

Data File : VN061214.D
Acq On : 30 Apr 2020 20:11
Operator : JC/MD
Sample : L2453-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-6

Quant Time: May 01 02:22:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	126606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	223875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	214242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	96235	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	96041	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.55	113	64458	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.06	98	276287	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.38	95	106808	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

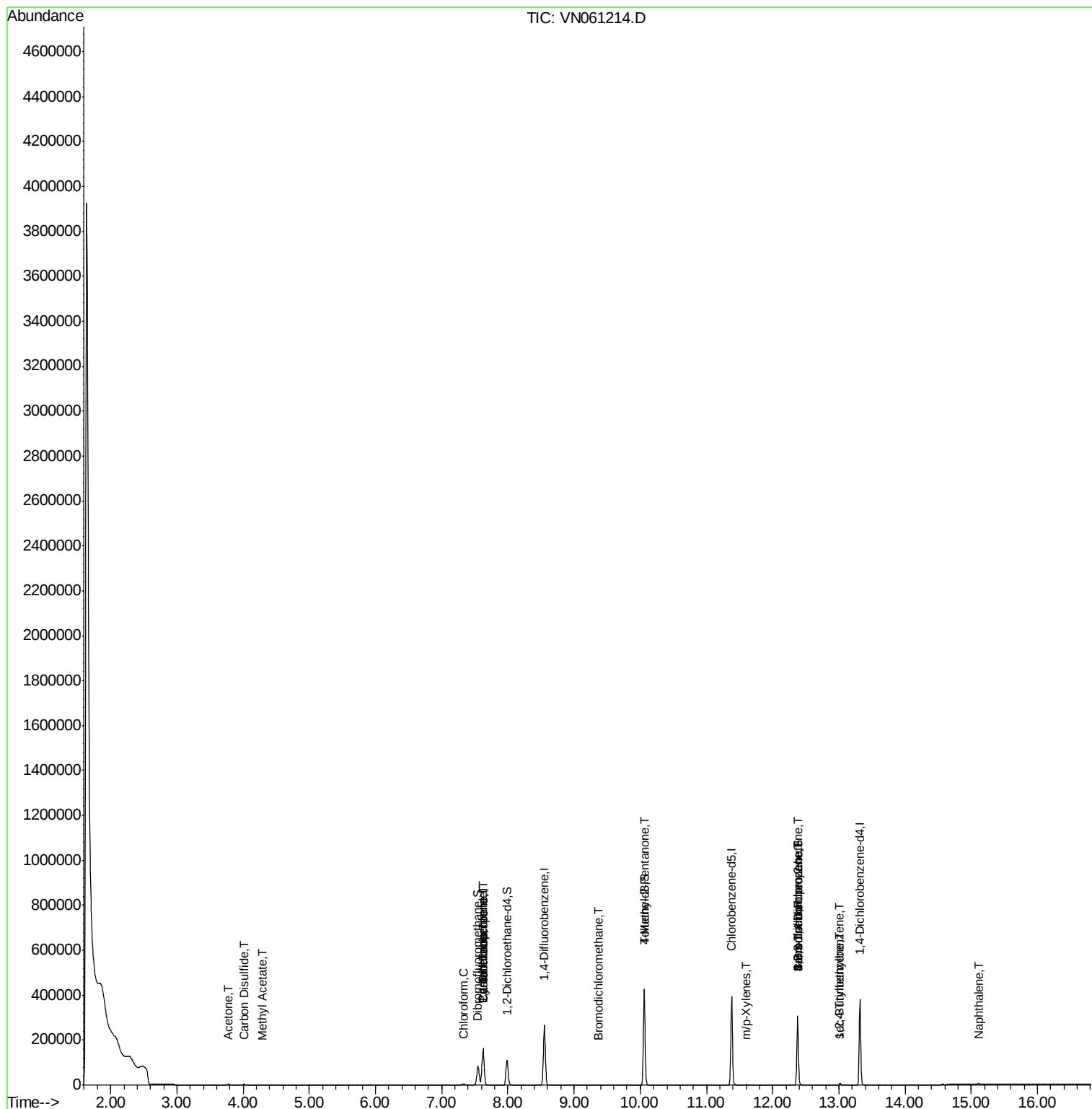
Target Compounds				Qvalue		
16) Acetone	3.78	43	6516	2.951	ug/l	96
17) Carbon Disulfide	4.01	76	1787	0.484	ug/l #	75
18) Methyl Acetate	4.29	43	99	0.718	ug/l #	55
30) Chloroform	7.33	83	6817	2.242	ug/l	94
31) Cyclohexane	7.63	56	3294	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10814	4.825	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13261	8.475	ug/l #	17
47) Bromodichloromethane	9.36	83	528	0.223	ug/l #	95
51) 4-Methyl-2-Pentanone	10.06	43	1475	0.575	ug/l #	1
68) m/p-Xylenes	11.59	106	885	0.304	ug/l	96
71) Bromoform	12.37	173	356	0.318	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	55993	27.598	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55993	70.084	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.01	105	5333	0.884	ug/l	94
85) sec-Butylbenzene	13.01	105	5333	0.792	ug/l #	58
95) Naphthalene	15.10	128	3917	0.685	ug/l #	94

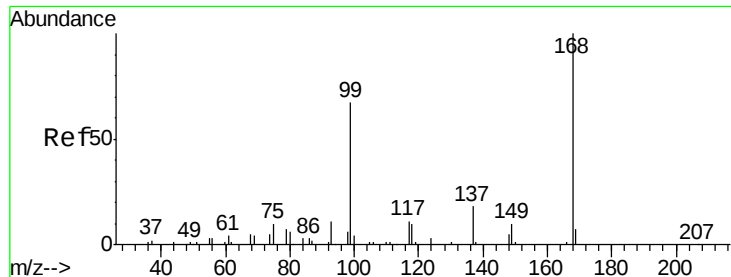
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

Instrument :

MSVOA_N

ClientSampled :

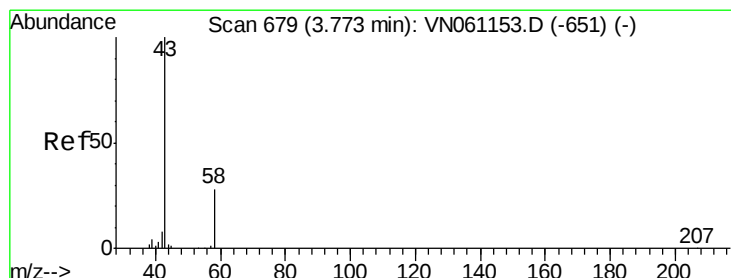
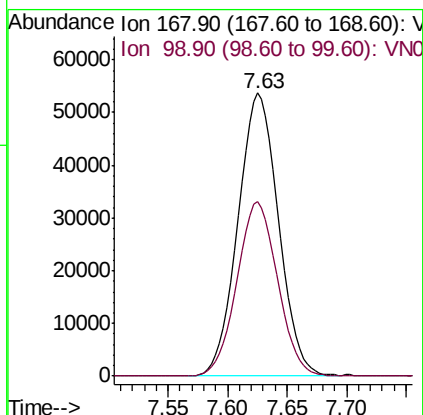
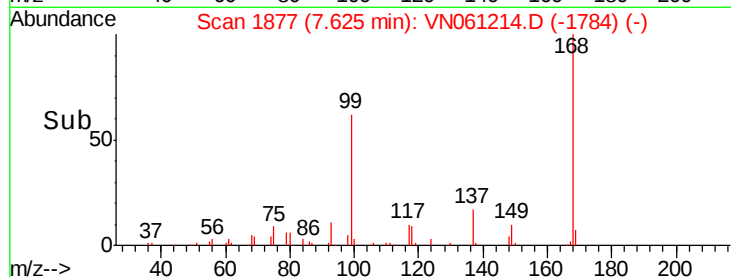
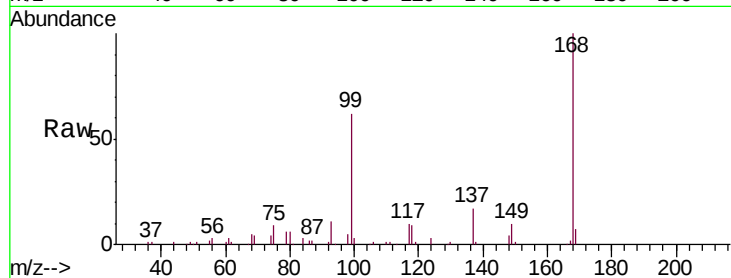
MW-6

Tgt Ion: 168 Resp: 126606

Ion Ratio Lower Upper

168 100

99 61.8 51.2 76.8



#16

Acetone

Concen: 2.951 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061214.D

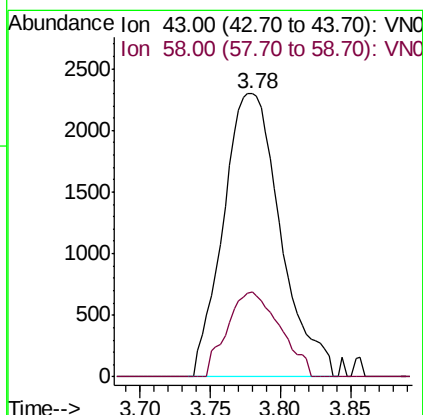
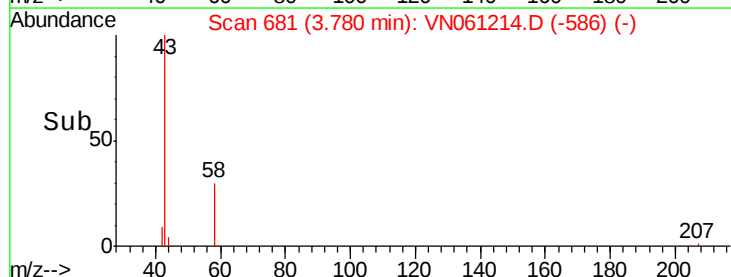
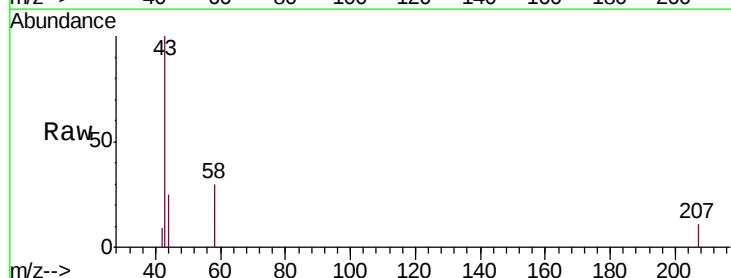
Acq: 30 Apr 2020 20:11

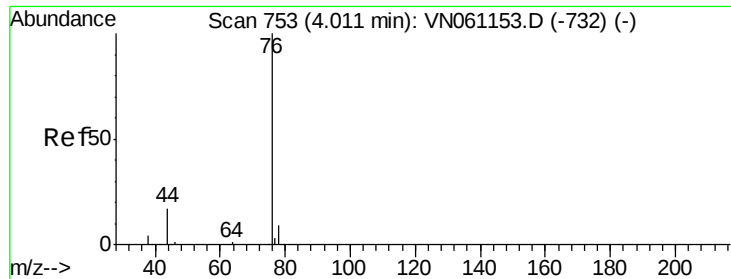
Tgt Ion: 43 Resp: 6516

Ion Ratio Lower Upper

43 100

58 29.8 22.2 33.2





#17

Carbon Disulfide

Concen: 0.484 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

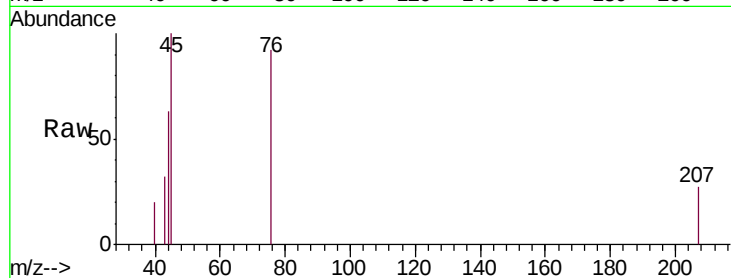
MW-6

Tgt Ion: 76 Resp: 1787

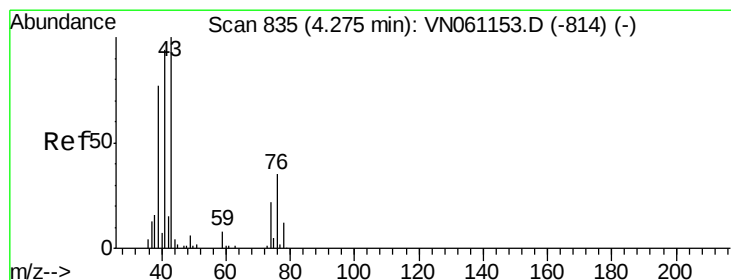
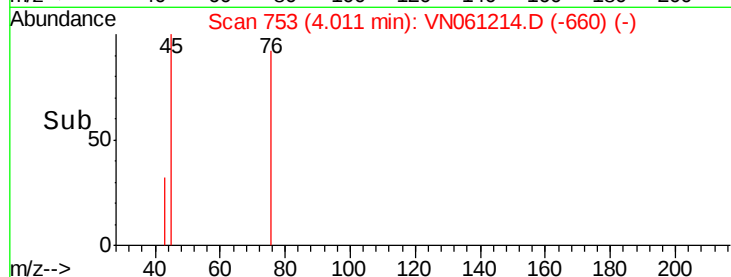
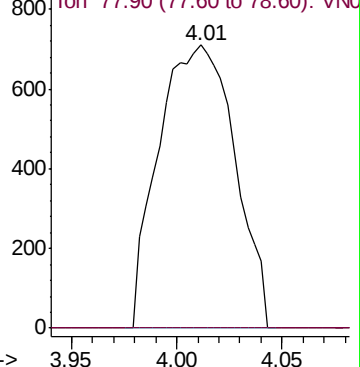
Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN061153.D (-732) (-)



#18

Methyl Acetate

Concen: 0.718 ug/l

RT: 4.29 min Scan# 840

Delta R.T. 0.02 min

Lab File: VN061214.D

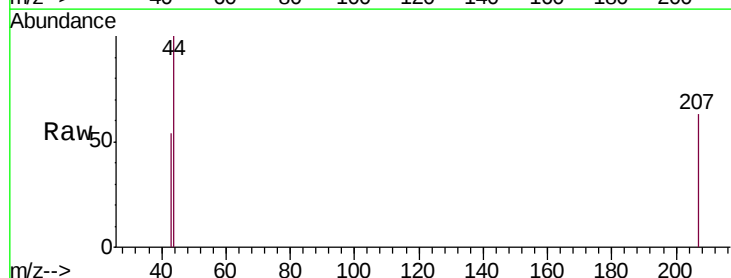
Acq: 30 Apr 2020 20:11

Tgt Ion: 43 Resp: 99

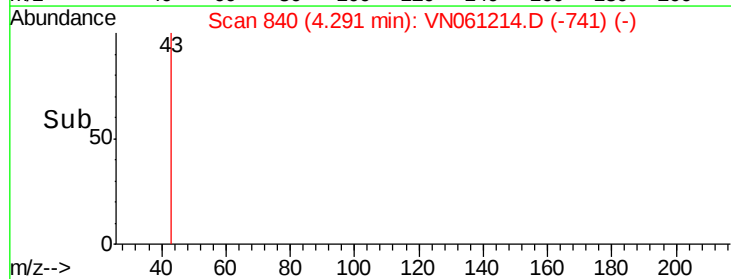
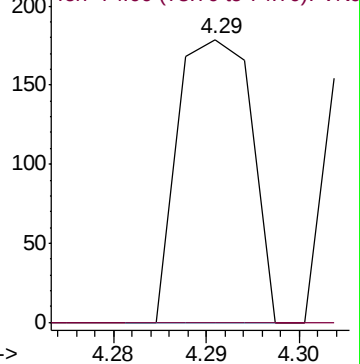
Ion Ratio Lower Upper

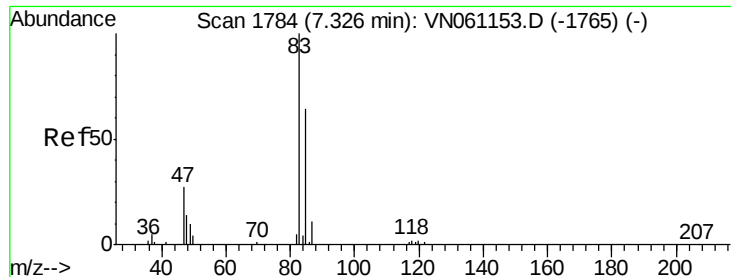
43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-814) (-)

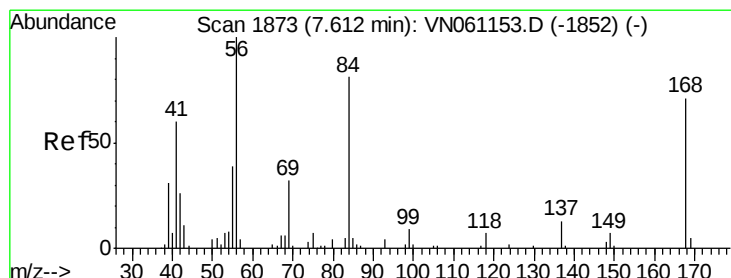
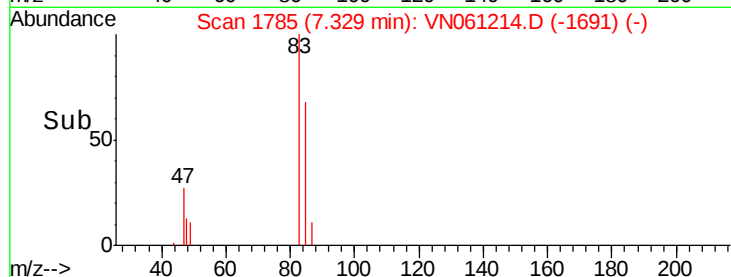
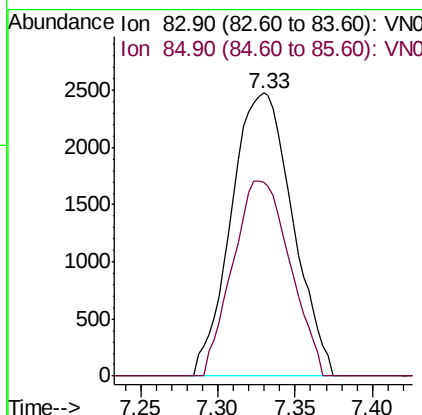
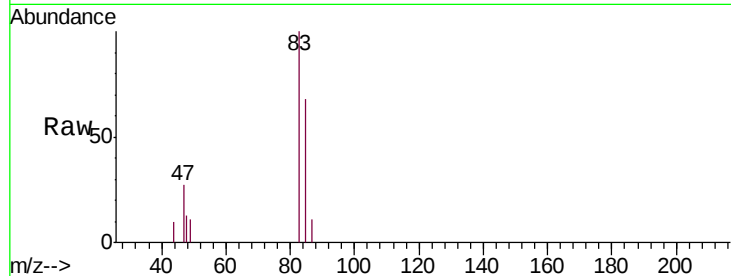




#30
Chloroform
Concen: 2.242 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061214.D
Acq: 30 Apr 2020 20:11

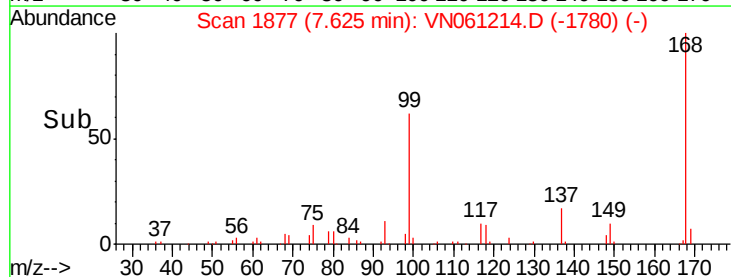
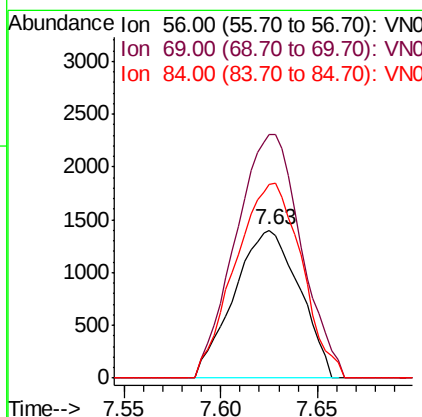
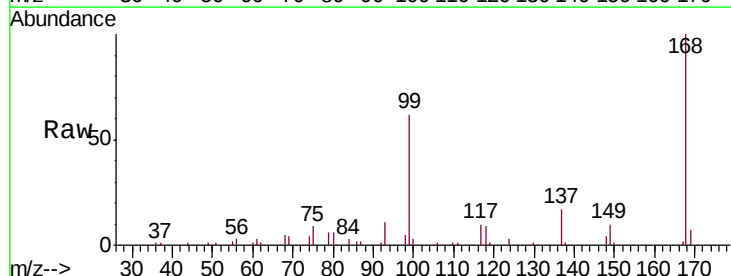
Instrument :
MSVOA_N
ClientSampled :
MW-6

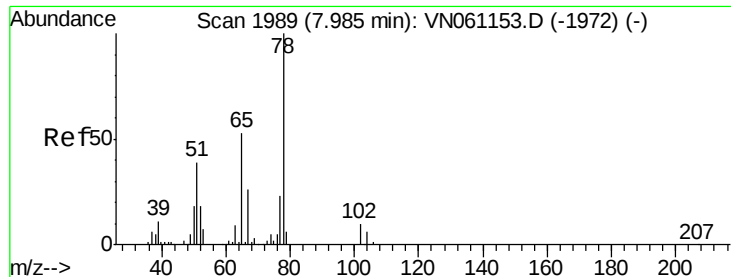
Tgt Ion: 83 Resp: 6817
Ion Ratio Lower Upper
83 100
85 68.3 51.1 76.7



#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VN061214.D
Acq: 30 Apr 2020 20:11

Tgt Ion: 56 Resp: 3294
Ion Ratio Lower Upper
56 100
69 164.6 25.7 38.5#
84 131.3 64.6 97.0#

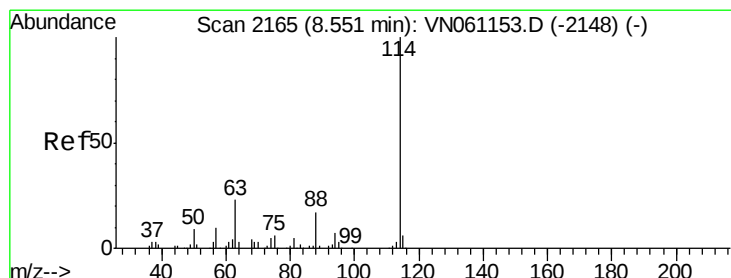
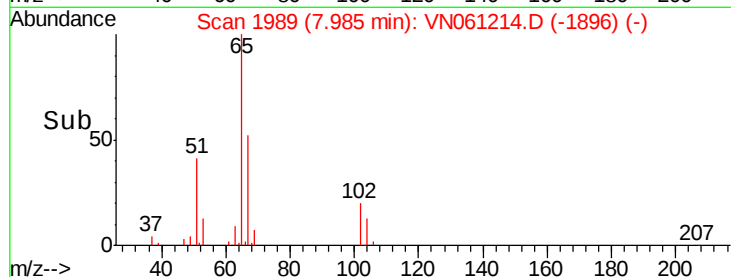
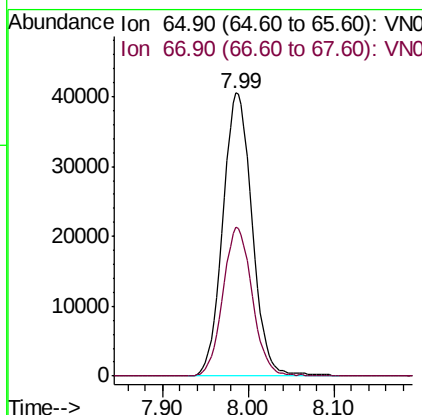
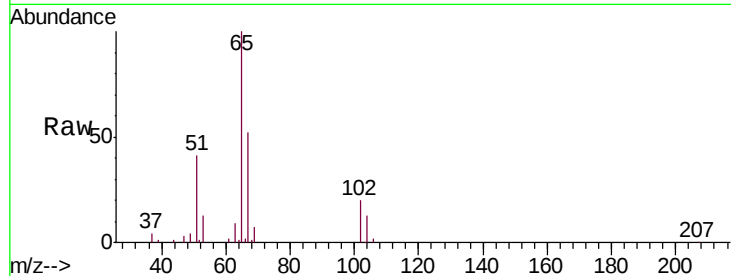




#33
 1,2-Dichloroethane-d4
 Concen: 47.941 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061214.D
 Acq: 30 Apr 2020 20:11

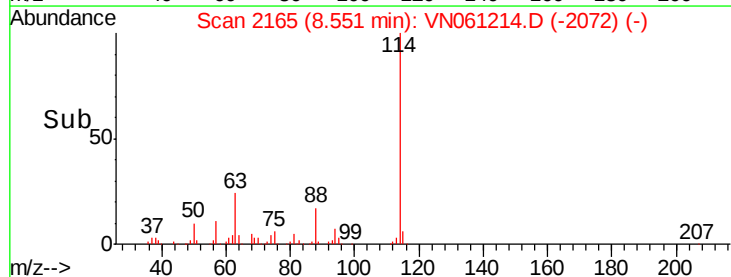
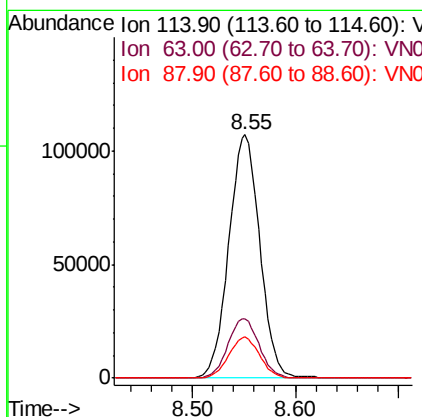
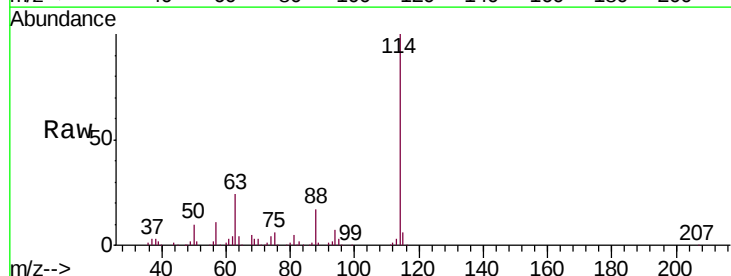
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

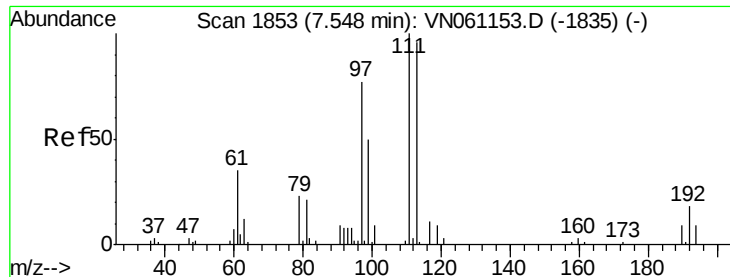
Tgt Ion: 65 Resp: 96041
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061214.D
 Acq: 30 Apr 2020 20:11

Tgt Ion: 114 Resp: 223875
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 46.6
 88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.691 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

MW-6

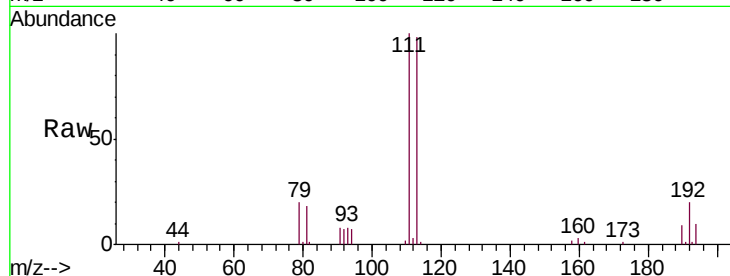
Tgt Ion:113 Resp: 64458

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

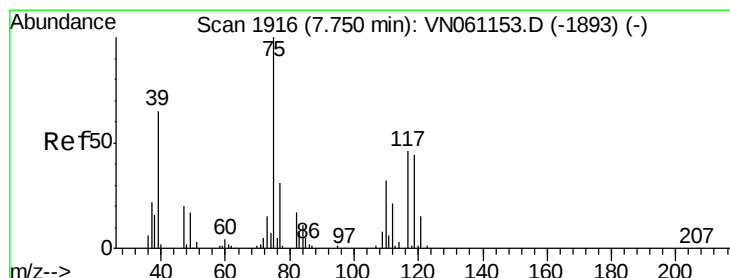
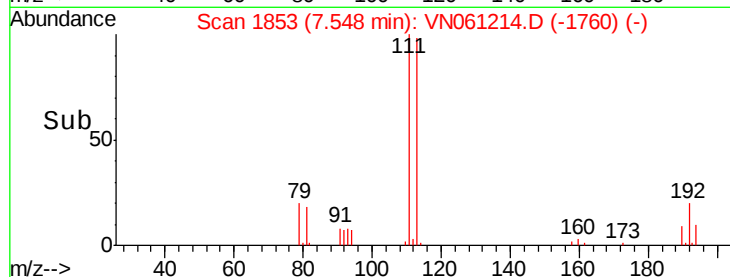
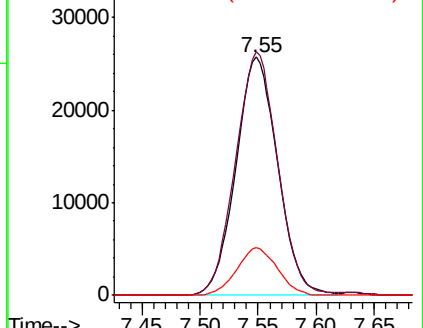
192 19.3 14.7 22.1



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



#36

1,1-Dichloropropene

Concen: 4.825 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.13 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

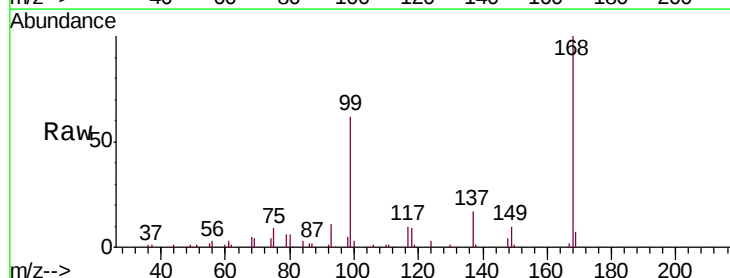
Tgt Ion: 75 Resp: 10814

Ion Ratio Lower Upper

75 100

110 8.2 16.0 48.0#

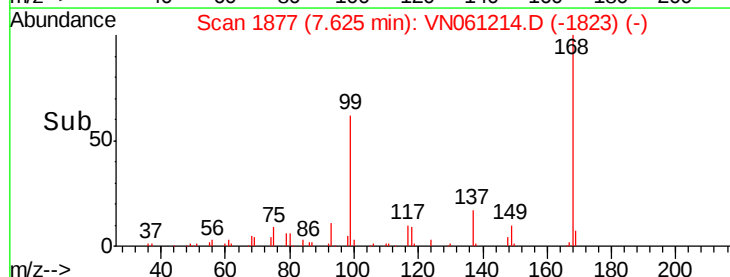
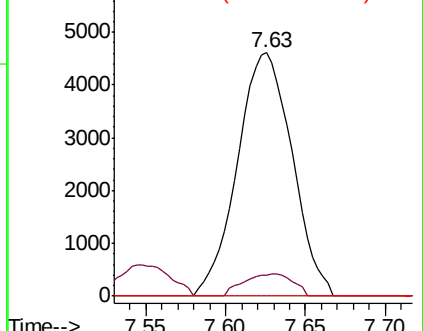
77 0.0 24.6 37.0#

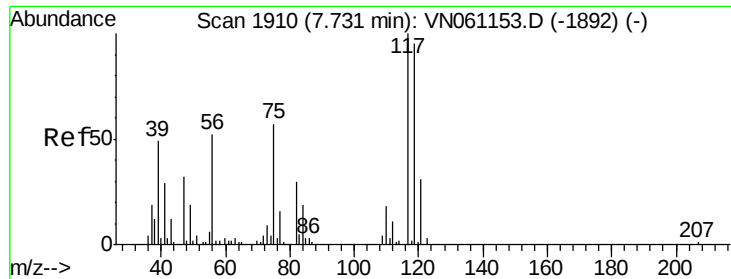


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 8.475 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

Instrument :

MSVOA_N

ClientSampled :

MW-6

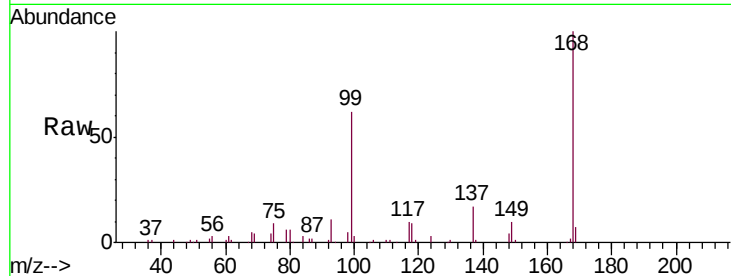
Tgt Ion:117 Resp: 13261

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

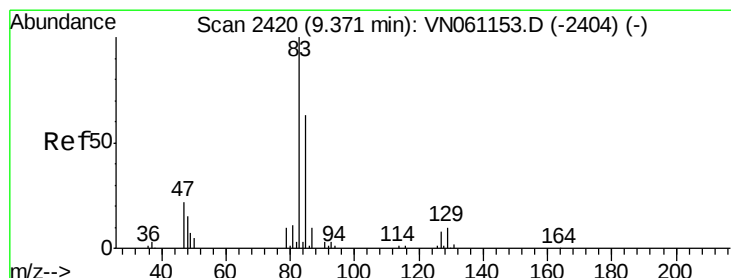
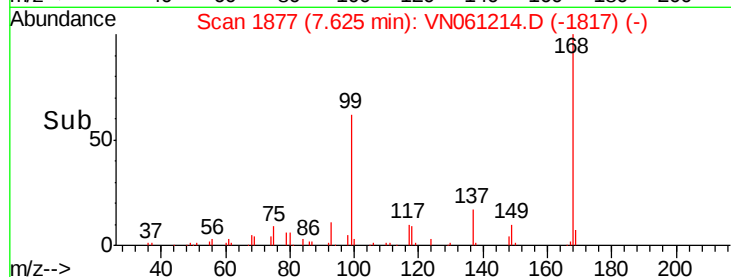
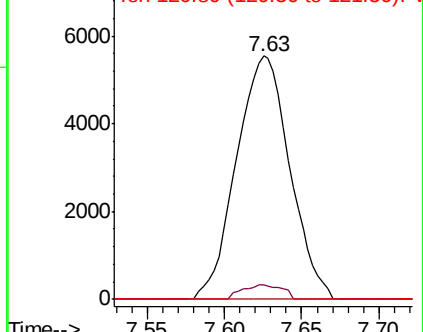
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#47

Bromodichloromethane

Concen: 0.223 ug/l

RT: 9.36 min Scan# 2418

Delta R.T. -0.01 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

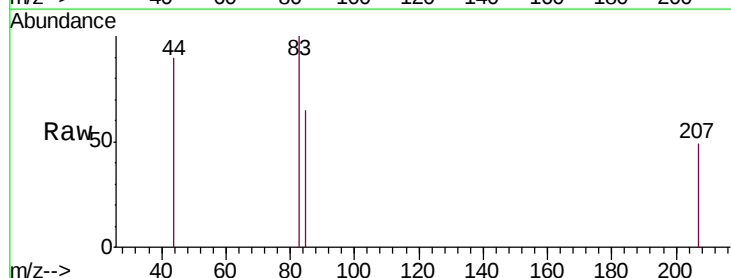
Tgt Ion: 83 Resp: 528

Ion Ratio Lower Upper

83 100

85 65.1 50.4 75.6

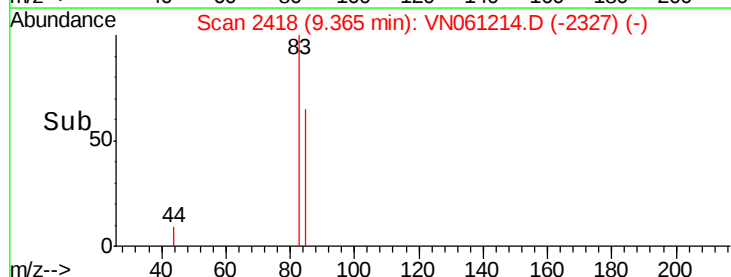
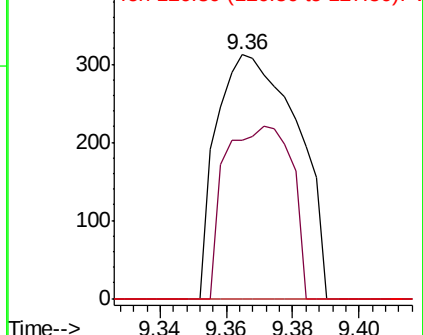
127 0.0 6.2 9.2#

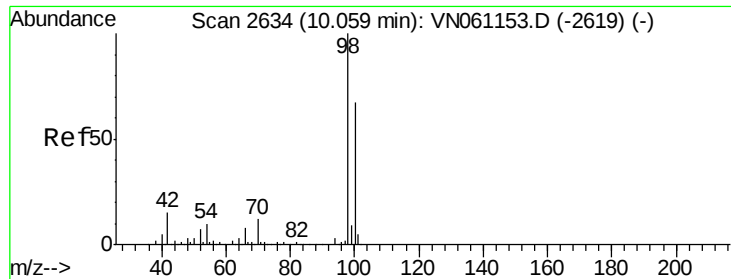


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 51.196 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

Instrument :

MSVOA_N

ClientSampled :

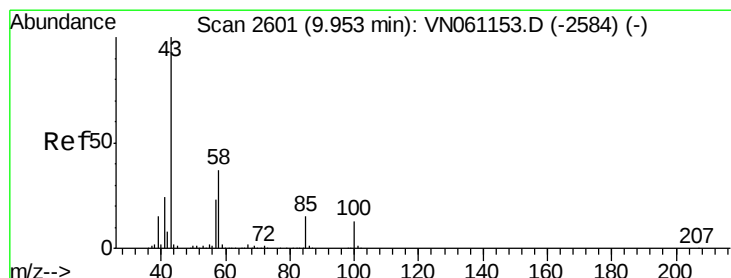
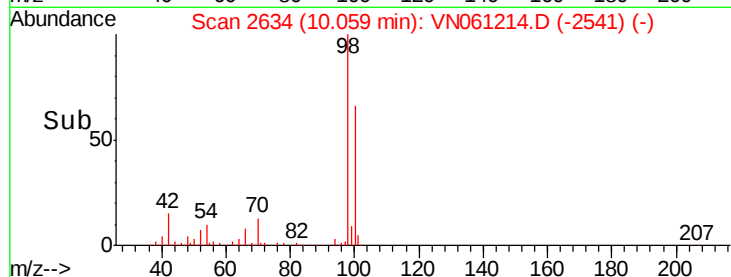
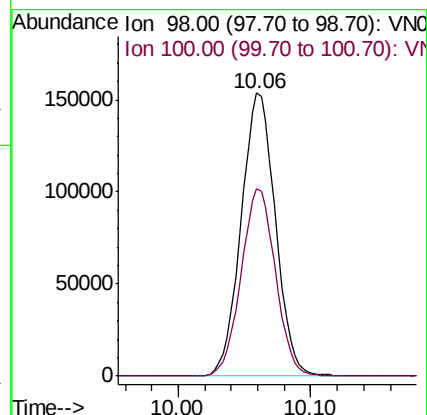
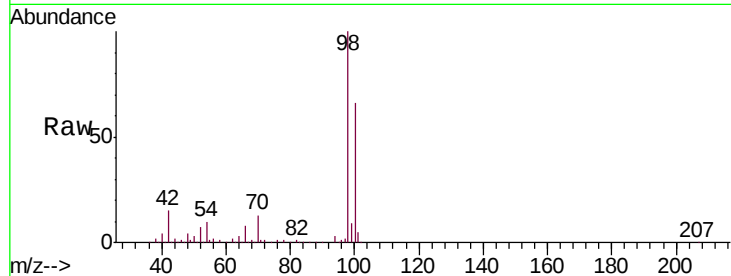
MW-6

Tgt Ion: 98 Resp: 276287

Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 0.575 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061214.D

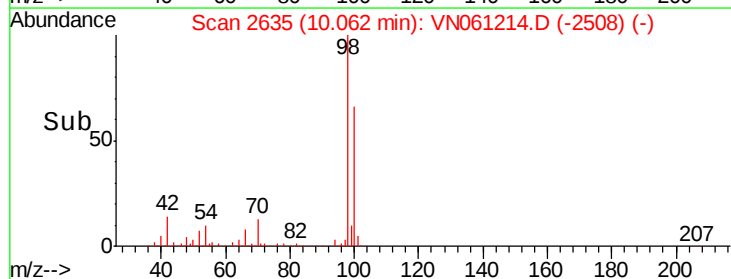
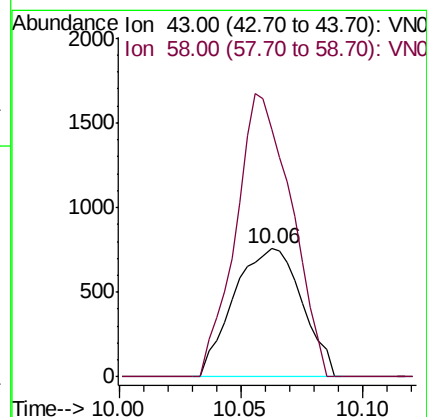
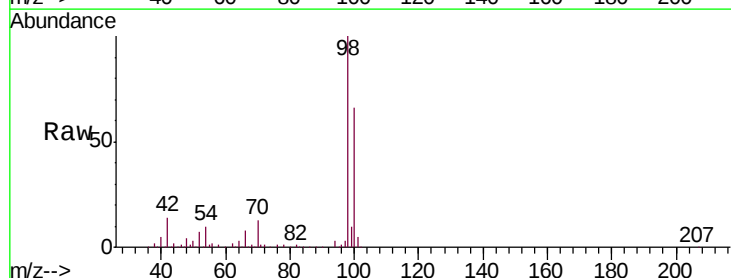
Acq: 30 Apr 2020 20:11

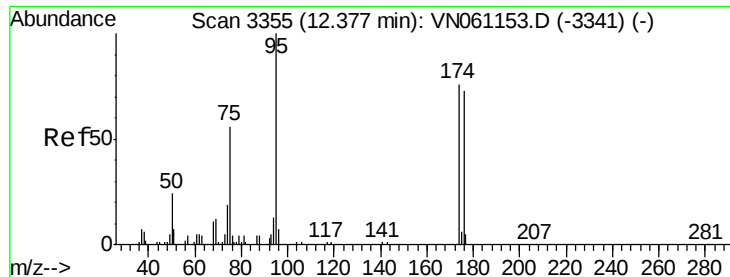
Tgt Ion: 43 Resp: 1475

Ion Ratio Lower Upper

43 100

58 179.2 29.1 43.7#

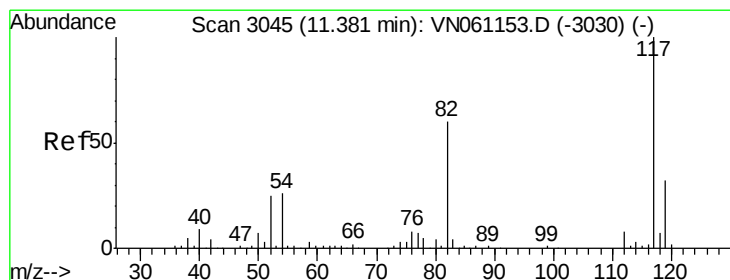
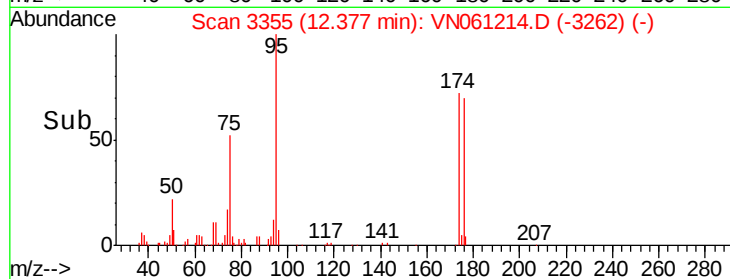
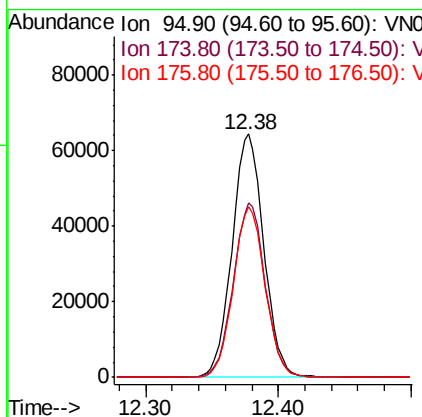
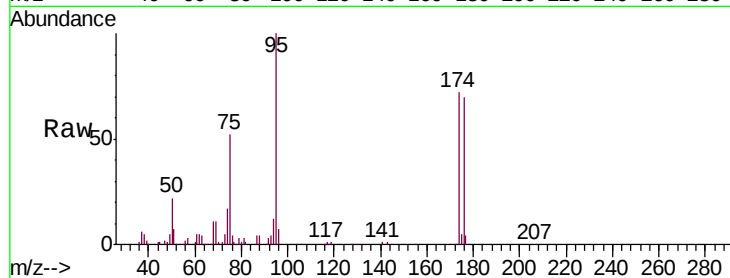




#62
 4-Bromofluorobenzene
 Concen: 52.593 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061214.D
 Acq: 30 Apr 2020 20:11

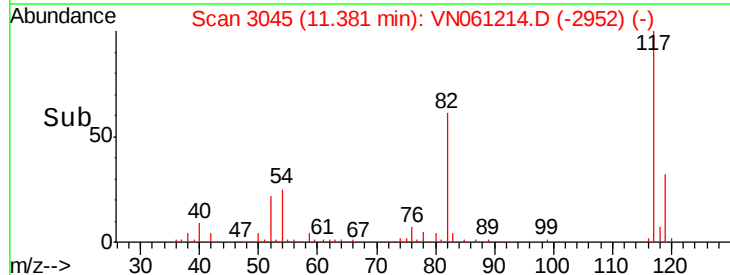
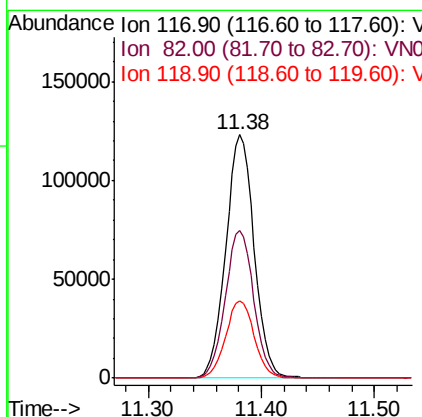
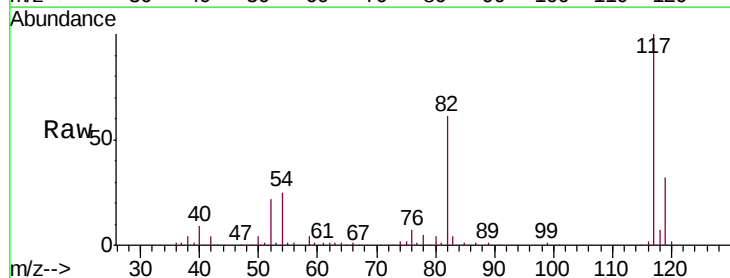
Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

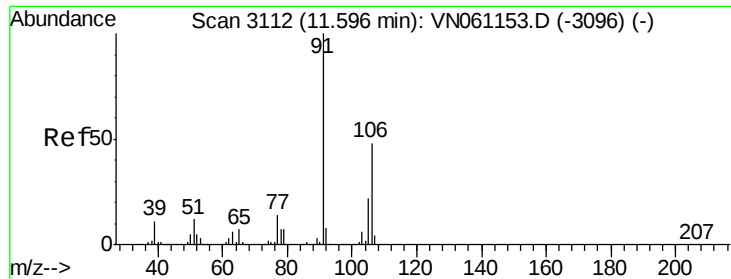
Tgt Ion: 95 Resp: 106808
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 149.4
 176 70.3 0.0 144.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 3045
 Delta R.T. 0.00 min
 Lab File: VN061214.D
 Acq: 30 Apr 2020 20:11

Tgt Ion: 117 Resp: 214242
 Ion Ratio Lower Upper
 117 100
 82 60.7 47.8 71.8
 119 31.8 25.8 38.6

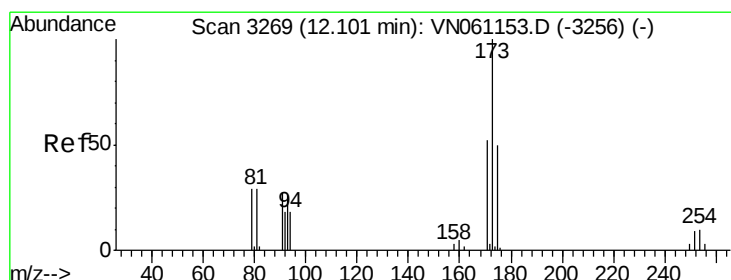
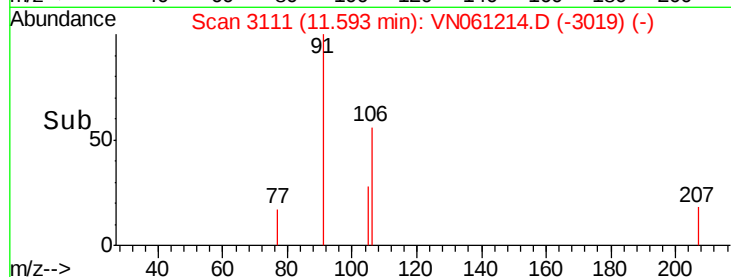
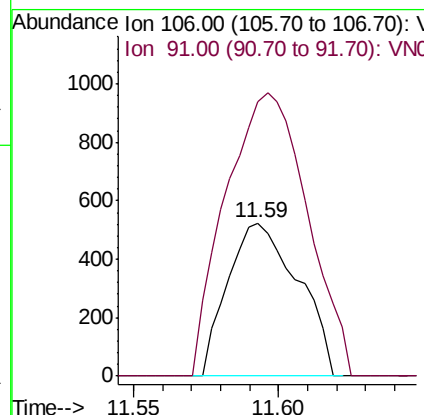
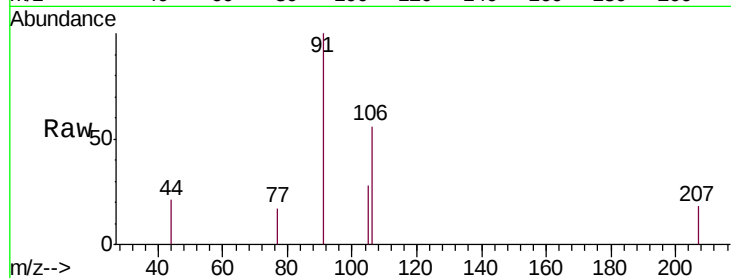




#68
m/p-Xylenes
Concen: 0.304 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061214.D
Acq: 30 Apr 2020 20:11

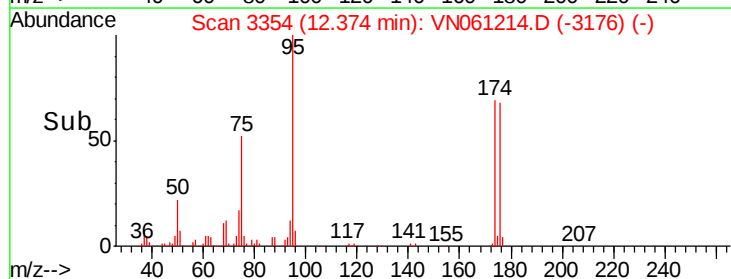
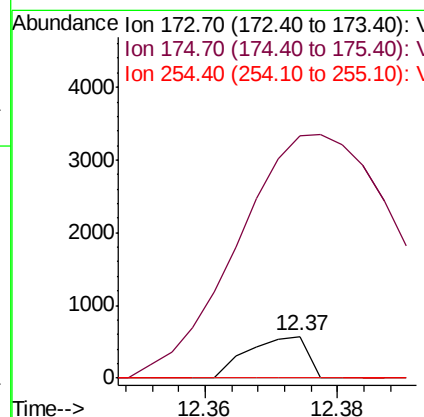
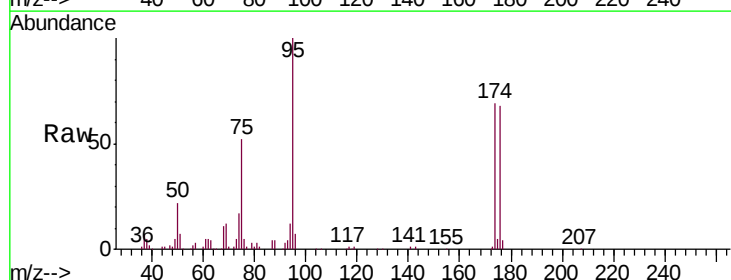
Instrument :
MSVOA_N
ClientSampled :
MW-6

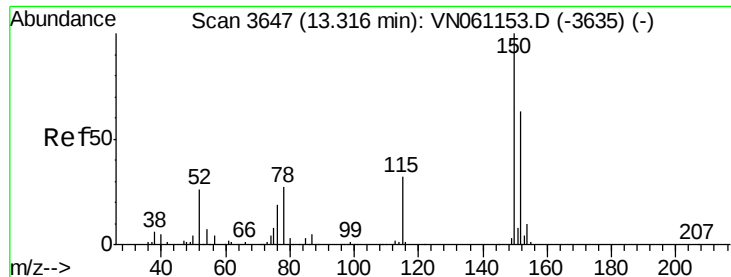
Tgt Ion:106 Resp: 885
Ion Ratio Lower Upper
106 100
91 214.1 166.4 249.6



#71
Bromoform
Concen: 0.318 ug/l
RT: 12.37 min Scan# 3354
Delta R.T. 0.27 min
Lab File: VN061214.D
Acq: 30 Apr 2020 20:11

Tgt Ion:173 Resp: 356
Ion Ratio Lower Upper
173 100
175 1353.1 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

MW-6

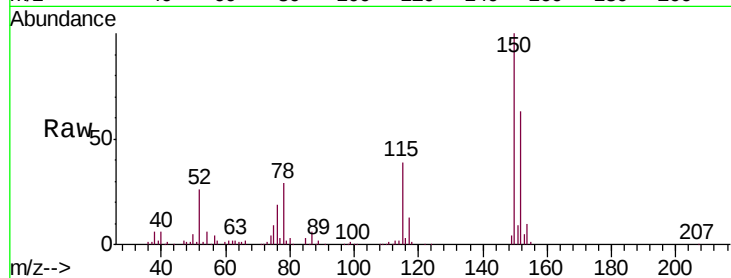
Tgt Ion:152 Resp: 96235

Ion Ratio Lower Upper

152 100

115 62.3 31.0 93.0

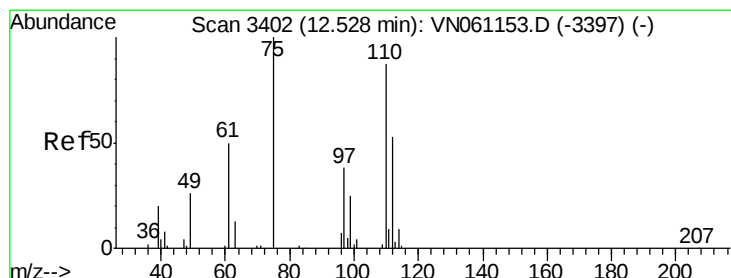
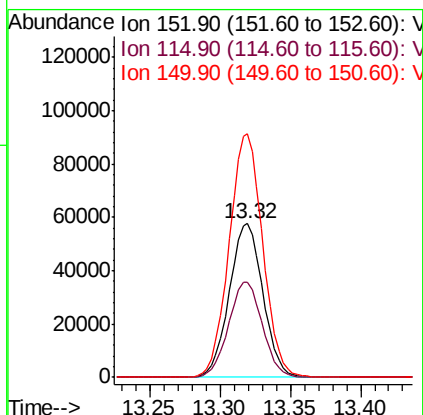
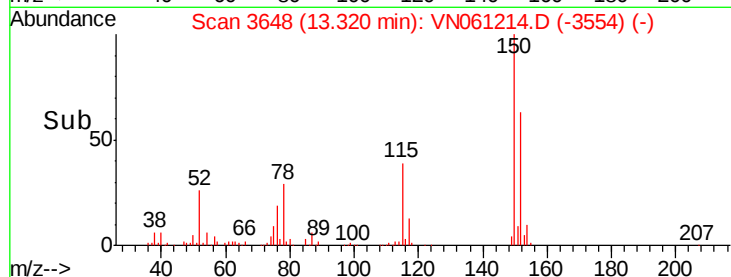
150 157.9 0.0 351.8



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



#76

1,2,3-Trichloropropane

Concen: 27.598 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061214.D

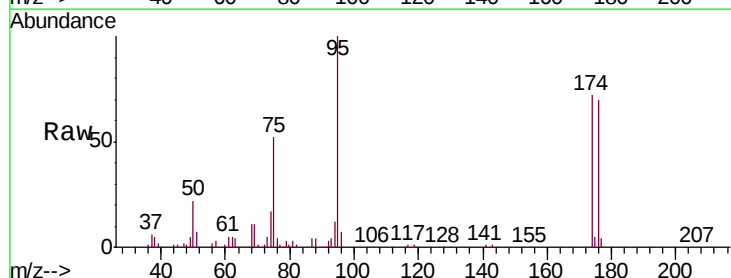
Acq: 30 Apr 2020 20:11

Tgt Ion: 75 Resp: 55993

Ion Ratio Lower Upper

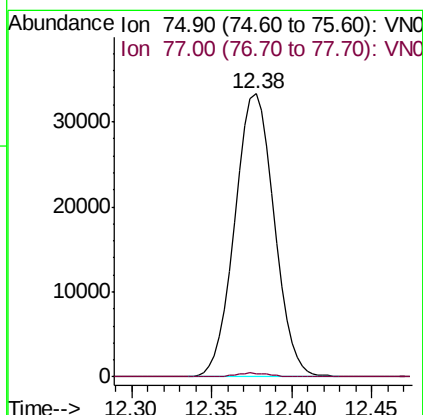
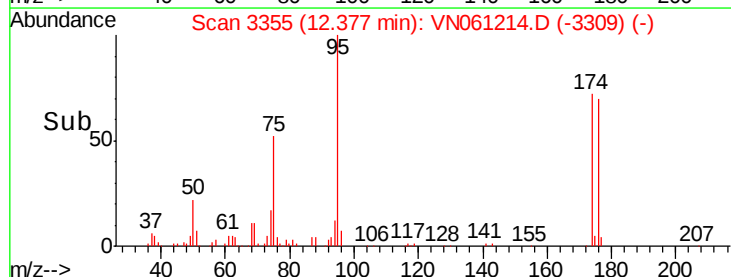
75 100

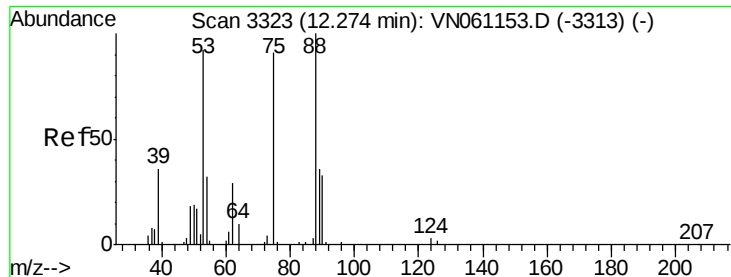
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.084 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061214.D

Acq: 30 Apr 2020 20:11

Instrument :

MSVOA_N

ClientSampled :

MW-6

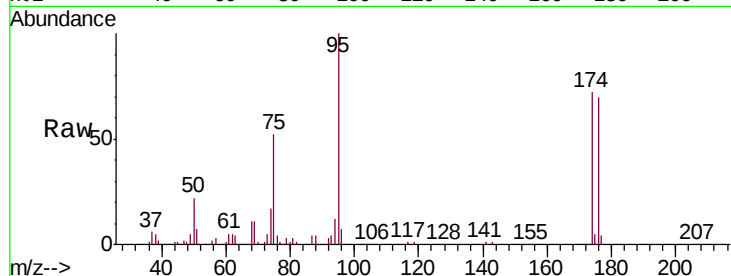
Tgt Ion: 75 Resp: 55993

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

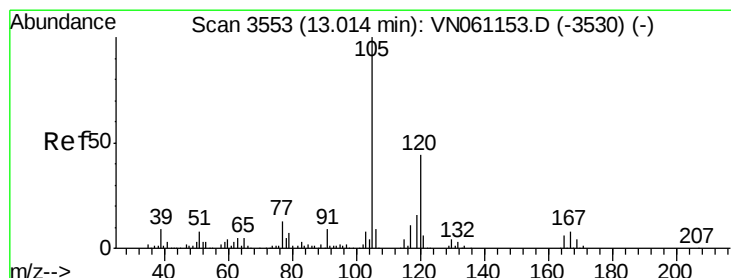
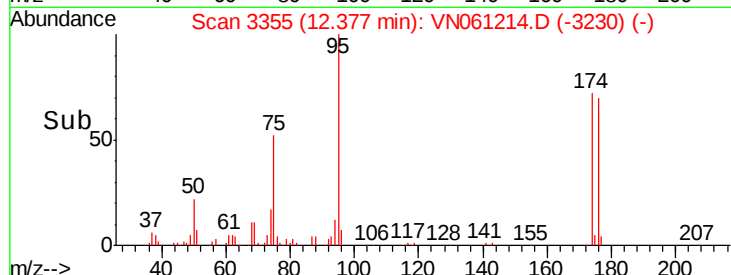
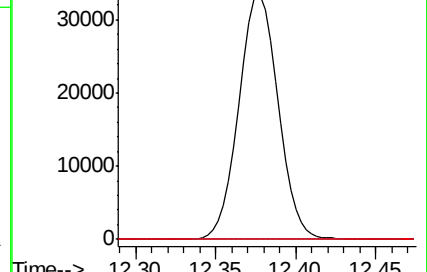
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061214.D (-3230) (-)

Ion 53.00 (52.70 to 53.70): VN061214.D (-3230) (-)

Ion 88.90 (88.60 to 89.60): VN061214.D (-3230) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.884 ug/l

RT: 13.01 min Scan# 3553

Delta R.T. 0.00 min

Lab File: VN061214.D

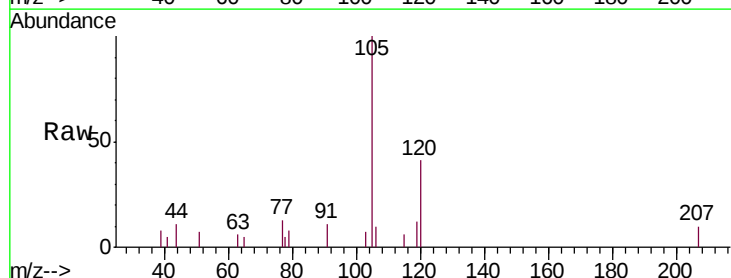
Acq: 30 Apr 2020 20:11

Tgt Ion: 105 Resp: 5333

Ion Ratio Lower Upper

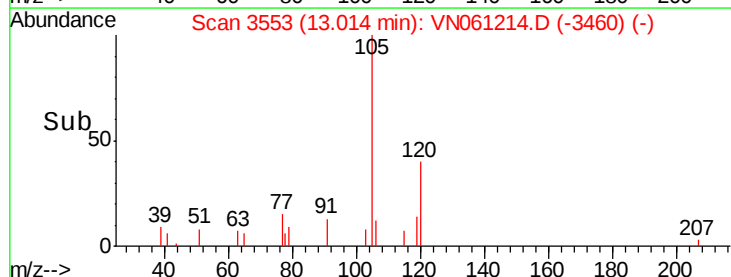
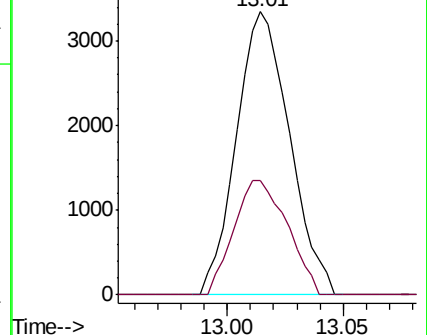
105 100

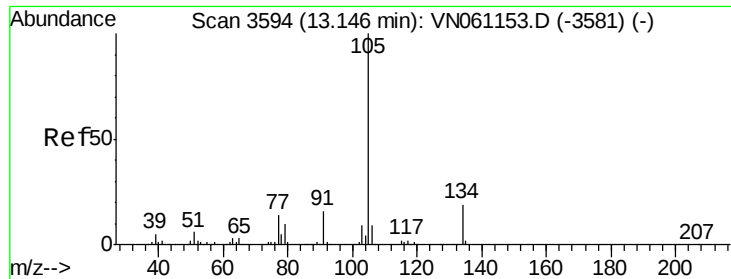
120 40.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN061214.D (-3460) (-)

Ion 120.00 (119.70 to 120.70): VN061214.D (-3460) (-)

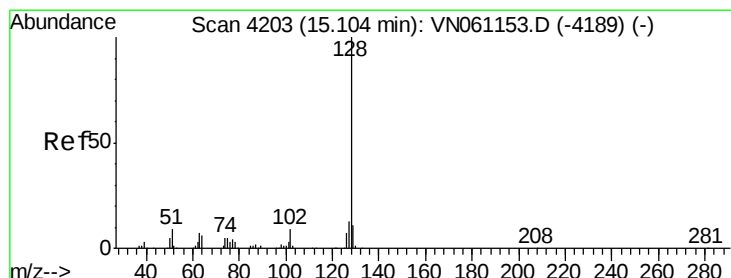
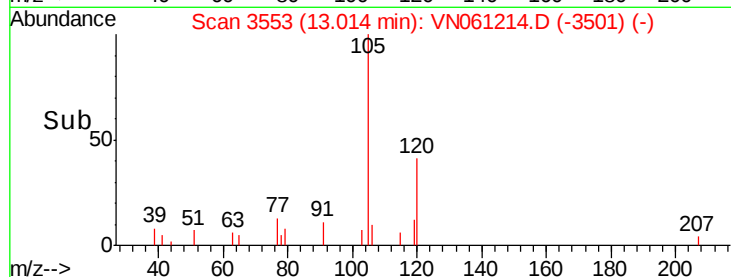
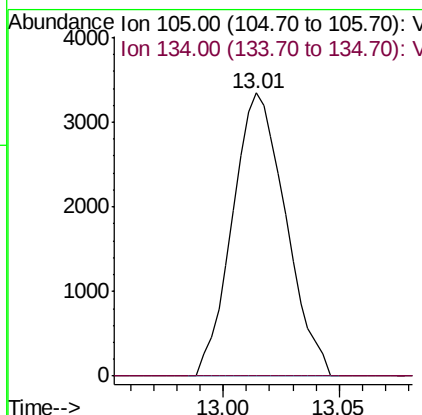
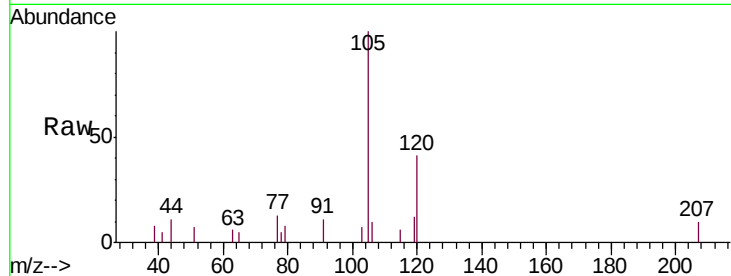




#85
 sec-Butylbenzene
 Concen: 0.792 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. -0.13 min
 Lab File: VN061214.D
 Acq: 30 Apr 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Tgt Ion:105 Resp: 5333
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.8#



#95
 Naphthalene
 Concen: 0.685 ug/l
 RT: 15.10 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN061214.D
 Acq: 30 Apr 2020 20:11

Tgt Ion:128 Resp: 3917
 Ion Ratio Lower Upper
 128 100
 127 10.1 10.4 15.6#
 129 9.0 8.7 13.1

