

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051120\
 Data File : VN061387.D
 Acq On : 11 May 2020 15:22
 Operator : JC/MD
 Sample : L2544-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ST008MW037-200504

Quant Time: May 12 03:44:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	108676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	196694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	186869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85184	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	88742	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.22%		
35) Dibromofluoromethane	7.55	113	59096	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.62%		
50) Toluene-d8	10.06	98	245087	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.38%		
62) 4-Bromofluorobenzene	12.38	95	93909	52.63	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.26%		

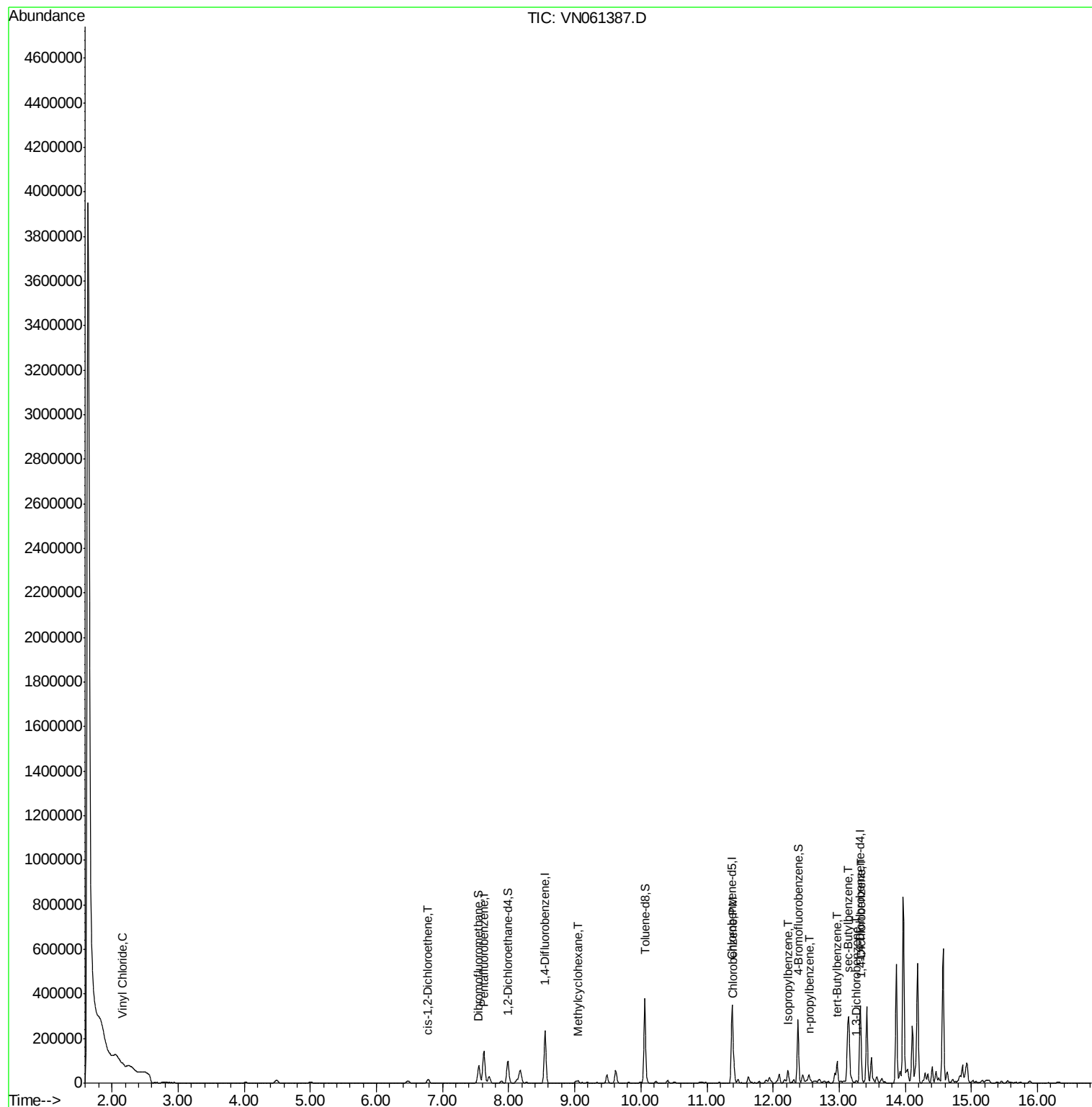
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	6845	4.318	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	9672	6.601	ug/l	91
39) Methylcyclohexane	9.04	83	4115	1.864	ug/l	91
65) Chlorobenzene	11.41	112	42554	11.480	ug/l	100
73) Isopropylbenzene	12.22	105	33774	5.393	ug/l	100
78) n-propylbenzene	12.56	91	8667	1.167	ug/l	96
83) tert-Butylbenzene	12.97	119	42551	9.736	ug/l	94
85) sec-Butylbenzene	13.15	105	163338	27.413	ug/l #	63
87) 1,3-Dichlorobenzene	13.26	146	3244	1.219	ug/l	91
88) 1,4-Dichlorobenzene	13.34	146	7546	2.775	ug/l	85

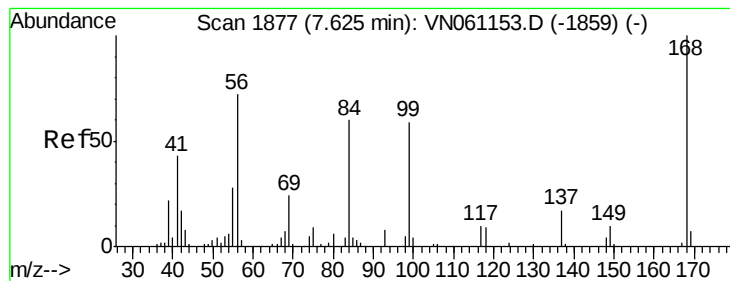
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

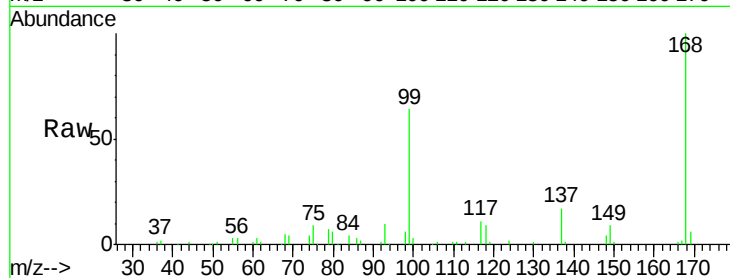
ST008MW037-200504

Tot Ion:168 Resp: 108676

Ion Ratio Lower Upper

168 100

99 64.1 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

50000

40000

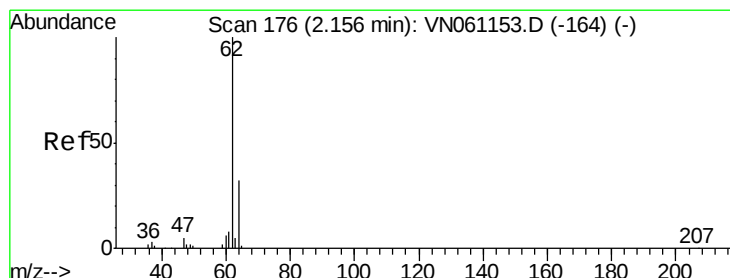
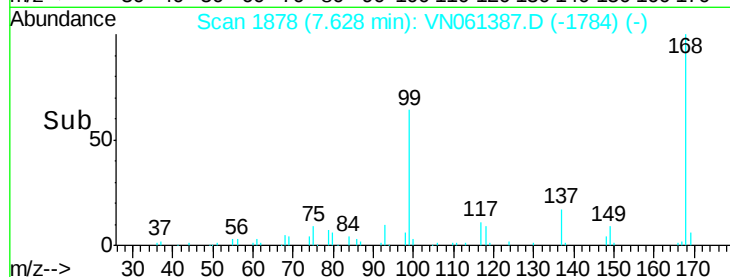
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 4.318 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061387.D

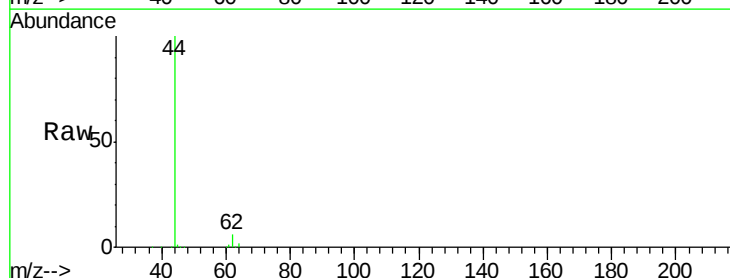
Acq: 11 May 2020 15:22

Tgt Ion: 62 Resp: 6845

Ion Ratio Lower Upper

62 100

64 33.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

5000

4000

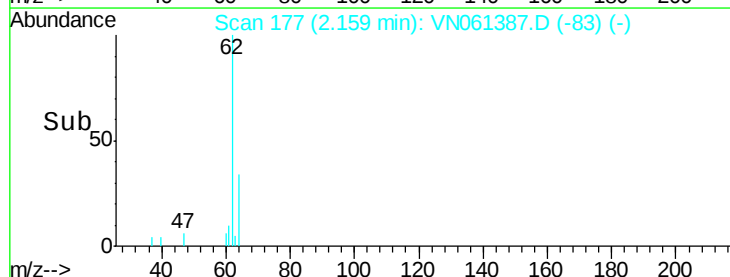
3000

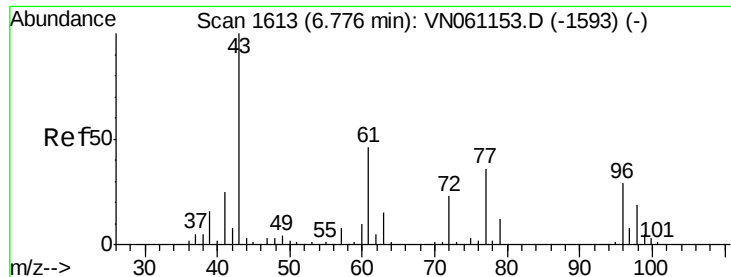
2000

1000

0

Time--> 2.10 2.15 2.20





#27

cis-1,2-Dichloroethene

Concen: 6.601 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.01 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

ST008MW037-200504

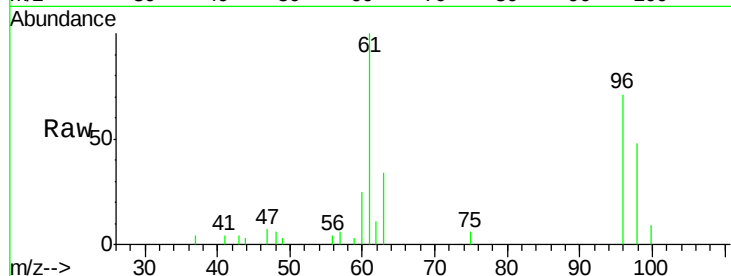
Tot Ion: 96 Resp: 9672

Ion Ratio Lower Upper

96 100

61 144.9 0.0 322.0

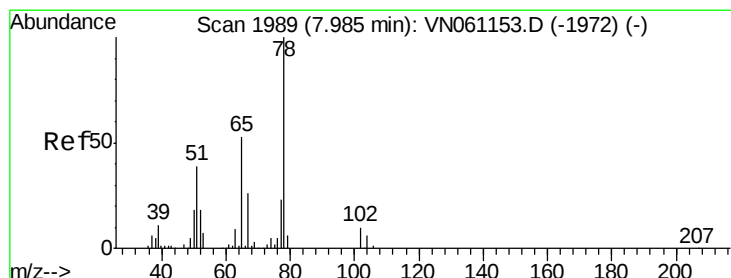
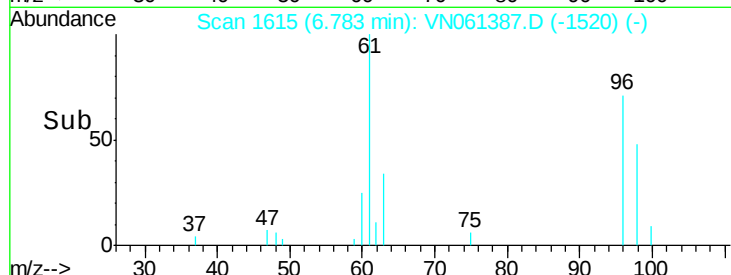
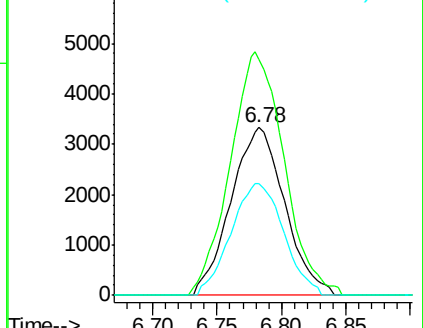
98 65.1 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.606 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061387.D

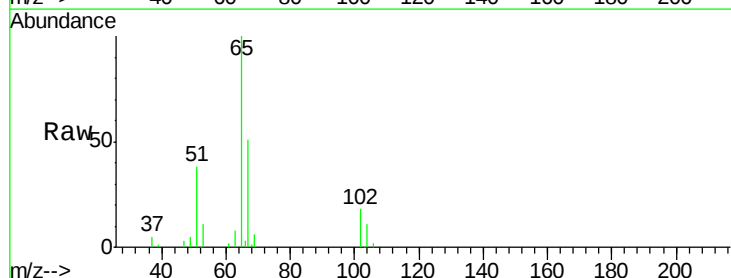
Acq: 11 May 2020 15:22

Tgt Ion: 65 Resp: 88742

Ion Ratio Lower Upper

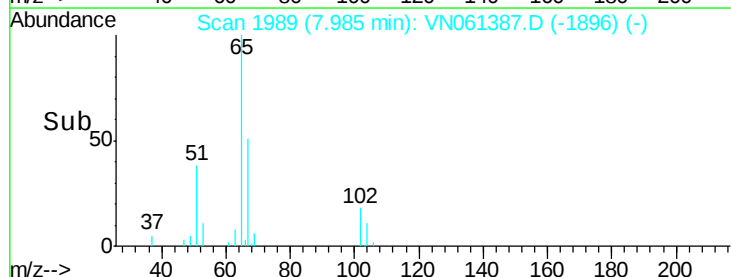
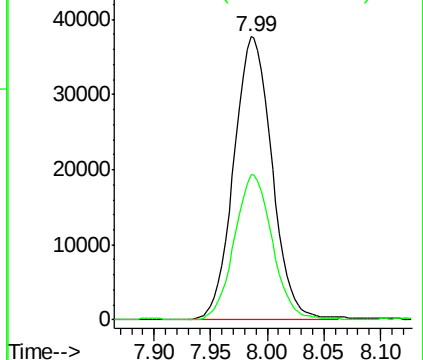
65 100

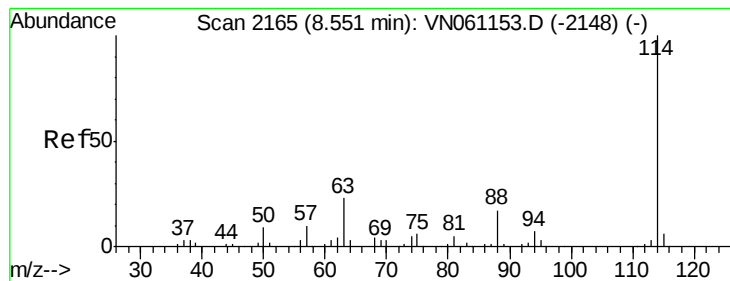
67 50.9 0.0 101.6



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: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

ST008MW037-200504

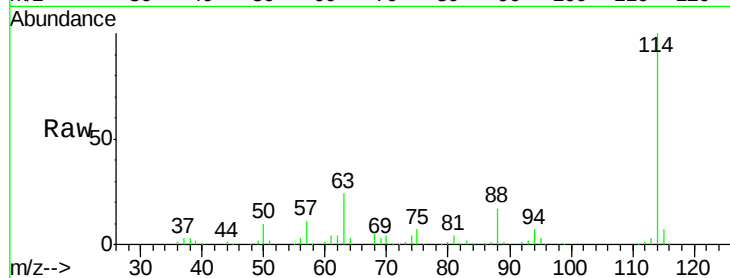
Tot Ion:114 Resp: 196694

Ion Ratio Lower Upper

114 100

63 24.1 0.0 46.6

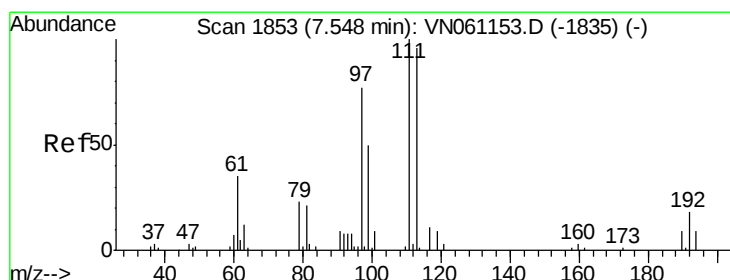
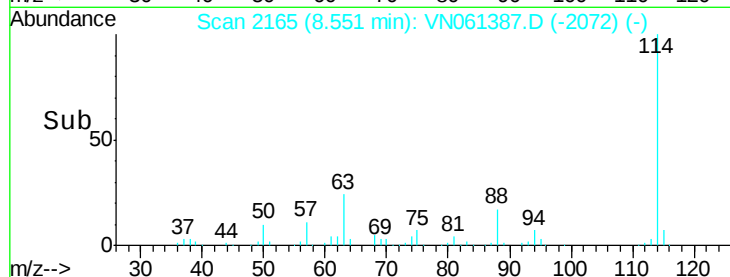
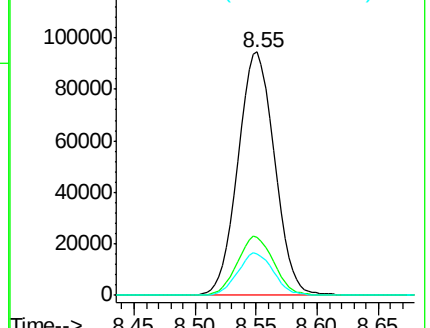
88 17.0 0.0 33.4



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: 50.809 ug/l

RT: 7.55 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

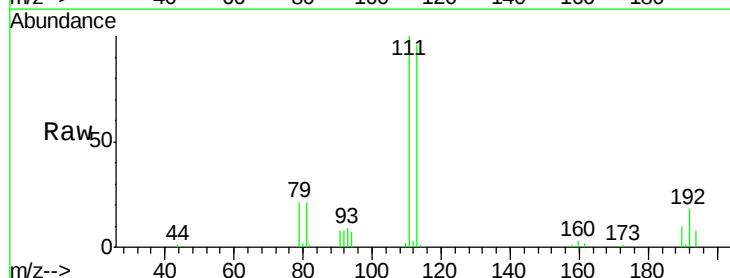
Tgt Ion:113 Resp: 59096

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

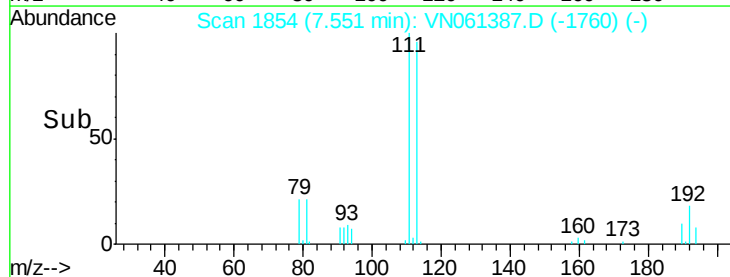
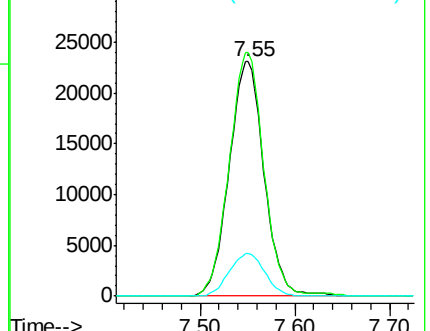
192 18.3 14.7 22.1

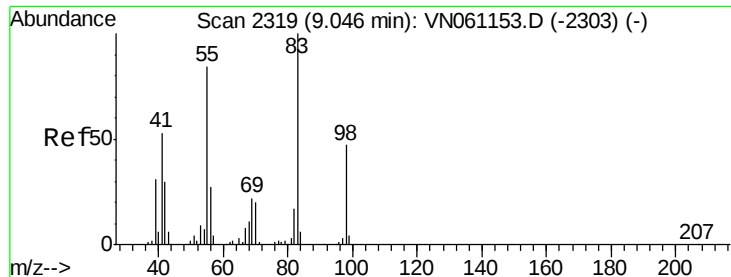


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

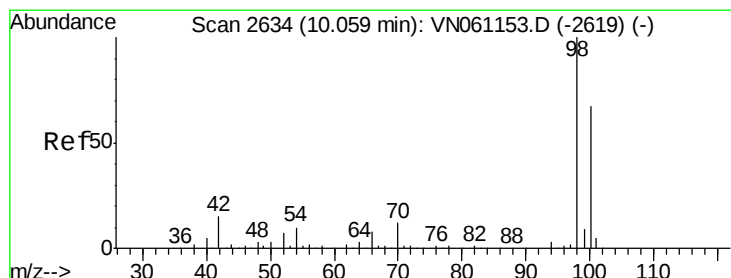
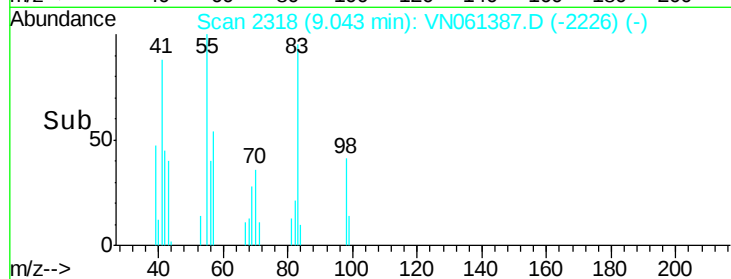
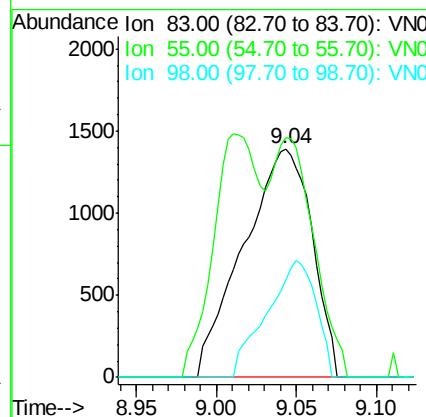
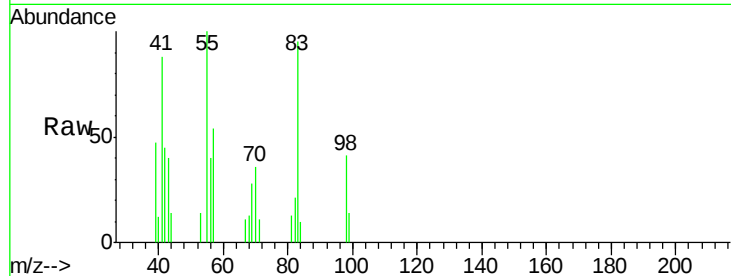




#39
Methvlcvclohexane
Concen: 1.864 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061387.D
Acq: 11 May 2020 15:22

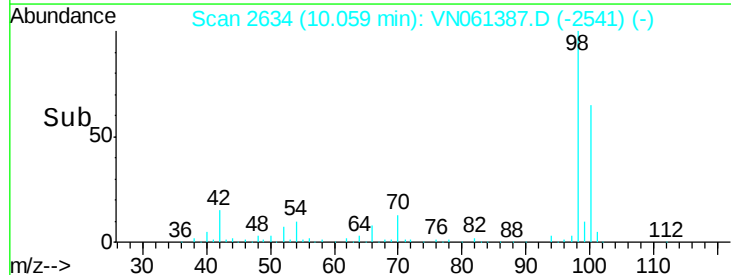
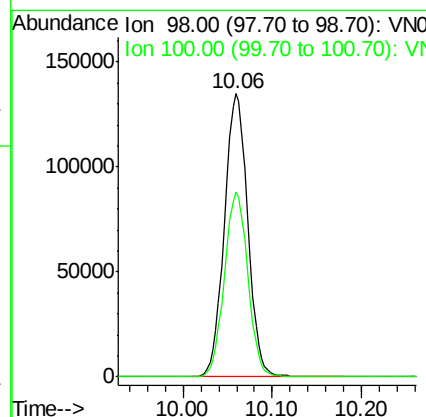
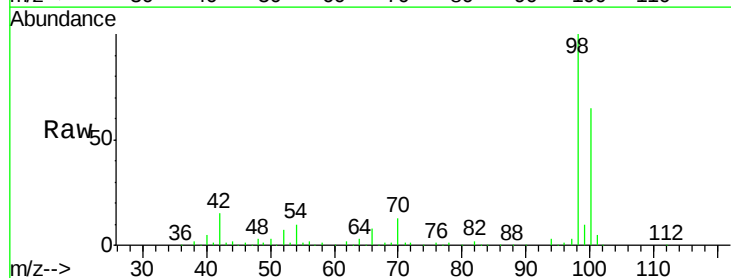
Instrument :
MSVOA_N
ClientSampleId :
ST008MW037-200504

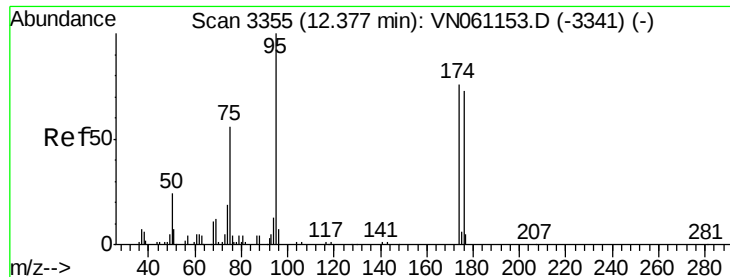
Tot Ion: 83 Resp: 4115
Ion Ratio Lower Upper
83 100
55 92.9 67.3 100.9
98 42.7 37.7 56.5



#50
Toluene-d8
Concen: 51.691 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061387.D
Acq: 11 May 2020 15:22

Tgt Ion: 98 Resp: 245087
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 52.632 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

ST008MW037-200504

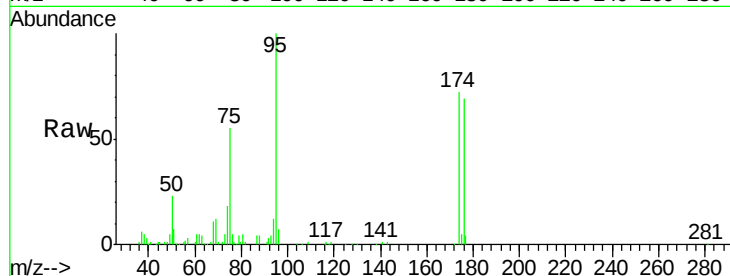
Tot Ion: 95 Resp: 93909

Ion Ratio Lower Upper

95 100

174 72.2 0.0 149.4

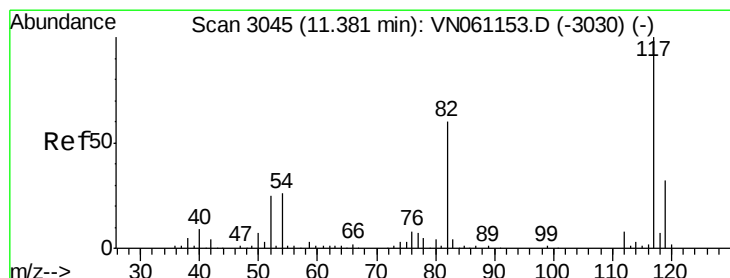
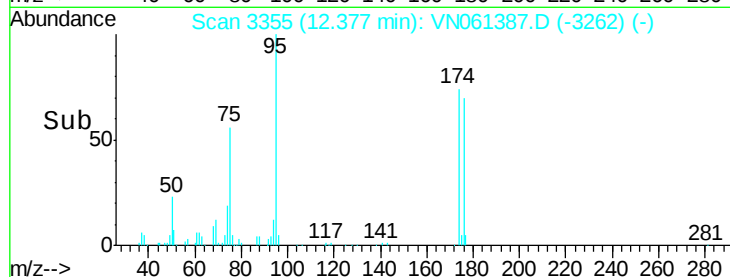
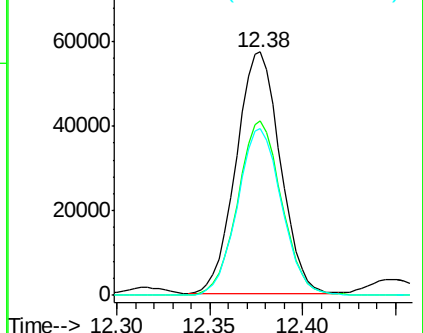
176 69.7 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061387.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061387.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061387.D (-2952) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

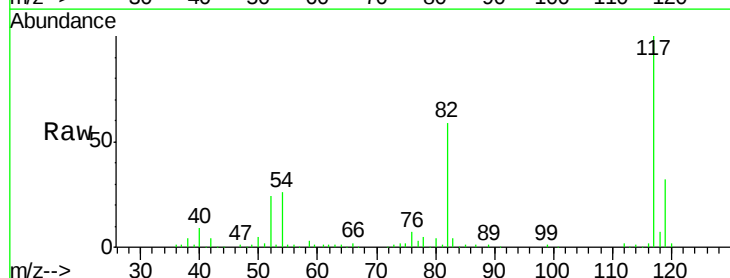
Tgt Ion: 117 Resp: 186869

Ion Ratio Lower Upper

117 100

82 59.5 47.8 71.8

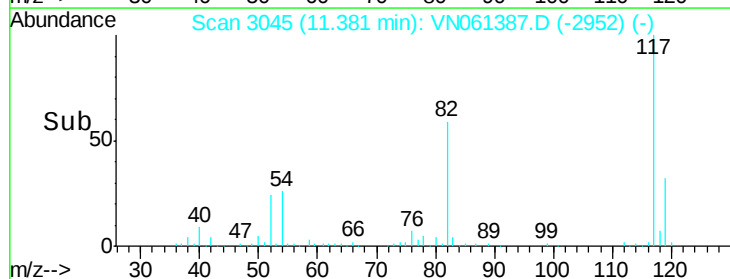
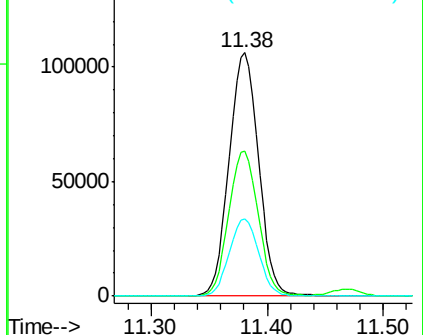
119 31.9 25.8 38.6

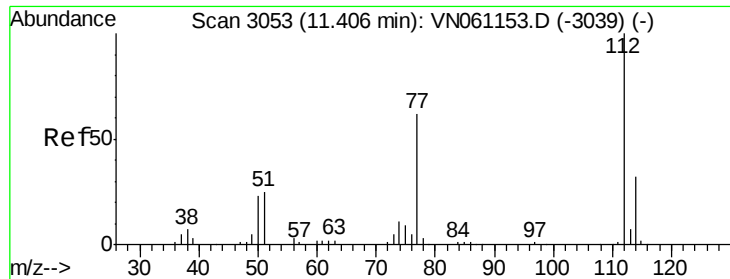


Abundance Ion 116.90 (116.60 to 117.60): VN061387.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061387.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061387.D (-2952) (-)





#65

Chlorobenzene

Concen: 11.480 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

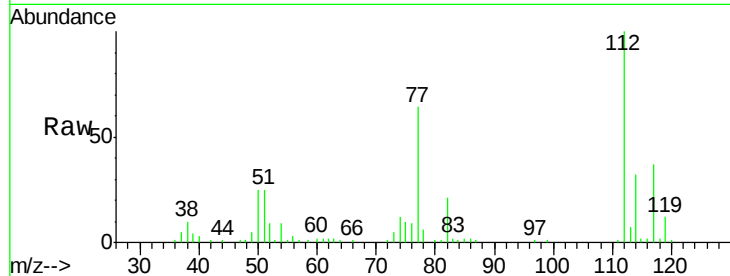
ST008MW037-200504

Tot Ion:112 Resp: 42554

Ion Ratio Lower Upper

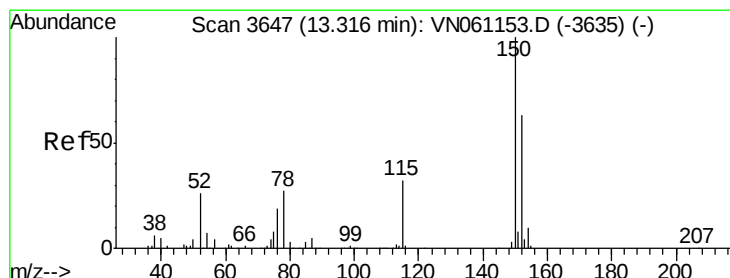
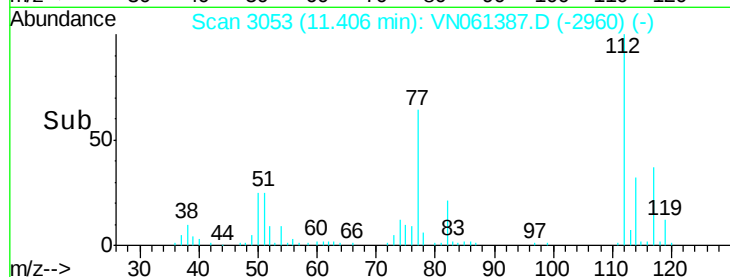
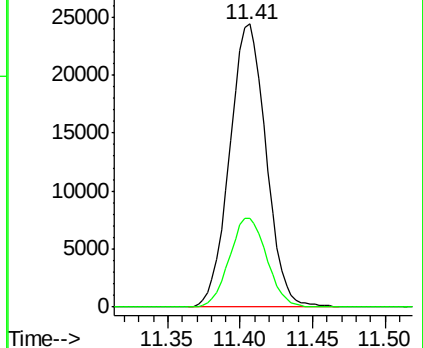
112 100

114 31.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

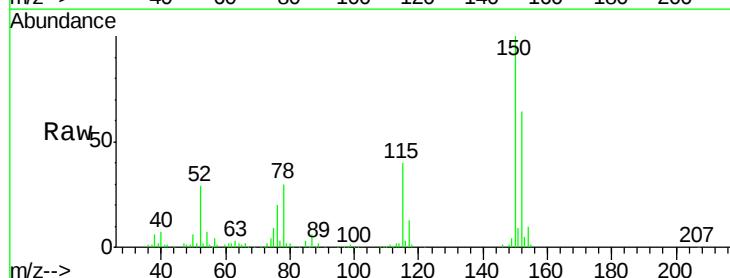
Tgt Ion:152 Resp: 85184

Ion Ratio Lower Upper

152 100

115 62.7 31.0 93.0

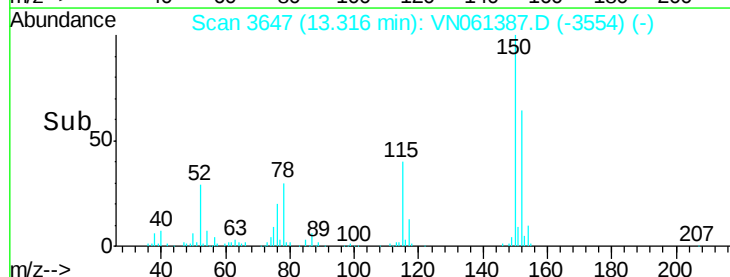
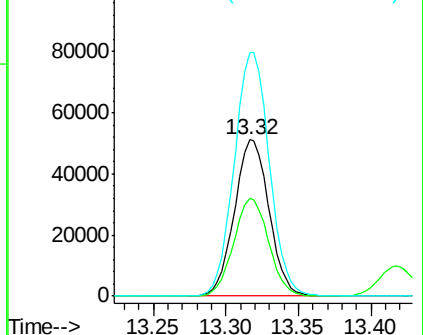
150 157.8 0.0 351.8

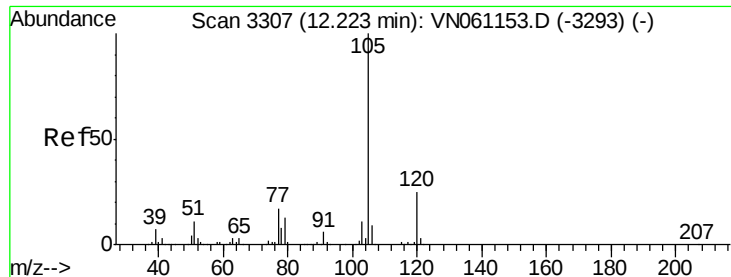


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.393 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

Instrument :

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ClientSampleId :

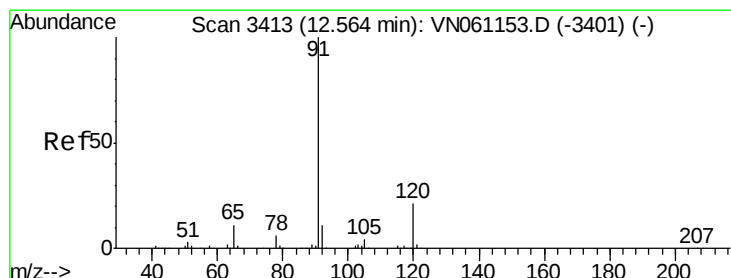
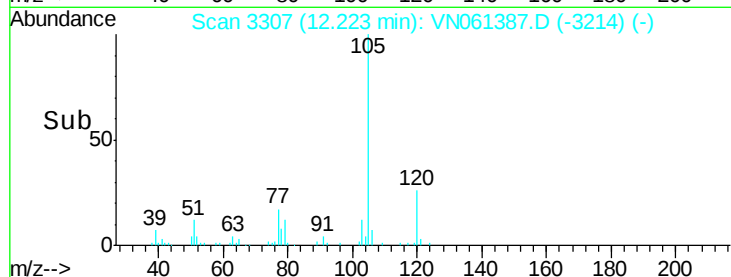
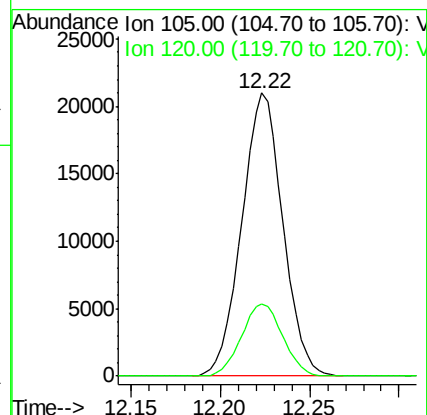
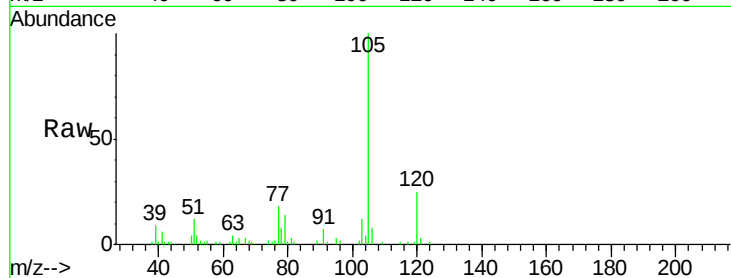
ST008MW037-200504

Tot Ion:105 Resp: 33774

Ion Ratio Lower Upper

105 100

120 25.4 12.6 37.8



#78

n-propylbenzene

Concen: 1.167 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061387.D

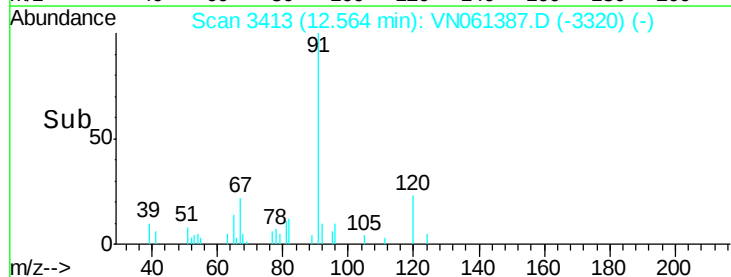
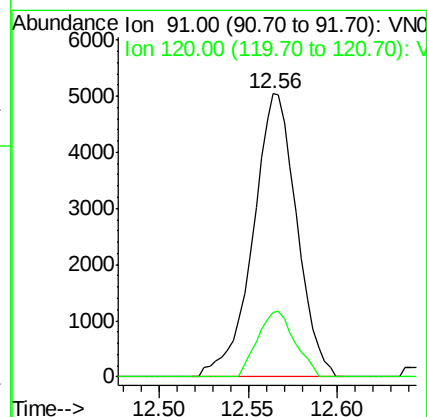
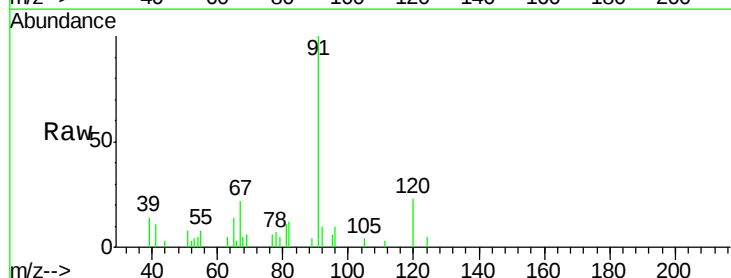
Acq: 11 May 2020 15:22

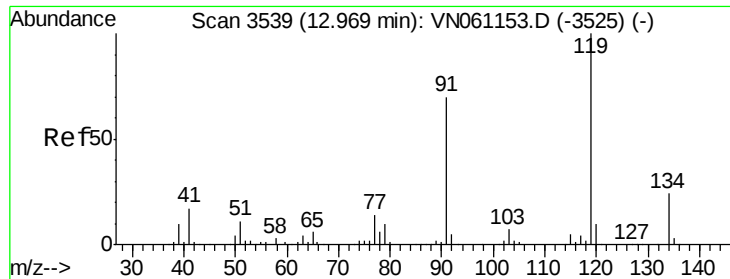
Tgt Ion: 91 Resp: 8667

Ion Ratio Lower Upper

91 100

120 19.7 10.8 32.3





#83

tert-Butylbenzene

Concen: 9.736 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061387.D

Acq: 11 May 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

ST008MW037-200504

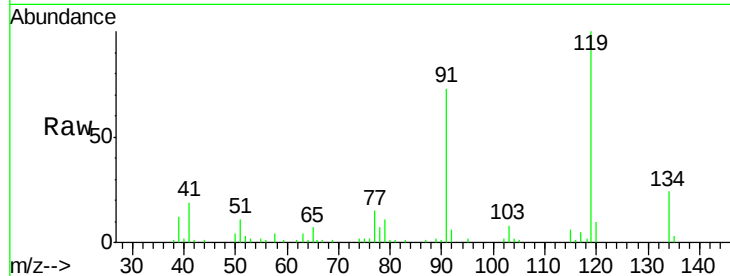
Tot Ion:119 Resp: 42551

Ion Ratio Lower Upper

119 100

91 75.0 34.8 104.4

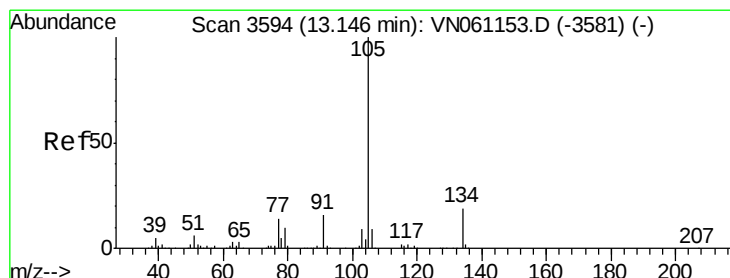
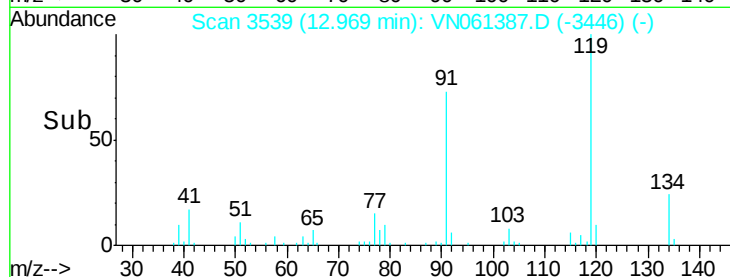
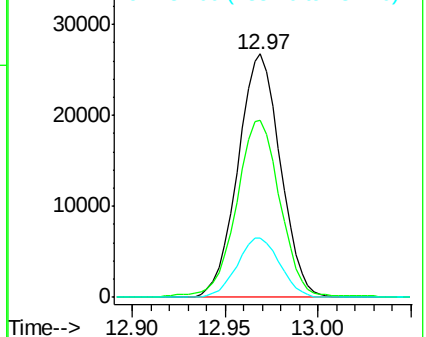
134 24.4 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN061387.D (-3525) (-)

Ion 134.00 (133.70 to 134.70): VN061387.D (-3525) (-)



#85

sec-Butylbenzene

Concen: 27.413 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061387.D

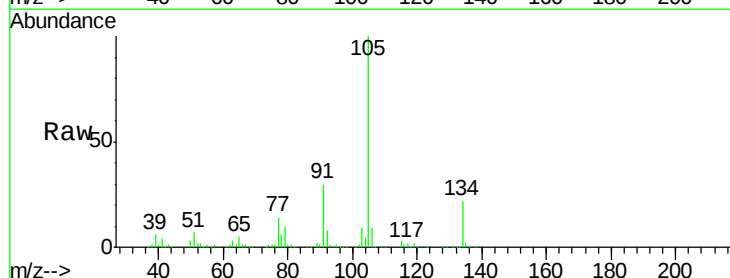
Acq: 11 May 2020 15:22

Tgt Ion:105 Resp: 163338

Ion Ratio Lower Upper

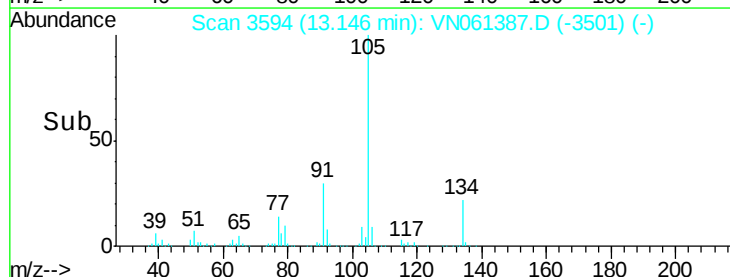
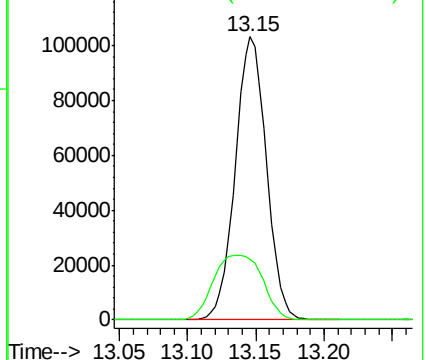
105 100

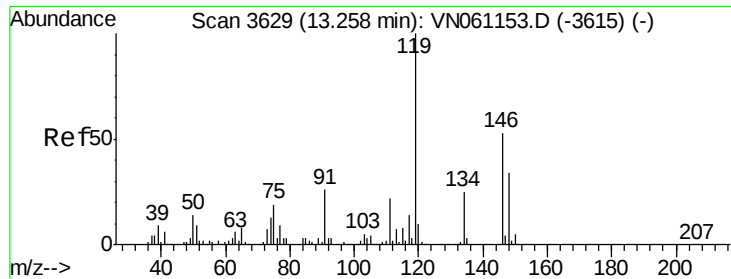
134 36.2 9.6 28.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): VN061387.D (-3581) (-)

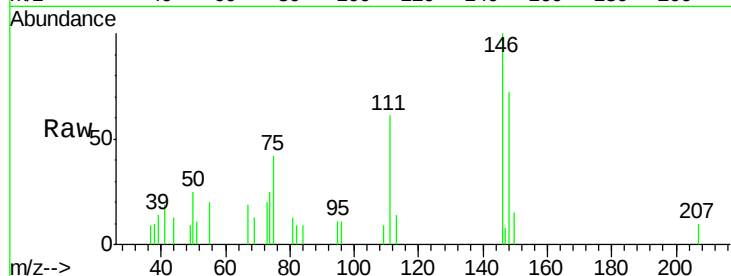




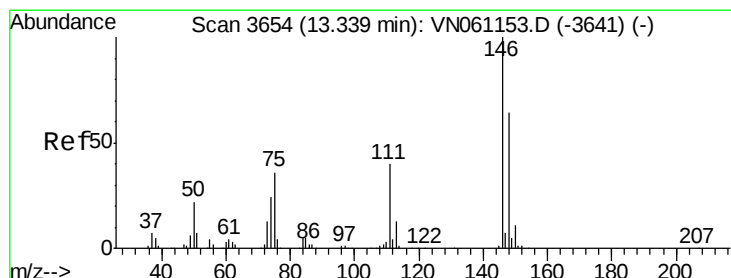
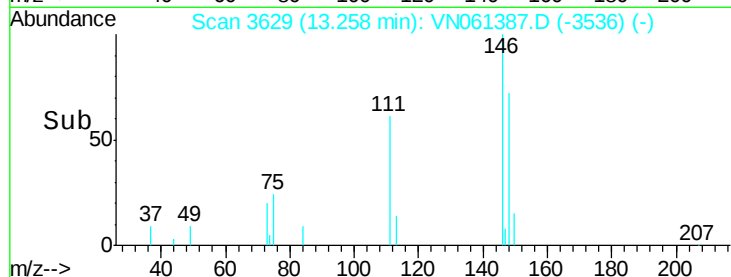
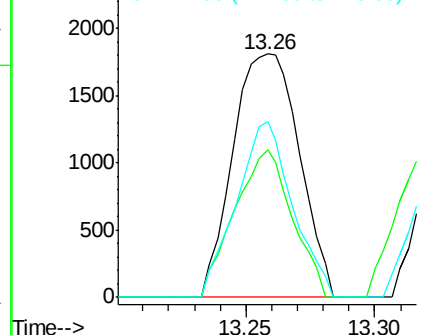
#87
 1,3-Dichlorobenzene
 Concen: 1.219 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061387.D
 Acq: 11 May 2020 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 ST008MW037-200504

Tot Ion:146 Resp: 3244
 Ion Ratio Lower Upper
 146 100
 111 52.7 20.7 62.1
 148 61.1 31.8 95.3

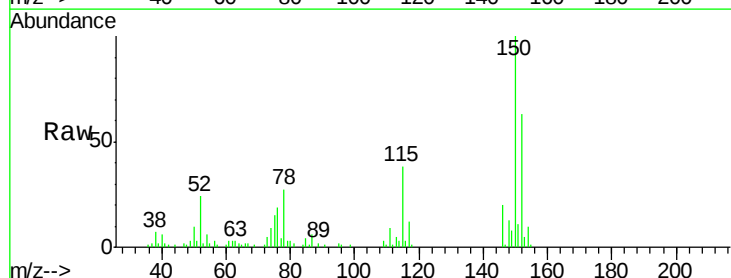


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 2.775 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061387.D
 Acq: 11 May 2020 15:22

Tgt Ion:146 Resp: 7546
 Ion Ratio Lower Upper
 146 100
 111 56.9 20.4 61.3
 148 70.3 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

