

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063054.D
 Acq On : 20 Aug 2020 23:39
 Operator : JC/MD
 Sample : L3737-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200818

Quant Time: Aug 21 06:40:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	141784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	242157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89166	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	94763	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
35) Dibromofluoromethane	7.55	113	82667	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
50) Toluene-d8	10.06	98	307084	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.38	95	101265	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

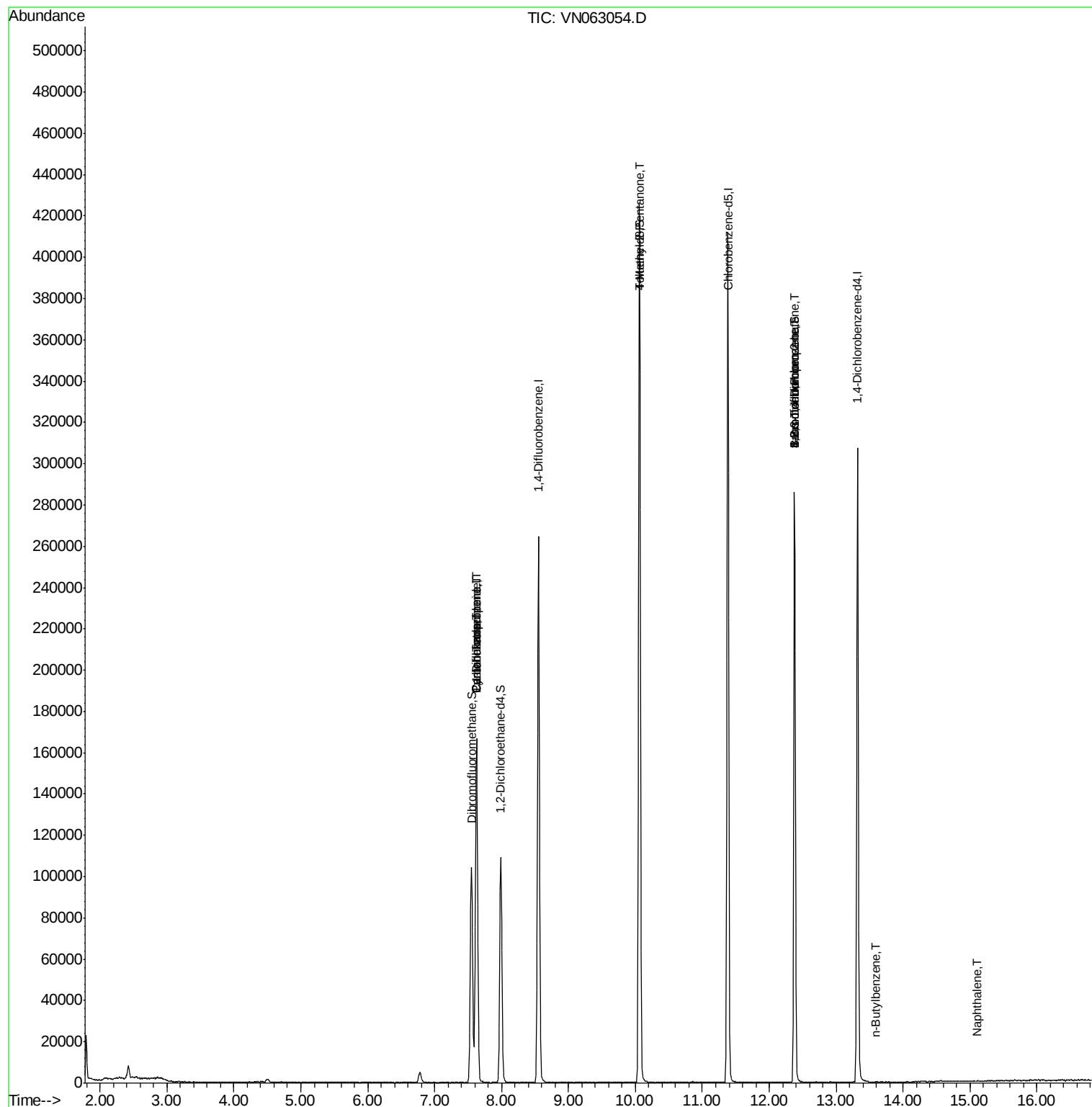
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.51	84	1076	Below Cal	#	90
31) Cyclohexane	7.63	56	2743	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10691	5.084	ug/l #	49
38) Carbon Tetrachloride	7.63	117	13086	6.164	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1266	0.614	ug/l #	1
71) Bromoform	12.38	173	933	0.620	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48957	28.247	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48957	77.579	ug/l #	15
89) n-Butylbenzene	13.59	91	29	2.776	ug/l #	34
95) Naphthalene	15.11	128	92	5.665	ug/l #	69

(#) = 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: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

Instrument :

MSVOA_N

ClientSampleId :

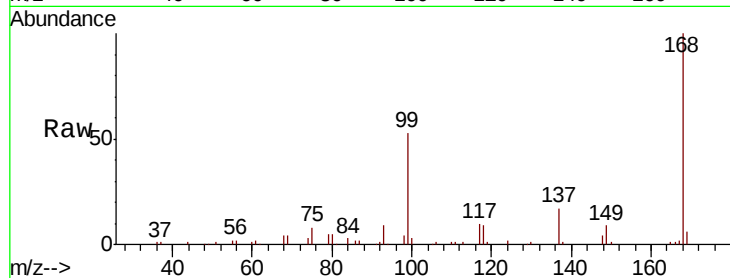
TB-01-200818

Tot Ion:168 Resp: 141784

Ion Ratio Lower Upper

168 100

99 52.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

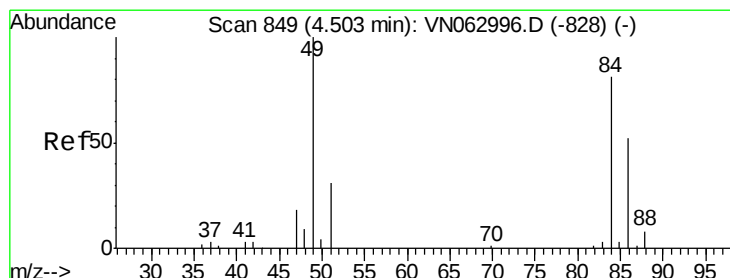
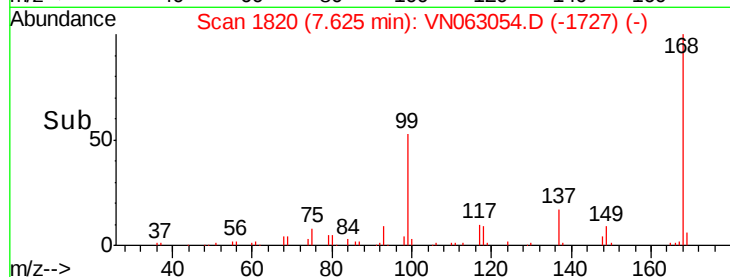
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

Tgt Ion: 84 Resp: 1076

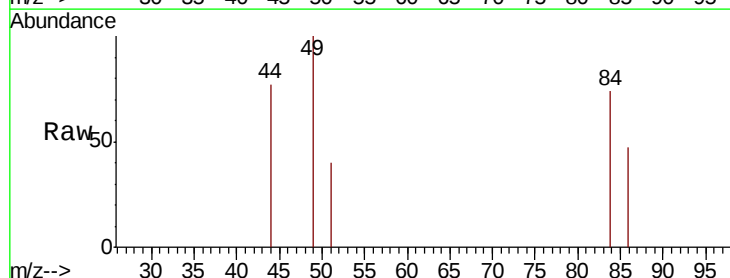
Ion Ratio Lower Upper

84 100

49 135.8 98.7 148.1

51 53.7 30.8 46.2#

86 64.5 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

800

600

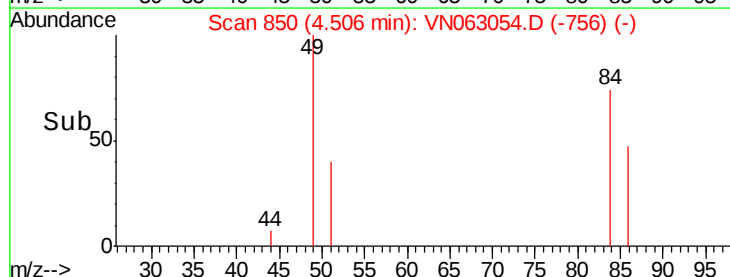
400

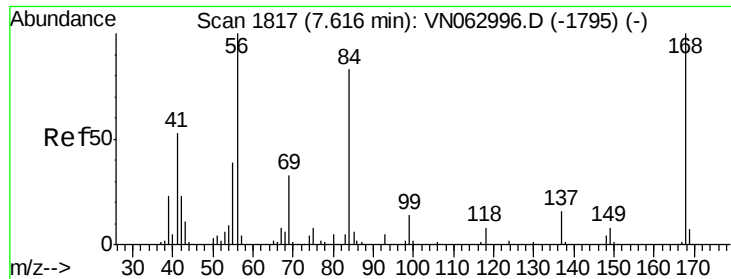
200

0

Time-->

4.45 4.50 4.55

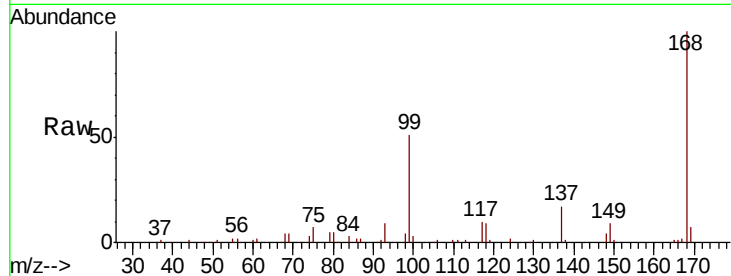




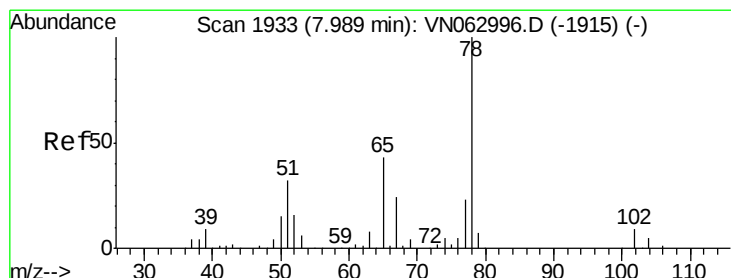
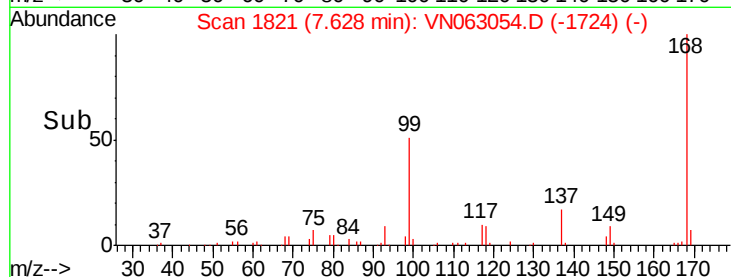
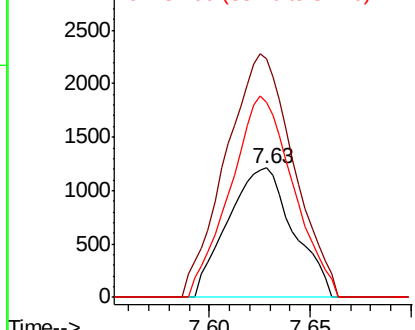
#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.01 min
Lab File: VN063054.D
Acq: 20 Aug 2020 23:39

Instrument :
MSVOA_N
ClientSampleId :
TB-01-200818

Tot Ion: 56 Resp: 2743
Ion Ratio Lower Upper
56 100
69 183.9 26.6 40.0#
84 150.5 66.4 99.6#

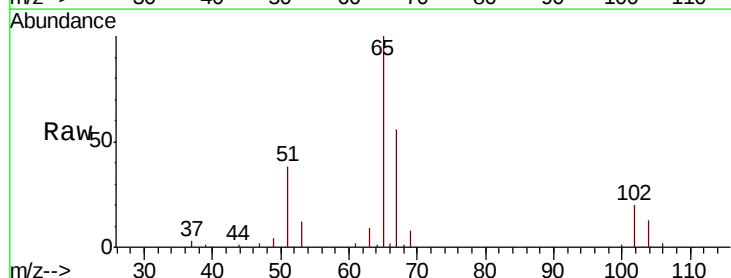


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

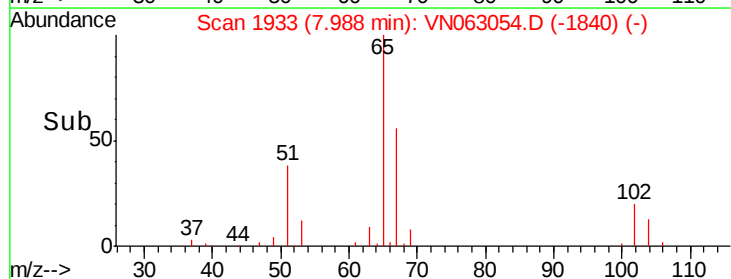
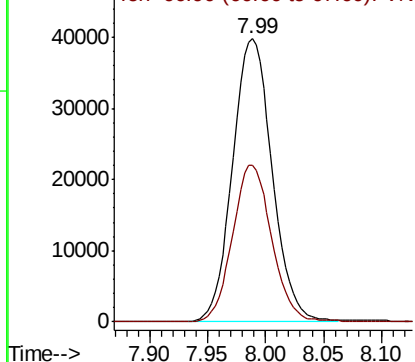


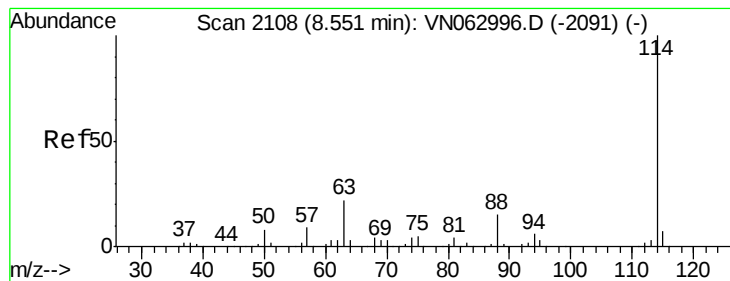
#33
1,2-Dichloroethane-d4
Concen: 56.393 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN063054.D
Acq: 20 Aug 2020 23:39

Tgt Ion: 65 Resp: 94763
Ion Ratio Lower Upper
65 100
67 54.6 0.0 112.0



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: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

Instrument :

MSVOA_N

ClientSampleId :

TB-01-200818

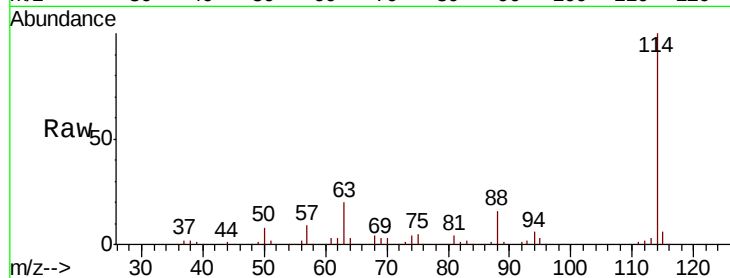
Tot Ion:114 Resp: 238610

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

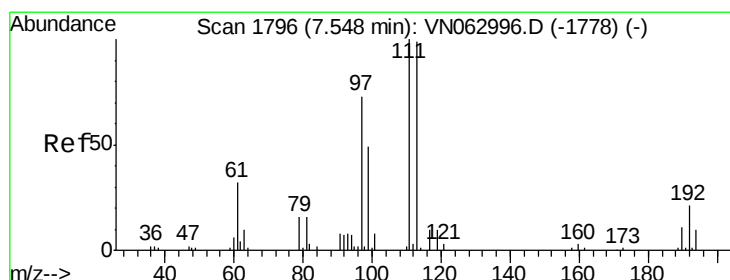
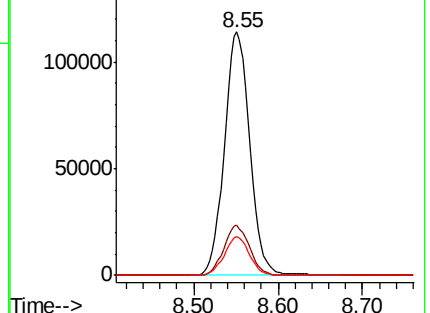
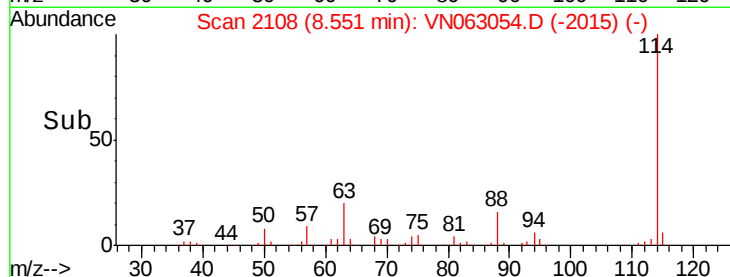
88 15.8 0.0 30.6



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: 53.170 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

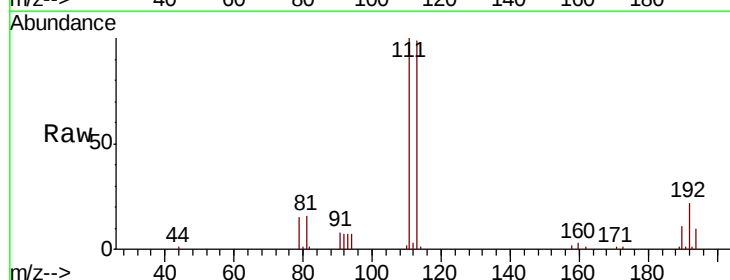
Tgt Ion:113 Resp: 82667

Ion Ratio Lower Upper

113 100

111 101.5 81.7 122.5

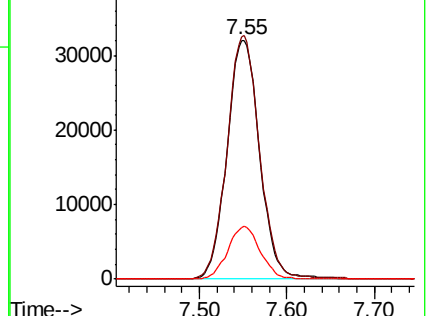
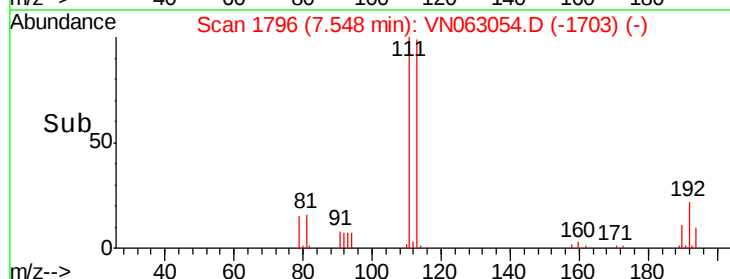
192 21.9 17.5 26.3

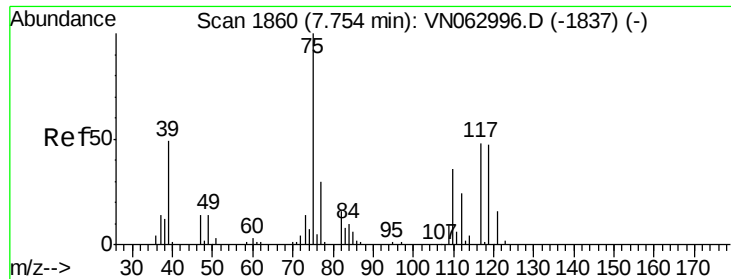


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

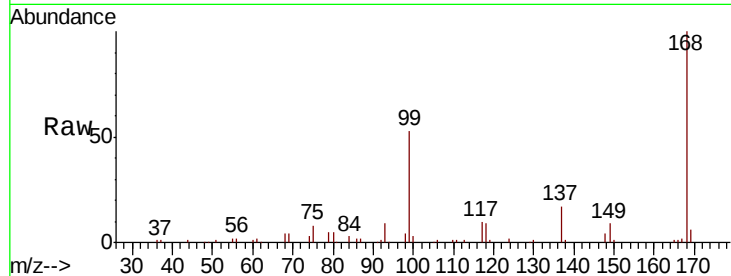




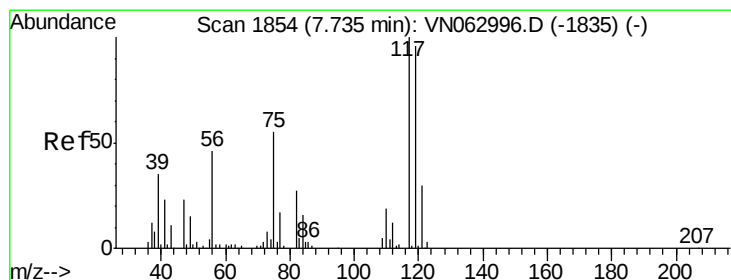
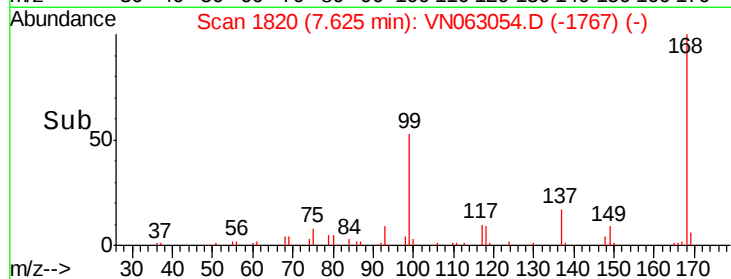
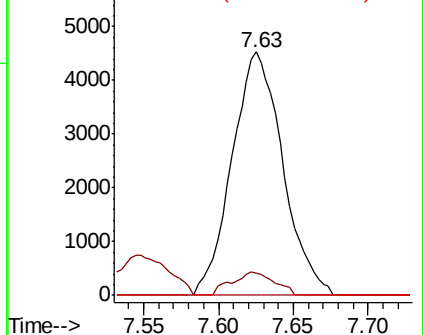
#36
 1,1-Dichloropropene
 Concen: 5.084 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063054.D
 Acq: 20 Aug 2020 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200818

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.5	52.6#
77	0.0	24.2	36.4#

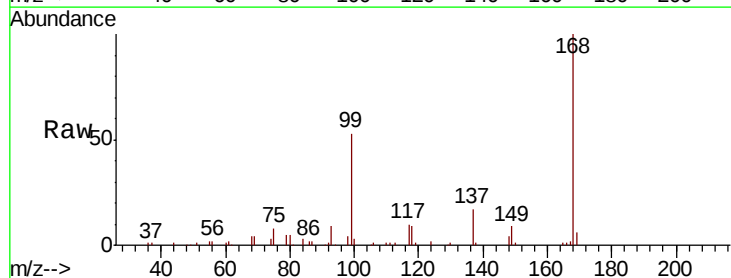


Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-1837) (-)
 Ion 109.90 (109.60 to 110.60): VN062996.D (-1837) (-)
 Ion 76.90 (76.60 to 77.60): VN062996.D (-1837) (-)

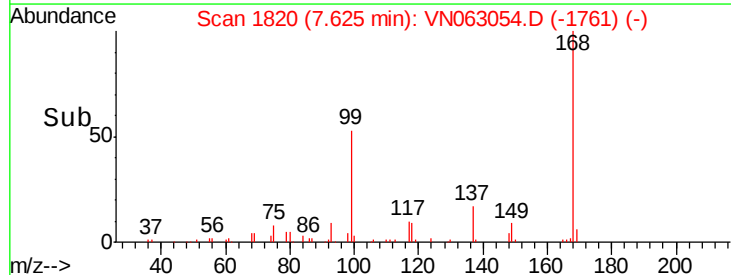
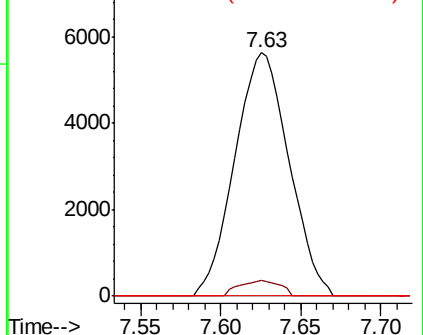


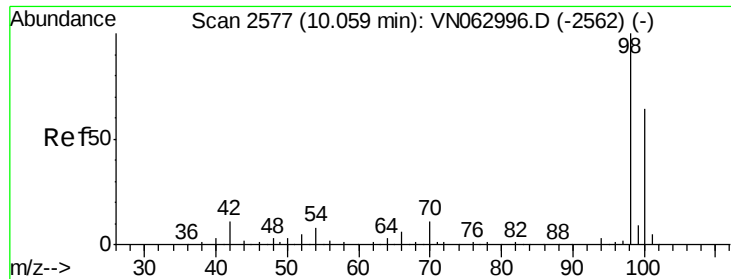
#38
 Carbon Tetrachloride
 Concen: 6.164 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN063054.D
 Acq: 20 Aug 2020 23:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.2	114.4#
121	0.0	24.2	36.2#



Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-1835) (-)
 Ion 118.80 (118.50 to 119.50): VN062996.D (-1835) (-)
 Ion 120.80 (120.50 to 121.50): VN062996.D (-1835) (-)





#50

Toluene-d8

Concen: 51.421 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

Instrument :

MSVOA_N

ClientSampleId :

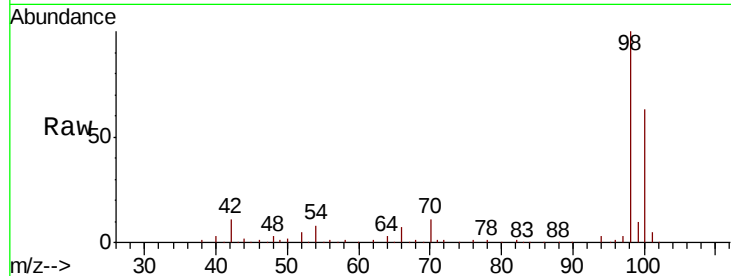
TB-01-200818

Tot Ion: 98 Resp: 307084

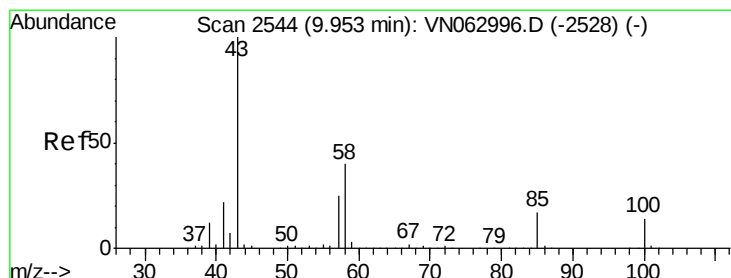
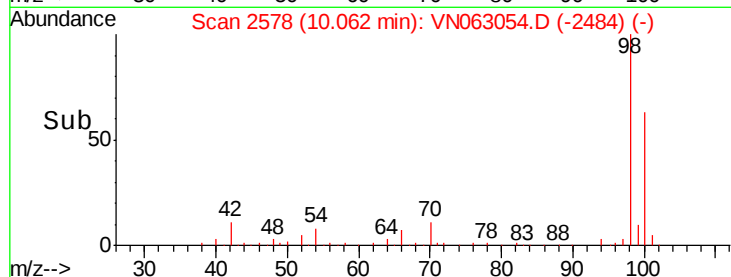
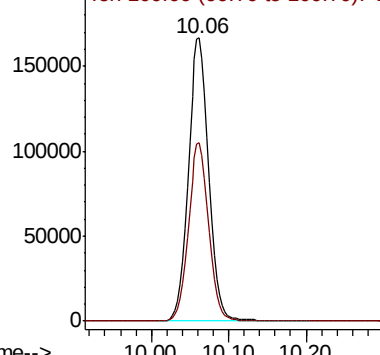
Ion Ratio Lower Upper

98 100

100 62.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.614 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN063054.D

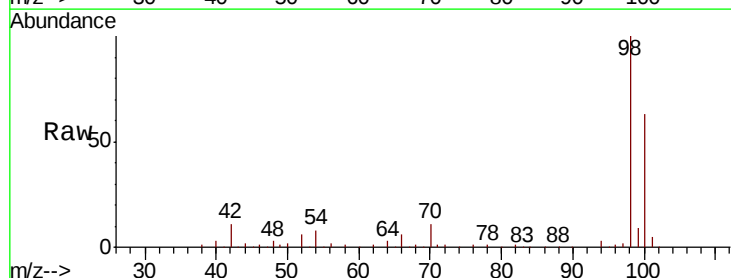
Acq: 20 Aug 2020 23:39

Tgt Ion: 43 Resp: 1266

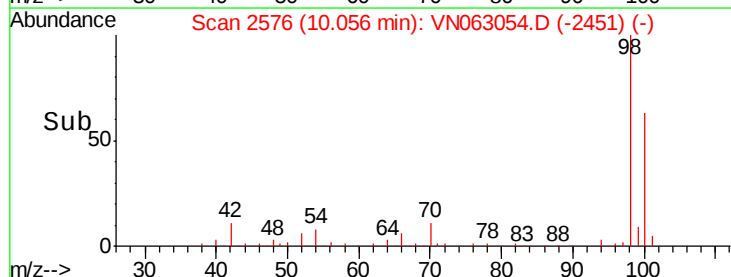
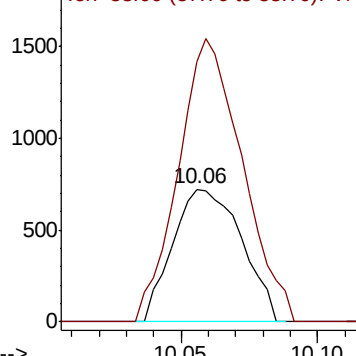
Ion Ratio Lower Upper

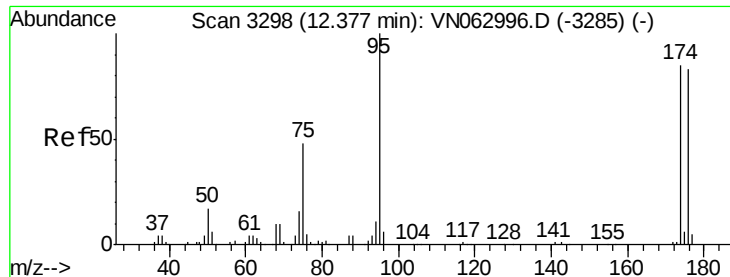
43 100

58 198.5 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)





#62

4-Bromofluorobenzene

Concen: 48.052 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

Instrument :

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ClientSampleId :

TB-01-200818

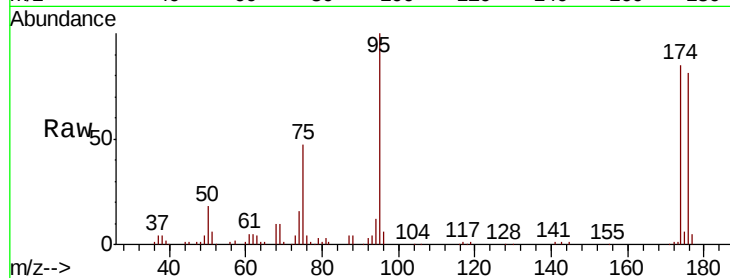
Tot Ion: 95 Resp: 101265

Ion Ratio Lower Upper

95 100

174 86.0 0.0 170.8

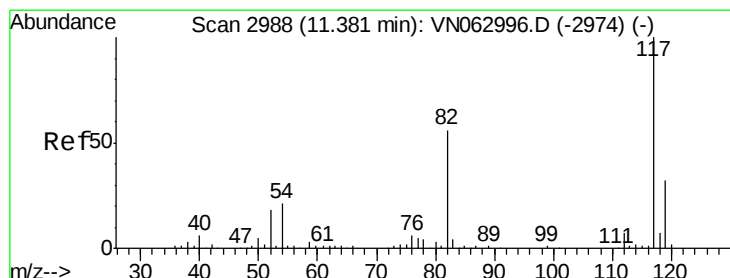
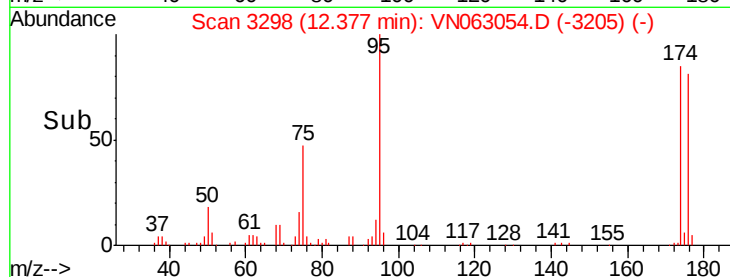
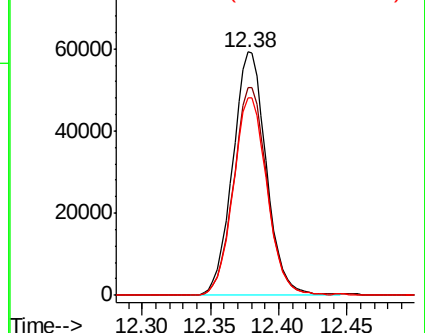
176 82.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

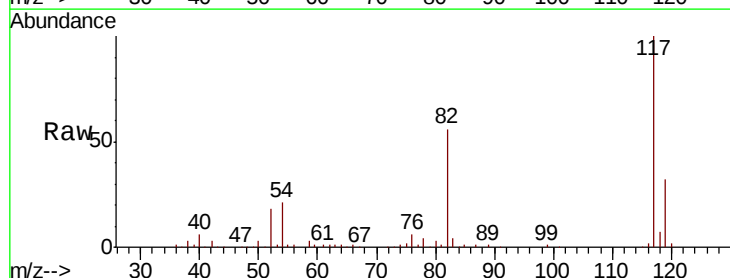
Tgt Ion: 117 Resp: 242157

Ion Ratio Lower Upper

117 100

82 55.7 44.5 66.7

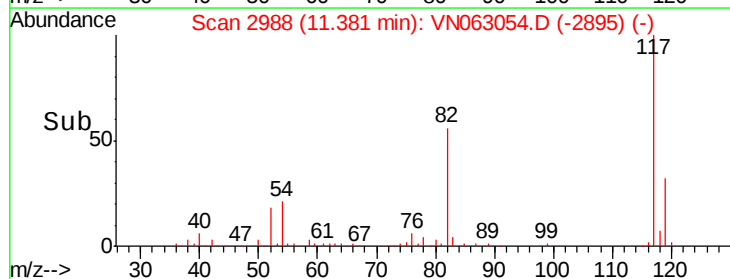
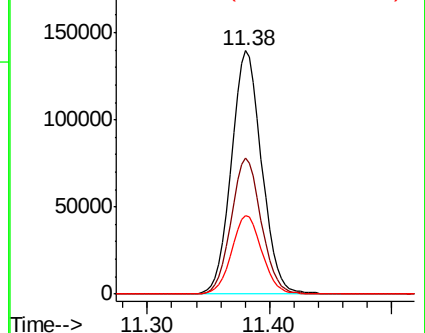
119 32.2 25.5 38.3

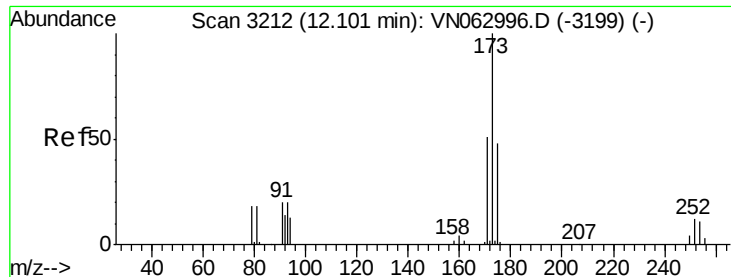


Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)





#71

Bromoform

Concen: 0.620 ug/l

RT: 12.38 min Scan# 3300

Delta R.T. 0.28 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

Instrument :

MSVOA_N

ClientSampleId :

TB-01-200818

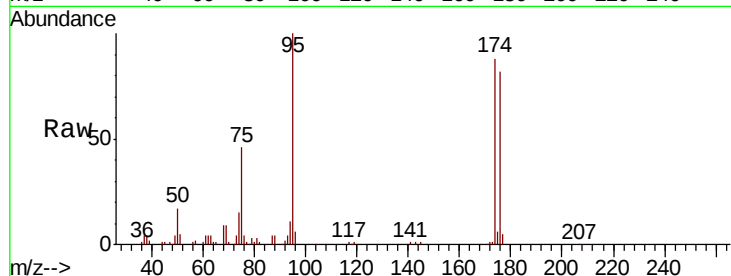
Tot Ion:173 Resp: 933

Ion Ratio Lower Upper

173 100

175 541.8 24.3 72.8#

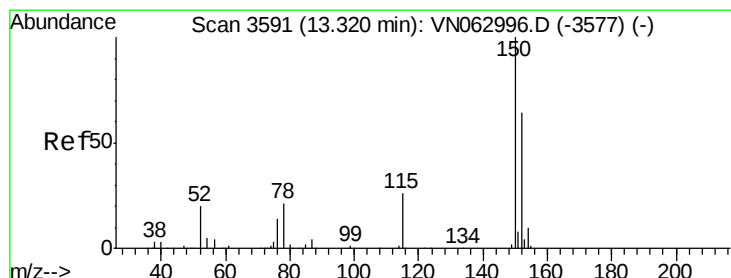
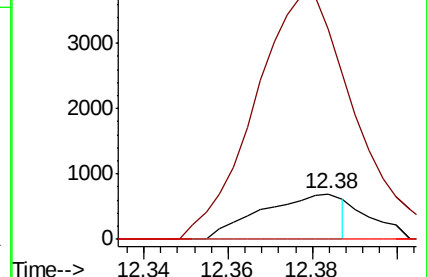
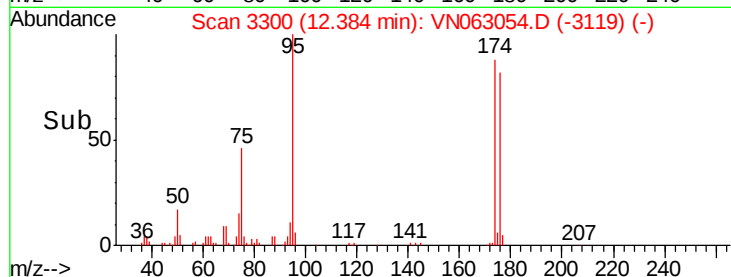
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063054.D

Acq: 20 Aug 2020 23:39

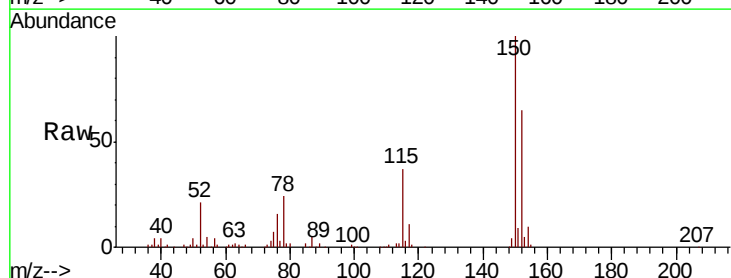
Tgt Ion:152 Resp: 89166

Ion Ratio Lower Upper

152 100

115 56.2 28.7 86.3

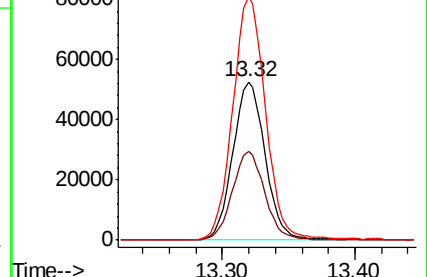
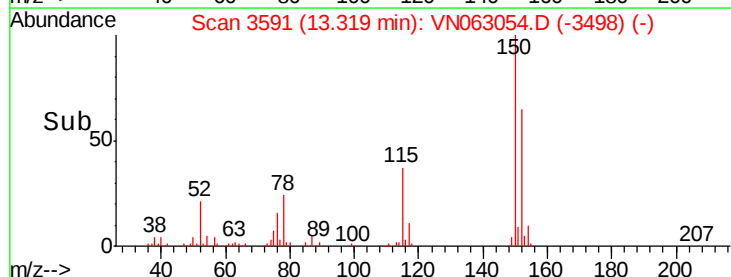
150 156.0 0.0 348.8

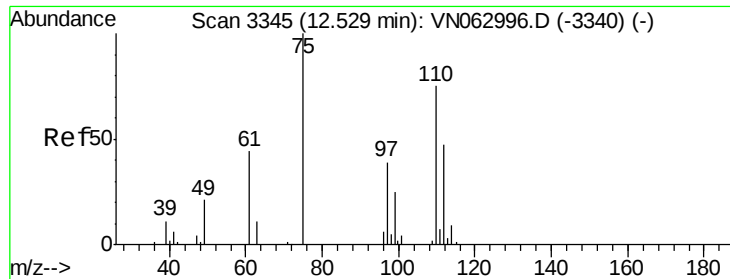


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

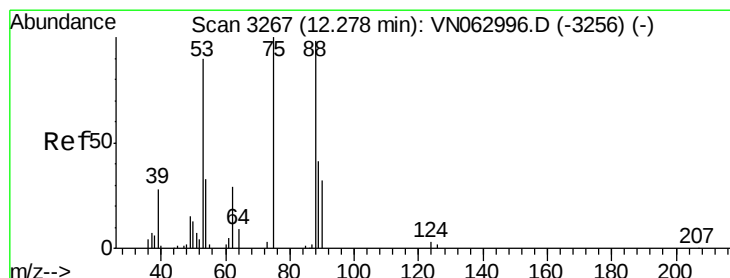
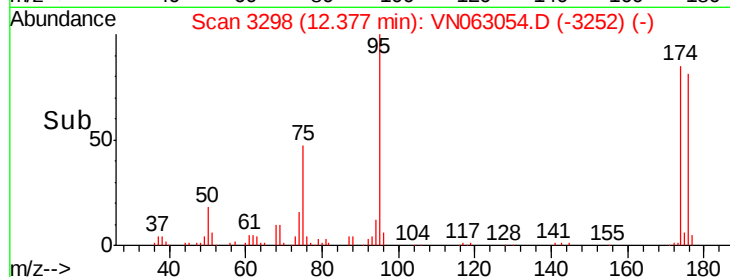
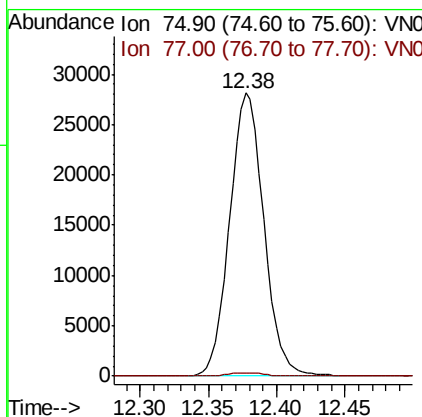
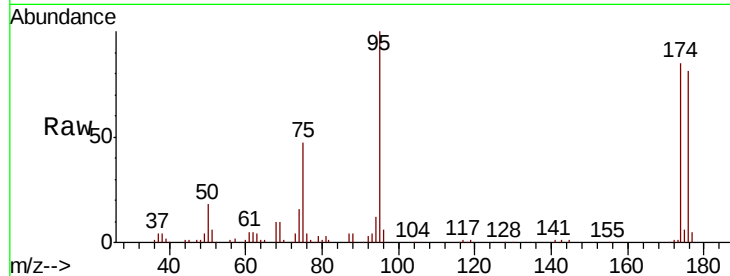




#76
 1,2,3-Trichloropropane
 Concen: 28.247 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN063054.D
 Acq: 20 Aug 2020 23:39

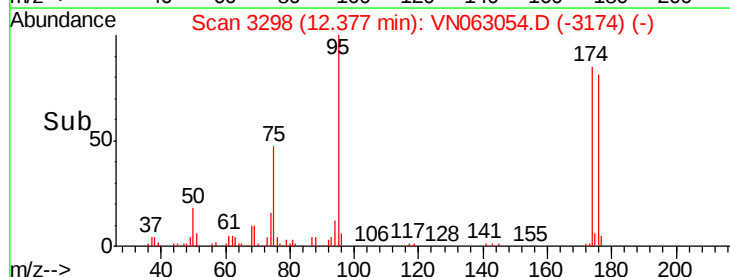
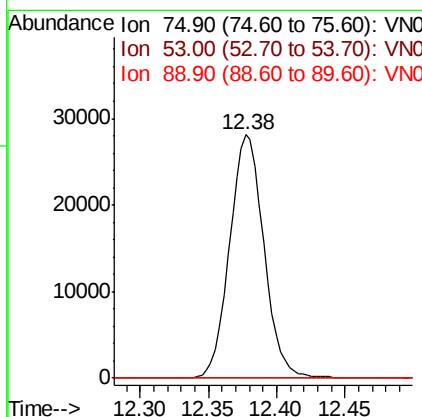
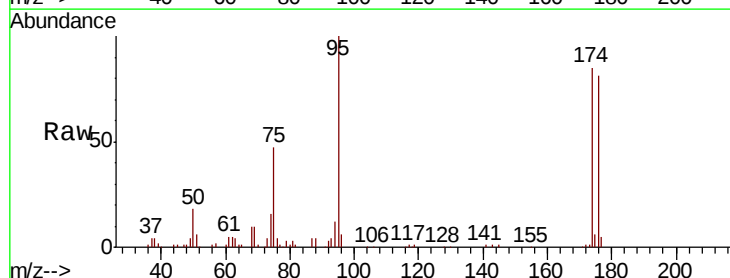
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200818

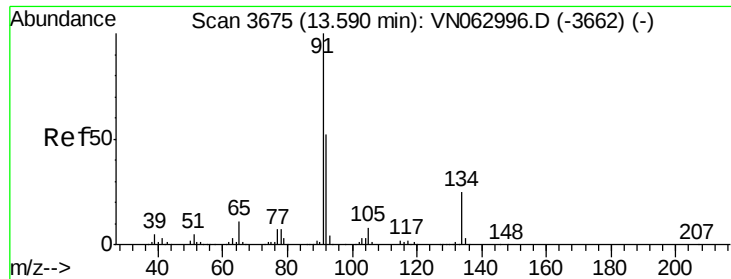
Tot Ion: 75 Resp: 48957
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.579 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063054.D
 Acq: 20 Aug 2020 23:39

Tgt Ion: 75 Resp: 48957
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 34.2 51.4#

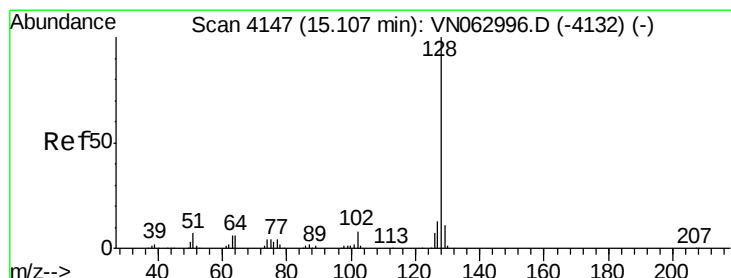
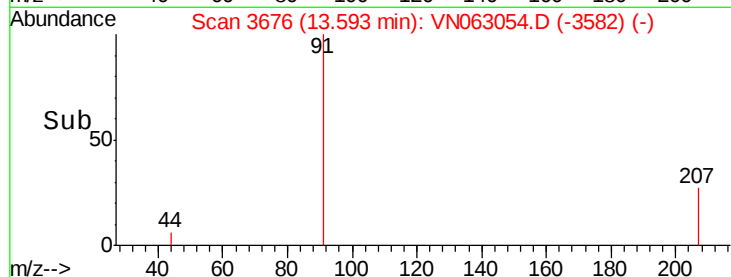
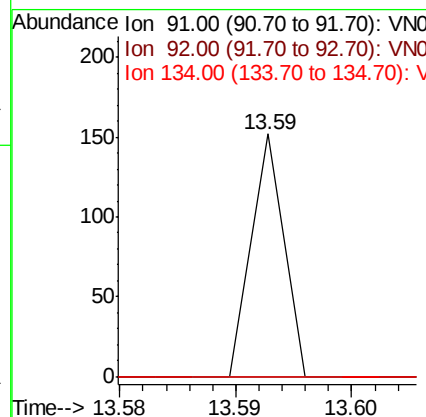
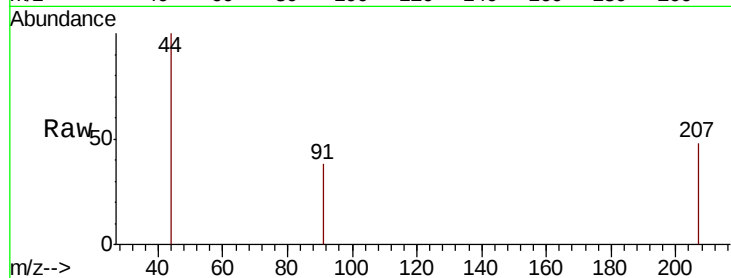




#89
n-Butylbenzene
Concen: 2.776 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN063054.D
Acq: 20 Aug 2020 23:39

Instrument :
MSVOA_N
ClientSampleId :
TB-01-200818

Tot Ion: 91 Resp: 29
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.6#
134 0.0 12.4 37.0#



#95
Naphthalene
Concen: 5.665 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN063054.D
Acq: 20 Aug 2020 23:39

Tgt Ion: 128 Resp: 92
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.9 13.3#

