

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020620\
 Data File : VN060011.D
 Acq On : 6 Feb 2020 12:38
 Operator : JC/MD
 Sample : L1365-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-020520

Quant Time: Feb 06 16:57:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	116060	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.57	113	95268	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.08	98	379389	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.40	95	136226	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

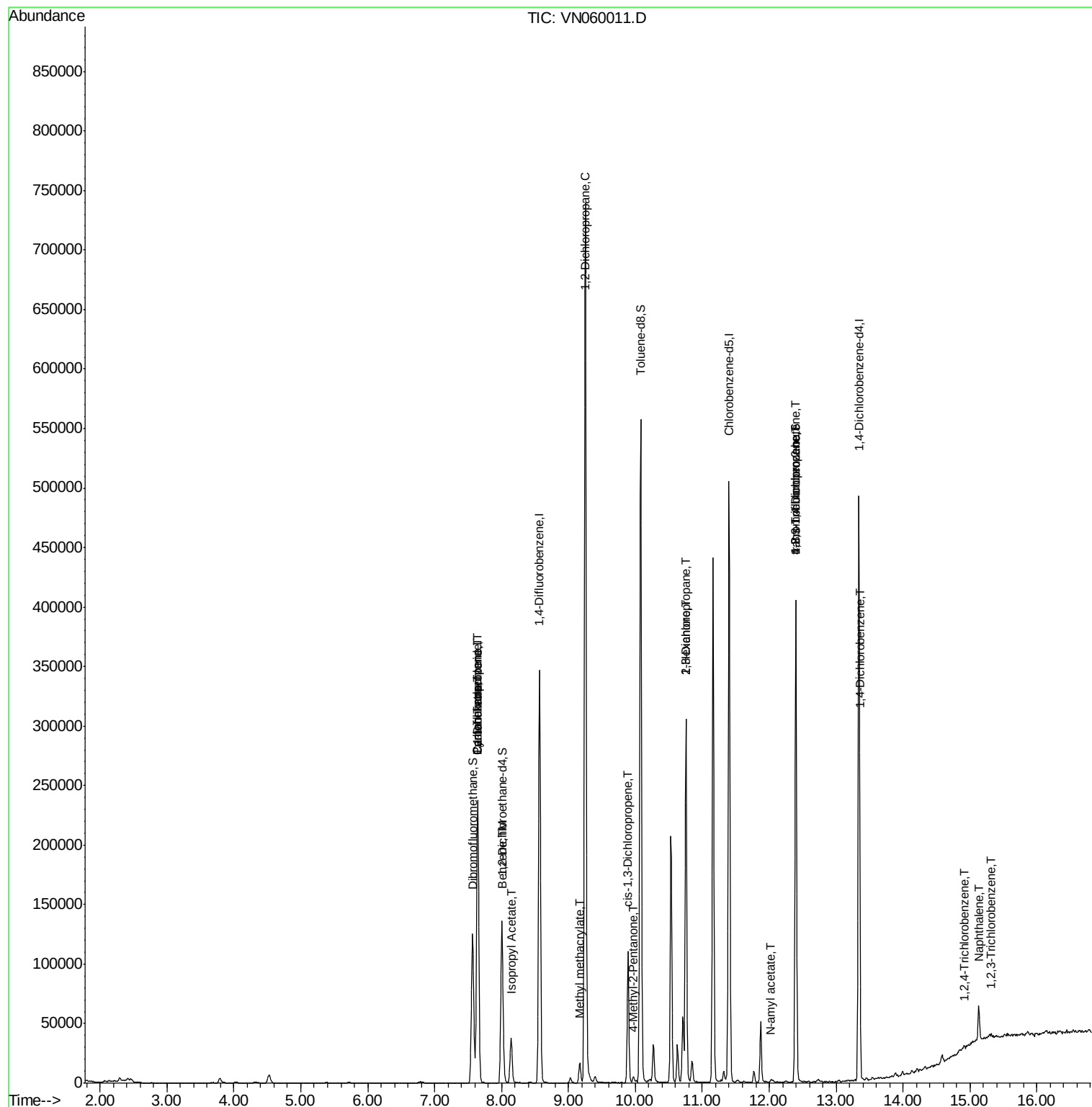
						Qvalue
16) Acetone	3.79	43	7490	Below Cal		98
31) Cyclohexane	7.64	56	4308	1.30 ug/l #		1
36) 1,1-Dichloropropene	7.64	75	14021	5.08 ug/l #		50
38) Carbon Tetrachloride	7.64	117	19070	6.35 ug/l #		16
40) Benzene	8.02	78	3344	0.41 ug/l #		88
43) Isopropyl Acetate	8.14	43	45115	10.13 ug/l #		91
45) 1,2-Dichloropropane	9.25	63	742	0.36 ug/l #		44
48) Methyl methacrylate	9.17	41	2464	1.24 ug/l #		13
51) 4-Methyl-2-Pentanone	9.97	43	3447	1.34 ug/l		95
54) cis-1,3-Dichloropropene	9.89	75	19952	5.86 ug/l #		59
57) 1,3-Dichloropropane	10.76	76	3376	1.03 ug/l #		42
59) 2-Hexanone	10.75	43	45364	23.91 ug/l #		54
74) N-amyl acetate	12.03	43	2713	0.72 ug/l #		45
76) 1,2,3-Trichloropropane	12.40	75	70297	31.74 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	70297	68.15 ug/l #		11
88) 1,4-Dichlorobenzene	13.36	146	1057	0.25 ug/l #		25
92) 1,2-Dibromo-3-Chloropropan	14.26	75	61	Below Cal #		6
93) 1,2,4-Trichlorobenzene	14.91	180	1000	0.40 ug/l		84
95) Naphthalene	15.13	128	25115	3.50 ug/l		100
96) 1,2,3-Trichlorobenzene	15.32	180	950	0.39 ug/l #		76

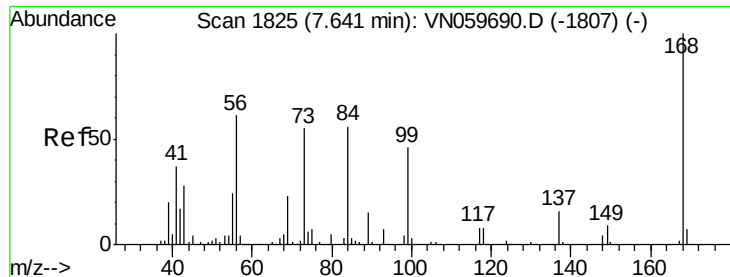
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

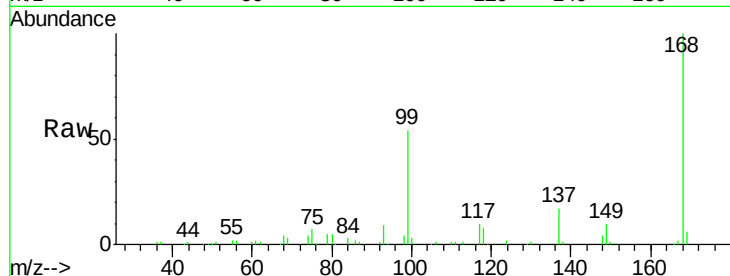
CL-01-020520

Tgt Ion:168 Resp: 200950

Ion Ratio Lower Upper

168 100

99 53.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

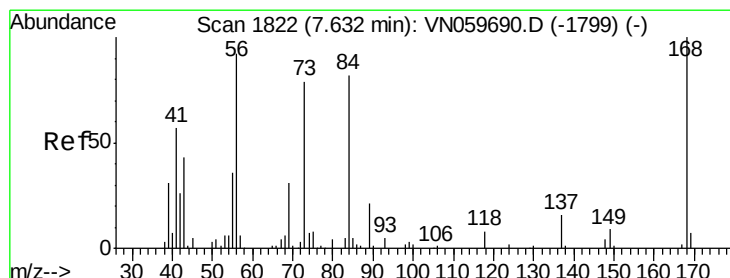
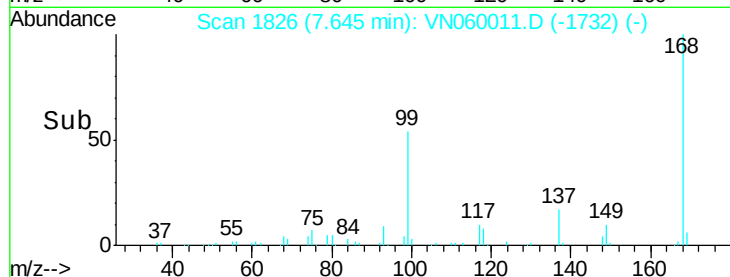
40000

20000

0

7.60 7.70 7.80

Time-->



#31

Cyclohexane

Concen: 1.30 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

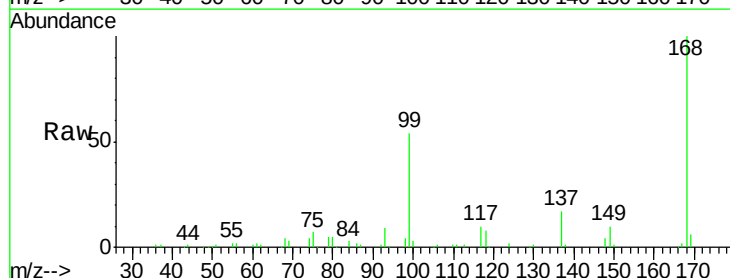
Tgt Ion: 56 Resp: 4308

Ion Ratio Lower Upper

56 100

69 162.5 26.5 39.7#

84 126.4 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

3000

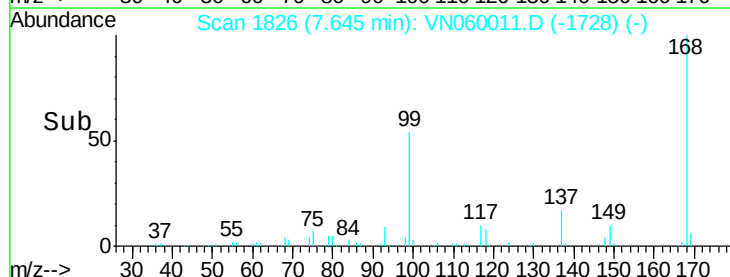
2000

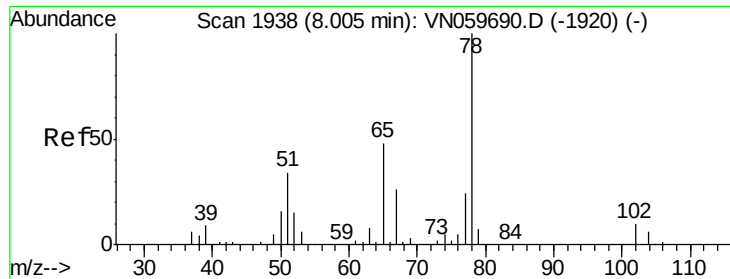
1000

0

7.60 7.65 7.70

Time-->

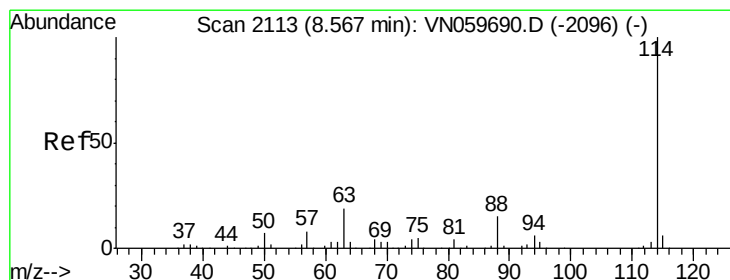
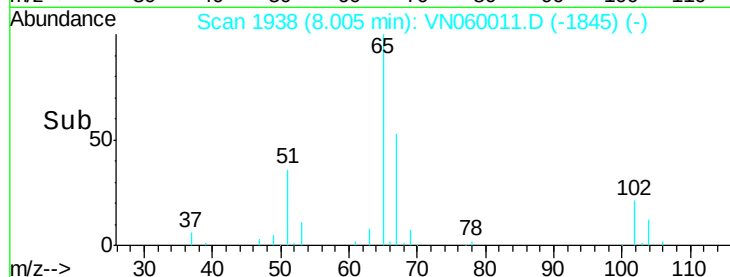
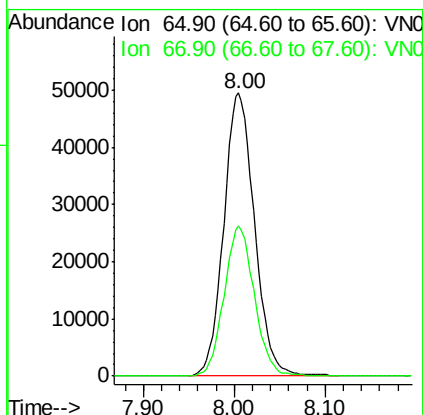
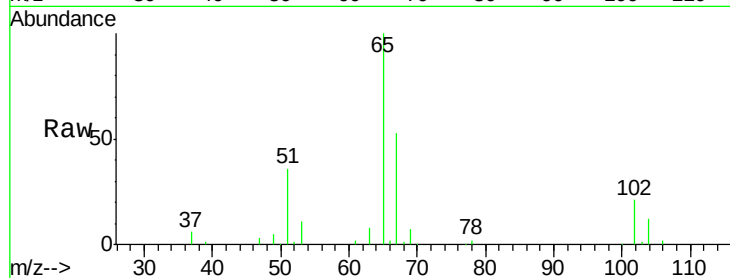




#33
 1,2-Dichloroethane-d4
 Concen: 52.01 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

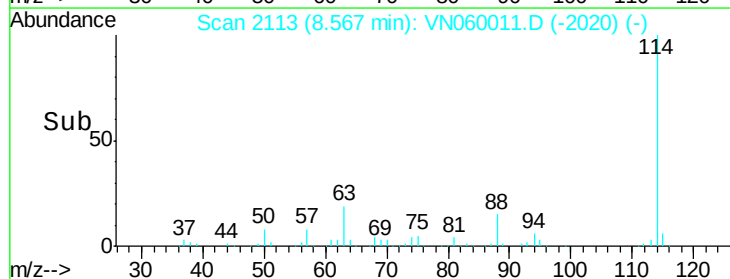
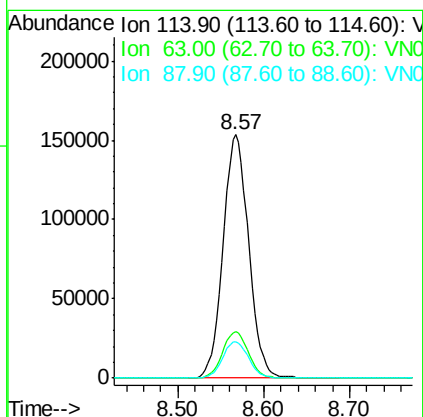
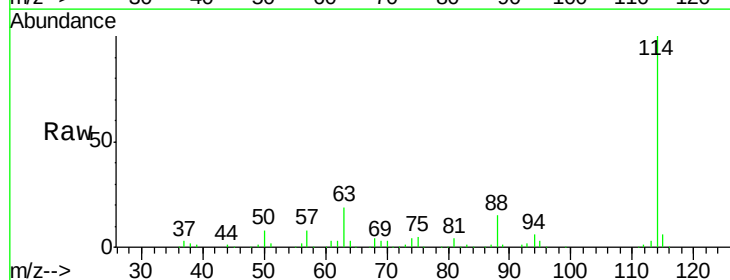
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-020520

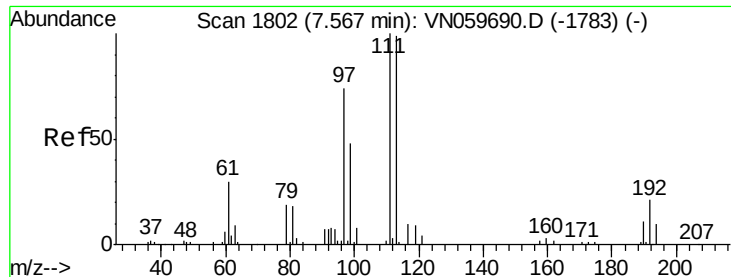
Tgt Ion: 65 Resp: 116060
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Tgt Ion: 114 Resp: 317144
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.6
 88 14.8 0.0 31.4

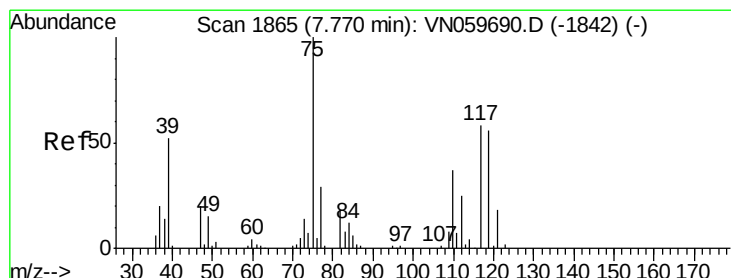
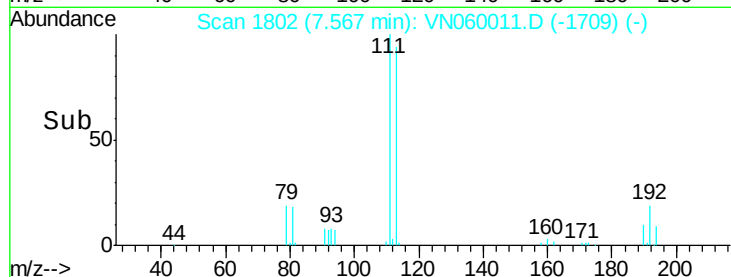
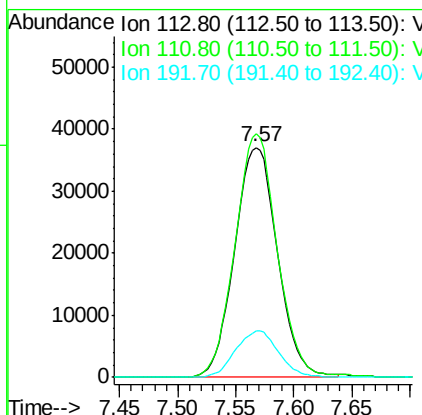
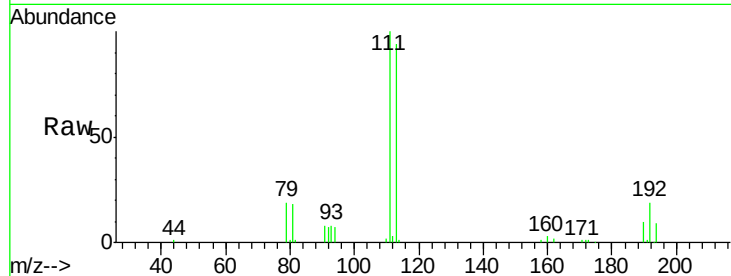




#35
 Dibromofluoromethane
 Concen: 50.37 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

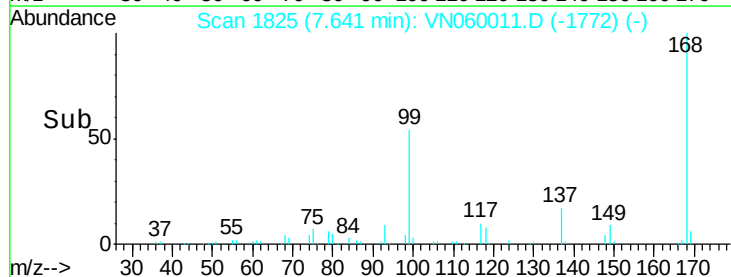
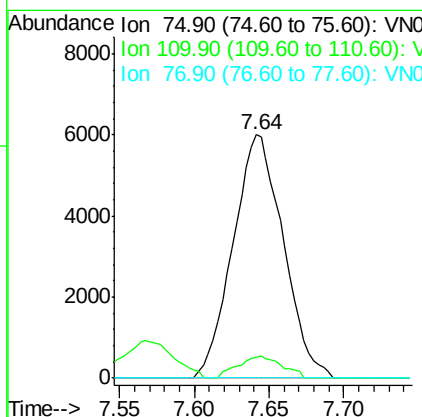
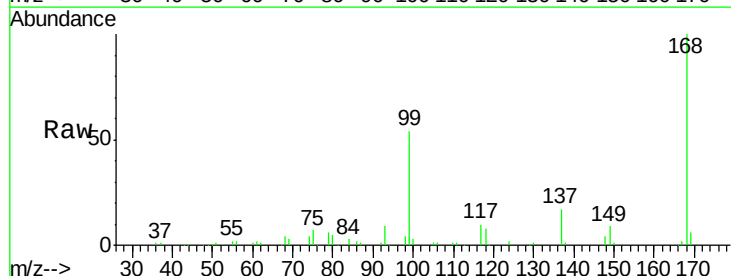
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-020520

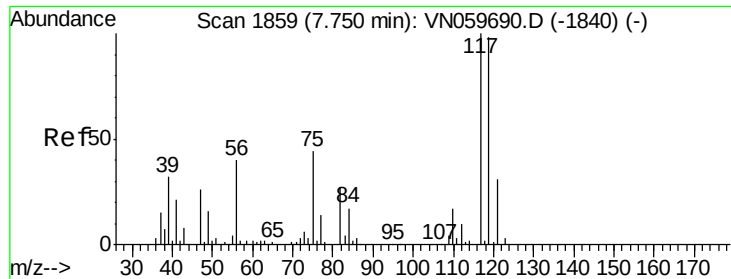
Tgt Ion: 113 Resp: 95268
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.5 125.3
 192 20.2 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.08 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Tgt Ion: 75 Resp: 14021
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.6 49.7#
 77 0.0 25.1 37.7#

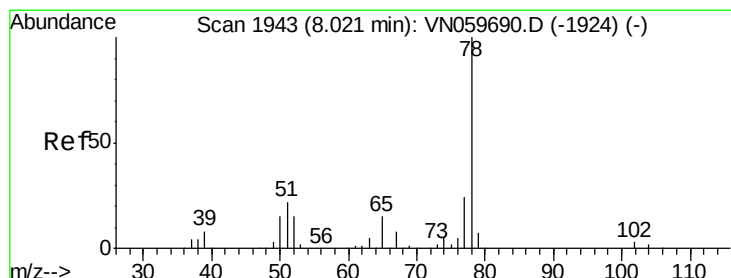
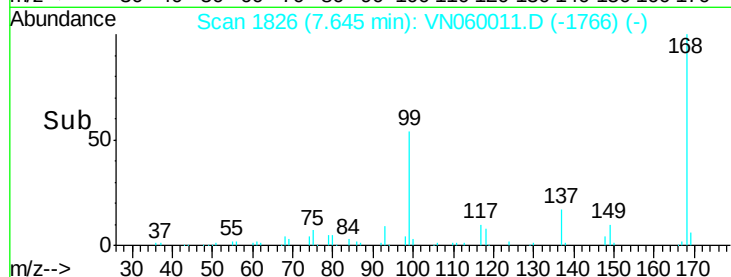
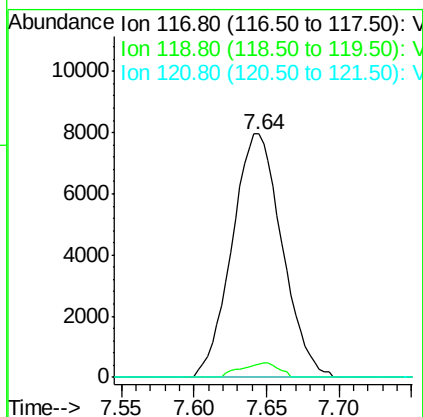
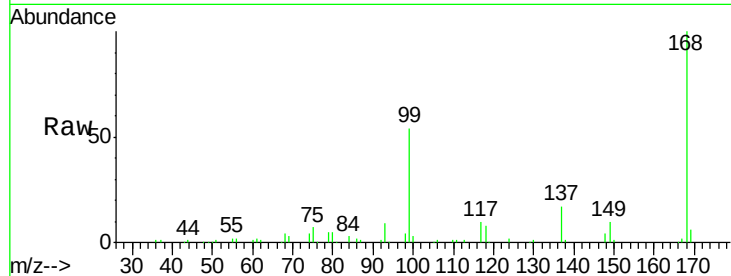




#38
Carbon Tetrachloride
Concen: 6.35 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

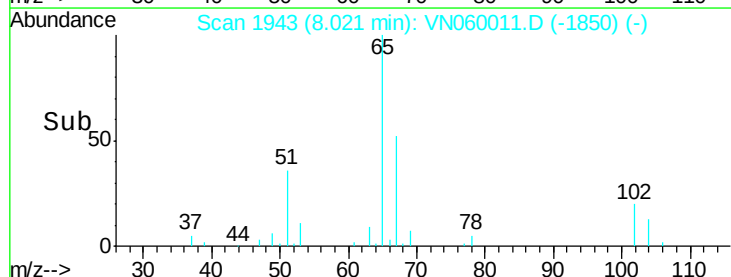
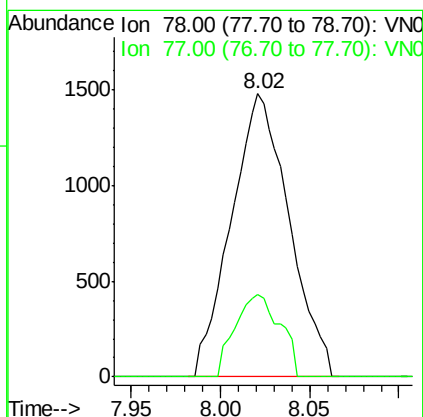
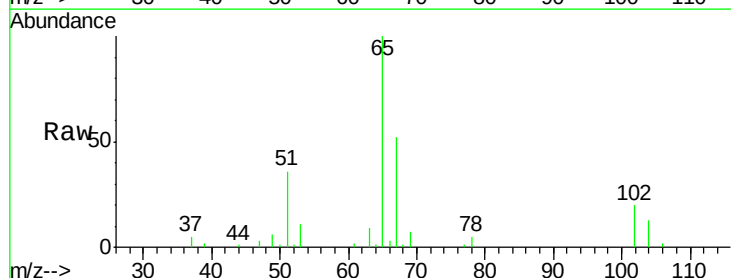
Instrument :
MSVOA_N
ClientSampled :
CL-01-020520

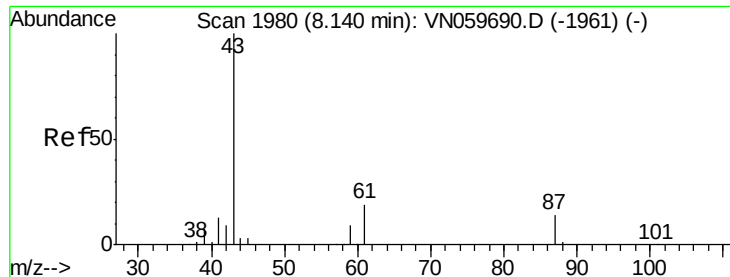
Tgt Ion: 117 Resp: 19070
Ion Ratio Lower Upper
117 100
119 5.3 76.5 114.7#
121 0.0 25.1 37.7#



#40
Benzene
Concen: 0.41 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

Tgt Ion: 78 Resp: 3344
Ion Ratio Lower Upper
78 100
77 29.3 18.9 28.3#





#43

Isopropyl Acetate

Concen: 10.13 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

CL-01-020520

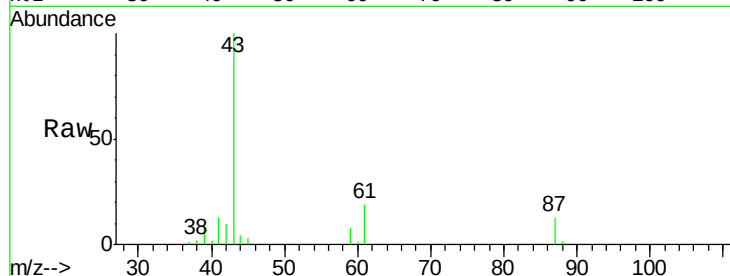
Tgt Ion: 43 Resp: 45115

Ion Ratio Lower Upper

43 100

61 19.8 20.2 30.2#

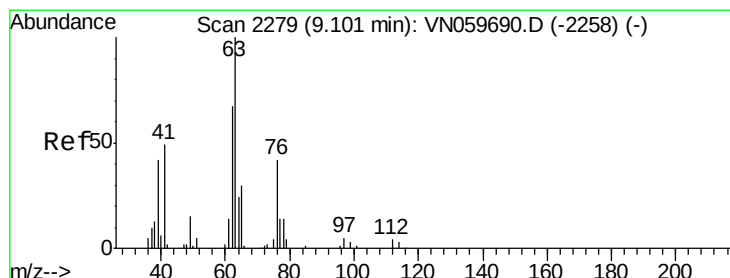
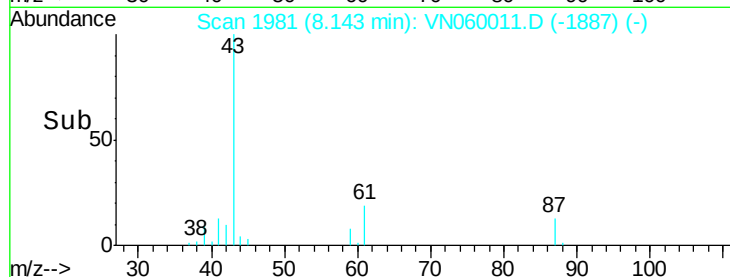
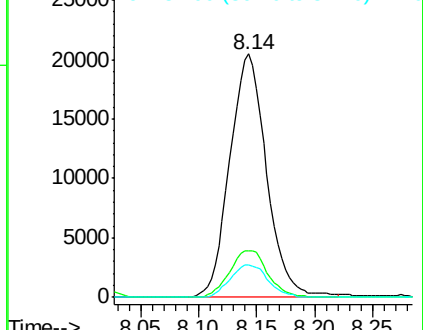
87 13.6 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.36 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060011.D

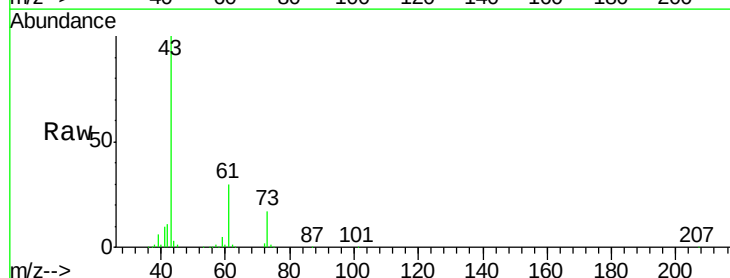
Acq: 6 Feb 2020 12:38

Tgt Ion: 63 Resp: 742

Ion Ratio Lower Upper

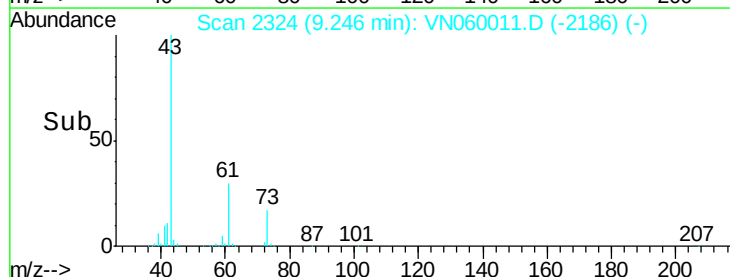
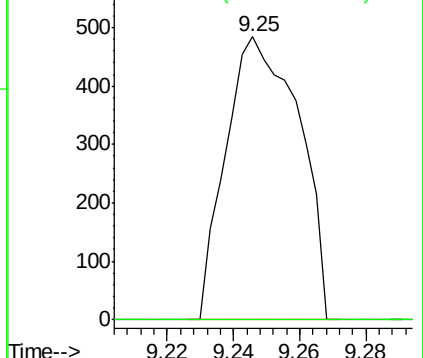
63 100

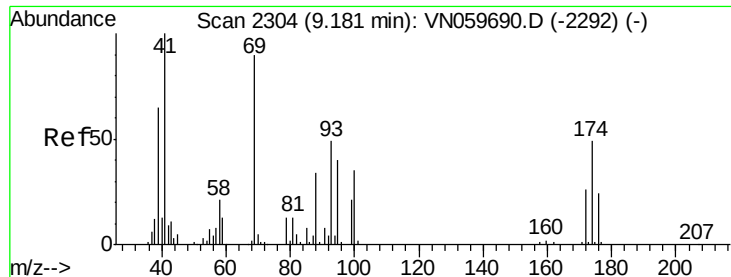
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

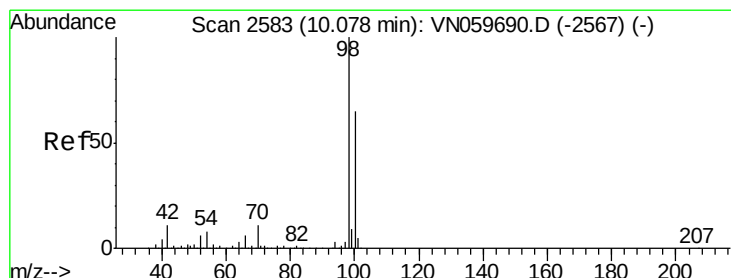
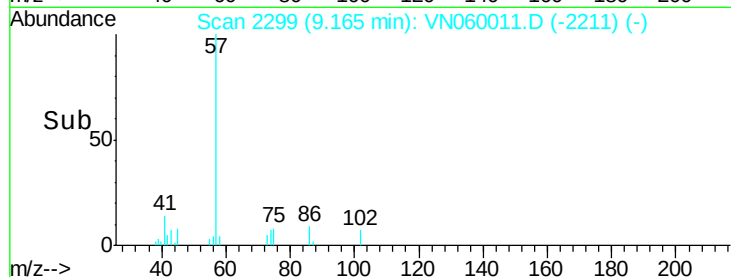
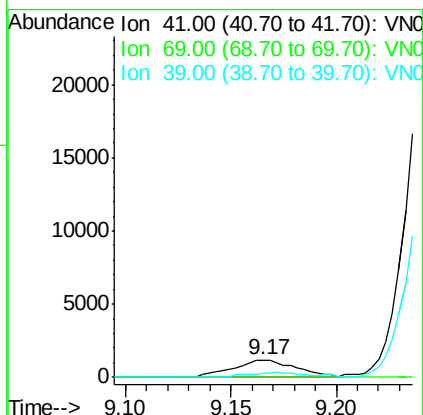
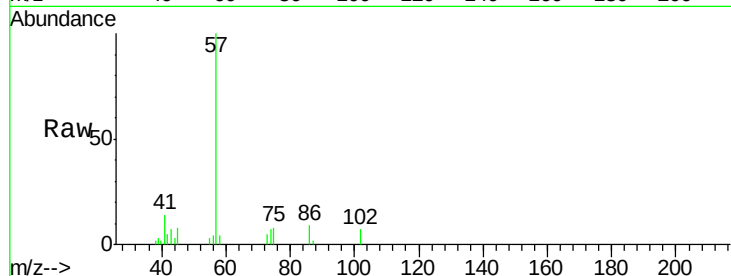




#48
Methyl methacrylate
Concen: 1.24 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

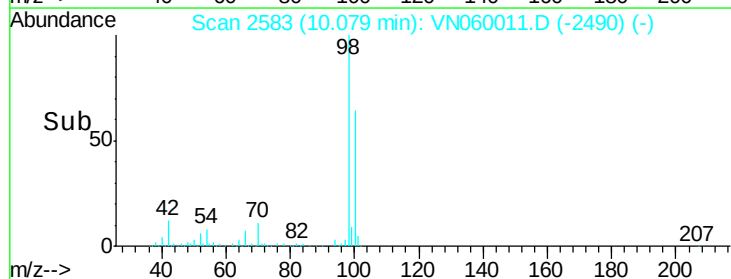
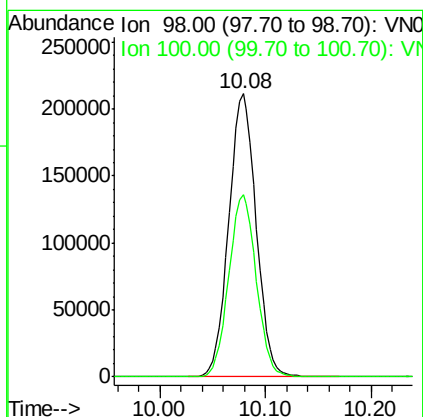
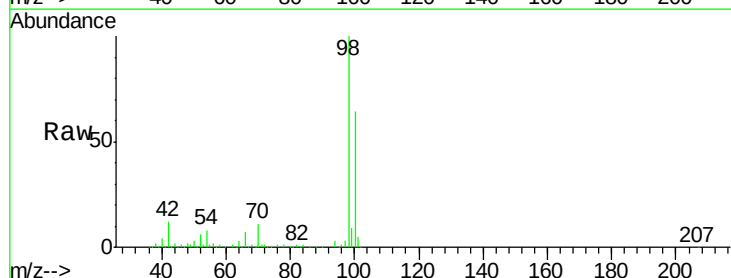
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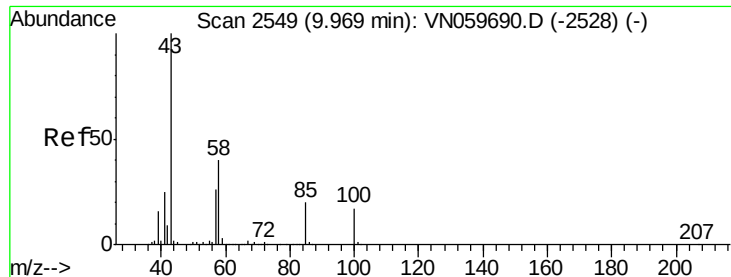
Tgt Ion: 41 Resp: 2464
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.77 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

Tgt Ion: 98 Resp: 379389
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8

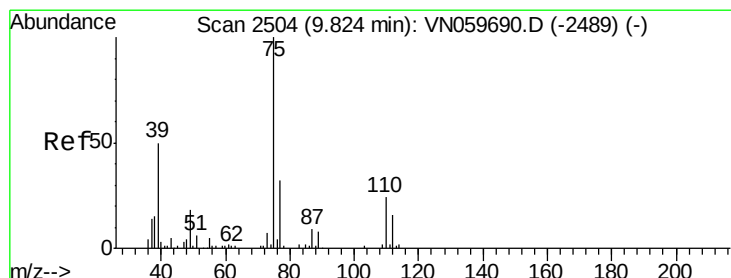
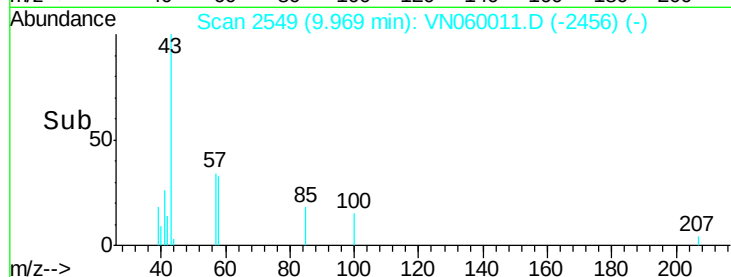
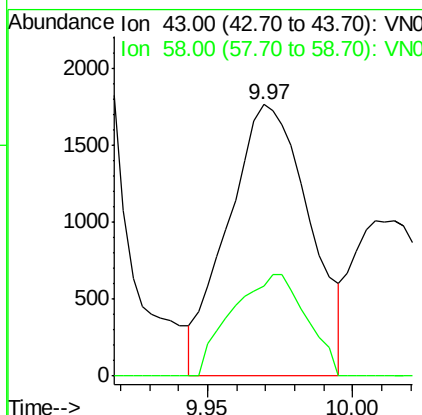
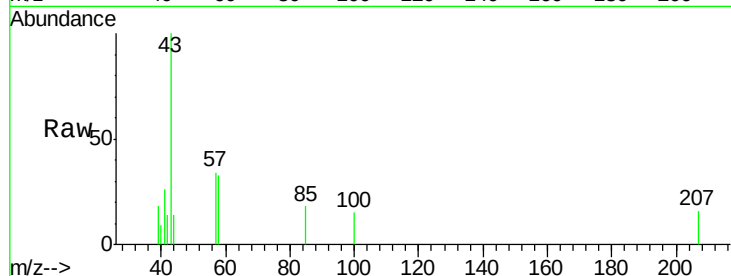




#51
4-Methyl-2-Pentanone
Concen: 1.34 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

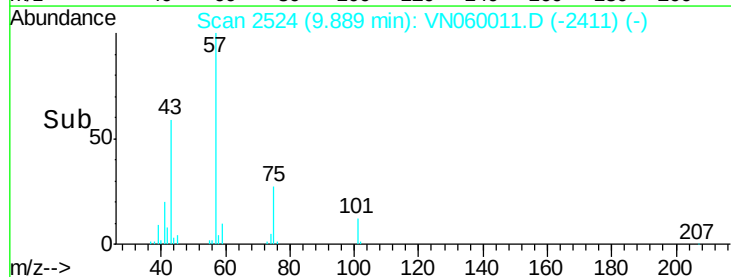
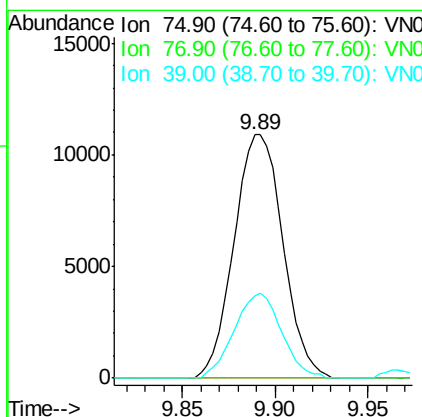
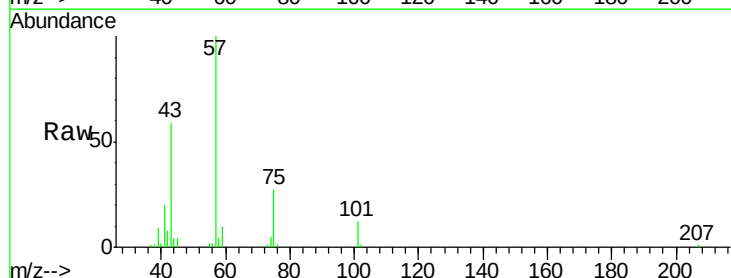
Instrument :
MSVOA_N
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CL-01-020520

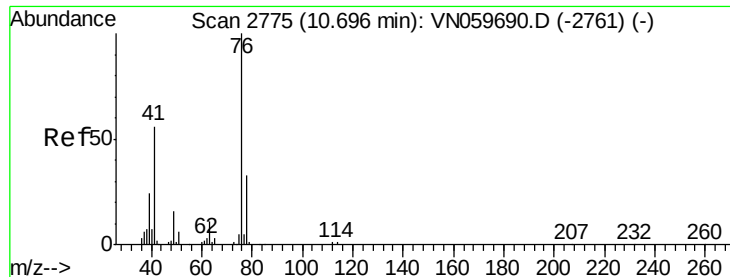
Tgt Ion: 43 Resp: 3447
Ion Ratio Lower Upper
43 100
58 34.3 29.8 44.8



#54
cis-1,3-Dichloropropene
Concen: 5.86 ug/l
RT: 9.89 min Scan# 2524
Delta R.T. 0.06 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

Tgt Ion: 75 Resp: 19952
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 33.9 46.1 69.1#

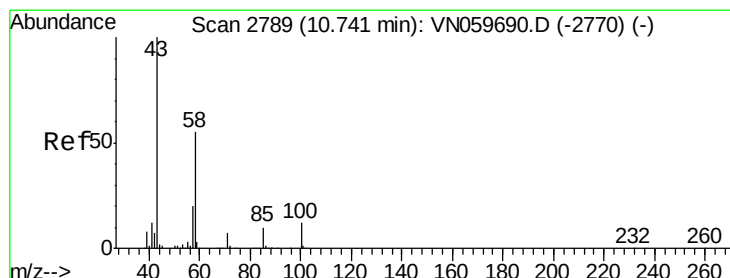
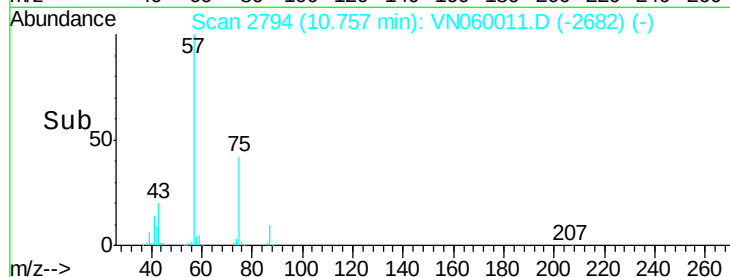
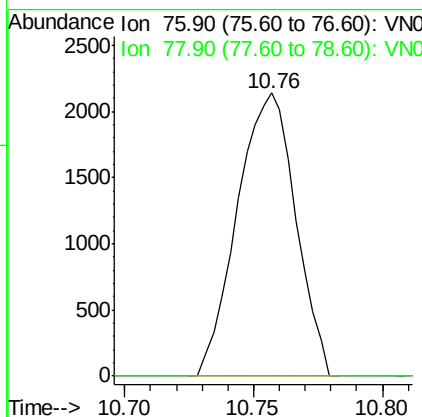
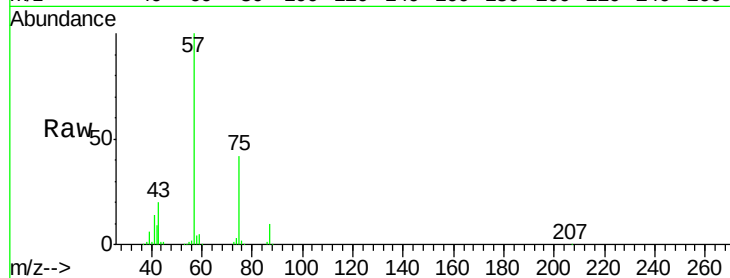




#57
 1,3-Dichloropropane
 Concen: 1.03 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

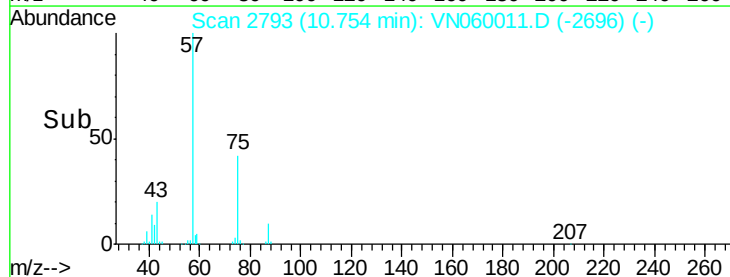
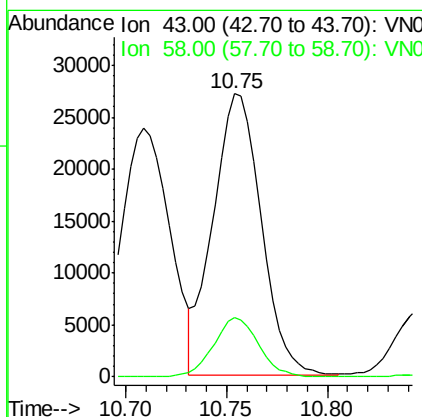
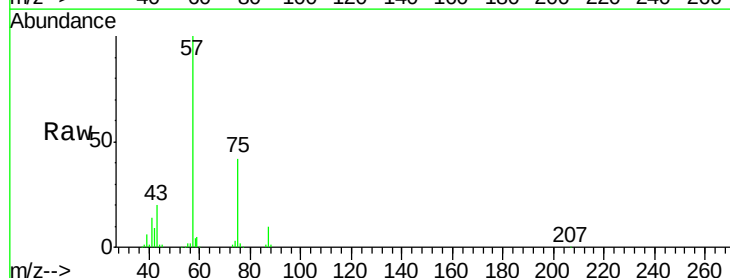
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-020520

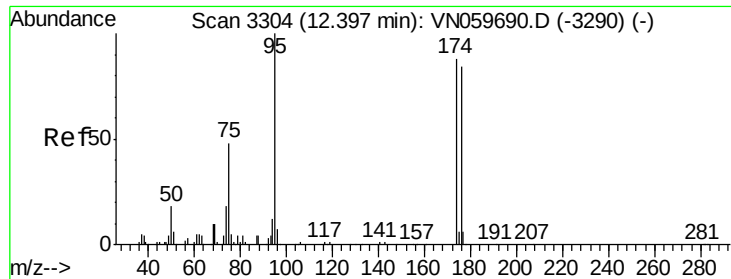
Tgt Ion: 76 Resp: 3376
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 23.91 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Tgt Ion: 43 Resp: 45364
 Ion Ratio Lower Upper
 43 100
 58 19.6 25.8 77.3#

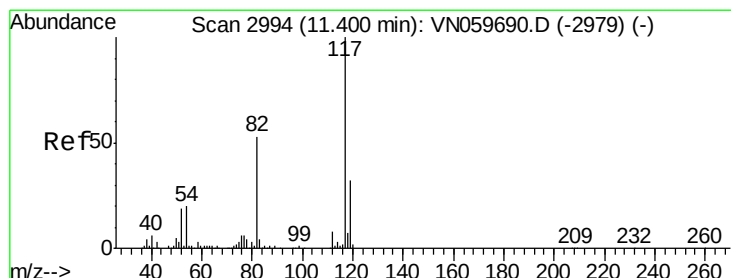
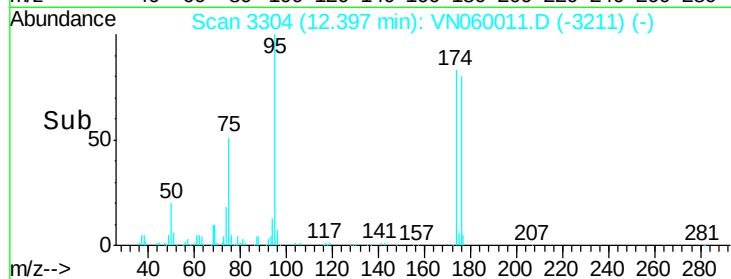
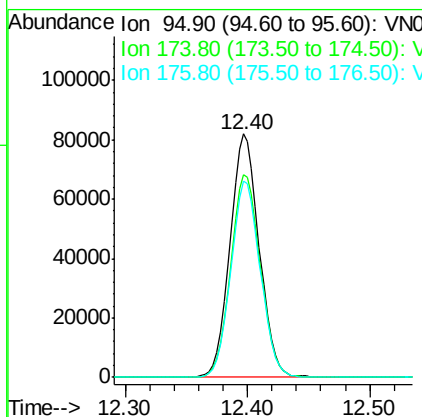
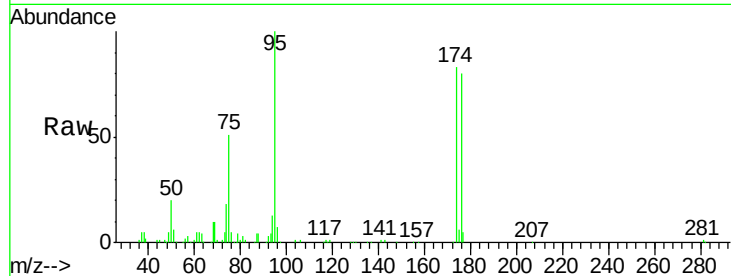




#62
4-Bromofluorobenzene
Concen: 51.57 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

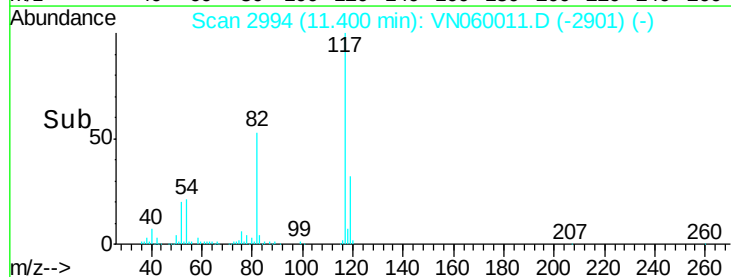
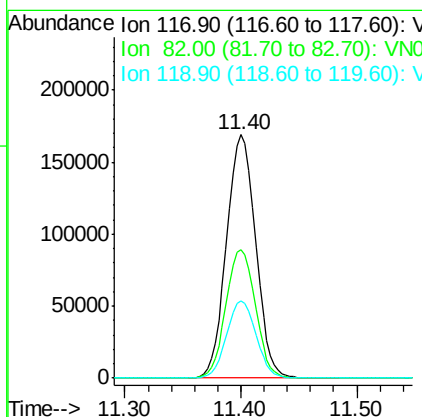
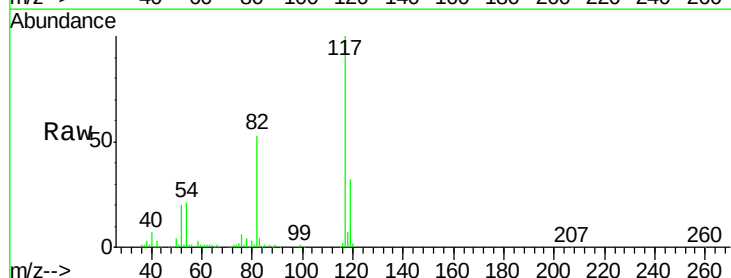
Instrument :
MSVOA_N
ClientSampled :
CL-01-020520

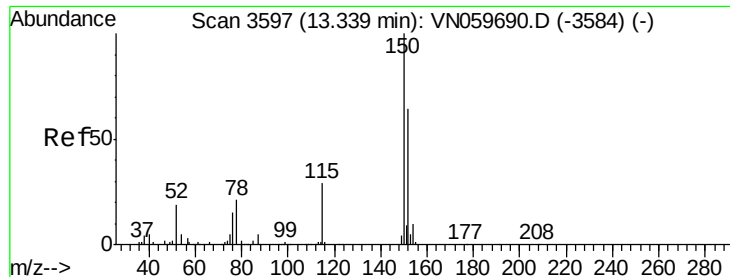
Tgt Ion: 95 Resp: 136226
Ion Ratio Lower Upper
95 100
174 84.8 0.0 151.4
176 81.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060011.D
Acq: 6 Feb 2020 12:38

Tgt Ion: 117 Resp: 293674
Ion Ratio Lower Upper
117 100
82 52.9 45.9 68.9
119 31.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

CL-01-020520

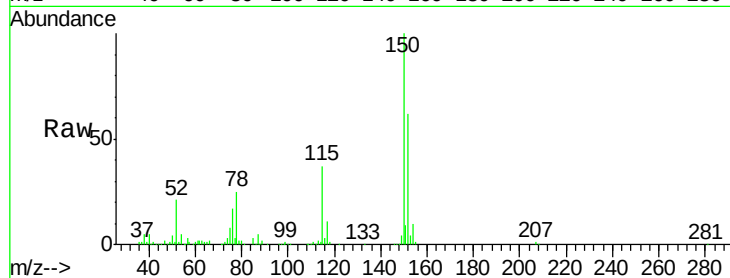
Tgt Ion:152 Resp: 131618

Ion Ratio Lower Upper

152 100

115 57.9 30.3 90.9

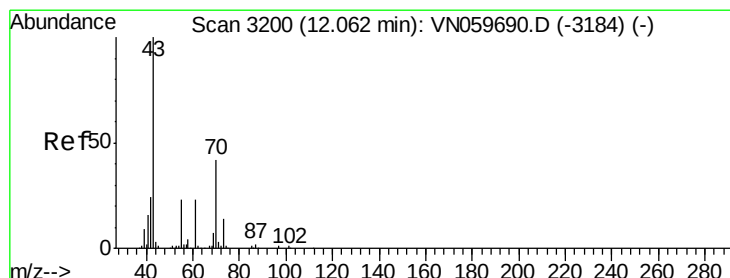
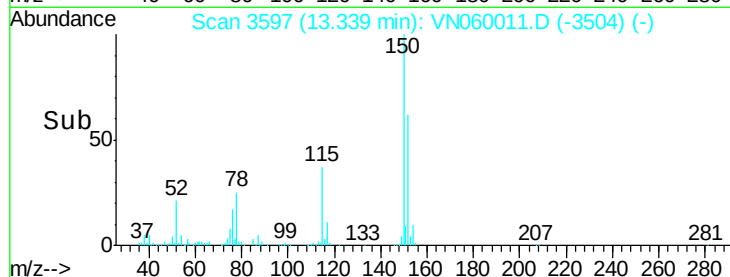
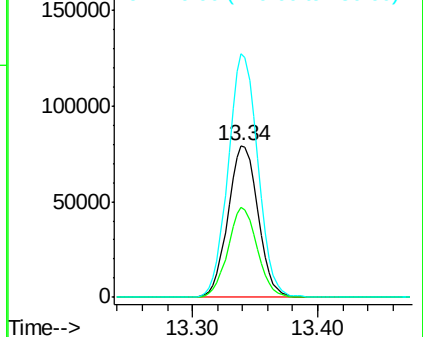
150 159.0 0.0 345.2



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



#74

N-amyl acetate

Concen: 0.72 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

Tgt Ion: 43 Resp: 2713

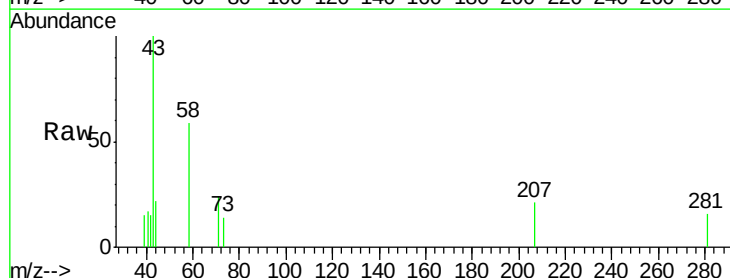
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

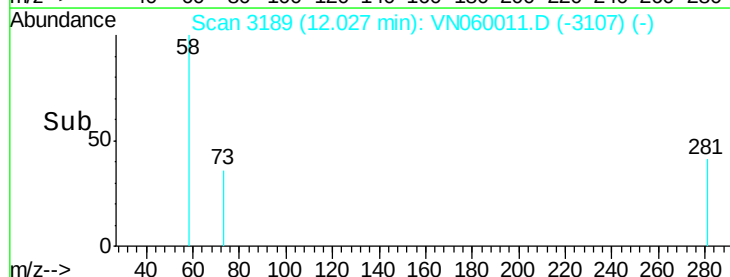
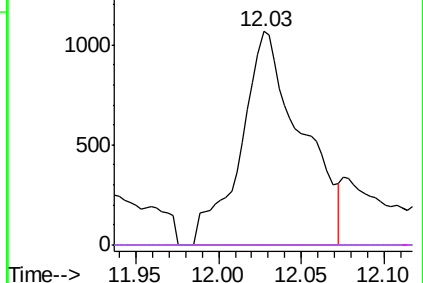


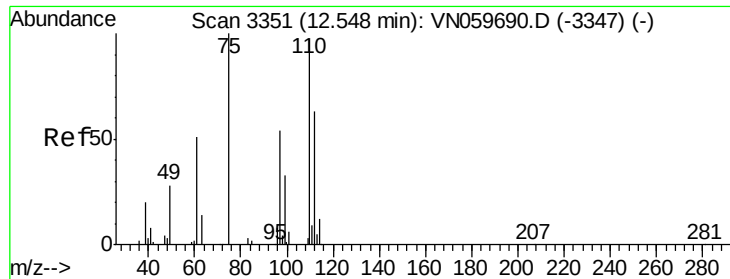
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 31.74 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

Instrument :

MSVOA_N

ClientSampleId :

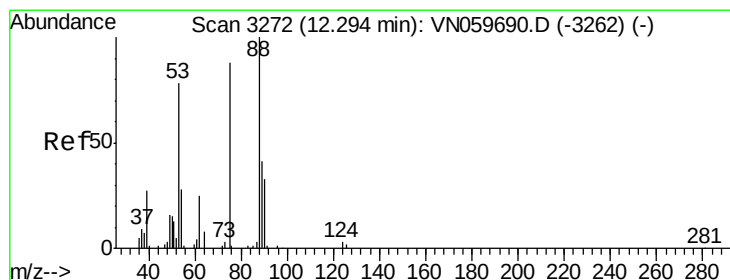
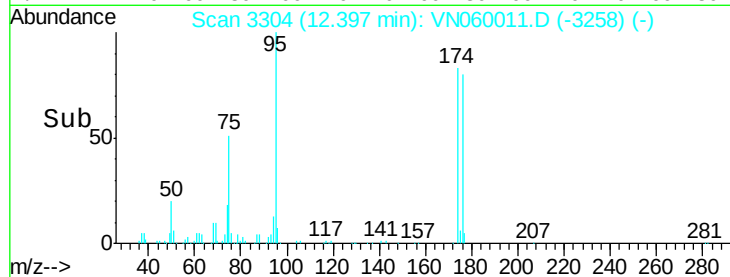
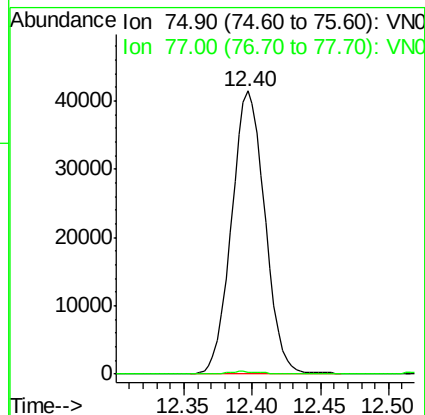
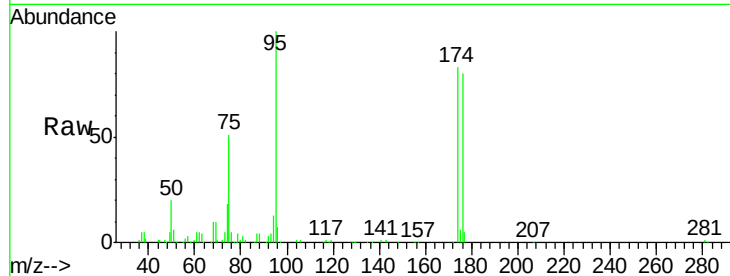
CL-01-020520

Tgt Ion: 75 Resp: 70297

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.15 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060011.D

Acq: 6 Feb 2020 12:38

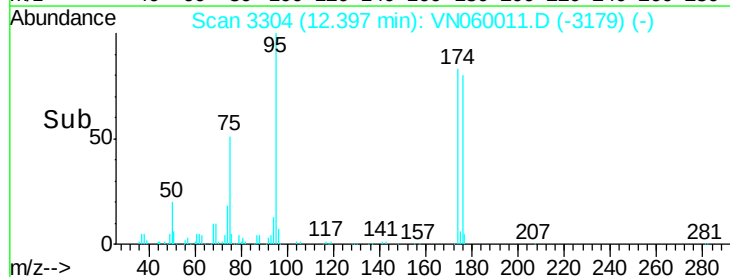
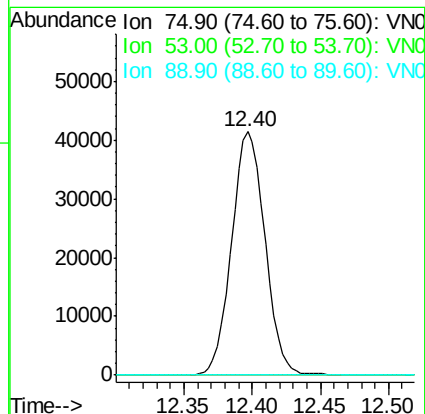
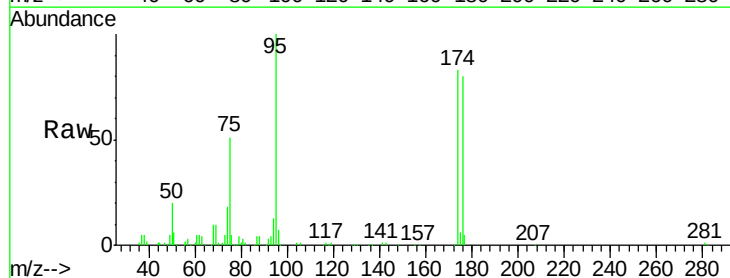
Tgt Ion: 75 Resp: 70297

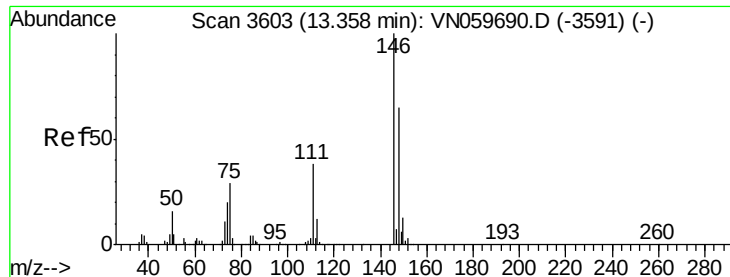
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#

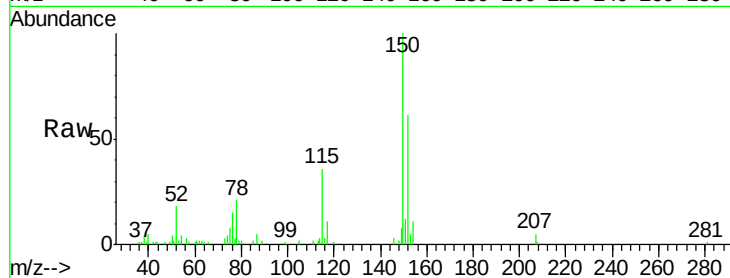




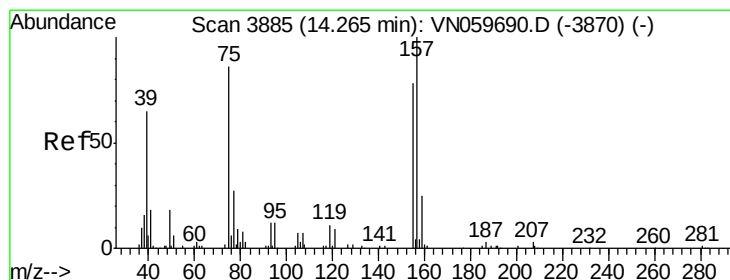
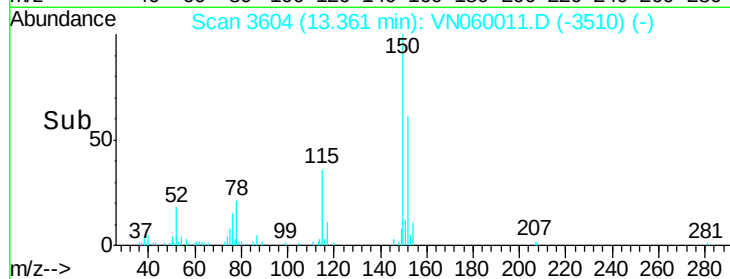
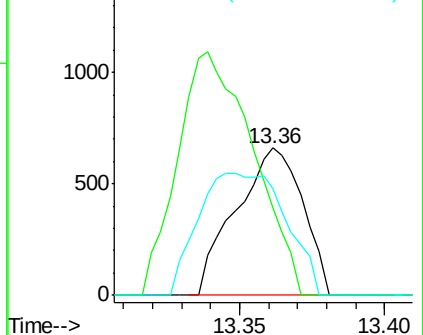
#88
 1,4-Dichlorobenzene
 Concen: 0.25 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 CL-01-020520

Tgt Ion: 146 Resp: 1057
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.2#
 148 0.0 31.8 95.4#

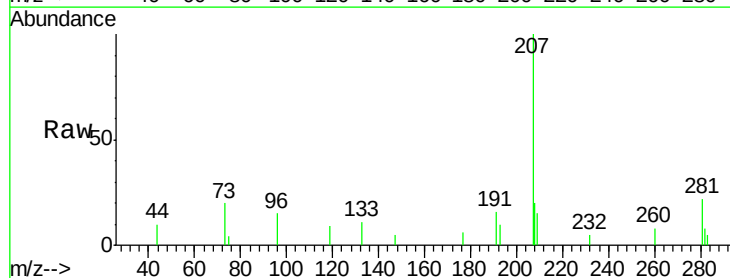


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

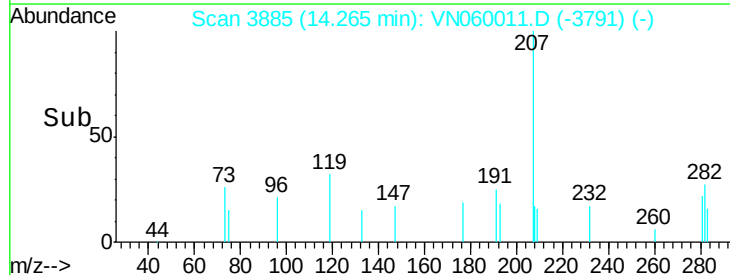
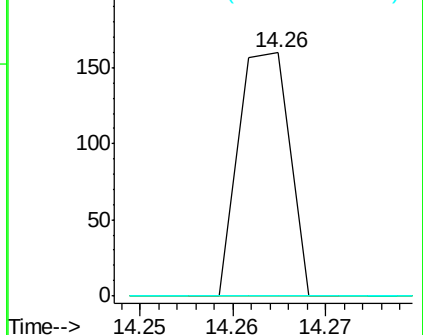


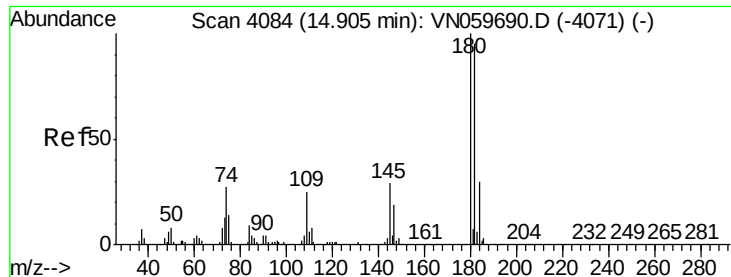
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Tgt Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

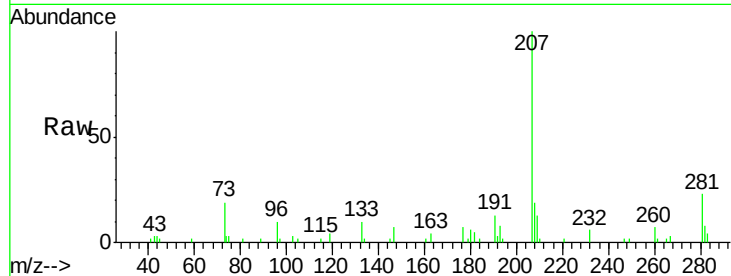




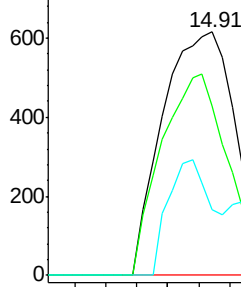
#93
 1,2,4-Trichlorobenzene
 Concen: 0.40 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 CL-01-020520

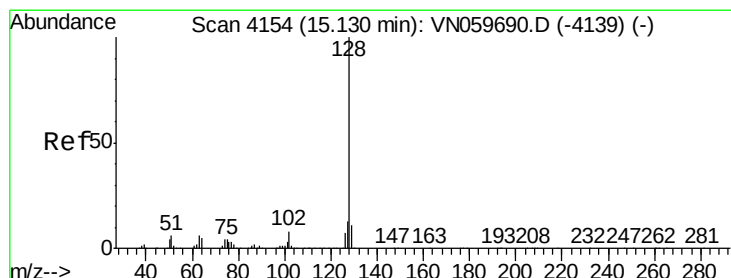
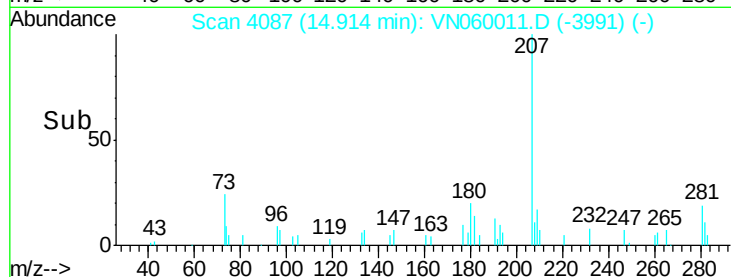
Tgt Ion:180 Resp: 1000
 Ion Ratio Lower Upper
 180 100
 182 73.5 46.9 140.7
 145 29.0 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

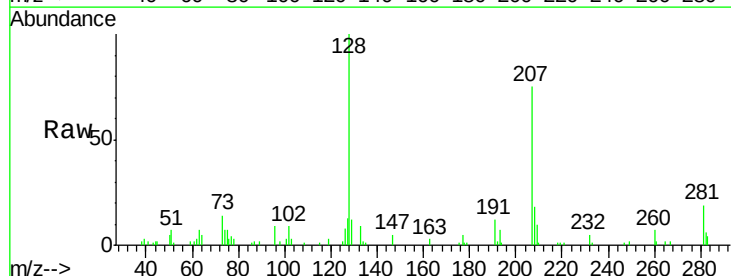


Time-->

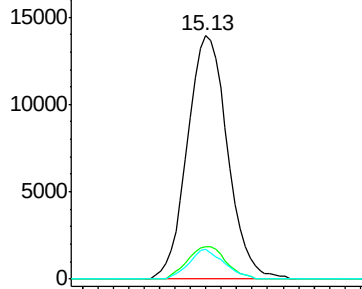


#95
 Naphthalene
 Concen: 3.50 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

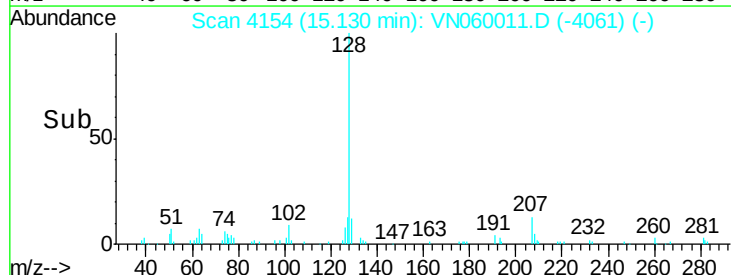
Tgt Ion:128 Resp: 25115
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.4 15.6
 129 10.7 8.6 12.8

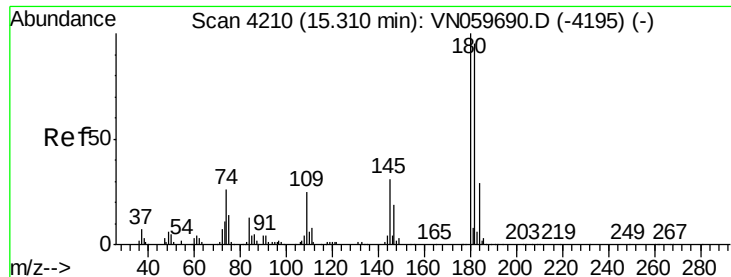


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.39 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN060011.D
 Acq: 6 Feb 2020 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-020520

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.3	47.4	142.3
145	62.4	16.3	48.9

