

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061345.D
 Acq On : 7 May 2020 19:35
 Operator : JC/MD
 Sample : L2544-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS038MW103-200504

Quant Time: May 08 09:31:32 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	91517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	168920	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	160551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	74515	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	76930	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
35) Dibromofluoromethane	7.55	113	50723	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.06	98	212854	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.38	95	79884	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	

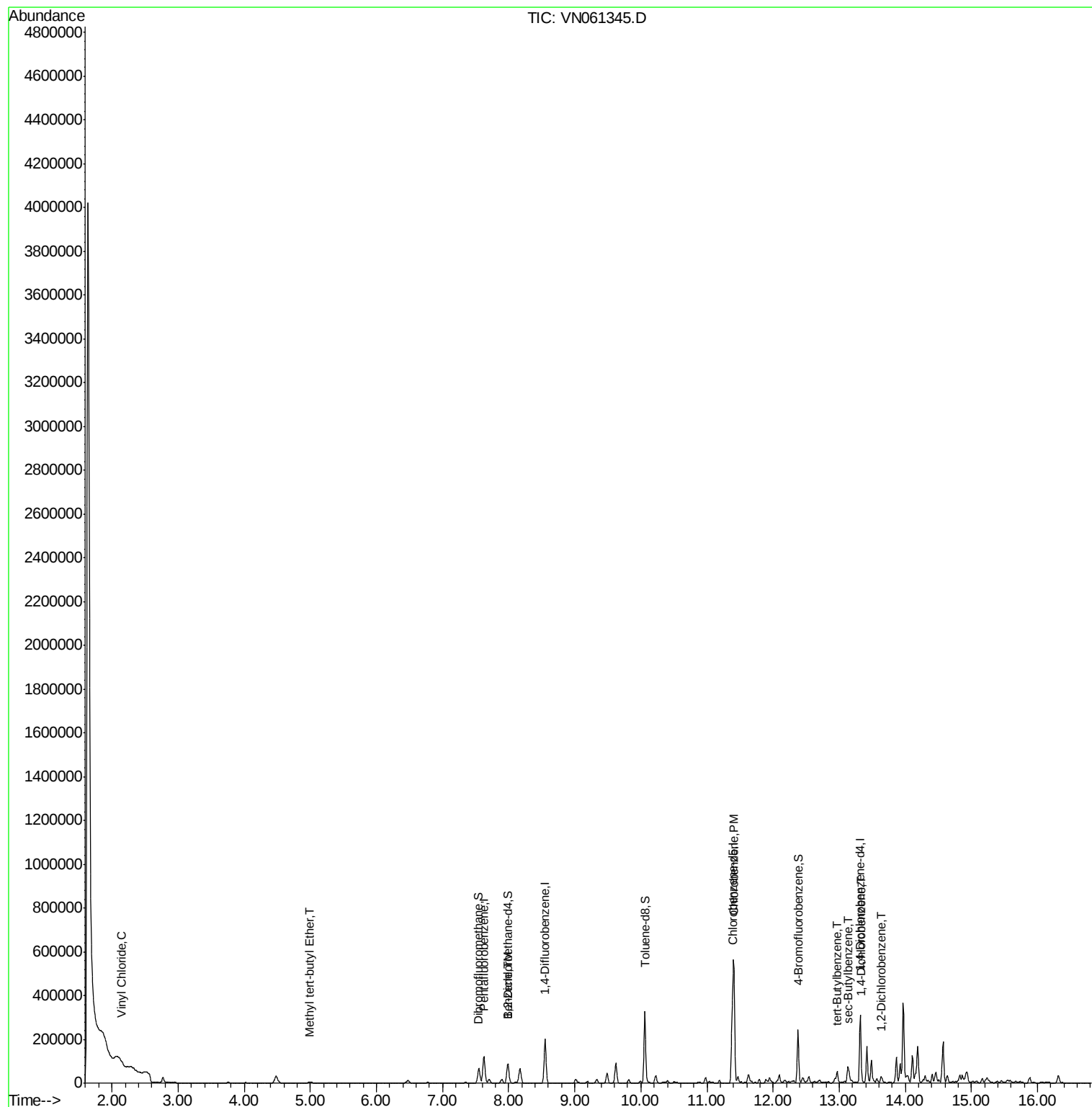
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	1067	0.799	ug/l #	85
19) Methyl tert-butyl Ether	4.99	73	4229	1.146	ug/l #	1
40) Benzene	8.00	78	5590	1.110	ug/l	95
65) Chlorobenzene	11.41	112	270217	84.846	ug/l	99
83) tert-Butylbenzene	12.97	119	23807	6.227	ug/l	96
85) sec-Butylbenzene	13.15	105	28711	5.508	ug/l #	40
88) 1,4-Dichlorobenzene	13.34	146	3630	1.526	ug/l #	68
91) 1,2-Dichlorobenzene	13.63	146	2344	1.050	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

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ClientSampleId :

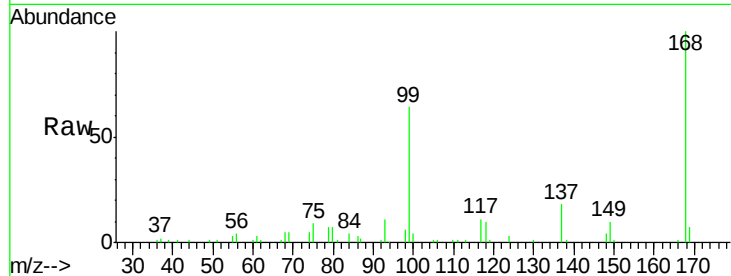
SS038MW103-200504

Tot Ion:168 Resp: 91517

Ion Ratio Lower Upper

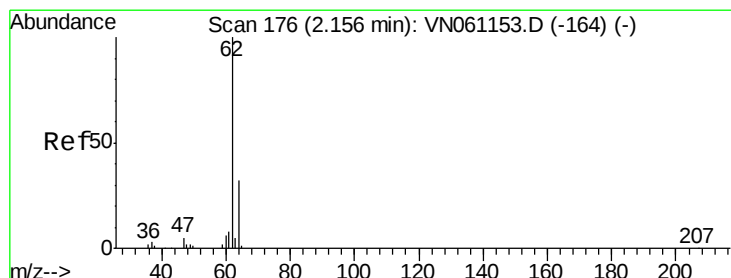
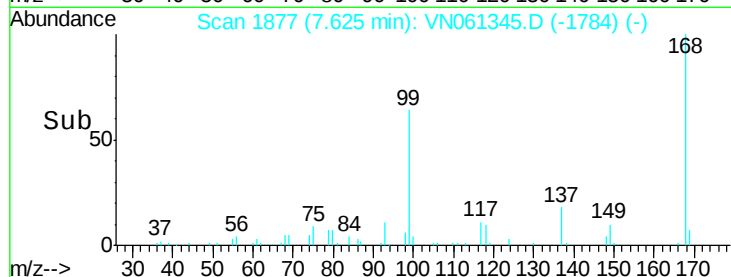
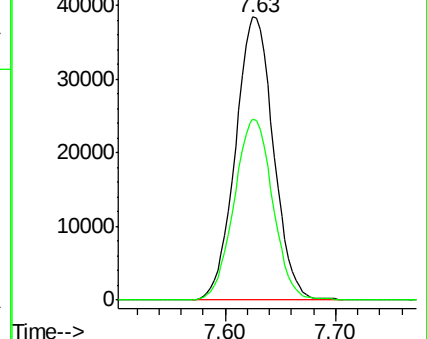
168 100

99 64.2 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#4

Vinyl Chloride

Concen: 0.799 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061345.D

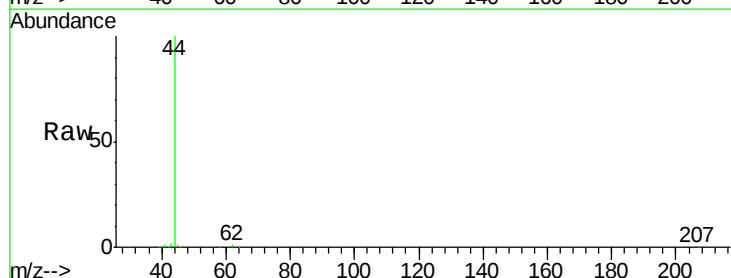
Acq: 7 May 2020 19:35

Tgt Ion: 62 Resp: 1067

Ion Ratio Lower Upper

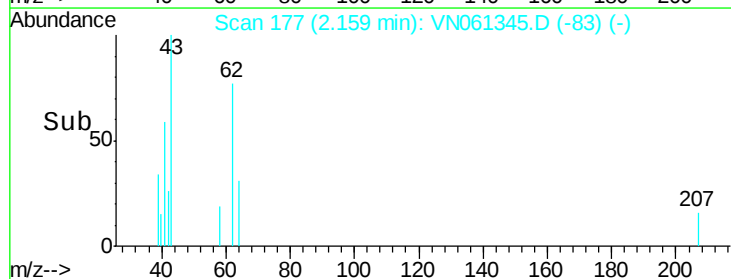
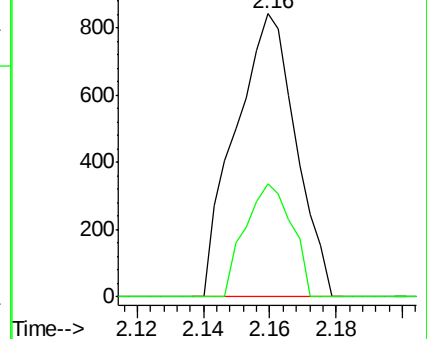
62 100

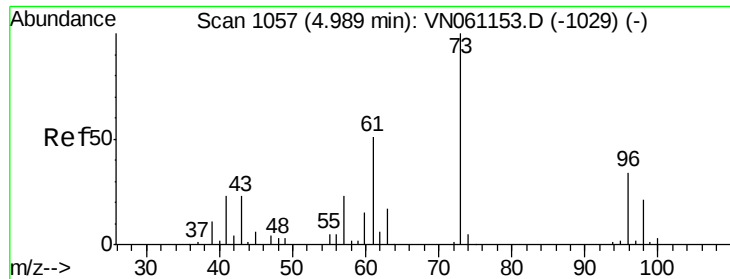
64 39.8 25.2 37.8#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#19

Methvl tert-butvl Ether

Concen: 1.146 ug/l

RT: 4.99 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VN061345.D

Acq: 7 May 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

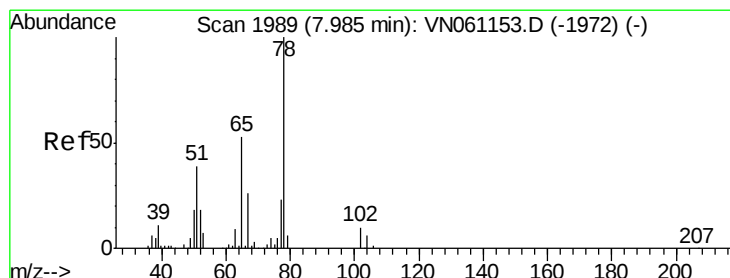
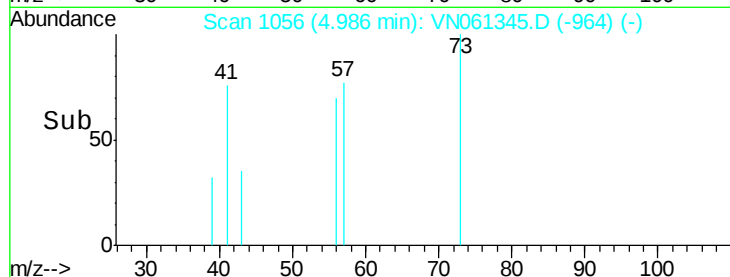
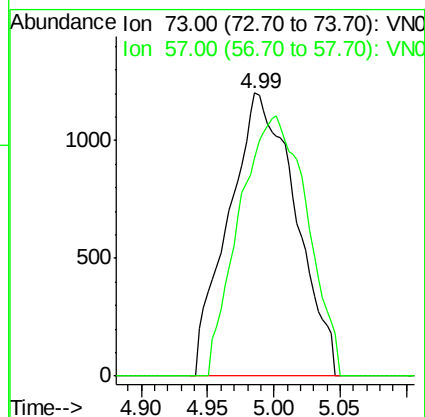
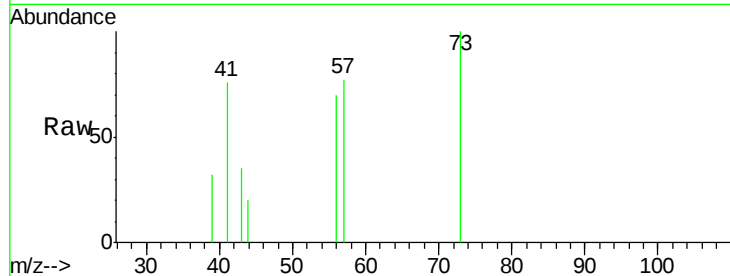
SS038MW103-200504

Tot Ion: 73 Resp: 4229

Ion Ratio Lower Upper

73 100

57 77.0 18.3 27.5#



#33

1,2-Dichloroethane-d4

Concen: 53.125 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061345.D

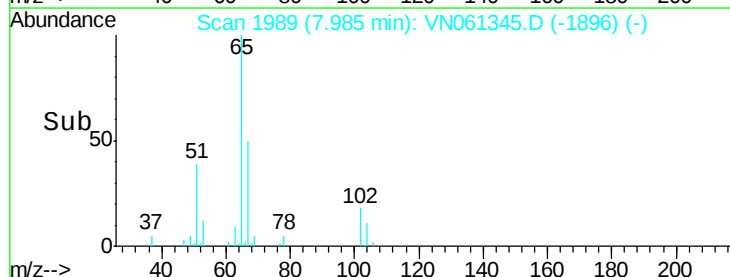
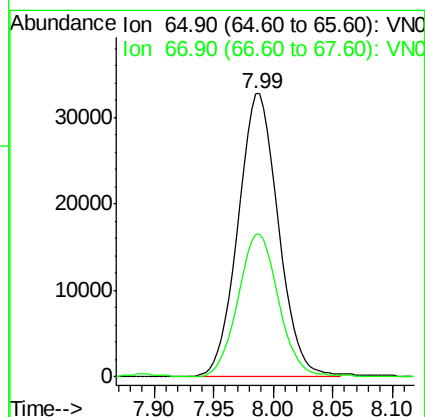
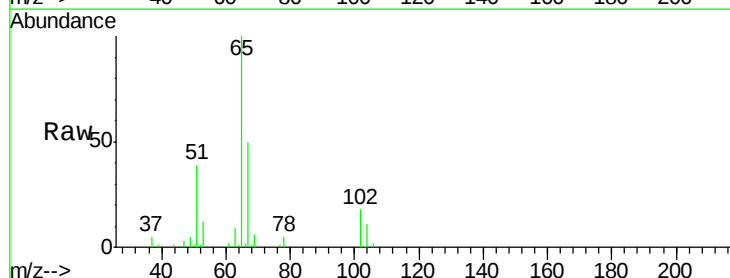
Acq: 7 May 2020 19:35

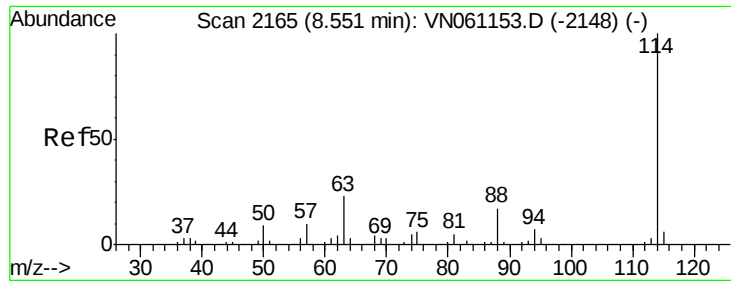
Tgt Ion: 65 Resp: 76930

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061345.D

Acq: 7 May 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

SS038MW103-200504

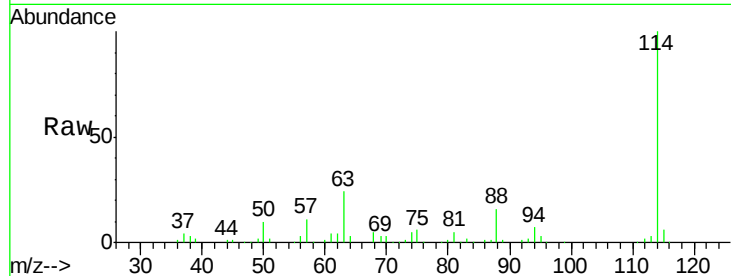
Tot Ion:114 Resp: 168920

Ion Ratio Lower Upper

114 100

63 24.1 0.0 46.6

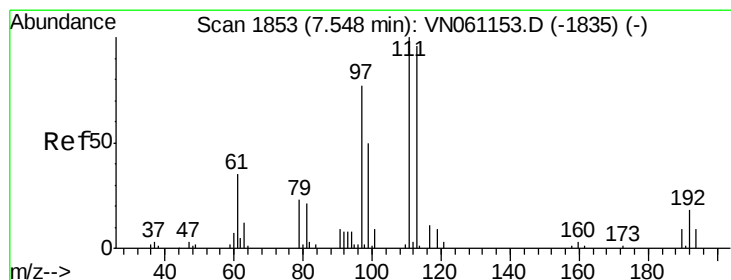
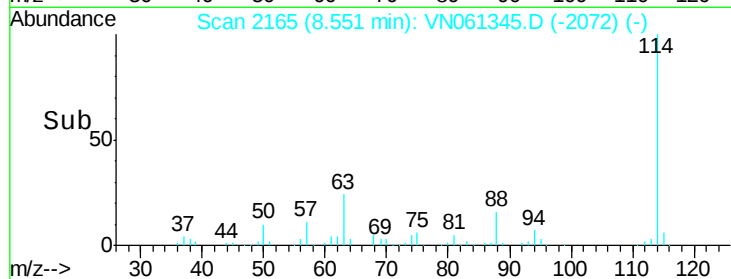
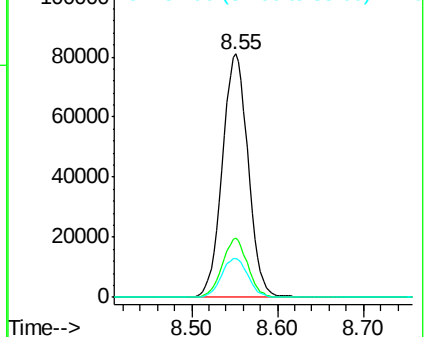
88 16.1 0.0 33.4



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: 50.781 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061345.D

Acq: 7 May 2020 19:35

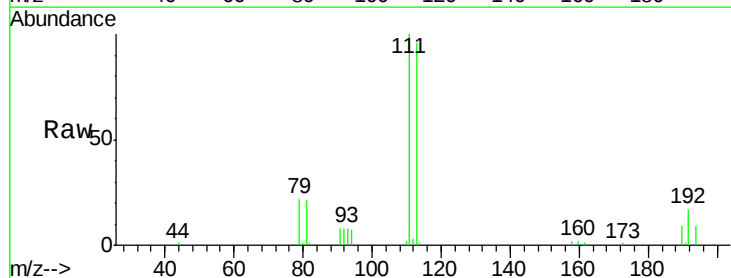
Tgt Ion:113 Resp: 50723

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

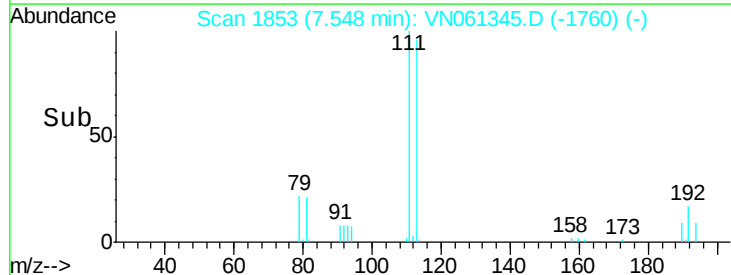
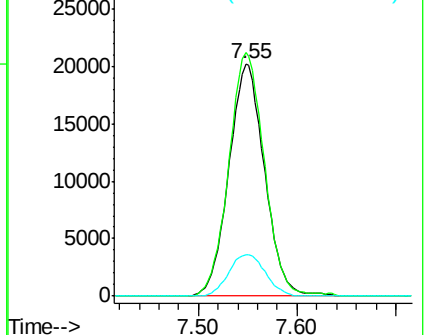
192 18.3 14.7 22.1

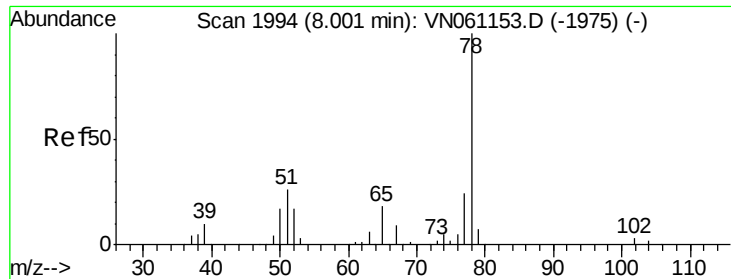


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.110 ug/l

RT: 8.00 min Scan# 1994

Delta R.T. 0.00 min

Lab File: VN061345.D

Acq: 7 May 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

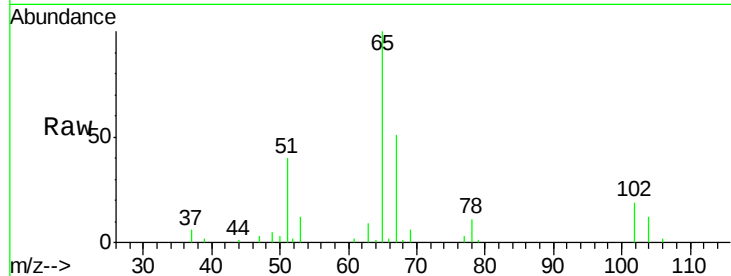
SS038MW103-200504

Tot Ion: 78 Resp: 5590

Ion Ratio Lower Upper

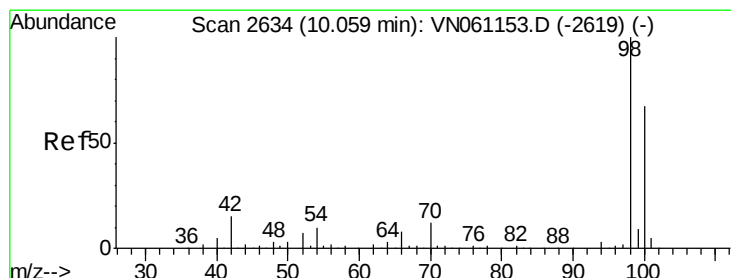
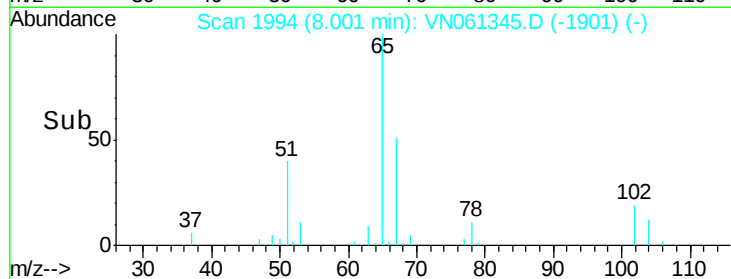
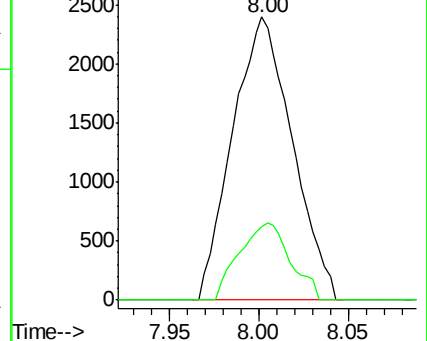
78 100

77 26.0 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 52.274 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061345.D

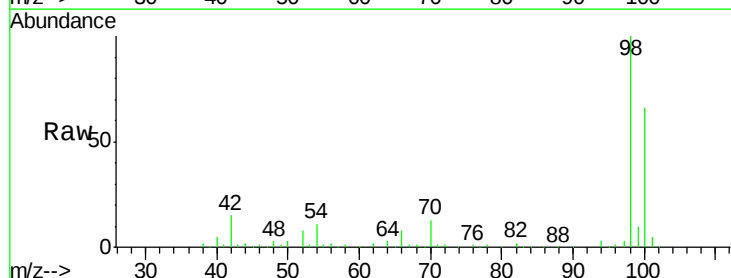
Acq: 7 May 2020 19:35

Tgt Ion: 98 Resp: 212854

Ion Ratio Lower Upper

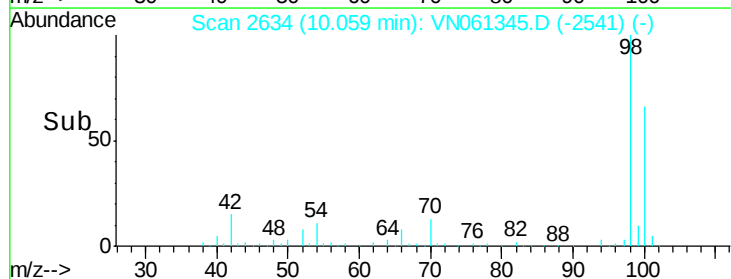
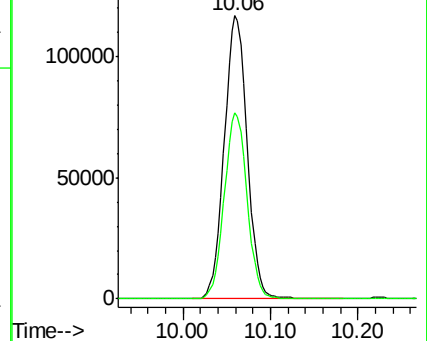
98 100

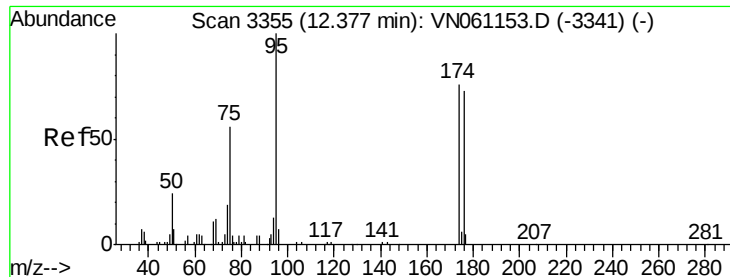
100 65.4 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.133 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061345.D

Acq: 7 May 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

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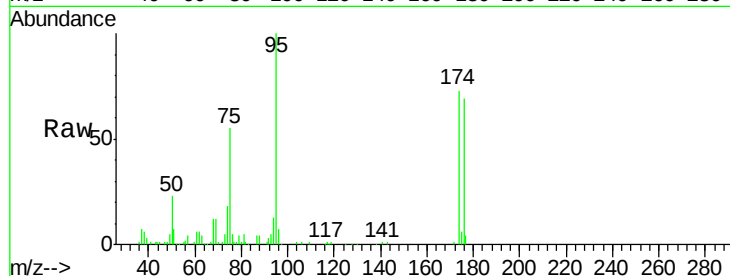
Tot Ion: 95 Resp: 79884

Ion Ratio Lower Upper

95 100

174 72.9 0.0 149.4

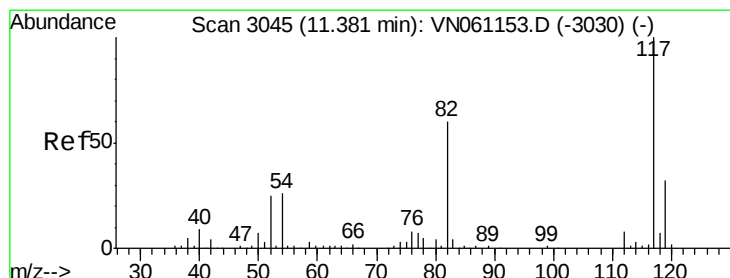
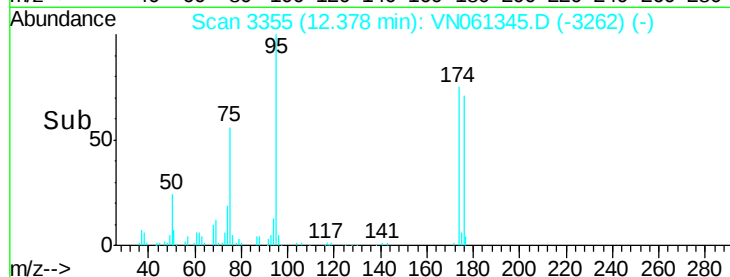
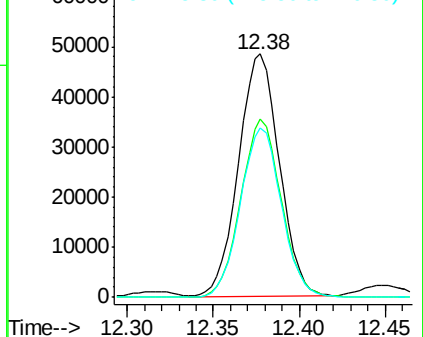
176 70.2 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061345.D

Acq: 7 May 2020 19:35

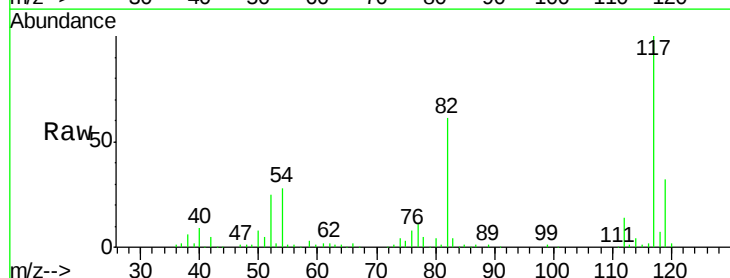
Tgt Ion: 117 Resp: 160551

Ion Ratio Lower Upper

117 100

82 61.3 47.8 71.8

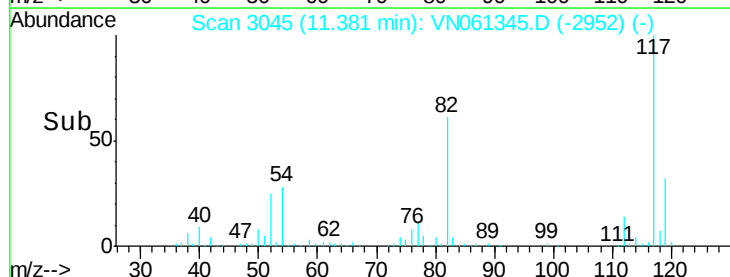
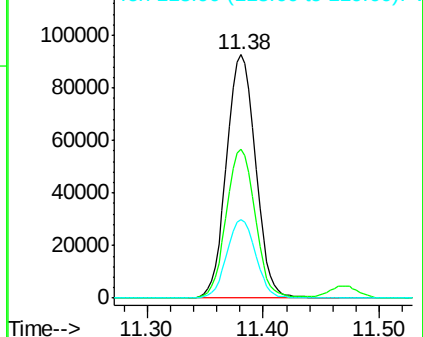
119 32.3 25.8 38.6

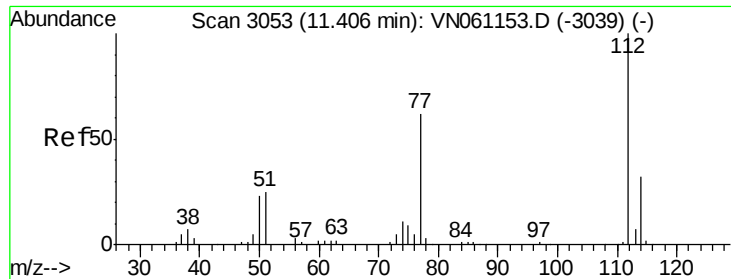


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

Ion 82.00 (81.70 to 82.70): VN061153.D (-3030) (-)

Ion 118.90 (118.60 to 119.60): VN061153.D (-3030) (-)





#65

Chlorobenzene

Concen: 84.846 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN061345.D

Acq: 7 May 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

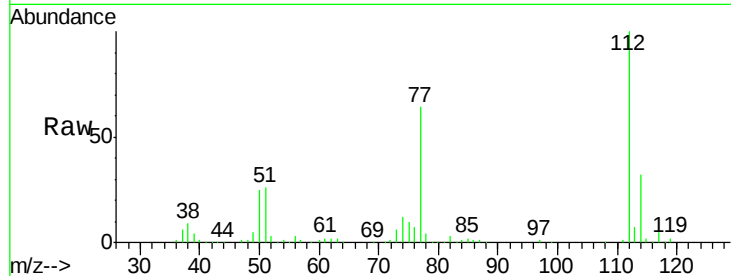
SS038MW103-200504

Tot Ion:112 Resp: 270217

Ion Ratio Lower Upper

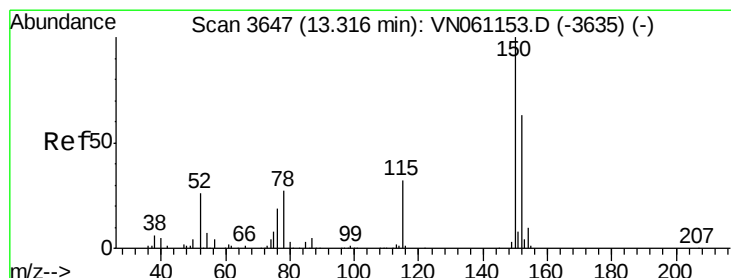
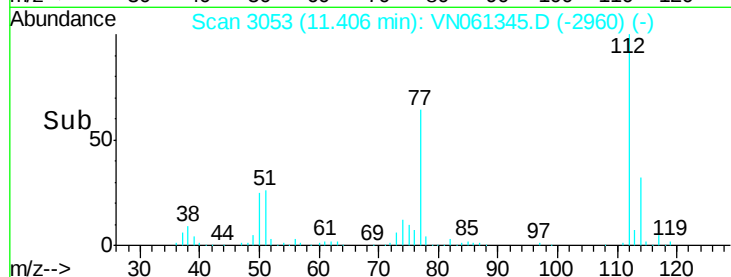
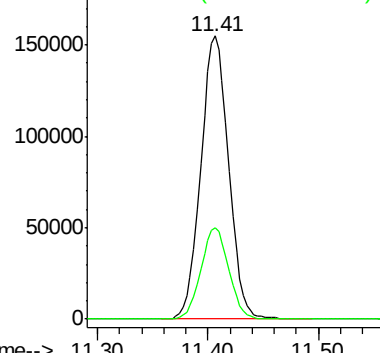
112 100

114 32.4 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# 3648

Delta R.T. 0.00 min

Lab File: VN061345.D

Acq: 7 May 2020 19:35

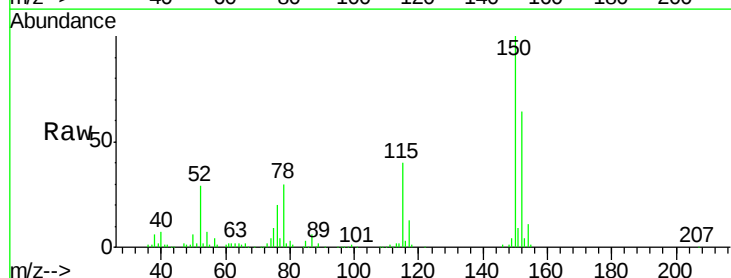
Tgt Ion:152 Resp: 74515

Ion Ratio Lower Upper

152 100

115 62.2 31.0 93.0

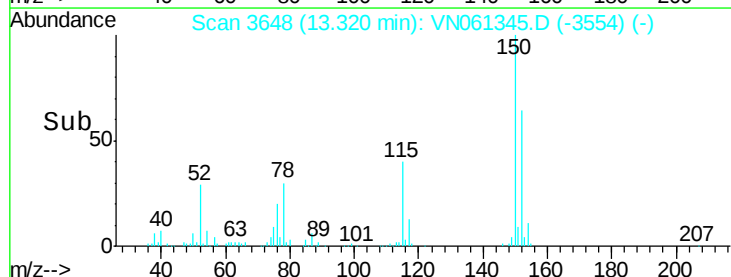
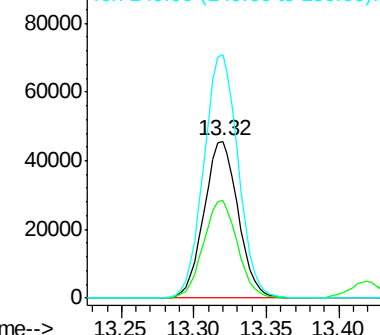
150 156.7 0.0 351.8

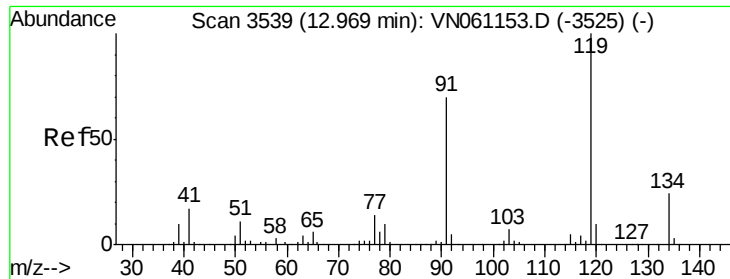


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

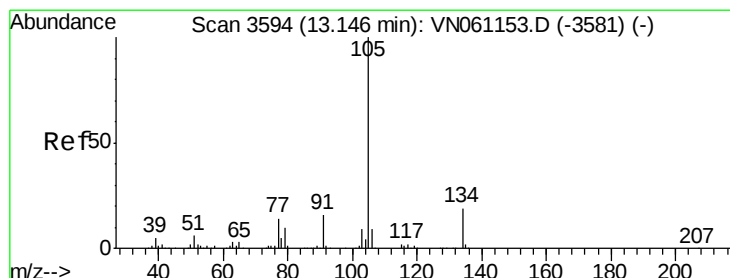
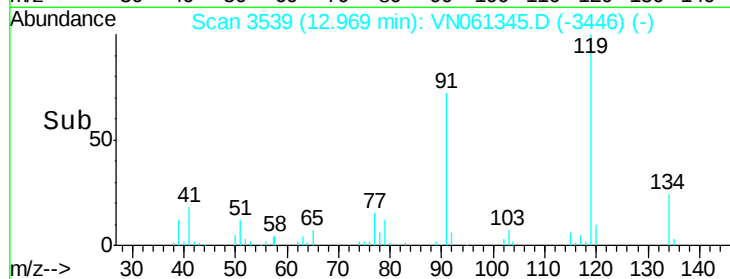
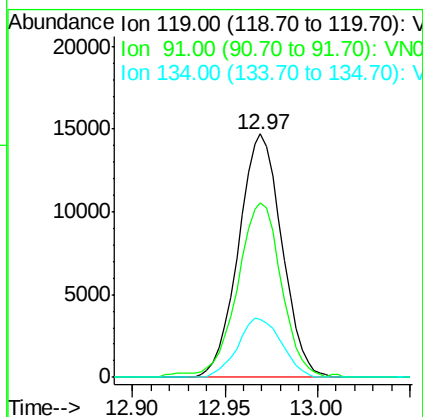
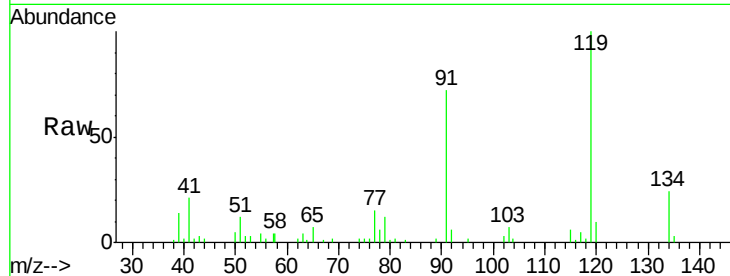




#83
tert-Butylbenzene
Concen: 6.227 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061345.D
Acq: 7 May 2020 19:35

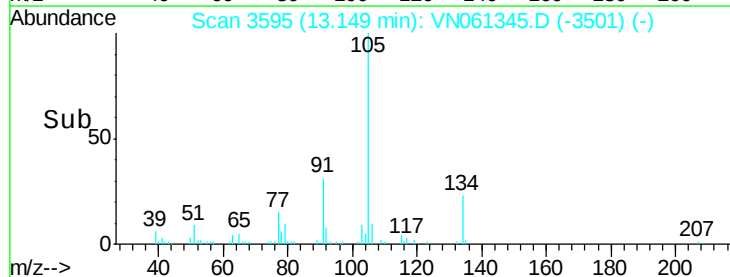
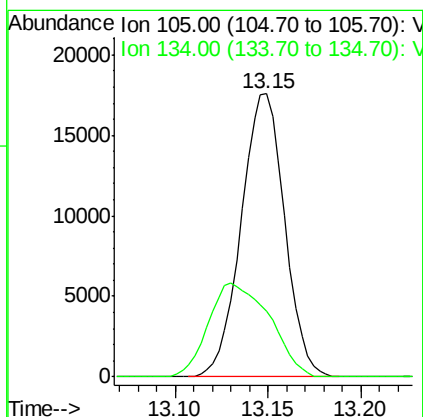
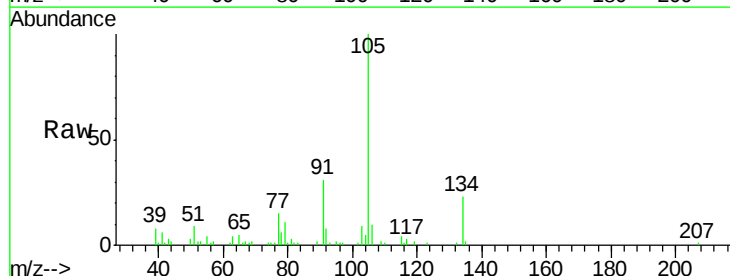
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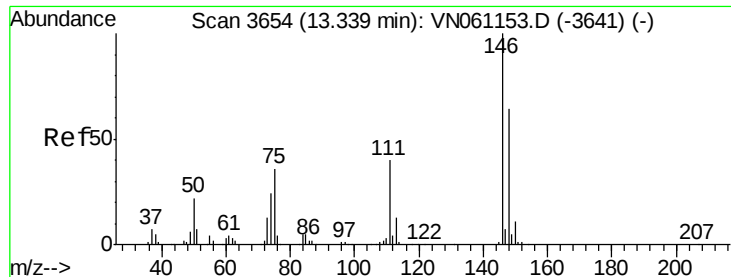
Tot Ion:119 Resp: 23807
Ion Ratio Lower Upper
119 100
91 73.3 34.8 104.4
134 24.5 12.9 38.7



#85
sec-Butylbenzene
Concen: 5.508 ug/l
RT: 13.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VN061345.D
Acq: 7 May 2020 19:35

Tgt Ion:105 Resp: 28711
Ion Ratio Lower Upper
105 100
134 46.4 9.6 28.8#

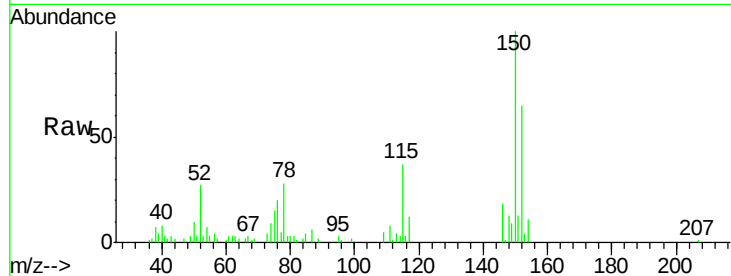




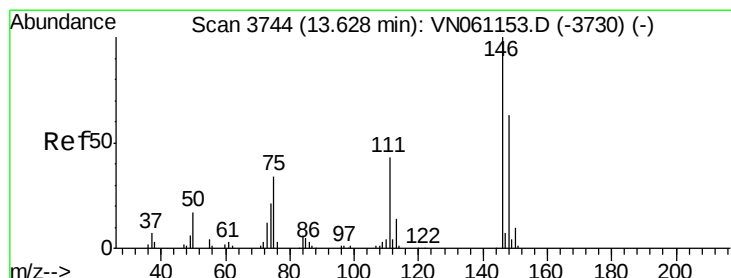
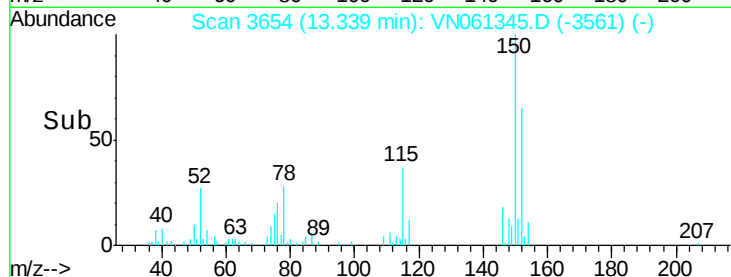
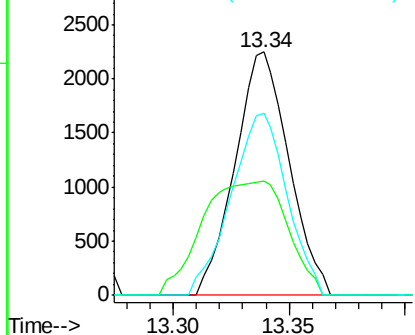
#88
 1,4-Dichlorobenzene
 Concen: 1.526 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061345.D
 Acq: 7 May 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 SS038MW103-200504

Tot Ion:146 Resp: 3630
 Ion Ratio Lower Upper
 146 100
 111 74.6 20.4 61.3#
 148 77.8 31.9 95.7

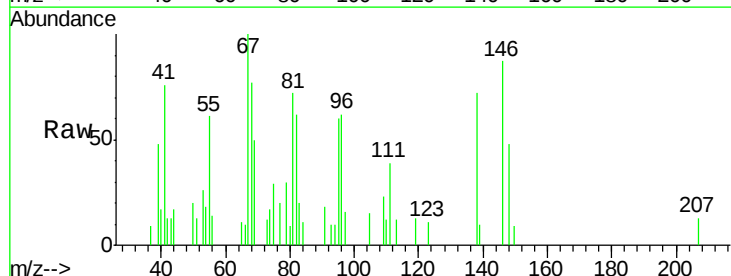


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#91
 1,2-Dichlorobenzene
 Concen: 1.050 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061345.D
 Acq: 7 May 2020 19:35

Tgt Ion:146 Resp: 2344
 Ion Ratio Lower Upper
 146 100
 111 46.2 21.8 65.3
 148 61.1 31.6 95.0



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

