

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013120\
 Data File : VN059957.D
 Acq On : 31 Jan 2020 18:43
 Operator : JC/MD
 Sample : L1329-16 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40230

Quant Time: Feb 03 03:48:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128725	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	107445	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
35) Dibromofluoromethane	7.57	113	91042	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	10.08	98	357839	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	125829	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	

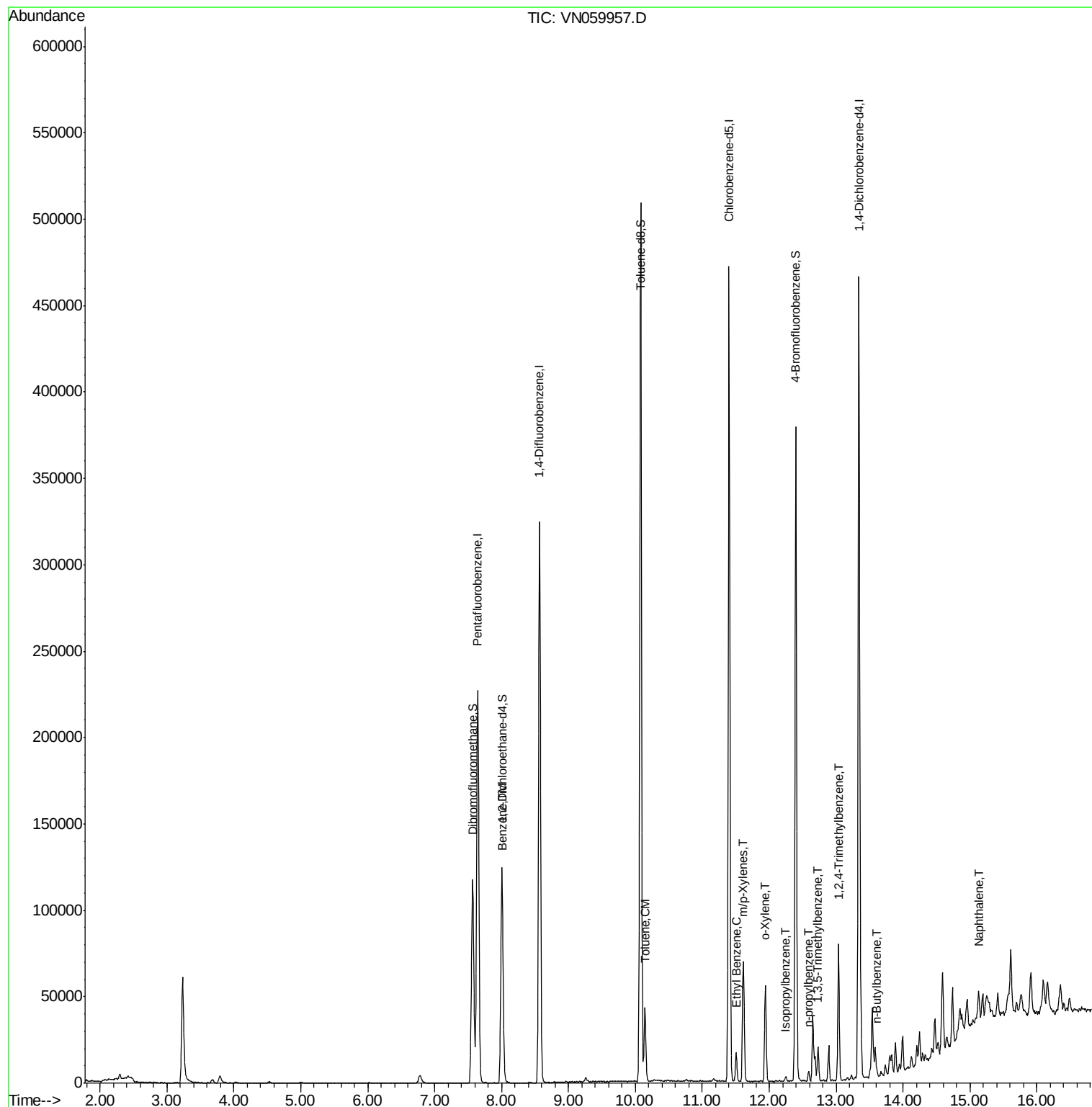
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
40) Benzene	8.02	78	3512	0.449	ug/l	96
52) Toluene	10.14	92	18601	3.769	ug/l	98
67) Ethyl Benzene	11.51	91	12904	1.318	ug/l	97
68) m/p-Xylenes	11.61	106	23336	6.311	ug/l	96
69) o-Xylene	11.94	106	15751	4.351	ug/l	97
73) Isopropylbenzene	12.25	105	1916	0.203	ug/l	91
78) n-propylbenzene	12.59	91	5221	0.493	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	10532	1.327	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	44959	5.724	ug/l	98
89) n-Butylbenzene	13.61	91	1809	0.254	ug/l #	79
95) Naphthalene	15.13	128	12933	1.843	ug/l	99

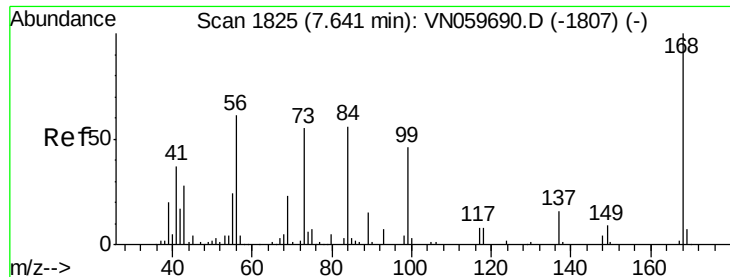
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013120\
Data File : VN059957.D
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Sample : L1329-16 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
40230

Quant Time: Feb 03 03:48:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059957.D

Acq: 31 Jan 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

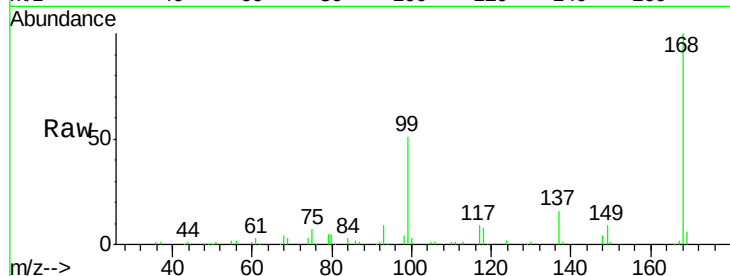
40230

Tot Ion:168 Resp: 196427

Ion Ratio Lower Upper

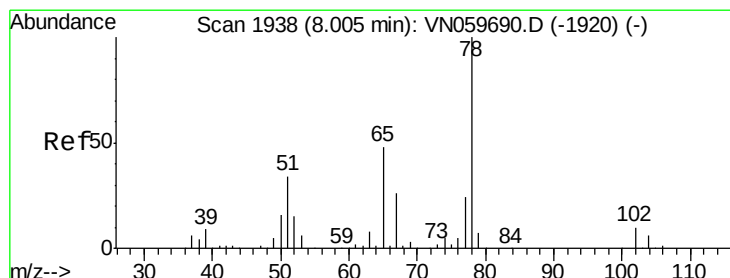
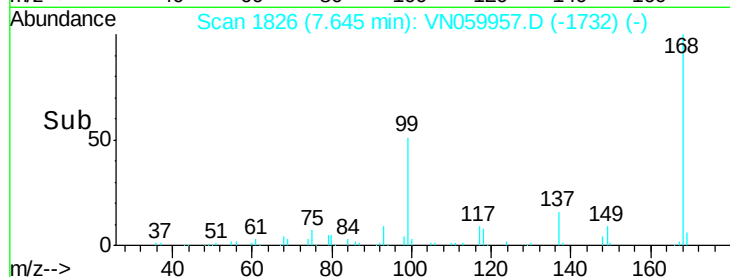
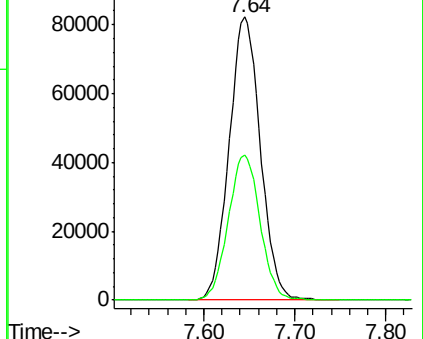
168 100

99 51.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 49.256 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059957.D

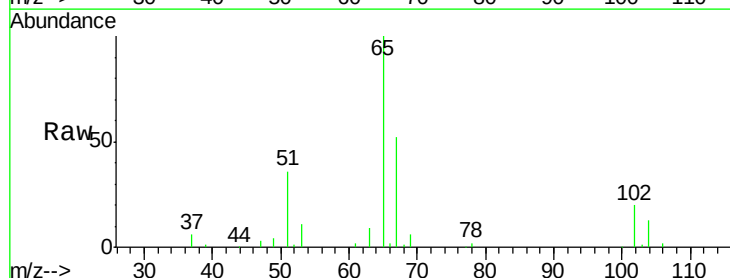
Acq: 31 Jan 2020 18:43

Tgt Ion: 65 Resp: 107445

Ion Ratio Lower Upper

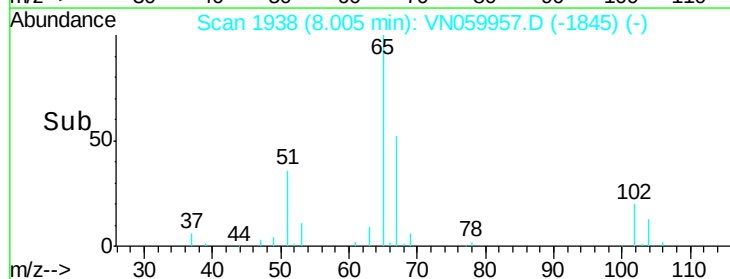
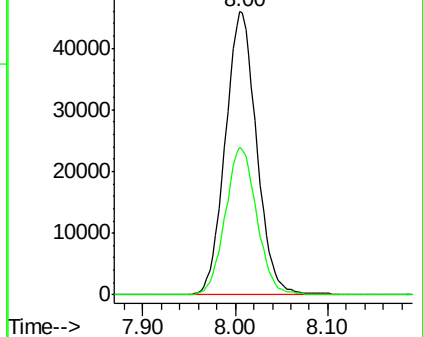
65 100

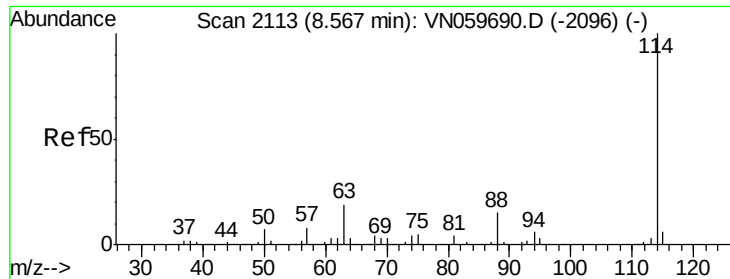
67 52.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

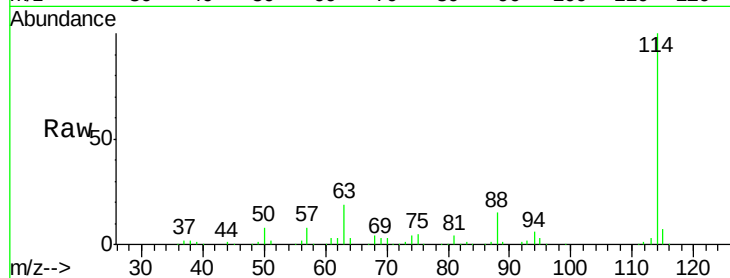




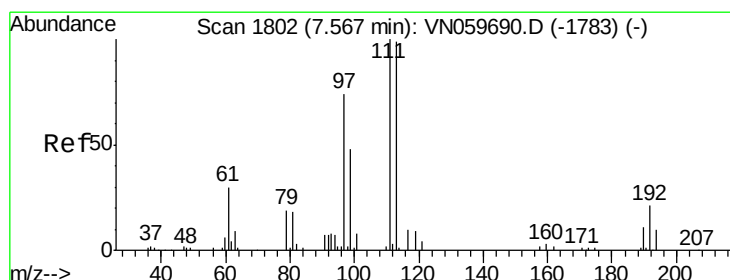
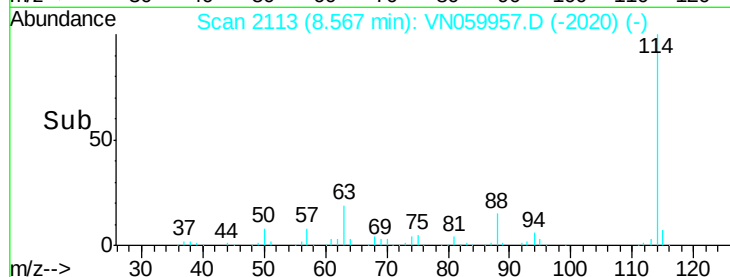
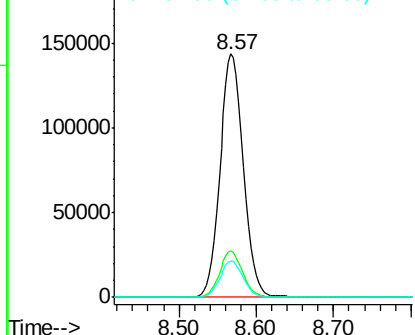
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059957.D
Acq: 31 Jan 2020 18:43

Instrument :
MSVOA_N
ClientSampleId :
40230

Tot Ion:114 Resp: 300881
Ion Ratio Lower Upper
114 100
63 19.2 0.0 43.6
88 14.9 0.0 31.4

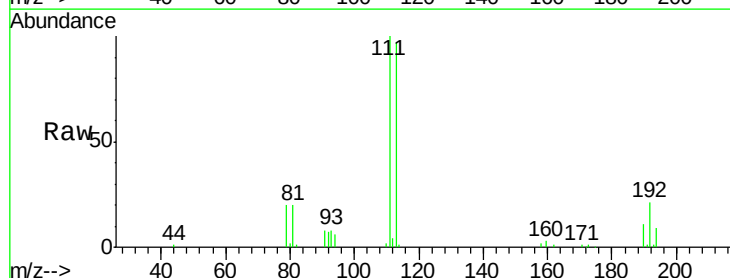


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

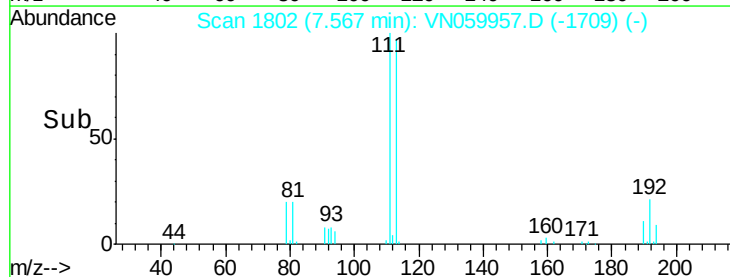
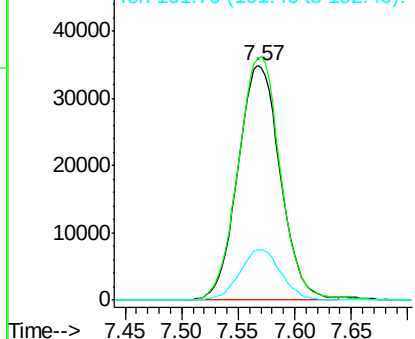


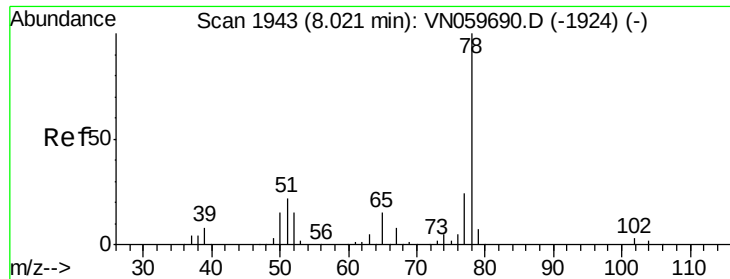
#35
Dibromofluoromethane
Concen: 50.740 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059957.D
Acq: 31 Jan 2020 18:43

Tgt Ion:113 Resp: 91042
Ion Ratio Lower Upper
113 100
111 103.5 83.5 125.3
192 20.9 15.4 23.2



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: 0.449 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059957.D

Acq: 31 Jan 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

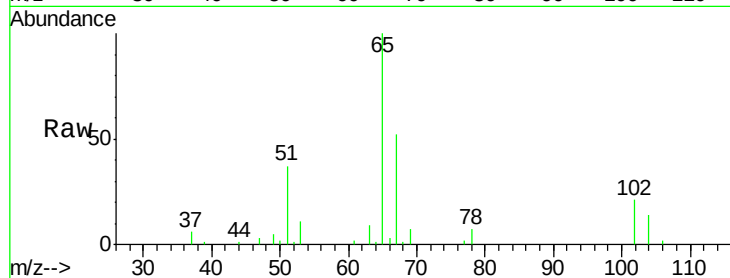
40230

Tot Ion: 78 Resp: 3512

Ion Ratio Lower Upper

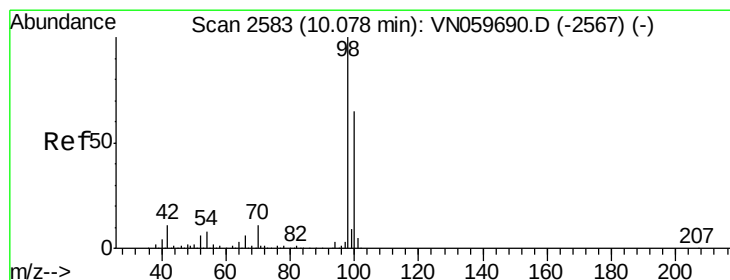
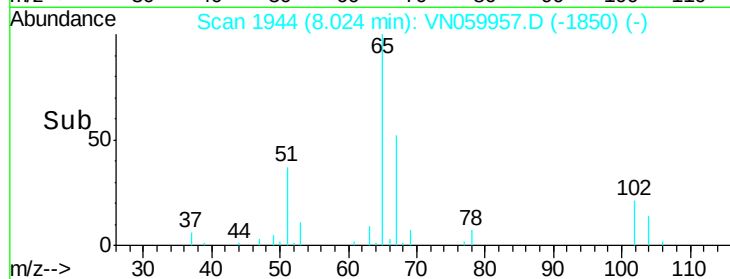
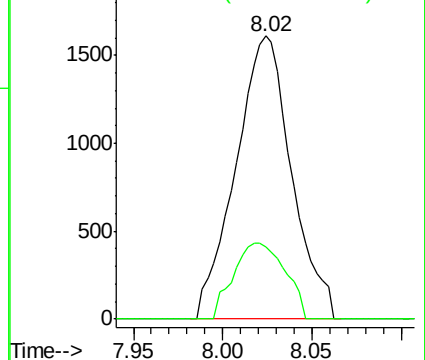
78 100

77 25.7 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 51.473 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059957.D

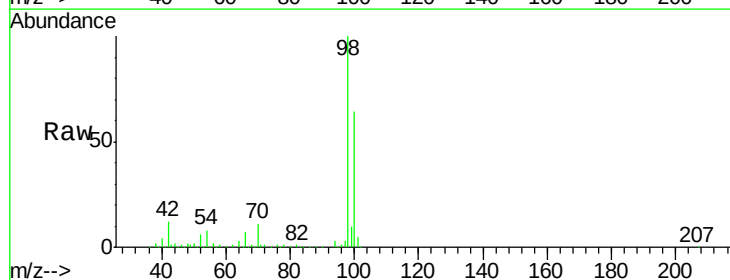
Acq: 31 Jan 2020 18:43

Tgt Ion: 98 Resp: 357839

Ion Ratio Lower Upper

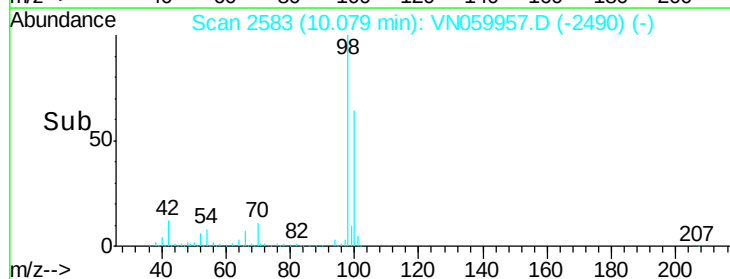
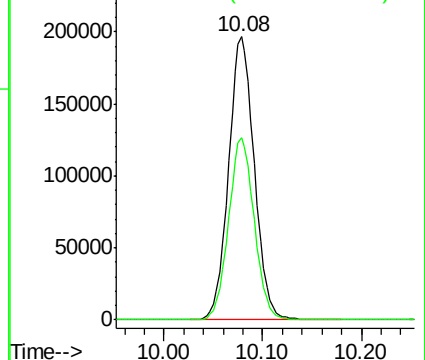
98 100

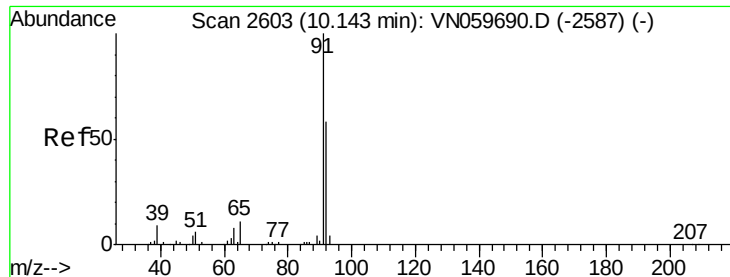
100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 3.769 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059957.D

Acq: 31 Jan 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

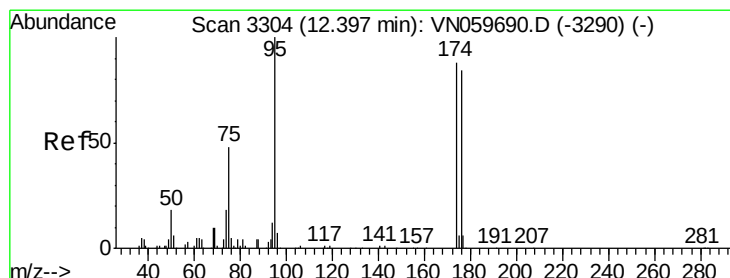
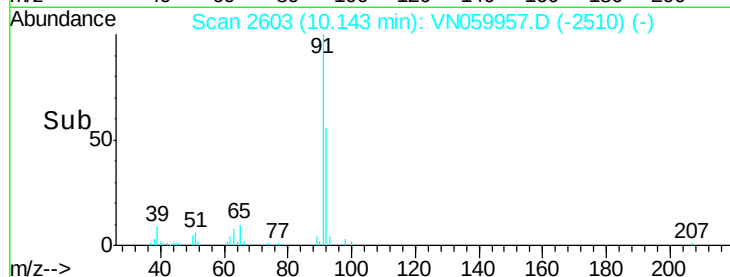
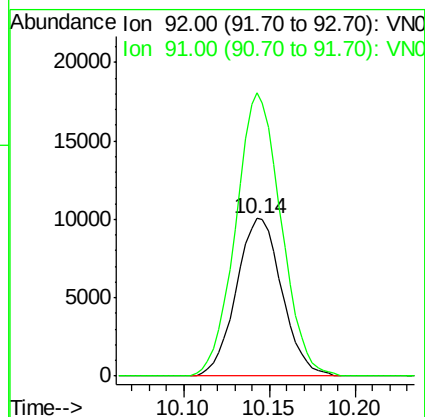
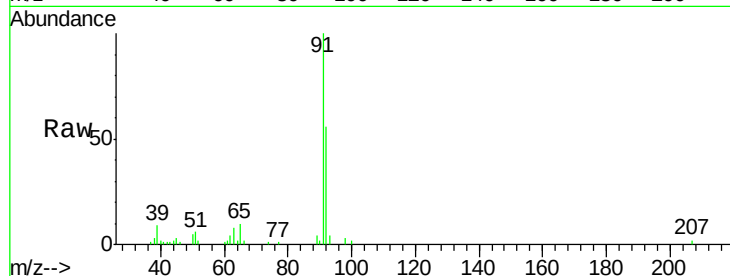
40230

Tot Ion: 92 Resp: 18601

Ion Ratio Lower Upper

92 100

91 178.0 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 50.208 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059957.D

Acq: 31 Jan 2020 18:43

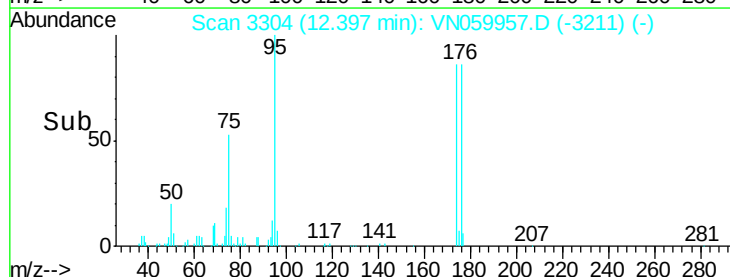
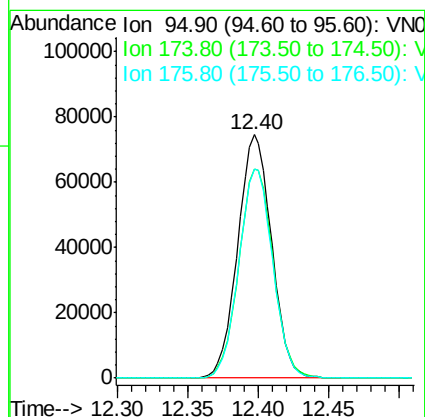
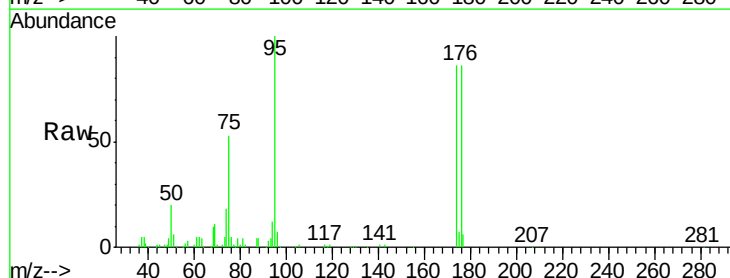
Tgt Ion: 95 Resp: 125829

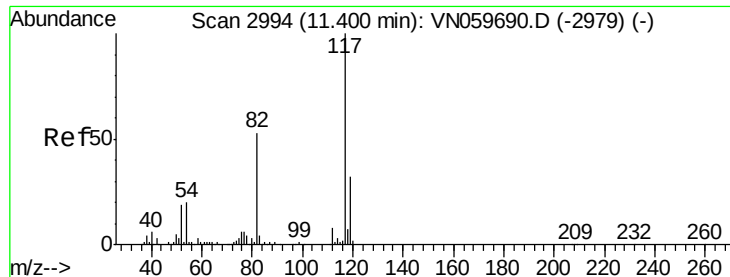
Ion Ratio Lower Upper

95 100

174 86.8 0.0 151.4

176 85.9 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059957.D

Acq: 31 Jan 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

40230

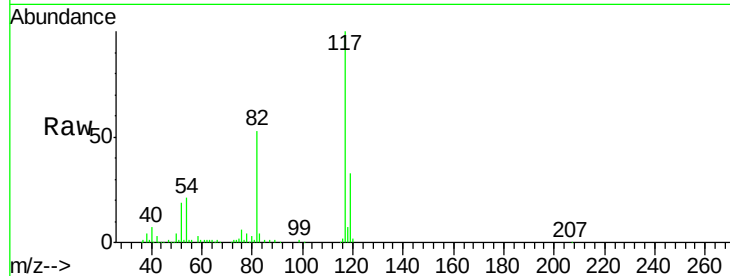
Tot Ion:117 Resp: 274355

Ion Ratio Lower Upper

117 100

82 52.9 45.9 68.9

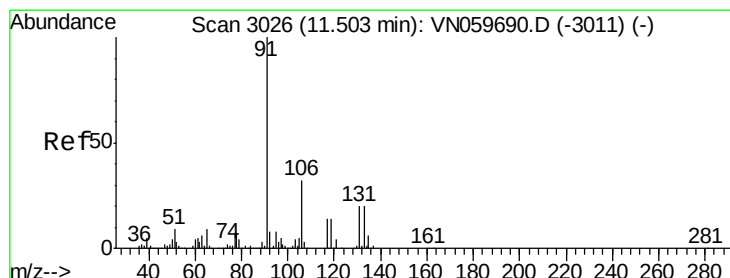
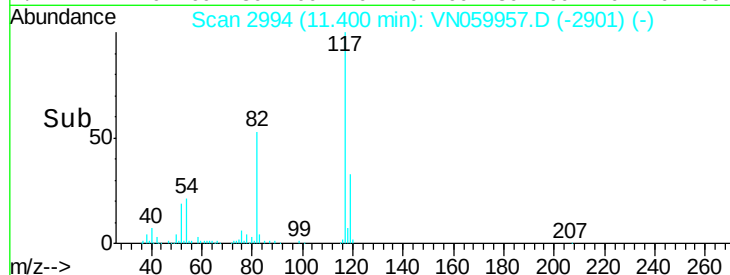
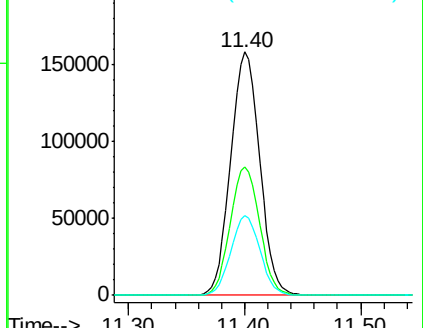
119 32.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.318 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059957.D

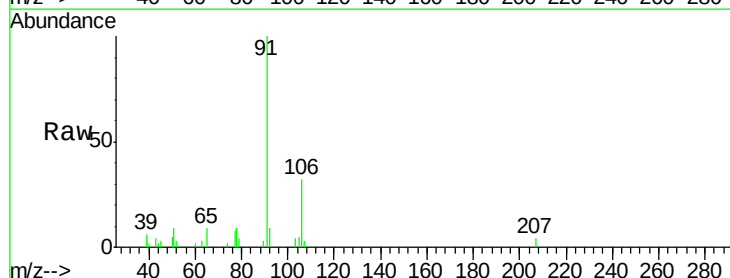
Acq: 31 Jan 2020 18:43

Tgt Ion: 91 Resp: 12904

Ion Ratio Lower Upper

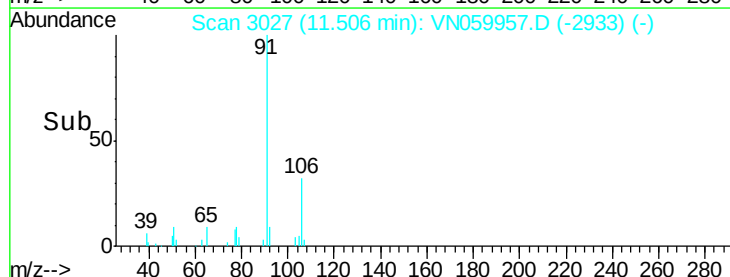
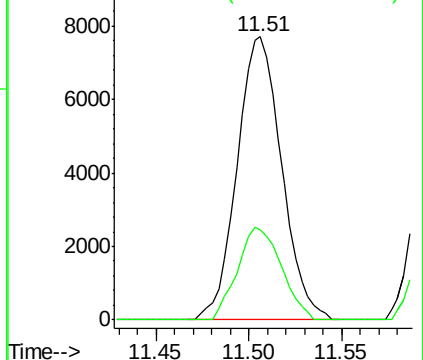
91 100

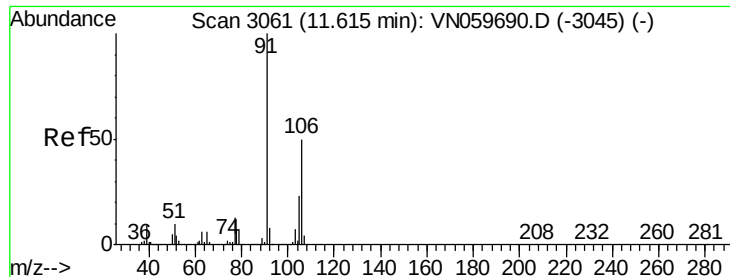
106 31.8 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

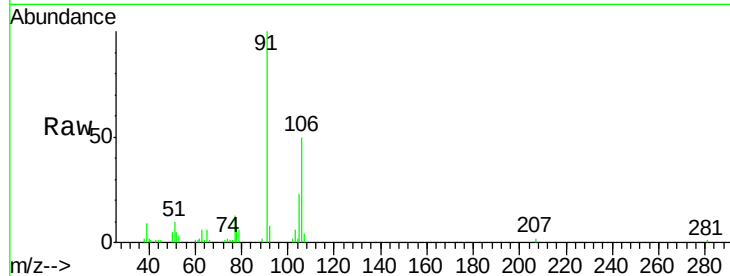




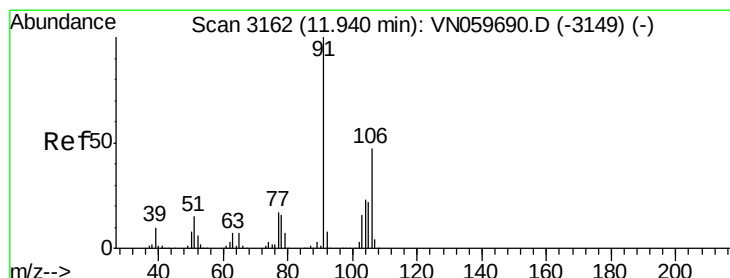
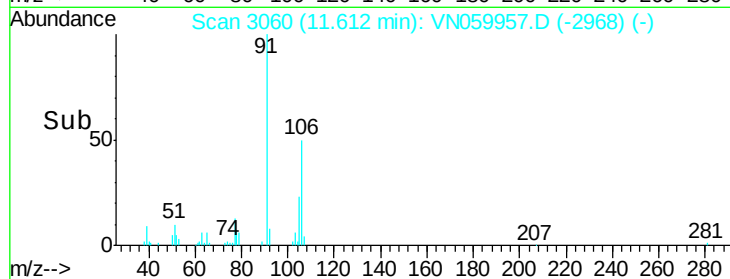
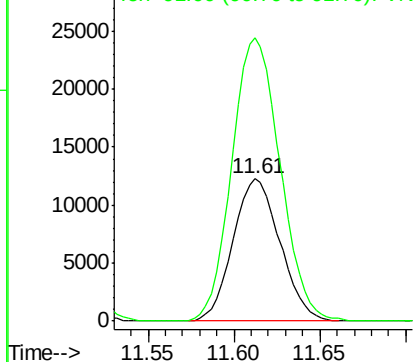
#68
m/p-Xylenes
Concen: 6.311 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059957.D
Acq: 31 Jan 2020 18:43

Instrument :
MSVOA_N
ClientSampled :
40230

Tot Ion:106 Resp: 23336
Ion Ratio Lower Upper
106 100
91 204.3 167.9 251.9

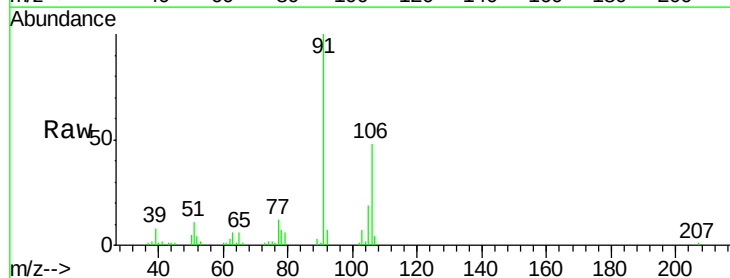


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

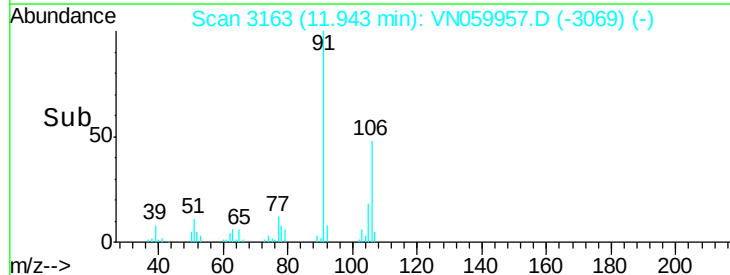
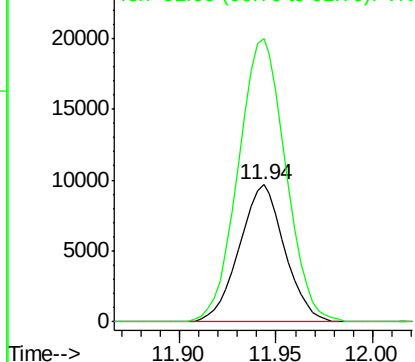


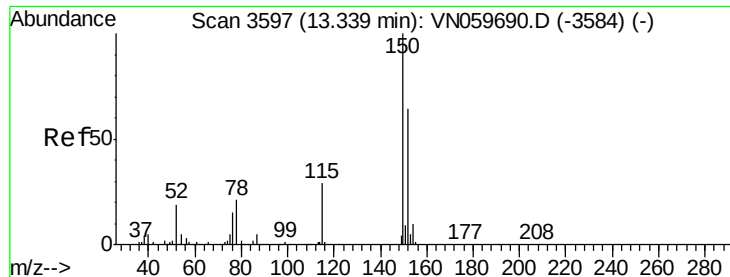
#69
o-Xylene
Concen: 4.351 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059957.D
Acq: 31 Jan 2020 18:43

Tgt Ion:106 Resp: 15751
Ion Ratio Lower Upper
106 100
91 215.4 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059957.D

Acq: 31 Jan 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

40230

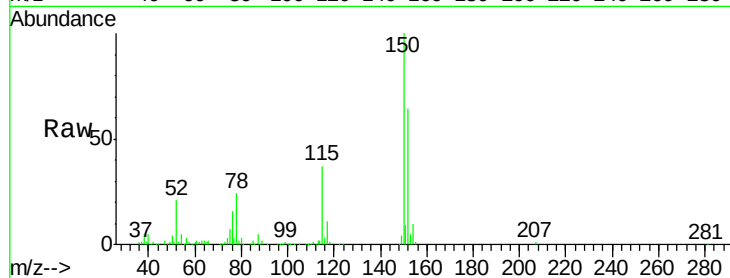
Tot Ion:152 Resp: 128725

Ion Ratio Lower Upper

152 100

115 58.1 30.3 90.9

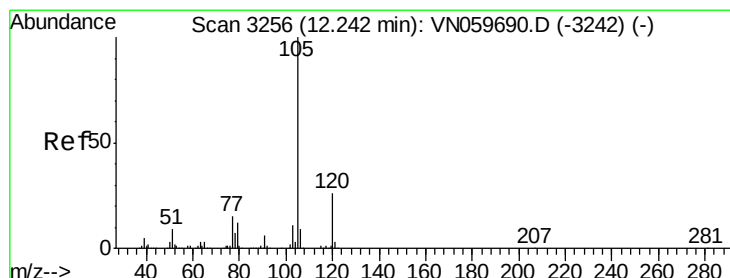
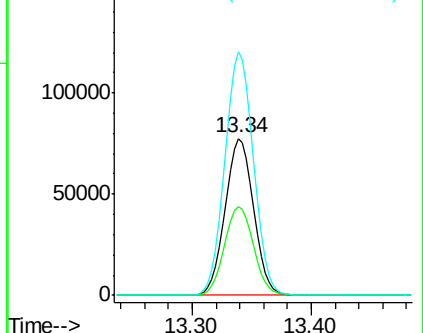
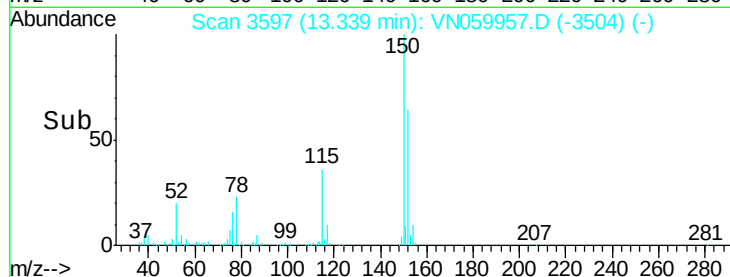
150 155.6 0.0 345.2



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



#73

Isopropylbenzene

Concen: 0.203 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059957.D

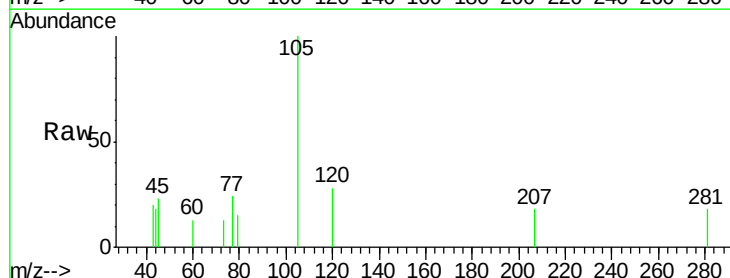
Acq: 31 Jan 2020 18:43

Tgt Ion:105 Resp: 1916

Ion Ratio Lower Upper

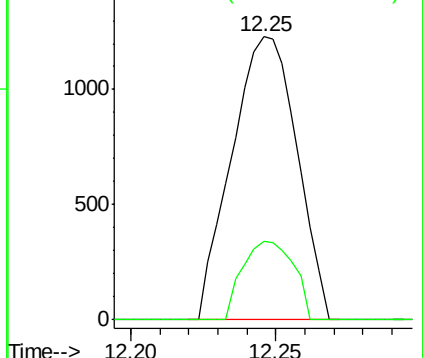
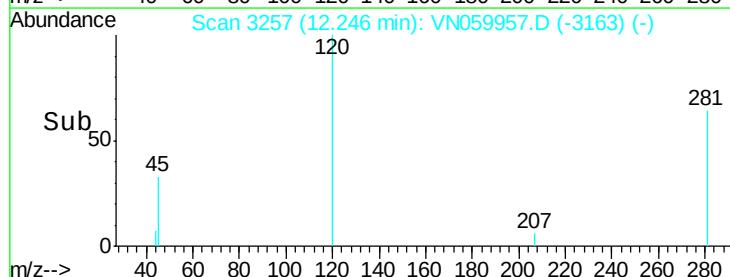
105 100

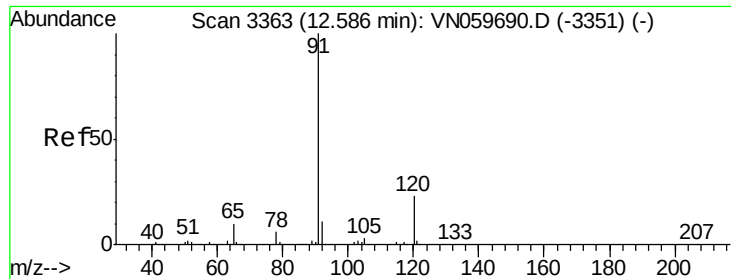
120 21.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.493 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059957.D

Acq: 31 Jan 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

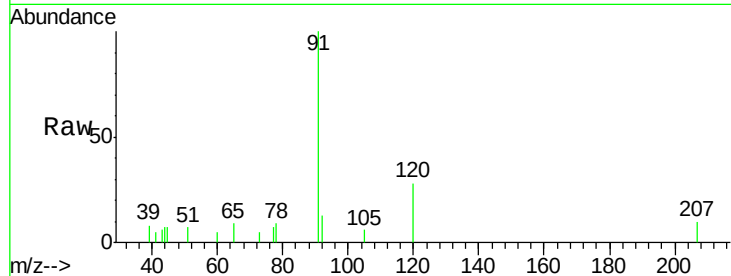
40230

Tot Ion: 91 Resp: 5221

Ion Ratio Lower Upper

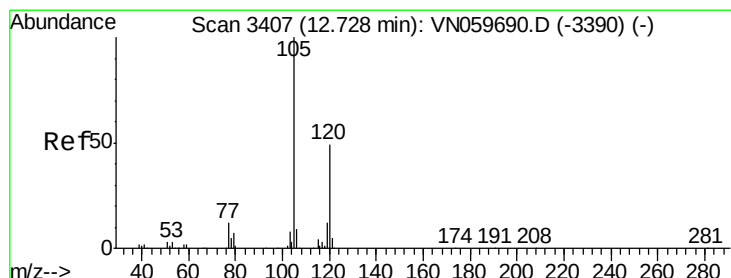
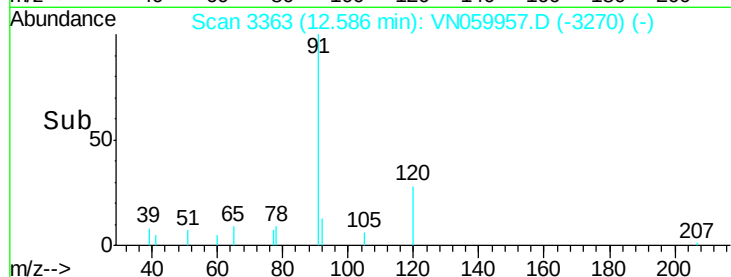
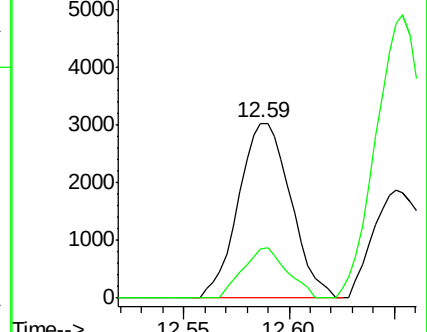
91 100

120 24.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.327 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059957.D

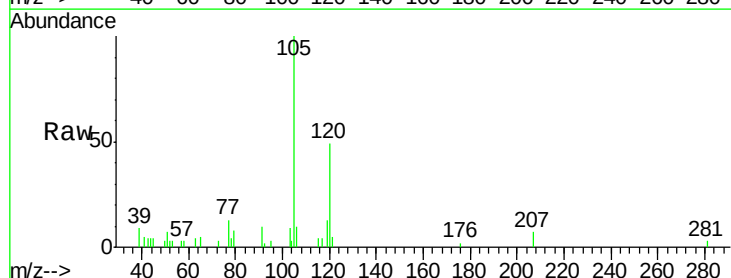
Acq: 31 Jan 2020 18:43

Tgt Ion: 105 Resp: 10532

Ion Ratio Lower Upper

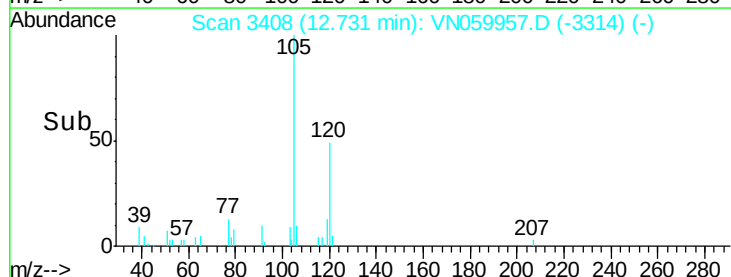
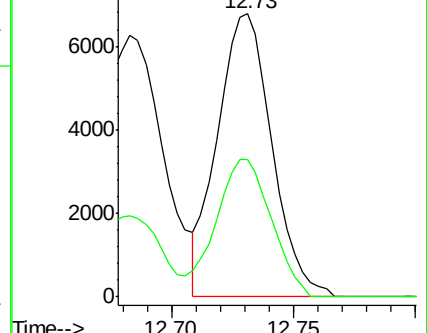
105 100

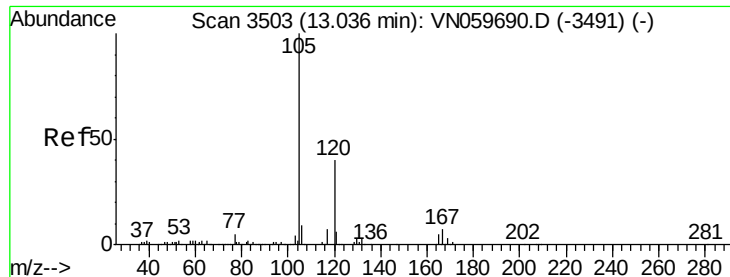
120 49.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

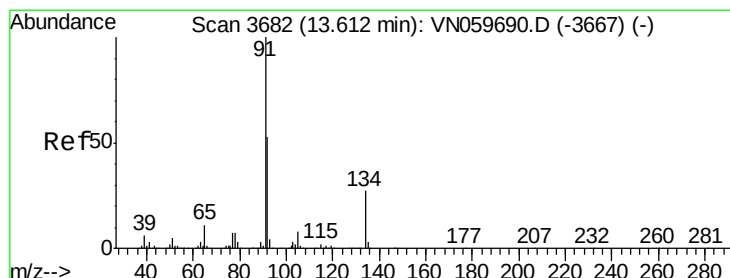
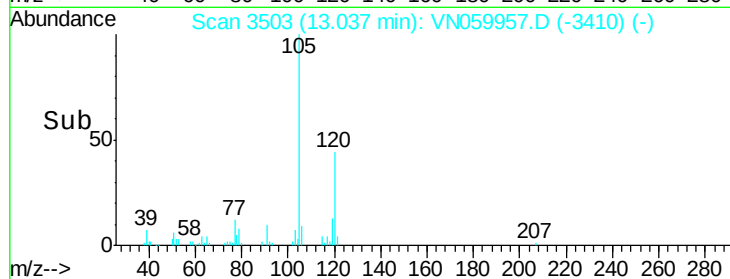
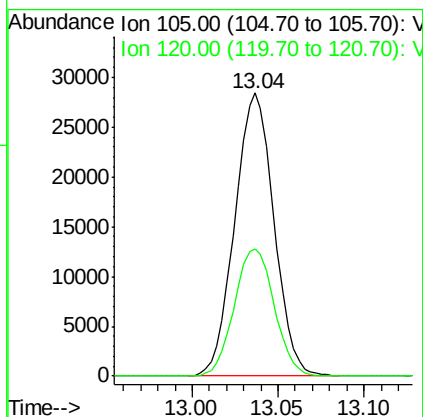
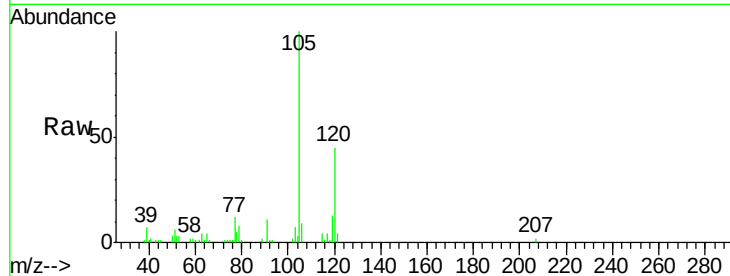




#84
 1,2,4-Trimethylbenzene
 Concen: 5.724 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059957.D
 Acq: 31 Jan 2020 18:43

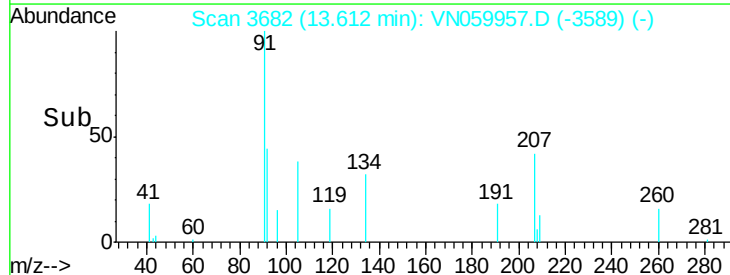
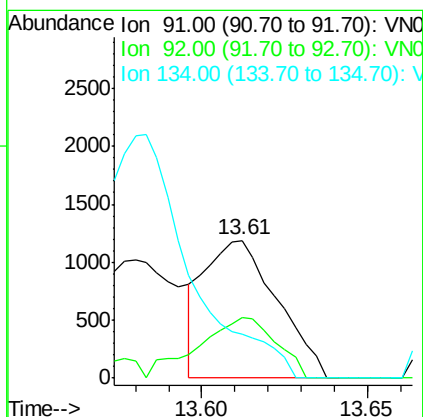
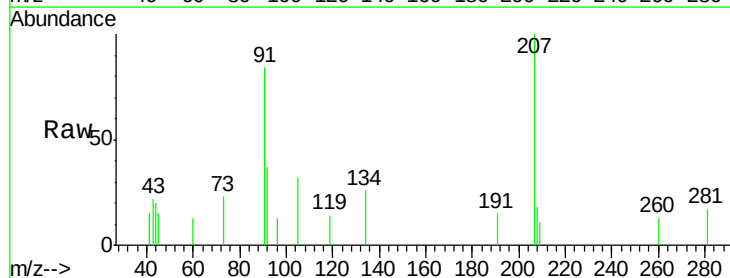
Instrument :
 MSVOA_N
 ClientSampled :
 40230

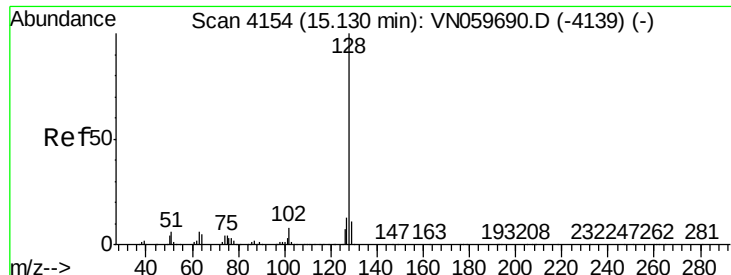
Tot Ion: 105 Resp: 44959
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.9



#89
 n-Butylbenzene
 Concen: 0.254 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN059957.D
 Acq: 31 Jan 2020 18:43

Tgt Ion: 91 Resp: 1809
 Ion Ratio Lower Upper
 91 100
 92 46.8 25.9 77.7
 134 0.0 12.3 36.8#





#95

Naphthalene

Concen: 1.843 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059957.D

Acq: 31 Jan 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

40230

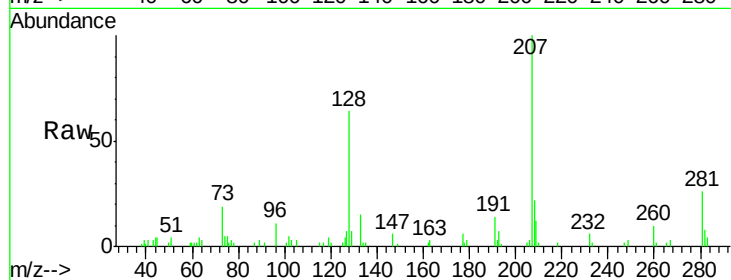
Tot Ion:128 Resp: 12933

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

129 11.0 8.6 12.8



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

