

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
 Data File : VN060196.D
 Acq On : 24 Feb 2020 9:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 24 15:47:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	187861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	292049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140972	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	108247	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	7.56	113	86647	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.08	98	336445	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	127332	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	91146	48.54	ug/l	99
3) Chloromethane	2.04	50	102437	45.84	ug/l	99
4) Vinyl Chloride	2.17	62	118260	46.43	ug/l	98
5) Bromomethane	2.54	94	73106	46.81	ug/l	98
6) Chloroethane	2.69	64	62231	48.30	ug/l	99
7) Trichlorofluoromethane	3.00	101	158924	48.39	ug/l	99
8) Diethyl Ether	3.39	74	54585	49.93	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91325	50.09	ug/l	99
10) Methyl Iodide	3.93	142	120290	49.14	ug/l	98
11) Tert butyl alcohol	4.72	59	74600	218.08	ug/l	98
12) 1,1-Dichloroethene	3.72	96	87220	49.11	ug/l	98
13) Acrolein	3.58	56	83028	245.55	ug/l	96
14) Allyl chloride	4.30	41	127654	48.83	ug/l	98
15) Acrylonitrile	4.94	53	209539	250.82	ug/l	100
16) Acetone	3.78	43	283188	284.01	ug/l	98
17) Carbon Disulfide	4.03	76	244435	45.66	ug/l	100
18) Methyl Acetate	4.29	43	98629	52.66	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	299152	50.08	ug/l	100
20) Methylene Chloride	4.52	84	98313	49.42	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	95433	49.29	ug/l	99
22) Diisopropyl ether	5.91	45	298040	52.02	ug/l	97
23) Vinyl Acetate	5.86	43	1230687	255.79	ug/l	100
24) 1,1-Dichloroethane	5.82	63	175512	50.57	ug/l	99
25) 2-Butanone	6.80	43	328470	261.93	ug/l	98
26) 2,2-Dichloropropane	6.80	77	166419	50.48	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	111687	49.29	ug/l	99
28) Bromochloromethane	7.17	49	68360	50.10	ug/l	99
29) Tetrahydrofuran	7.18	42	181962	236.52	ug/l	99
30) Chloroform	7.35	83	185092	50.91	ug/l	100
31) Cyclohexane	7.63	56	153588	47.50	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	168236	50.64	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137065	50.67	ug/l	100
37) Ethyl Acetate	6.89	43	118655	48.53	ug/l	98
38) Carbon Tetrachloride	7.75	117	148339	50.49	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	167086	49.76	ug/l	97
40) Benzene	8.02	78	404466	50.41	ug/l	100
41) Methacrylonitrile	7.18	41	173285	169.01	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	145440	51.71	ug/l	99
43) Isopropyl Acetate	8.14	43	211555	50.62	ug/l	99
44) Trichloroethene	8.82	130	112791	50.76	ug/l	98
45) 1,2-Dichloropropane	9.10	63	103557	52.13	ug/l	100
46) Dibromomethane	9.19	93	71900	51.22	ug/l	99
47) Bromodichloromethane	9.39	83	150393	52.69	ug/l	99
48) Methyl methacrylate	9.18	41	94093	50.18	ug/l	98
49) 1,4-Dioxane	9.18	88	30174	941.85	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	609725	252.06	ug/l	100
52) Toluene	10.14	92	265005	51.50	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	169711	52.68	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	178351	52.57	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	102434	51.03	ug/l	100
56) Ethyl methacrylate	10.42	69	148746	52.38	ug/l	98
57) 1,3-Dichloropropane	10.70	76	169749	51.25	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	272795	206.20	ug/l	100
59) 2-Hexanone	10.74	43	492244	263.43	ug/l	99
60) Dibromochloromethane	10.89	129	120840	52.46	ug/l	99
61) 1,2-Dibromoethane	10.99	107	107870	51.26	ug/l	100
64) Tetrachloroethene	10.62	164	106549	50.60	ug/l	99
65) Chlorobenzene	11.43	112	285070	50.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	111286	52.13	ug/l	99
67) Ethyl Benzene	11.50	91	524584	51.54	ug/l	100
68) m/p-Xylenes	11.62	106	396844	103.88	ug/l	99
69) o-Xylene	11.94	106	190485	51.79	ug/l	99
70) Styrene	11.96	104	314432	53.01	ug/l	100
71) Bromoform	12.12	173	90259	52.56	ug/l #	98
73) Isopropylbenzene	12.25	105	521766	49.56	ug/l	100
74) N-amyl acetate	12.06	43	190125	50.09	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	146273	48.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	198041	73.43	ug/l #	100
77) Bromobenzene	12.52	156	130146	49.82	ug/l	99
78) n-propylbenzene	12.59	91	599458	49.98	ug/l	100
79) 2-Chlorotoluene	12.67	91	348653	49.46	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	443586	50.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55853	50.70	ug/l	99
82) 4-Chlorotoluene	12.77	91	364649	50.42	ug/l	100
83) tert-Butylbenzene	12.99	119	378981	48.95	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	438039	50.70	ug/l	99
85) sec-Butylbenzene	13.17	105	515593	50.28	ug/l	100
86) p-Isopropyltoluene	13.28	119	477179	51.36	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	236597	51.16	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	236449	51.14	ug/l	99
89) n-Butylbenzene	13.61	91	423333	51.80	ug/l	100
90) Hexachloroethane	13.87	117	87379	50.34	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	227006	50.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30097	46.66	ug/l	97

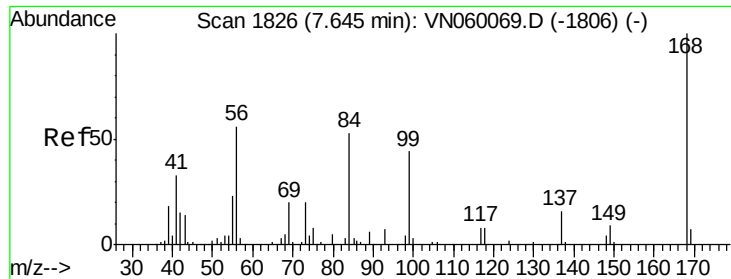
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139084	52.30	ug/l	99
94) Hexachlorobutadiene	15.01	225	78935	50.71	ug/l	100
95) Naphthalene	15.13	128	339150	47.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	131109	49.51	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

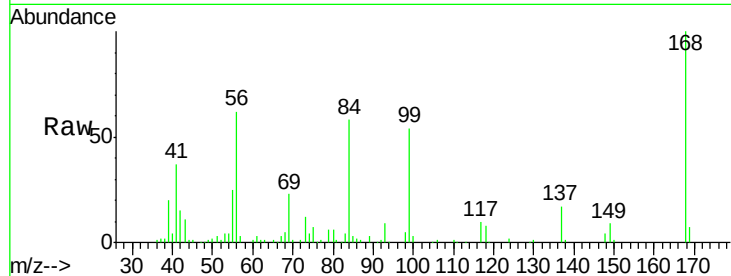
VSTDCCC050

Tgt Ion: 168 Resp: 187861

Ion Ratio Lower Upper

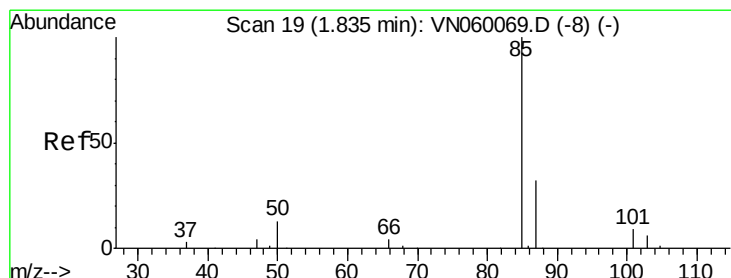
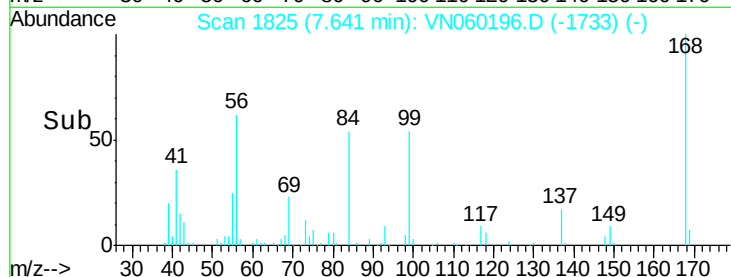
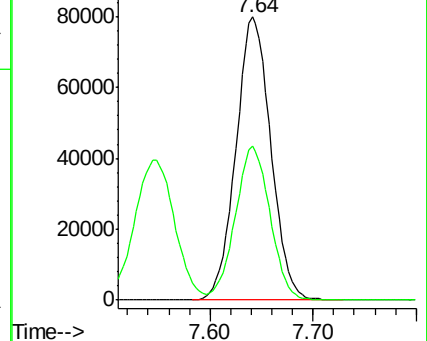
168 100

99 54.3 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.54 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060196.D

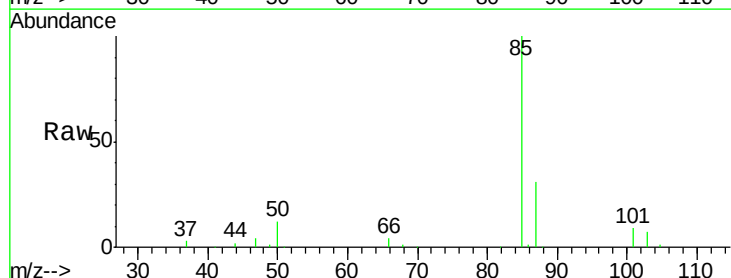
Acq: 24 Feb 2020 9:20

Tgt Ion: 85 Resp: 91146

Ion Ratio Lower Upper

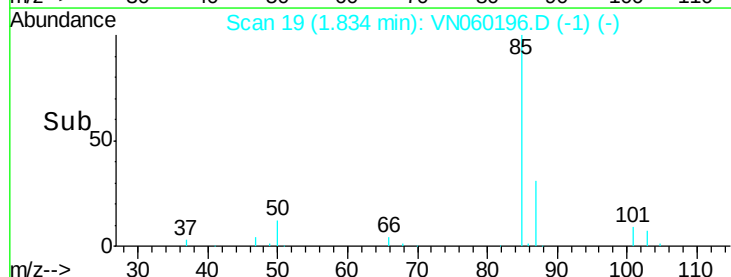
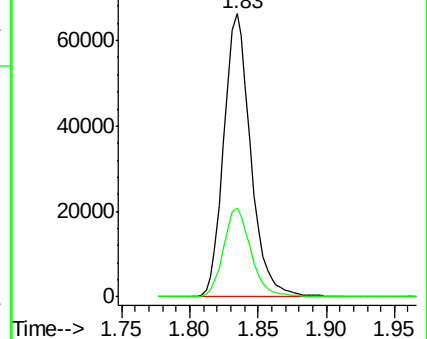
85 100

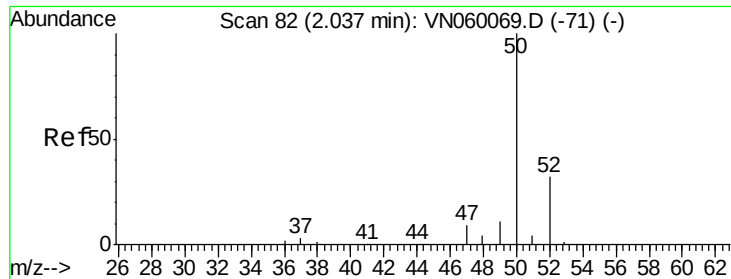
87 31.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.84 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

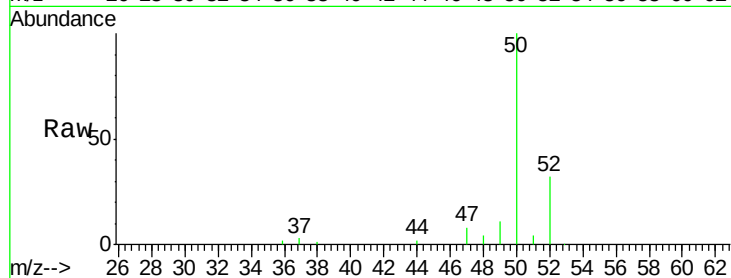
VSTDCCC050

Tgt Ion: 50 Resp: 102437

Ion Ratio Lower Upper

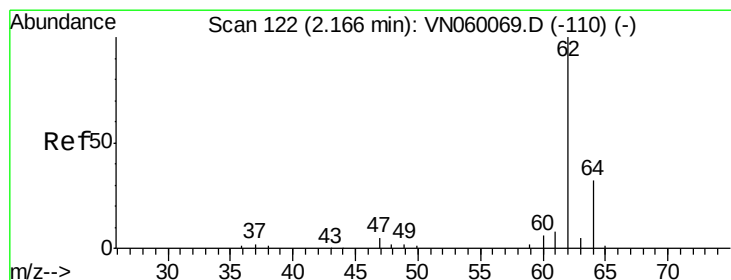
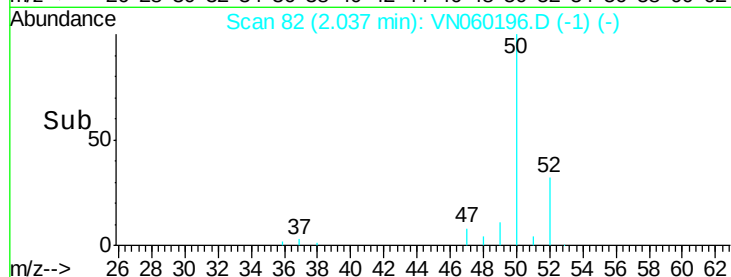
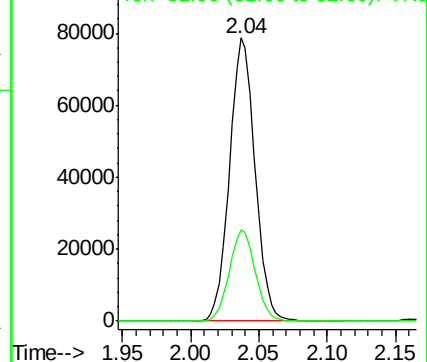
50 100

52 32.5 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.43 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060196.D

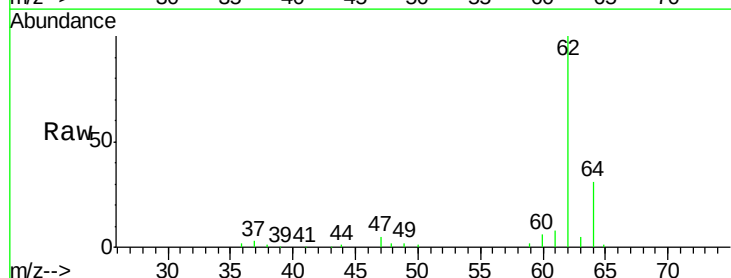
Acq: 24 Feb 2020 9:20

Tgt Ion: 62 Resp: 118260

Ion Ratio Lower Upper

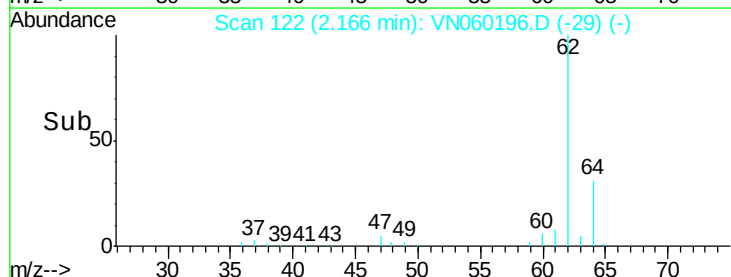
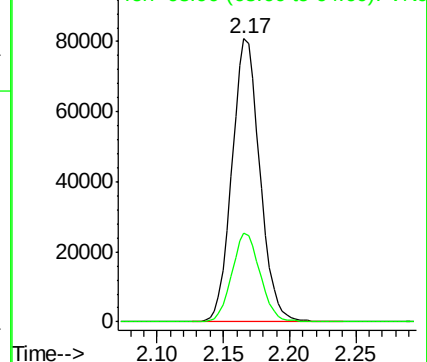
62 100

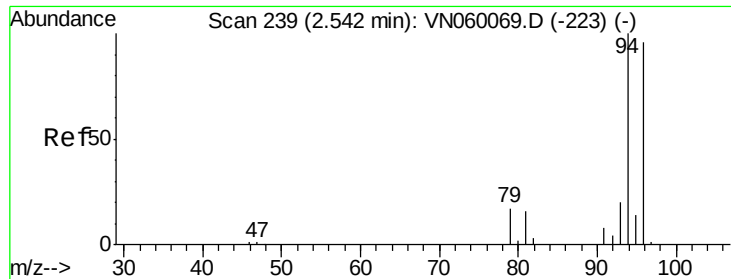
64 31.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

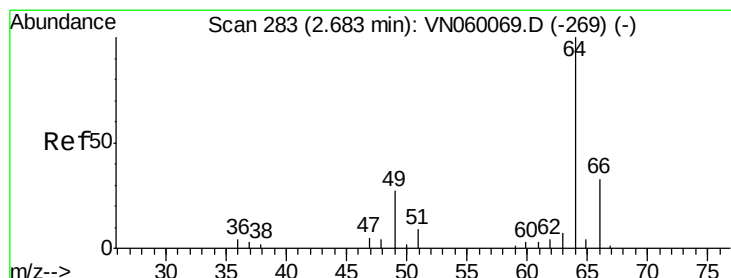
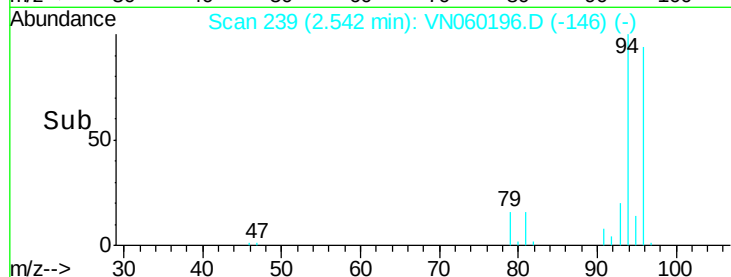
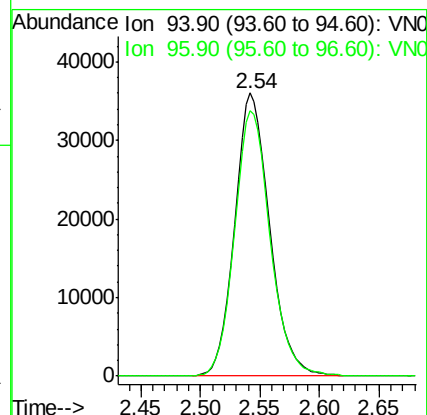
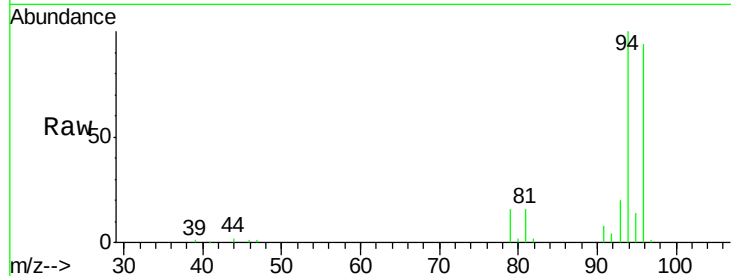




#5
Bromomethane
Concen: 46.81 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

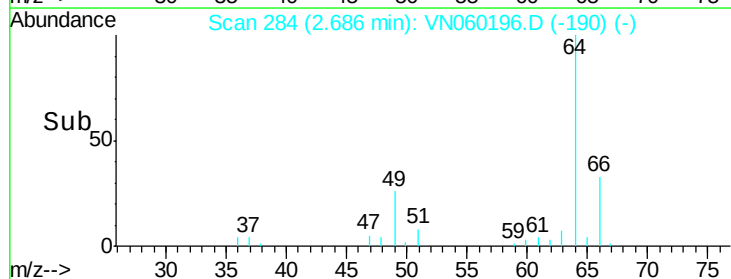
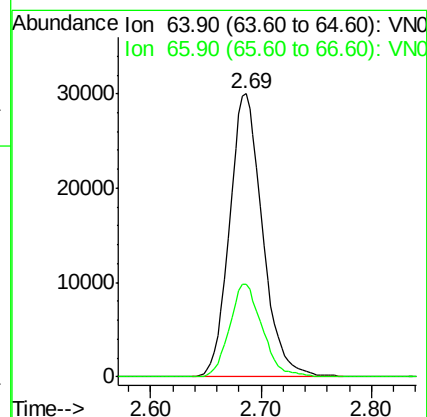
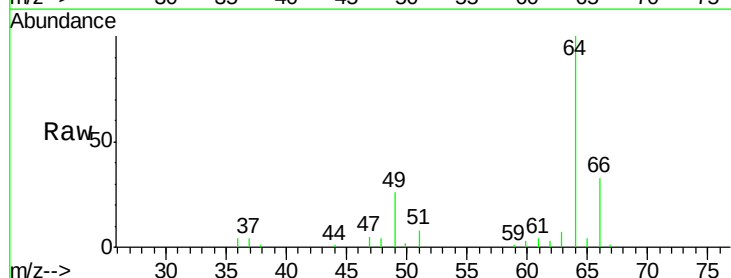
Instrument :
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VSTDCCC050

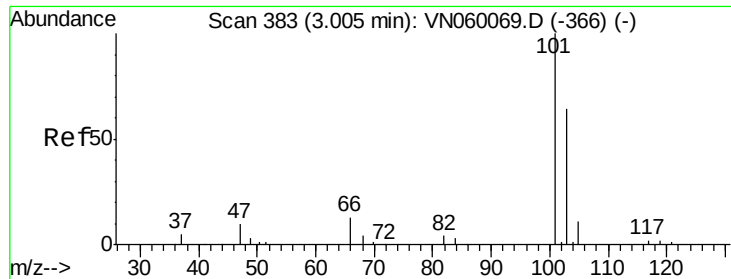
Tgt Ion: 94 Resp: 73106
Ion Ratio Lower Upper
94 100
96 93.9 76.7 115.1



#6
Chloroethane
Concen: 48.30 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 64 Resp: 62231
Ion Ratio Lower Upper
64 100
66 33.0 26.6 40.0



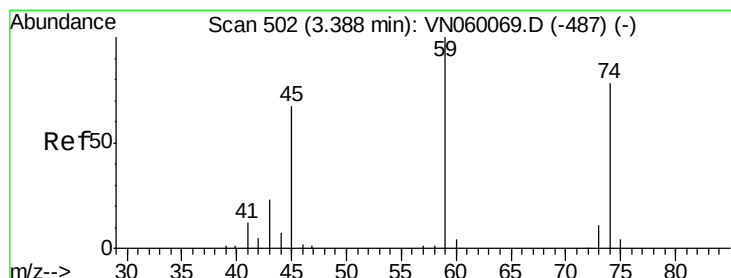
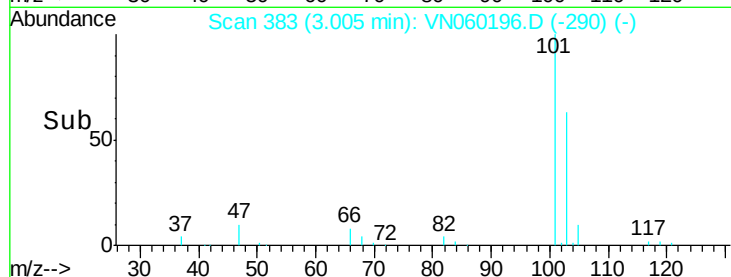
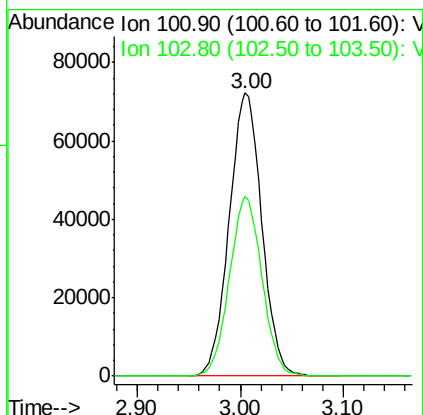
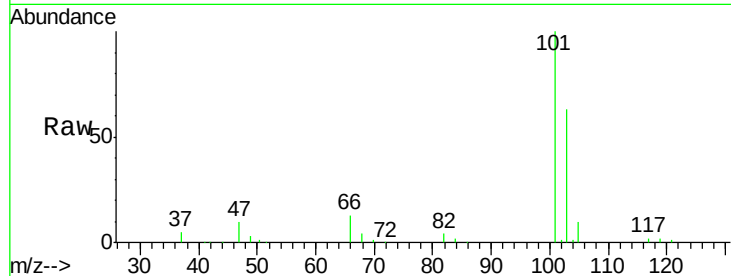


#7

Trichlorofluoromethane
 Concen: 48.39 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

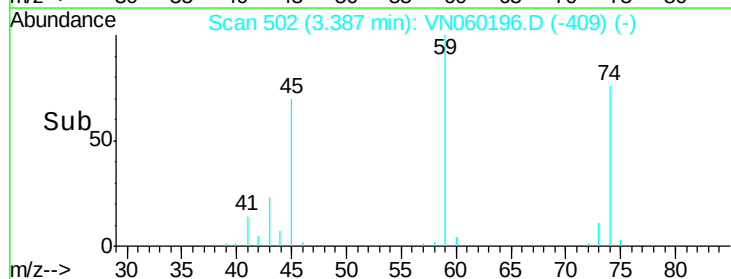
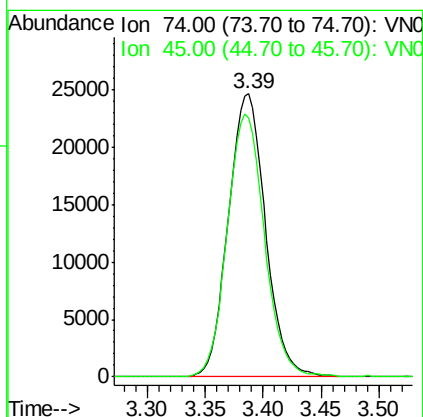
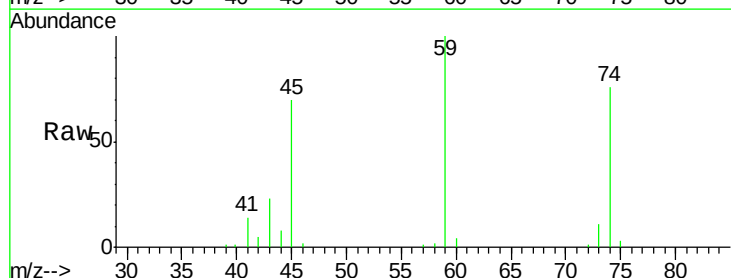
Tgt Ion: 101 Resp: 158924
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.0 76.6

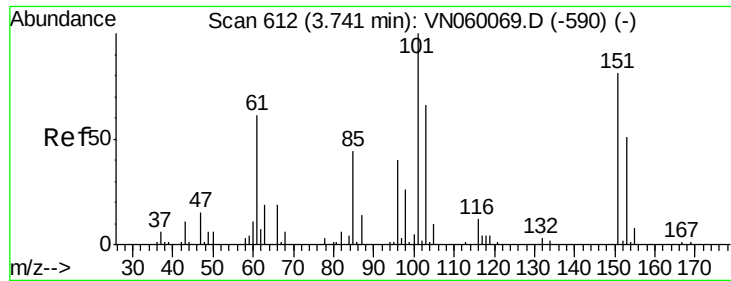


#8

Diethyl Ether
 Concen: 49.93 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion: 74 Resp: 54585
 Ion Ratio Lower Upper
 74 100
 45 93.0 44.7 134.1

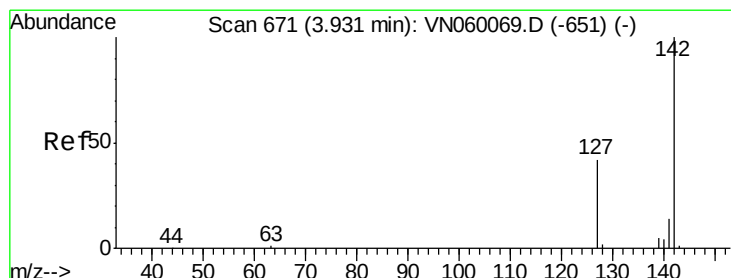
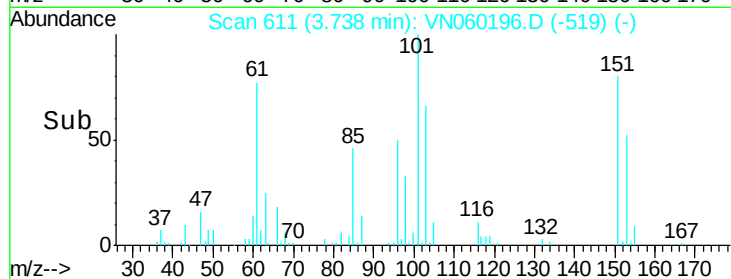
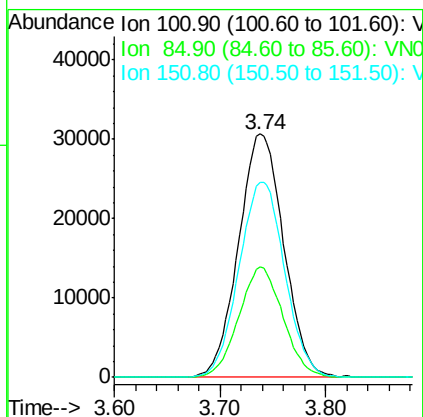
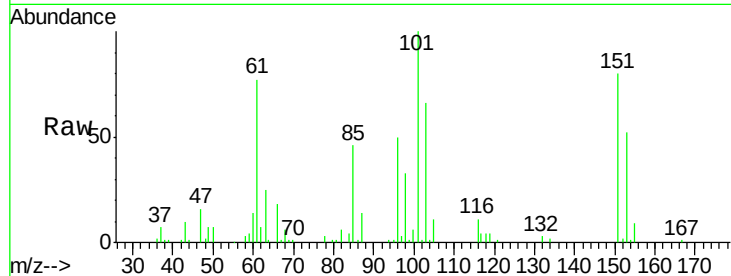




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.09 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

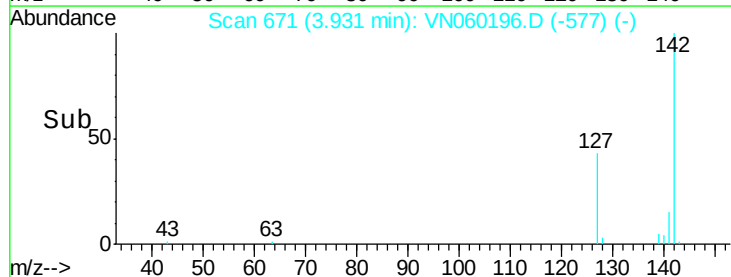
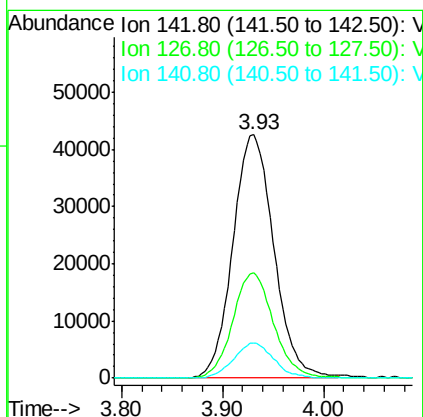
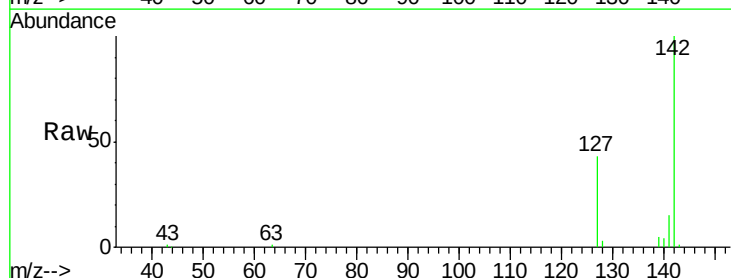
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

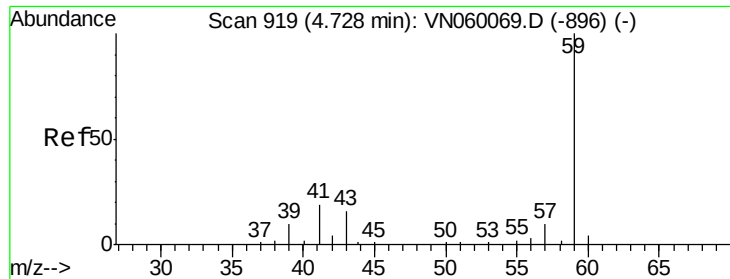
Tgt Ion:101 Resp: 91325
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.1 52.7
 151 81.3 65.8 98.6



#10
 Methyl Iodide
 Concen: 49.14 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion:142 Resp: 120290
 Ion Ratio Lower Upper
 142 100
 127 43.2 33.6 50.4
 141 14.1 11.4 17.2

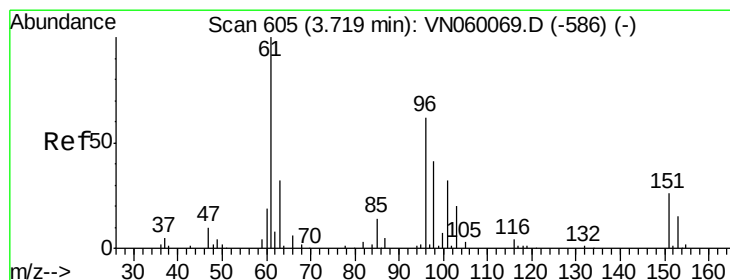
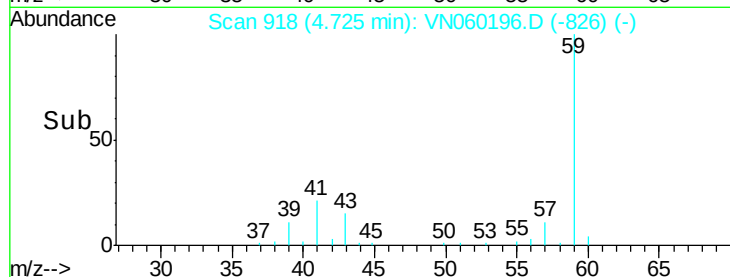
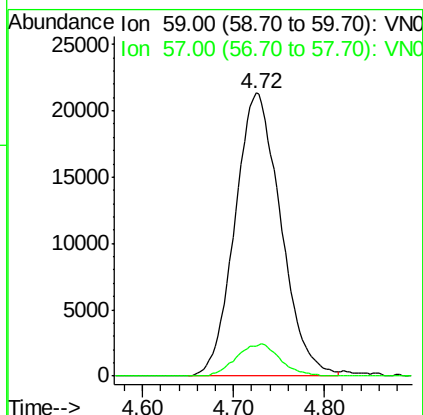
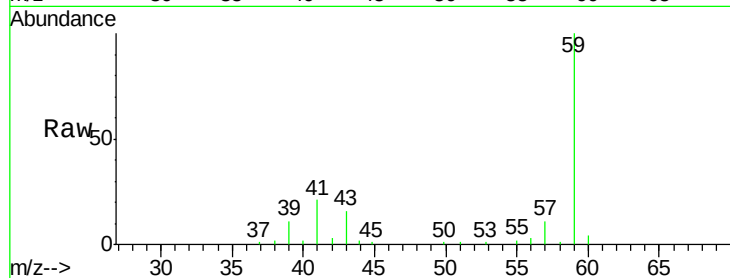




#11
Tert butyl alcohol
Concen: 218.08 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

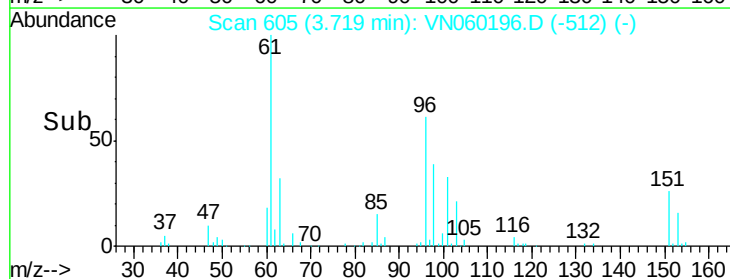
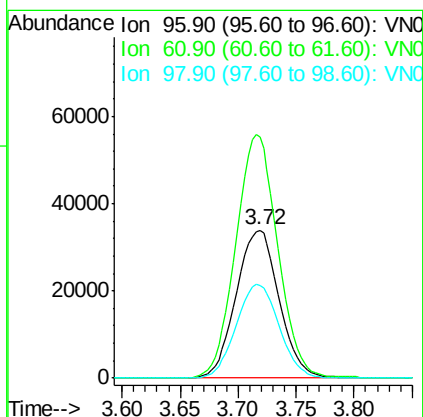
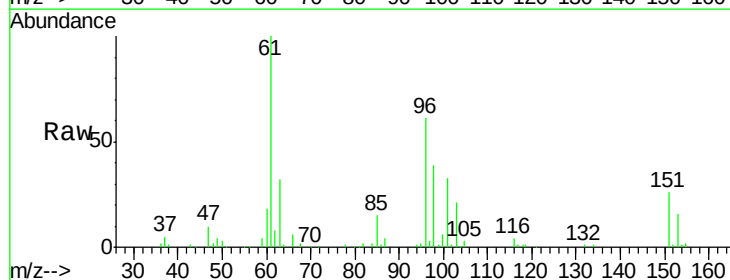
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

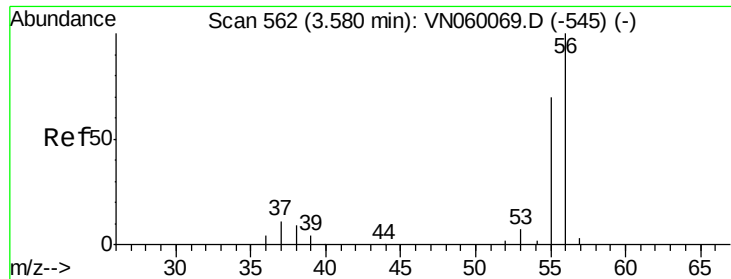
Tgt Ion: 59 Resp: 74600
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4



#12
1,1-Dichloroethene
Concen: 49.11 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 96 Resp: 87220
Ion Ratio Lower Upper
96 100
61 163.0 128.3 192.5
98 62.8 52.2 78.4





#13

Acrolein

Concen: 245.55 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

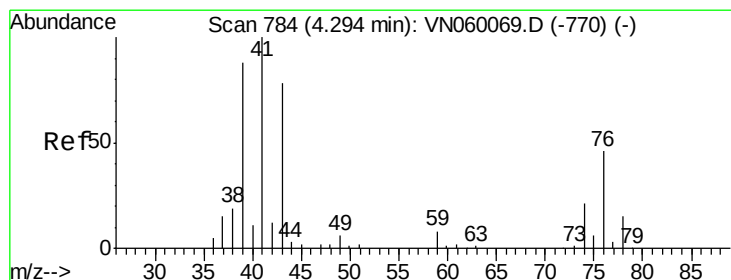
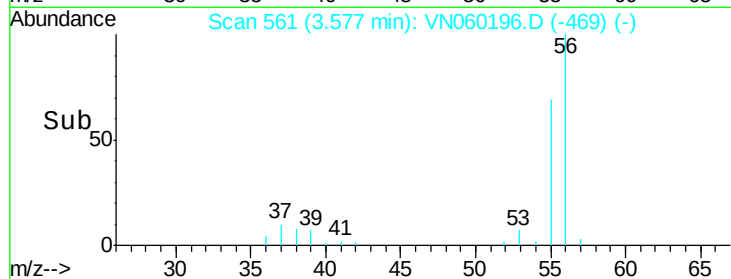
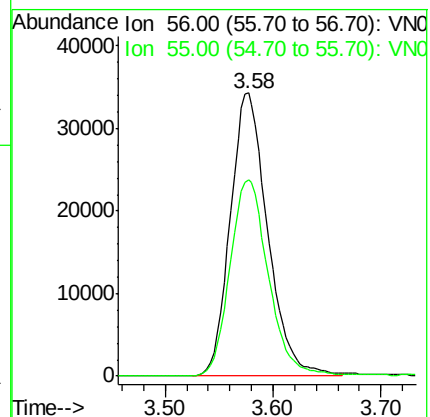
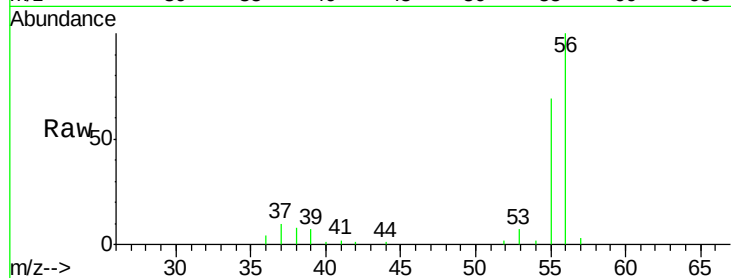
VSTDCCC050

Tgt Ion: 56 Resp: 83028

Ion Ratio Lower Upper

56 100

55 71.3 54.8 82.2



#14

Allyl chloride

Concen: 48.83 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

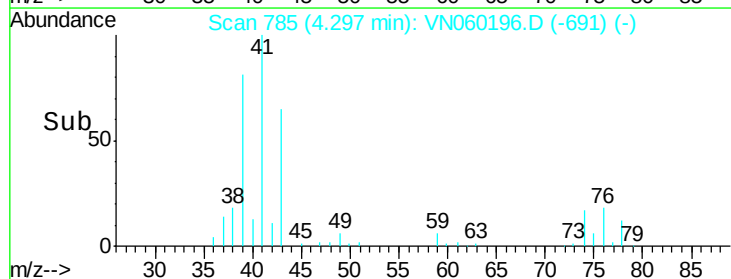
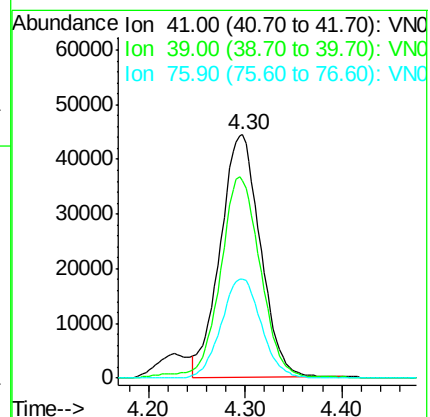
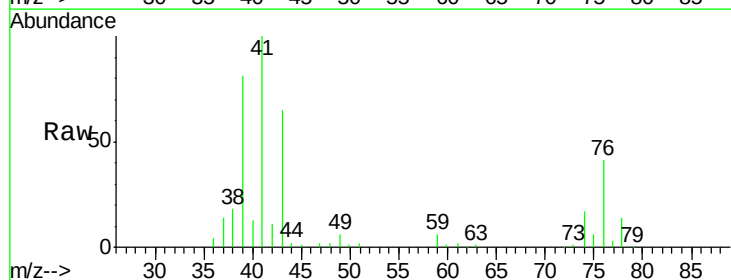
Tgt Ion: 41 Resp: 127654

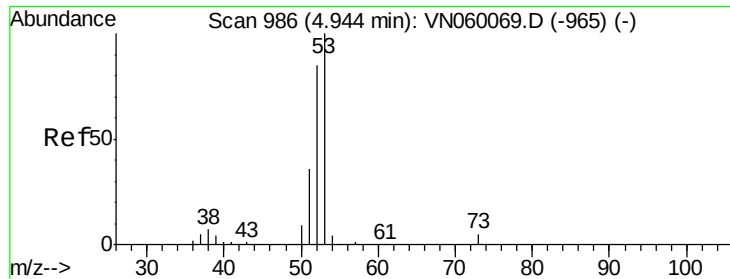
Ion Ratio Lower Upper

41 100

39 82.7 67.8 101.8

76 41.0 33.9 50.9

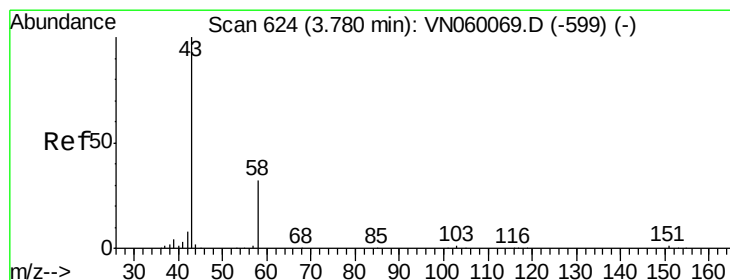
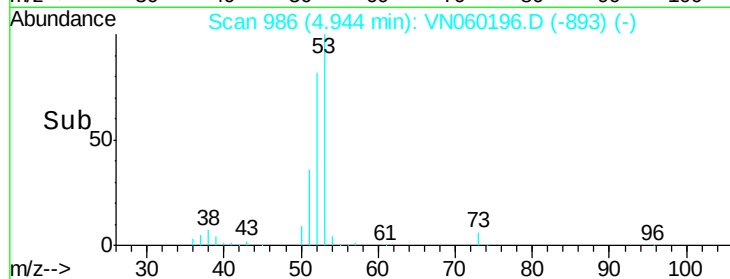
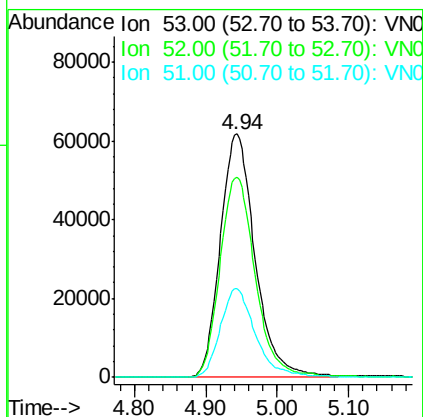
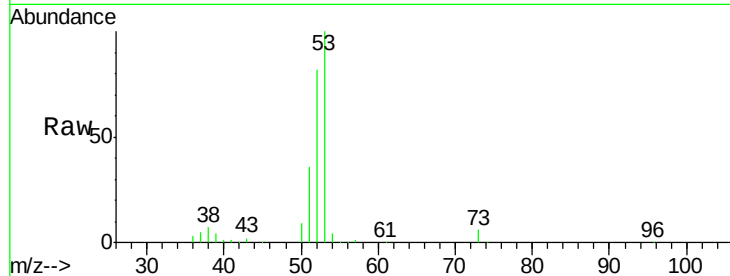




#15
 Acrylonitrile
 Concen: 250.82 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

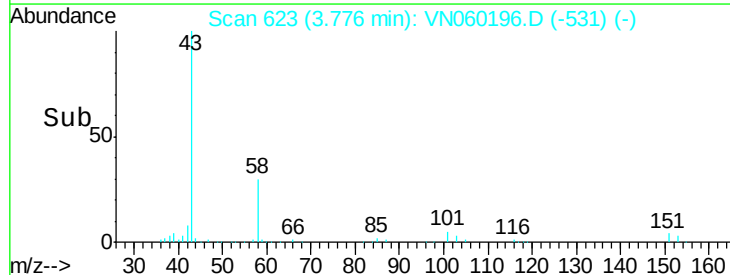
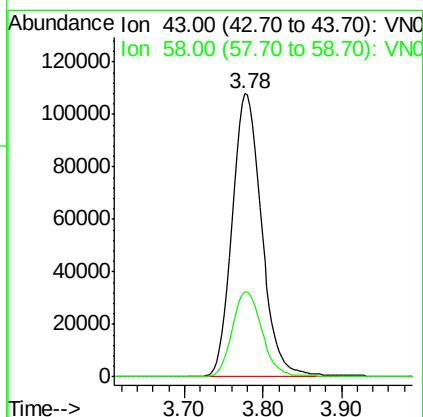
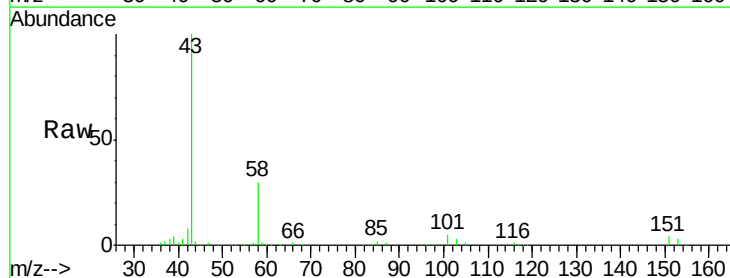
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

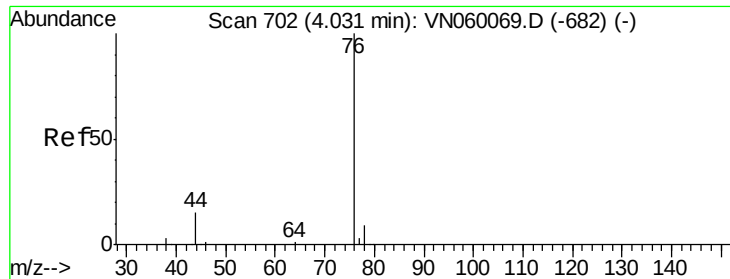
Tgt Ion: 53 Resp: 209539
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.8 100.2
 51 36.7 29.4 44.0



#16
 Acetone
 Concen: 284.01 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion: 43 Resp: 283188
 Ion Ratio Lower Upper
 43 100
 58 30.2 25.2 37.8

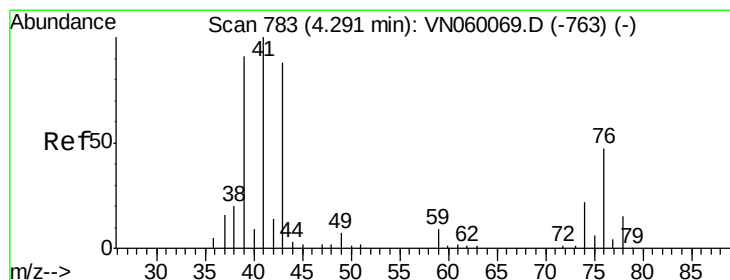
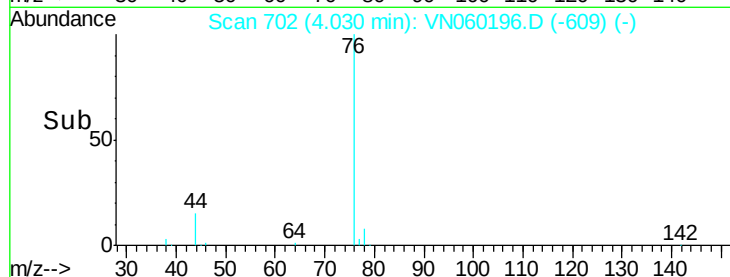
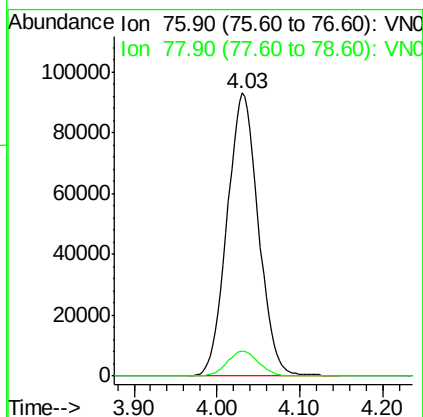
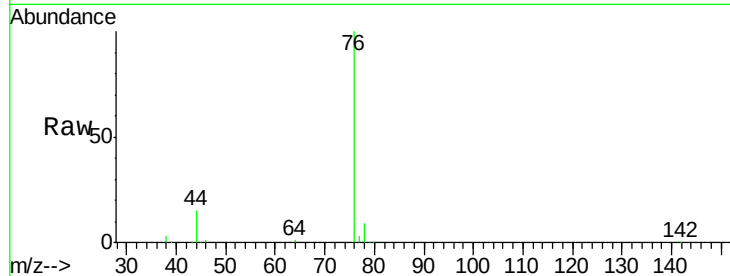




#17
Carbon Disulfide
Concen: 45.66 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

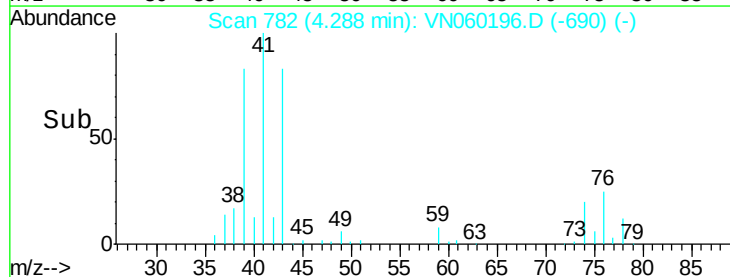
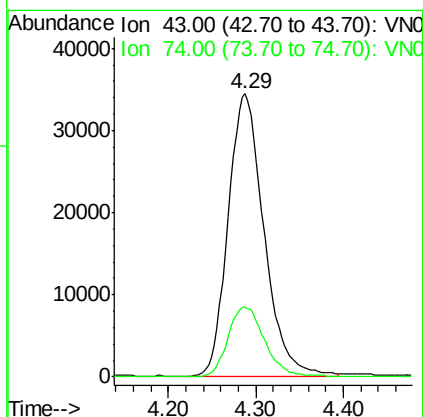
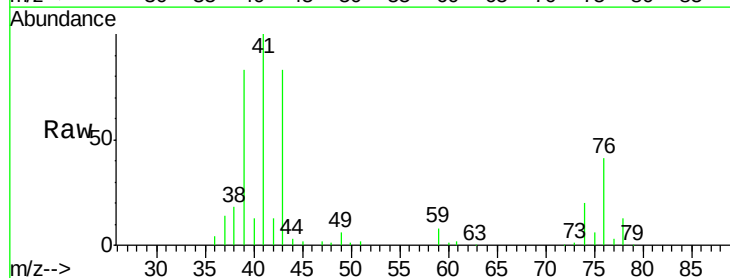
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

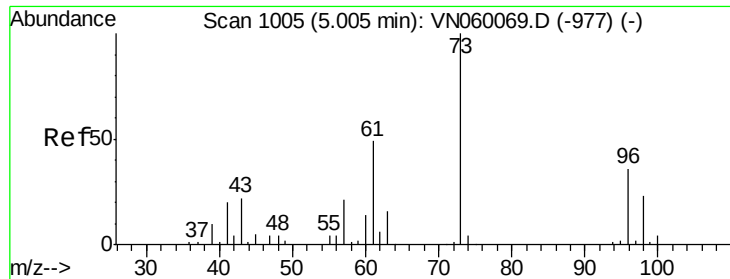
Tgt Ion: 76 Resp: 244435
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 52.66 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 43 Resp: 98629
Ion Ratio Lower Upper
43 100
74 24.9 20.3 30.5

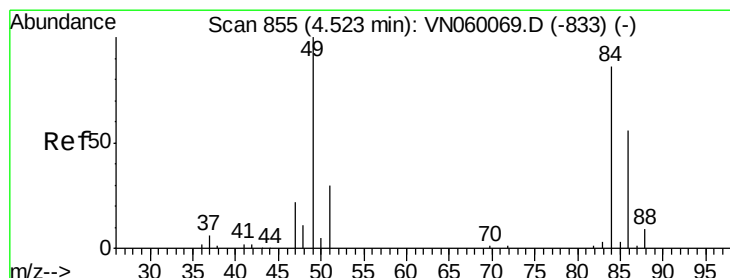
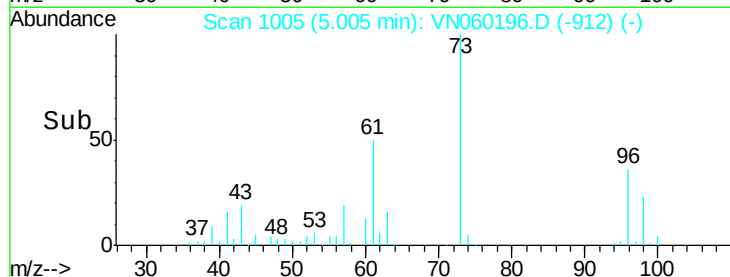
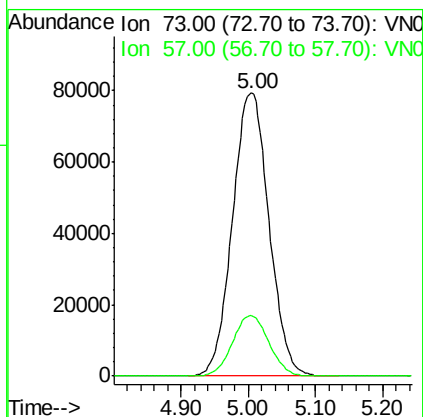
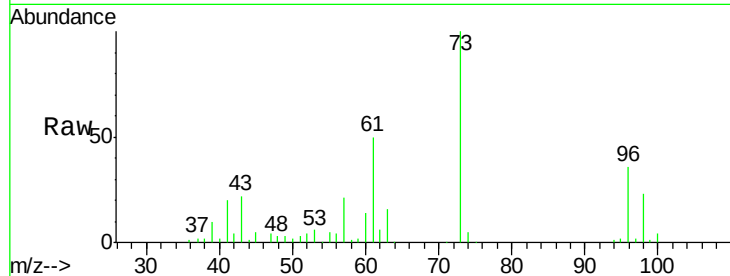




#19
Methyl tert-butyl Ether
Concen: 50.08 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

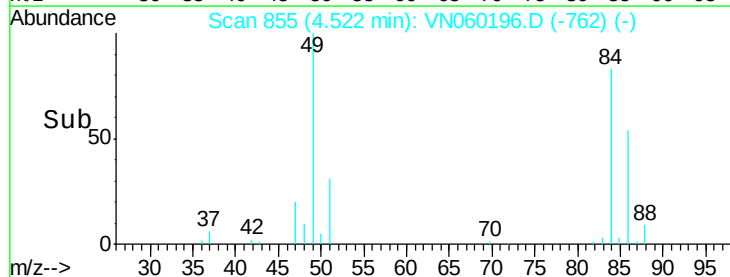
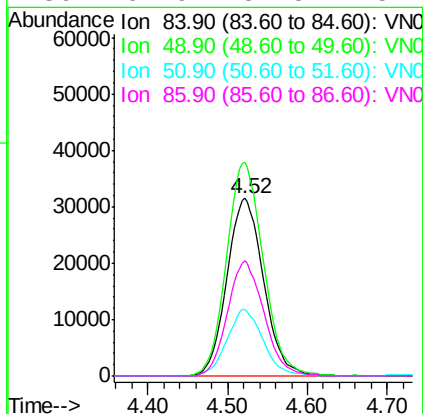
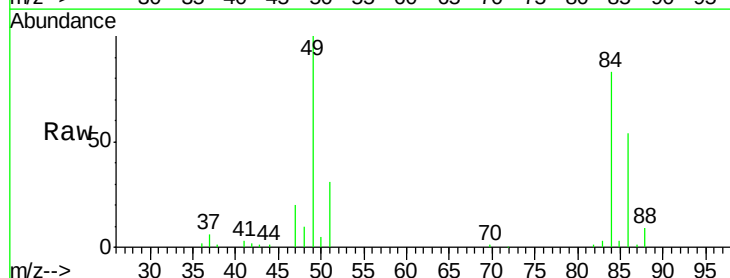
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

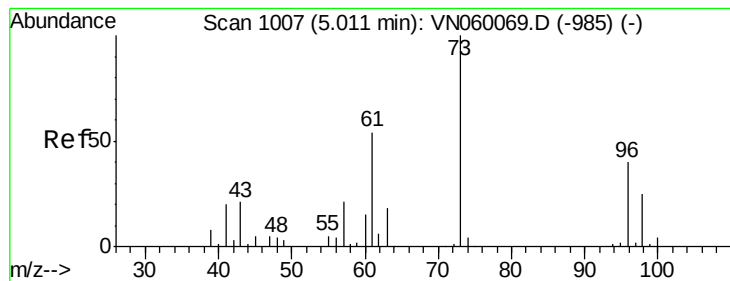
Tgt Ion: 73 Resp: 299152
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8



#20
Methylene Chloride
Concen: 49.42 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 84 Resp: 98313
Ion Ratio Lower Upper
84 100
49 120.2 93.4 140.0
51 37.6 28.4 42.6
86 64.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.29 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

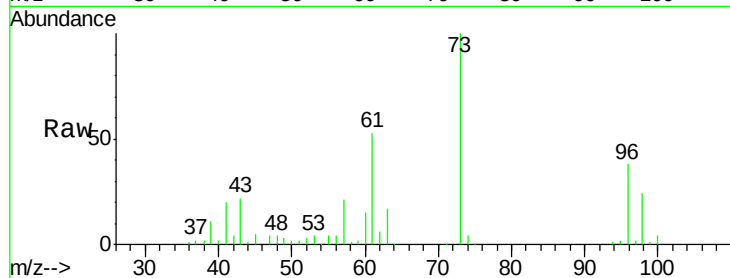
Tgt Ion: 96 Resp: 95433

Ion Ratio Lower Upper

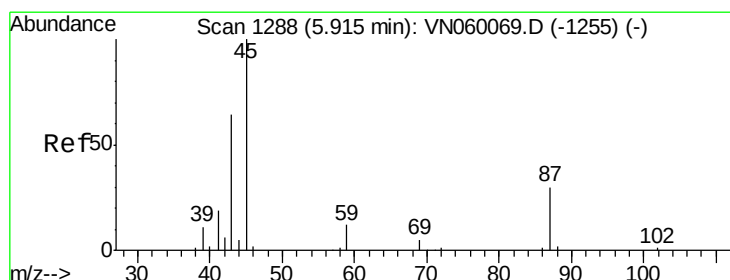
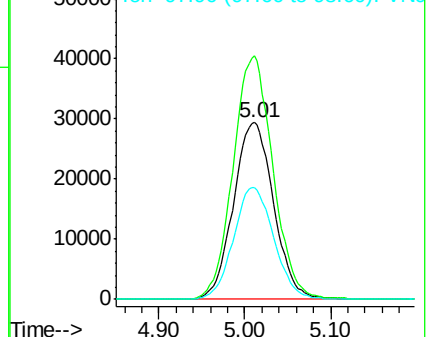
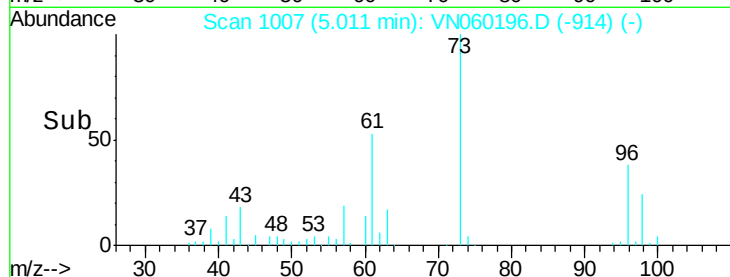
96 100

61 137.8 109.3 163.9

98 63.1 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VN060196.D (-914) (-)



#22

Diisopropyl ether

Concen: 52.02 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Tgt Ion: 45 Resp: 298040

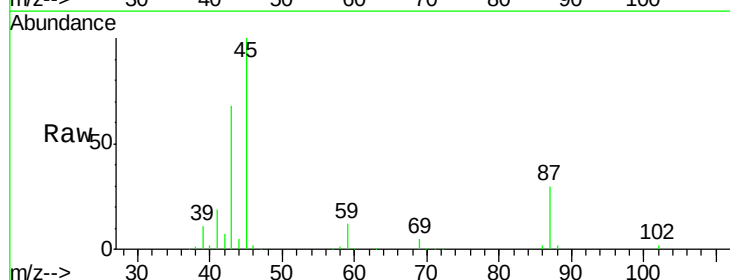
Ion Ratio Lower Upper

45 100

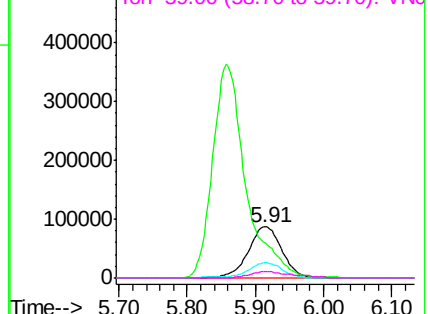
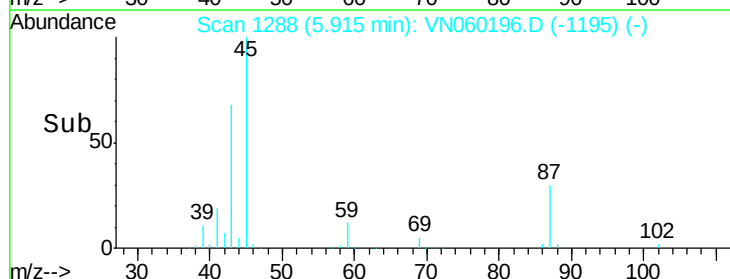
43 66.2 55.9 83.9

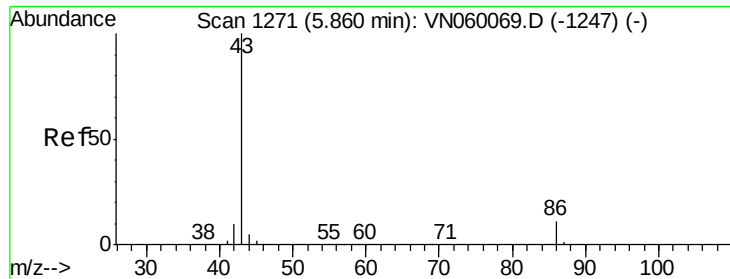
87 30.0 24.5 36.7

59 11.7 9.9 14.9



Abundance Ion 45.00 (44.70 to 45.70): VN060196.D (-1195) (-)





#23

Vinyl Acetate

Concen: 255.79 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

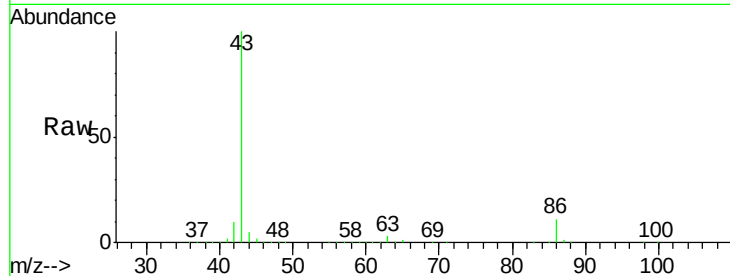
VSTDCCC050

Tgt Ion: 43 Resp: 1230687

Ion Ratio Lower Upper

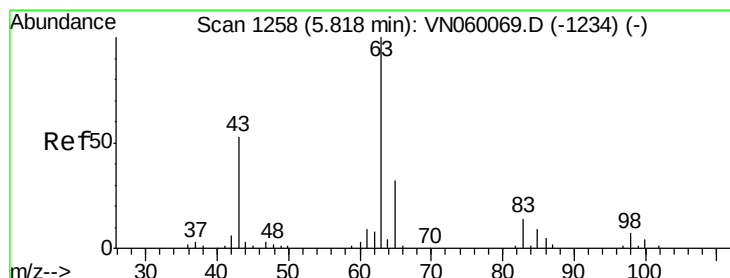
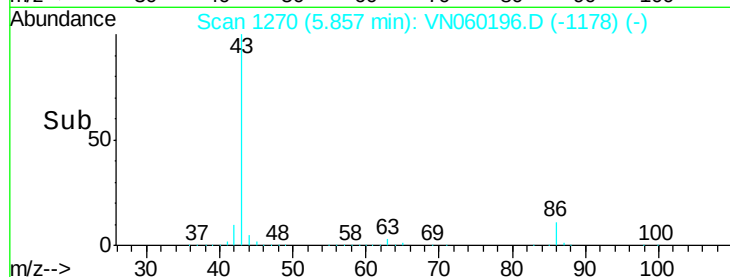
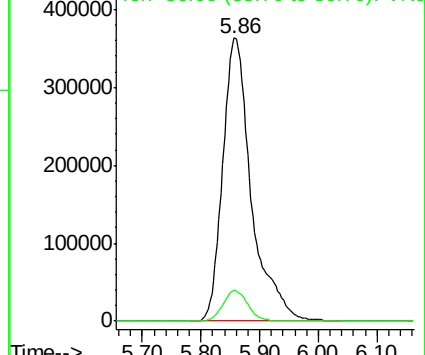
43 100

86 11.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN060196.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060196.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 50.57 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

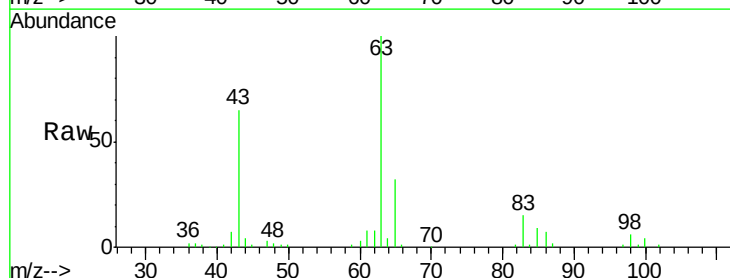
Tgt Ion: 63 Resp: 175512

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

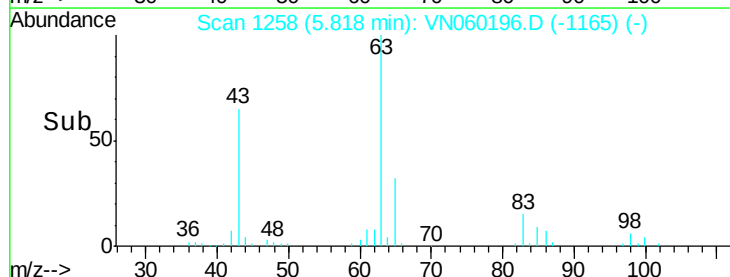
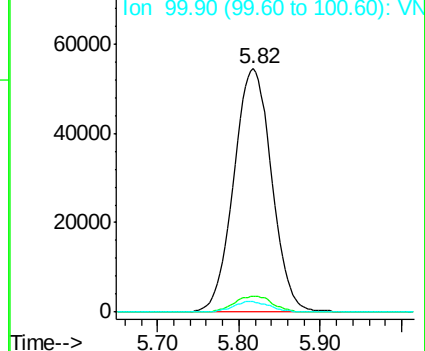
100 4.4 2.2 6.6

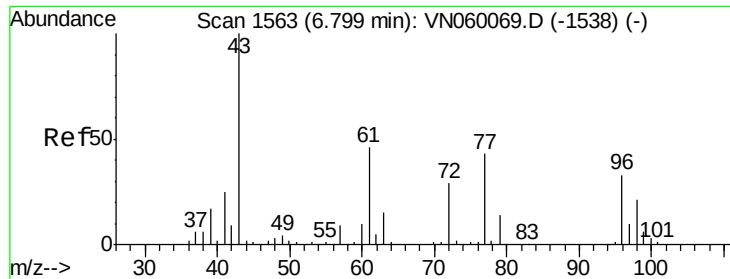


Abundance Ion 62.90 (62.60 to 63.60): VN060196.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060196.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060196.D (-1165) (-)





#25

2-Butanone

Concen: 261.93 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

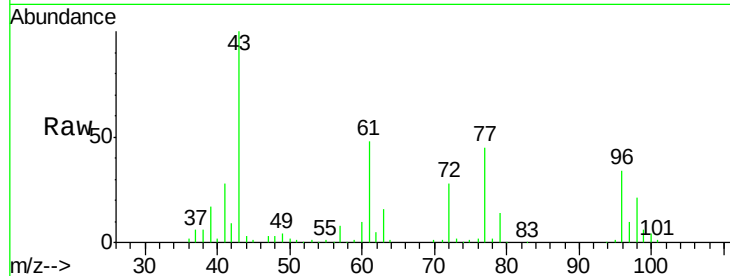
VSTDCCC050

Tgt Ion: 43 Resp: 328470

Ion Ratio Lower Upper

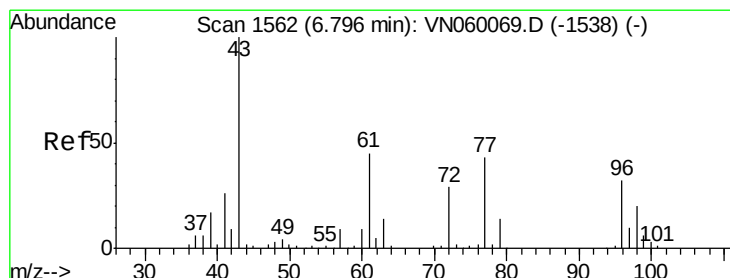
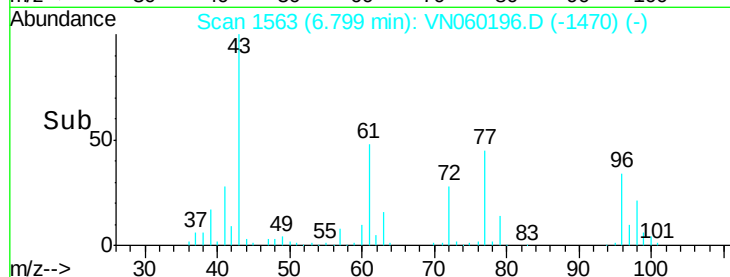
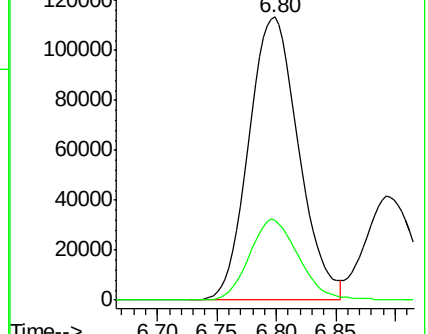
43 100

72 28.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.48 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060196.D

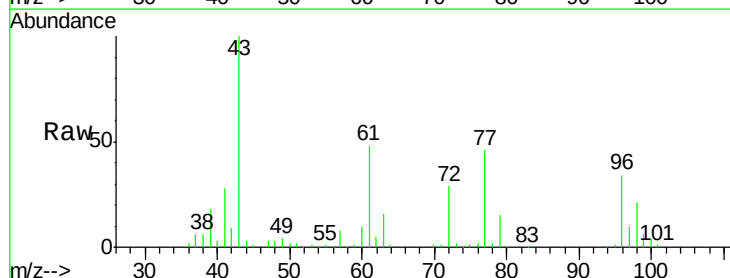
Acq: 24 Feb 2020 9:20

Tgt Ion: 77 Resp: 166419

Ion Ratio Lower Upper

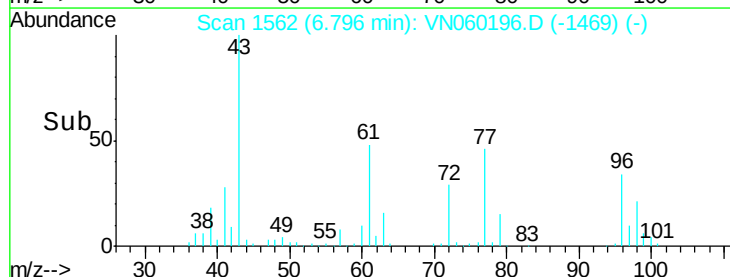
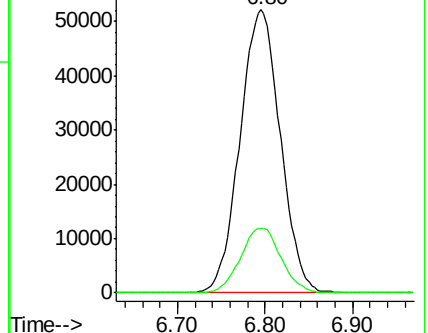
77 100

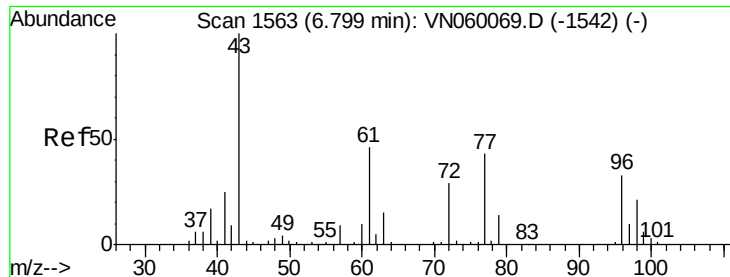
97 23.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.29 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

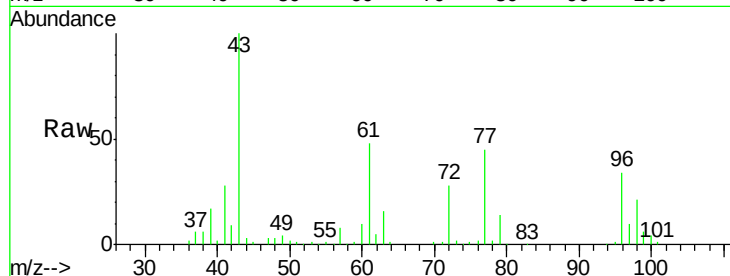
Tgt Ion: 96 Resp: 111687

Ion Ratio Lower Upper

96 100

61 144.1 0.0 285.8

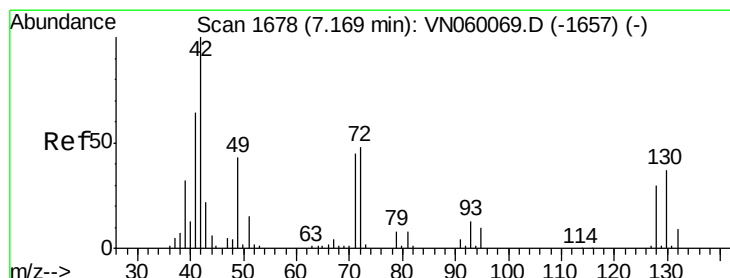
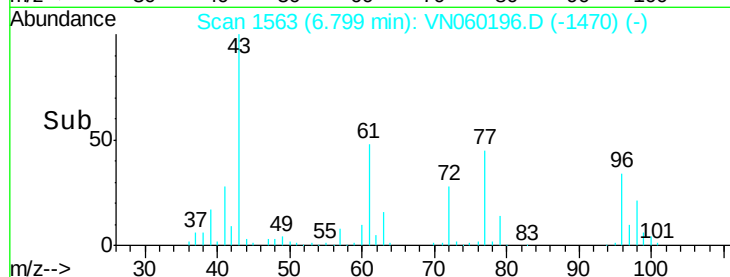
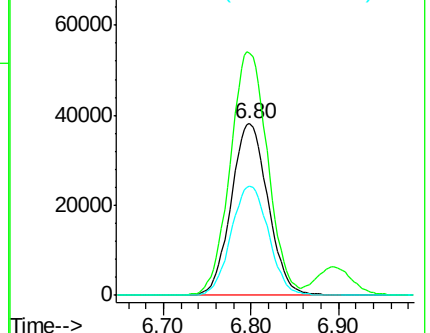
98 64.6 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN060196.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060196.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060196.D (-1470) (-)



#28

Bromochloromethane

Concen: 50.10 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

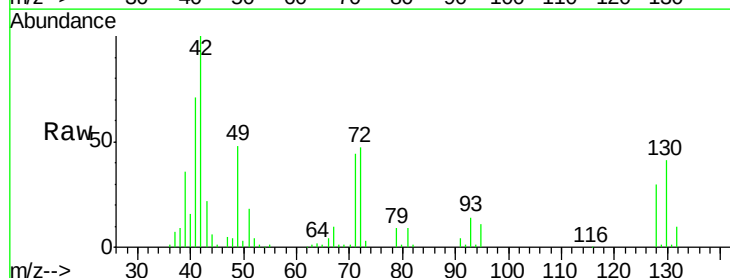
Tgt Ion: 49 Resp: 68360

Ion Ratio Lower Upper

49 100

129 2.0 0.0 2.2

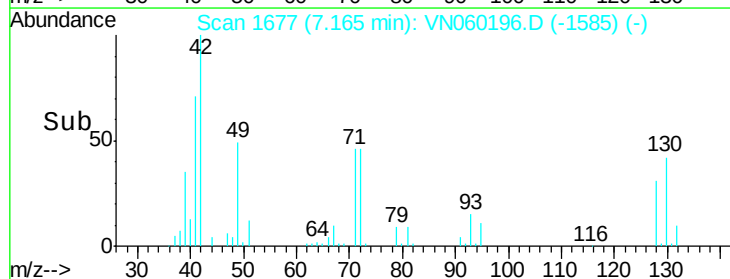
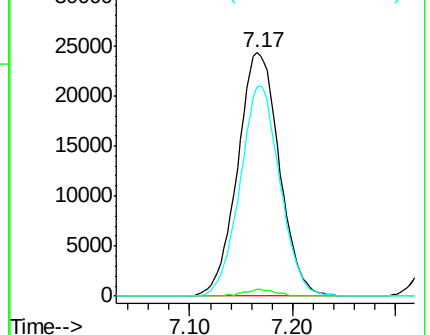
130 82.6 66.8 100.2

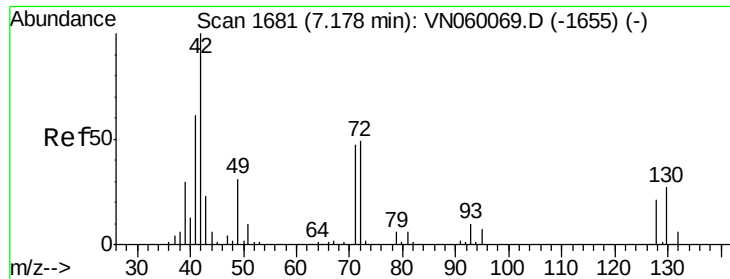


Abundance Ion 48.90 (48.60 to 49.60): VN060196.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060196.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060196.D (-1585) (-)

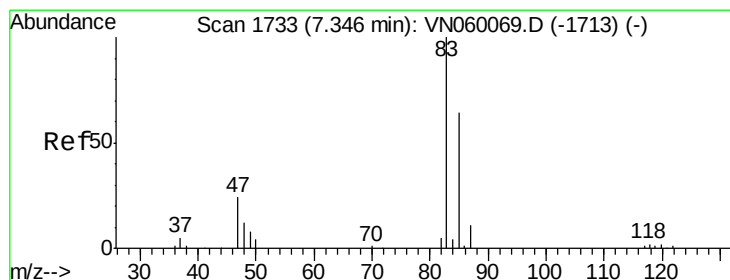
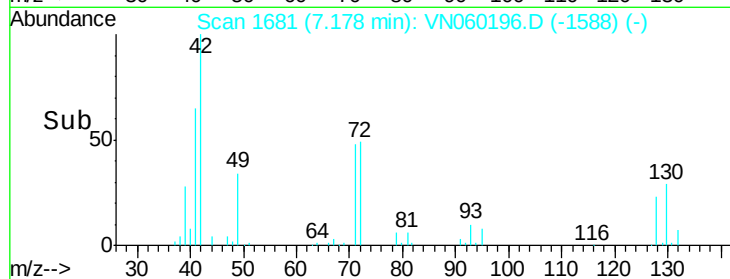
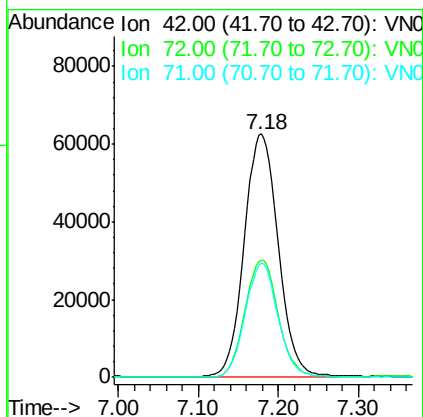
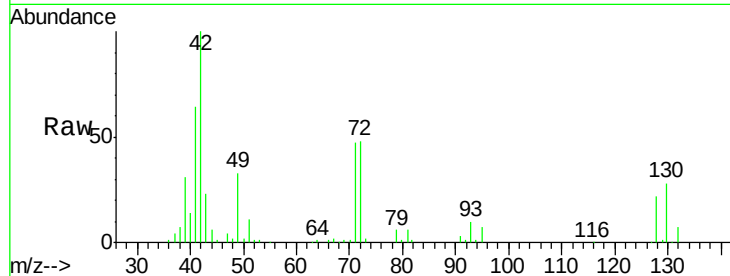




#29
Tetrahydrofuran
Concen: 236.52 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

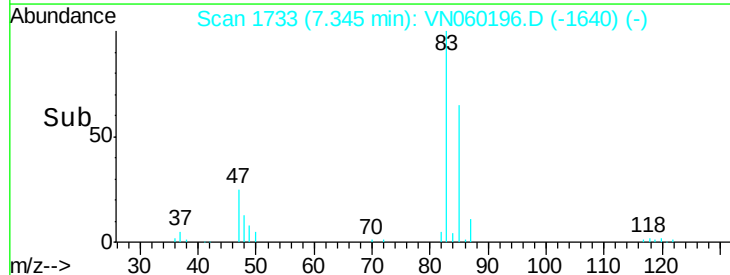
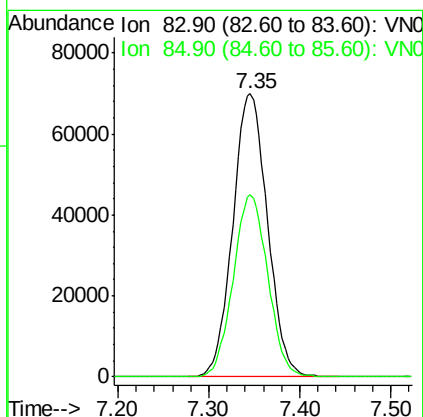
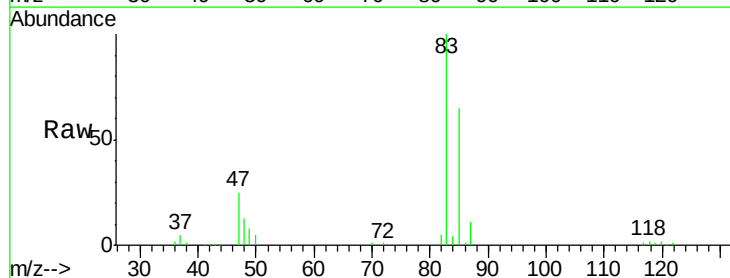
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

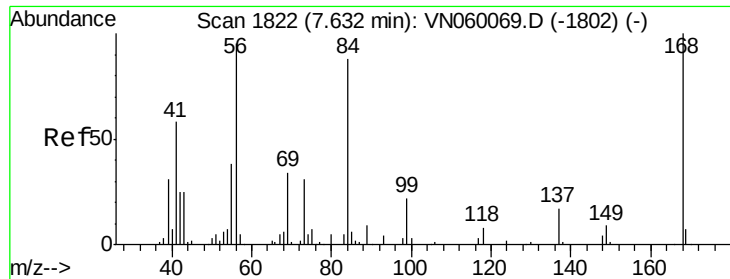
Tgt Ion: 42 Resp: 181962
Ion Ratio Lower Upper
42 100
72 47.2 38.2 57.4
71 45.1 36.6 54.8



#30
Chloroform
Concen: 50.91 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 83 Resp: 185092
Ion Ratio Lower Upper
83 100
85 64.5 51.4 77.0

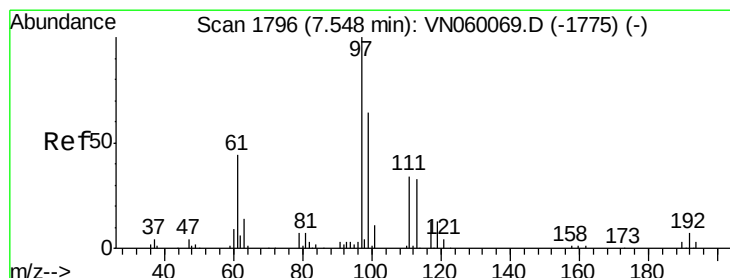
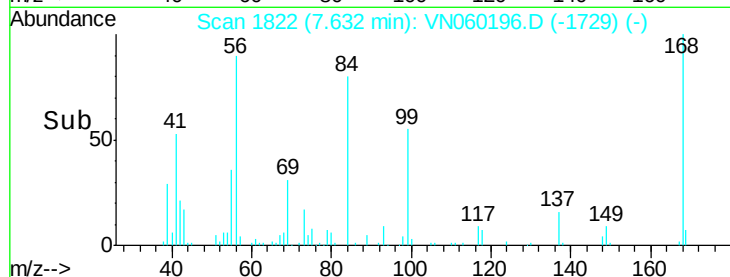
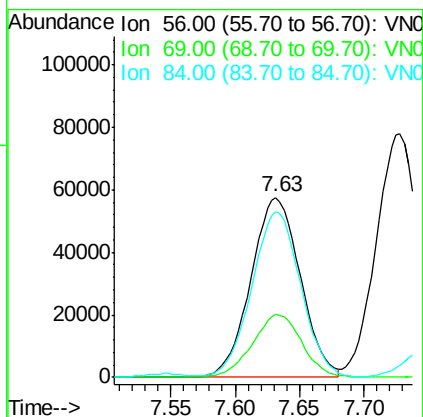
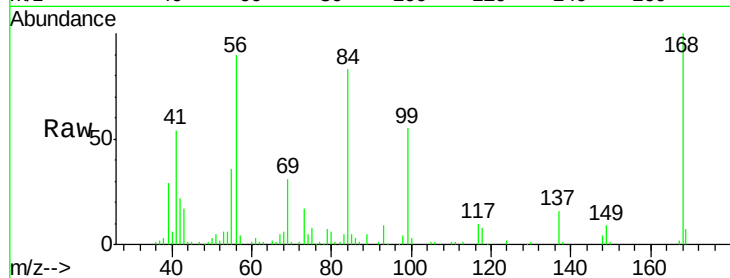




#31
Cyclohexane
Concen: 47.50 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

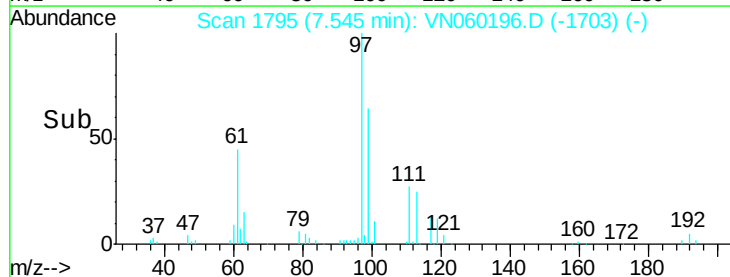
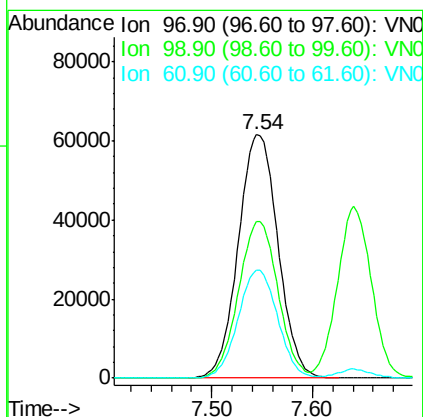
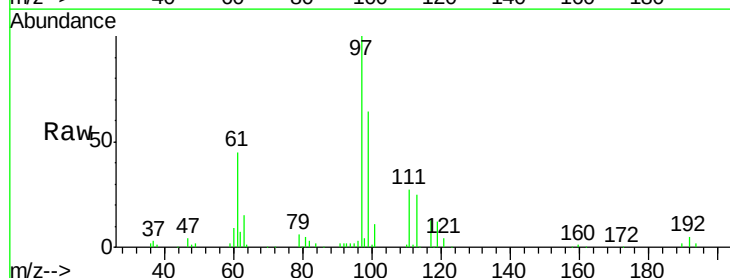
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

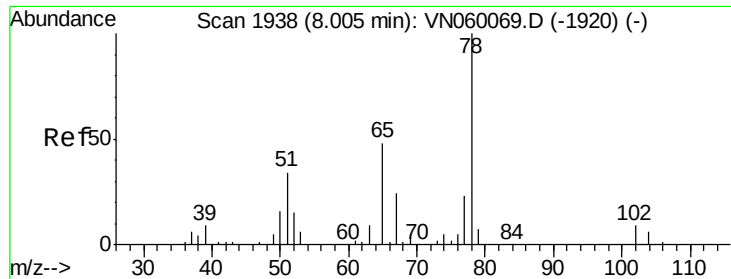
Tgt Ion: 56 Resp: 153588
Ion Ratio Lower Upper
56 100
69 34.8 28.3 42.5
84 91.0 72.6 108.8



#32
1,1,1-Trichloroethane
Concen: 50.64 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 97 Resp: 168236
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 44.1 34.9 52.3

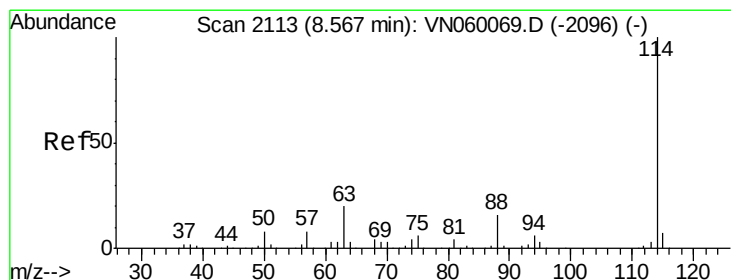
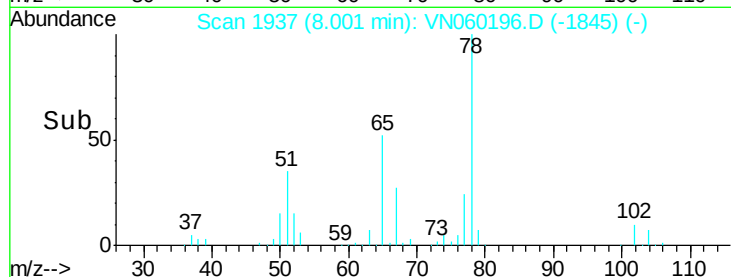
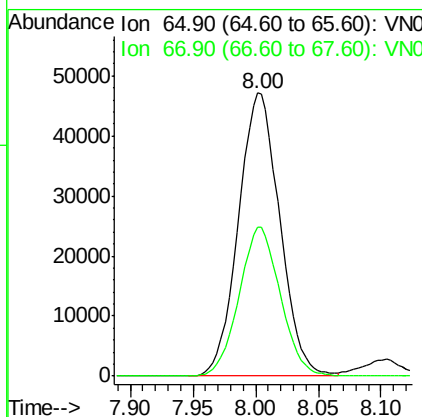
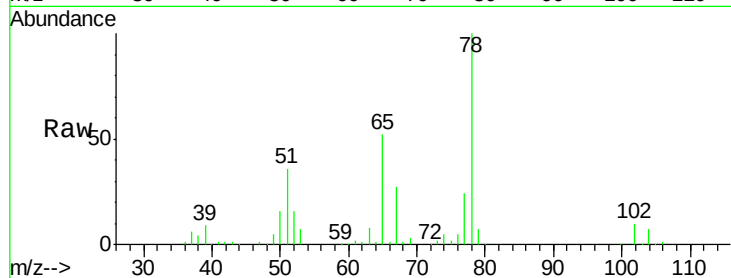




#33
 1,2-Dichloroethane-d4
 Concen: 47.35 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

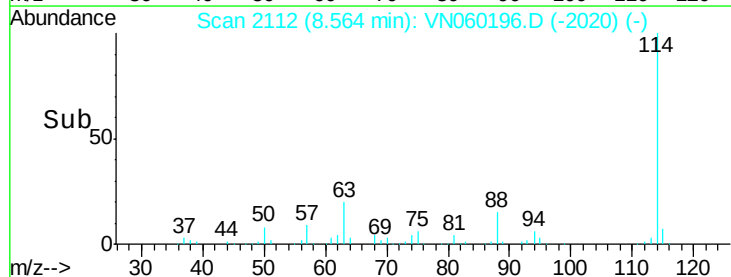
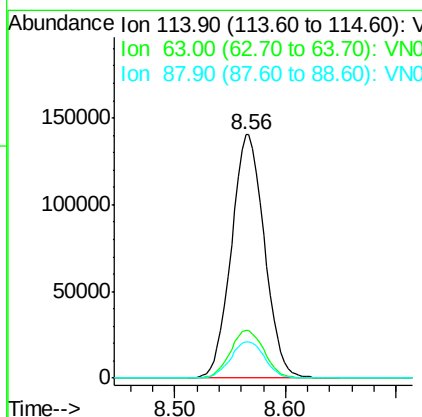
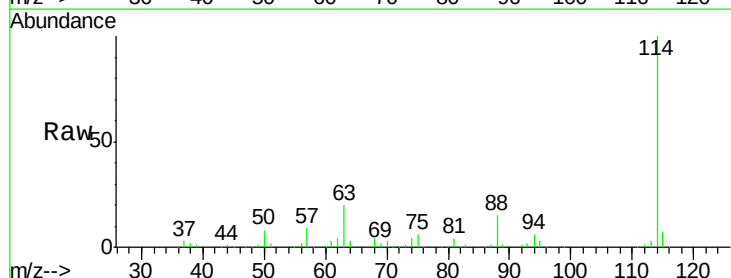
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

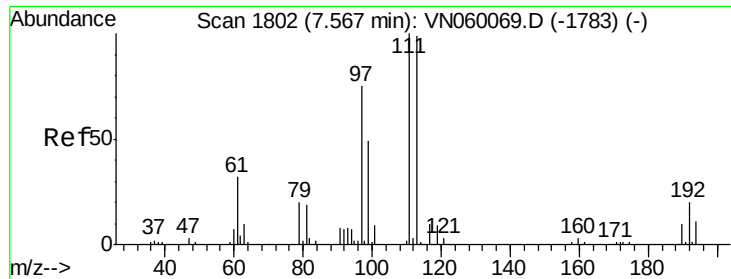
Tgt Ion: 65 Resp: 108247
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion: 114 Resp: 292049
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.0 0.0 31.6

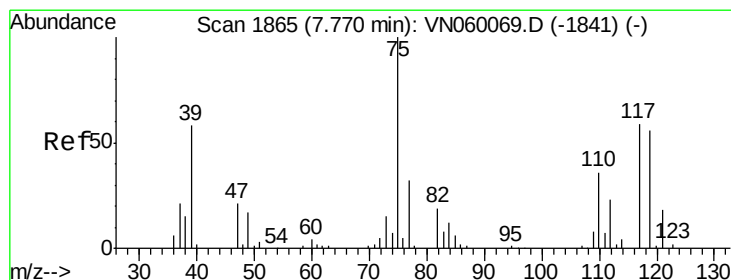
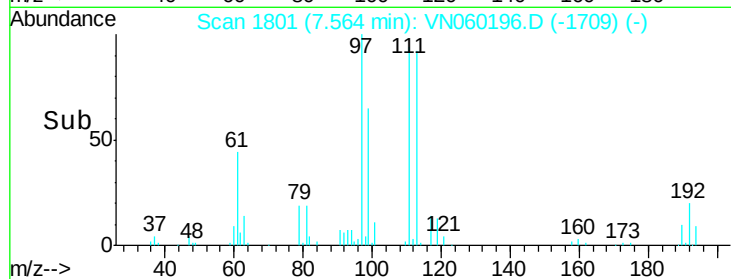
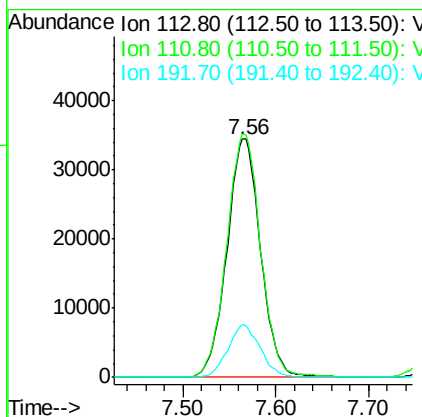
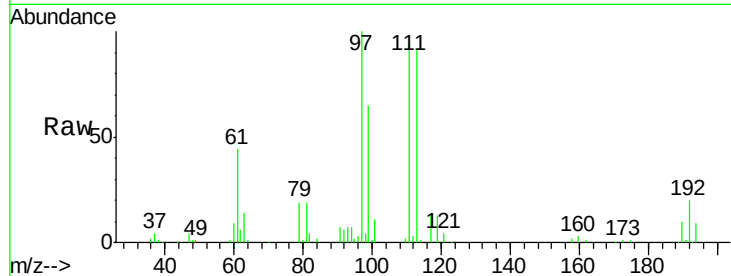




#35
 Dibromofluoromethane
 Concen: 48.27 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

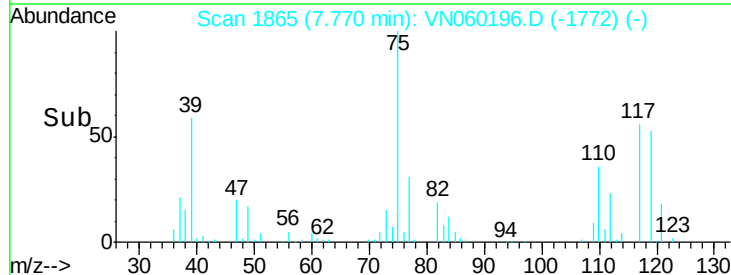
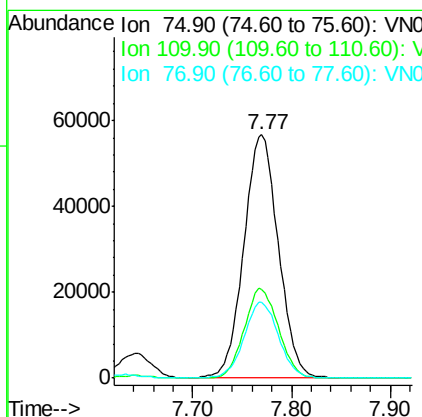
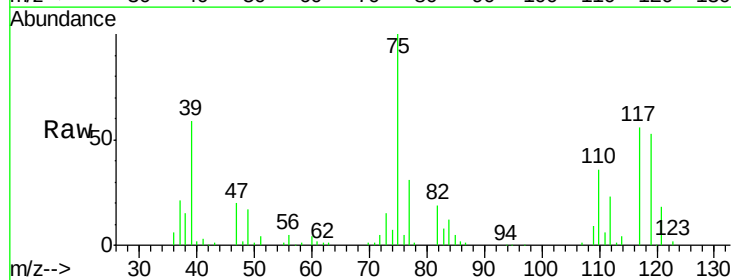
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

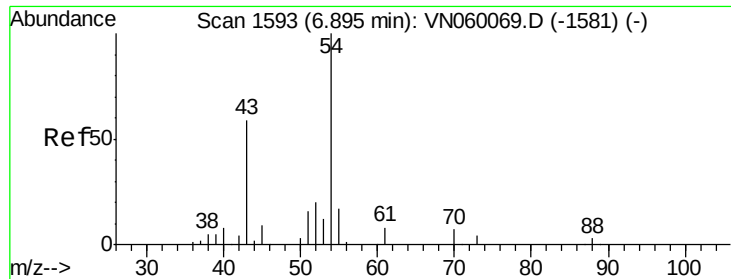
Tgt Ion: 113 Resp: 86647
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.2
 192 21.1 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 50.67 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion: 75 Resp: 137065
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.3
 77 31.1 25.1 37.7

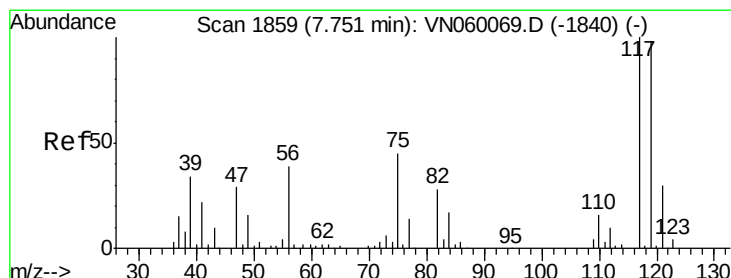
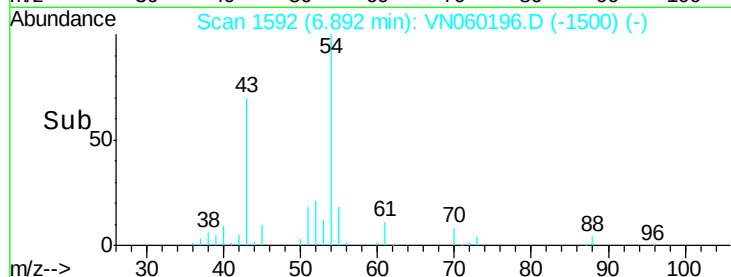
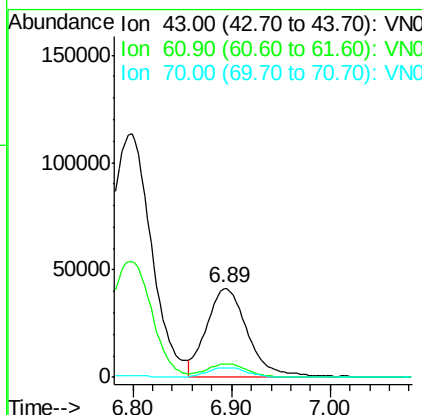
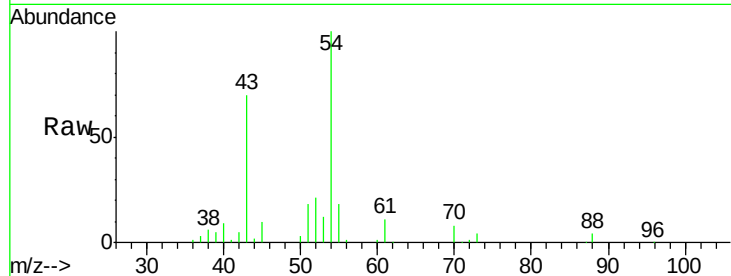




#37
Ethyl Acetate
 Concen: 48.53 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

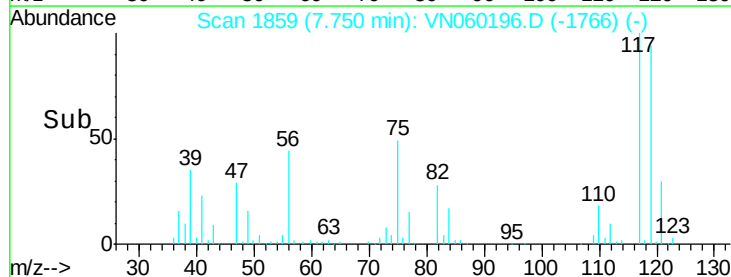
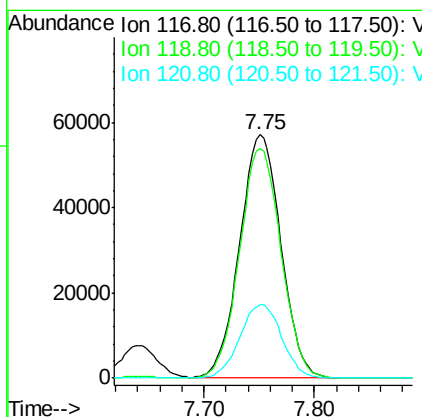
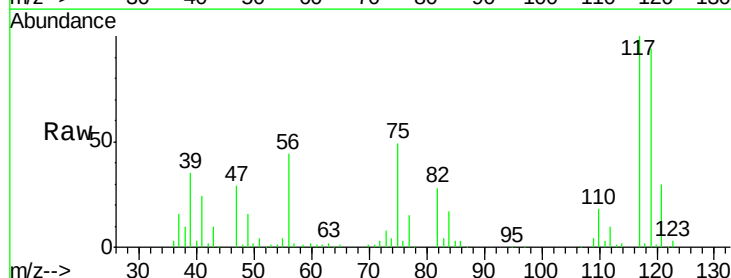
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

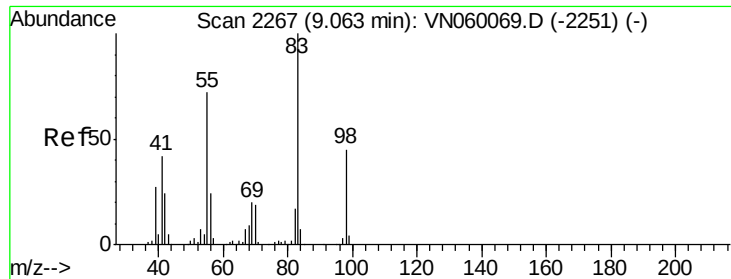
Tgt Ion: 43 Resp: 118655
 Ion Ratio Lower Upper
 43 100
 61 15.7 11.4 17.2
 70 10.9 8.7 13.1



#38
Carbon Tetrachloride
 Concen: 50.49 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion: 117 Resp: 148339
 Ion Ratio Lower Upper
 117 100
 119 94.5 78.2 117.4
 121 29.9 24.2 36.2

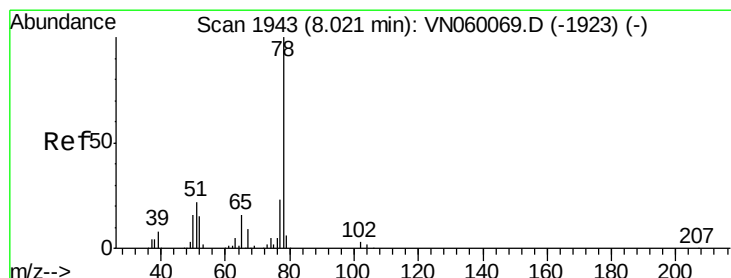
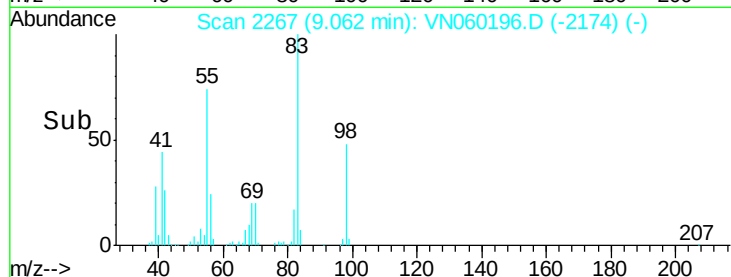
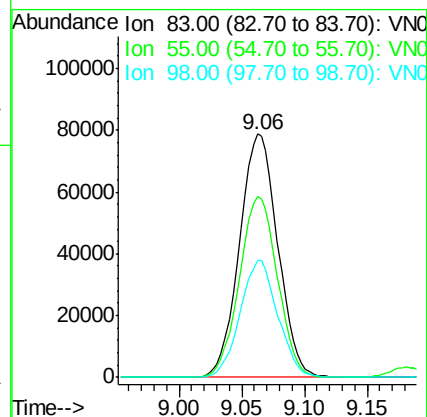
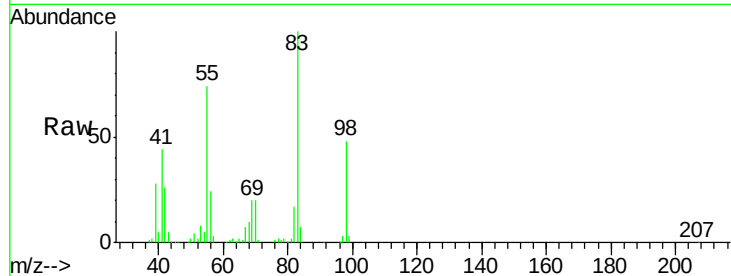




#39
Methylcyclohexane
Concen: 49.76 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

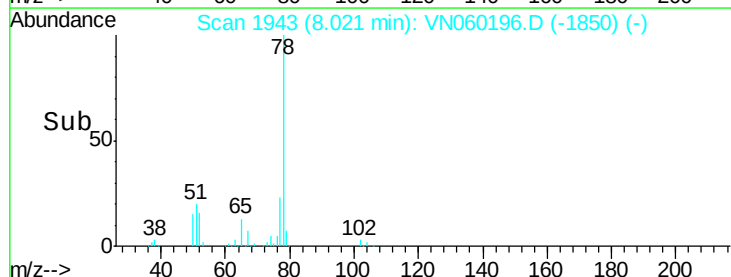
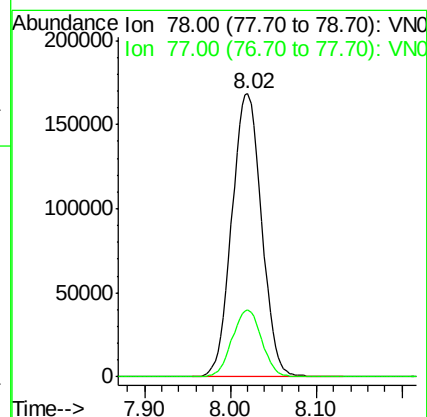
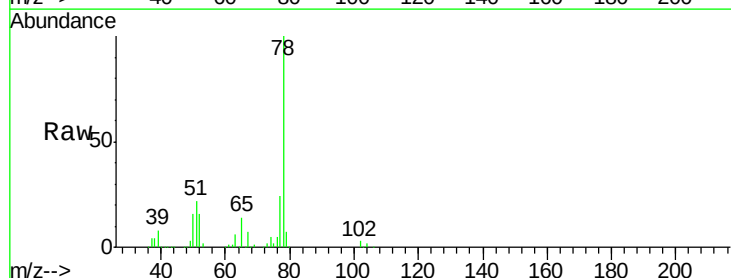
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

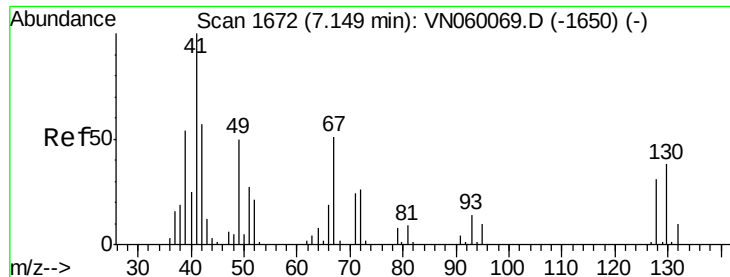
Tgt Ion: 83 Resp: 167086
Ion Ratio Lower Upper
83 100
55 74.2 57.8 86.8
98 47.9 36.4 54.6



#40
Benzene
Concen: 50.41 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 78 Resp: 404466
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

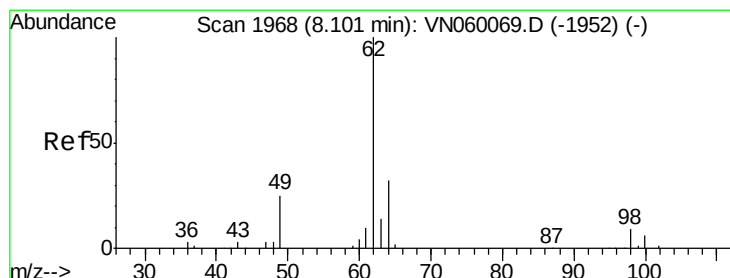
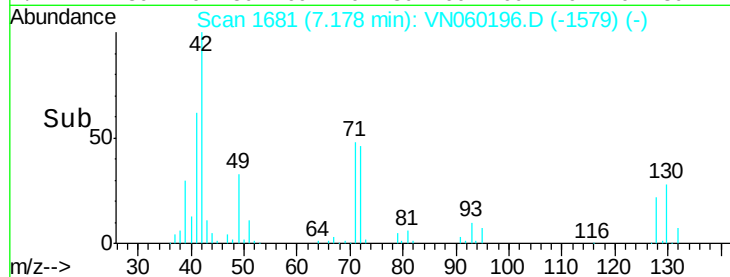
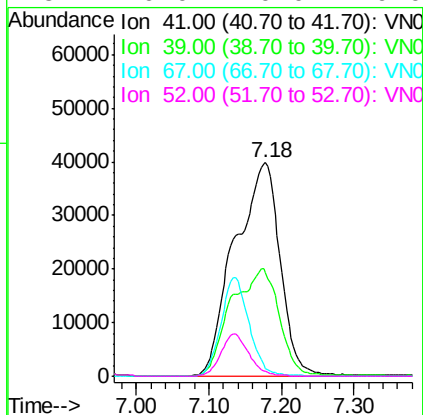
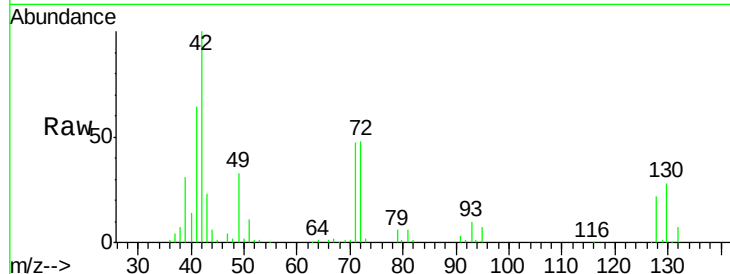




#41
Methacrylonitrile
Concen: 169.01 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

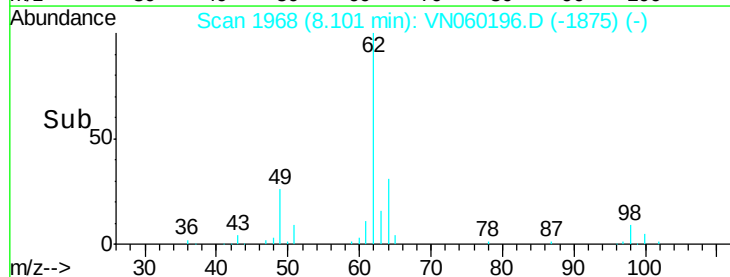
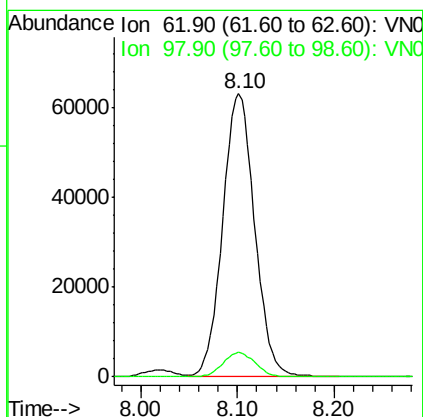
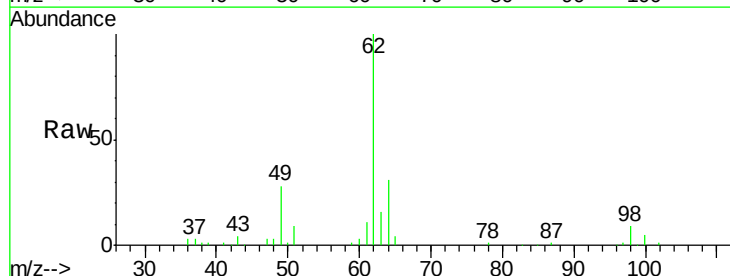
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

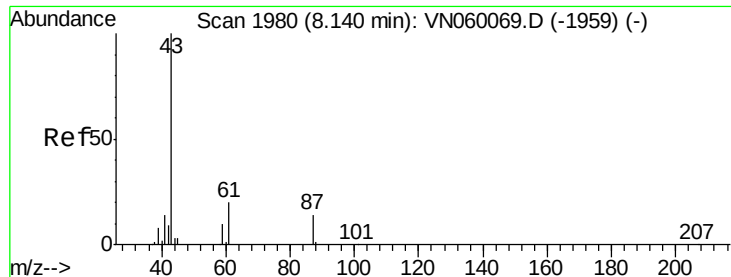
Tgt Ion: 41 Resp: 173285
Ion Ratio Lower Upper
41 100
39 53.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 51.71 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 62 Resp: 145440
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.2





#43

Isopropyl Acetate

Concen: 50.62 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

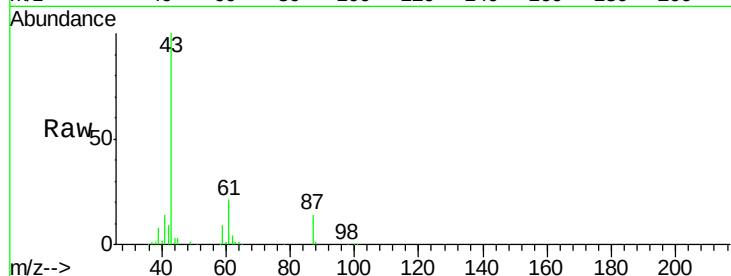
Tgt Ion: 43 Resp: 211555

Ion Ratio Lower Upper

43 100

61 27.2 21.8 32.6

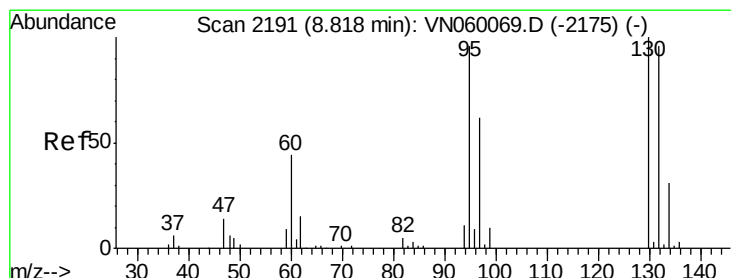
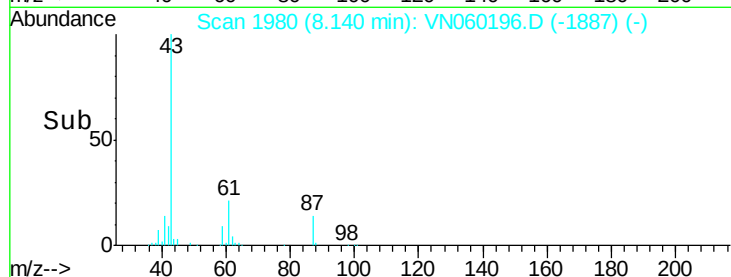
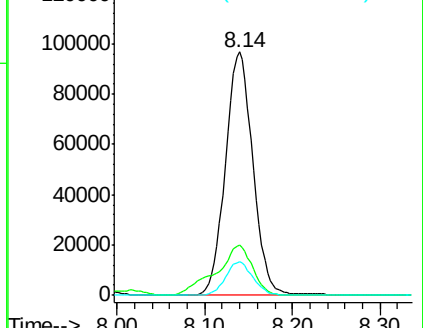
87 13.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#44

Trichloroethene

Concen: 50.76 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060196.D

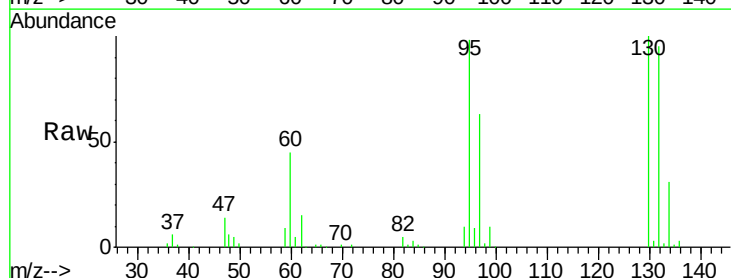
Acq: 24 Feb 2020 9:20

Tgt Ion: 130 Resp: 112791

Ion Ratio Lower Upper

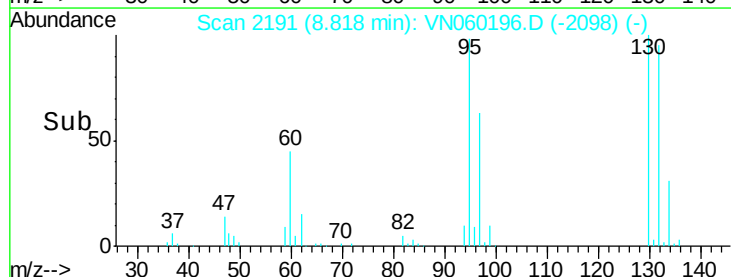
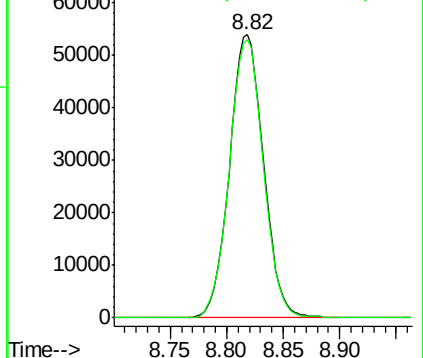
130 100

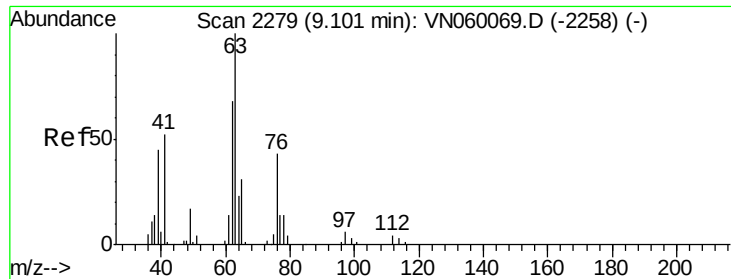
95 98.2 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060069.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 52.13 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

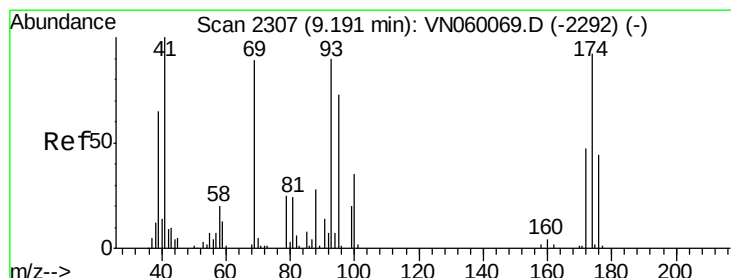
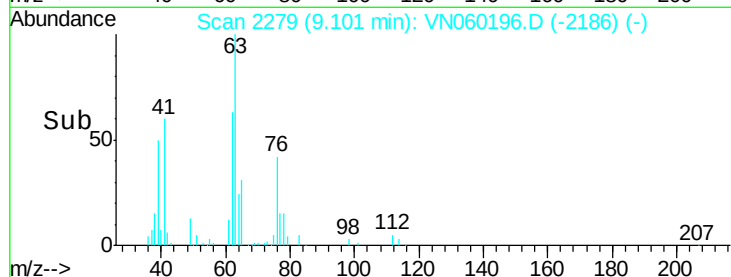
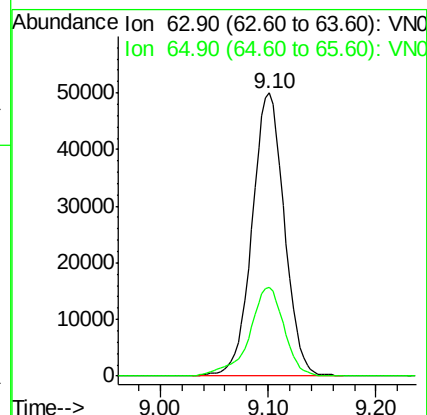
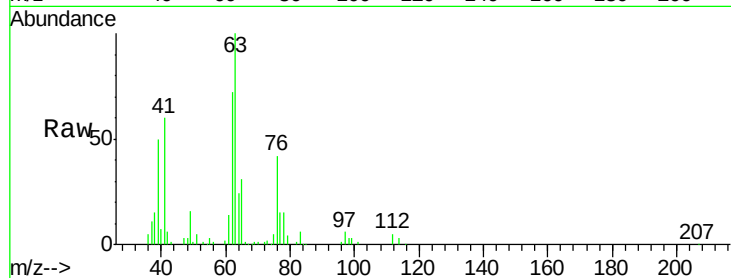
VSTDCCC050

Tgt Ion: 63 Resp: 103557

Ion Ratio Lower Upper

63 100

65 31.4 25.0 37.4



#46

Dibromomethane

Concen: 51.22 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

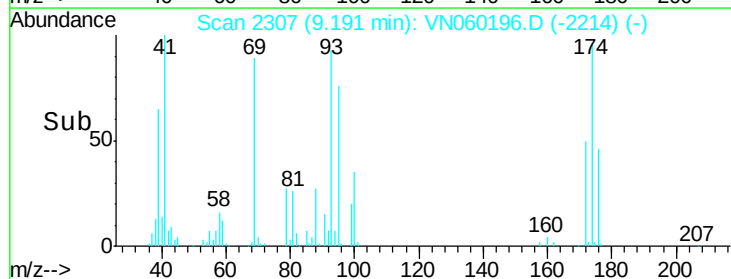
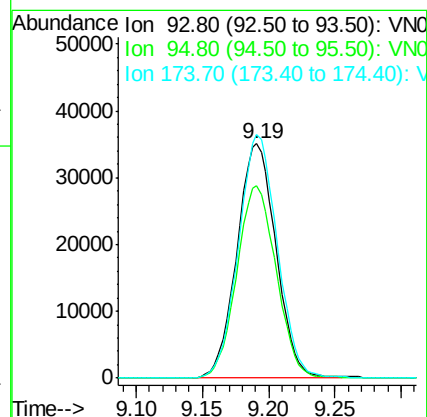
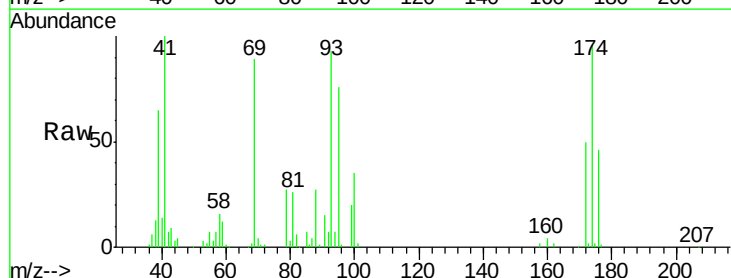
Tgt Ion: 93 Resp: 71900

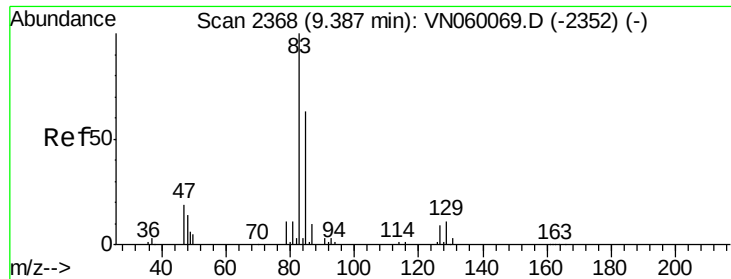
Ion Ratio Lower Upper

93 100

95 82.8 65.0 97.6

174 103.3 82.3 123.5





#47

Bromodichloromethane

Concen: 52.69 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

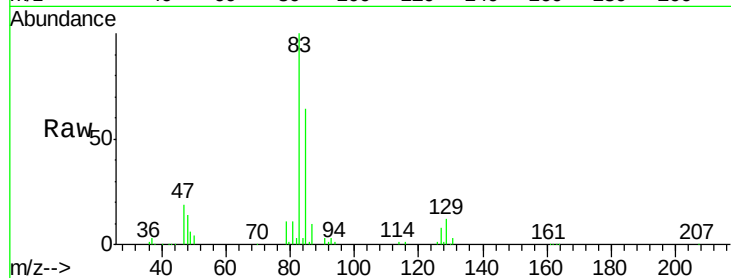
Tgt Ion: 83 Resp: 150393

Ion Ratio Lower Upper

83 100

85 64.4 50.6 75.8

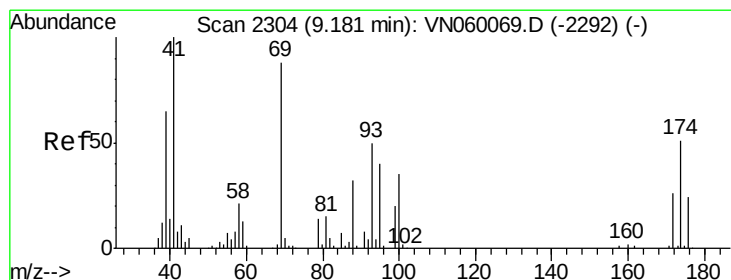
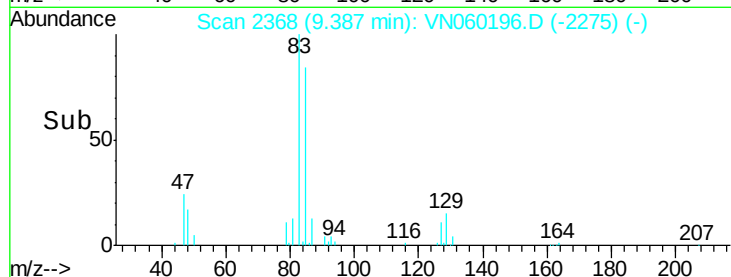
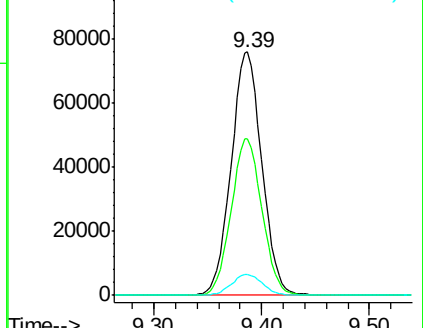
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN060196.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060196.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060196.D (-2275) (-)



#48

Methyl methacrylate

Concen: 50.18 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

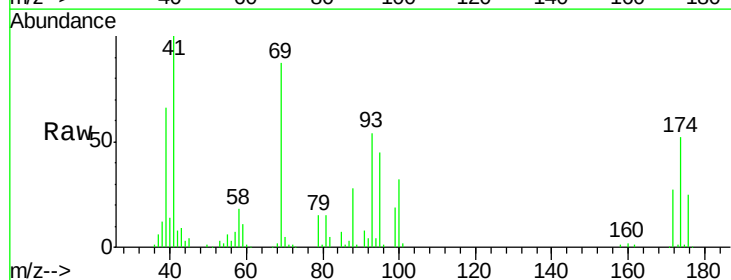
Tgt Ion: 41 Resp: 94093

Ion Ratio Lower Upper

41 100

69 89.5 72.0 108.0

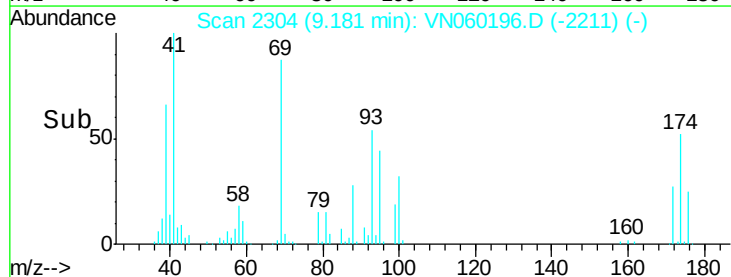
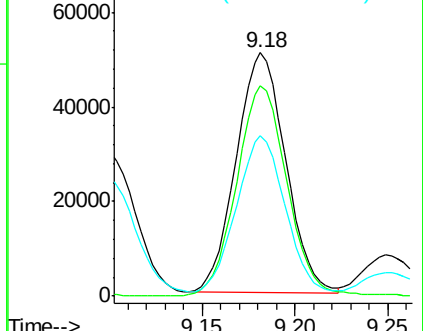
39 64.1 54.1 81.1

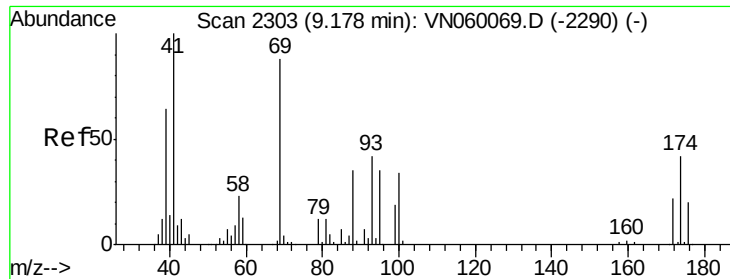


Abundance Ion 41.00 (40.70 to 41.70): VN060196.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060196.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060196.D (-2211) (-)

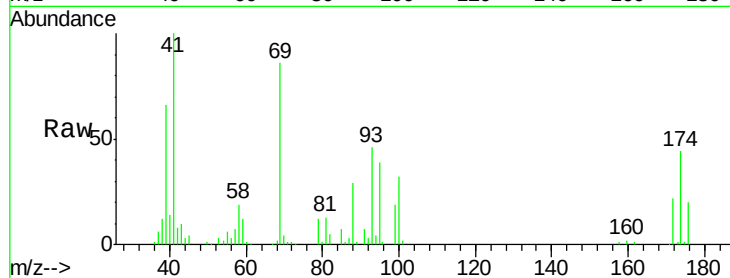




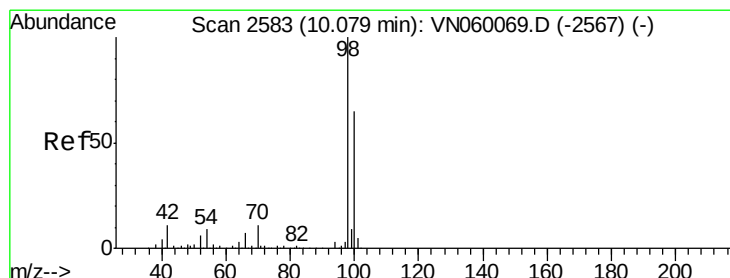
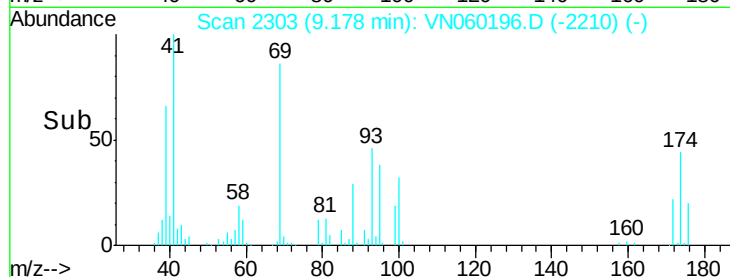
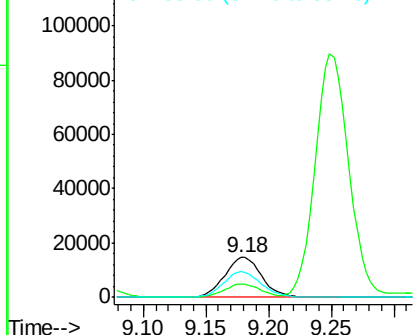
#49
 1,4-Dioxane
 Concen: 941.85 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 30174
 Ion Ratio Lower Upper
 88 100
 43 33.4 26.2 39.2
 58 65.2 53.2 79.8

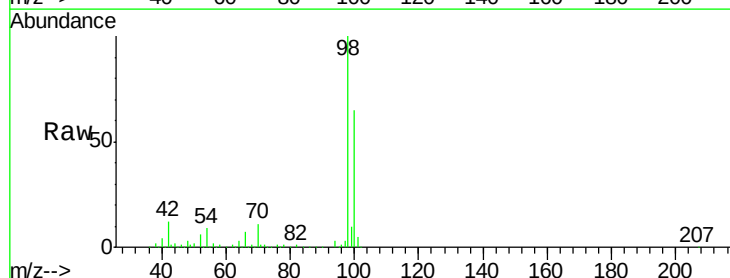


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

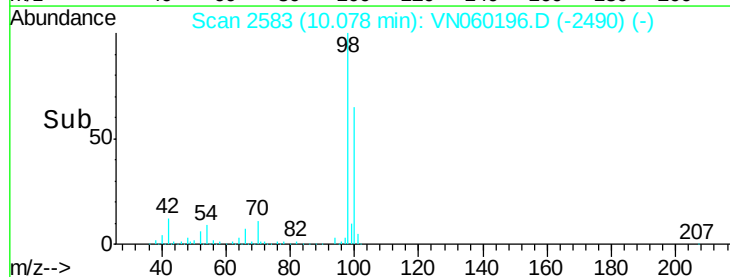
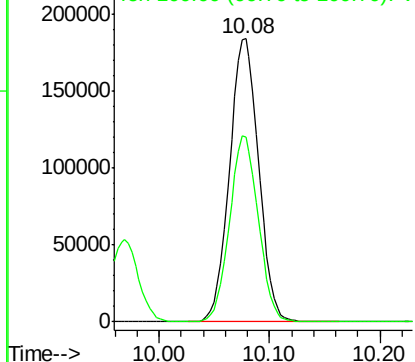


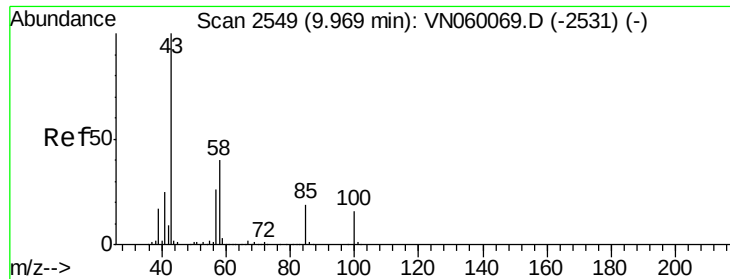
#50
 Toluene-d8
 Concen: 47.59 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion: 98 Resp: 336445
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 252.06 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

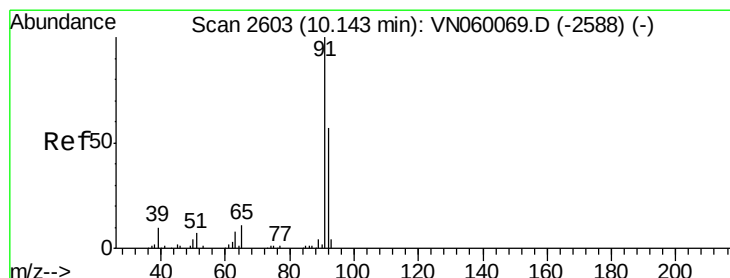
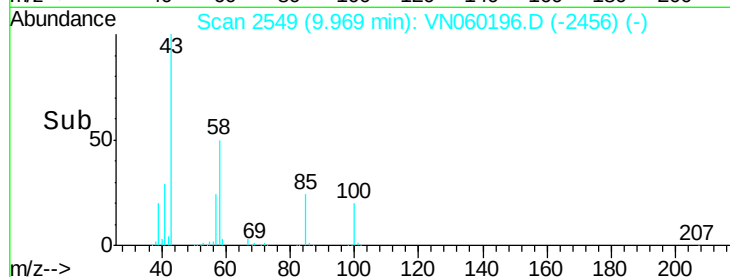
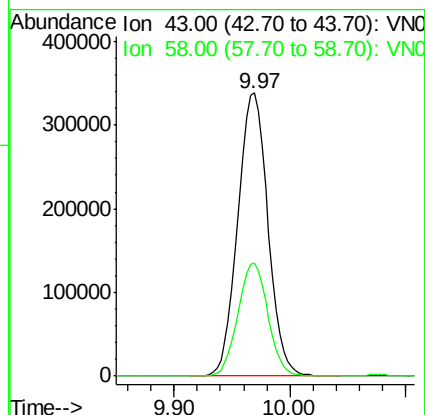
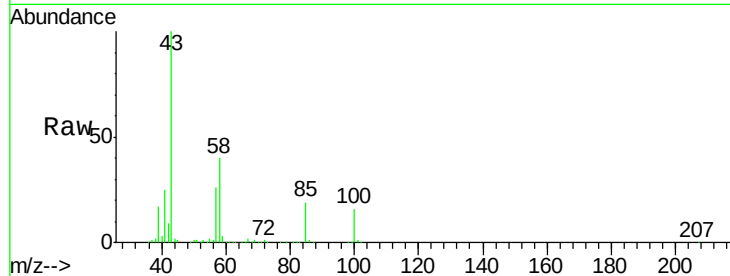
VSTDCCC050

Tgt Ion: 43 Resp: 609725

Ion Ratio Lower Upper

43 100

58 39.6 31.8 47.8



#52

Toluene

Concen: 51.50 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060196.D

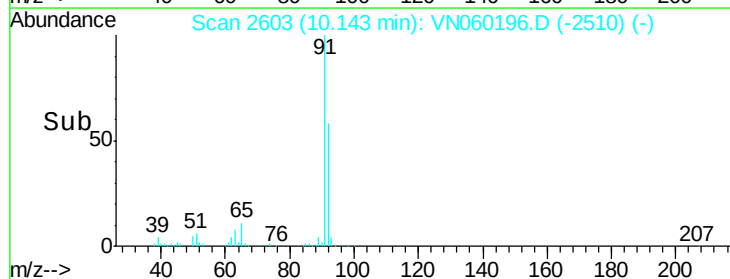
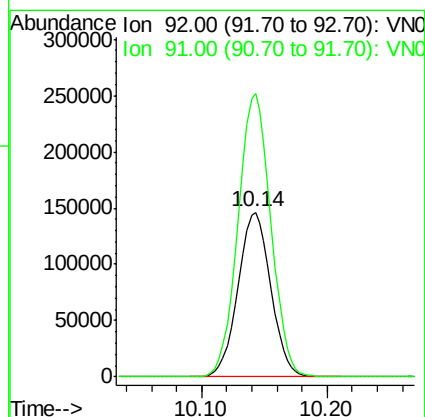
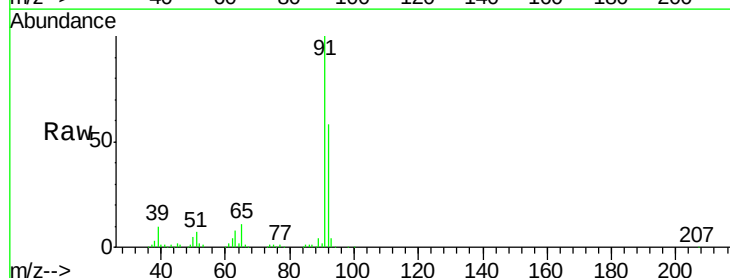
Acq: 24 Feb 2020 9:20

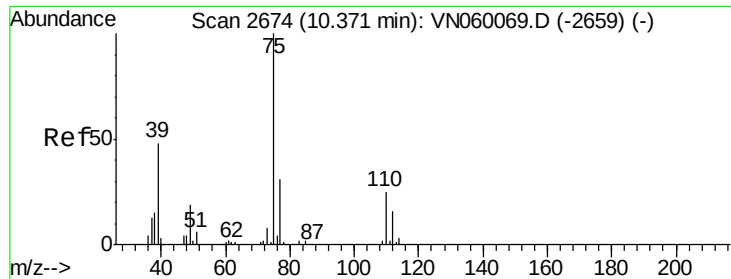
Tgt Ion: 92 Resp: 265005

Ion Ratio Lower Upper

92 100

91 172.4 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 52.68 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampled :

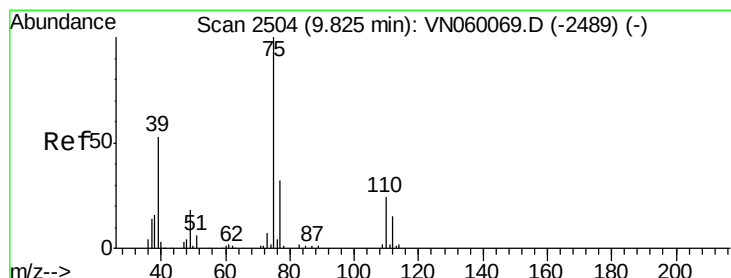
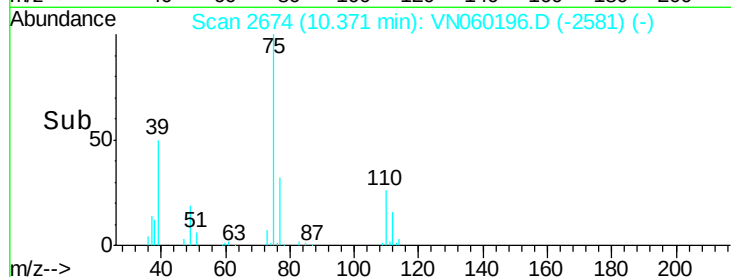
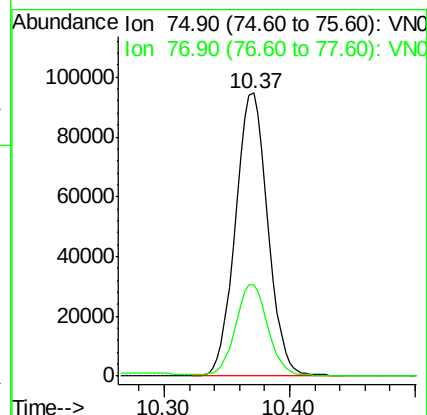
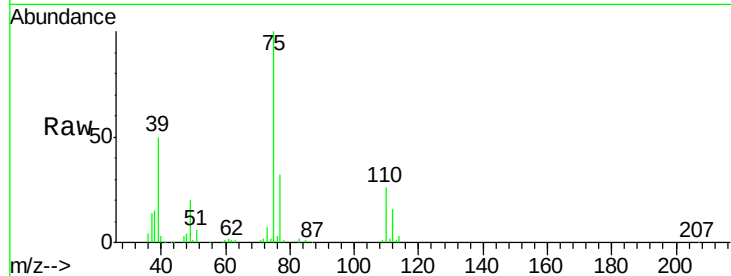
VSTDCCC050

Tgt Ion: 75 Resp: 169711

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 52.57 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

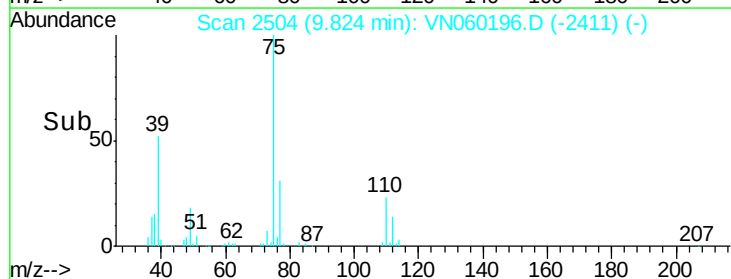
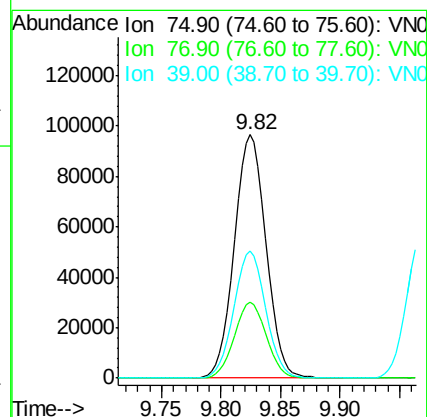
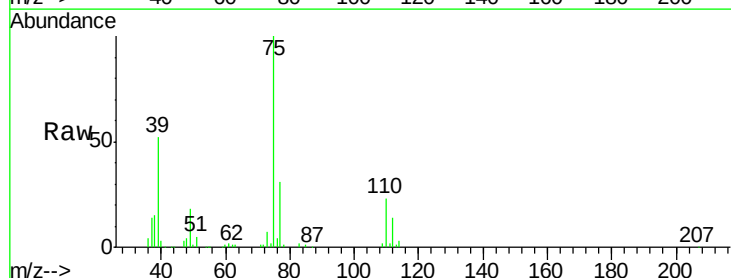
Tgt Ion: 75 Resp: 178351

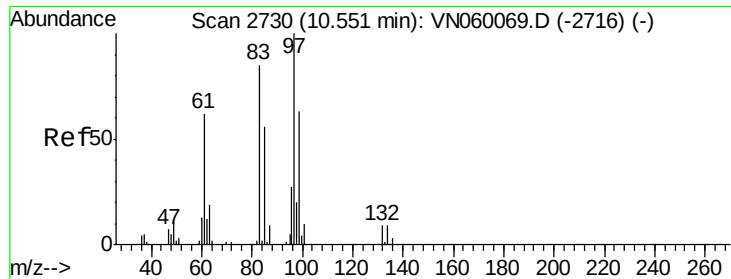
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 52.1 42.2 63.4

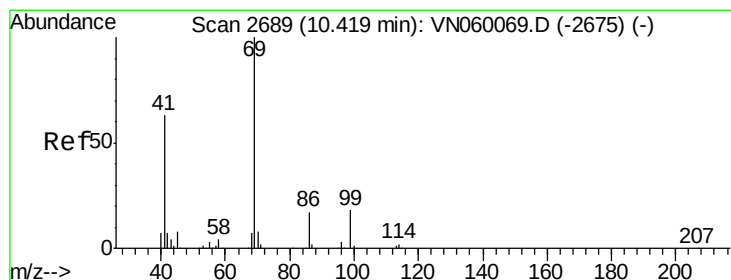
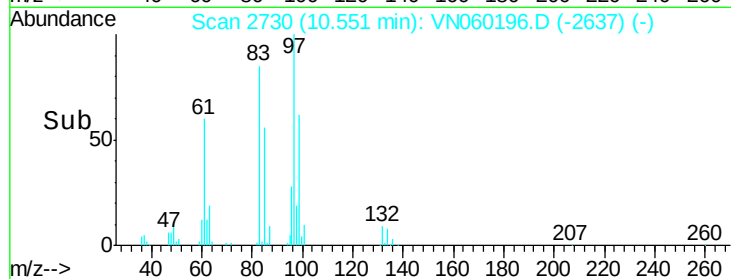
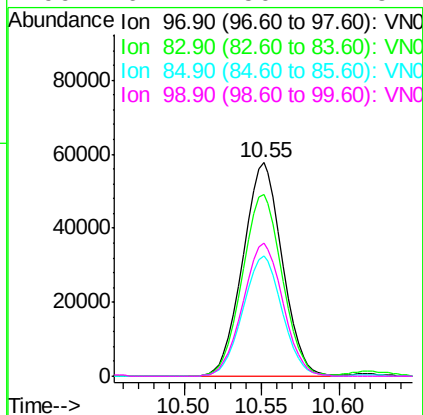
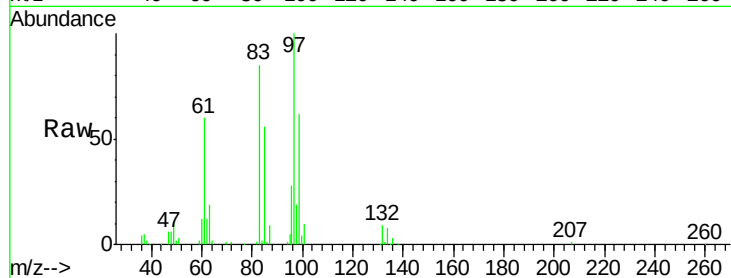




#55
 1,1,2-Trichloroethane
 Concen: 51.03 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

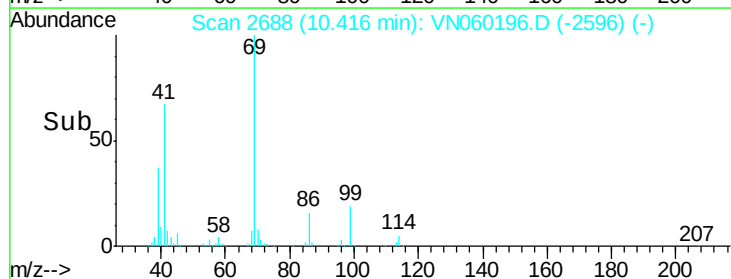
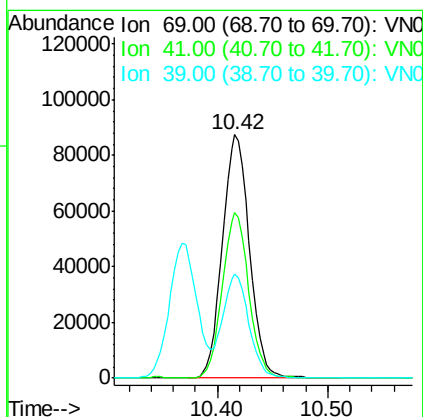
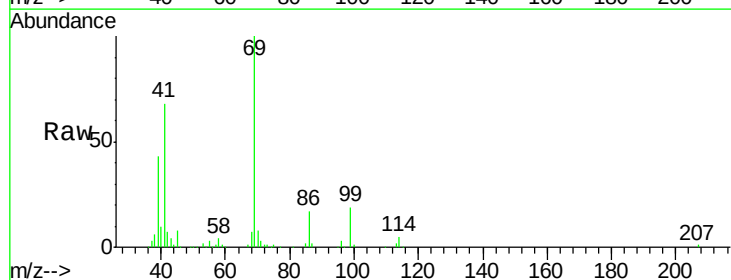
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

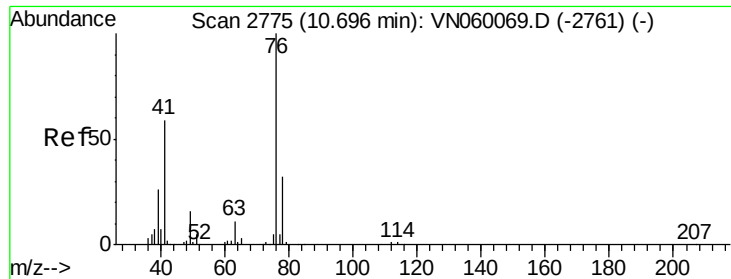
Tgt Ion:	97	Resp:	102434
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.9	101.9
85	56.1	44.6	67.0
99	62.2	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 52.38 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion:	69	Resp:	148746
Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.1	76.7
39	41.6	33.8	50.8

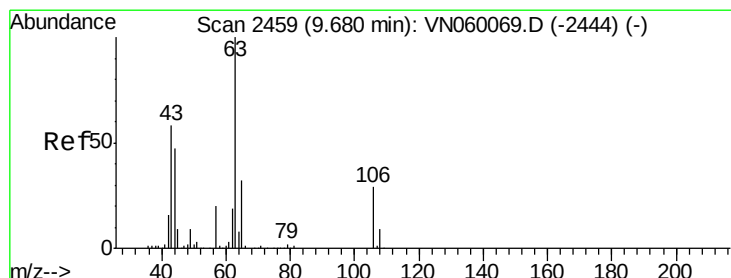
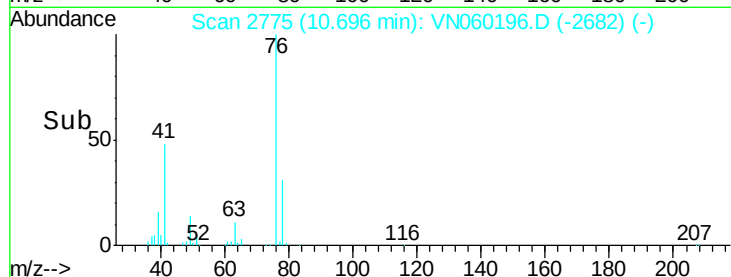
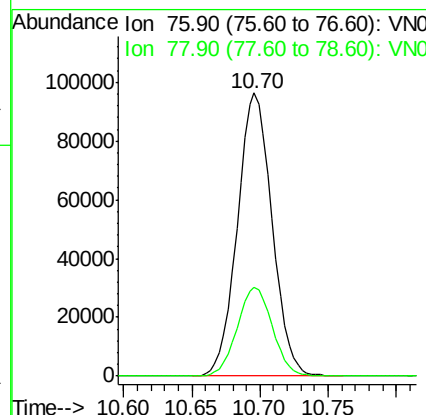
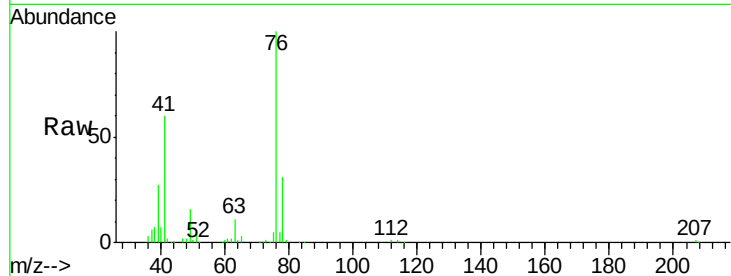




#57
 1,3-Dichloropropane
 Concen: 51.25 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

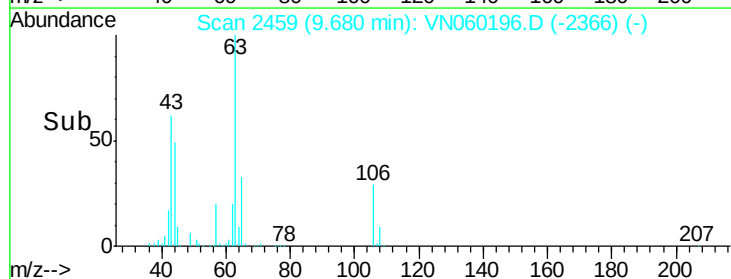
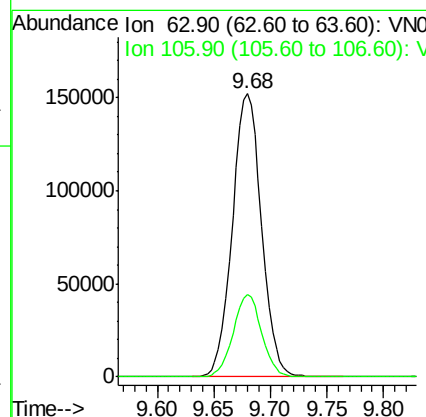
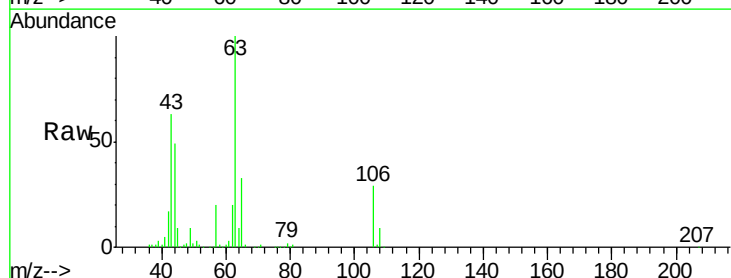
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

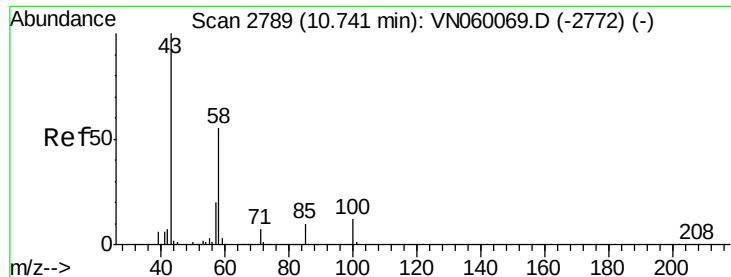
Tgt Ion: 76 Resp: 169749
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 206.20 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion: 63 Resp: 272795
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.9 34.3

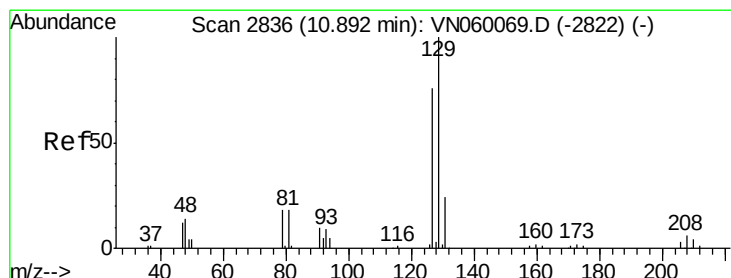
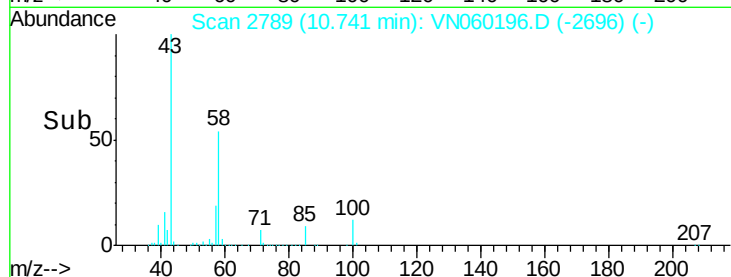
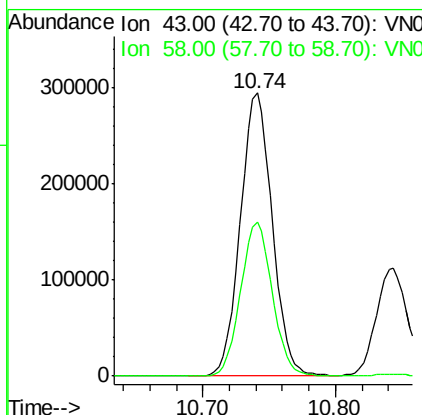
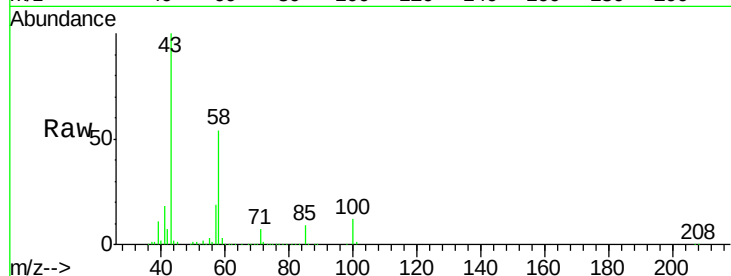




#59
2-Hexanone
Concen: 263.43 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

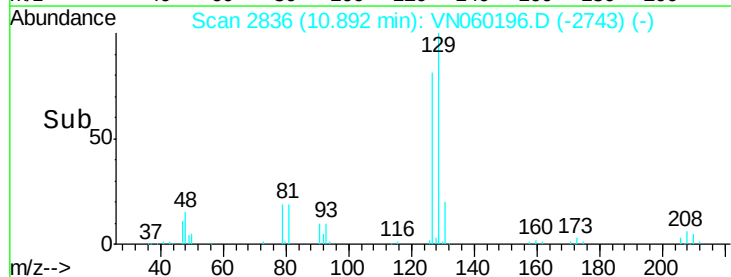
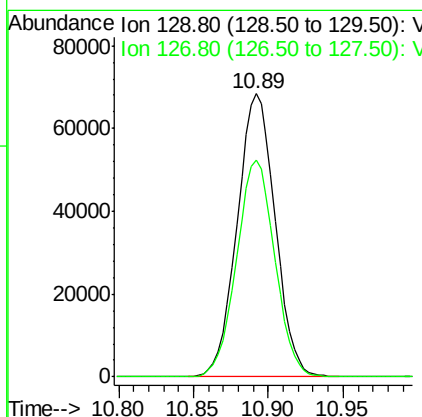
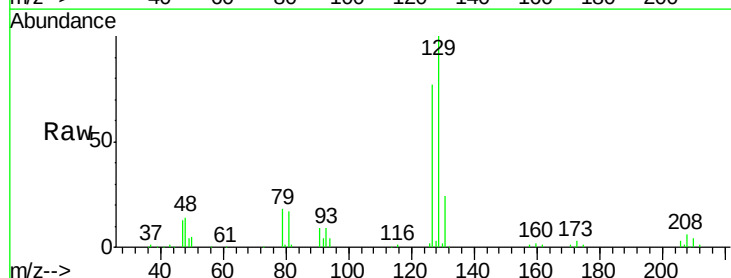
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

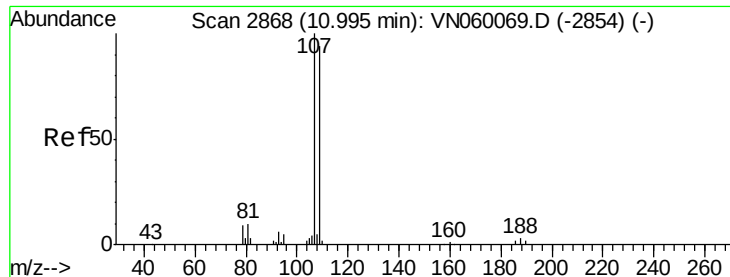
Tgt Ion: 43 Resp: 492244
Ion Ratio Lower Upper
43 100
58 54.2 27.5 82.4



#60
Dibromochloromethane
Concen: 52.46 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 129 Resp: 120840
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.1

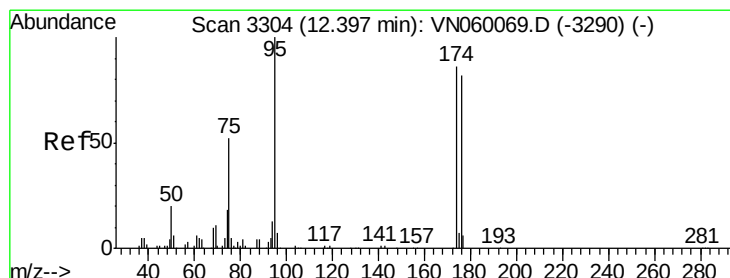
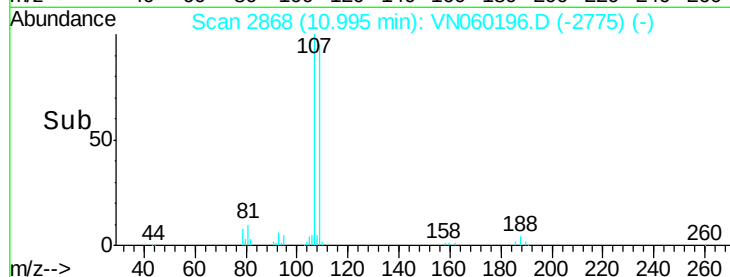
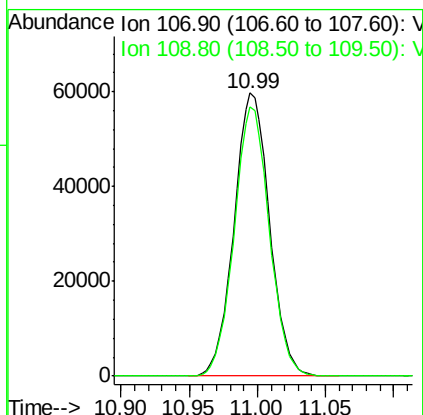
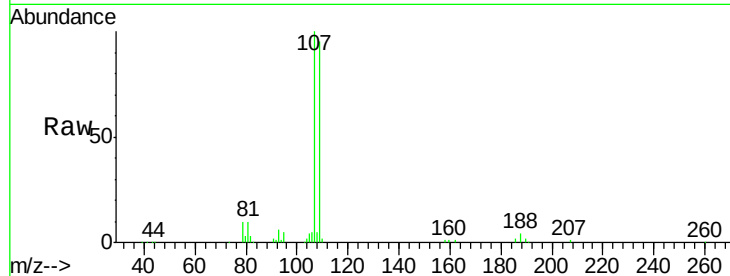




#61
 1,2-Dibromoethane
 Concen: 51.26 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

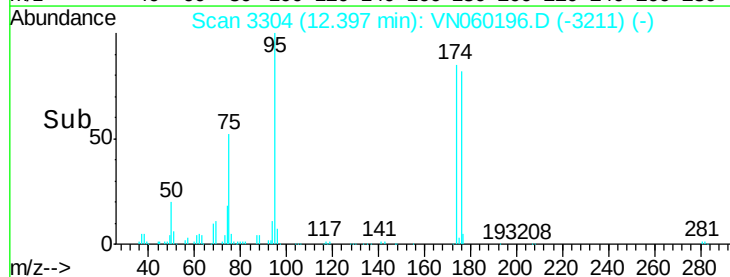
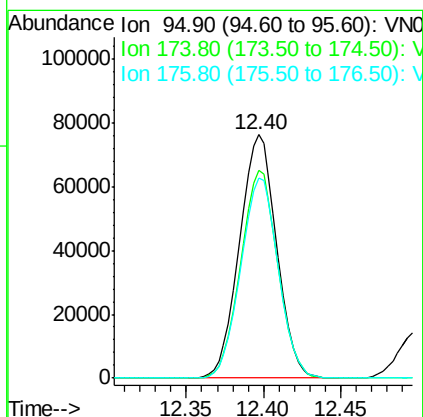
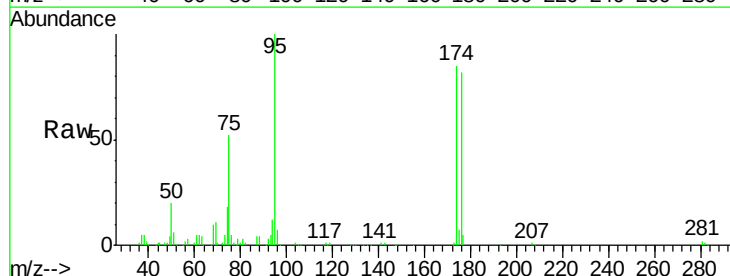
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

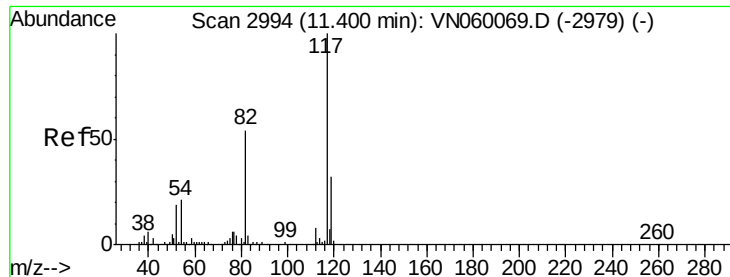
Tgt Ion: 107 Resp: 107870
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.02 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion: 95 Resp: 127332
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 169.8
 176 83.1 0.0 164.8

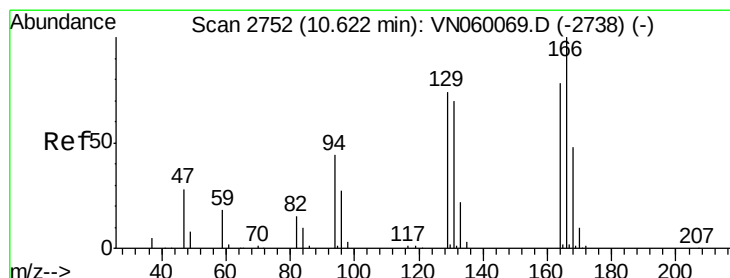
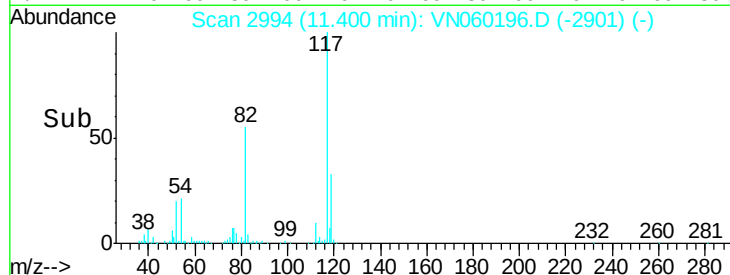
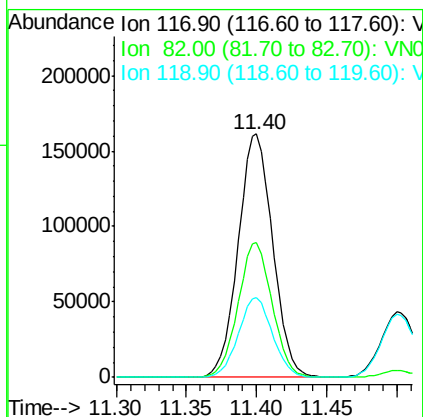
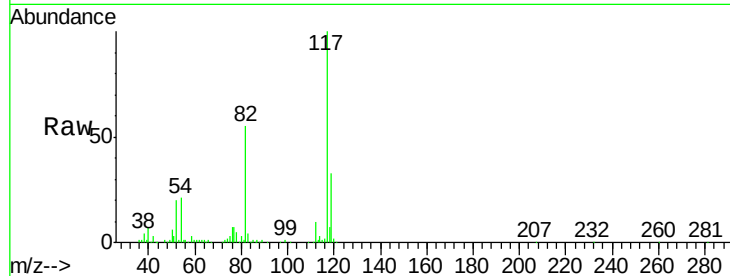




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

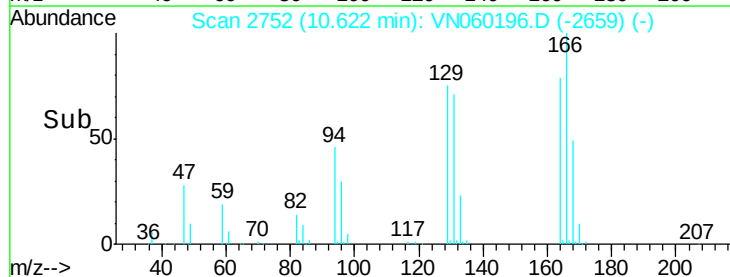
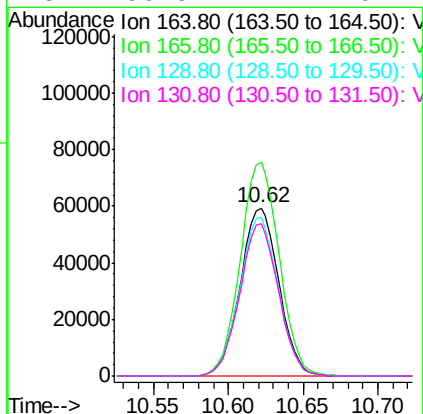
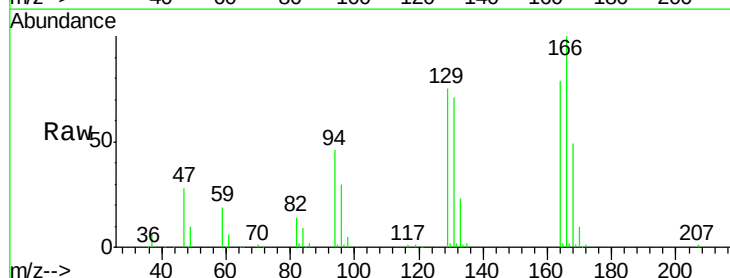
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

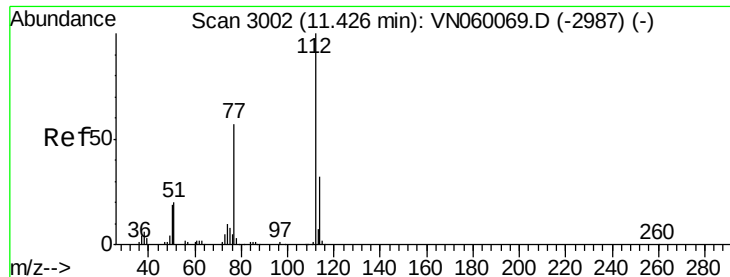
Tgt Ion:117 Resp: 277005
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.0
119 33.0 25.8 38.6



#64
Tetrachloroethene
Concen: 50.60 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion:164 Resp: 106549
Ion Ratio Lower Upper
164 100
166 127.2 101.9 152.9
129 94.9 75.4 113.0
131 90.9 71.4 107.2





#65

Chlorobenzene

Concen: 50.51 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

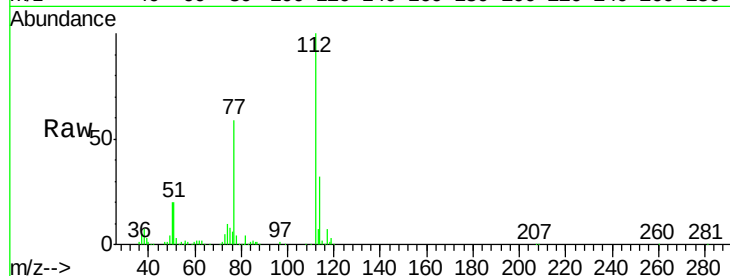
VSTDCCC050

Tgt Ion:112 Resp: 285070

Ion Ratio Lower Upper

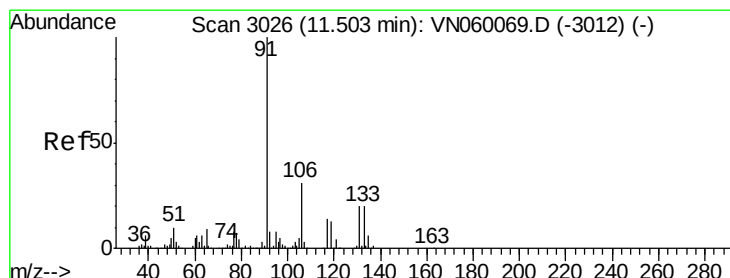
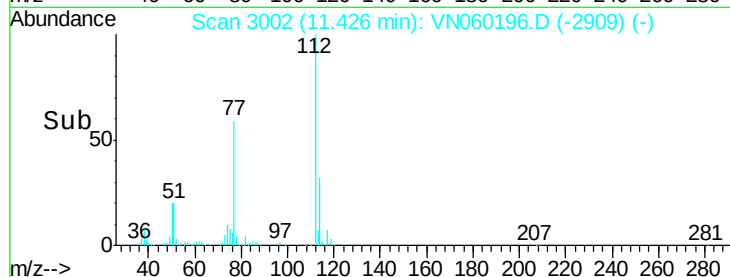
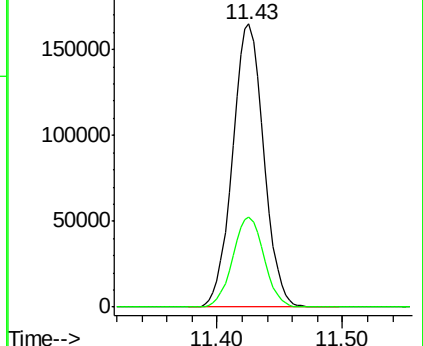
112 100

114 31.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.13 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

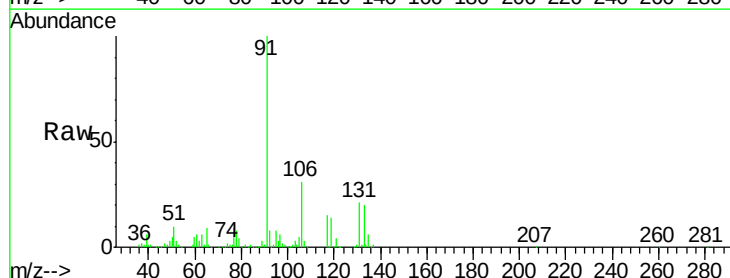
Tgt Ion:131 Resp: 111286

Ion Ratio Lower Upper

131 100

133 94.3 47.9 143.7

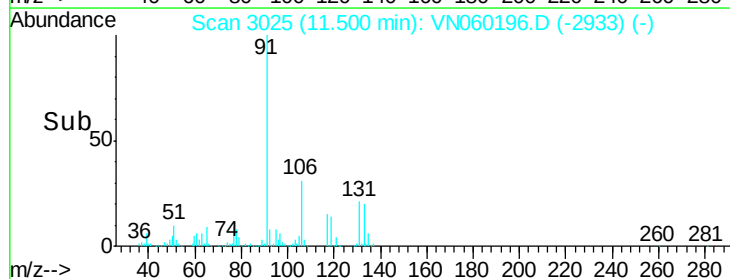
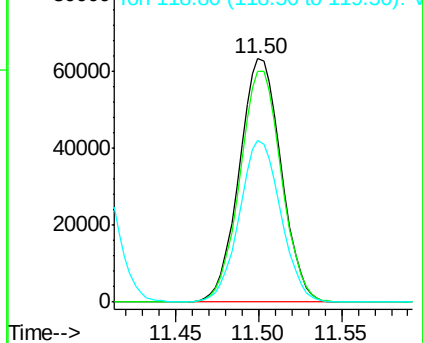
119 65.6 32.6 97.7

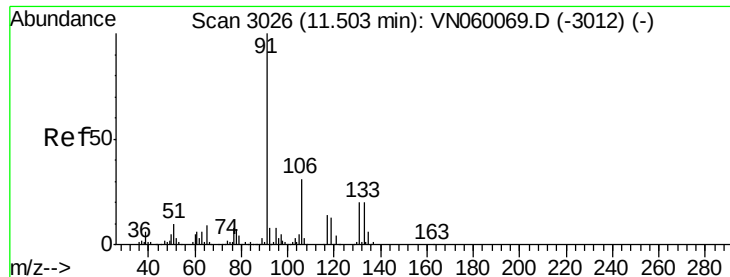


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

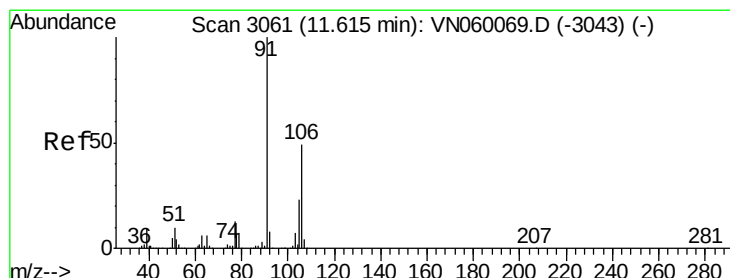
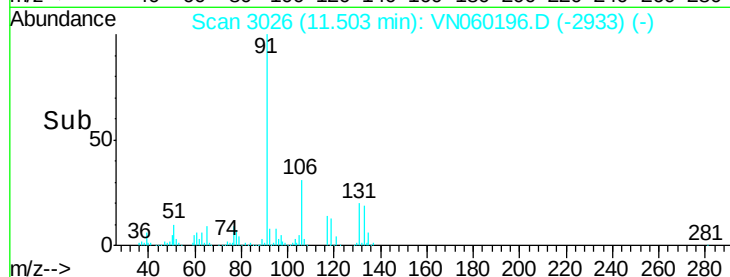
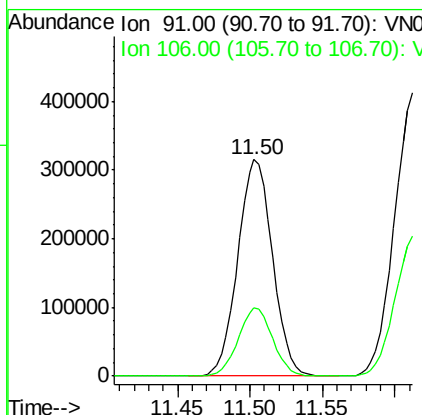
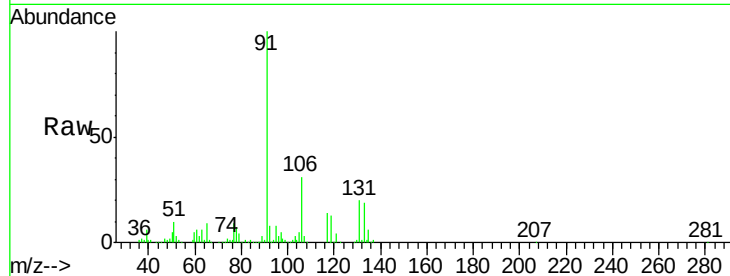




#67
Ethyl Benzene
Concen: 51.54 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

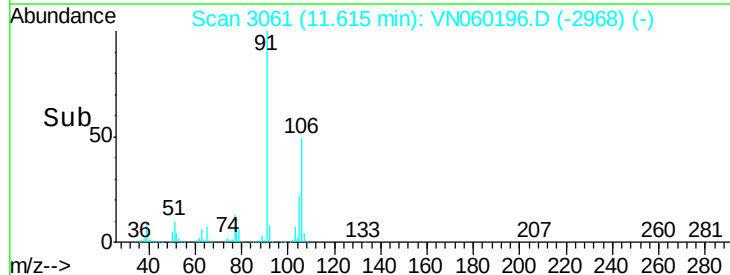
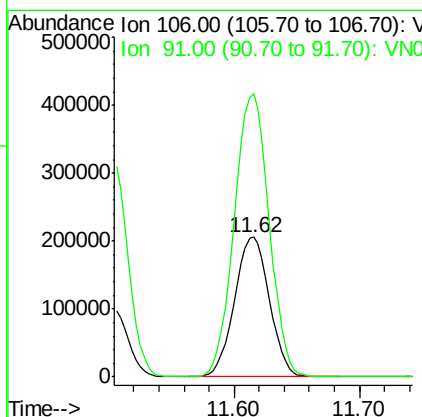
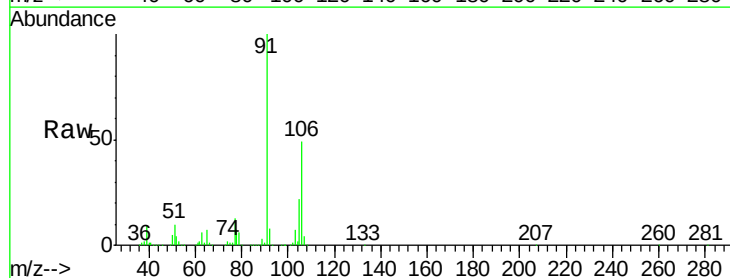
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

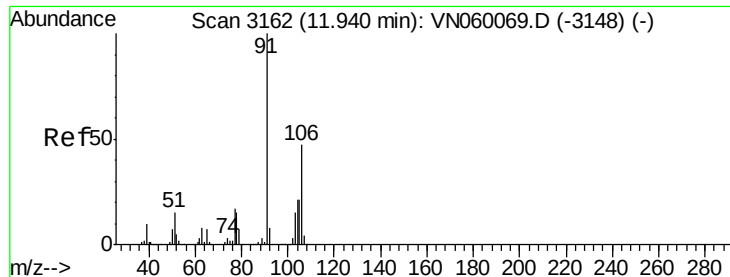
Tgt Ion: 91 Resp: 524584
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7



#68
m/p-Xylenes
Concen: 103.88 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 106 Resp: 396844
Ion Ratio Lower Upper
106 100
91 202.6 162.7 244.1

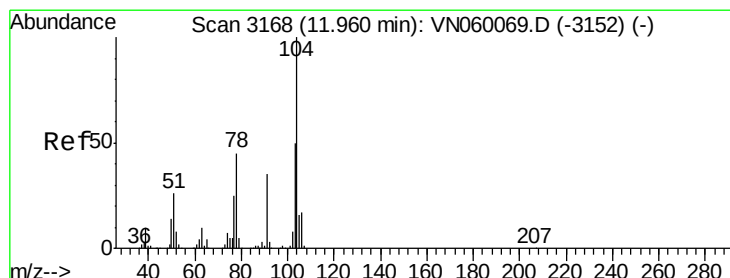
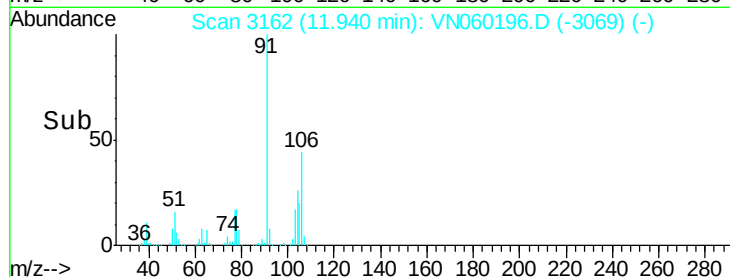
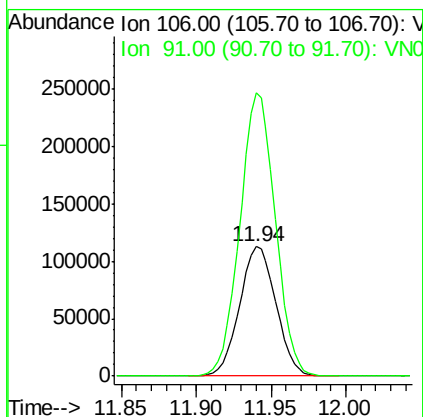
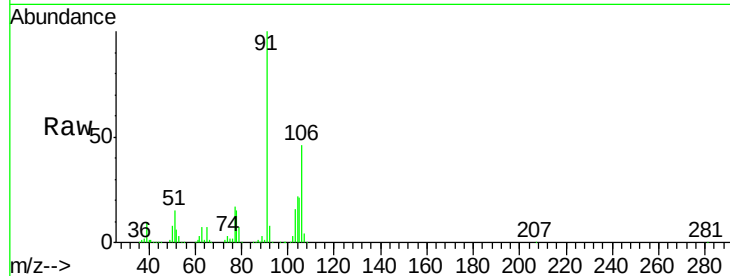




#69
o-Xylene
Concen: 51.79 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

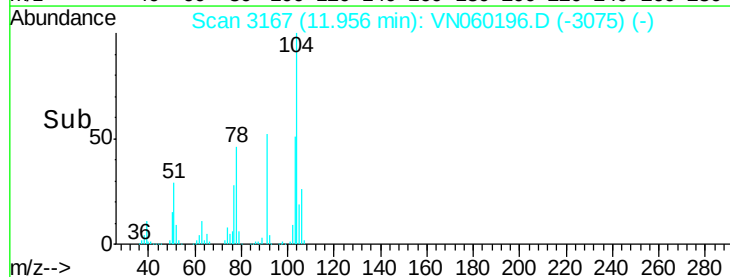
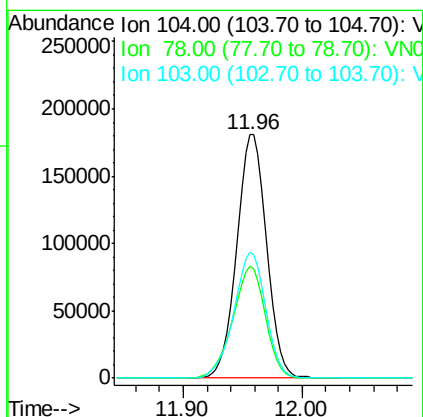
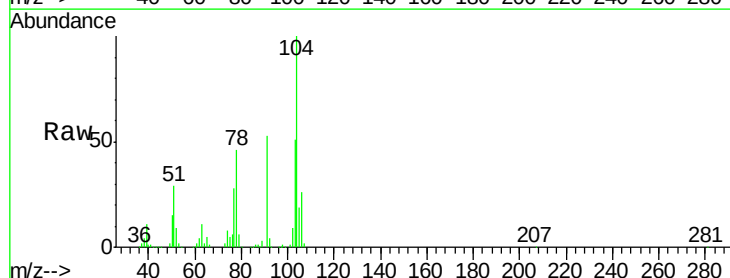
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

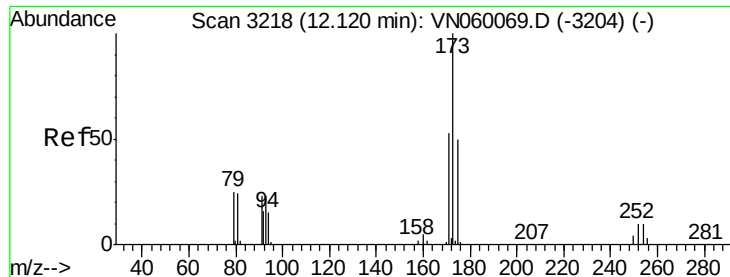
Tgt Ion:106 Resp: 190485
Ion Ratio Lower Upper
106 100
91 213.0 107.2 321.6



#70
Styrene
Concen: 53.01 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion:104 Resp: 314432
Ion Ratio Lower Upper
104 100
78 50.0 40.2 60.2
103 55.0 44.3 66.5





#71

Bromoform

Concen: 52.56 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

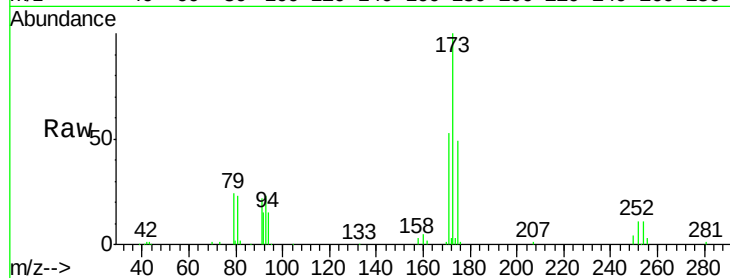
Tgt Ion:173 Resp: 90259

Ion Ratio Lower Upper

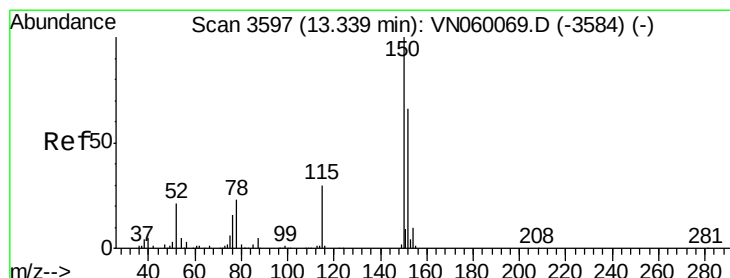
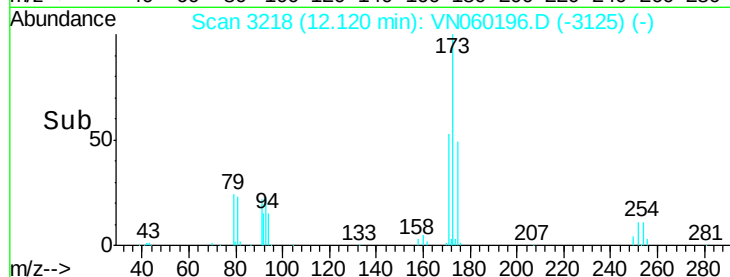
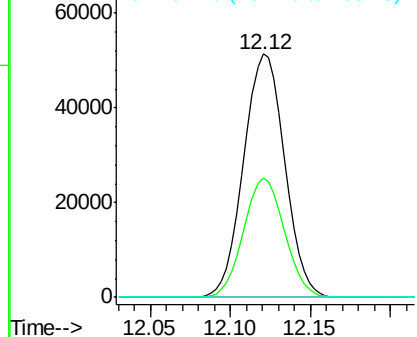
173 100

175 48.5 24.9 74.6

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: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

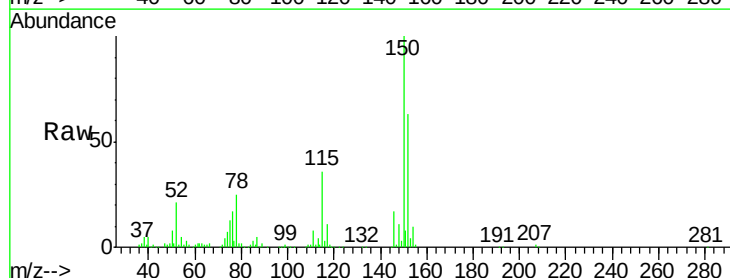
Tgt Ion:152 Resp: 140972

Ion Ratio Lower Upper

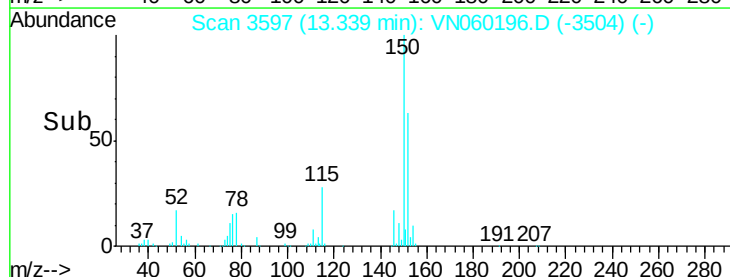
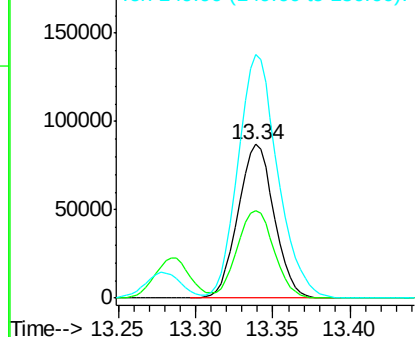
152 100

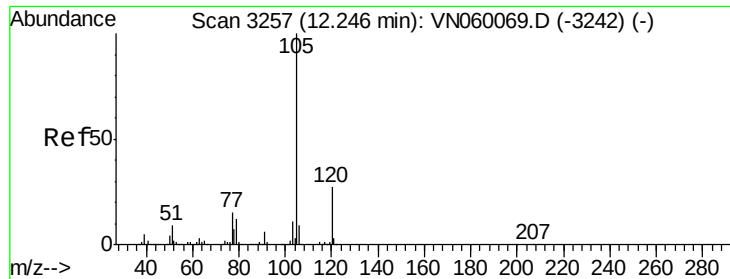
115 58.4 28.9 86.8

150 174.7 0.0 342.4



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





#73

Isopropylbenzene

Concen: 49.56 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

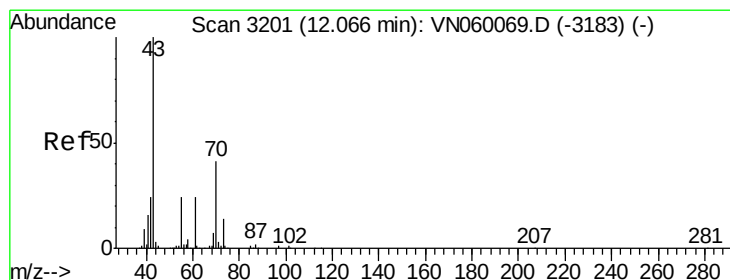
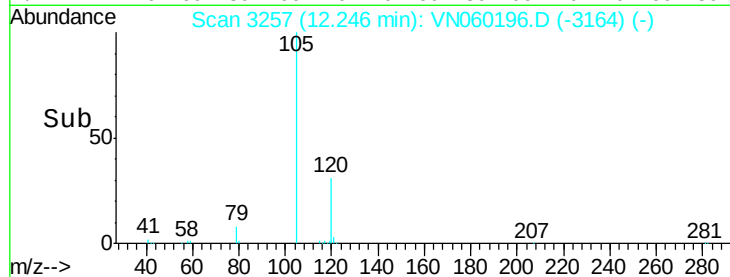
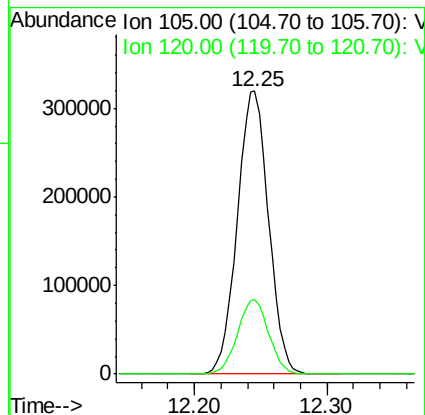
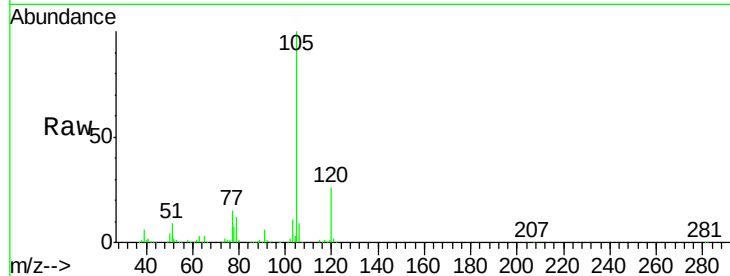
VSTDCCC050

Tgt Ion: 105 Resp: 521766

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 50.09 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Tgt Ion: 43 Resp: 190125

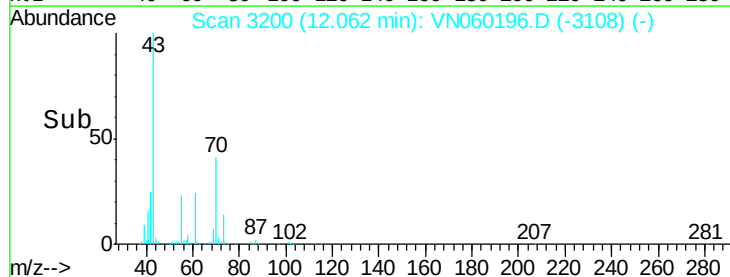
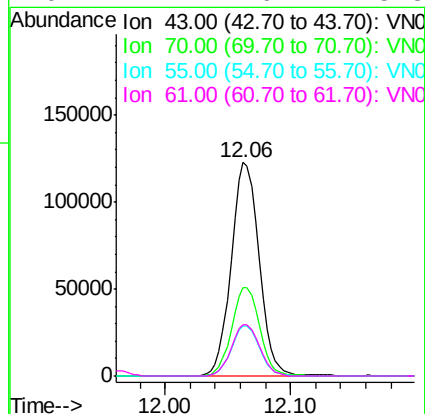
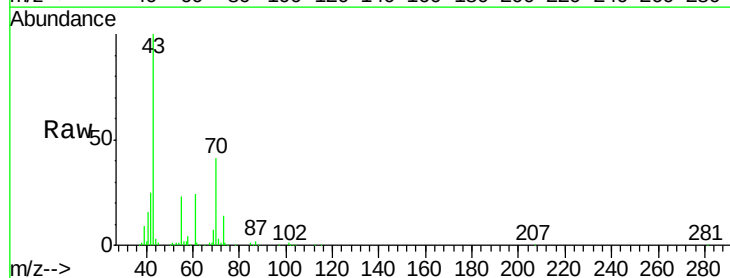
Ion Ratio Lower Upper

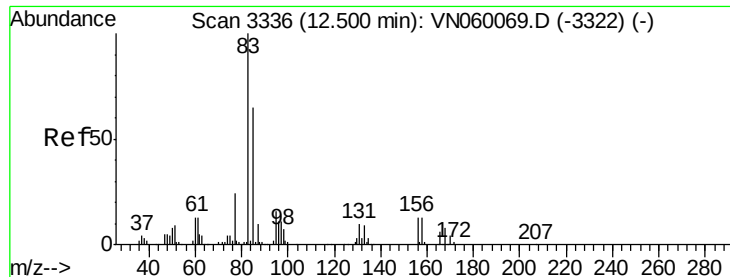
43 100

70 41.7 33.4 50.0

55 23.8 18.8 28.2

61 24.4 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.27 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

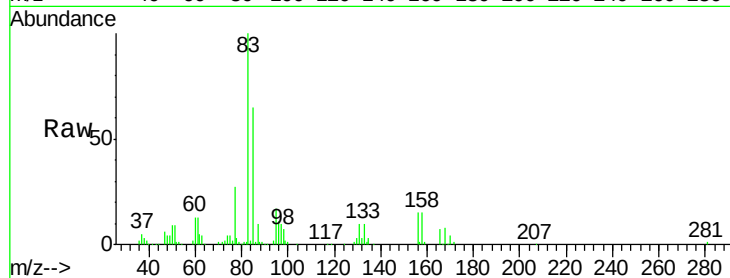
Tgt Ion: 83 Resp: 146273

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

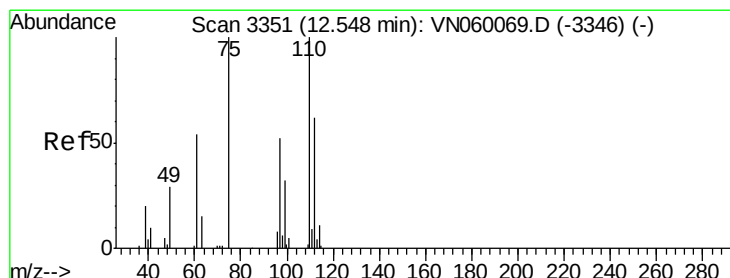
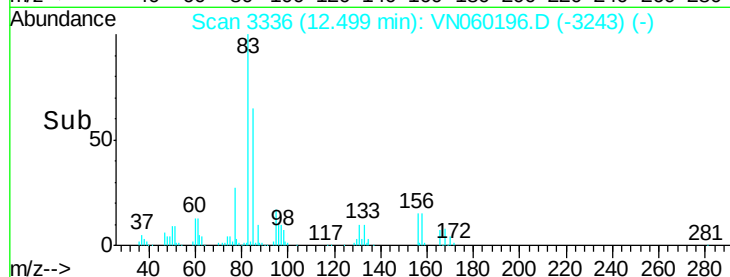
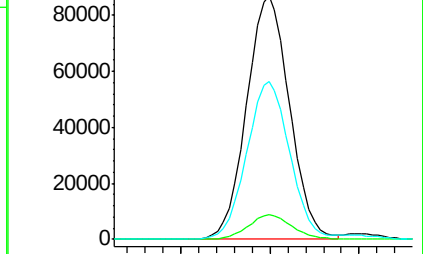
85 65.1 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060196.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060196.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060196.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 73.43 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060196.D

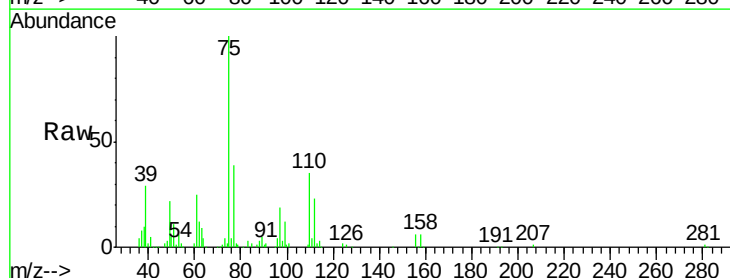
Acq: 24 Feb 2020 9:20

Tgt Ion: 75 Resp: 198041

Ion Ratio Lower Upper

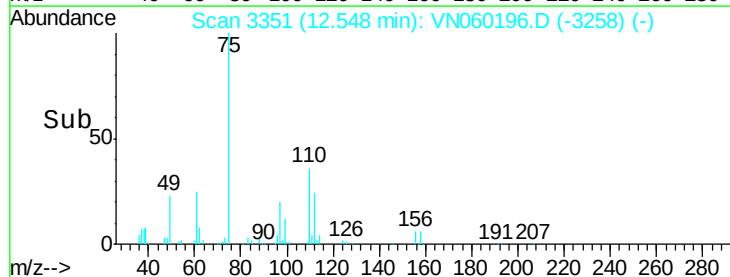
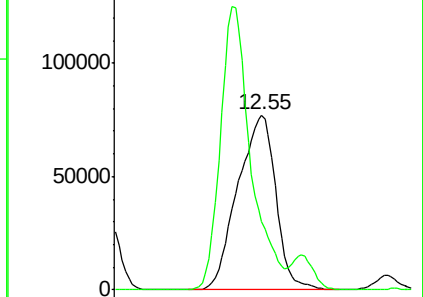
75 100

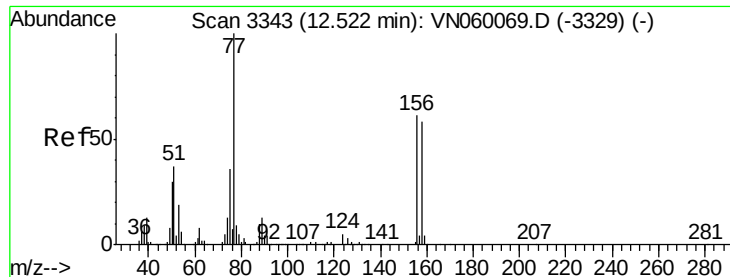
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060196.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060196.D (-3346) (-)





#77

Bromobenzene

Concen: 49.82 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

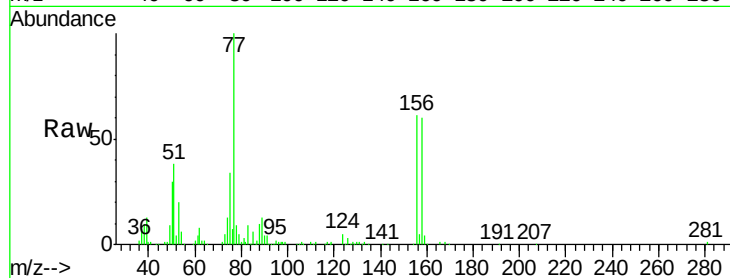
Tgt Ion:156 Resp: 130146

Ion Ratio Lower Upper

156 100

77 197.2 98.7 296.1

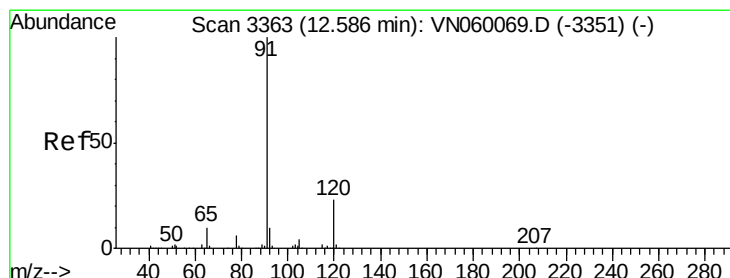
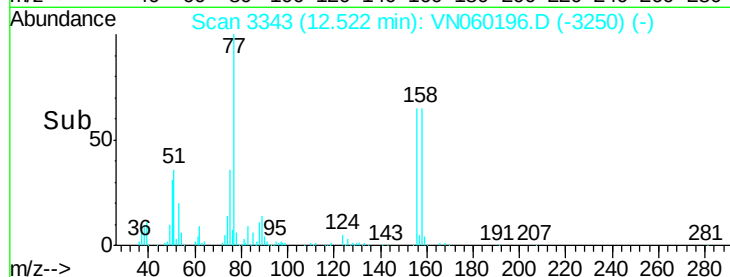
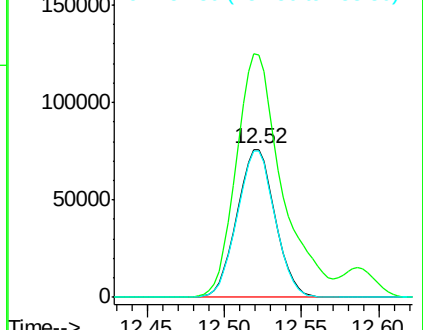
158 98.1 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.98 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060196.D

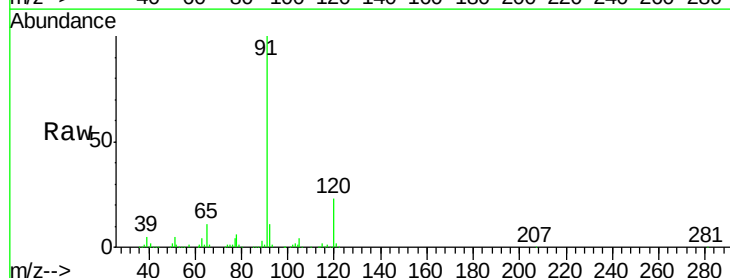
Acq: 24 Feb 2020 9:20

Tgt Ion: 91 Resp: 599458

Ion Ratio Lower Upper

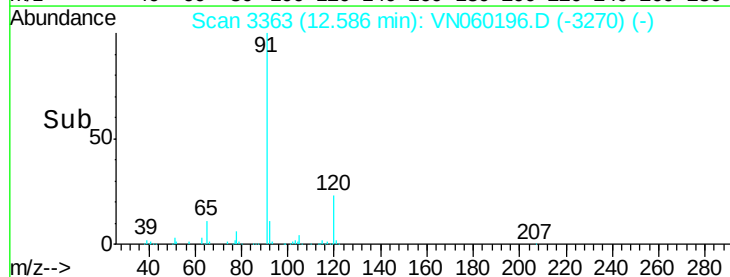
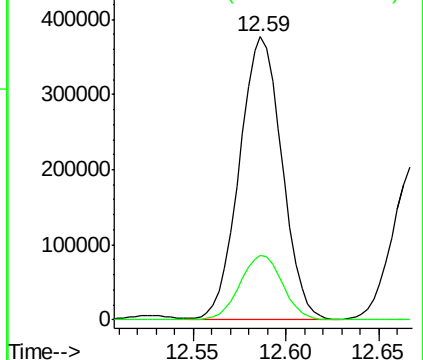
91 100

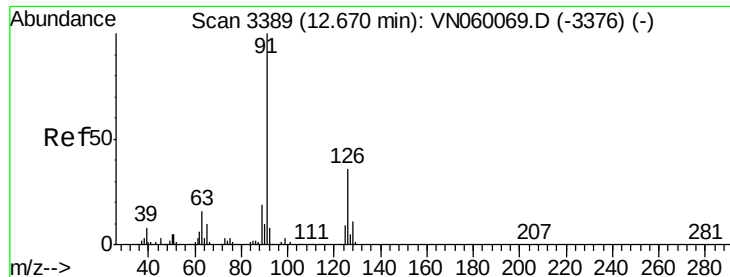
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.46 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

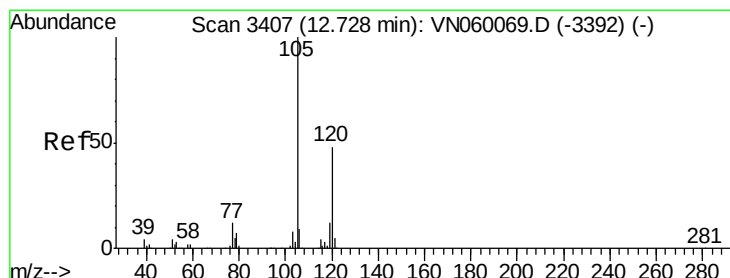
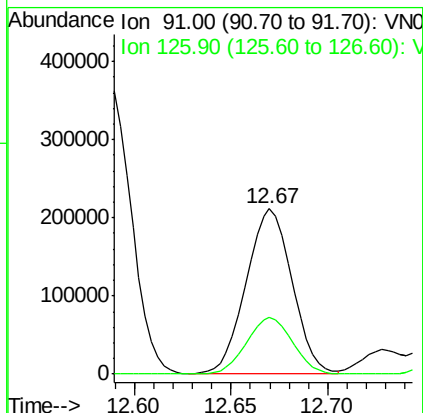
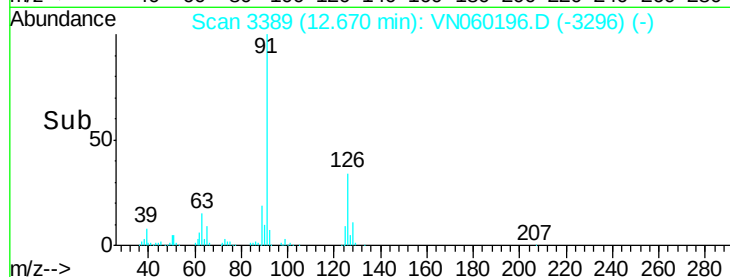
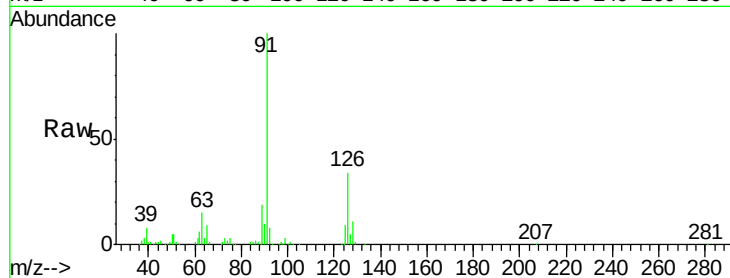
VSTDCCC050

Tgt Ion: 91 Resp: 348653

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 50.68 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060196.D

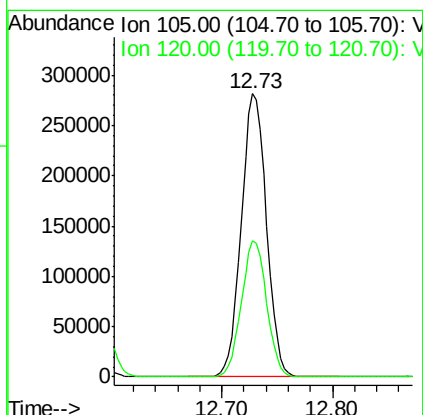
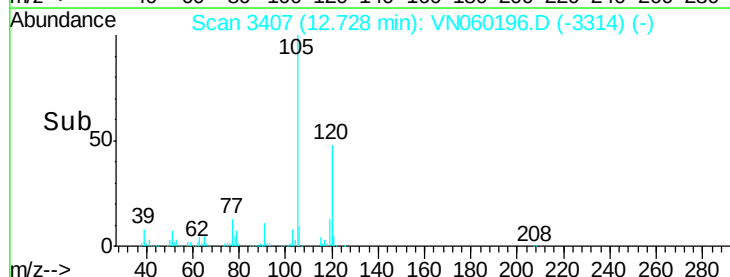
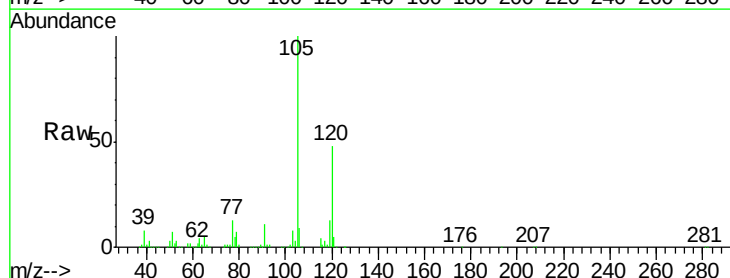
Acq: 24 Feb 2020 9:20

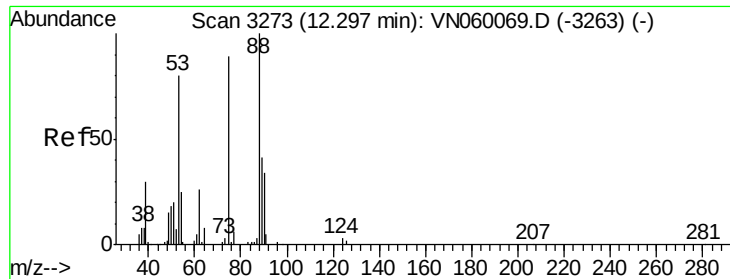
Tgt Ion: 105 Resp: 443586

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9

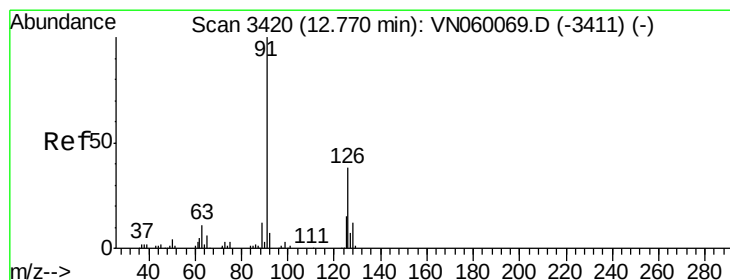
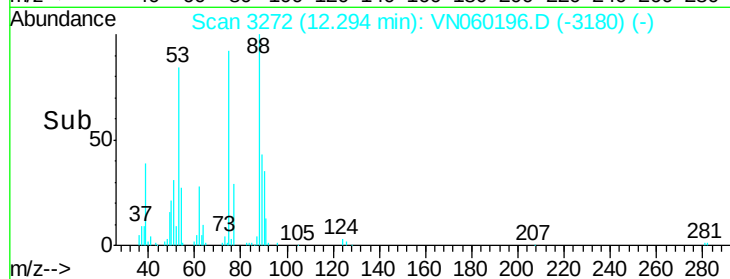
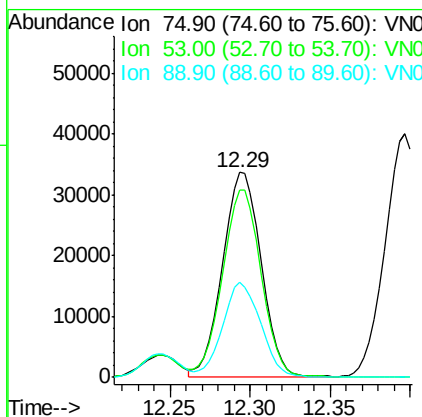
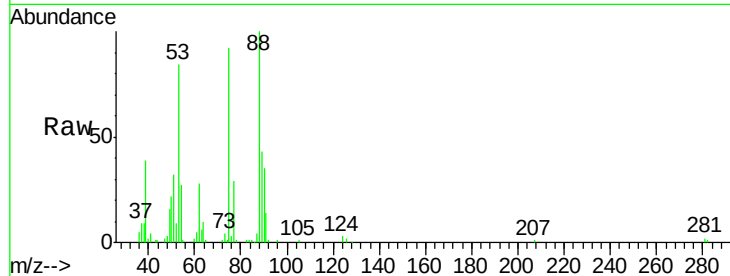




#81
trans-1,4-Dichloro-2-butene
Concen: 50.70 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

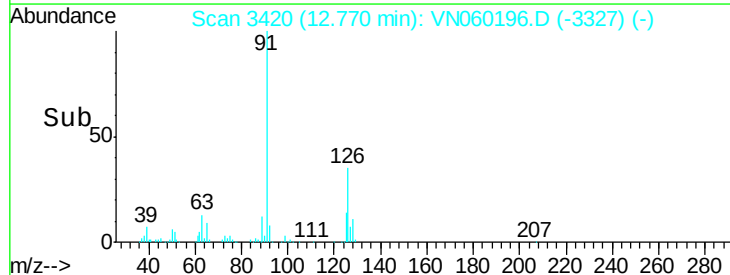
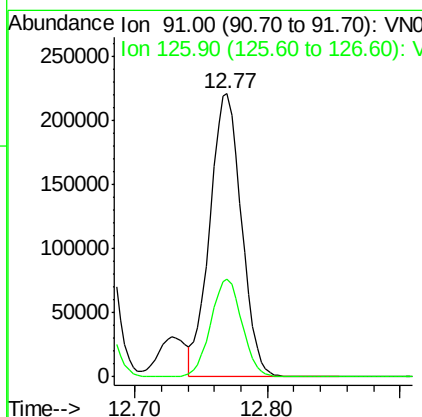
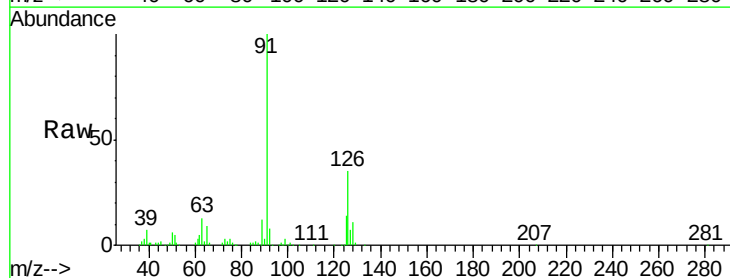
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

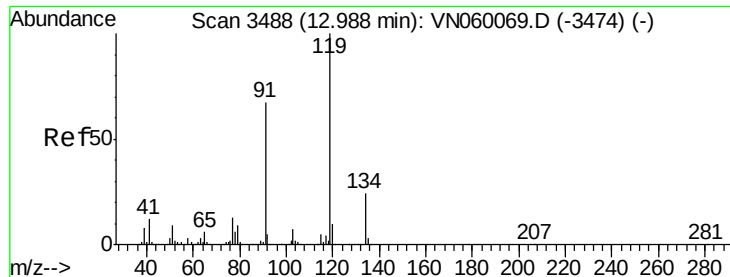
Tgt Ion: 75 Resp: 55853
Ion Ratio Lower Upper
75 100
53 91.5 73.9 110.9
89 45.3 37.0 55.4



#82
4-Chlorotoluene
Concen: 50.42 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060196.D
Acq: 24 Feb 2020 9:20

Tgt Ion: 91 Resp: 364649
Ion Ratio Lower Upper
91 100
126 34.2 17.1 51.3

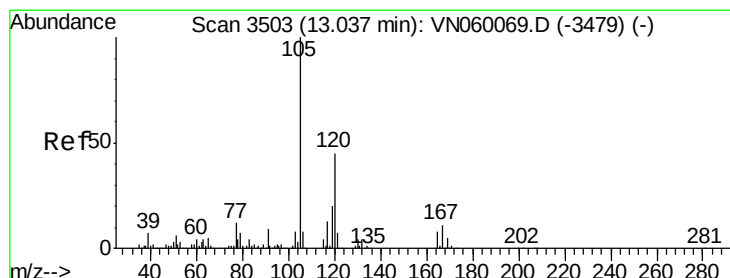
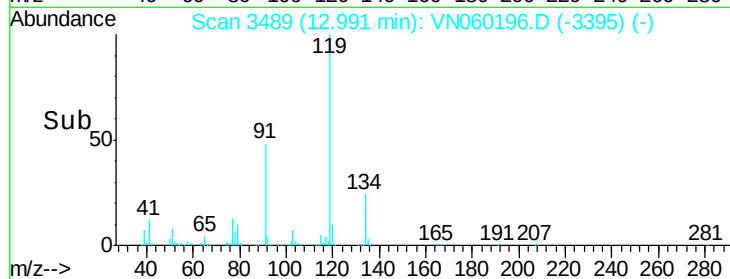
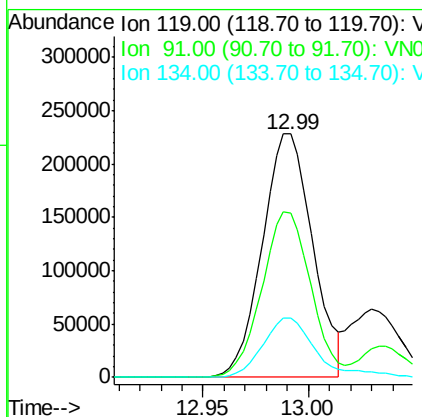
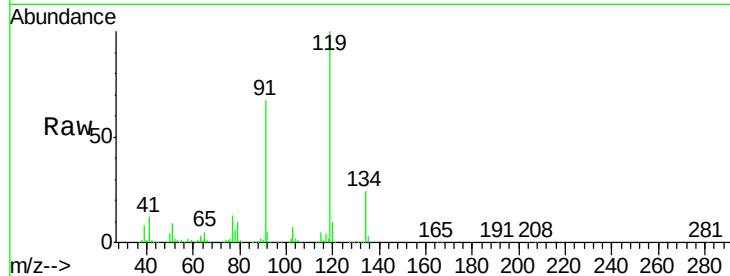




#83
 tert-Butylbenzene
 Concen: 48.95 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

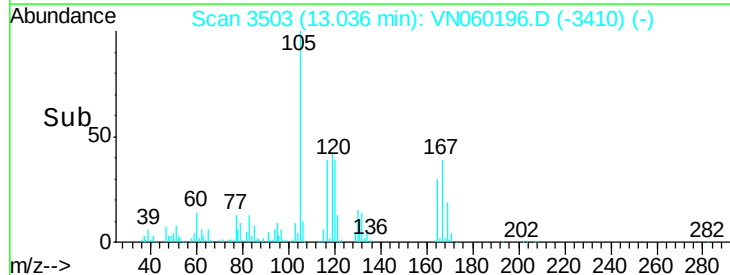
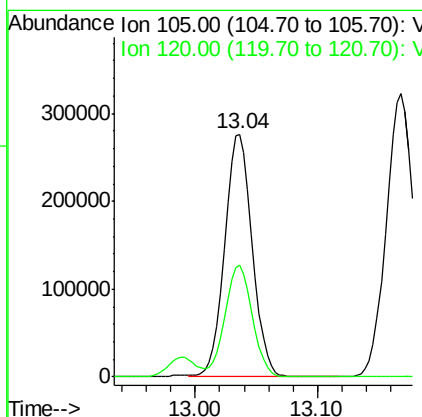
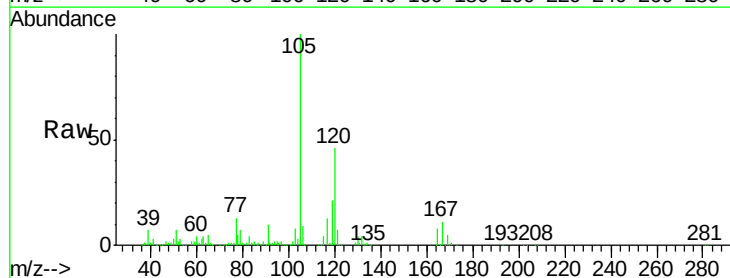
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

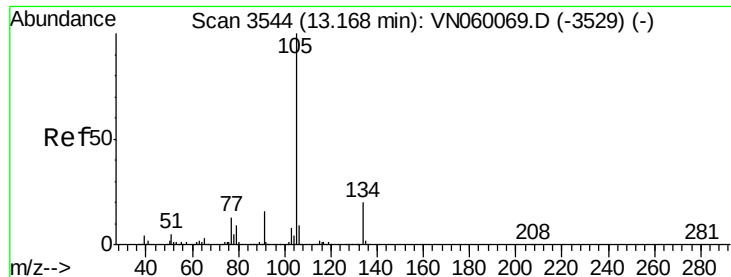
Tgt Ion:119 Resp: 378981
 Ion Ratio Lower Upper
 119 100
 91 65.9 32.7 98.1
 134 25.8 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.70 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion:105 Resp: 438039
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 50.28 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

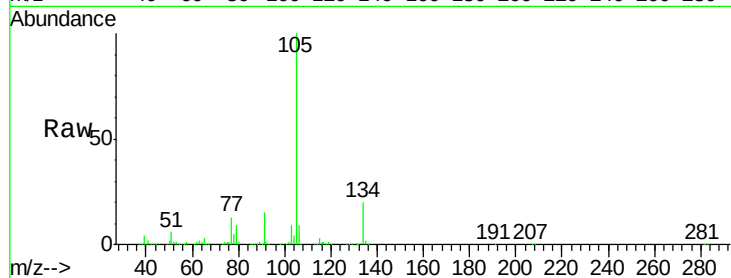
VSTDCCC050

Tgt Ion:105 Resp: 515593

Ion Ratio Lower Upper

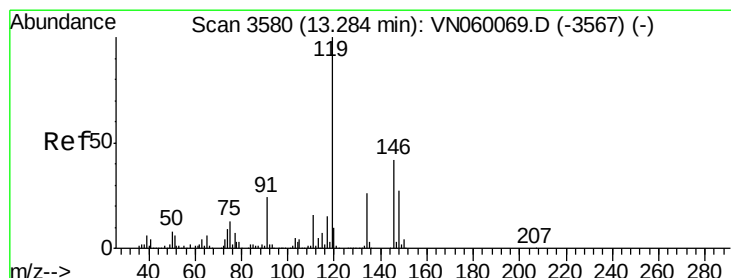
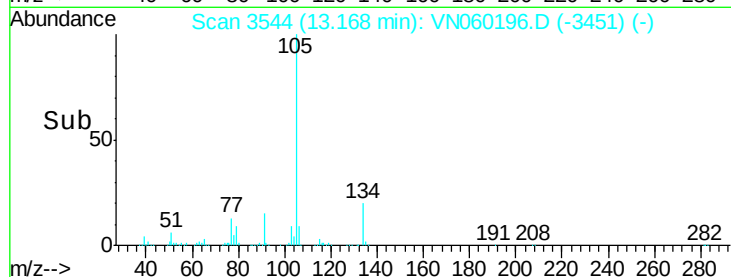
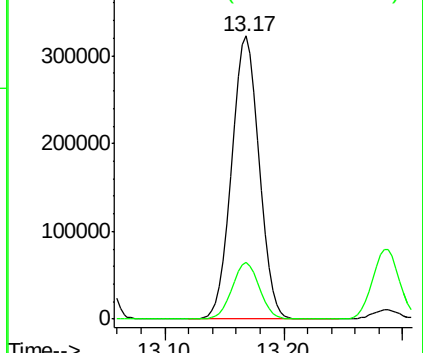
105 100

134 19.9 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.36 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

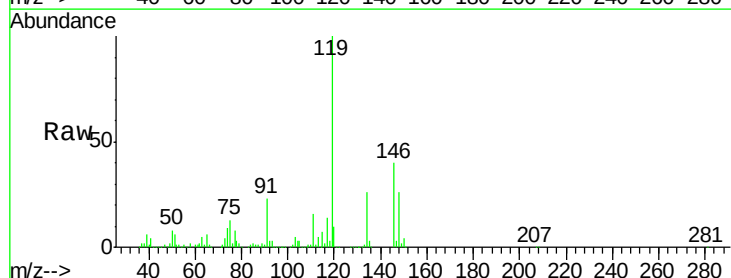
Tgt Ion:119 Resp: 477179

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

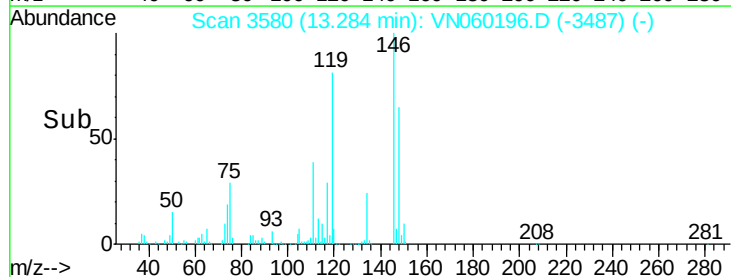
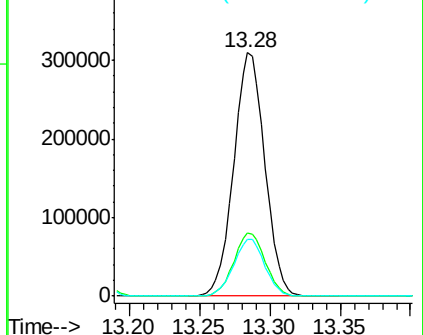
91 23.3 11.9 35.9

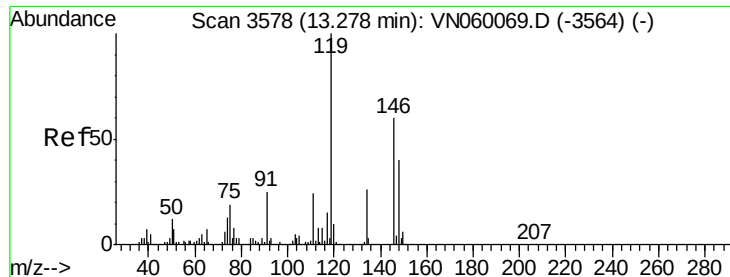


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

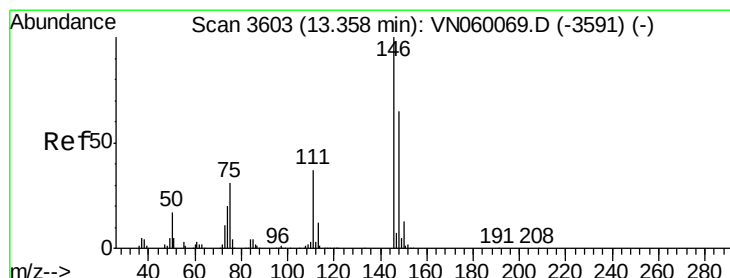
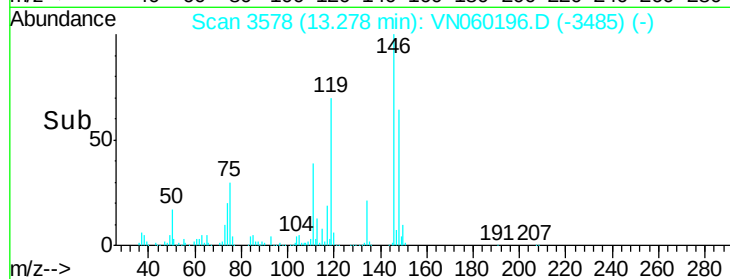
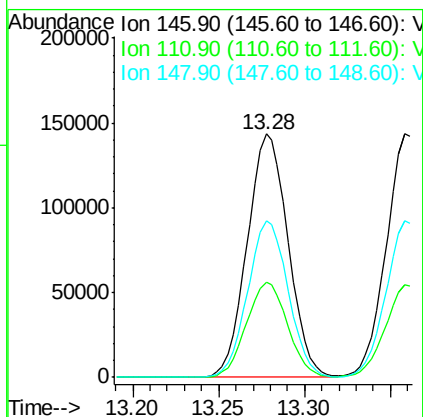
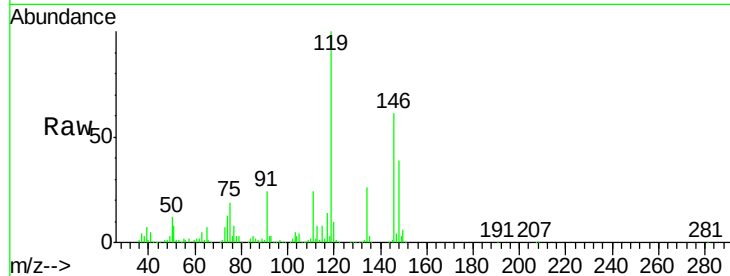




#87
 1,3-Dichlorobenzene
 Concen: 51.16 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

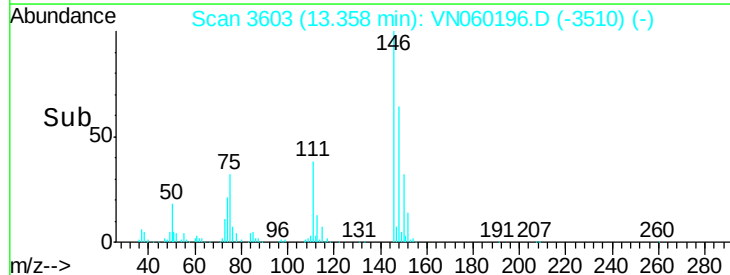
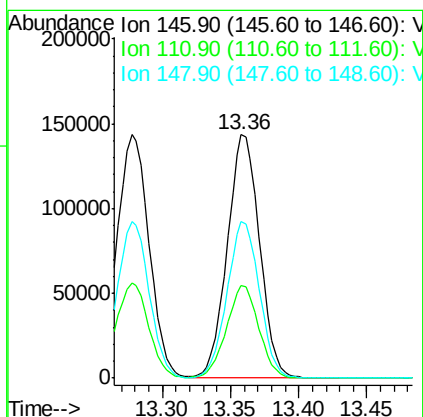
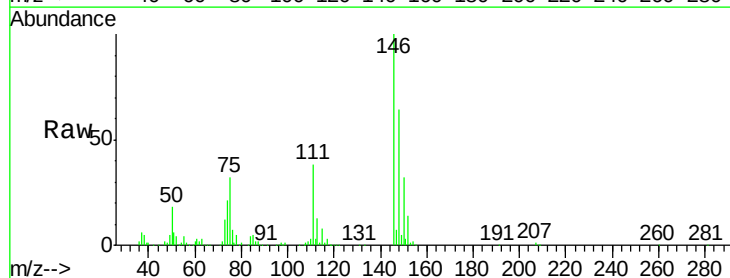
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

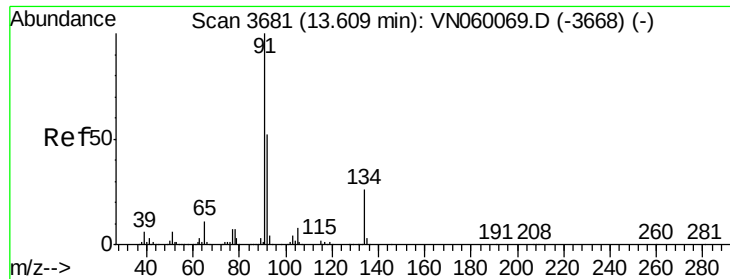
Tgt Ion:146 Resp: 236597
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.8 59.3
 148 63.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.14 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion:146 Resp: 236449
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.5
 148 64.4 32.0 96.0





#89

n-Butylbenzene

Concen: 51.80 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

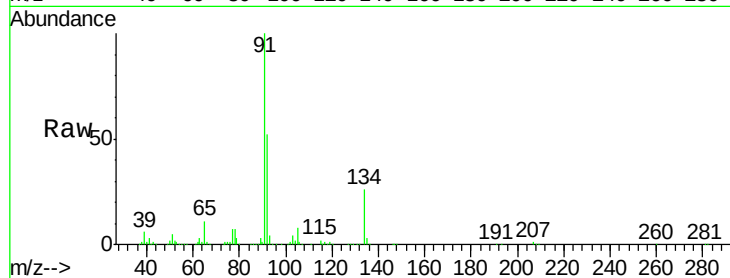
Tgt Ion: 91 Resp: 423333

Ion Ratio Lower Upper

91 100

92 52.1 26.1 78.2

134 25.8 13.1 39.3

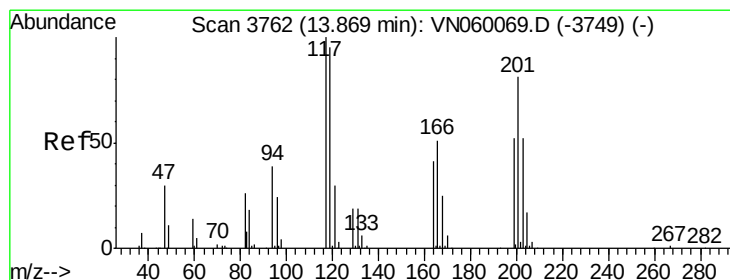
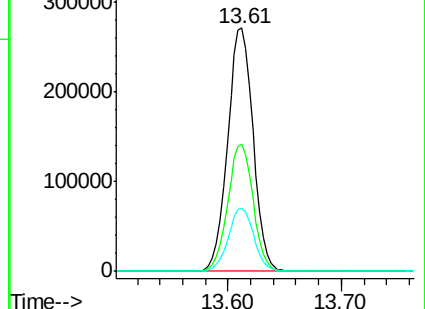
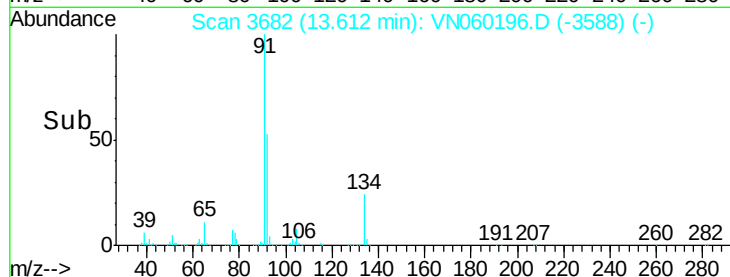


Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 50.34 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060196.D

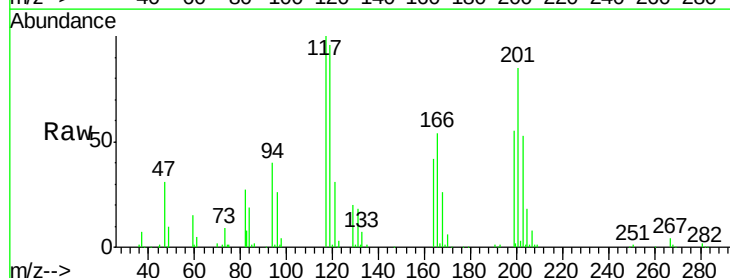
Acq: 24 Feb 2020 9:20

Tgt Ion: 117 Resp: 87379

Ion Ratio Lower Upper

117 100

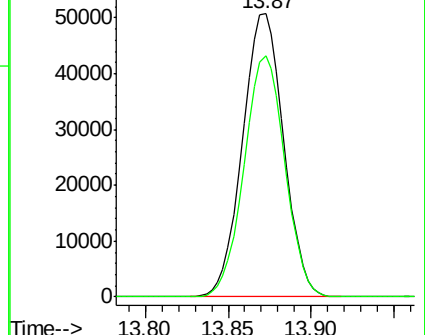
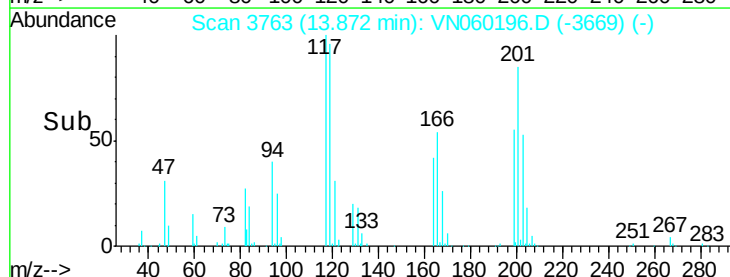
201 84.5 41.7 125.1

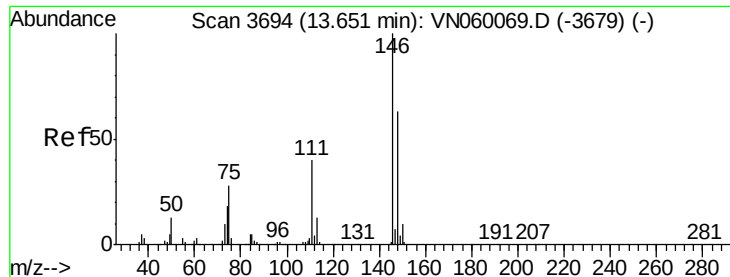


Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)

Time-->

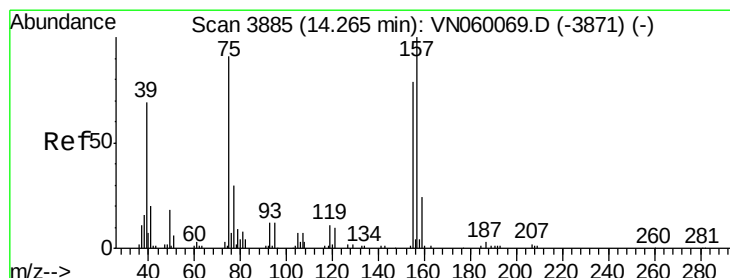
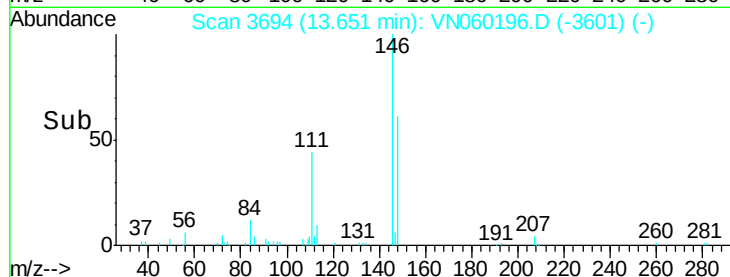
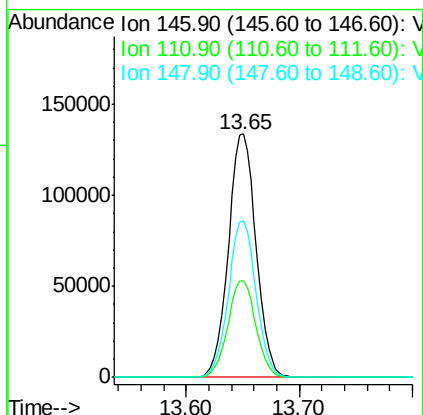
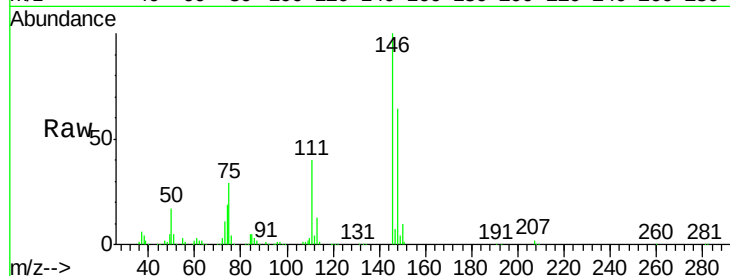




#91
 1,2-Dichlorobenzene
 Concen: 50.16 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

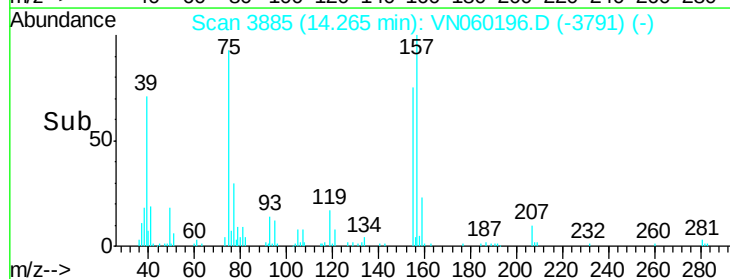
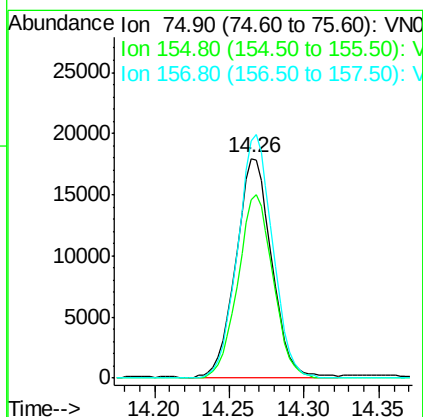
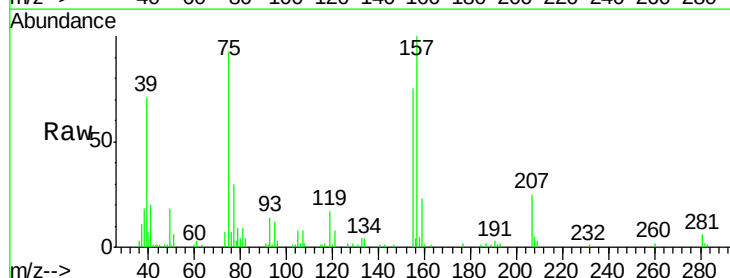
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

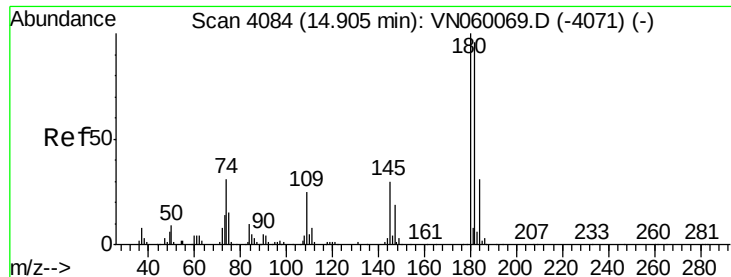
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	64.2	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.66 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	43.0	129.0
157	107.6	54.9	164.5

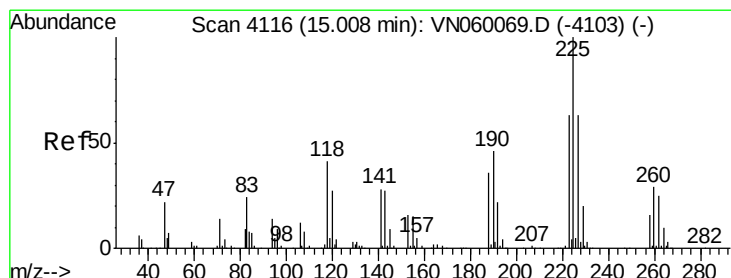
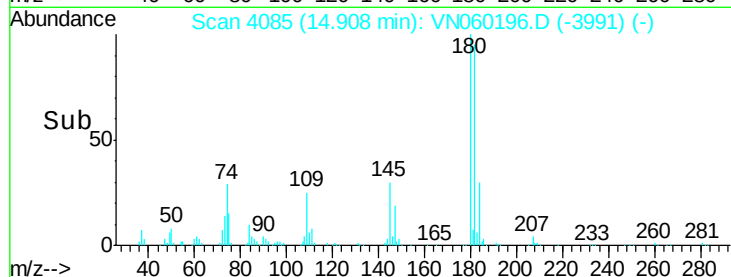
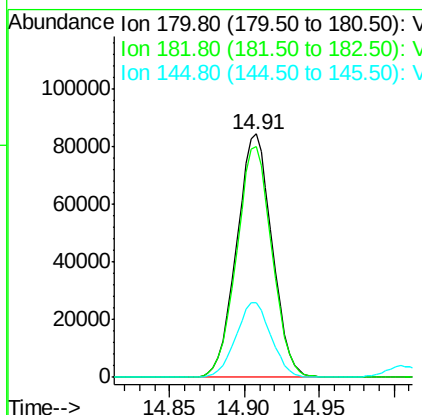
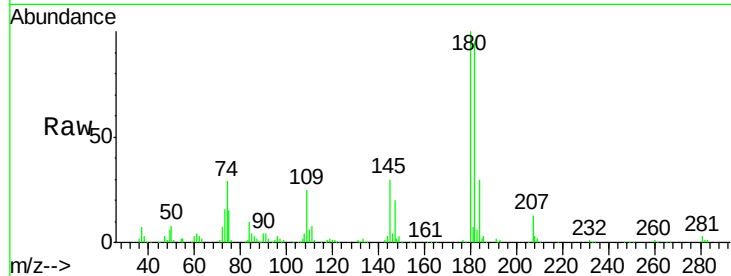




#93
 1,2,4-Trichlorobenzene
 Concen: 52.30 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

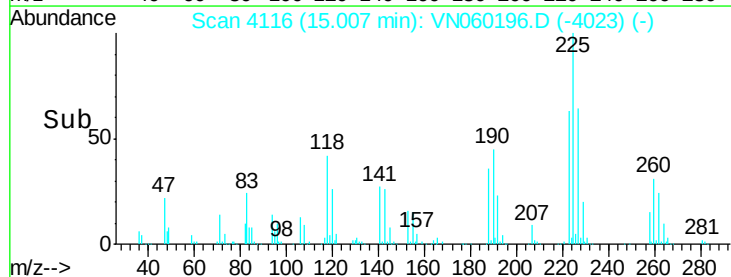
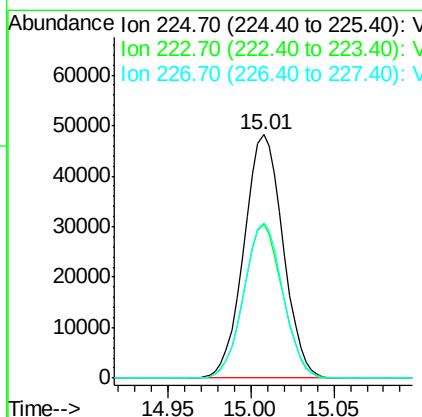
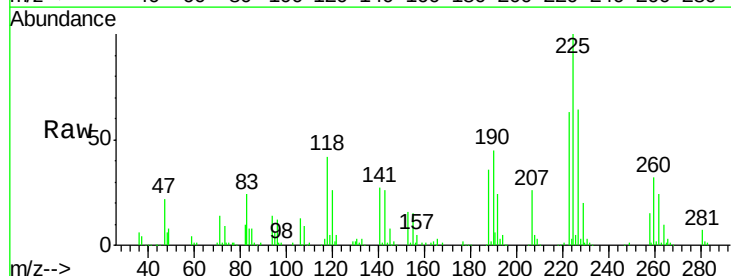
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

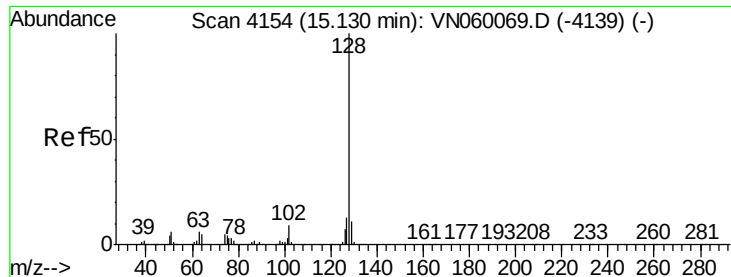
Tgt Ion:180 Resp: 139084
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.9 143.8
 145 30.5 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 50.71 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060196.D
 Acq: 24 Feb 2020 9:20

Tgt Ion:225 Resp: 78935
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.5 94.5
 227 63.5 31.8 95.4





#95

Naphthalene

Concen: 47.21 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

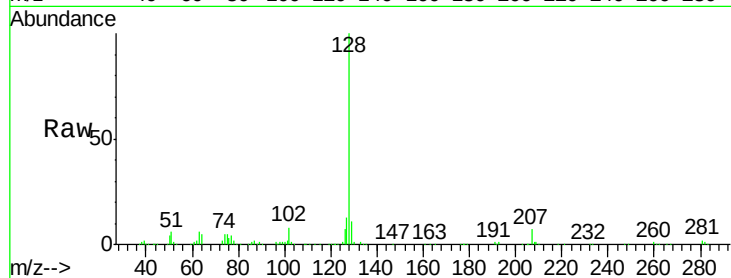
Tgt Ion:128 Resp: 339150

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

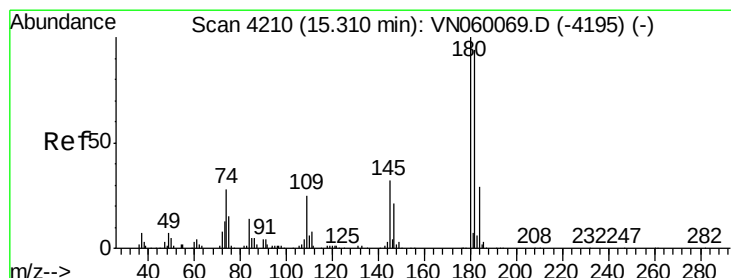
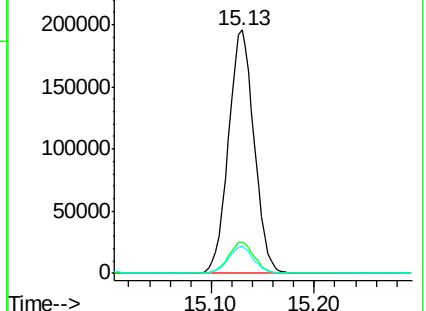
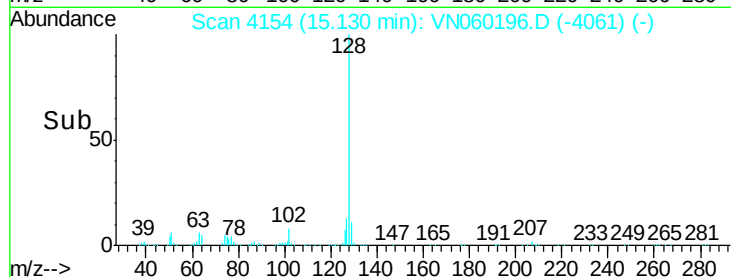
129 10.9 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 49.51 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060196.D

Acq: 24 Feb 2020 9:20

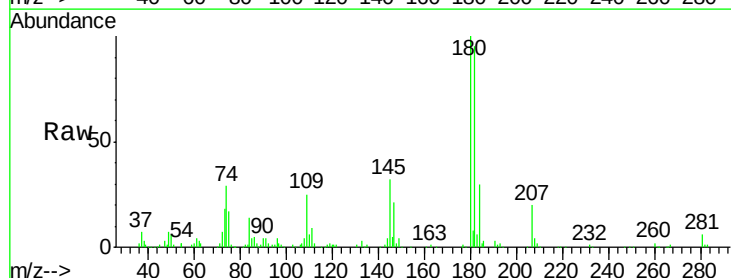
Tgt Ion:180 Resp: 131109

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.5

145 31.9 16.1 48.3



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

