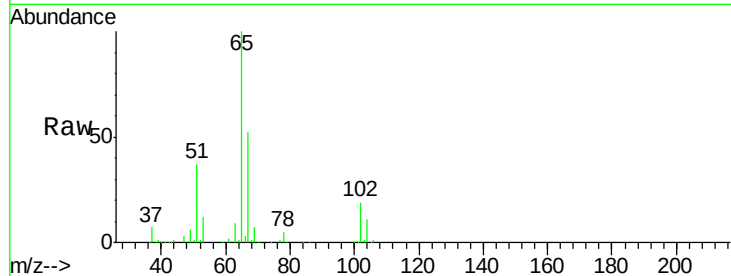
PZ-1

Tot Ion: 78 Resp: 9542

Ion Ratio Lower Upper

78 100

77 20.3 18.3 27.5



#50

Toluene-d8

Concen: 51.820 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057943.D

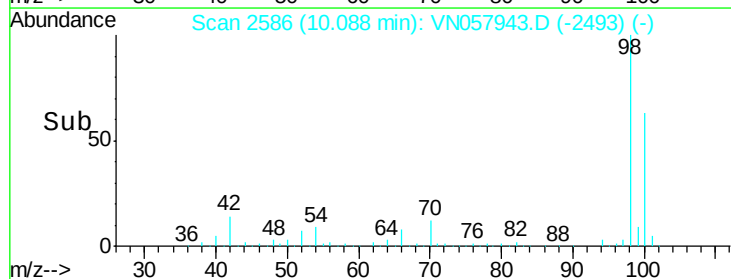
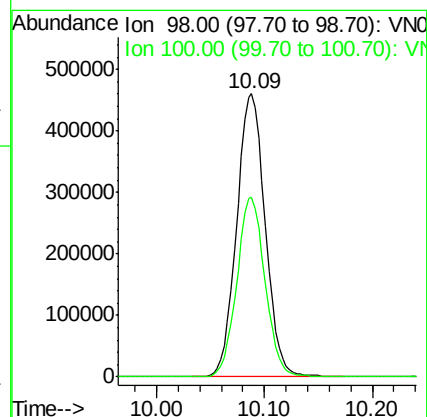
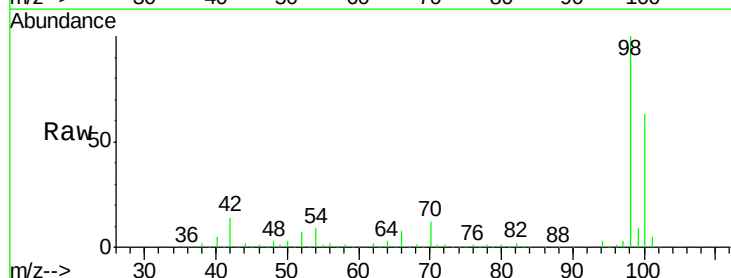
Acq: 11 Sep 2019 22:45

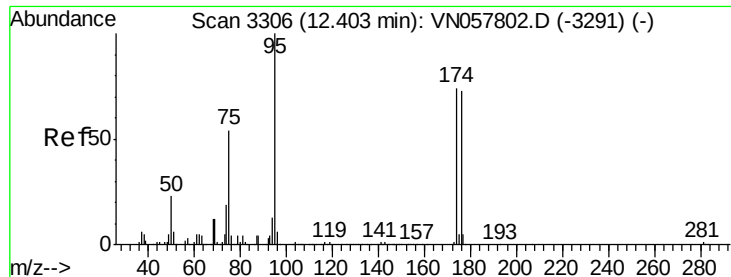
Tgt Ion: 98 Resp: 850325

Ion Ratio Lower Upper

98 100

100 63.0 50.3 75.5





#62

4-Bromofluorobenzene

Concen: 44.423 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampleId :

PZ-1

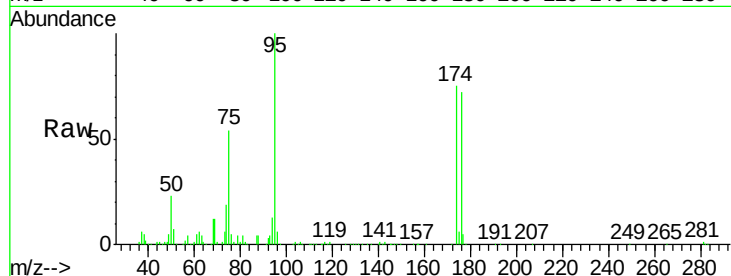
Tot Ion: 95 Resp: 277794

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.2

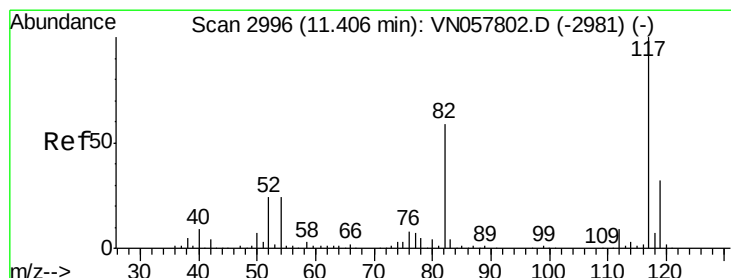
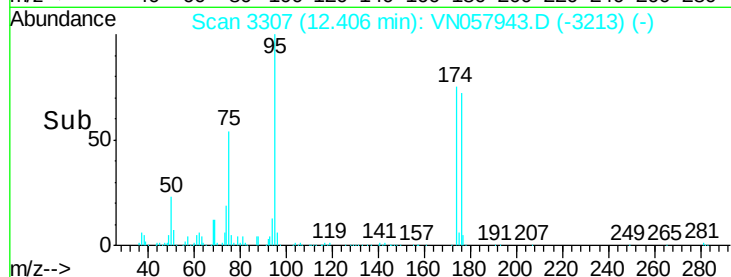
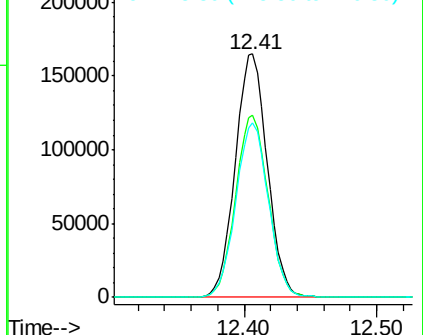
176 72.9 0.0 146.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

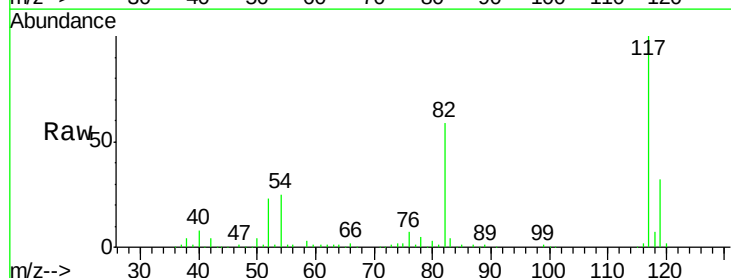
Tgt Ion: 117 Resp: 408711

Ion Ratio Lower Upper

117 100

82 59.5 47.2 70.8

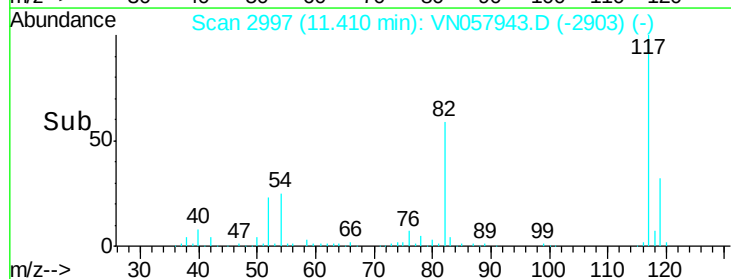
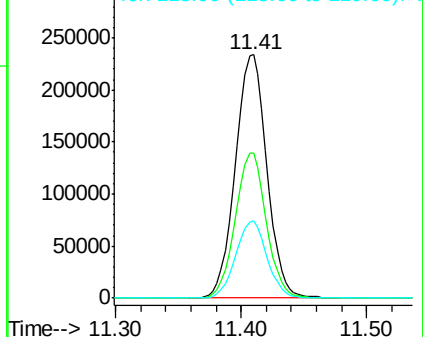
119 31.7 25.3 37.9

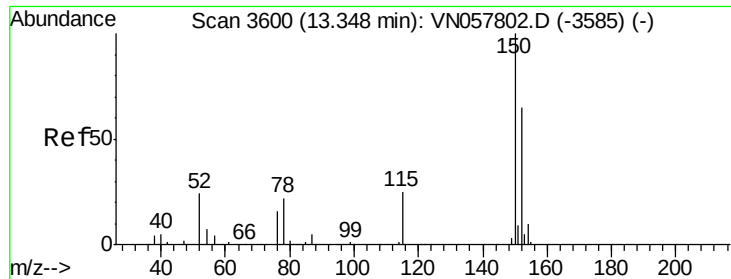


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057943.D

Acq: 11 Sep 2019 22:45

Instrument :

MSVOA_N

ClientSampleId :

PZ-1

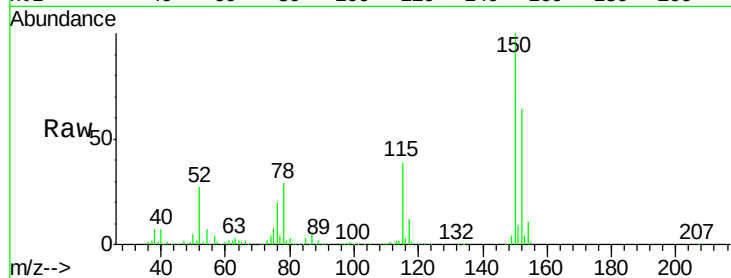
Tot Ion:152 Resp: 211112

Ion Ratio Lower Upper

152 100

115 61.4 30.3 91.0

150 159.6 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

