

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060237.D
 Acq On : 25 Feb 2020 16:21
 Operator : JC/MD
 Sample : L1666-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-30871

Quant Time: Feb 25 22:57:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	212934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	365271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123083	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	117735	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
35) Dibromofluoromethane	7.57	113	94026	41.88	ug/l	0.00
Spiked Amount			Recovery	=	83.76%	
50) Toluene-d8	10.08	98	422664	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	134335	41.35	ug/l	0.00
Spiked Amount			Recovery	=	82.70%	

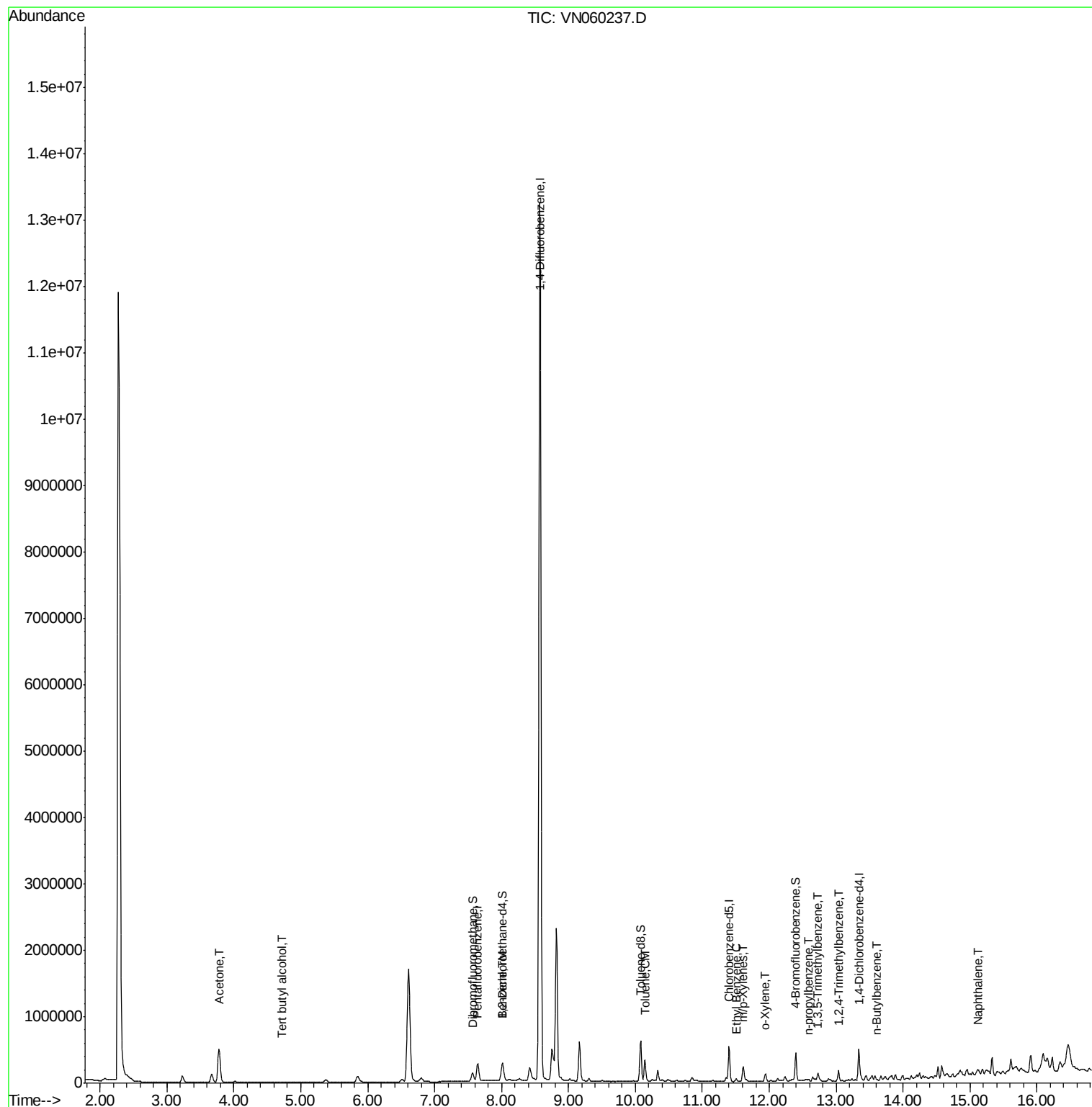
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	8399	21.662	ug/l #	77
16) Acetone	3.78	43	845913	748.463	ug/l	99
40) Benzene	8.02	78	176473	17.584	ug/l	100
52) Toluene	10.14	92	140692	21.861	ug/l	98
67) Ethyl Benzene	11.51	91	29758	2.676	ug/l	98
68) m/p-Xylenes	11.61	106	69401	16.625	ug/l	99
69) o-Xylene	11.94	106	28893	7.189	ug/l	99
78) n-propylbenzene	12.59	91	10591	1.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	39142	5.122	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	90866	12.045	ug/l	98
89) n-Butylbenzene	13.61	91	7673	1.075	ug/l #	65
95) Naphthalene	15.13	128	41701	6.649	ug/l #	92

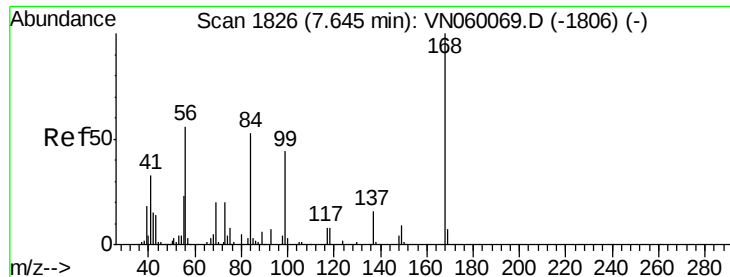
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

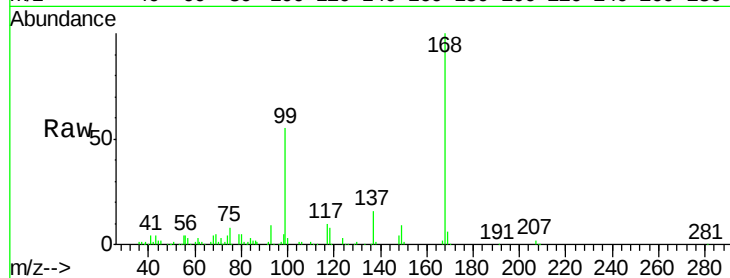
NB-30871

Tot Ion:168 Resp: 212934

Ion Ratio Lower Upper

168 100

99 54.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

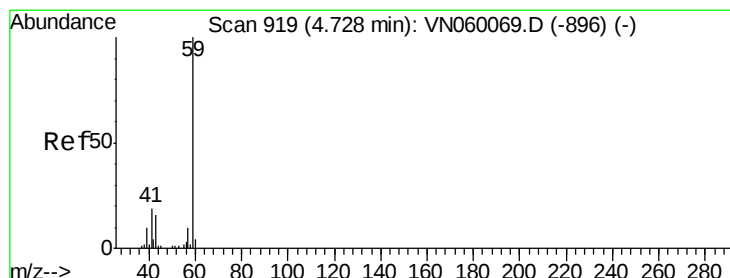
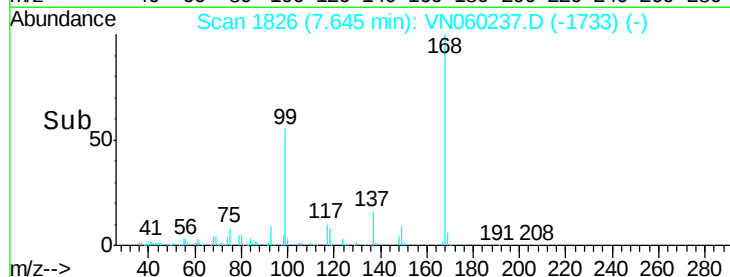
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 21.662 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.00 min

Lab File: VN060237.D

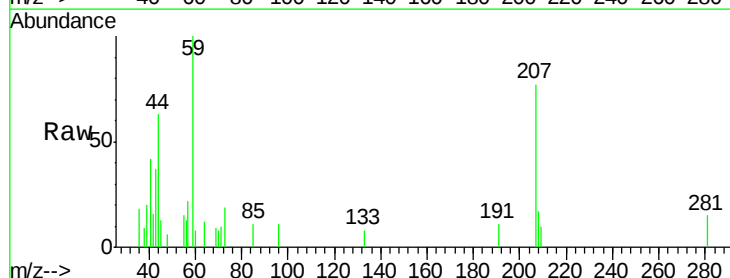
Acq: 25 Feb 2020 16:21

Tgt Ion: 59 Resp: 8399

Ion Ratio Lower Upper

59 100

57 1.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

2500

2000

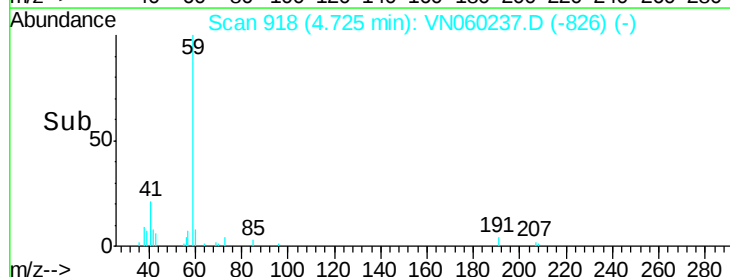
1500

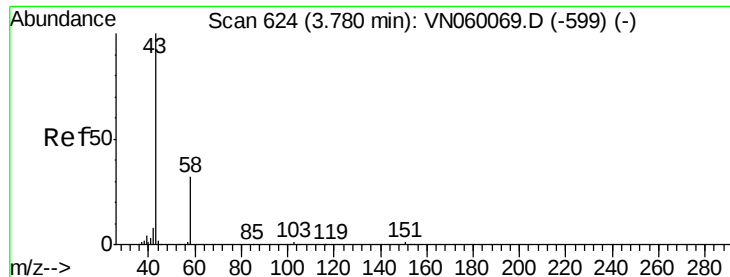
1000

500

0

Time-->





#16

Acetone

Concen: 748.463 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

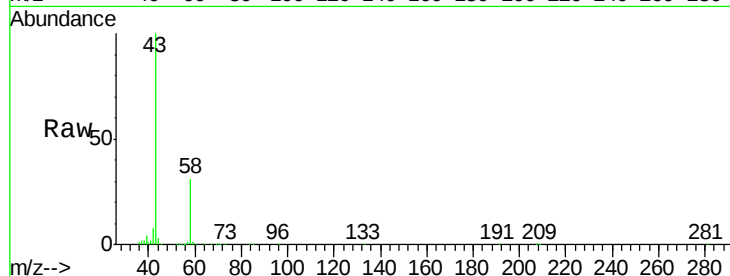
NB-30871

Tot Ion: 43 Resp: 845913

Ion Ratio Lower Upper

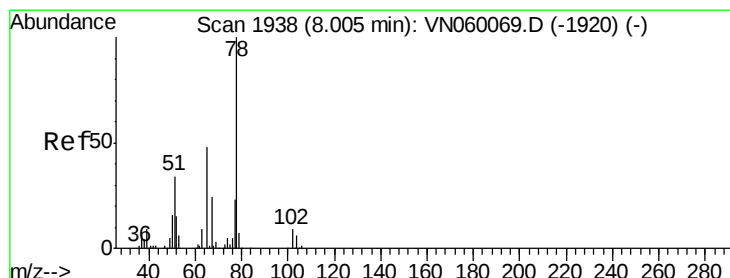
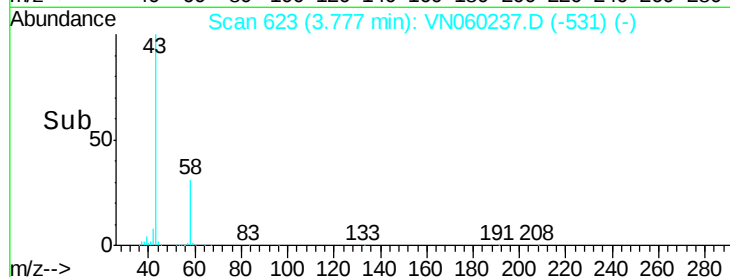
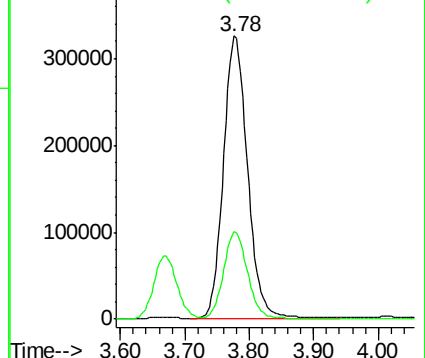
43 100

58 30.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 45.439 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060237.D

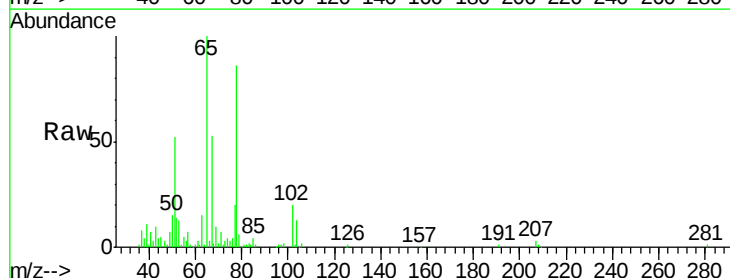
Acq: 25 Feb 2020 16:21

Tgt Ion: 65 Resp: 117735

Ion Ratio Lower Upper

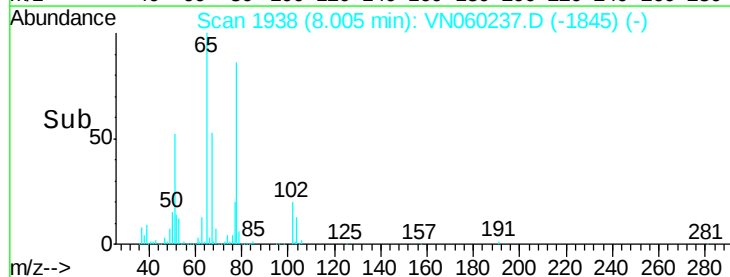
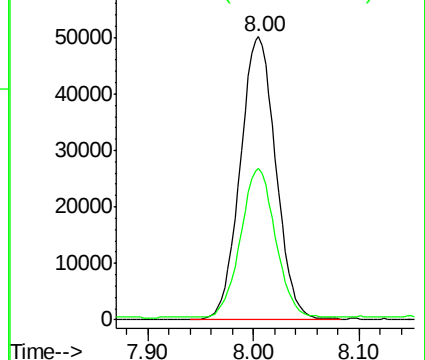
65 100

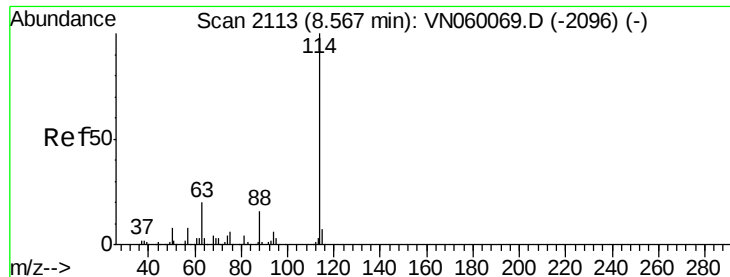
67 51.5 0.0 104.0



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# 2114

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

NB-30871

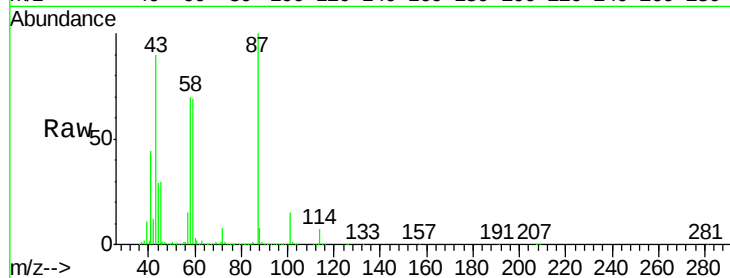
Tot Ion:114 Resp: 365271

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

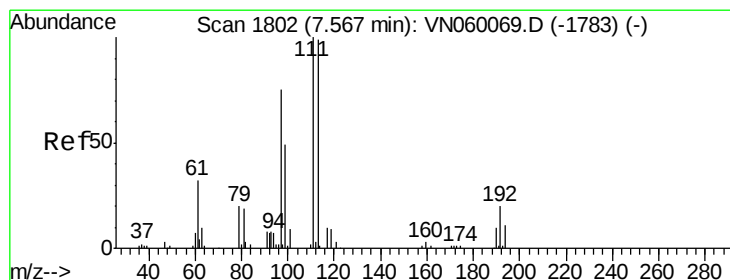
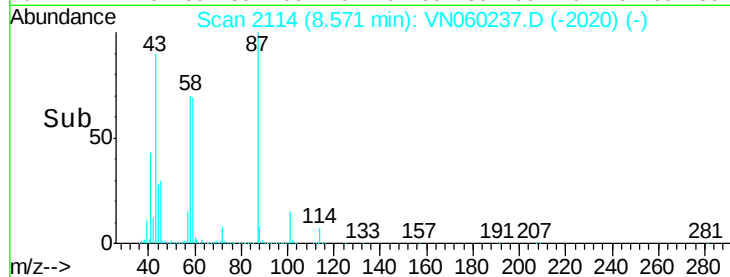
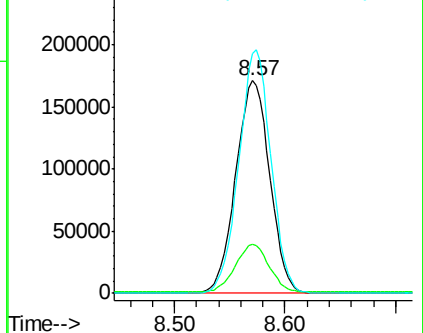
88 113.0 0.0 31.6#



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 41.876 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

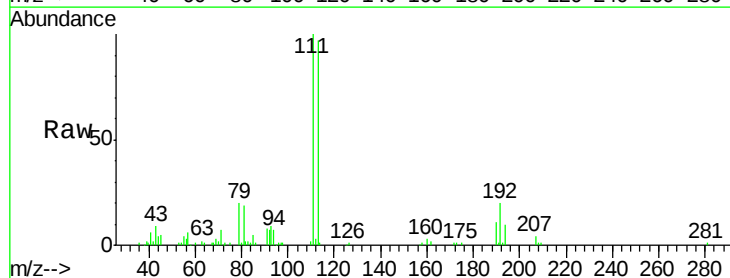
Tgt Ion:113 Resp: 94026

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

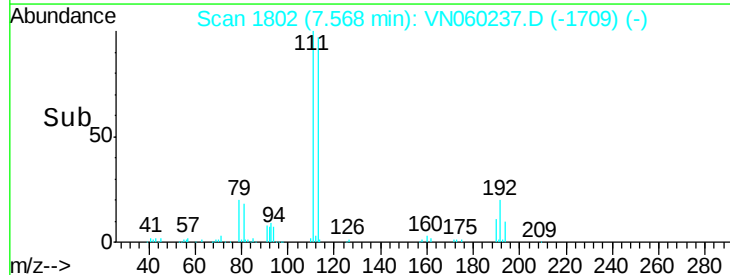
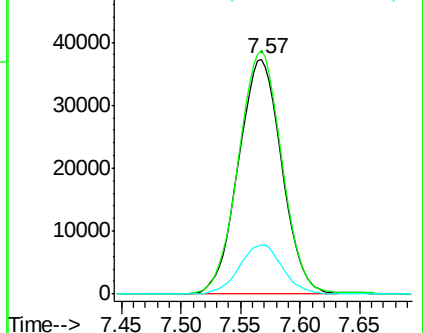
192 20.7 16.2 24.2

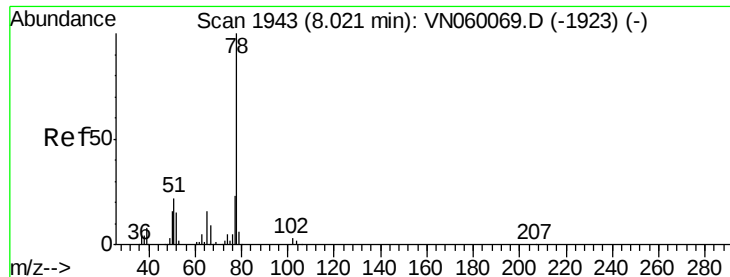


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 17.584 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

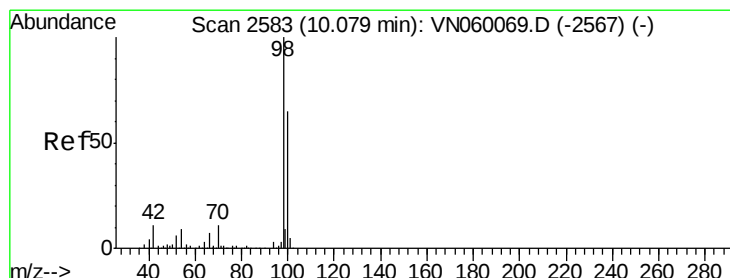
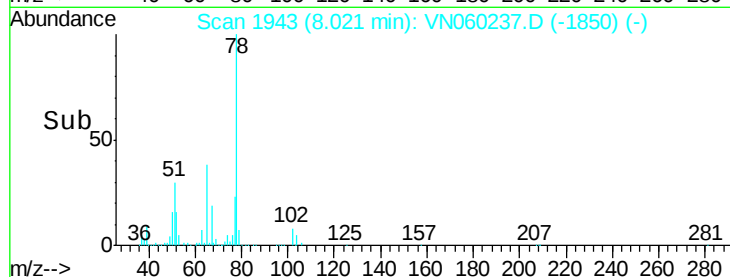
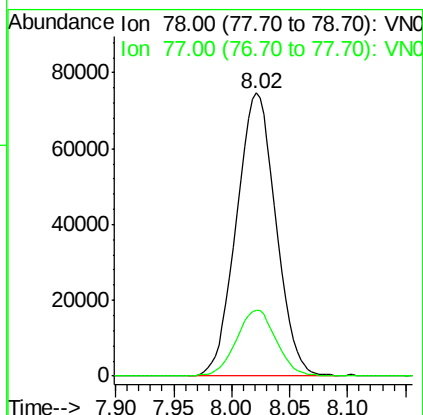
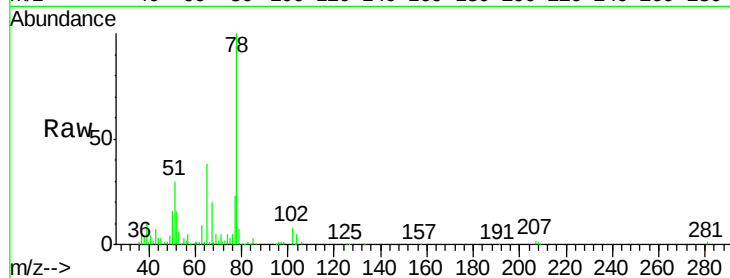
NB-30871

Tot Ion: 78 Resp: 176473

Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2



#50

Toluene-d8

Concen: 47.802 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060237.D

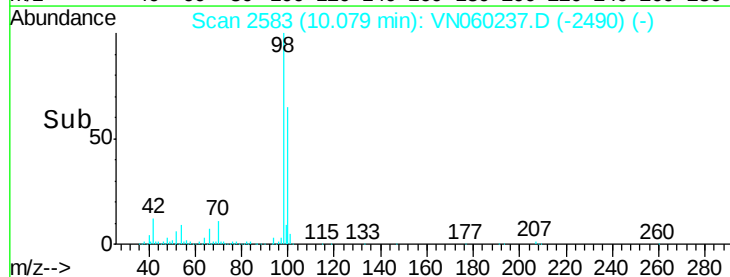
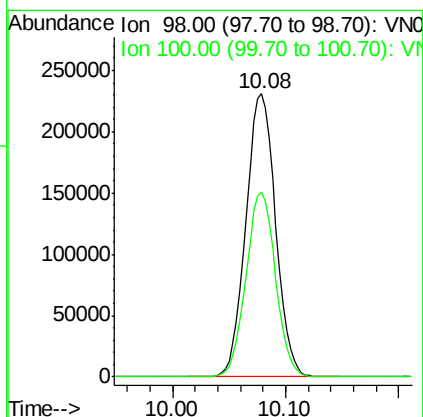
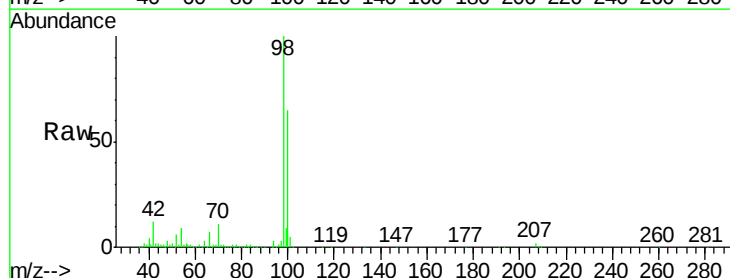
Acq: 25 Feb 2020 16:21

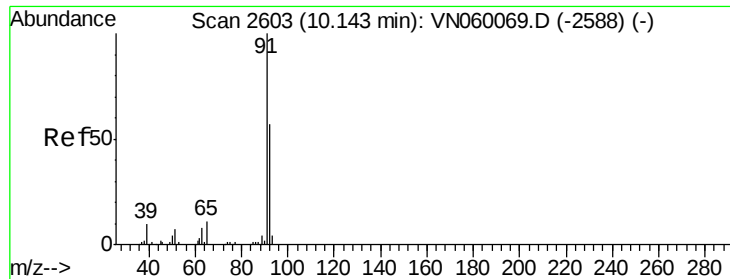
Tgt Ion: 98 Resp: 422664

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5





#52

Toluene

Concen: 21.861 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

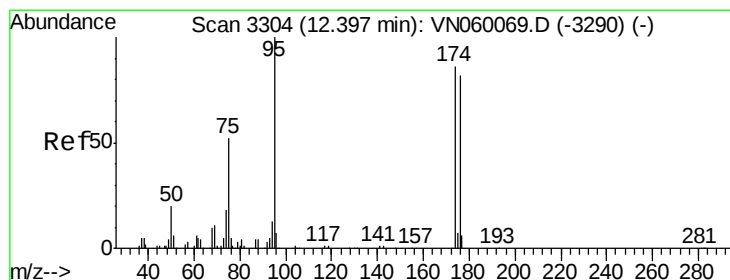
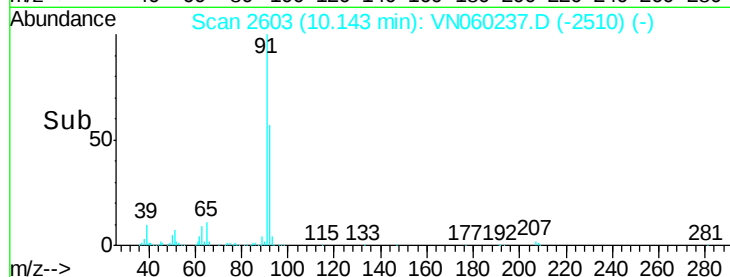
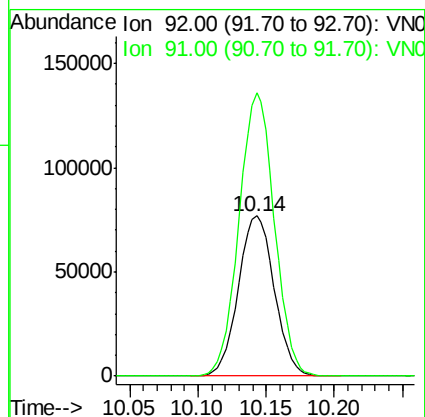
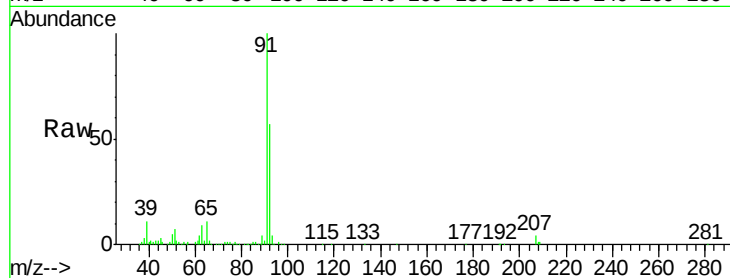
NB-30871

Tot Ion: 92 Resp: 140692

Ion Ratio Lower Upper

92 100

91 173.9 140.9 211.3



#62

4-Bromofluorobenzene

Concen: 41.346 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

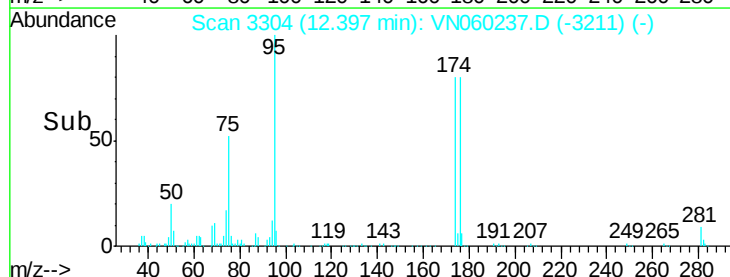
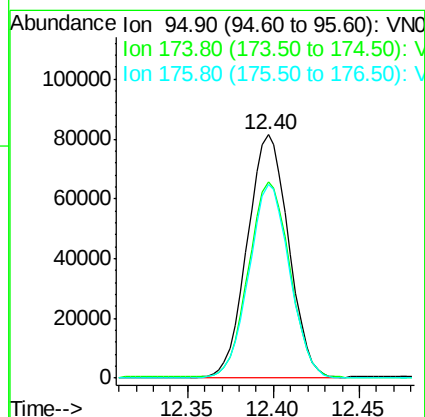
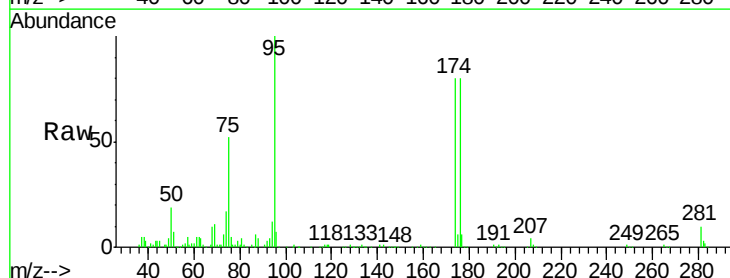
Tgt Ion: 95 Resp: 134335

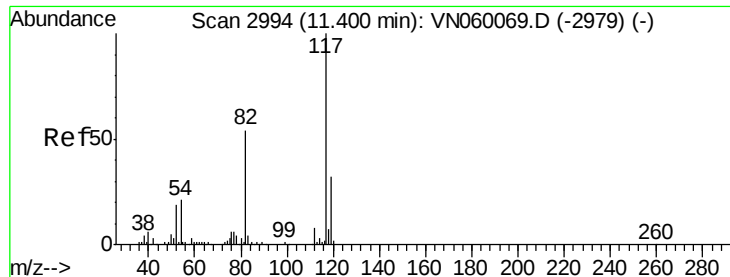
Ion Ratio Lower Upper

95 100

174 81.0 0.0 169.8

176 79.3 0.0 164.8

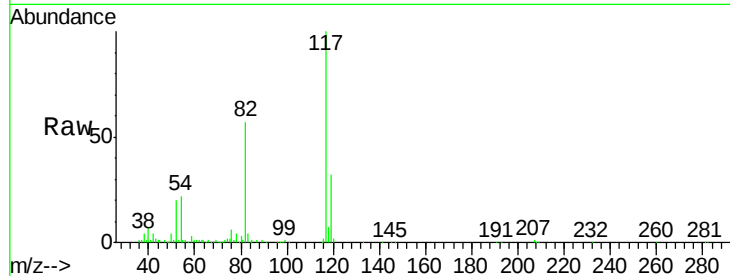




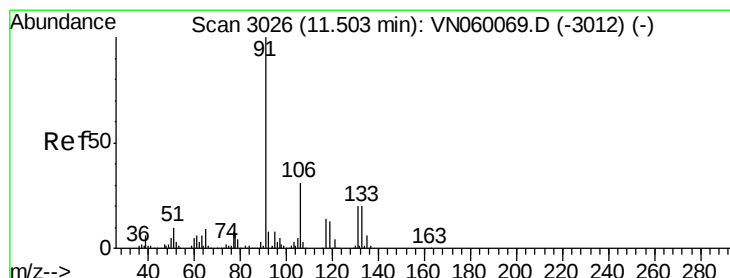
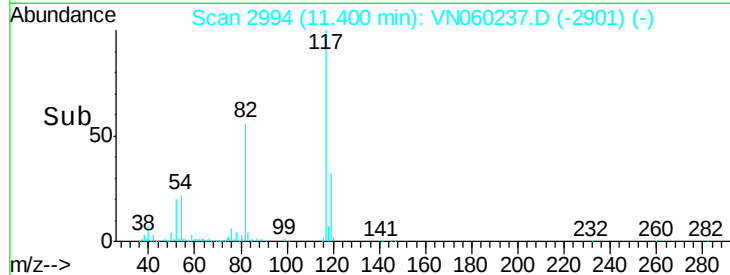
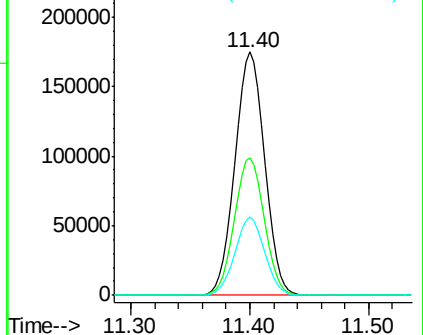
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Instrument :
MSVOA_N
ClientSampled :
NB-30871

Tot Ion:117 Resp: 302689
Ion Ratio Lower Upper
117 100
82 56.5 43.4 65.0
119 32.1 25.8 38.6

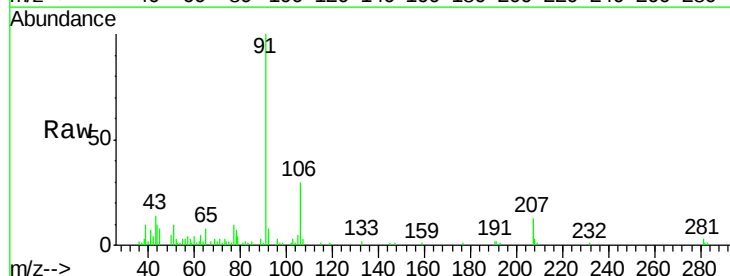


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

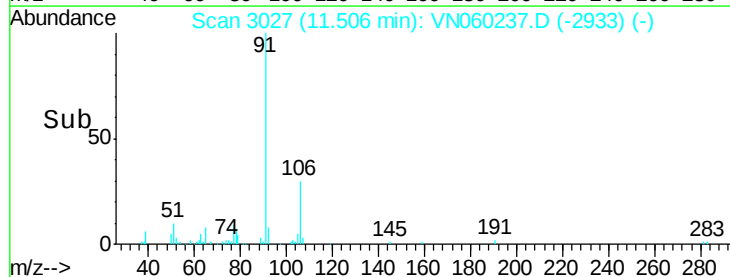
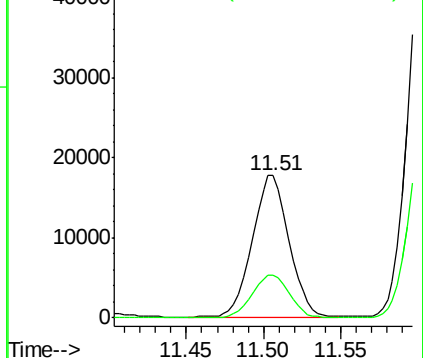


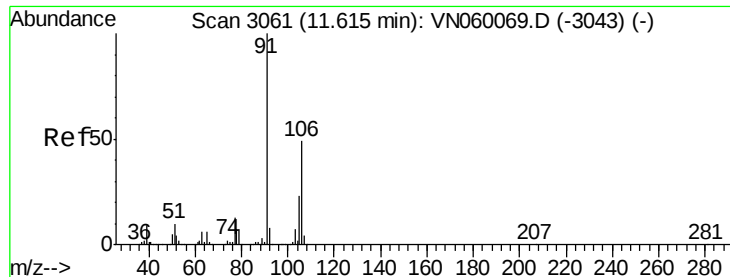
#67
Ethyl Benzene
Concen: 2.676 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 91 Resp: 29758
Ion Ratio Lower Upper
91 100
106 30.1 25.1 37.7



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





#68

m/p-Xylenes

Concen: 16.625 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

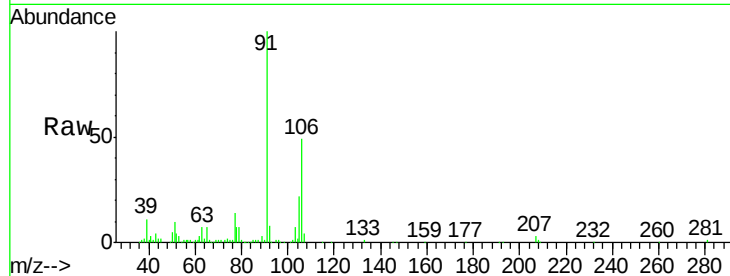
NB-30871

Tot Ion:106 Resp: 69401

Ion Ratio Lower Upper

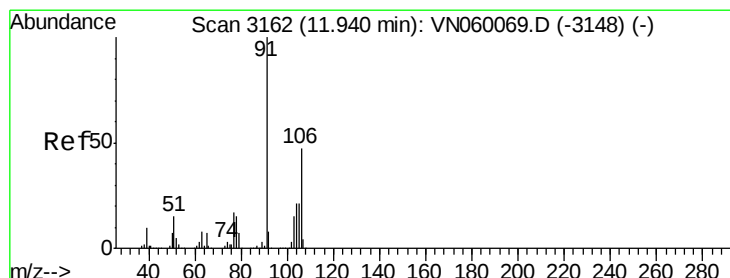
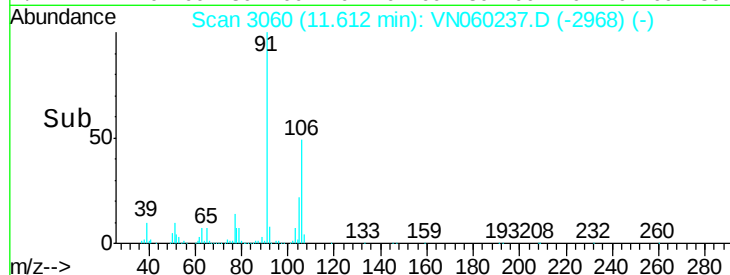
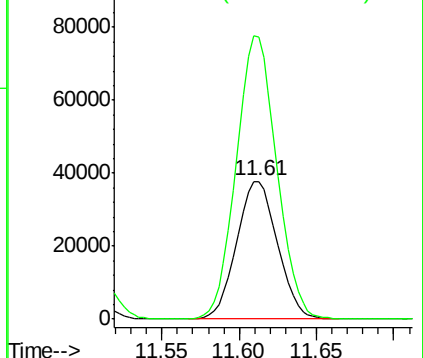
106 100

91 202.2 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 7.189 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN060237.D

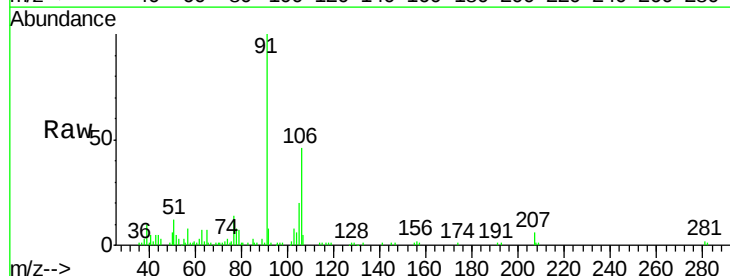
Acq: 25 Feb 2020 16:21

Tgt Ion:106 Resp: 28893

Ion Ratio Lower Upper

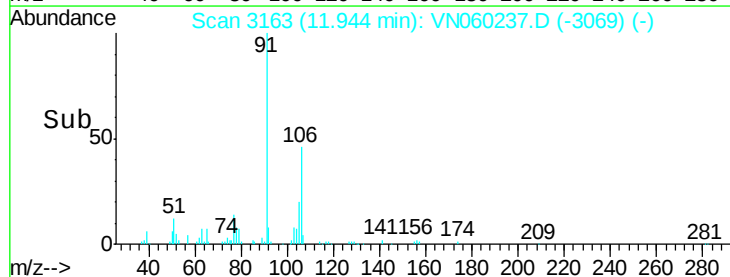
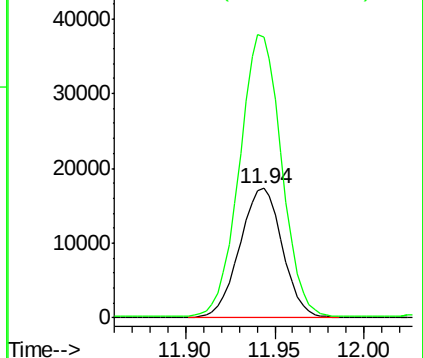
106 100

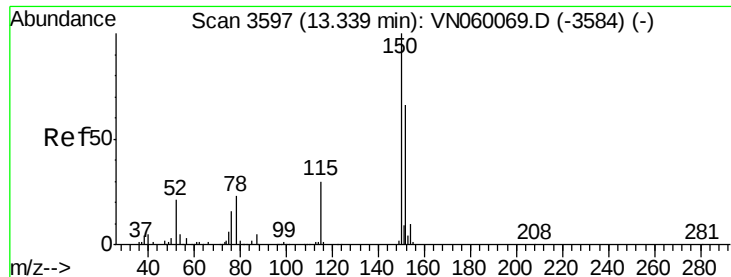
91 213.1 107.2 321.6



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: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

NB-30871

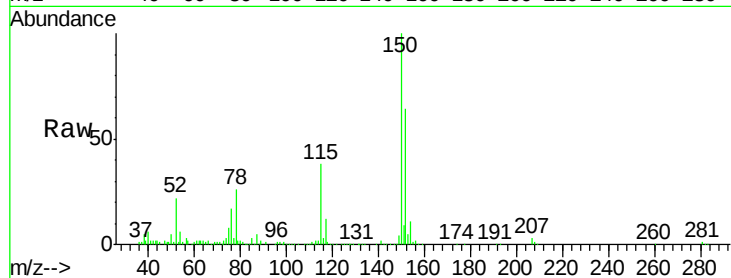
Tot Ion:152 Resp: 123083

Ion Ratio Lower Upper

152 100

115 59.6 28.9 86.8

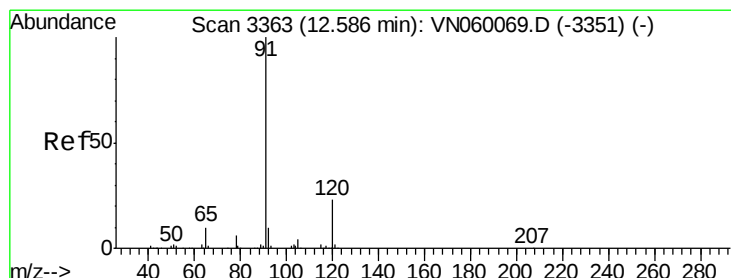
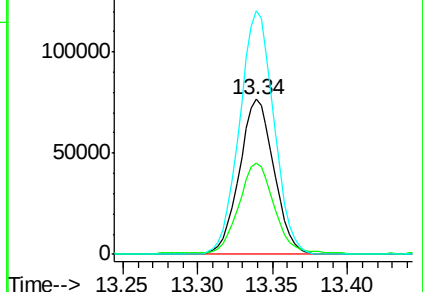
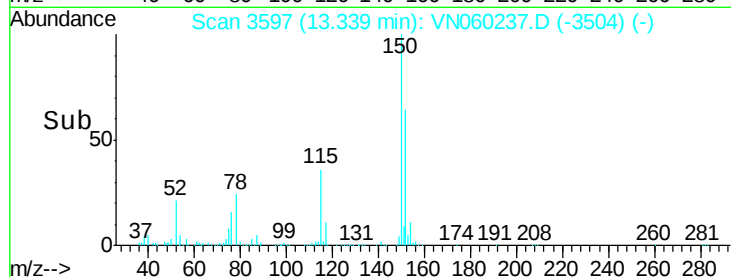
150 156.2 0.0 342.4



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



#78

n-propylbenzene

Concen: 1.011 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060237.D

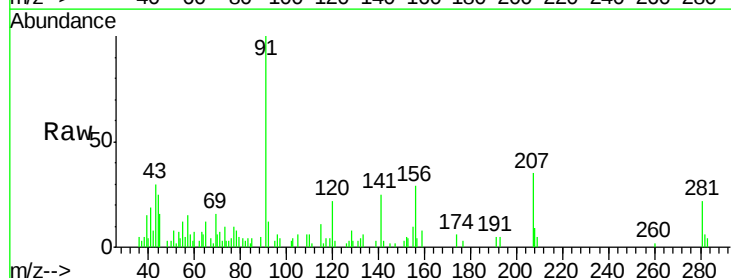
Acq: 25 Feb 2020 16:21

Tgt Ion: 91 Resp: 10591

Ion Ratio Lower Upper

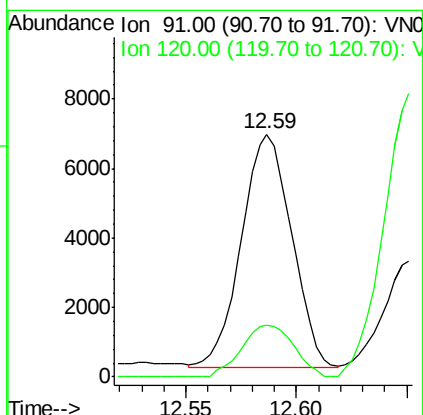
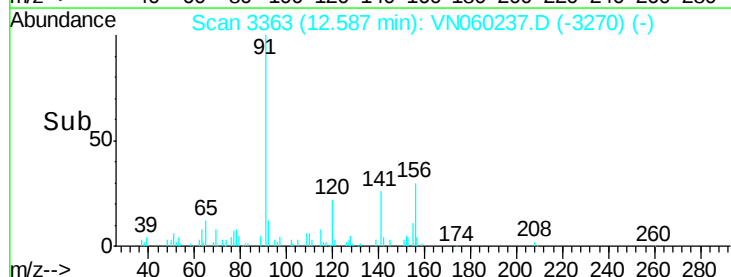
91 100

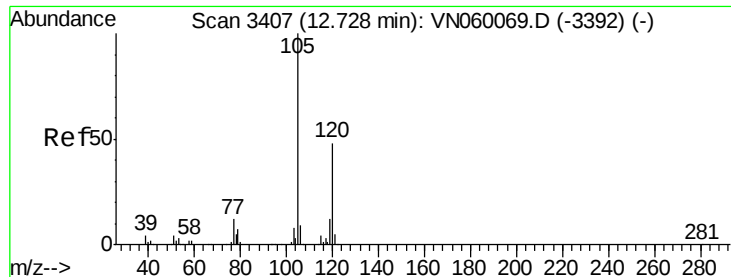
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

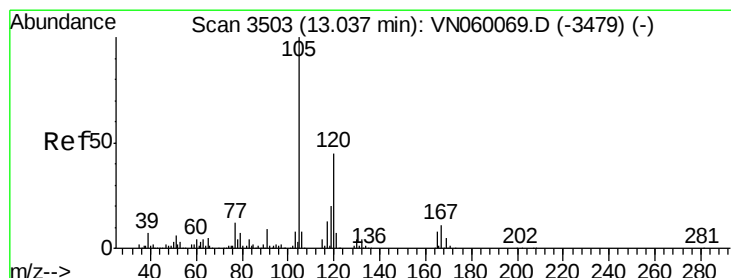
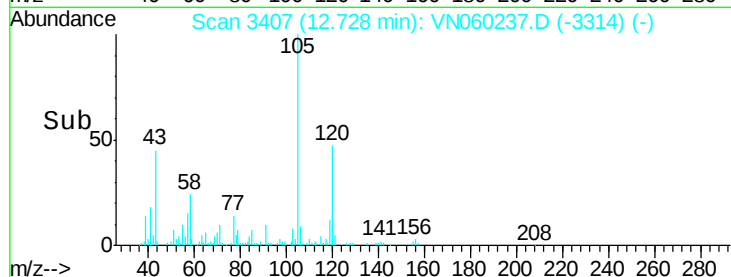
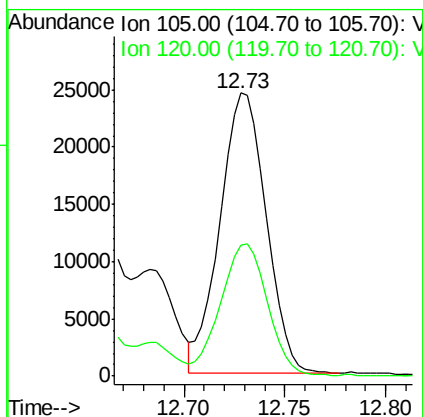
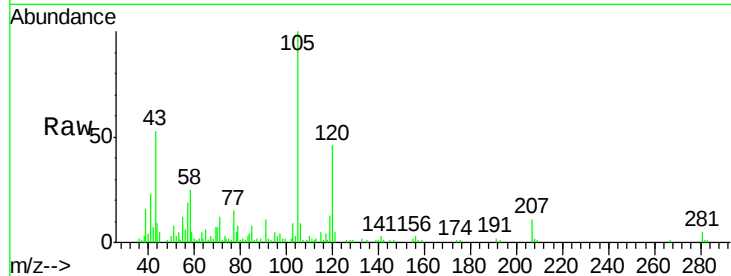




#80
 1,3,5-Trimethylbenzene
 Concen: 5.122 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

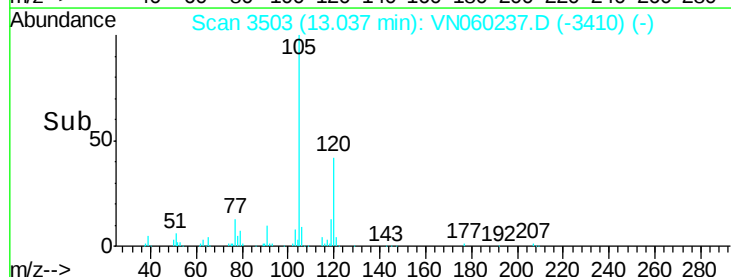
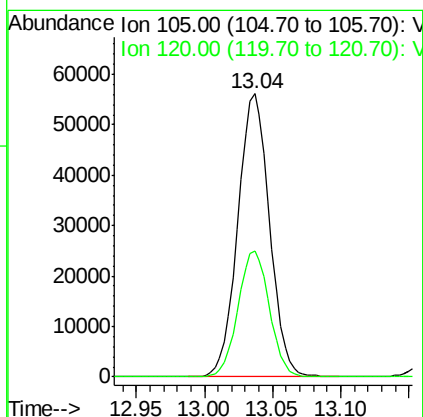
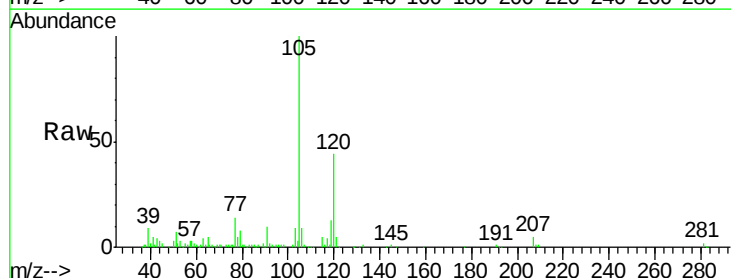
Instrument :
 MSVOA_N
 ClientSampled :
 NB-30871

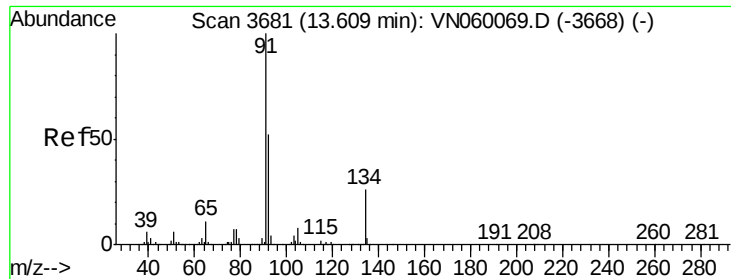
Tot Ion:105 Resp: 39142
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9



#84
 1,2,4-Trimethylbenzene
 Concen: 12.045 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Tgt Ion:105 Resp: 90866
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.3

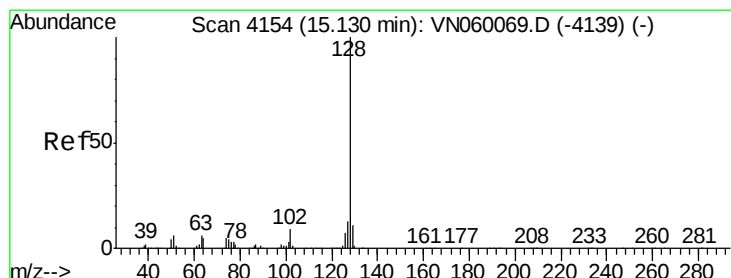
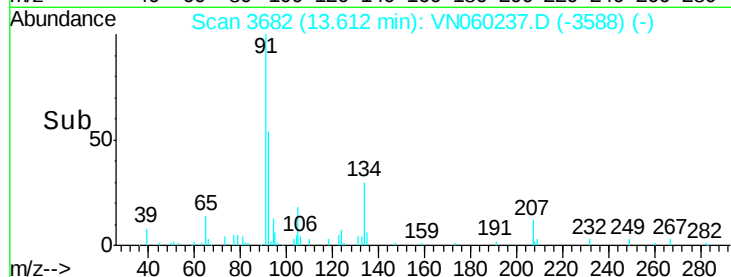
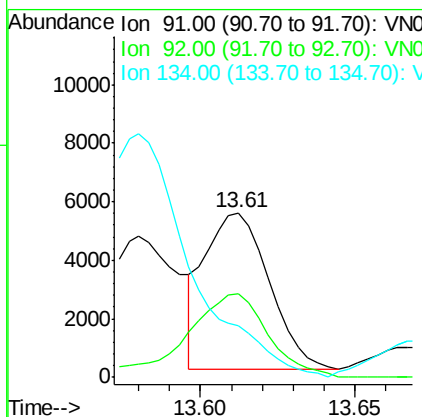
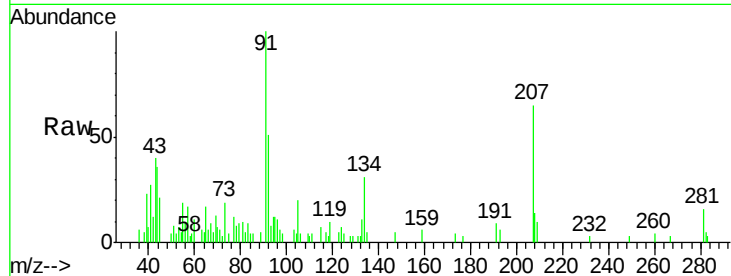




#89
n-Butylbenzene
Concen: 1.075 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Instrument :
MSVOA_N
ClientSampled :
NB-30871

Tot Ion: 91 Resp: 7673
Ion Ratio Lower Upper
91 100
92 70.5 26.1 78.2
134 0.0 13.1 39.3#



#95
Naphthalene
Concen: 6.649 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 128 Resp: 41701
Ion Ratio Lower Upper
128 100
127 15.5 10.3 15.5
129 14.1 8.6 13.0#

