

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061303.D
 Acq On : 6 May 2020 11:55
 Operator : JC/MD
 Sample : VN0506WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 03:07:49 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	7.62	168	96355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	172829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	159568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	60144	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	77673	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	7.54	113	52077	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	10.06	98	215013	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.38	95	73560	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

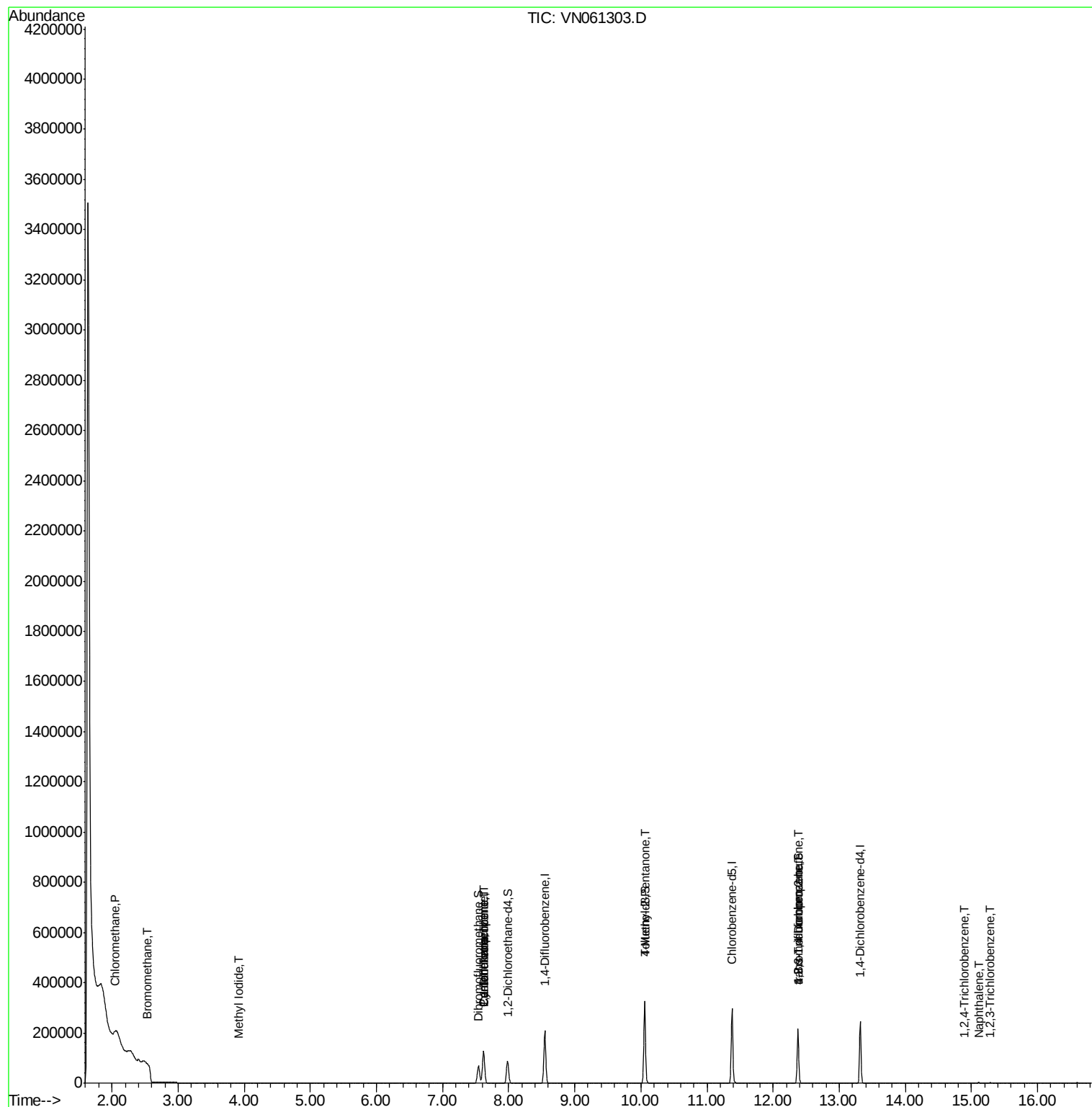
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	952	0.769	ug/l #	81
5) Bromomethane	2.55	94	168	0.242	ug/l #	39
10) Methyl Iodide	3.91	142	544	0.414	ug/l #	38
16) Acetone	3.78	43	621	Below Cal	#	47
31) Cyclohexane	7.62	56	2433	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	8942	5.168	ug/l #	49
38) Carbon Tetrachloride	7.62	117	10524	8.649	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1065	0.538	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	40990	32.327	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	40990	82.093	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	381	0.347	ug/l #	75
95) Naphthalene	15.11	128	1645	0.460	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.29	180	448	0.414	ug/l #	74

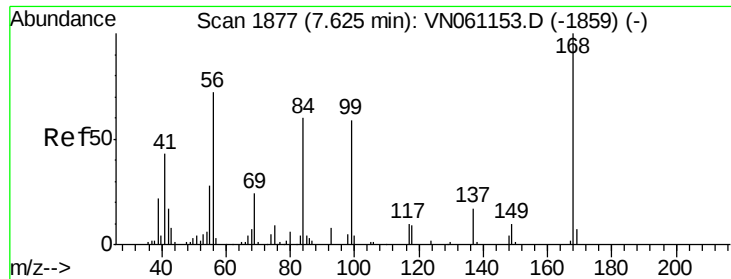
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061303.D

Acq: 6 May 2020 11:55

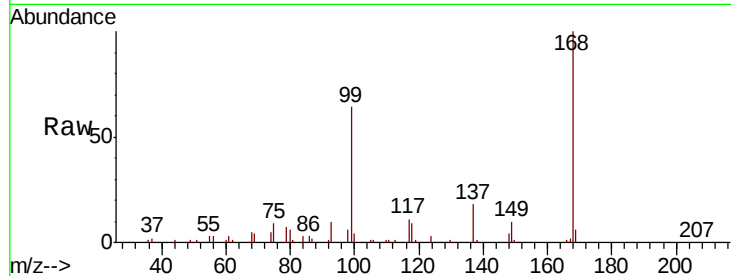
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 96355

Ion Ratio Lower Upper

168 100

99 63.7 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

40000

30000

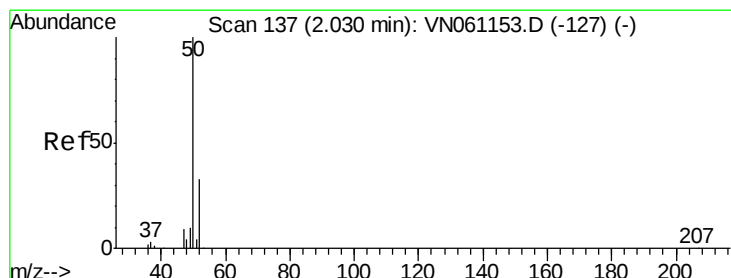
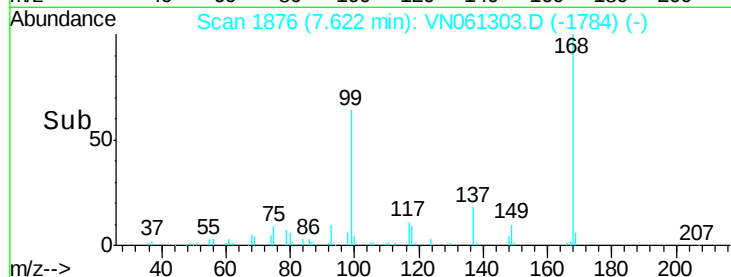
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.769 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061303.D

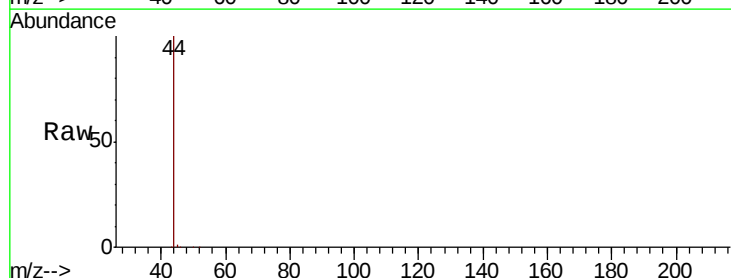
Acq: 6 May 2020 11:55

Tgt Ion: 50 Resp: 952

Ion Ratio Lower Upper

50 100

52 43.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

600

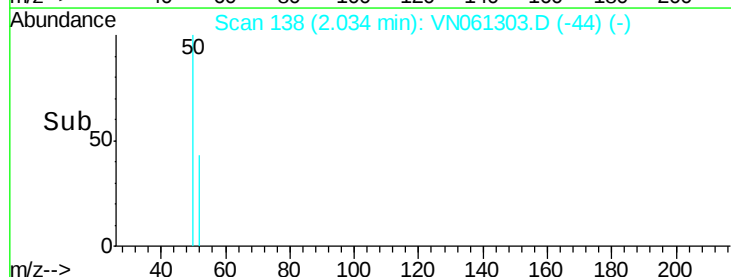
400

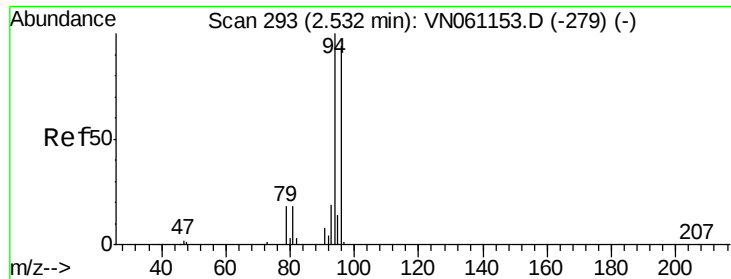
200

0

2.00 2.05

Time-->





#5

Bromomethane

Concen: 0.242 ug/l

RT: 2.55 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN061303.D

Acq: 6 May 2020 11:55

Instrument :

MSVOA_N

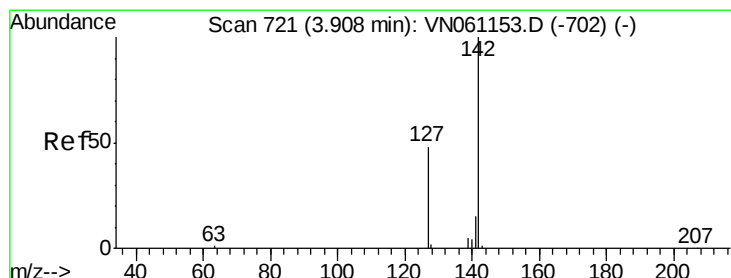
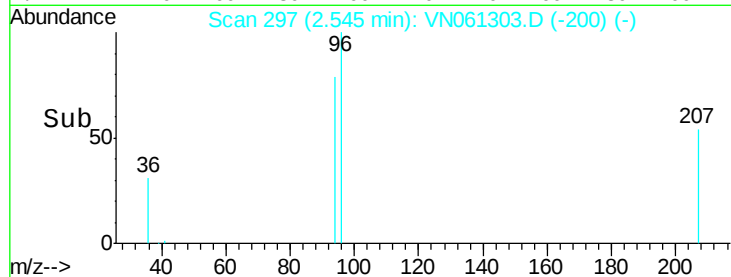
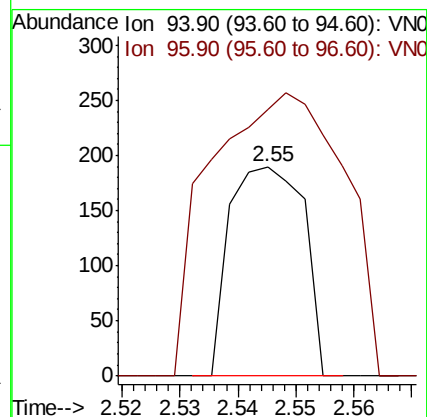
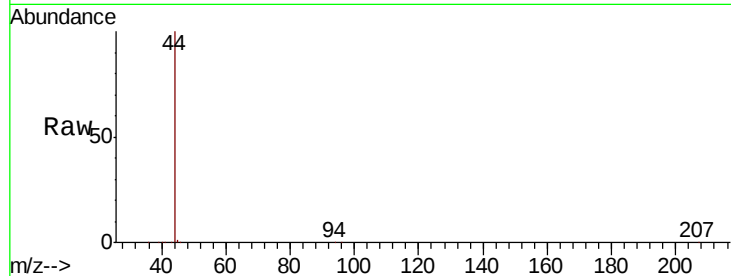
ClientSampleId :

Tot Ion: 94 Resp: 168

Ion Ratio Lower Upper

94 100

96 35.3 75.1 112.7#



#10

Methyl Iodide

Concen: 0.414 ug/l

RT: 3.91 min Scan# 722

Delta R.T. 0.00 min

Lab File: VN061303.D

Acq: 6 May 2020 11:55

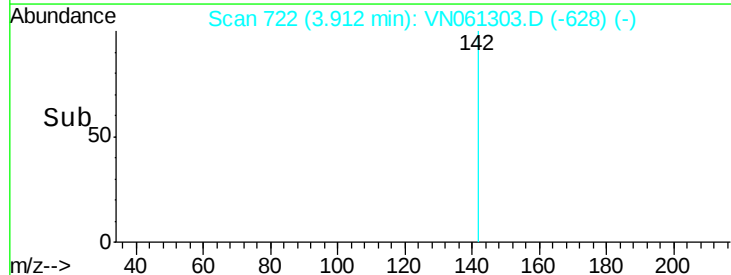
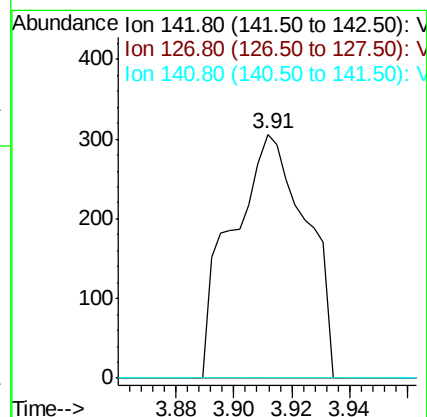
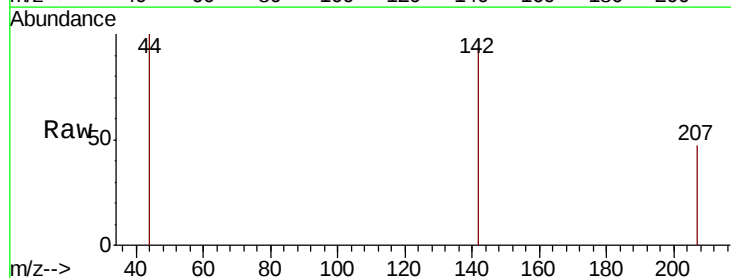
Tgt Ion: 142 Resp: 544

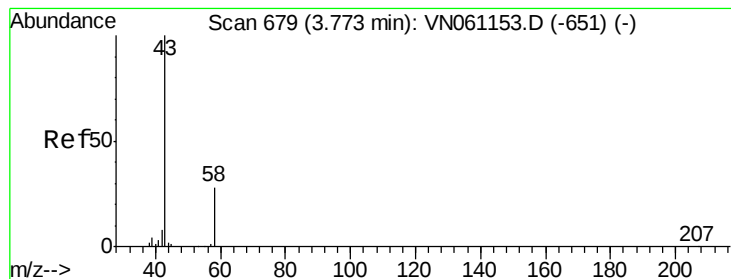
Ion Ratio Lower Upper

142 100

127 0.0 38.0 57.0#

141 0.0 11.7 17.5#





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061303.D

Acq: 6 May 2020 11:55

Instrument :

MSVOA_N

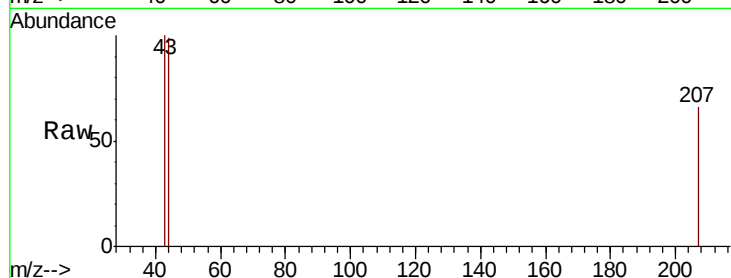
ClientSampleId :

Tot Ion: 43 Resp: 621

Ion Ratio Lower Upper

43 100

58 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

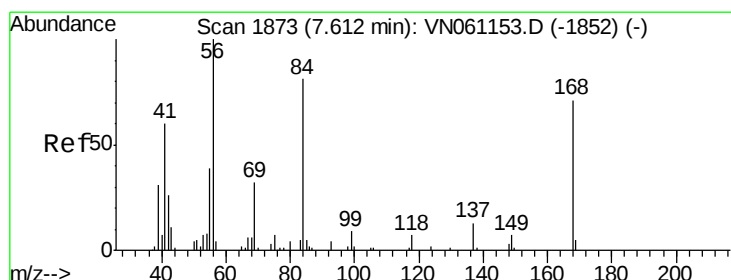
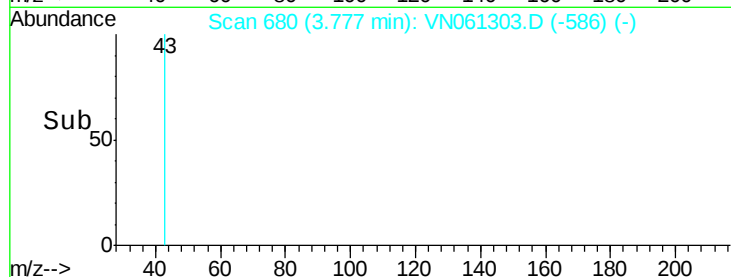
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.097 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. 0.01 min

Lab File: VN061303.D

Acq: 6 May 2020 11:55

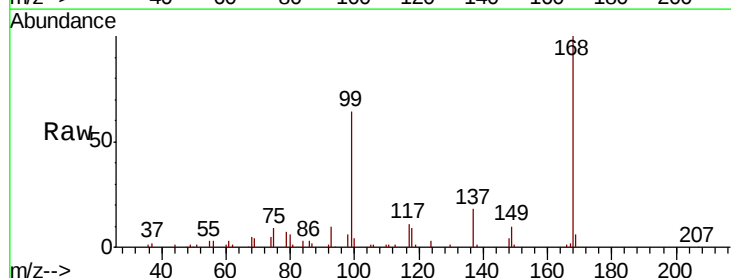
Tgt Ion: 56 Resp: 2433

Ion Ratio Lower Upper

56 100

69 168.7 25.7 38.5#

84 130.9 64.6 97.0#



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

2000

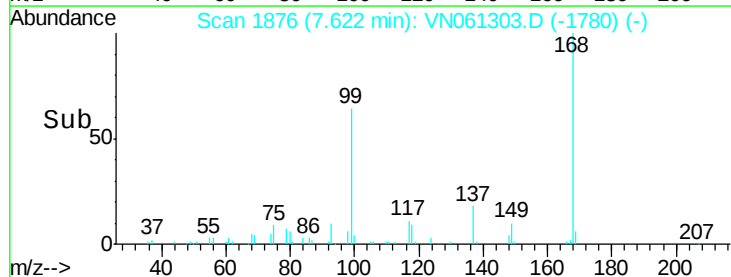
1500

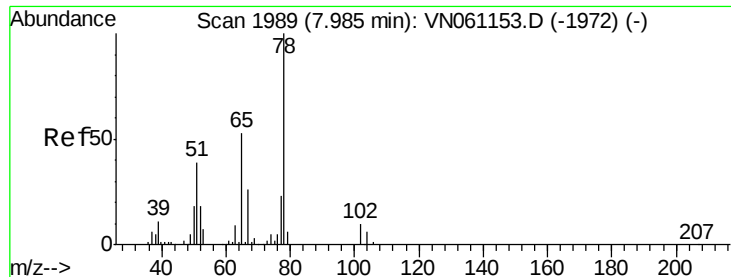
1000

500

0

Time-->

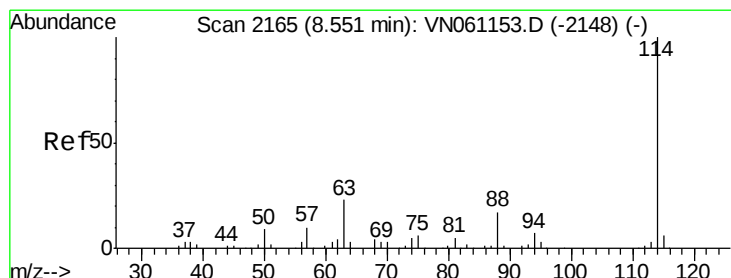
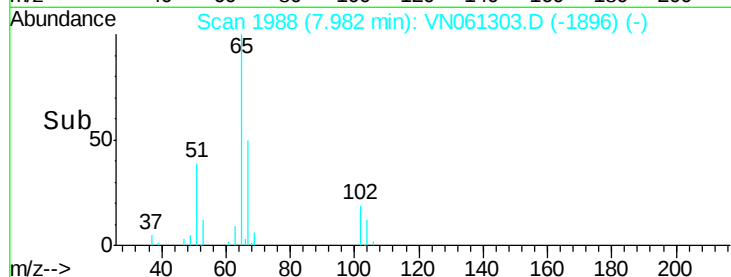
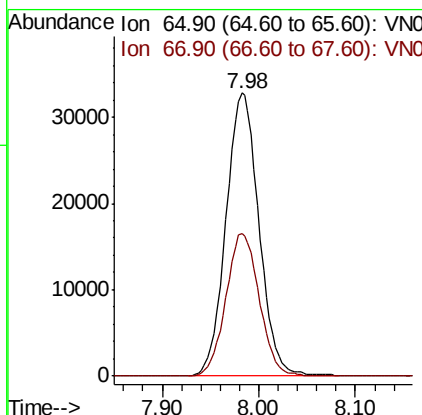
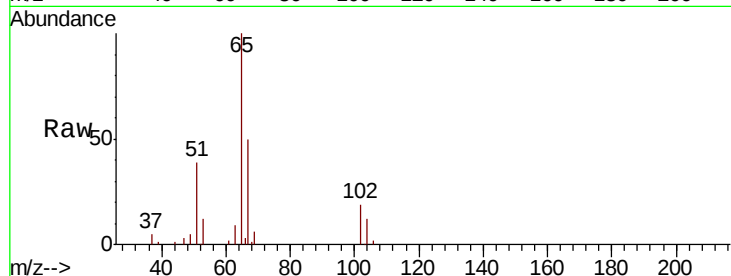




#33
 1,2-Dichloroethane-d4
 Concen: 50.945 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

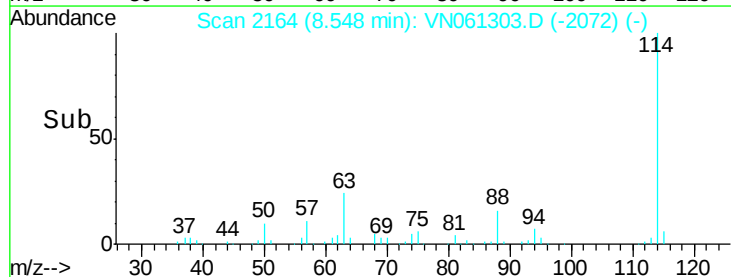
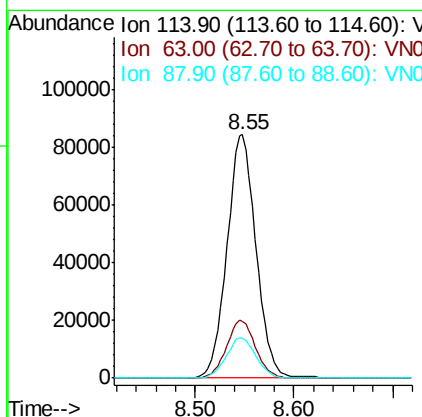
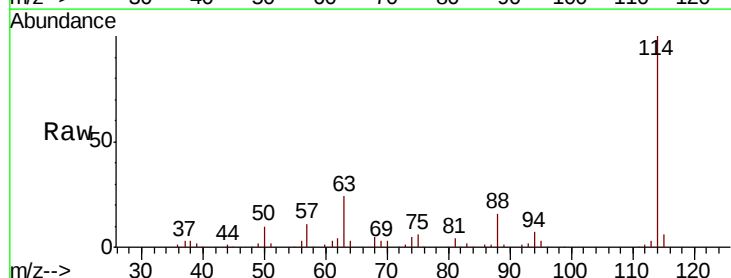
Instrument :
 MSVOA_N
 ClientSampleId :

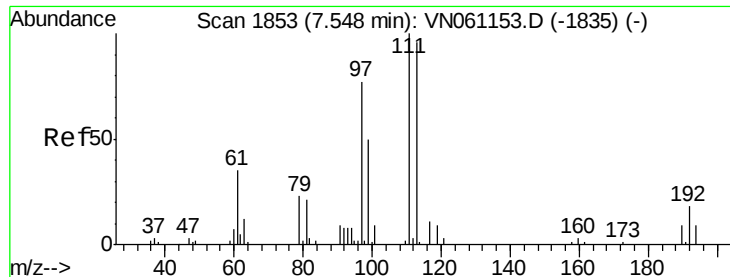
Tot Ion: 65 Resp: 77673
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

Tgt Ion: 114 Resp: 172829
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.6
 88 16.2 0.0 33.4

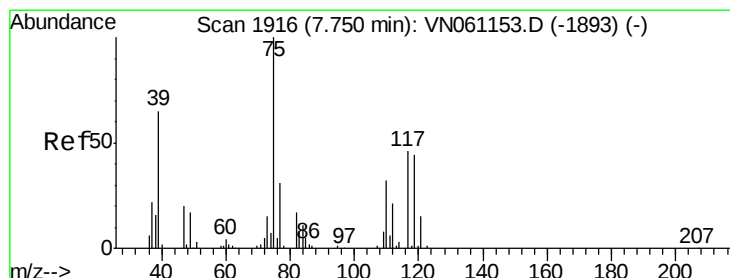
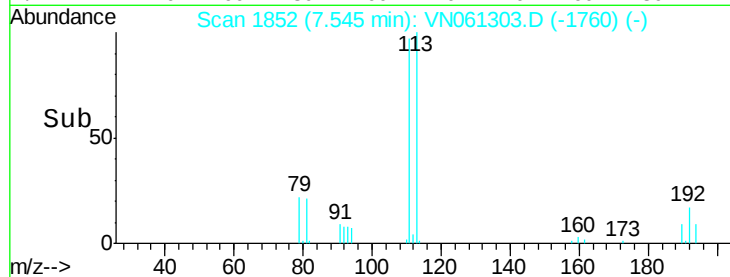
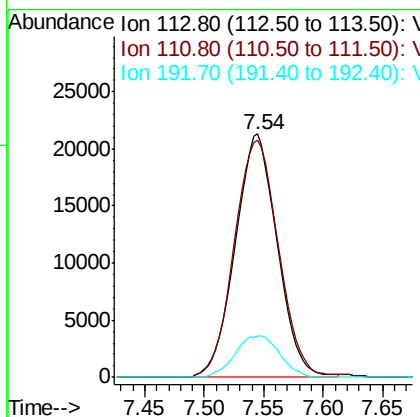
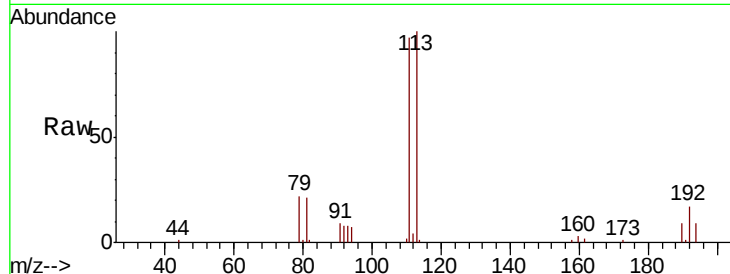




#35
 Dibromofluoromethane
 Concen: 50.957 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

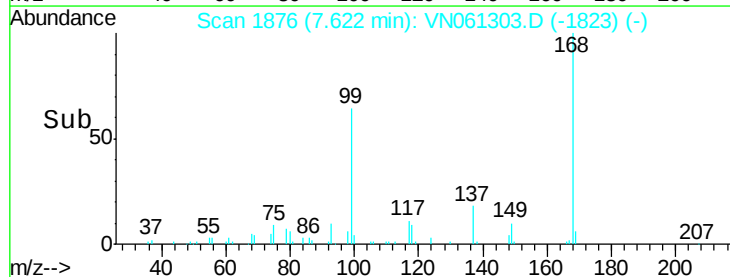
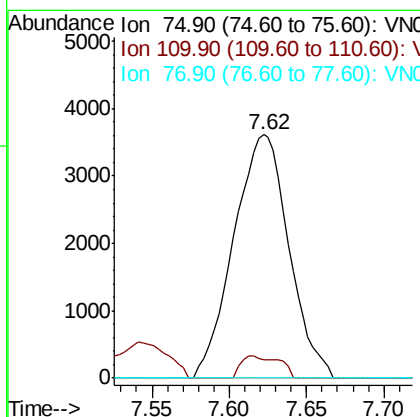
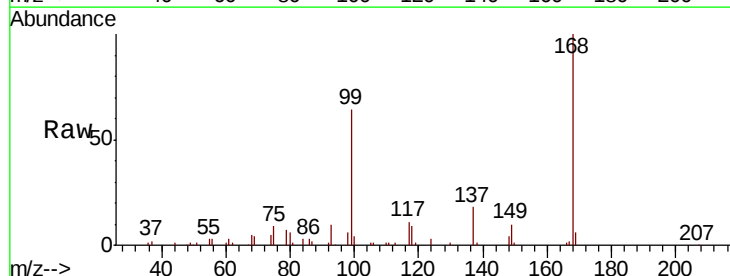
Instrument :
 MSVOA_N
 ClientSampled :

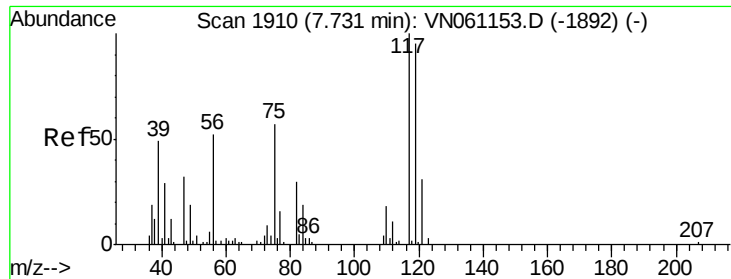
Tot Ion:113 Resp: 52077
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.9 124.3
 192 18.1 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.168 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

Tgt Ion: 75 Resp: 8942
 Ion Ratio Lower Upper
 75 100
 110 6.3 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 8.649 ug/l

RT: 7.62 min Scan# 1875

Delta R.T. -0.11 min

Lab File: VN061303.D

Acq: 6 May 2020 11:55

Instrument :

MSVOA_N

ClientSampled :

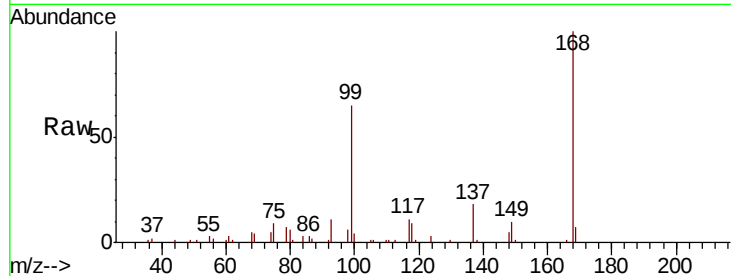
Tot Ion:117 Resp: 10524

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

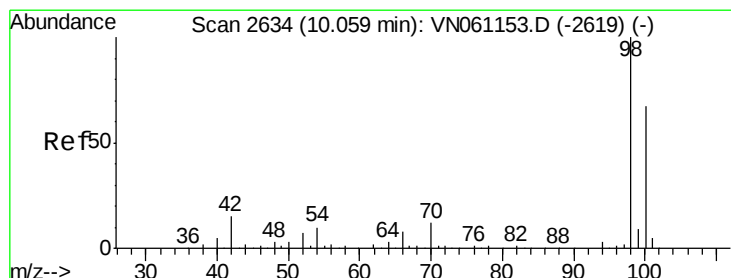
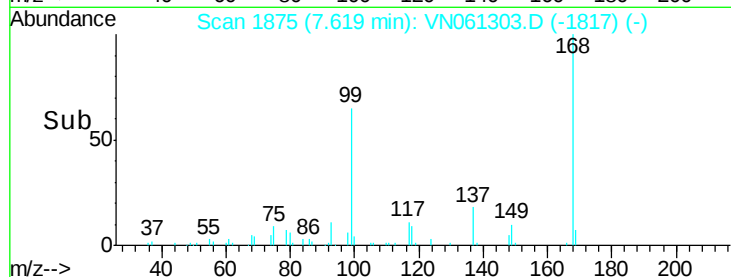
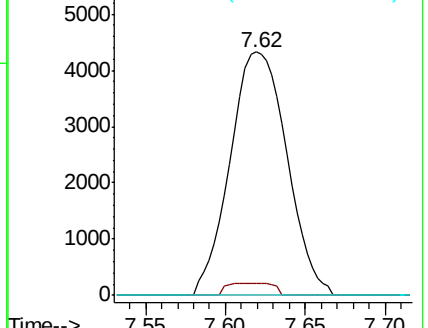
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 51.610 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061303.D

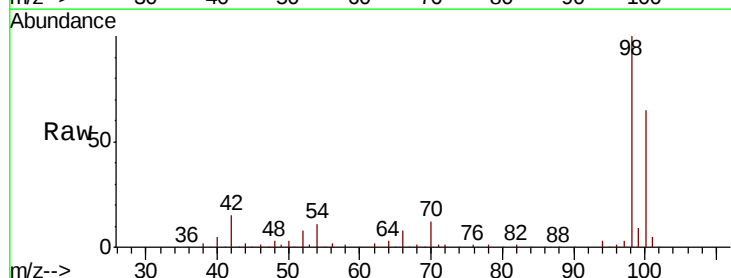
Acq: 6 May 2020 11:55

Tgt Ion: 98 Resp: 215013

Ion Ratio Lower Upper

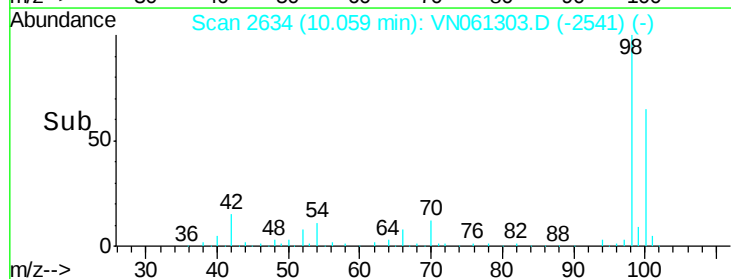
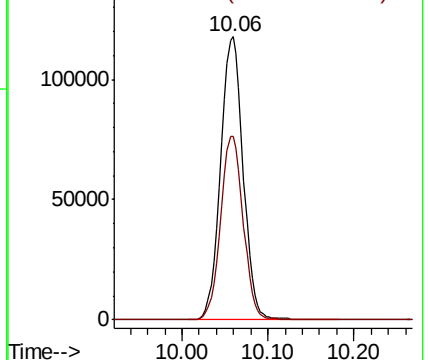
98 100

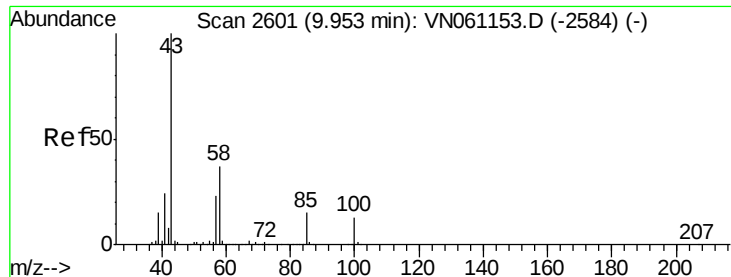
100 64.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.538 ug/l

RT: 10.06 min Scan# 2633

Delta R.T. 0.10 min

Lab File: VN061303.D

Acq: 6 May 2020 11:55

Instrument :

MSVOA_N

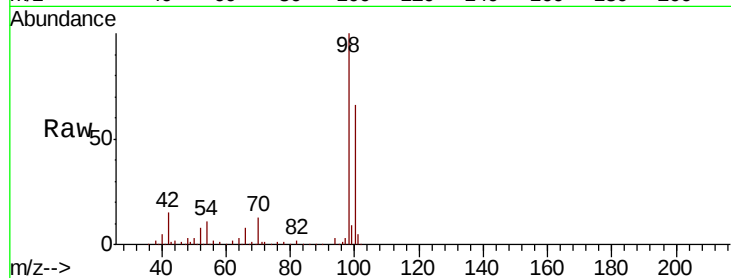
ClientSampleId :

Tot Ion: 43 Resp: 1065

Ion Ratio Lower Upper

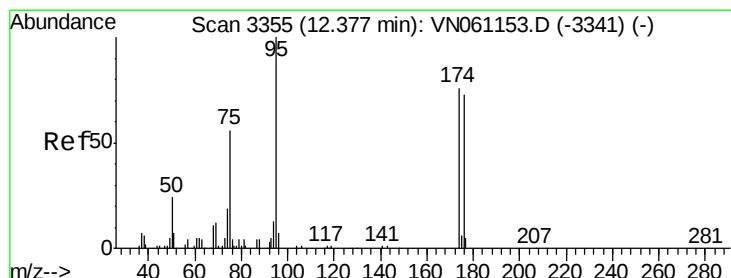
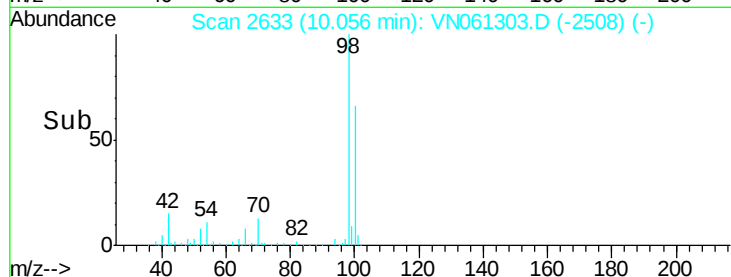
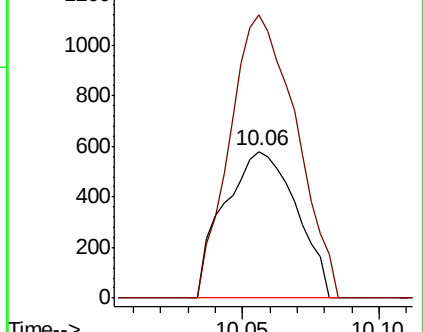
43 100

58 178.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)



#62

4-Bromofluorobenzene

Concen: 46.920 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061303.D

Acq: 6 May 2020 11:55

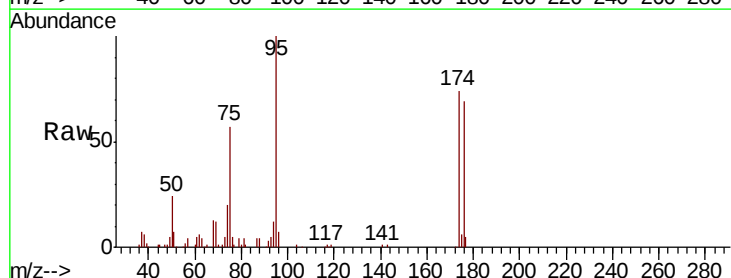
Tgt Ion: 95 Resp: 73560

Ion Ratio Lower Upper

95 100

174 73.2 0.0 149.4

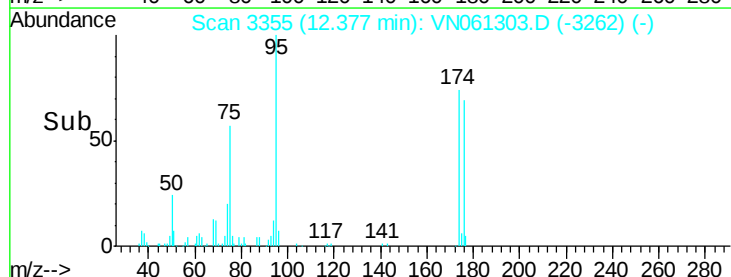
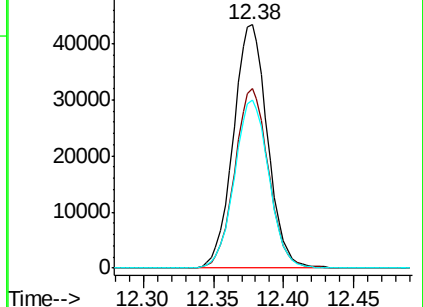
176 69.7 0.0 144.8

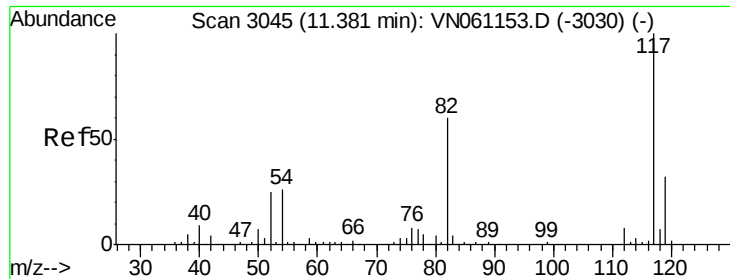


Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

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: VN061303.D

Acq: 6 May 2020 11:55

Instrument :

MSVOA_N

ClientSampled :

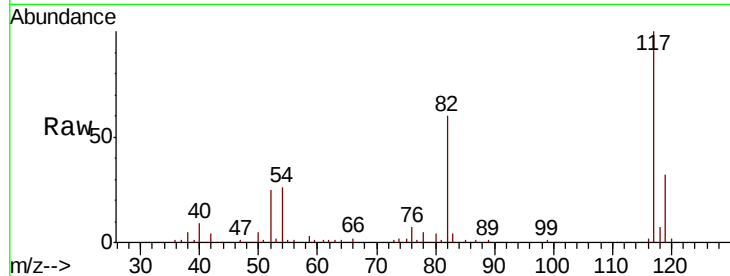
Tot Ion:117 Resp: 159568

Ion Ratio Lower Upper

117 100

82 60.3 47.8 71.8

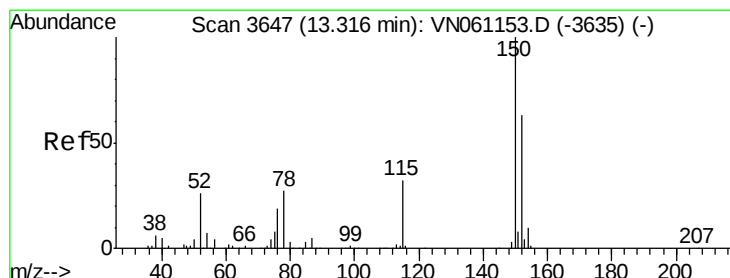
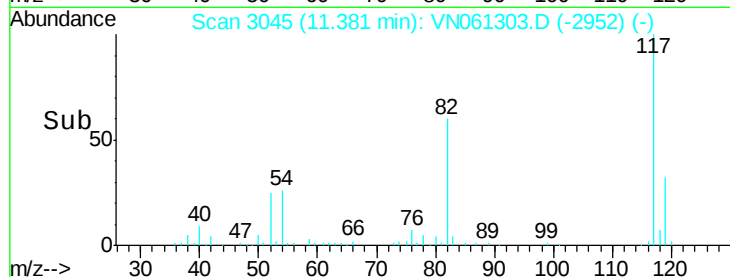
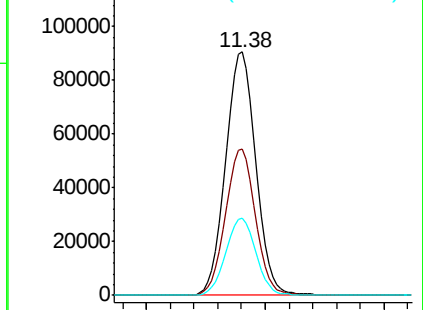
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN061303.D

Acq: 6 May 2020 11:55

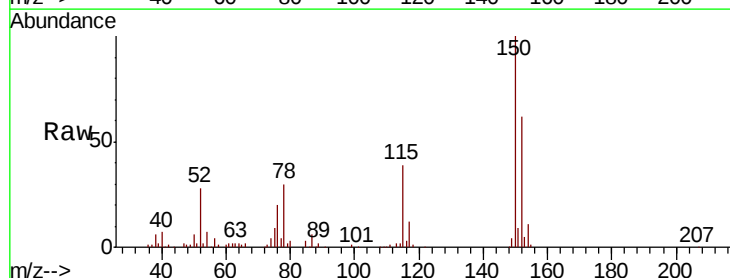
Tgt Ion:152 Resp: 60144

Ion Ratio Lower Upper

152 100

115 63.6 31.0 93.0

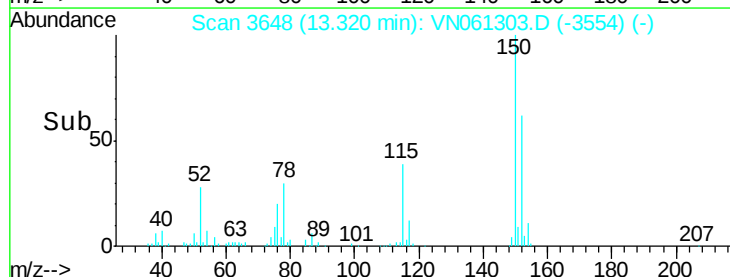
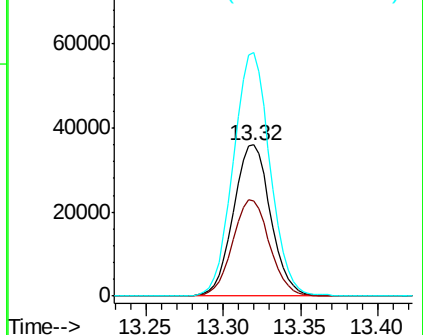
150 159.1 0.0 351.8

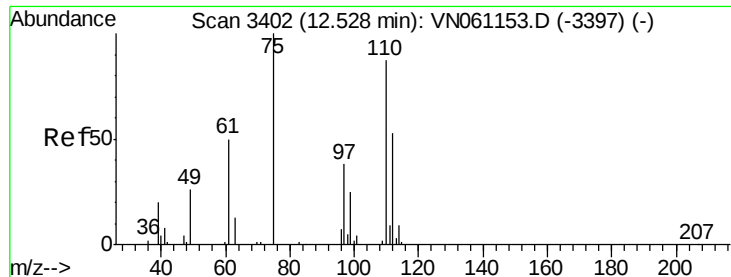


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

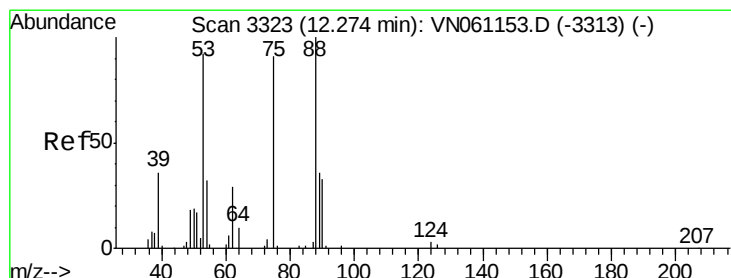
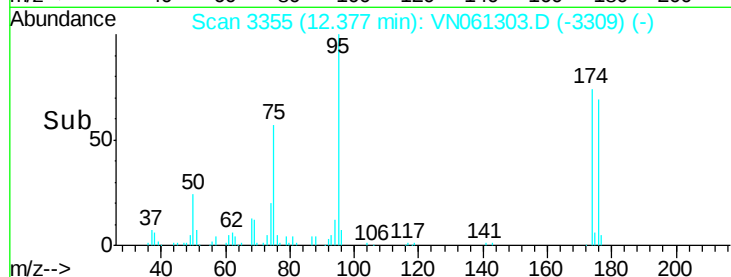
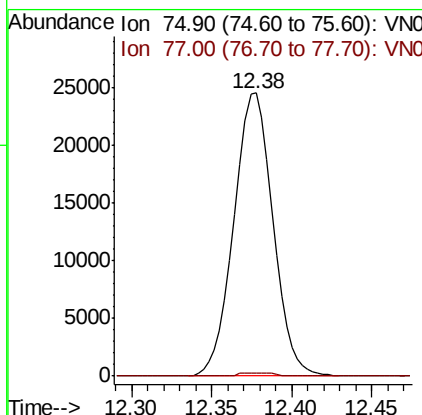
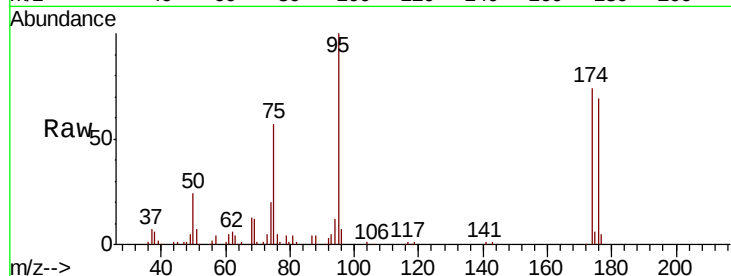




#76
 1,2,3-Trichloropropane
 Concen: 32.327 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

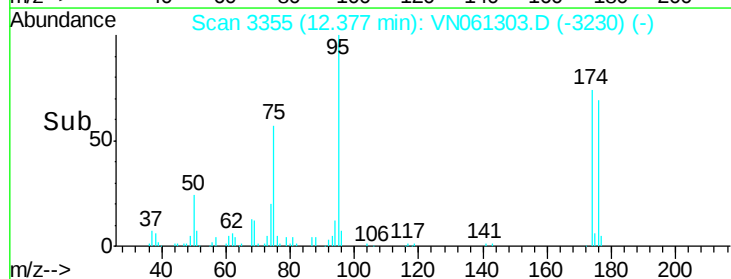
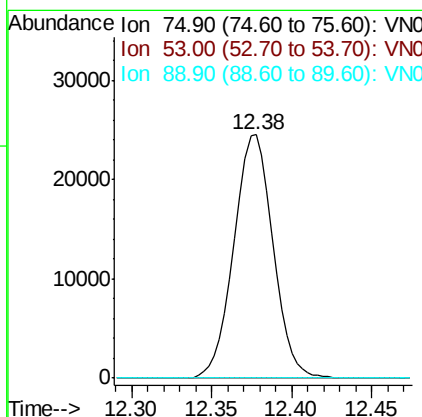
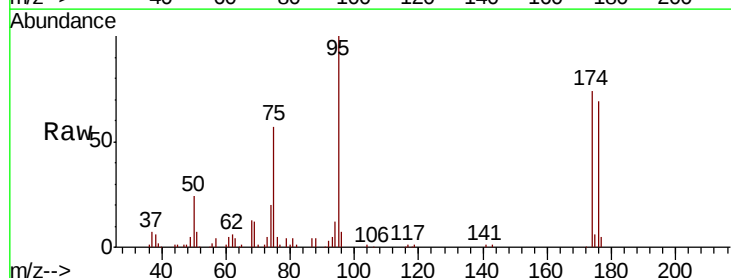
Instrument :
 MSVOA_N
 ClientSampled :

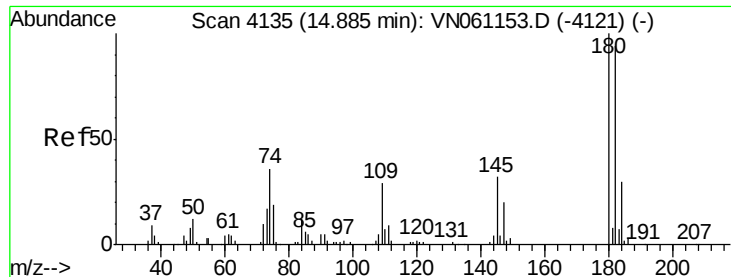
Tot Ion: 75 Resp: 40990
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.093 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

Tgt Ion: 75 Resp: 40990
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

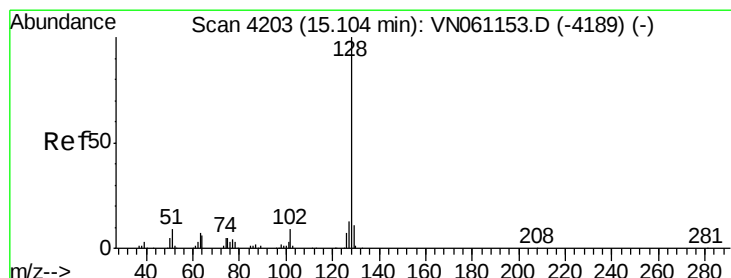
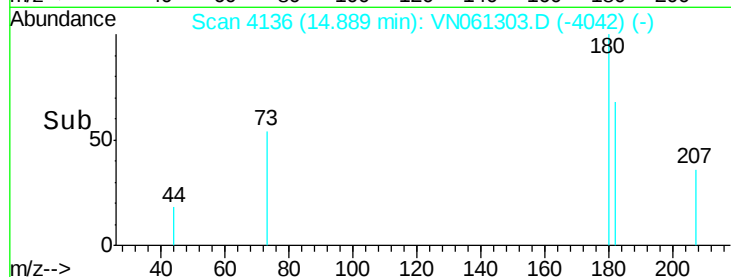
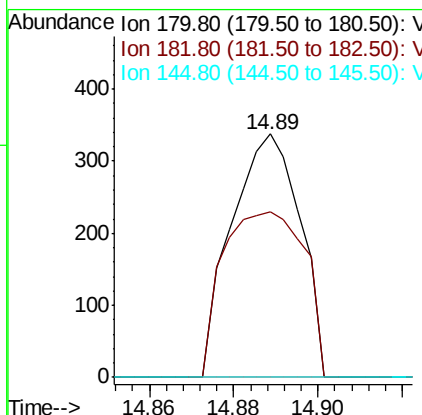
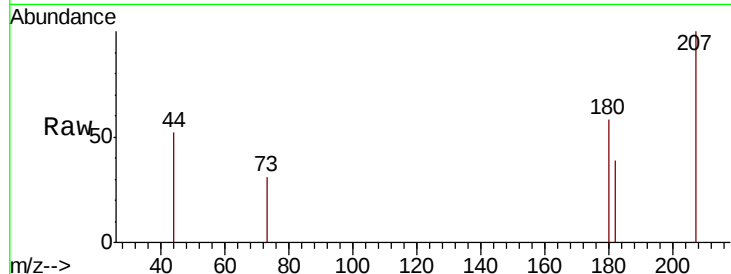




#93
 1,2,4-Trichlorobenzene
 Concen: 0.347 ug/l
 RT: 14.89 min Scan# 4136
 Delta R.T. 0.00 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

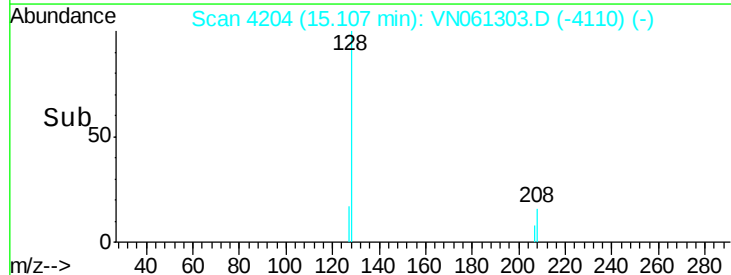
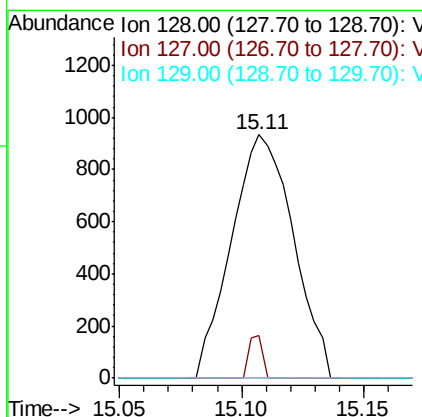
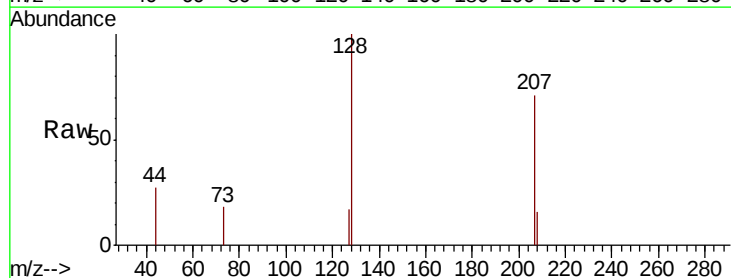
Instrument :
 MSVOA_N
 ClientSampled :

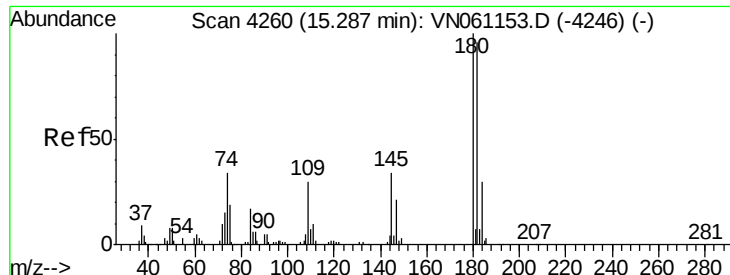
Tot Ion:180 Resp: 381
 Ion Ratio Lower Upper
 180 100
 182 81.1 47.3 141.9
 145 0.0 16.0 47.9#



#95
 Naphthalene
 Concen: 0.460 ug/l
 RT: 15.11 min Scan# 4204
 Delta R.T. 0.00 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

Tgt Ion:128 Resp: 1645
 Ion Ratio Lower Upper
 128 100
 127 3.7 10.4 15.6#
 129 0.0 8.7 13.1#

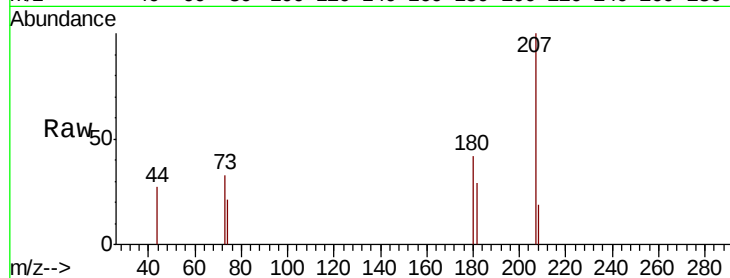




#96
 1,2,3-Trichlorobenzene
 Concen: 0.414 ug/l
 RT: 15.29 min Scan# 4260
 Delta R.T. 0.00 min
 Lab File: VN061303.D
 Acq: 6 May 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.5	47.5	142.5
145	0.0	16.9	50.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

