

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058180.D
 Acq On : 18 Sep 2019 22:02
 Operator : JC/SP
 Sample : K4940-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30356

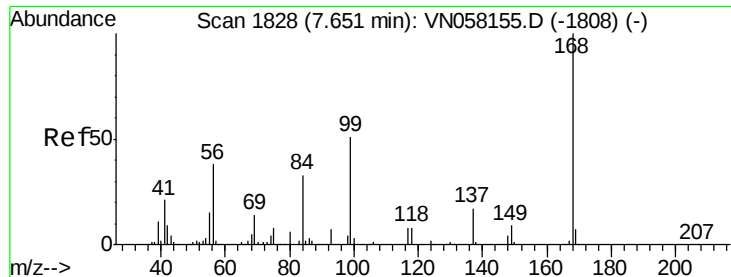
Quant Time: Sep 19 07:08:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 02:07:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	606298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	960214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	817181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	345045	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	391717	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
35) Dibromofluoromethane	7.57	113	274487	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	10.08	98	1125835	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.40	95	372901	44.14	ug/l	0.00
Spiked Amount			Recovery	=	88.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	161857	56.467	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	95543	5.168	ug/l	98
22) Diisopropyl ether	5.93	45	26929	1.322	ug/l	91
25) 2-Butanone	6.82	43	112898	28.910	ug/l	99
29) Tetrahydrofuran	7.20	42	6442	2.678	ug/l #	89
40) Benzene	8.03	78	476756	22.542	ug/l	99
52) Toluene	10.15	92	430068	32.446	ug/l	100
67) Ethyl Benzene	11.51	91	57804	2.347	ug/l	99
68) m/p-Xylenes	11.62	106	75527	8.142	ug/l	98
69) o-Xylene	11.95	106	56986	6.248	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	93057	5.120	ug/l	99
95) Naphthalene	15.13	128	270511	16.413	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058180.D

Acq: 18 Sep 2019 22:02

Instrument :

MSVOA_N

ClientSampleId :

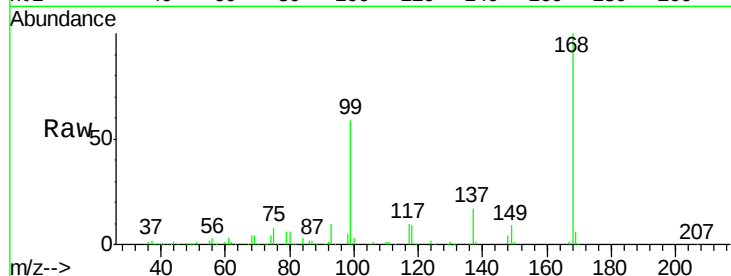
30356

Tot Ion:168 Resp: 606298

Ion Ratio Lower Upper

168 100

99 59.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

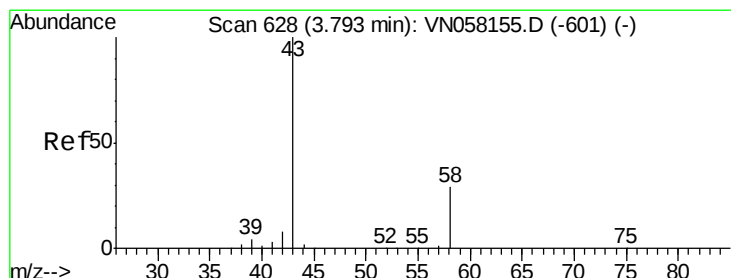
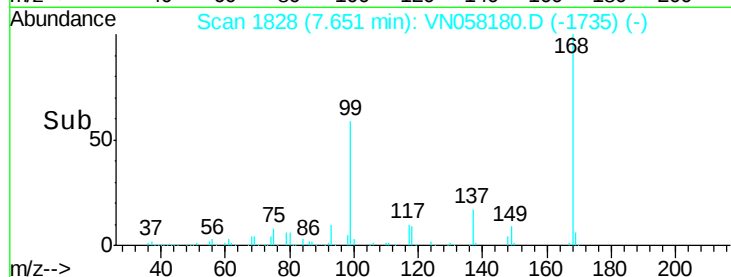
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 56.467 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058180.D

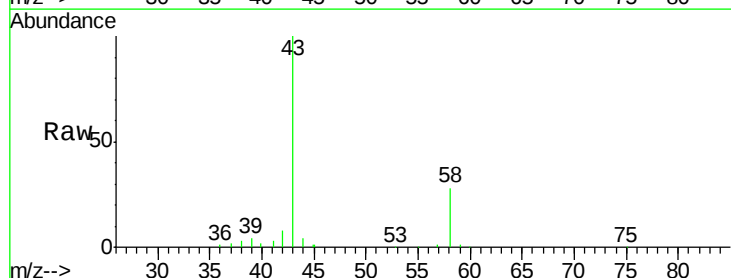
Acq: 18 Sep 2019 22:02

Tgt Ion: 43 Resp: 161857

Ion Ratio Lower Upper

43 100

58 28.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

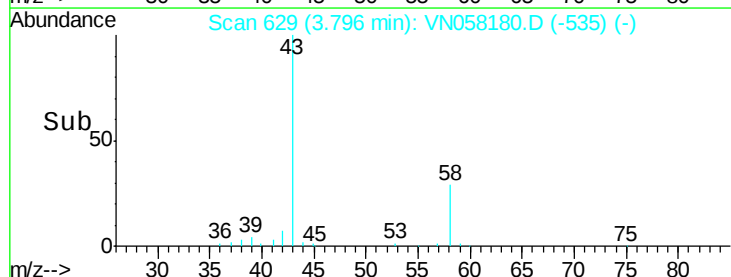
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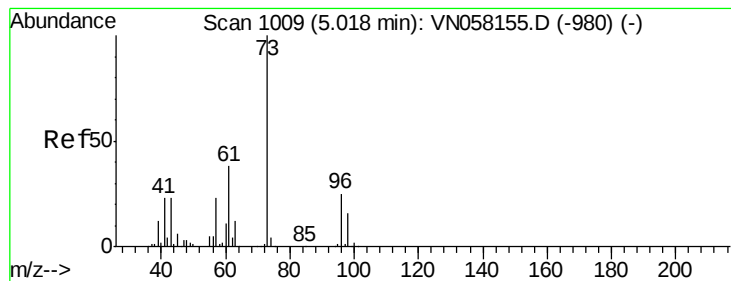
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20000

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Time-->



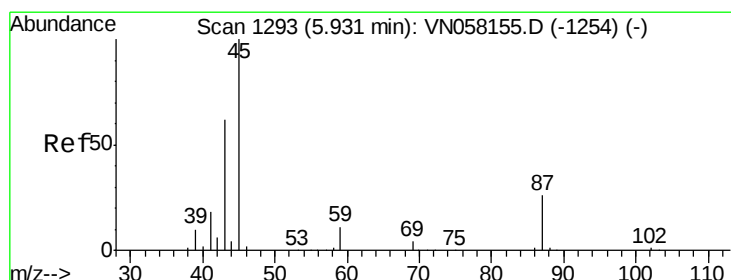
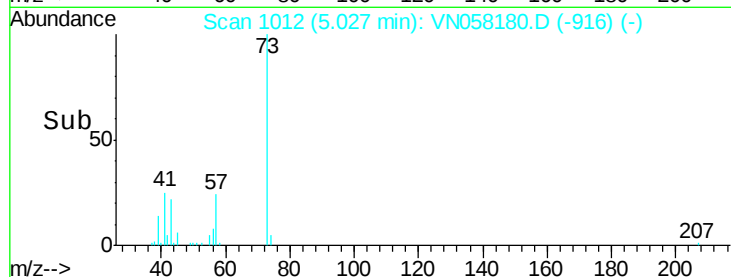
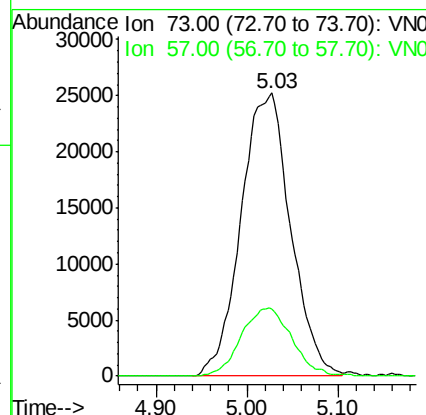
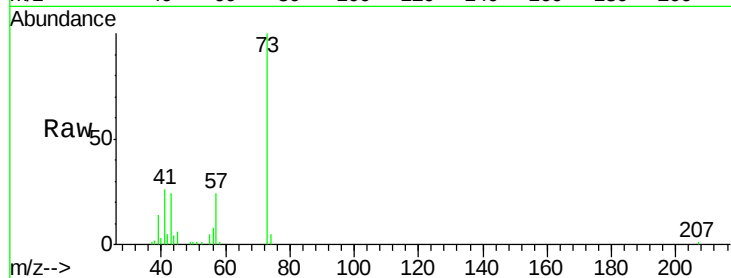


#19

Methvl tert-butvl Ether
 Concen: 5.168 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VN058180.D
 Acq: 18 Sep 2019 22:02

Instrument :
 MSVOA_N
 ClientSampled :
 30356

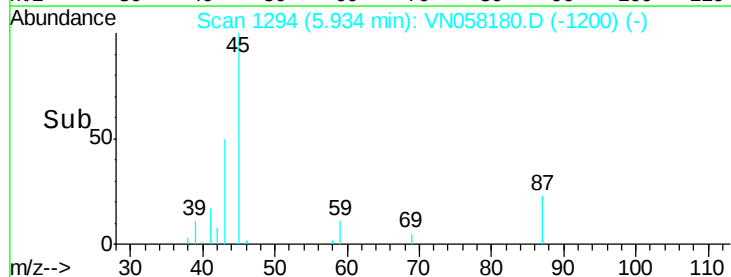
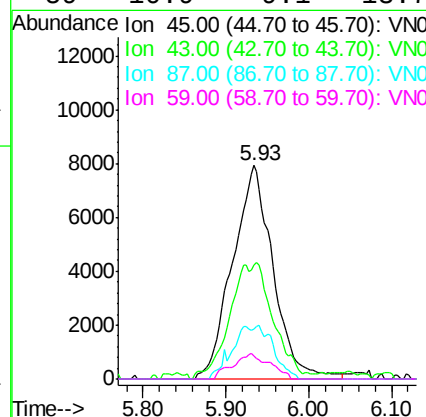
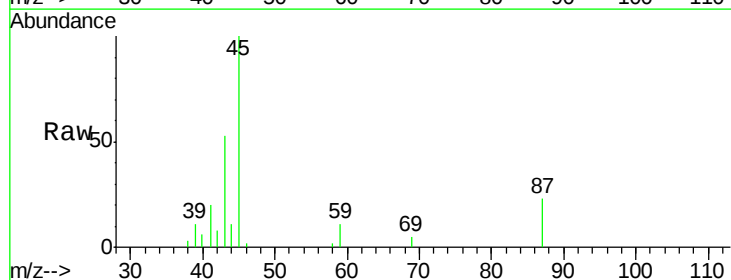
Tot Ion: 73 Resp: 95543
 Ion Ratio Lower Upper
 73 100
 57 23.8 18.1 27.1

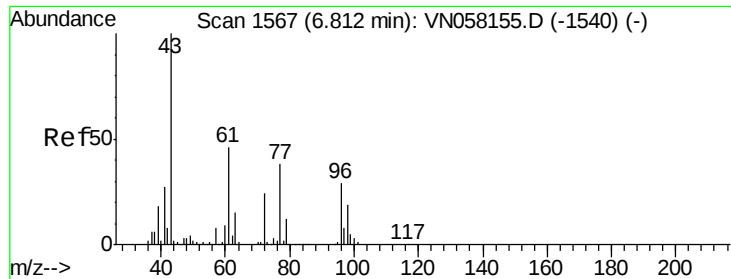


#22

Diisopropyl ether
 Concen: 1.322 ug/l
 RT: 5.93 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VN058180.D
 Acq: 18 Sep 2019 22:02

Tgt Ion: 45 Resp: 26929
 Ion Ratio Lower Upper
 45 100
 43 53.1 49.7 74.5
 87 23.3 20.7 31.1
 59 10.9 9.1 13.7

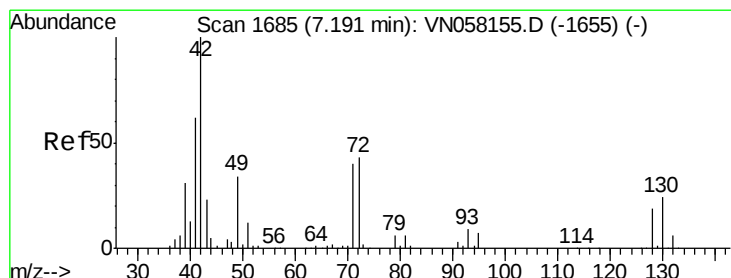
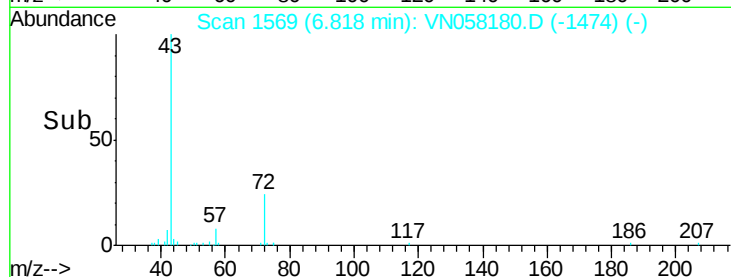
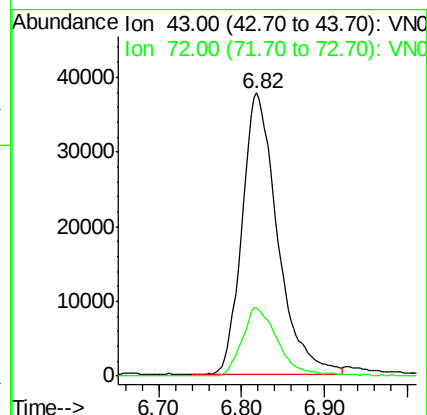
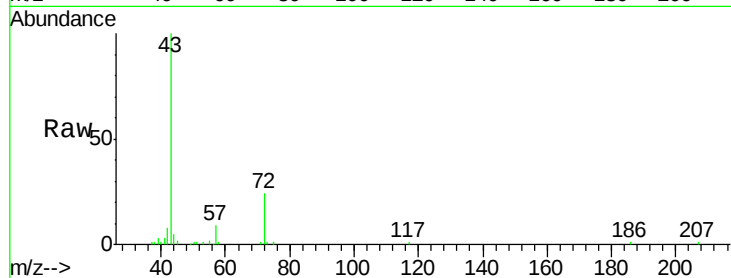




#25
2-Butanone
Concen: 28.910 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058180.D
Acq: 18 Sep 2019 22:02

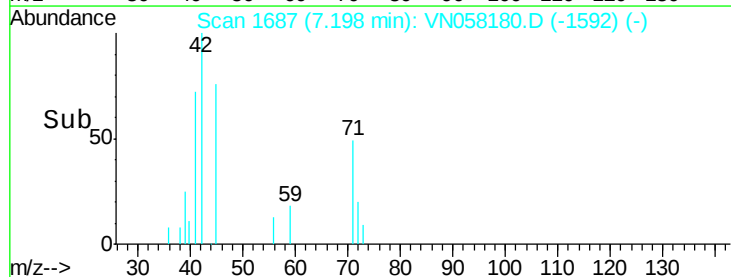
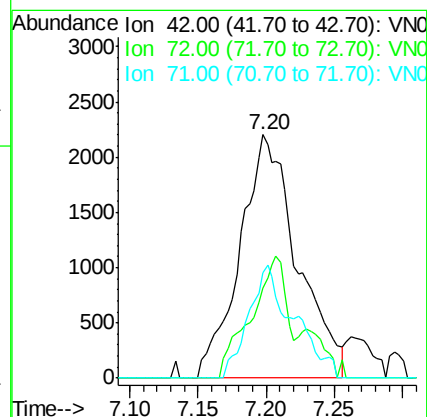
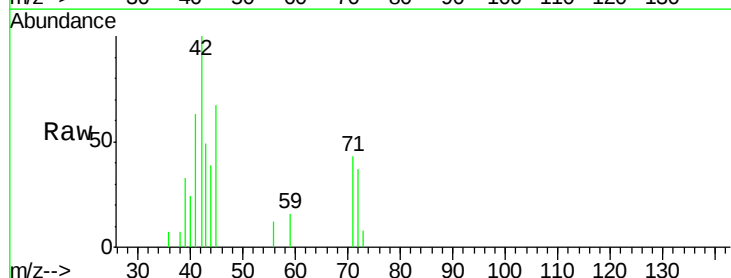
Instrument :
MSVOA_N
ClientSampleId :
30356

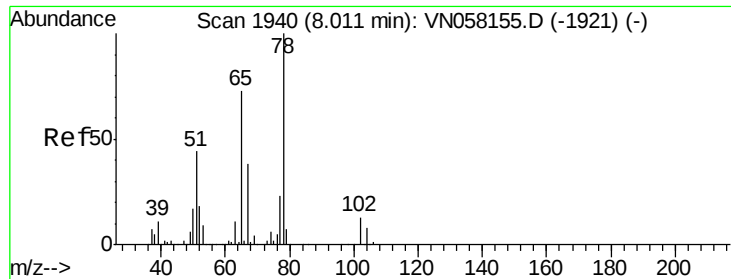
Tot Ion: 43 Resp: 112898
Ion Ratio Lower Upper
43 100
72 24.1 19.5 29.3



#29
Tetrahydrofuran
Concen: 2.678 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058180.D
Acq: 18 Sep 2019 22:02

Tgt Ion: 42 Resp: 6442
Ion Ratio Lower Upper
42 100
72 31.1 33.8 50.6#
71 36.3 31.4 47.0





#33

1,2-Dichloroethane-d4

Concen: 46.387 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058180.D

Acq: 18 Sep 2019 22:02

Instrument :

MSVOA_N

ClientSampleId :

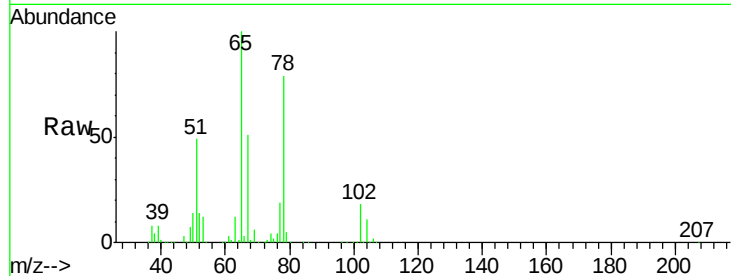
30356

Tot Ion: 65 Resp: 391717

Ion Ratio Lower Upper

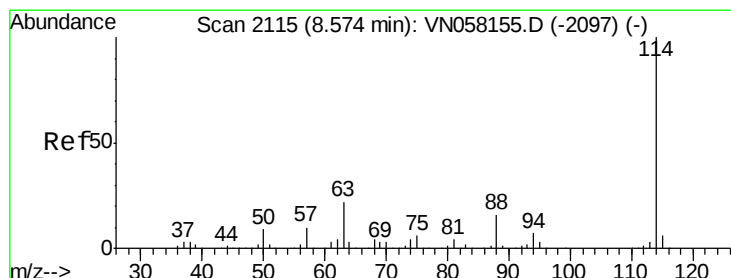
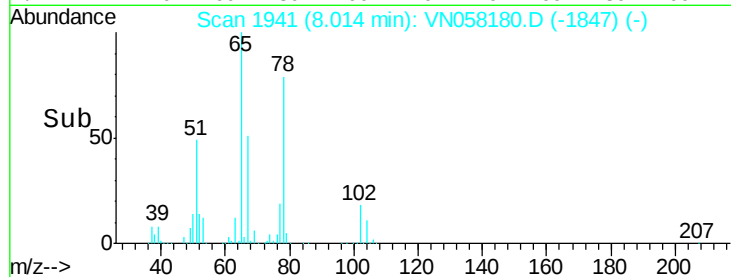
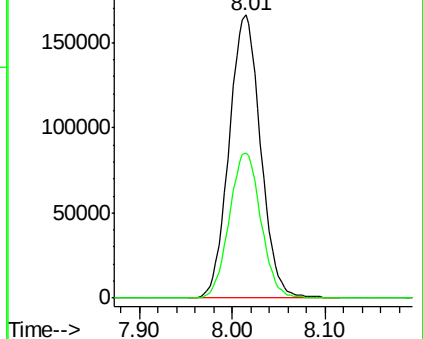
65 100

67 51.4 0.0 103.4



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: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058180.D

Acq: 18 Sep 2019 22:02

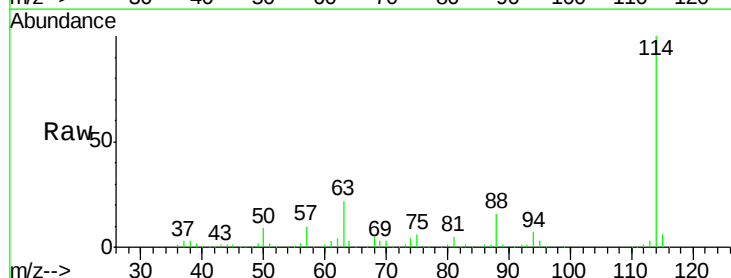
Tgt Ion: 114 Resp: 960214

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

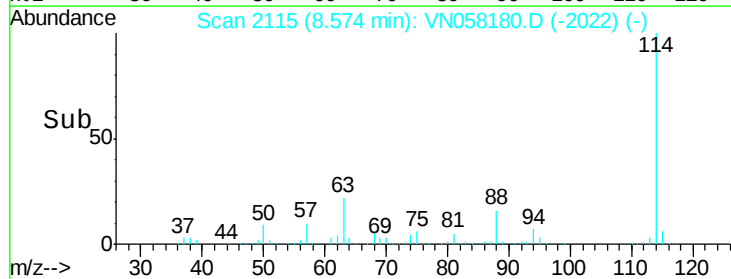
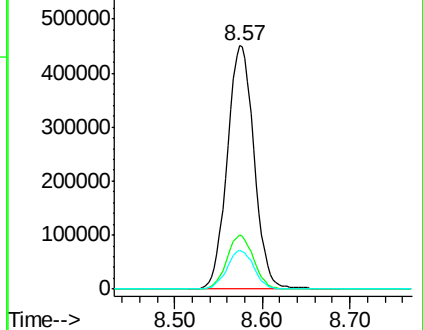
88 15.7 0.0 31.6

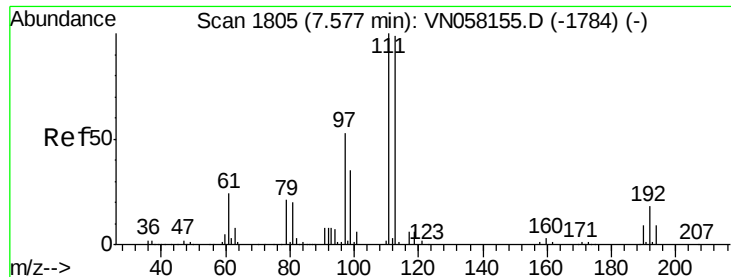


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

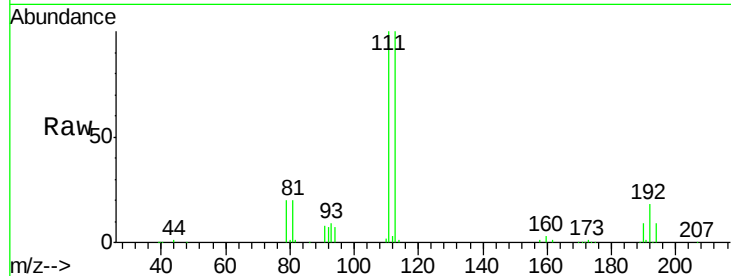




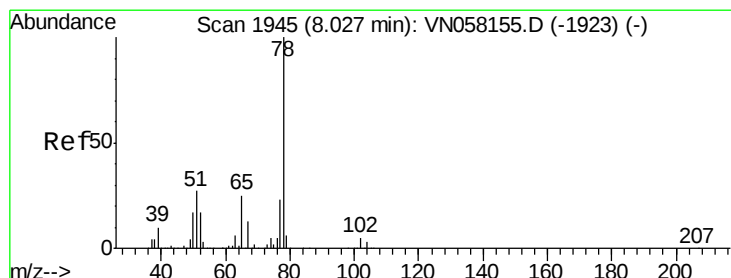
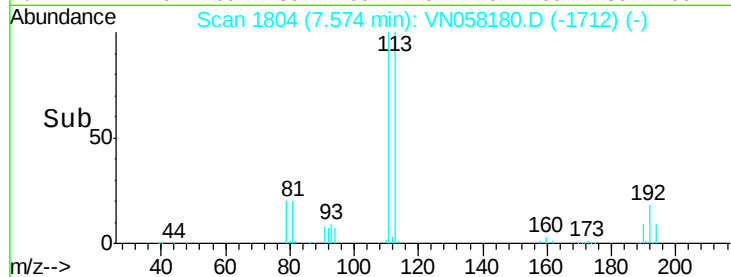
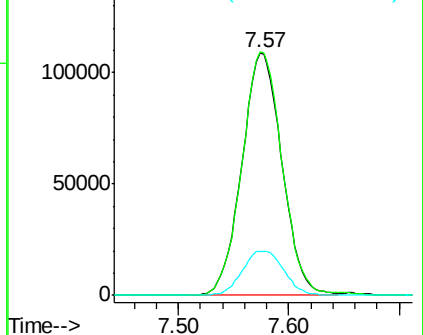
#35
 Dibromofluoromethane
 Concen: 47.023 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058180.D
 Acq: 18 Sep 2019 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 30356

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.6
192	19.0	14.5	21.7

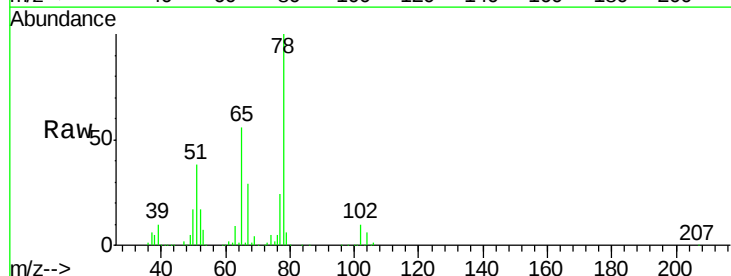


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

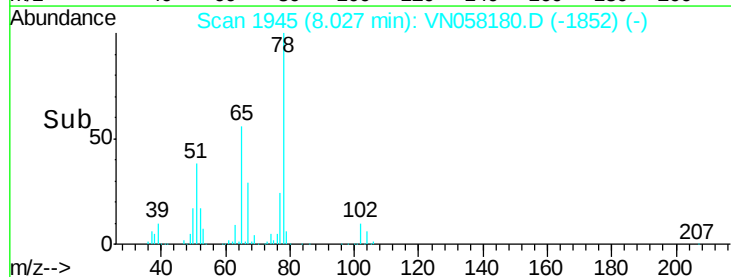
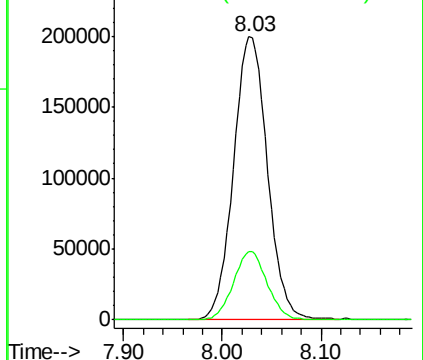


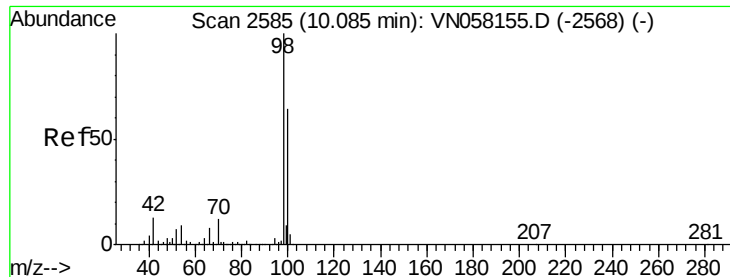
#40
 Benzene
 Concen: 22.542 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN058180.D
 Acq: 18 Sep 2019 22:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): V
 Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: 49.502 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058180.D

Acq: 18 Sep 2019 22:02

Instrument :

MSVOA_N

ClientSampleId :

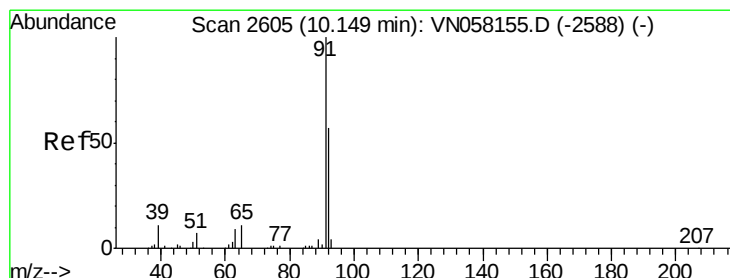
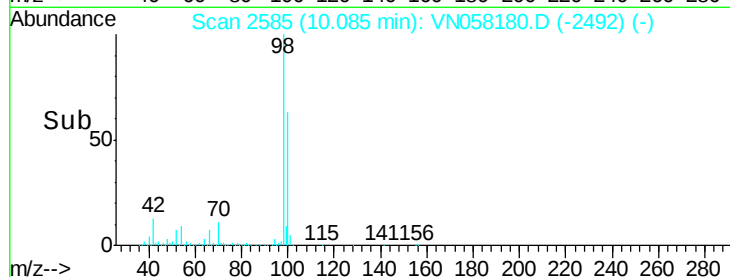
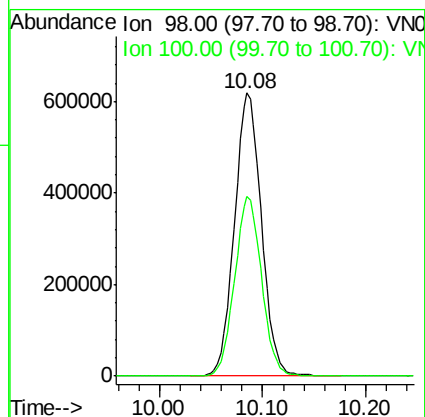
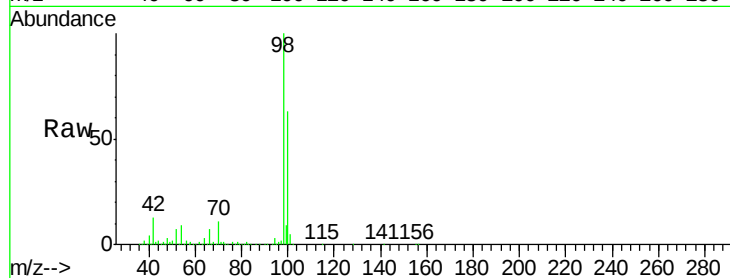
30356

Tot Ion: 98 Resp: 1125835

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#52

Toluene

Concen: 32.446 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058180.D

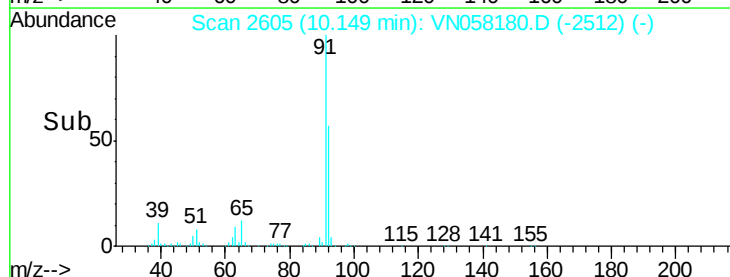
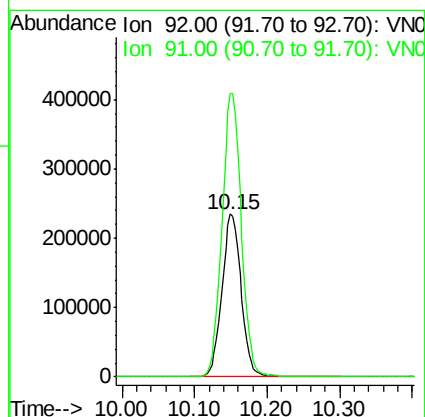
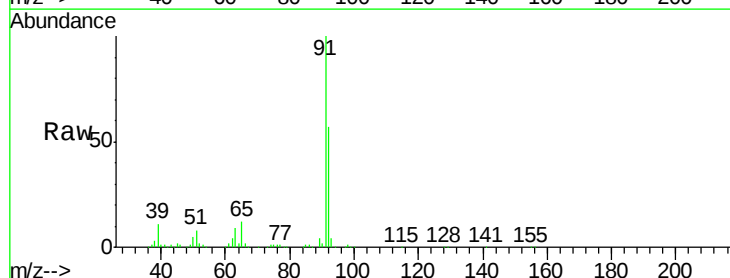
Acq: 18 Sep 2019 22:02

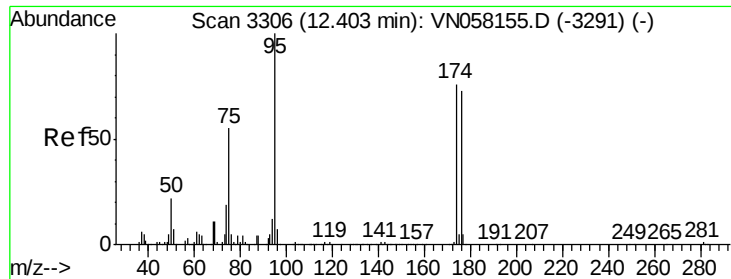
Tgt Ion: 92 Resp: 430068

Ion Ratio Lower Upper

92 100

91 175.1 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 44.139 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058180.D

Acq: 18 Sep 2019 22:02

Instrument :

MSVOA_N

ClientSampleId :

30356

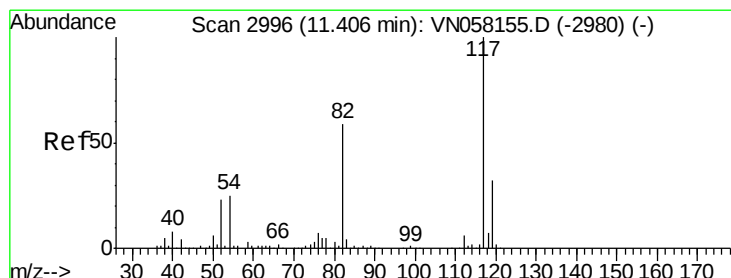
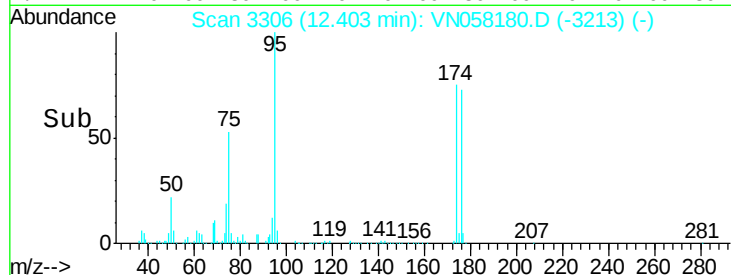
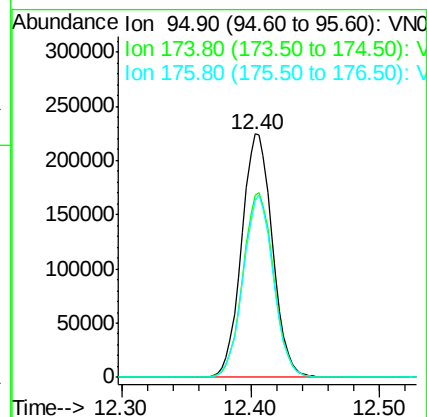
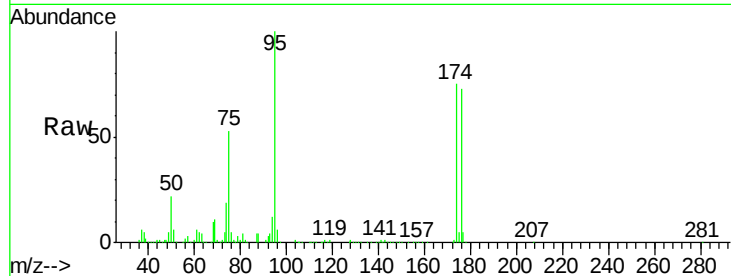
Tot Ion: 95 Resp: 372901

Ion Ratio Lower Upper

95 100

174 75.9 0.0 152.2

176 73.8 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058180.D

Acq: 18 Sep 2019 22:02

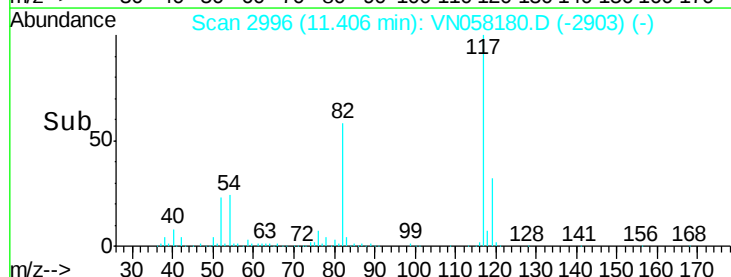
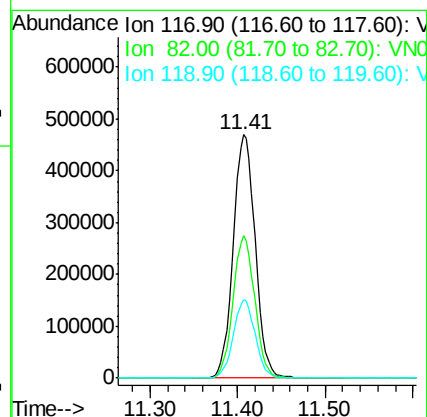
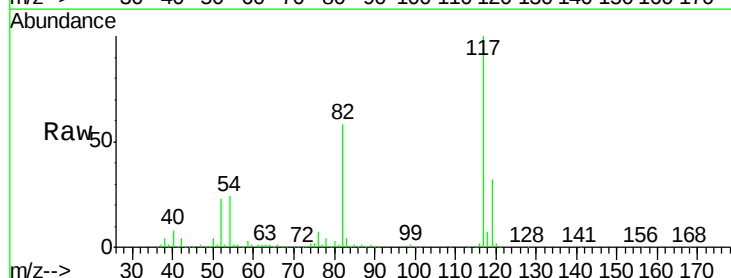
Tgt Ion: 117 Resp: 817181

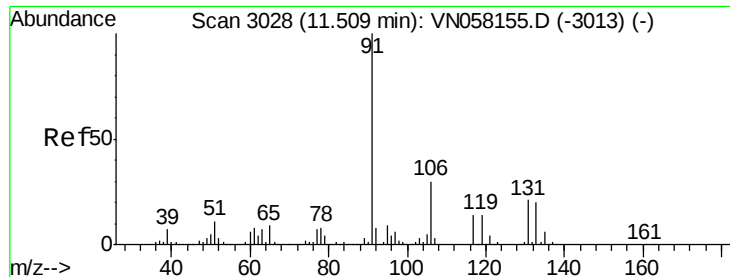
Ion Ratio Lower Upper

117 100

82 58.5 46.9 70.3

119 32.1 25.3 37.9

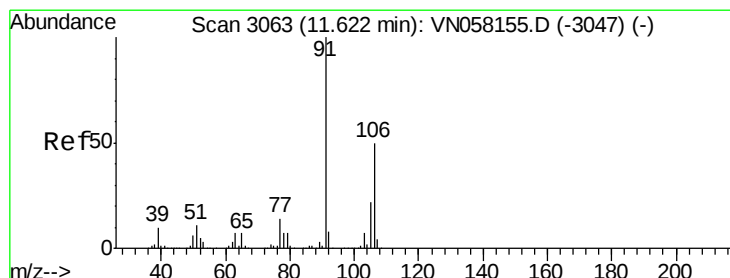
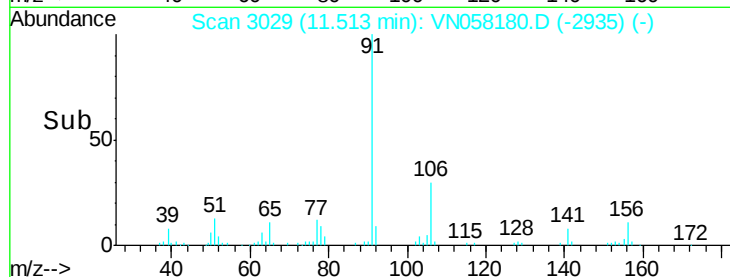
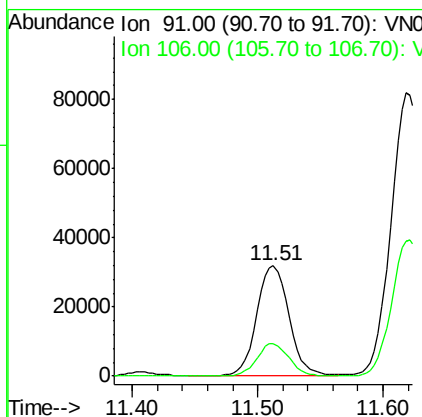
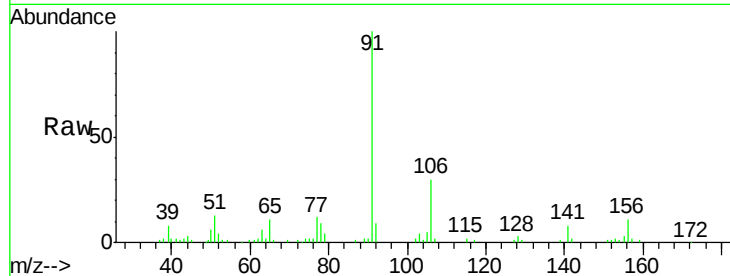




#67
Ethyl Benzene
Concen: 2.347 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058180.D
Acq: 18 Sep 2019 22:02

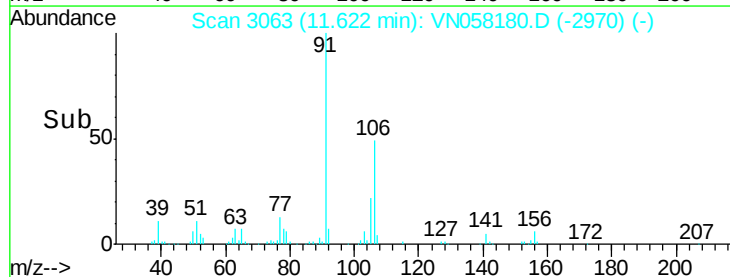
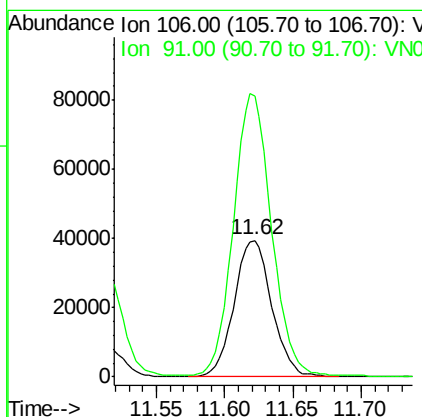
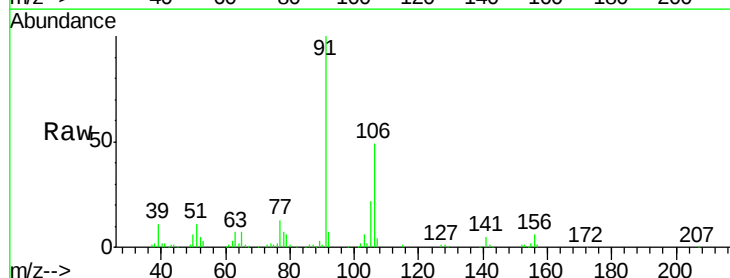
Instrument :
MSVOA_N
ClientSampled :
30356

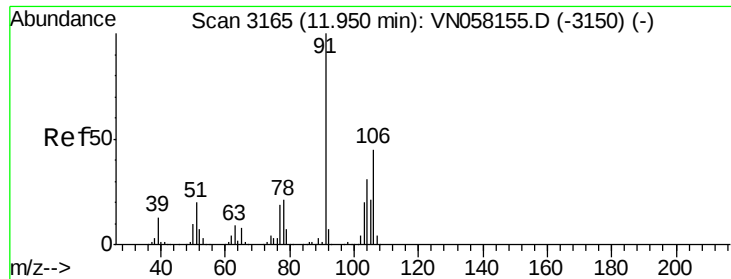
Tot Ion: 91 Resp: 57804
Ion Ratio Lower Upper
91 100
106 29.7 24.0 36.0



#68
m/p-Xylenes
Concen: 8.142 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058180.D
Acq: 18 Sep 2019 22:02

Tgt Ion: 106 Resp: 75527
Ion Ratio Lower Upper
106 100
91 208.1 163.6 245.4

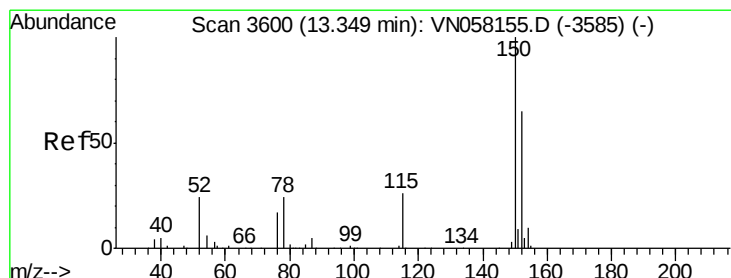
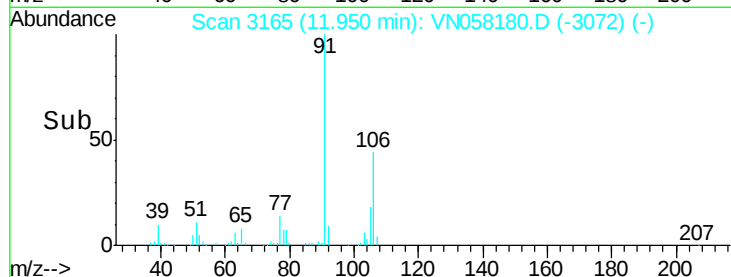
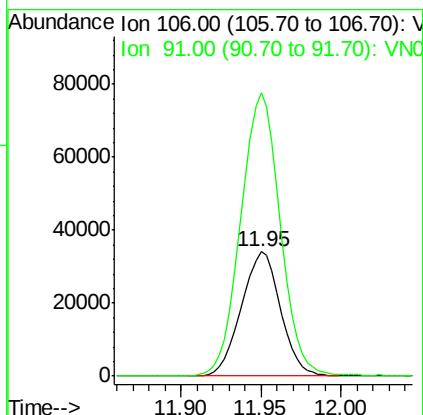
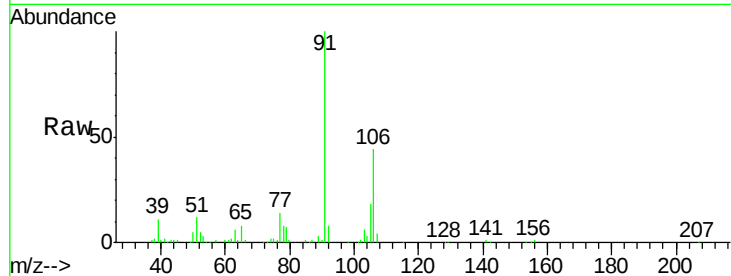




#69
o-Xylene
Concen: 6.248 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058180.D
Acq: 18 Sep 2019 22:02

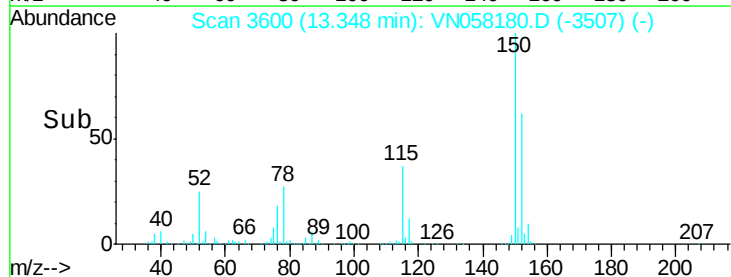
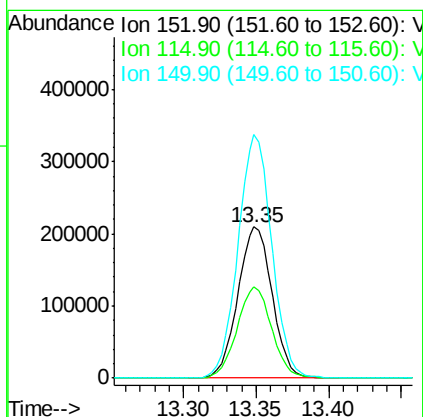
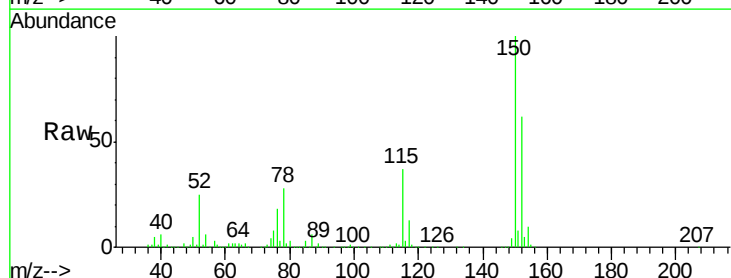
Instrument :
MSVOA_N
ClientSampled :
30356

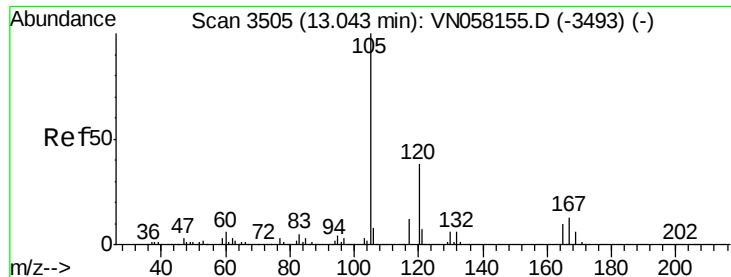
Tot Ion:106 Resp: 56986
Ion Ratio Lower Upper
106 100
91 226.5 111.8 335.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058180.D
Acq: 18 Sep 2019 22:02

Tgt Ion:152 Resp: 345045
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.3
150 158.7 0.0 346.4

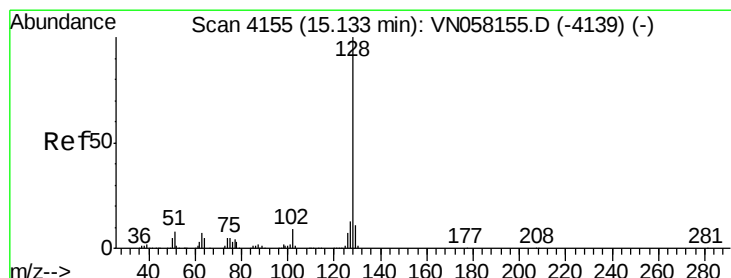
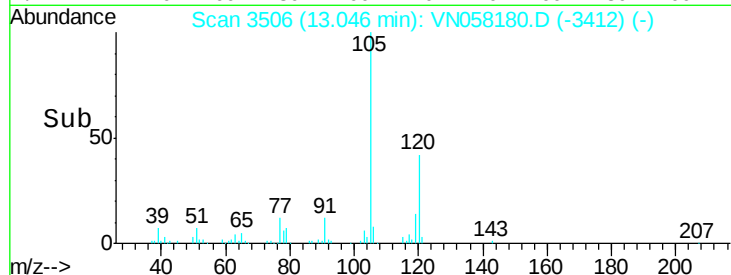
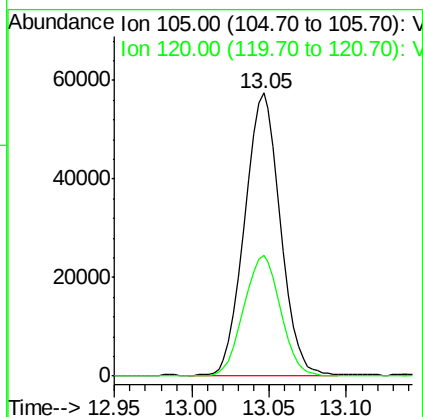
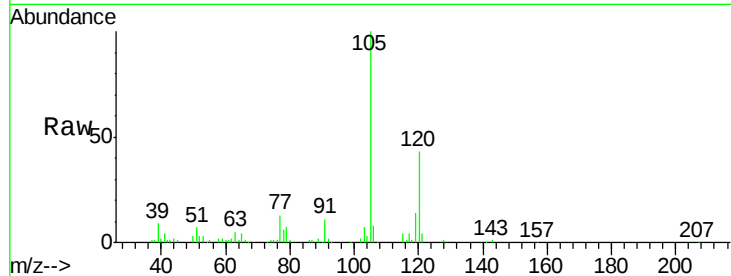




#84
 1,2,4-Trimethylbenzene
 Concen: 5.120 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058180.D
 Acq: 18 Sep 2019 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 30356

Tot Ion:105 Resp: 93057
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5



#95
 Naphthalene
 Concen: 16.413 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN058180.D
 Acq: 18 Sep 2019 22:02

Tgt Ion:128 Resp: 270511
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.2
 129 11.1 8.6 12.8

