

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060600.D
 Acq On : 18 Mar 2020 18:19
 Operator : JC/MD
 Sample : L1946-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40748

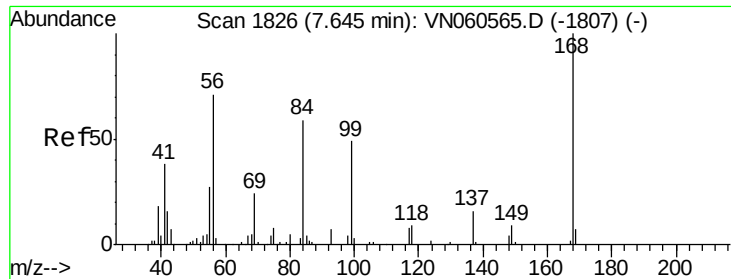
Quant Time: Mar 19 07:26:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152536	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	130249	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.56	113	98608	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.08	98	409020	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	157091	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	42981	44.388	ug/l	96
25) 2-Butanone	6.81	43	7720	4.927	ug/l	100
52) Toluene	10.14	92	9834	1.680	ug/l	96
67) Ethyl Benzene	11.50	91	7110	0.617	ug/l	98
68) m/p-Xylenes	11.61	106	18266	4.264	ug/l	98
69) o-Xylene	11.94	106	21292	5.207	ug/l	99
73) Isopropylbenzene	12.24	105	10232	0.894	ug/l	100
78) n-propylbenzene	12.59	91	42448	3.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	99391	10.231	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	471670	49.078	ug/l	99
85) sec-Butylbenzene	13.17	105	26499	2.447	ug/l	91
86) p-Isopropyltoluene	13.28	119	19811	2.034	ug/l	99
89) n-Butylbenzene	13.61	91	38291	4.355	ug/l #	74
95) Naphthalene	15.13	128	325585	37.893	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

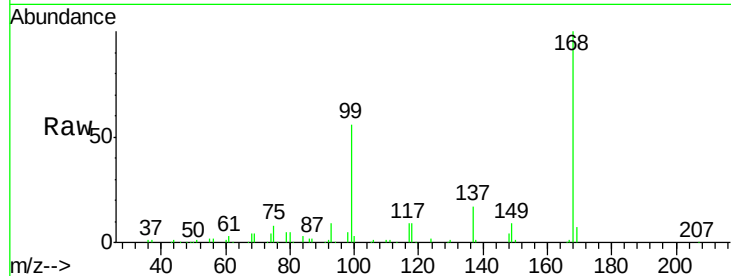
40748

Tot Ion:168 Resp: 199132

Ion Ratio Lower Upper

168 100

99 55.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

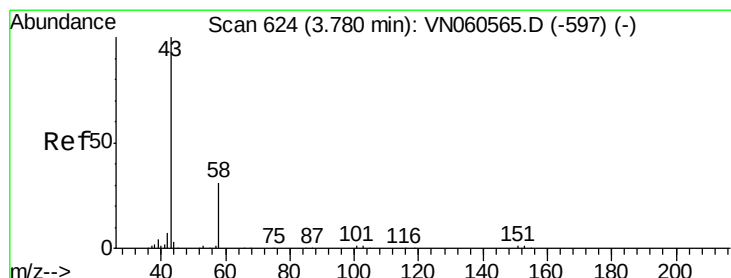
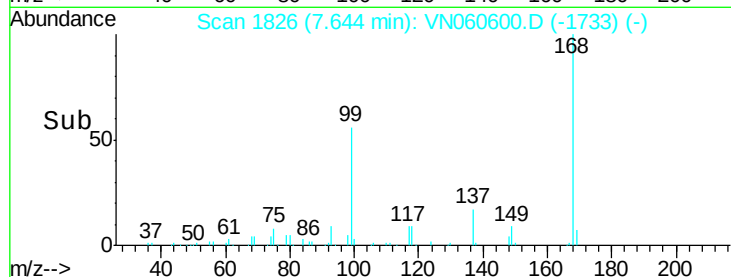
40000

20000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 44.388 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060600.D

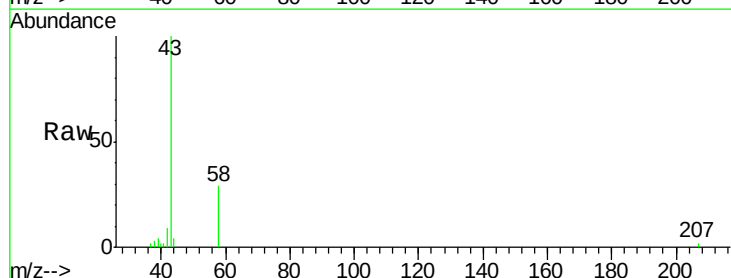
Acq: 18 Mar 2020 18:19

Tgt Ion: 43 Resp: 42981

Ion Ratio Lower Upper

43 100

58 29.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

15000

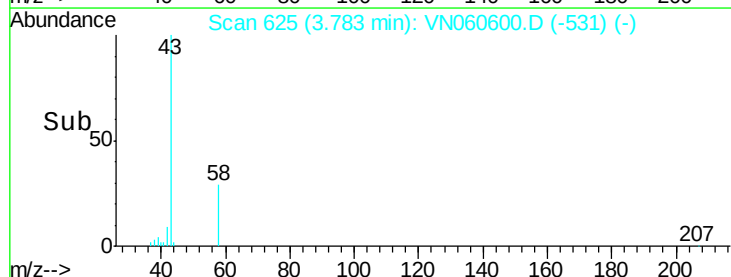
10000

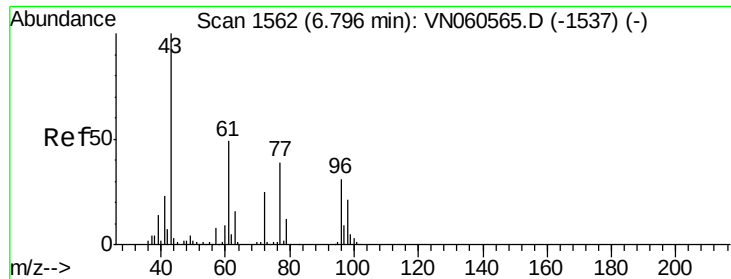
5000

0

3.70 3.80 3.90

Time-->

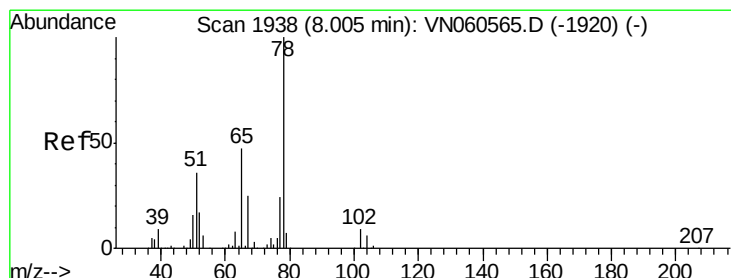
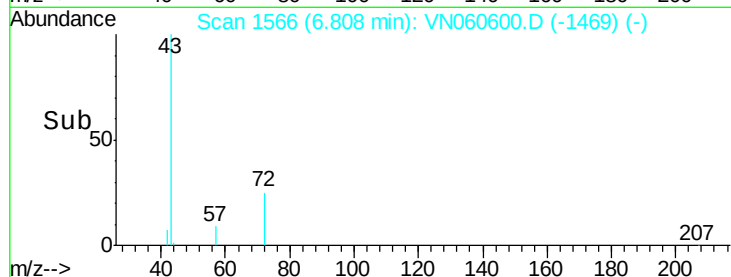
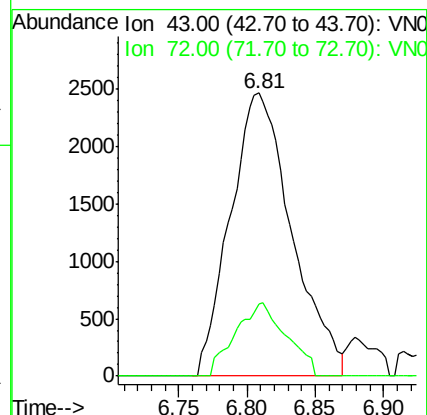
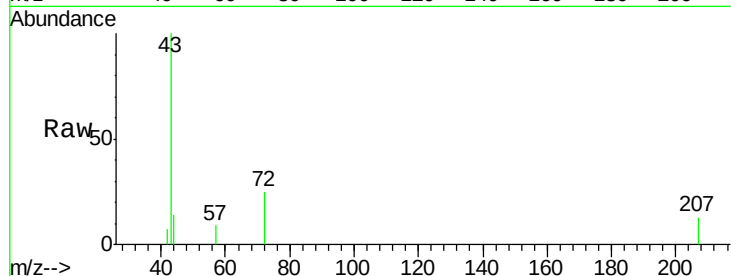




#25
 2-Butanone
 Concen: 4.927 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VN060600.D
 Acq: 18 Mar 2020 18:19

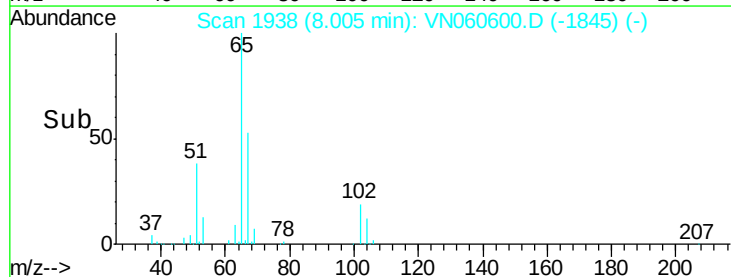
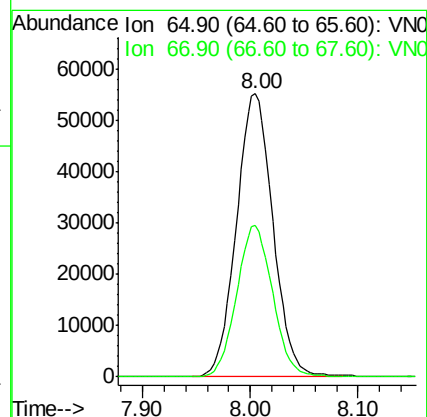
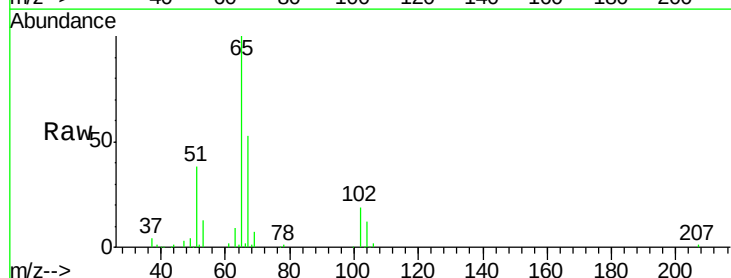
Instrument :
 MSVOA_N
 ClientSampled :
 40748

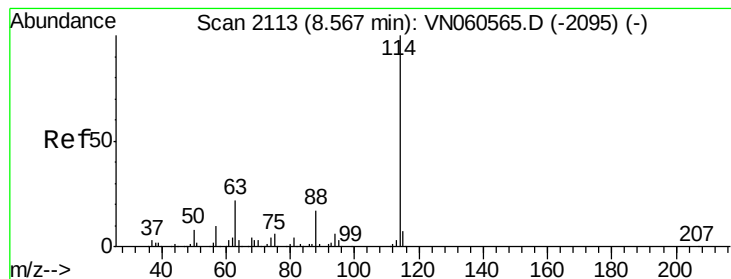
Tot Ion: 43 Resp: 7720
 Ion Ratio Lower Upper
 43 100
 72 25.3 20.4 30.6



#33
 1,2-Dichloroethane-d4
 Concen: 47.647 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060600.D
 Acq: 18 Mar 2020 18:19

Tgt Ion: 65 Resp: 130249
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

40748

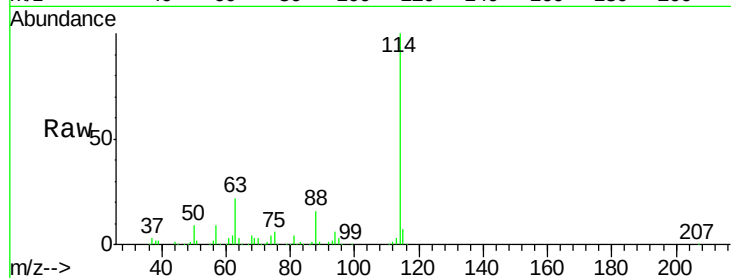
Tot Ion:114 Resp: 331540

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

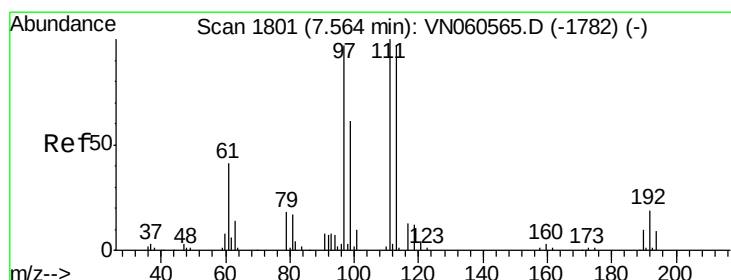
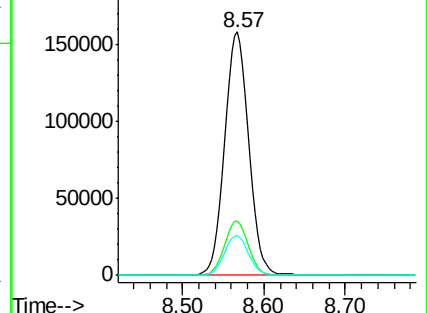
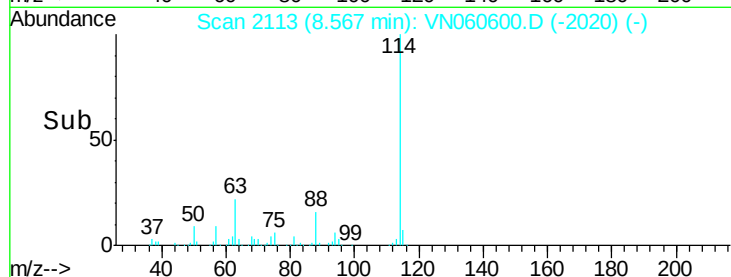
88 16.2 0.0 33.0



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: 49.188 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

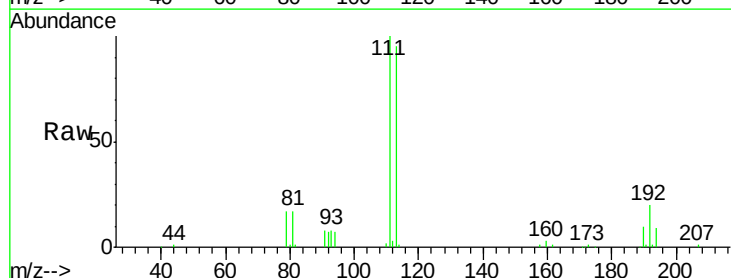
Tgt Ion:113 Resp: 98608

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

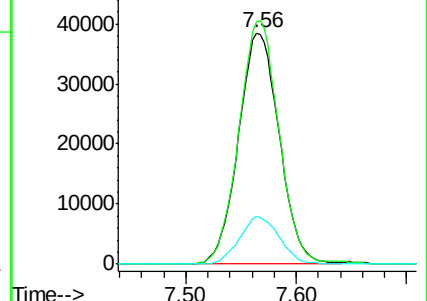
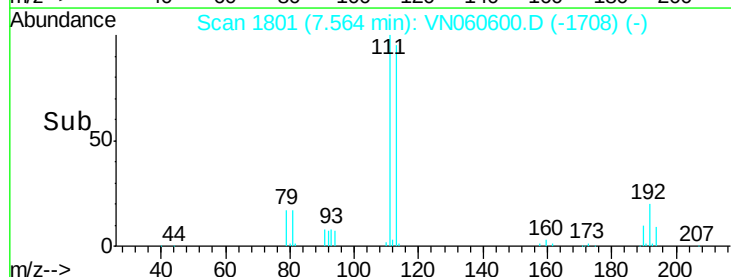
192 20.0 15.8 23.8

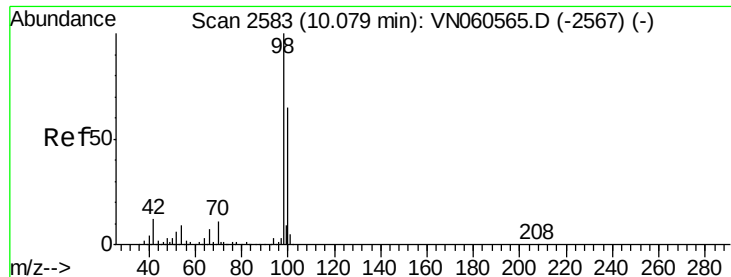


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.951 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

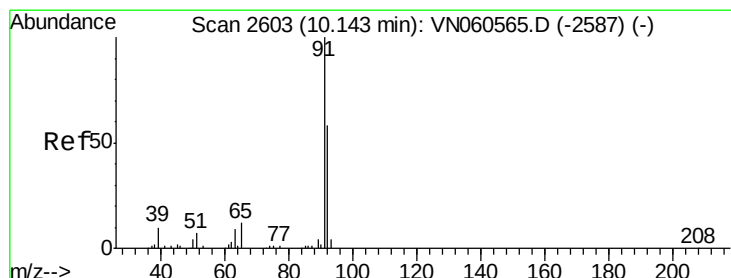
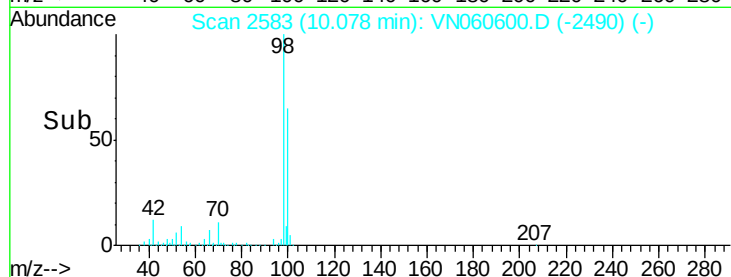
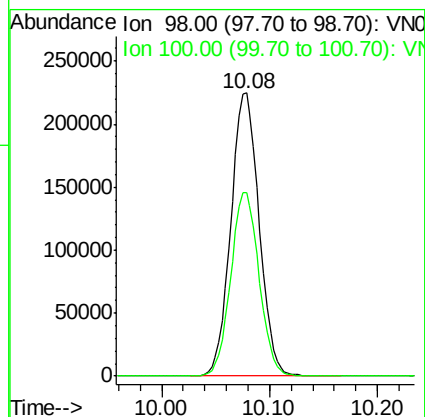
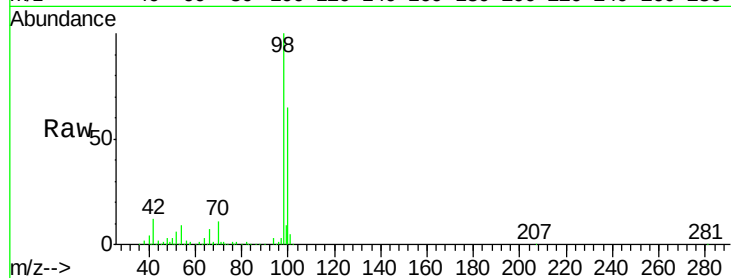
40748

Tot Ion: 98 Resp: 409020

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



#52

Toluene

Concen: 1.680 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060600.D

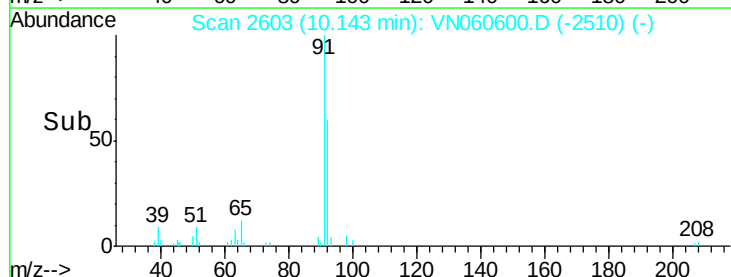
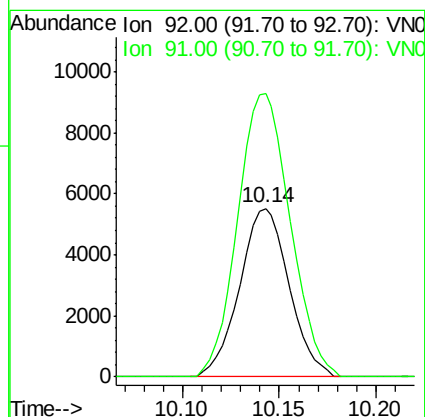
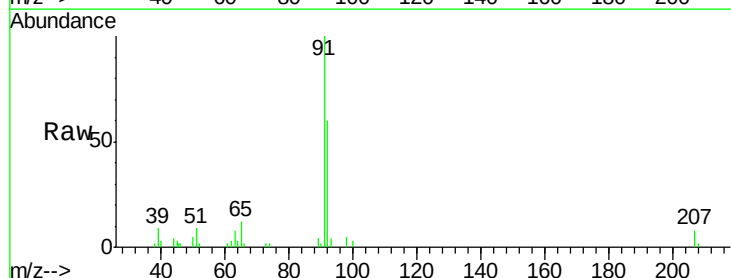
Acq: 18 Mar 2020 18:19

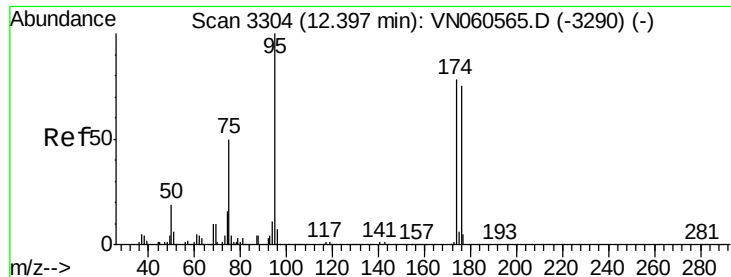
Tgt Ion: 92 Resp: 9834

Ion Ratio Lower Upper

92 100

91 177.8 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 52.347 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

40748

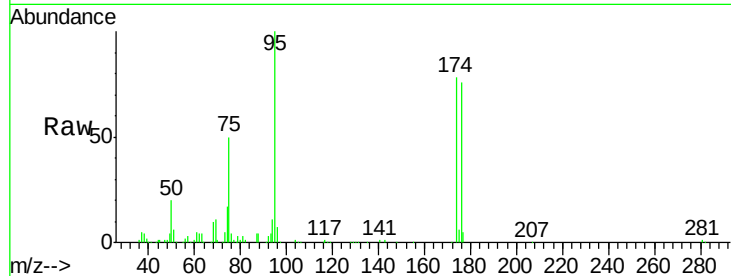
Tot Ion: 95 Resp: 157091

Ion Ratio Lower Upper

95 100

174 77.4 0.0 157.6

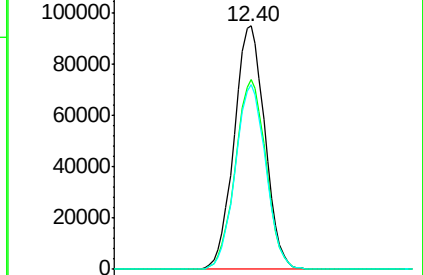
176 75.5 0.0 150.6



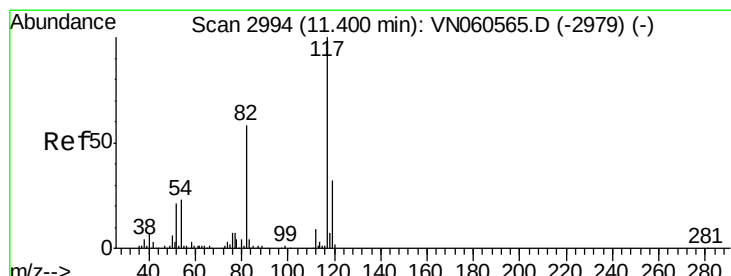
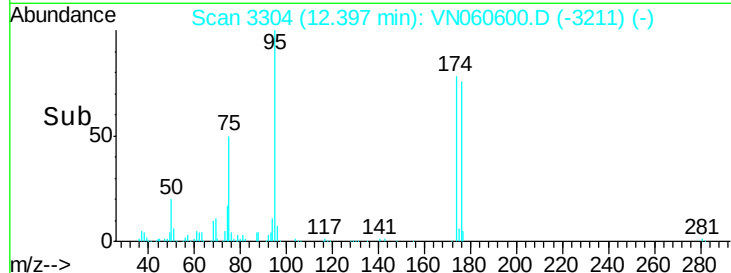
Abundance Ion 94.90 (94.60 to 95.60): VN060600.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060600.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060600.D (-3211) (-)



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

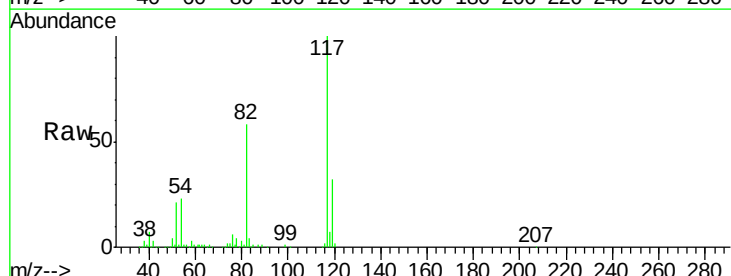
Tgt Ion: 117 Resp: 312663

Ion Ratio Lower Upper

117 100

82 58.2 46.7 70.1

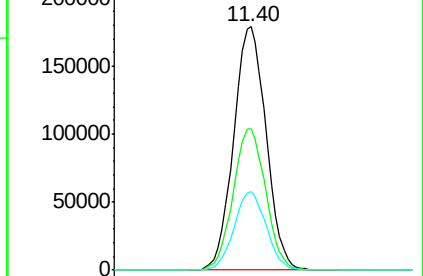
119 32.3 25.5 38.3



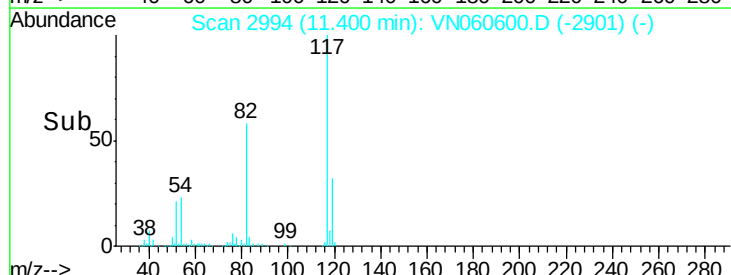
Abundance Ion 116.90 (116.60 to 117.60): VN060600.D (-2901) (-)

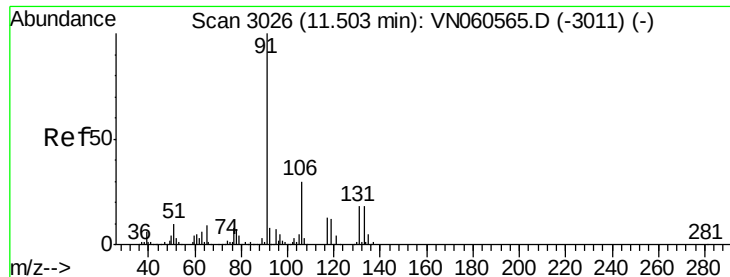
Ion 82.00 (81.70 to 82.70): VN060600.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060600.D (-2901) (-)



Time--> 11.30 11.40 11.50





#67

Ethyl Benzene

Concen: 0.617 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

Instrument :

MSVOA_N

ClientSampleId :

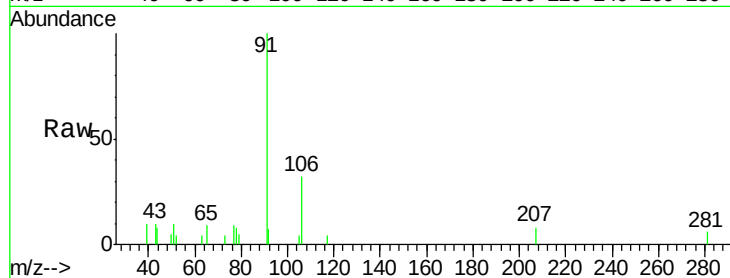
40748

Tot Ion: 91 Resp: 7110

Ion Ratio Lower Upper

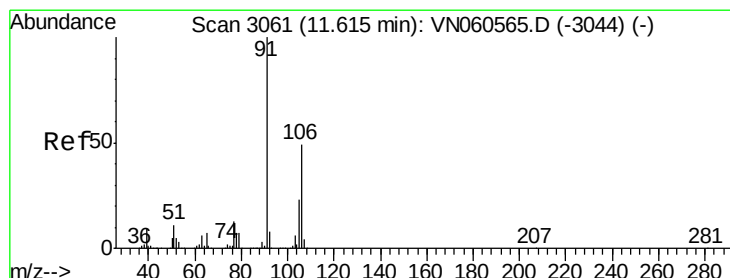
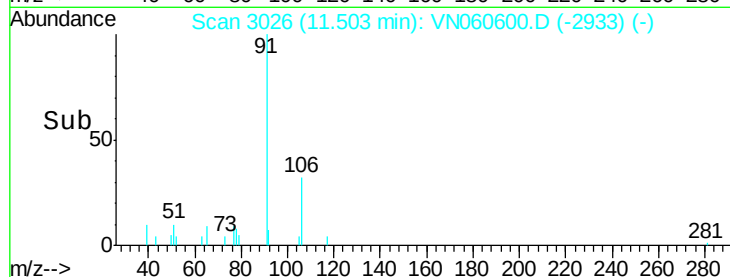
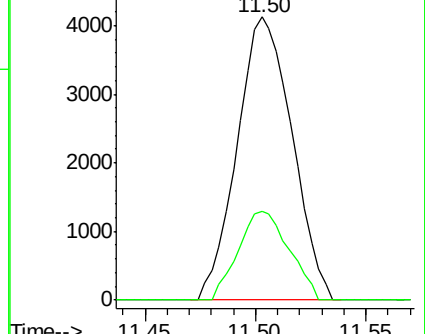
91 100

106 31.5 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060600.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060600.D (-2933) (-)



#68

m/p-Xylenes

Concen: 4.264 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060600.D

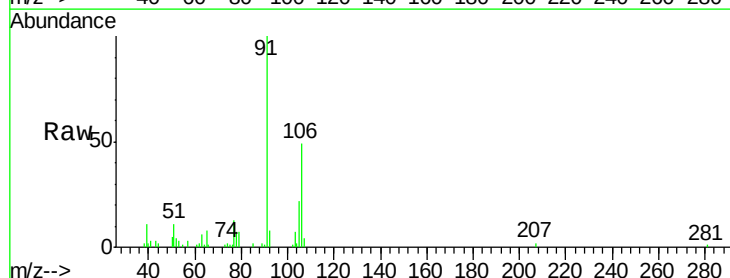
Acq: 18 Mar 2020 18:19

Tgt Ion: 106 Resp: 18266

Ion Ratio Lower Upper

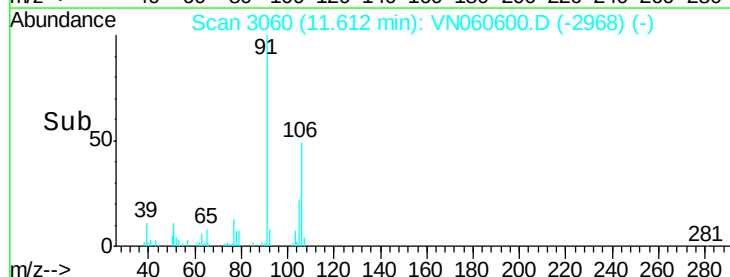
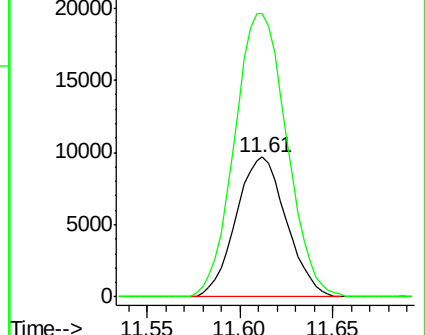
106 100

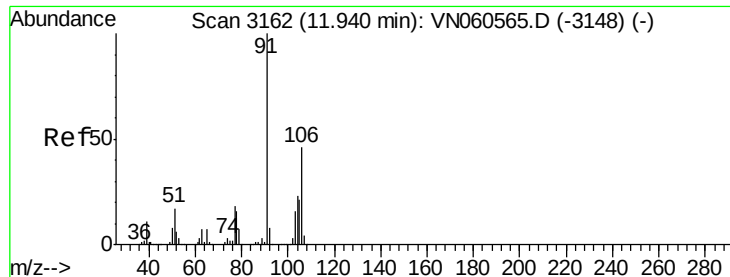
91 209.3 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060600.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060600.D (-2968) (-)

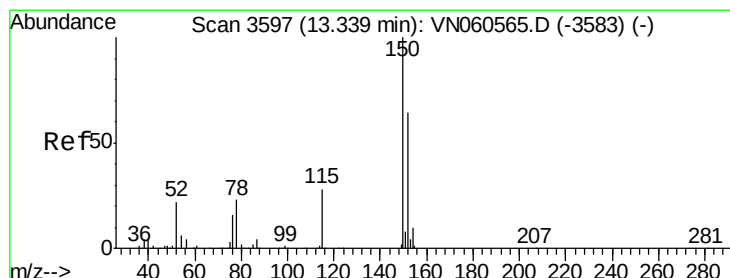
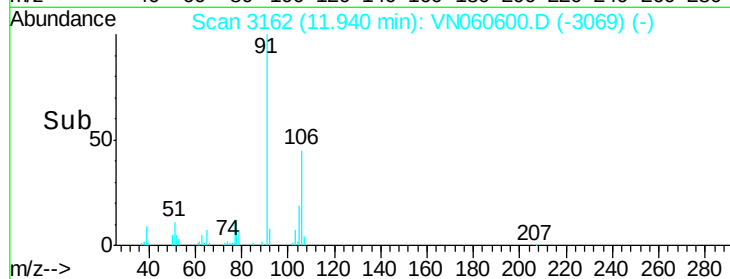
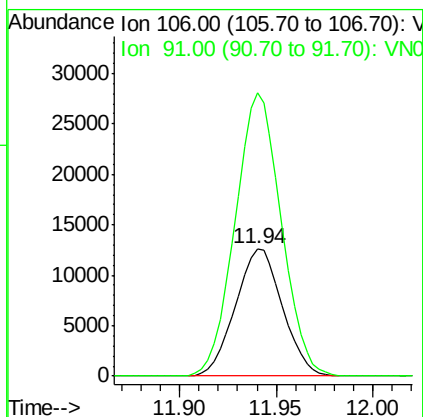
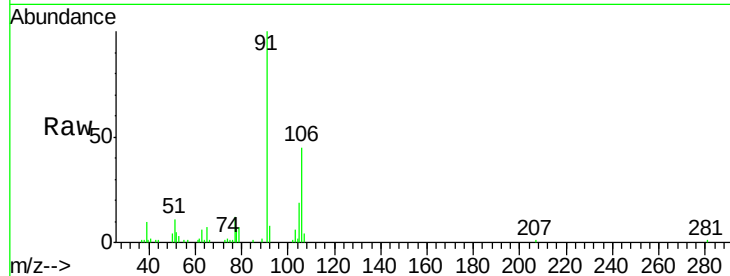




#69
o-Xylene
Concen: 5.207 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060600.D
Acq: 18 Mar 2020 18:19

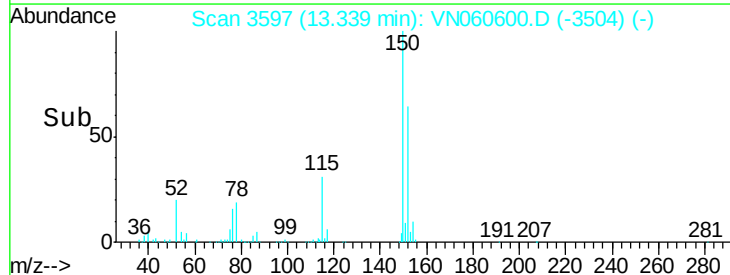
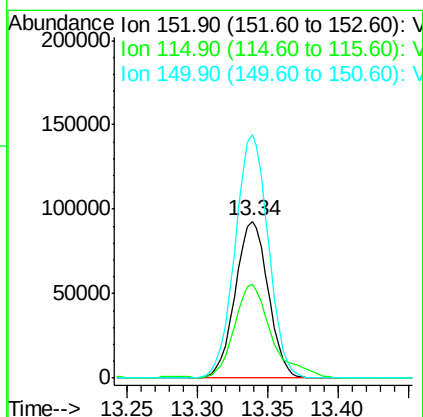
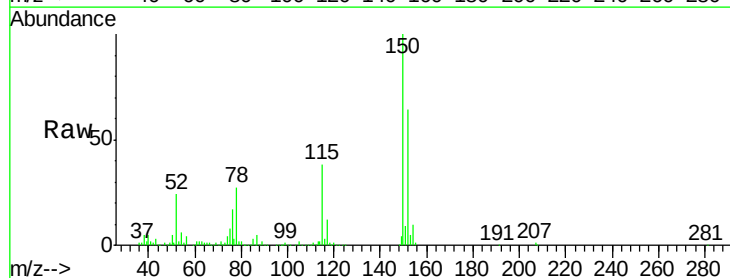
Instrument :
MSVOA_N
ClientSampled :
40748

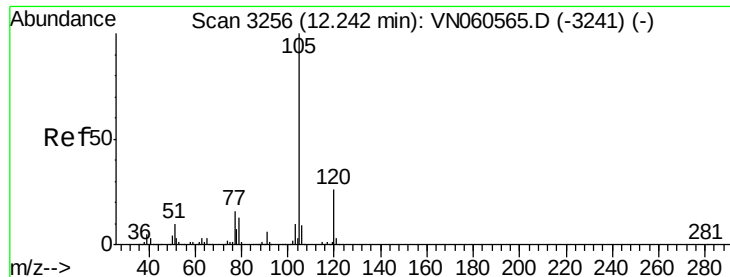
Tot Ion:106 Resp: 21292
Ion Ratio Lower Upper
106 100
91 217.9 109.5 328.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060600.D
Acq: 18 Mar 2020 18:19

Tgt Ion:152 Resp: 152536
Ion Ratio Lower Upper
152 100
115 66.8 30.2 90.6
150 155.9 0.0 350.2





#73

Isopropylbenzene

Concen: 0.894 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

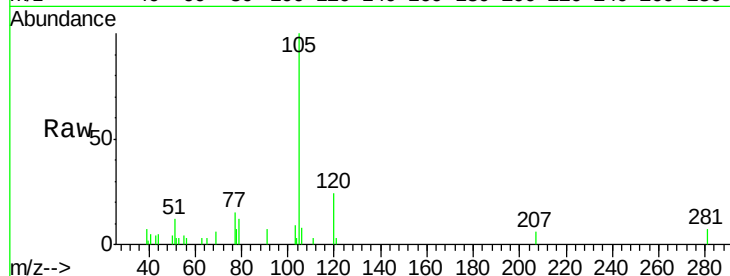
40748

Tot Ion:105 Resp: 10232

Ion Ratio Lower Upper

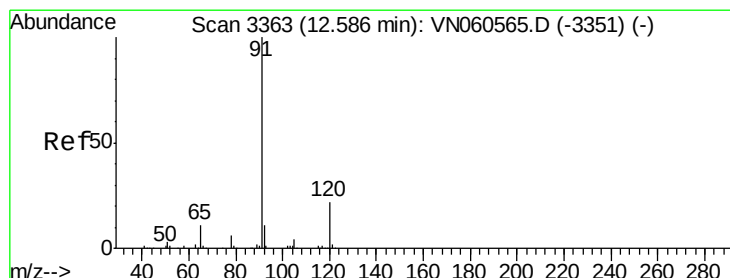
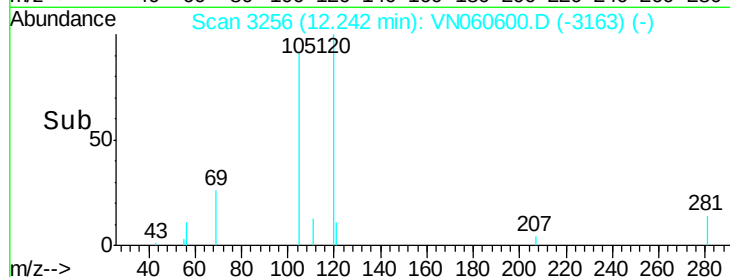
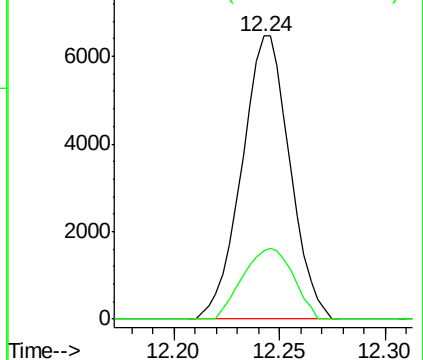
105 100

120 26.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.139 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060600.D

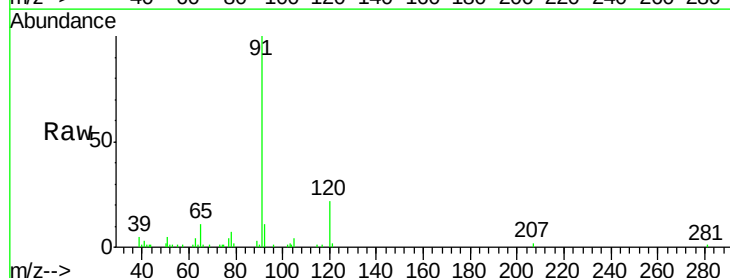
Acq: 18 Mar 2020 18:19

Tgt Ion: 91 Resp: 42448

Ion Ratio Lower Upper

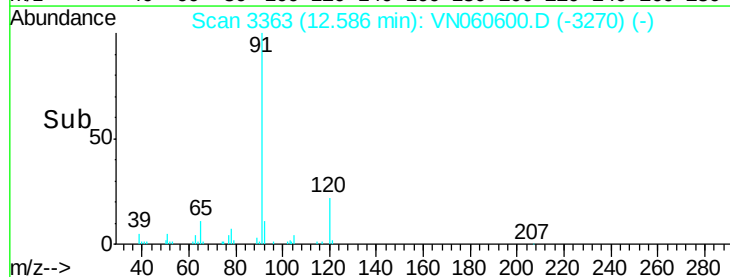
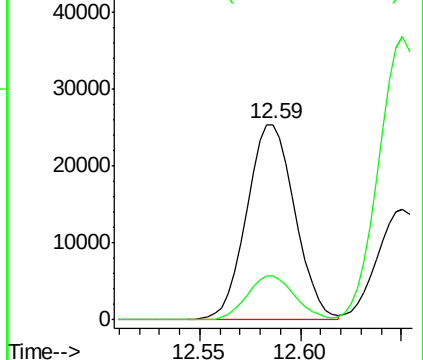
91 100

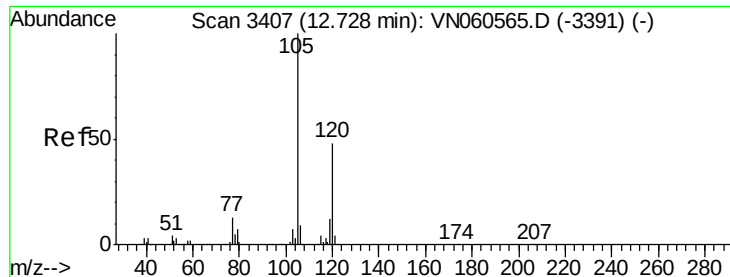
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 10.231 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060600.D

Acq: 18 Mar 2020 18:19

Instrument :

MSVOA_N

ClientSampled :

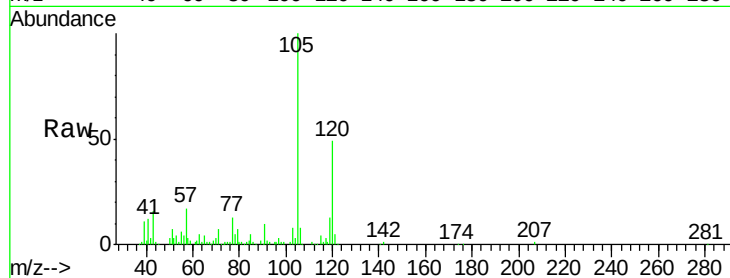
40748

Tot Ion:105 Resp: 99391

Ion Ratio Lower Upper

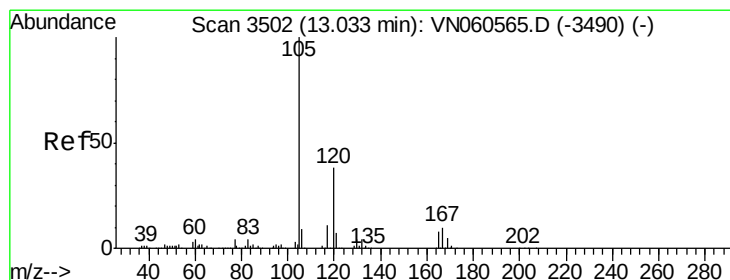
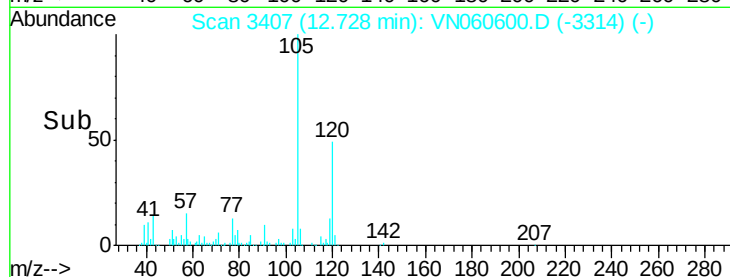
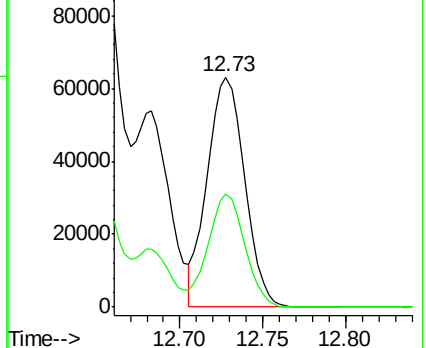
105 100

120 48.6 23.9 71.7



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: 49.078 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060600.D

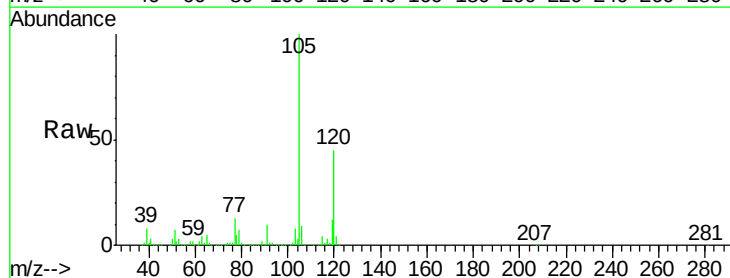
Acq: 18 Mar 2020 18:19

Tgt Ion:105 Resp: 471670

Ion Ratio Lower Upper

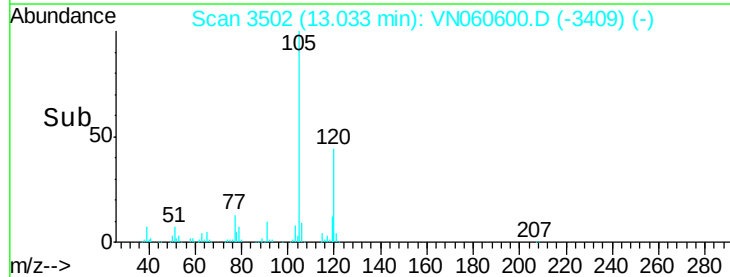
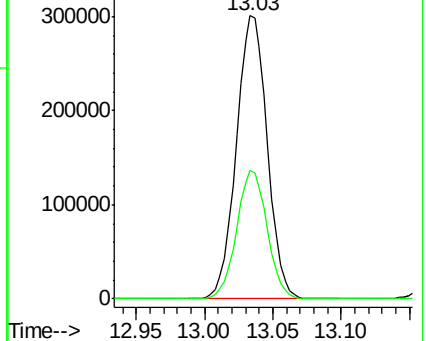
105 100

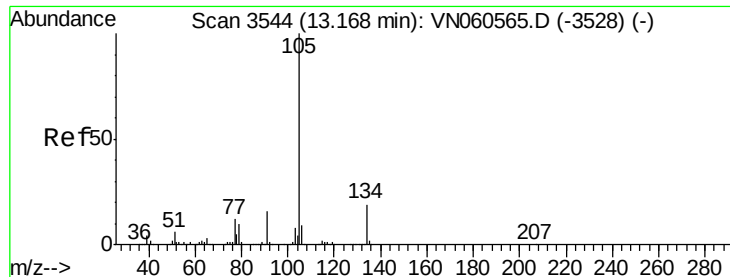
120 44.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

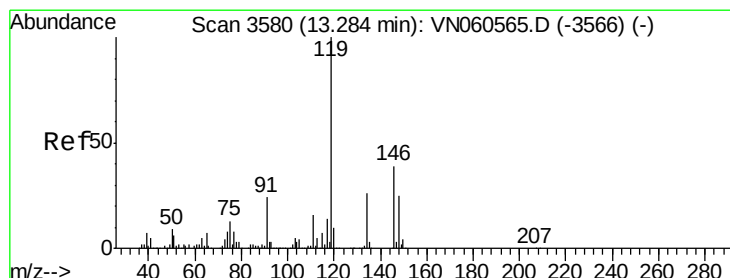
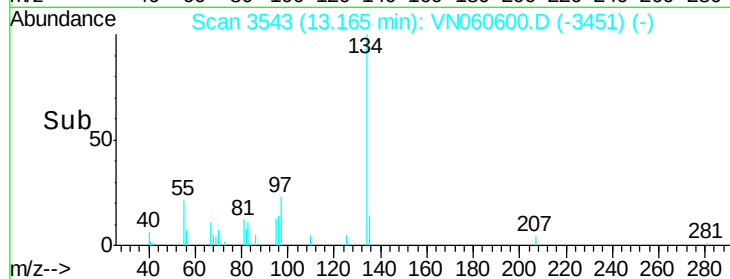
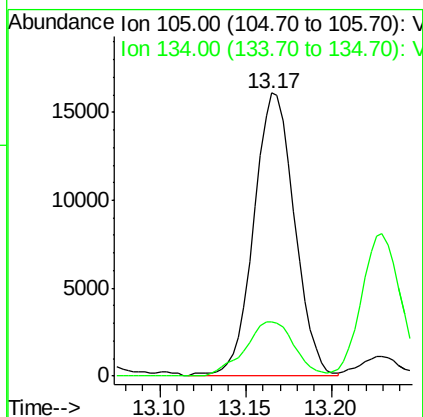
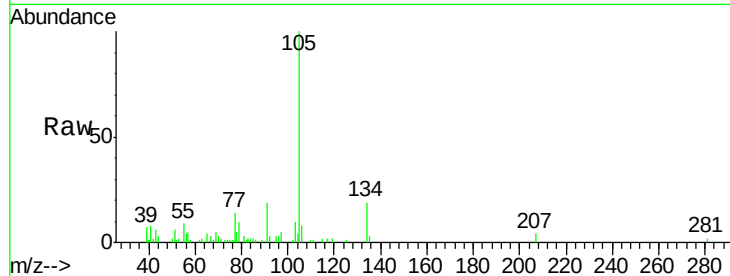




#85
 sec-Butylbenzene
 Concen: 2.447 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060600.D
 Acq: 18 Mar 2020 18:19

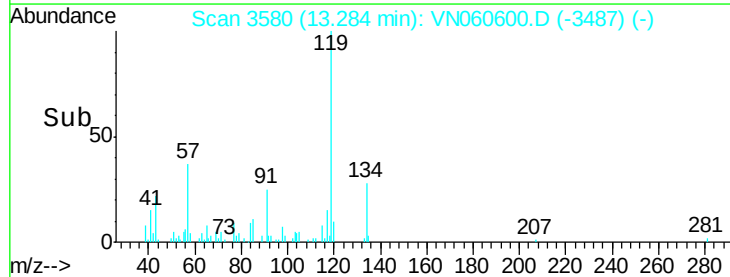
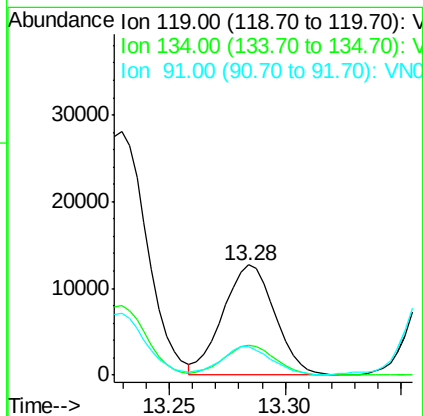
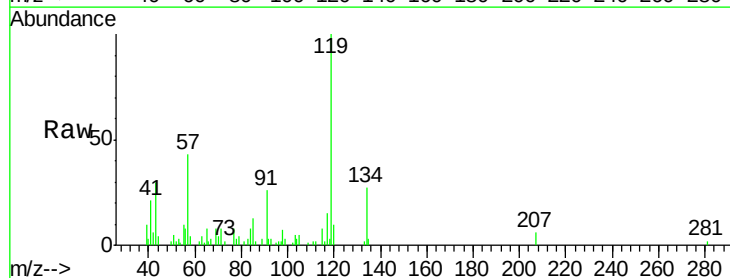
Instrument :
 MSVOA_N
 ClientSampled :
 40748

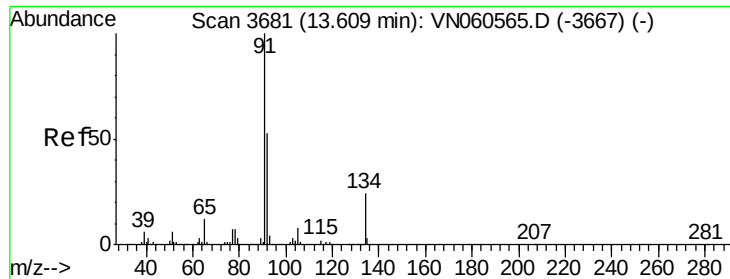
Tot Ion:105 Resp: 26499
 Ion Ratio Lower Upper
 105 100
 134 23.2 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 2.034 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060600.D
 Acq: 18 Mar 2020 18:19

Tgt Ion:119 Resp: 19811
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 39.0
 91 24.8 12.0 36.0

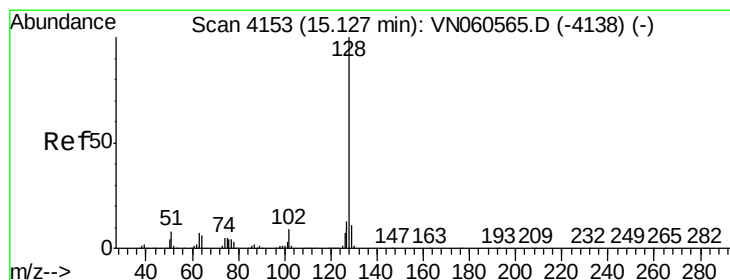
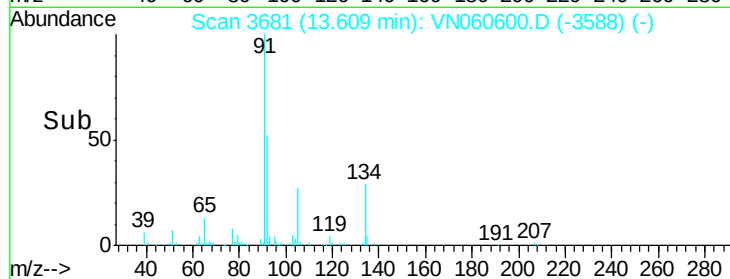
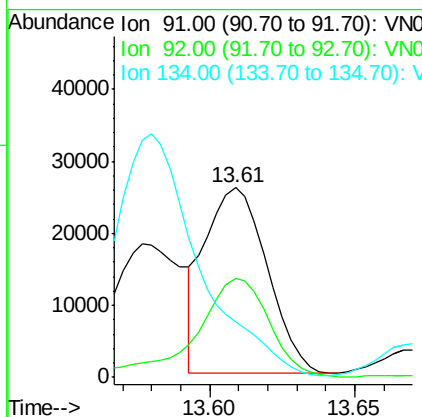
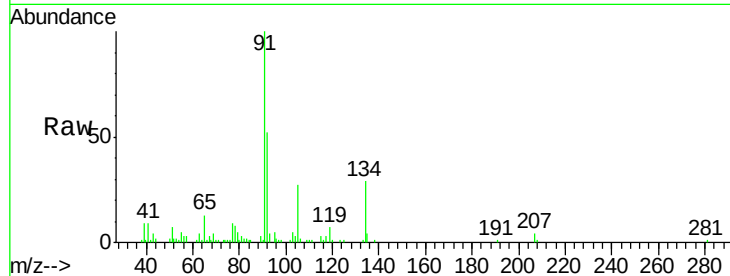




#89
n-Butylbenzene
Concen: 4.355 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060600.D
Acq: 18 Mar 2020 18:19

Instrument :
MSVOA_N
ClientSampleId :
40748

Tot Ion: 91 Resp: 38291
Ion Ratio Lower Upper
91 100
92 62.9 26.2 78.5
134 0.0 12.3 36.9#



#95
Naphthalene
Concen: 37.893 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060600.D
Acq: 18 Mar 2020 18:19

Tgt Ion: 128 Resp: 325585
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.3 8.8 13.2

