

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060623.D
 Acq On : 19 Mar 2020 9:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 20 01:46:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	333867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139557	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	127643	44.93	ug/l	0.00
Spiked Amount						
			Recovery	=	89.86%	
35) Dibromofluoromethane	7.56	113	95009	47.06	ug/l	0.00
Spiked Amount						
			Recovery	=	94.12%	
50) Toluene-d8	10.08	98	385777	46.78	ug/l	0.00
Spiked Amount						
			Recovery	=	93.56%	
62) 4-Bromofluorobenzene	12.40	95	139336	46.11	ug/l	0.00
Spiked Amount						
			Recovery	=	92.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	100733	50.309	ug/l	100
3) Chloromethane	2.03	50	168479	45.053	ug/l	99
4) Vinyl Chloride	2.16	62	138581	47.379	ug/l	100
5) Bromomethane	2.54	94	65653	51.996	ug/l	98
6) Chloroethane	2.68	64	81701	48.490	ug/l	100
7) Trichlorofluoromethane	3.00	101	173592	48.179	ug/l	99
8) Diethyl Ether	3.38	74	70019	48.375	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	102645	49.164	ug/l	100
10) Methyl Iodide	3.92	142	103624	55.779	ug/l	99
11) Tert butyl alcohol	4.72	59	96060	229.930	ug/l	100
12) 1,1-Dichloroethene	3.71	96	105504	47.091	ug/l	98
13) Acrolein	3.57	56	118029	254.909	ug/l	100
14) Allyl chloride	4.29	41	186169	47.246	ug/l	99
15) Acrylonitrile	4.94	53	294668	239.856	ug/l	100
16) Acetone	3.78	43	305924	304.027	ug/l	99
17) Carbon Disulfide	4.03	76	324669	47.649	ug/l	100
18) Methyl Acetate	4.28	43	136388	48.154	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	361197	46.891	ug/l	98
20) Methylene Chloride	4.52	84	119394	48.234	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	113598	47.574	ug/l	98
22) Diisopropyl ether	5.91	45	410427	49.301	ug/l	98
23) Vinyl Acetate	5.85	43	1689735	248.766	ug/l	100
24) 1,1-Dichloroethane	5.81	63	219419	48.348	ug/l	99
25) 2-Butanone	6.80	43	425797	261.503	ug/l	98
26) 2,2-Dichloropropane	6.79	77	189630	53.107	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	128386	47.314	ug/l	97
28) Bromochloromethane	7.17	49	123396	56.829	ug/l	99
29) Tetrahydrofuran	7.17	42	266798	231.582	ug/l	99
30) Chloroform	7.34	83	206953	47.567	ug/l	98
31) Cyclohexane	7.63	56	210573	46.024	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	178955	47.713	ug/l	99
36) 1,1-Dichloropropene	7.77	75	164256	50.808	ug/l	100
37) Ethyl Acetate	6.89	43	170319	48.758	ug/l	99
38) Carbon Tetrachloride	7.75	117	145896	50.353	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060623.D
 Acq On : 19 Mar 2020 9:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 20 01:46:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	199356	51.890	ug/l	99
40) Benzene	8.02	78	489896	50.198	ug/l	100
41) Methacrylonitrile	7.17	41	240638	161.416	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	167532	50.231	ug/l	99
43) Isopropyl Acetate	8.14	43	285906	49.628	ug/l	100
44) Trichloroethene	8.81	130	125864	51.160	ug/l	98
45) 1,2-Dichloropropane	9.10	63	130990	50.867	ug/l	98
46) Dibromomethane	9.19	93	79060	50.783	ug/l	99
47) Bromodichloromethane	9.38	83	164993	51.001	ug/l	99
48) Methyl methacrylate	9.18	41	127504	49.710	ug/l	99
49) 1,4-Dioxane	9.18	88	33806	1108.858	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	826942	252.253	ug/l	100
52) Toluene	10.14	92	298745	50.687	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	193270	52.009	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	209295	51.339	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	113996	50.275	ug/l	99
56) Ethyl methacrylate	10.42	69	183275	51.838	ug/l	99
57) 1,3-Dichloropropane	10.70	76	198104	50.347	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	430651	245.079	ug/l	100
59) 2-Hexanone	10.74	43	620999	262.970	ug/l	100
60) Dibromochloromethane	10.89	129	120209	51.323	ug/l	100
61) 1,2-Dibromoethane	10.99	107	115806	50.791	ug/l	99
64) Tetrachloroethene	10.62	164	121943	50.835	ug/l	99
65) Chlorobenzene	11.43	112	302004	49.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110655	50.573	ug/l	98
67) Ethyl Benzene	11.50	91	573462	51.028	ug/l	100
68) m/p-Xylenes	11.62	106	426135	102.040	ug/l	100
69) o-Xylene	11.94	106	202832	50.878	ug/l	100
70) Styrene	11.96	104	334740	51.340	ug/l	100
71) Bromoform	12.12	173	84987	46.844	ug/l #	100
73) Isopropylbenzene	12.24	105	541307	51.685	ug/l	100
74) N-amyl acetate	12.06	43	249616	51.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	158452	50.029	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	220811	73.326	ug/l #	100
77) Bromobenzene	12.52	156	126440	50.102	ug/l	100
78) n-propylbenzene	12.59	91	640839	51.792	ug/l	99
79) 2-Chlorotoluene	12.67	91	373232	50.484	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	455711	51.274	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	61201	52.197	ug/l	99
82) 4-Chlorotoluene	12.77	91	390961	51.922	ug/l	99
83) tert-Butylbenzene	12.99	119	373879	50.745	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	458555	52.151	ug/l	100
85) sec-Butylbenzene	13.17	105	511393	51.617	ug/l	100
86) p-Isopropyltoluene	13.28	119	457887	51.396	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	226574	50.904	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	224471	50.196	ug/l	99
89) n-Butylbenzene	13.61	91	418468	52.025	ug/l	100
90) Hexachloroethane	13.87	117	66396	51.271	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	218814	51.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32357	48.770	ug/l	98

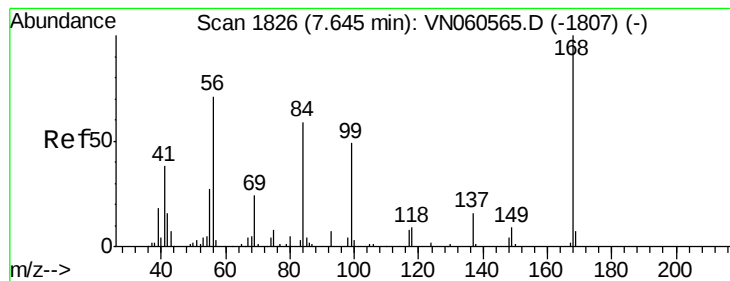
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
Data File : VN060623.D
Acq On : 19 Mar 2020 9:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Mar 20 01:46:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131593	50.349	ug/l	99
94) Hexachlorobutadiene	15.01	225	66523	51.920	ug/l	100
95) Naphthalene	15.13	128	370384	47.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	122054	47.412	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

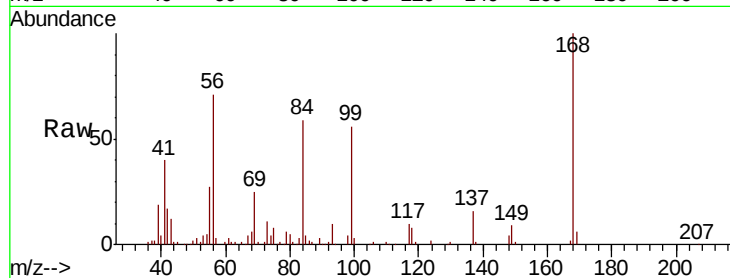
VSTDCCC050

Tot Ion:168 Resp: 206933

Ion Ratio Lower Upper

168 100

99 56.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

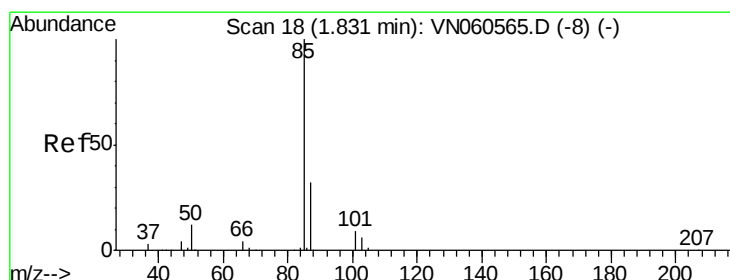
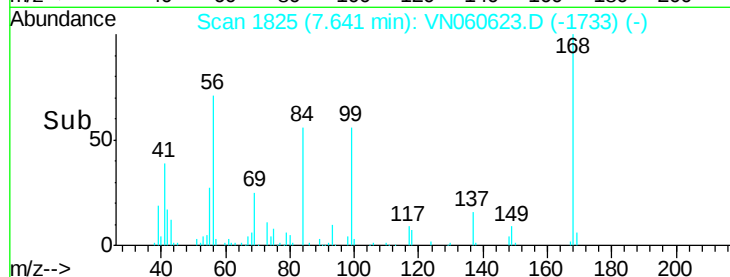
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.309 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060623.D

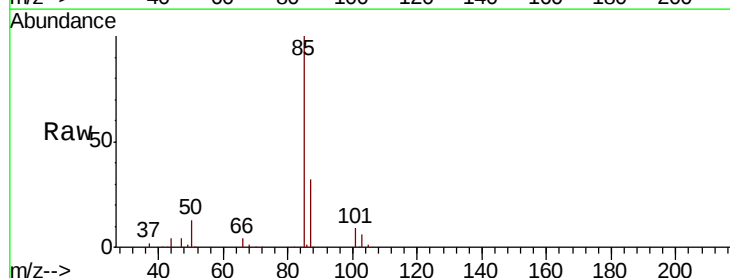
Acq: 19 Mar 2020 9:23

Tgt Ion: 85 Resp: 100733

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

0

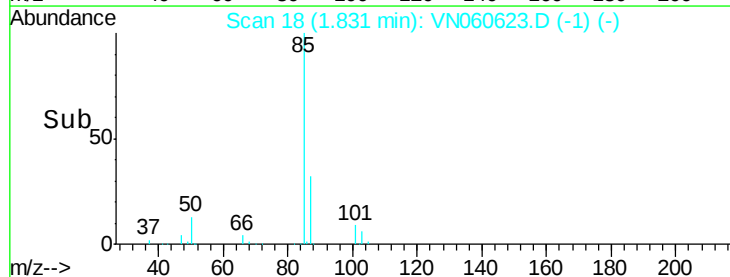
1.75

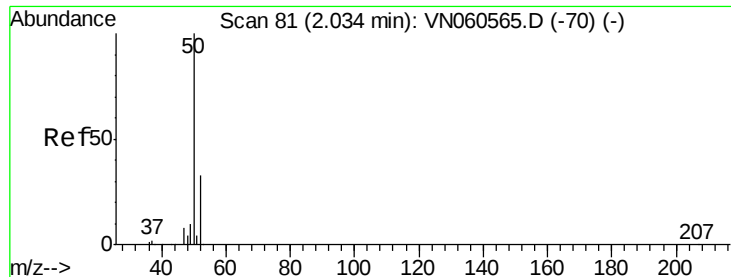
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 45.053 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

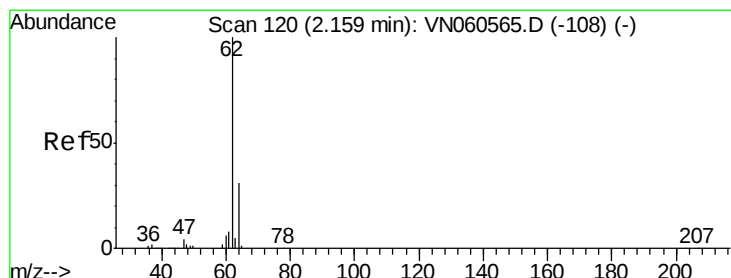
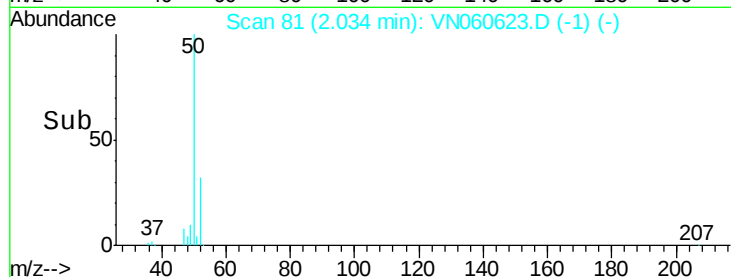
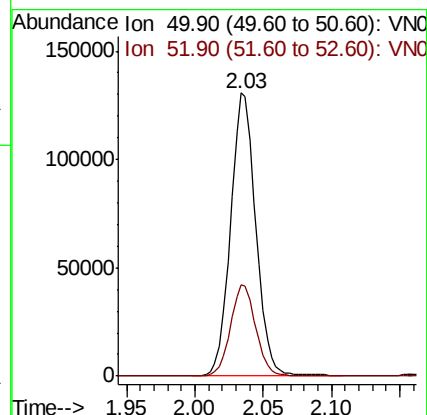
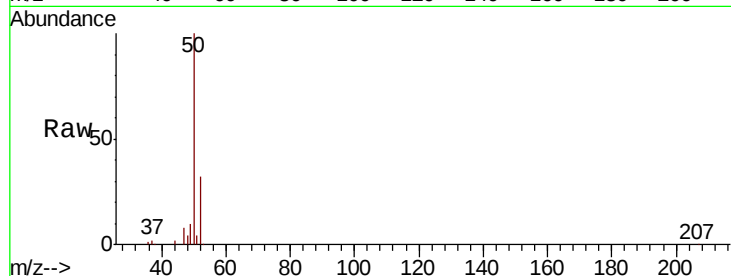
VSTDCCC050

Tot Ion: 50 Resp: 168479

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2



#4

Vinyl Chloride

Concen: 47.379 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060623.D

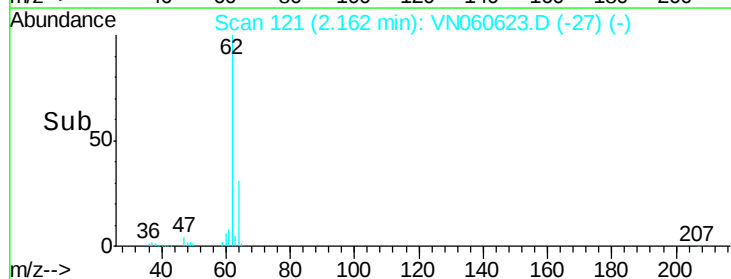
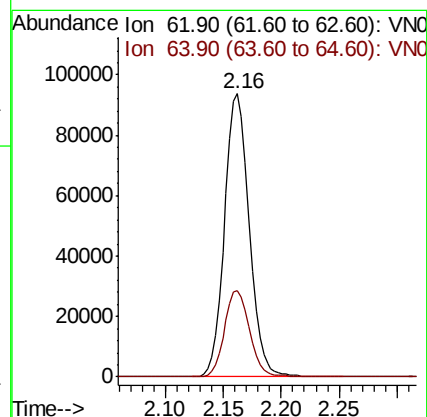
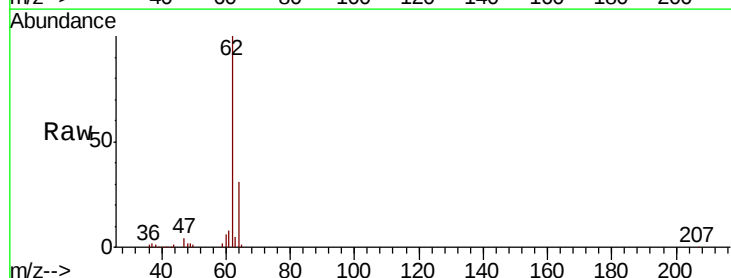
Acq: 19 Mar 2020 9:23

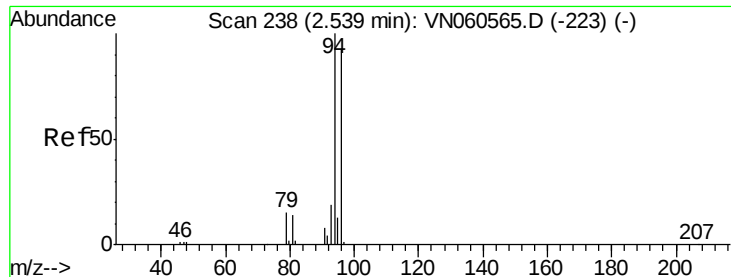
Tgt Ion: 62 Resp: 138581

Ion Ratio Lower Upper

62 100

64 30.7 24.7 37.1





#5

Bromomethane

Concen: 51.996 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

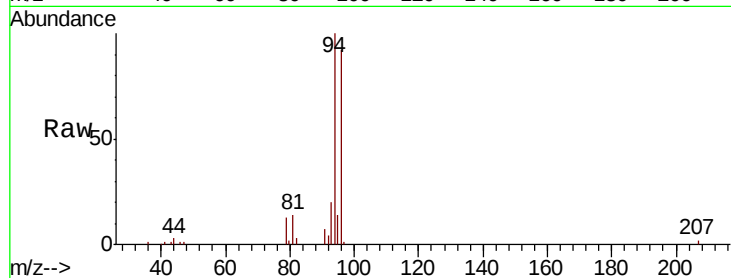
VSTDCCC050

Tot Ion: 94 Resp: 65653

Ion Ratio Lower Upper

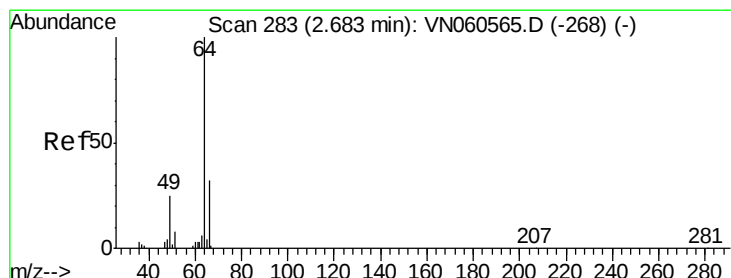
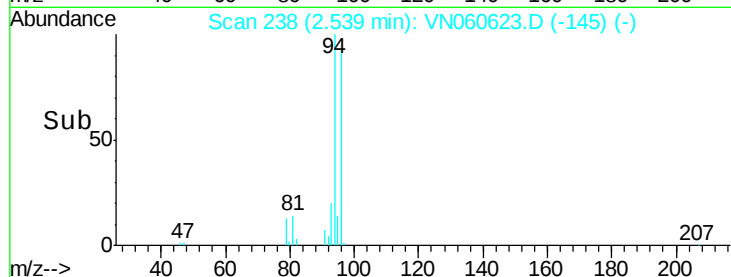
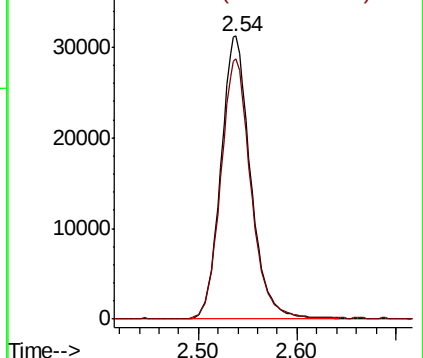
94 100

96 91.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.490 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060623.D

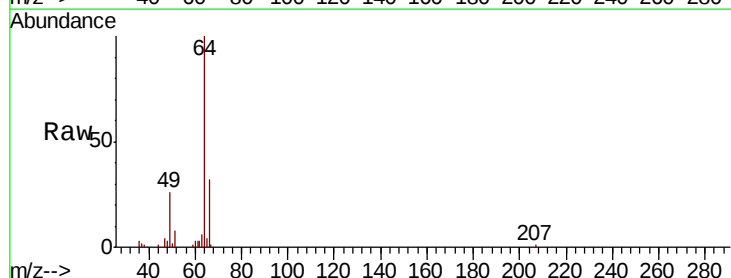
Acq: 19 Mar 2020 9:23

Tgt Ion: 64 Resp: 81701

Ion Ratio Lower Upper

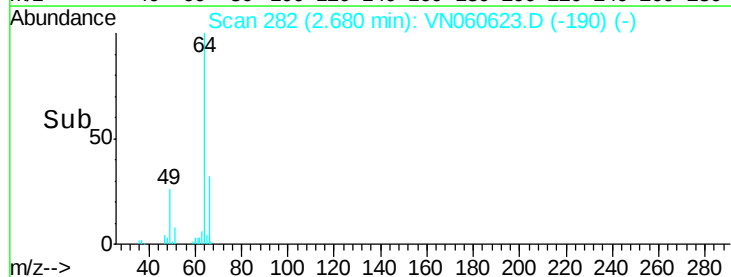
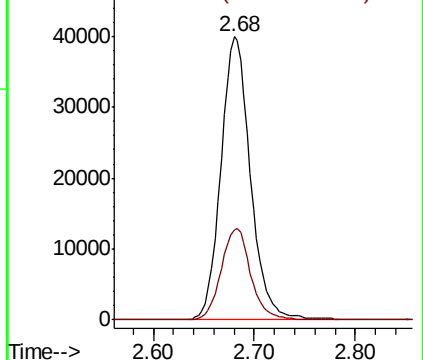
64 100

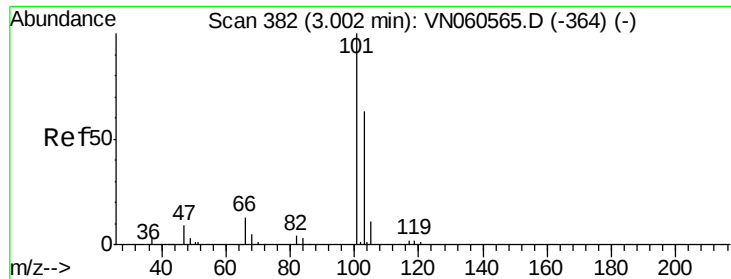
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



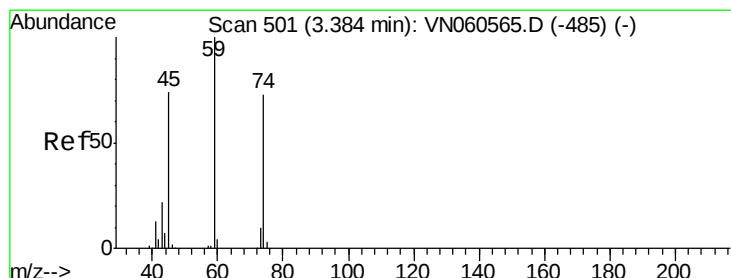
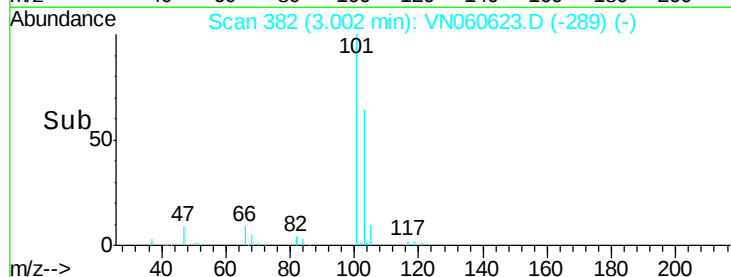
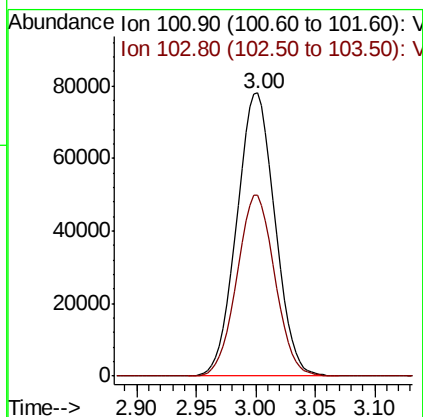
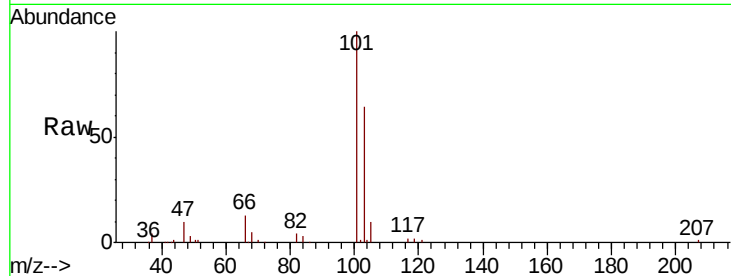


#7

Trichlorofluoromethane
 Concen: 48.179 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

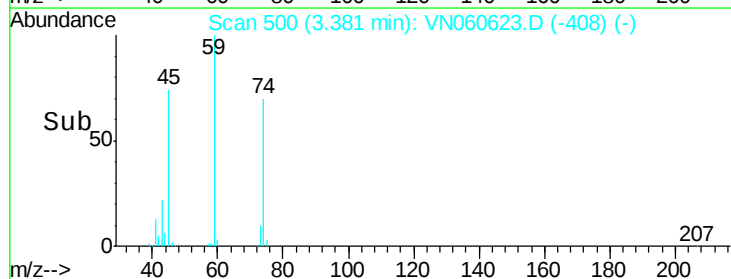
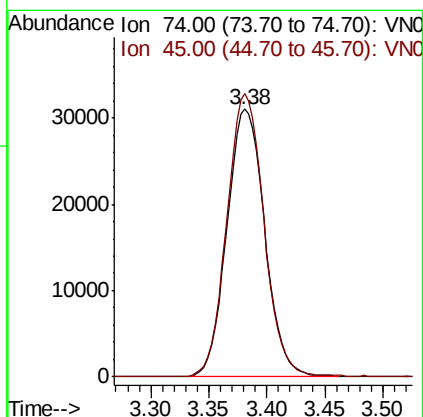
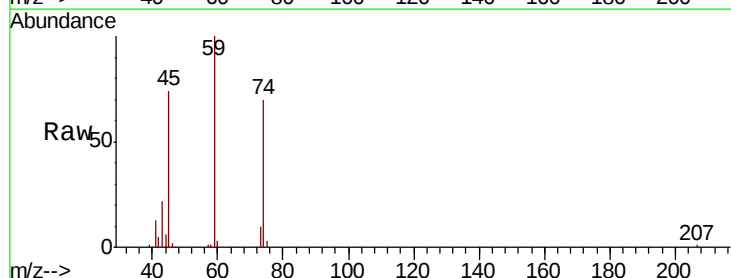
Tot Ion:101 Resp: 173592
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.6 76.0

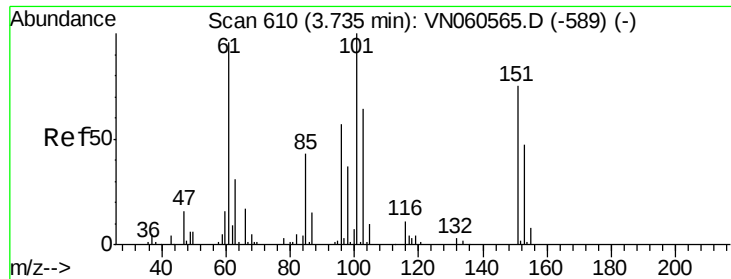


#8

Diethyl Ether
 Concen: 48.375 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion: 74 Resp: 70019
 Ion Ratio Lower Upper
 74 100
 45 103.7 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.164 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

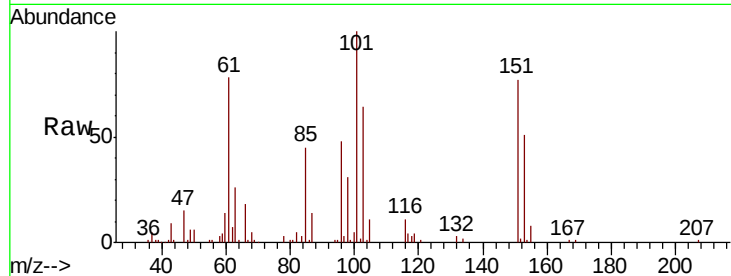
Tot Ion:101 Resp: 102645

Ion Ratio Lower Upper

101 100

85 44.4 35.6 53.4

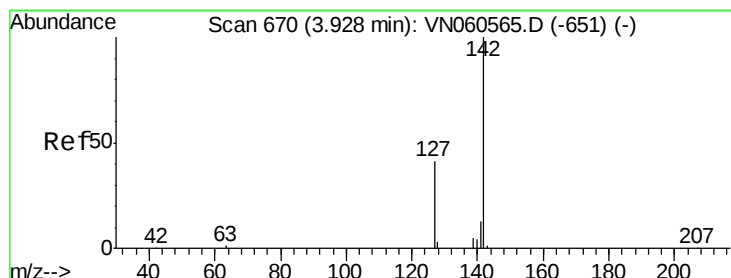
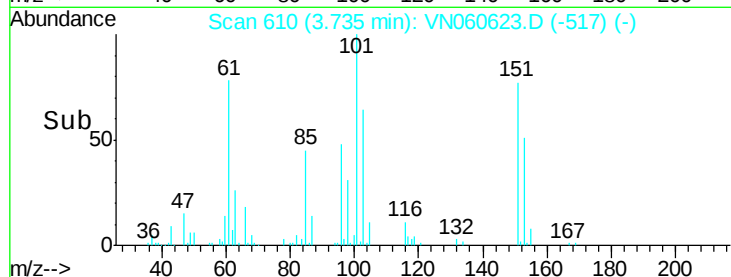
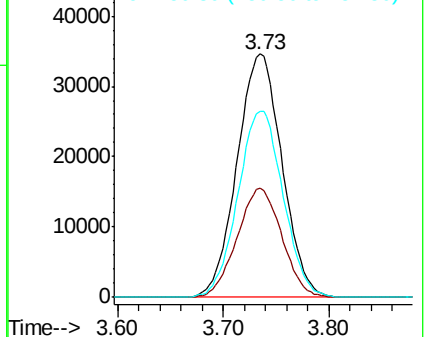
151 77.0 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.779 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

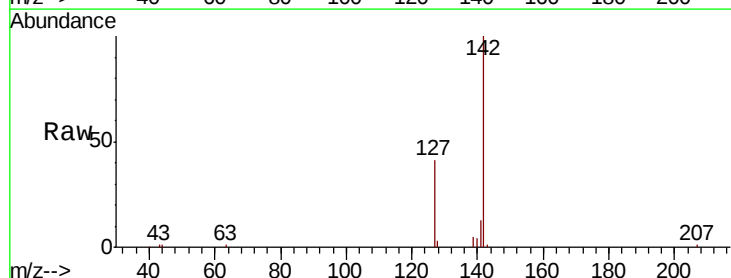
Tgt Ion:142 Resp: 103624

Ion Ratio Lower Upper

142 100

127 40.8 33.5 50.3

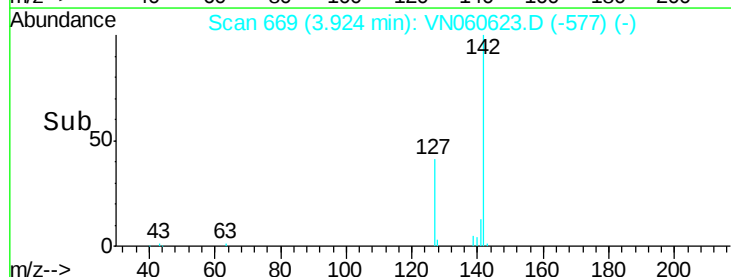
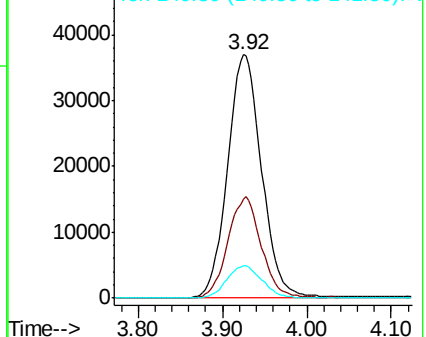
141 13.6 11.0 16.6

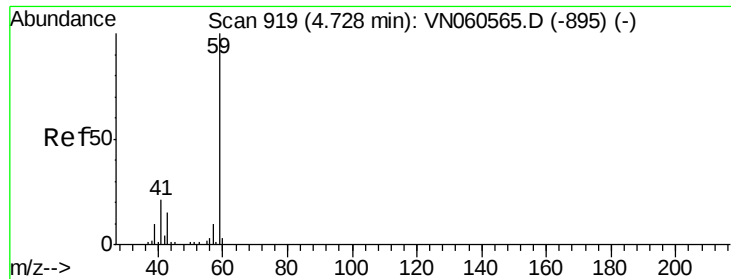


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

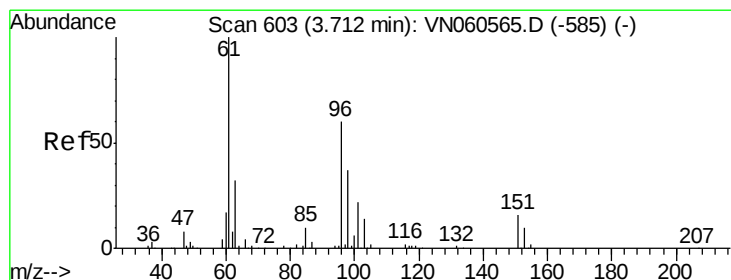
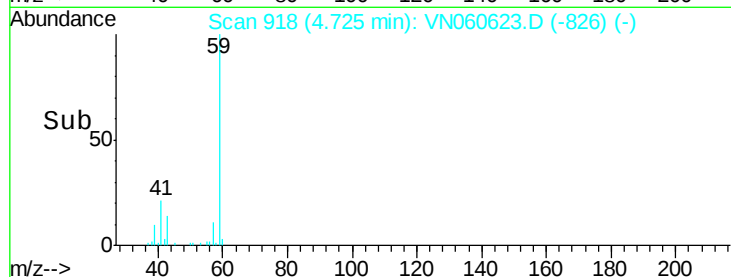
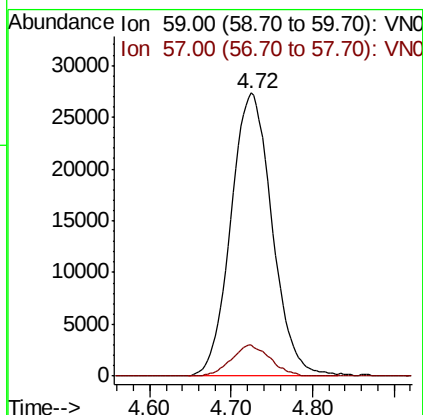
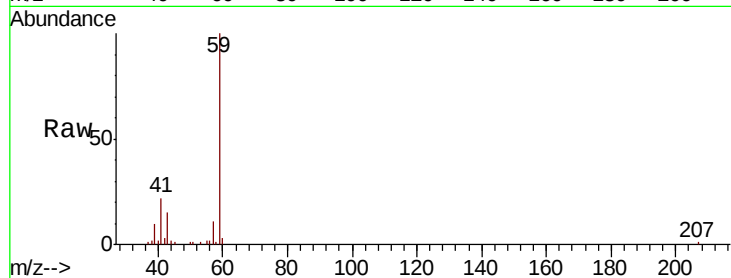




#11
Tert butyl alcohol
Concen: 229.930 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

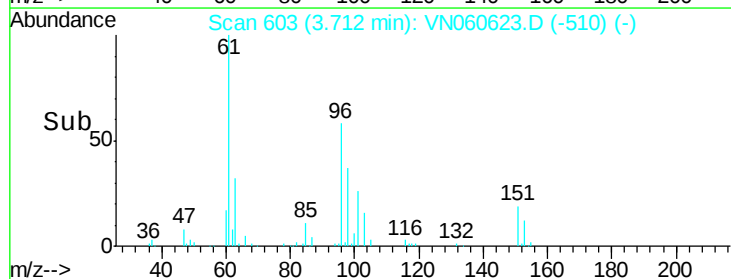
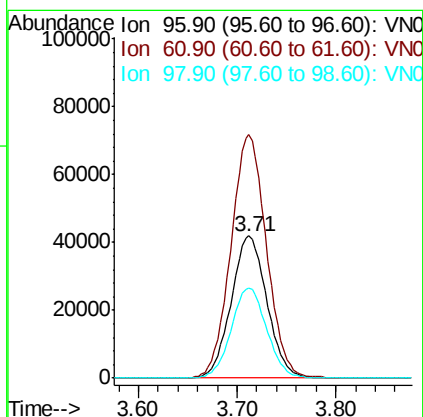
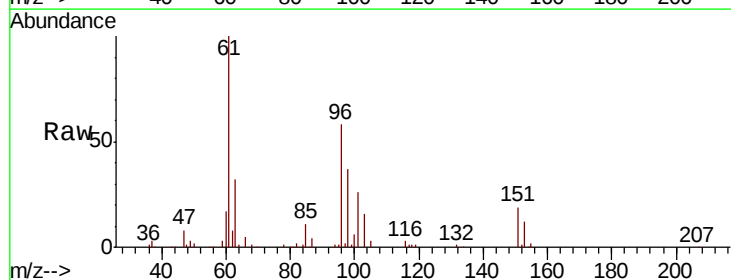
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 96060
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 47.091 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 96 Resp: 105504
Ion Ratio Lower Upper
96 100
61 171.4 134.1 201.1
98 63.7 49.9 74.9





#13

Acrolein

Concen: 254.909 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

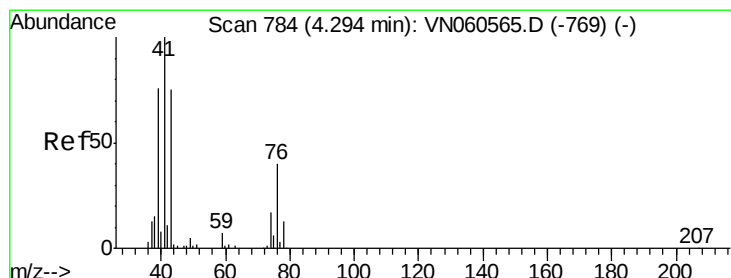
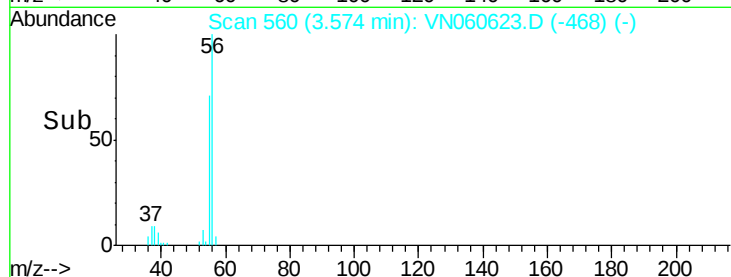
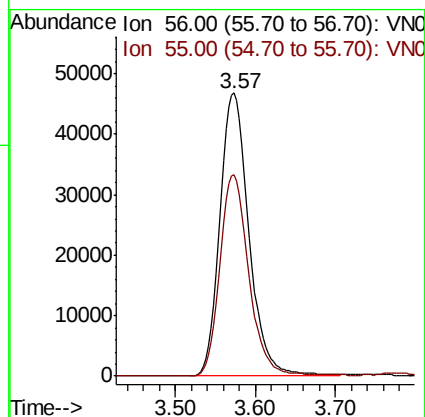
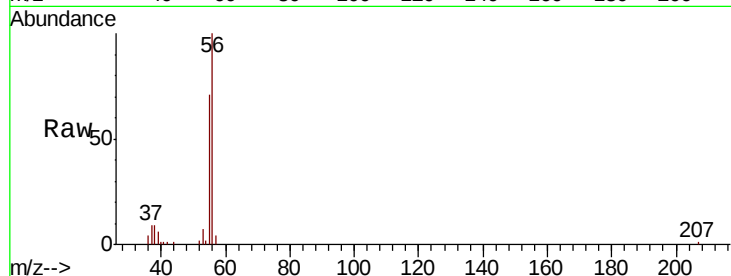
VSTDCCC050

Tot Ion: 56 Resp: 118029

Ion Ratio Lower Upper

56 100

55 70.5 56.7 85.1



#14

Allyl chloride

Concen: 47.246 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

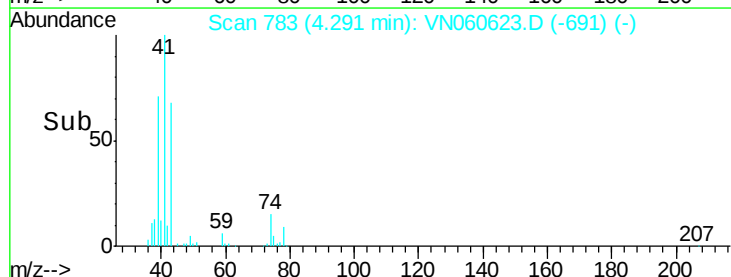
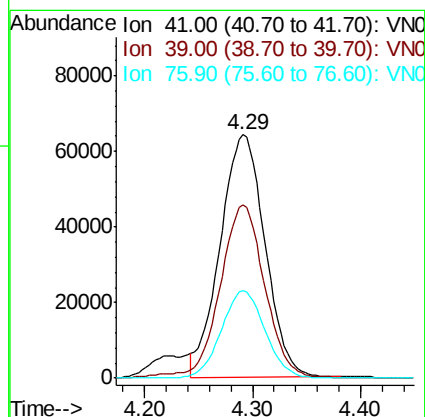
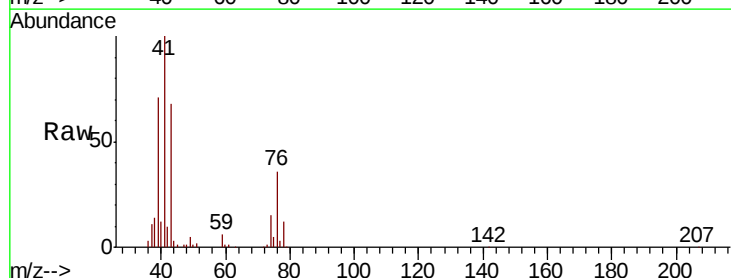
Tgt Ion: 41 Resp: 186169

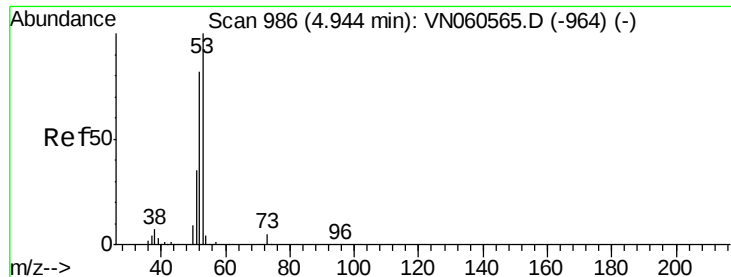
Ion Ratio Lower Upper

41 100

39 71.8 57.8 86.8

76 35.2 28.6 43.0





#15

Acrylonitrile

Concen: 239.856 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

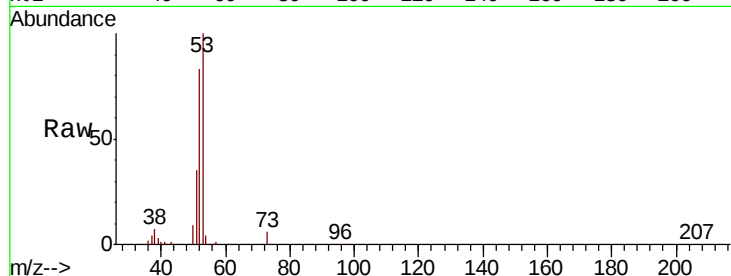
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 294668

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.4
51	35.7	28.7	43.1

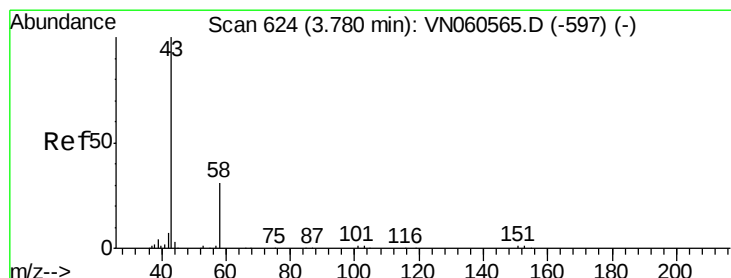
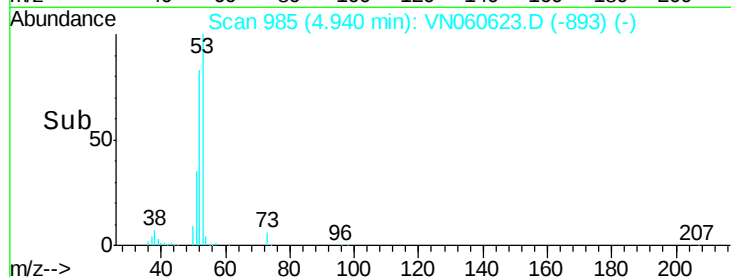
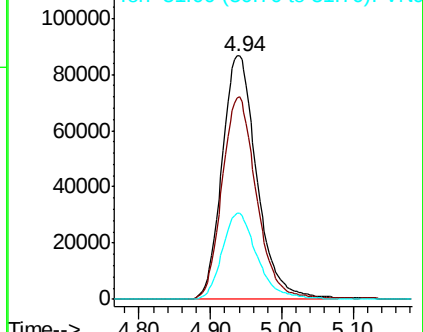


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 304.027 ug/l

RT: 3.78 min Scan# 623

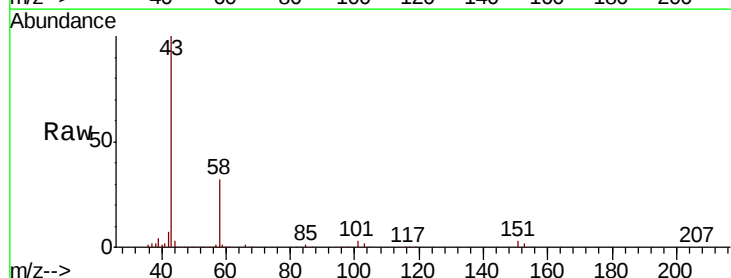
Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion: 43 Resp: 305924

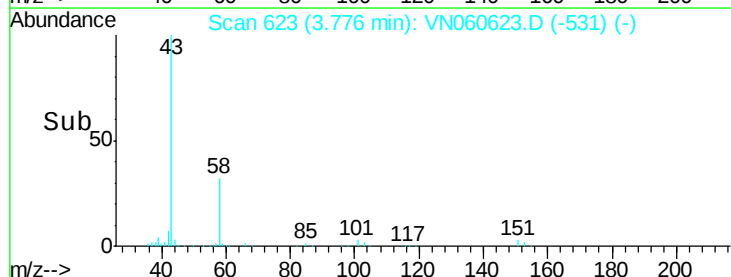
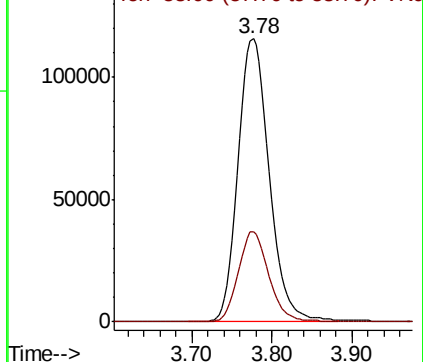
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.1	37.7

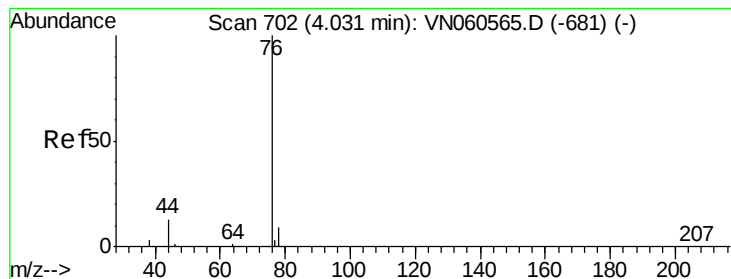


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.649 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

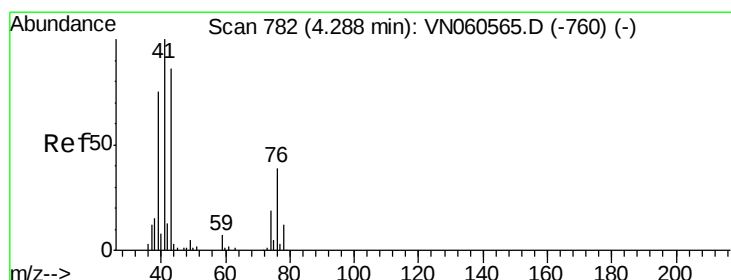
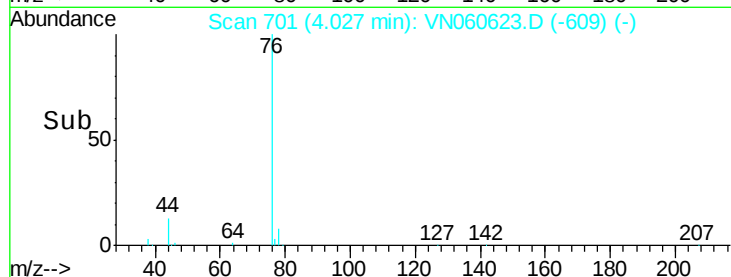
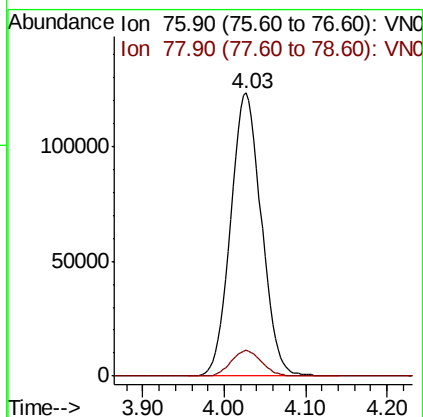
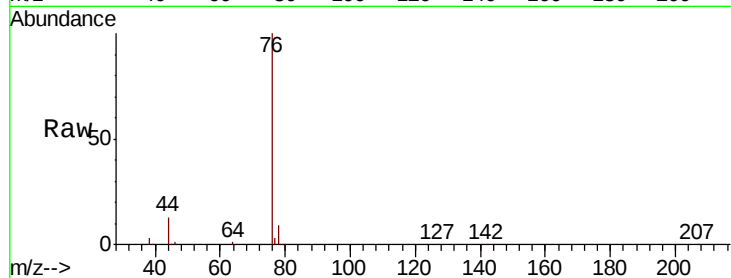
VSTDCCC050

Tot Ion: 76 Resp: 324669

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#18

Methyl Acetate

Concen: 48.154 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060623.D

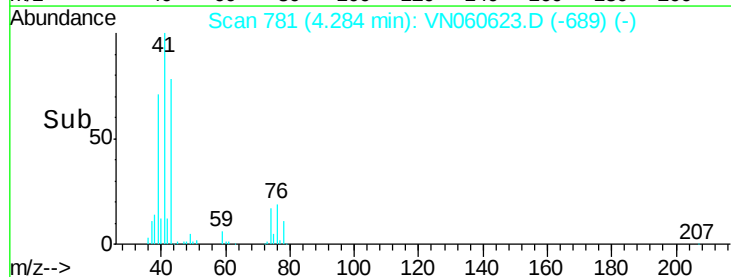
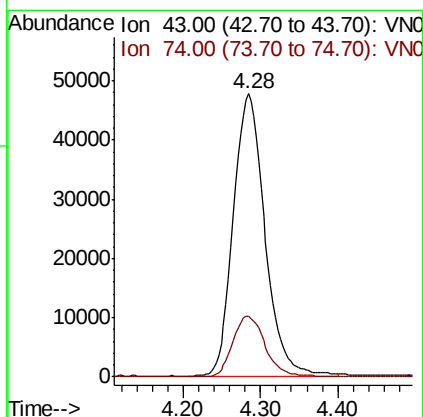
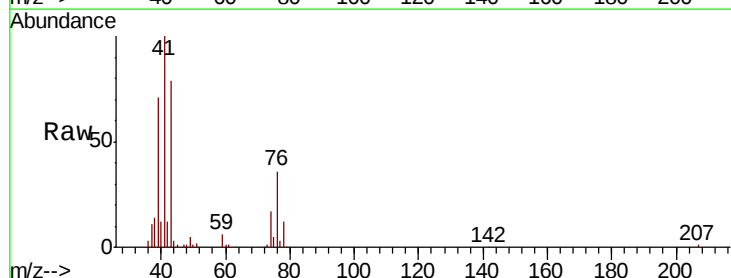
Acq: 19 Mar 2020 9:23

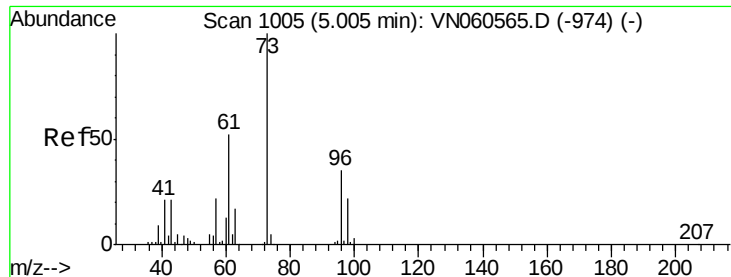
Tgt Ion: 43 Resp: 136388

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3

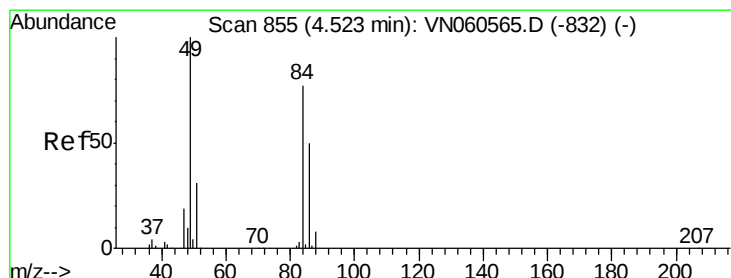
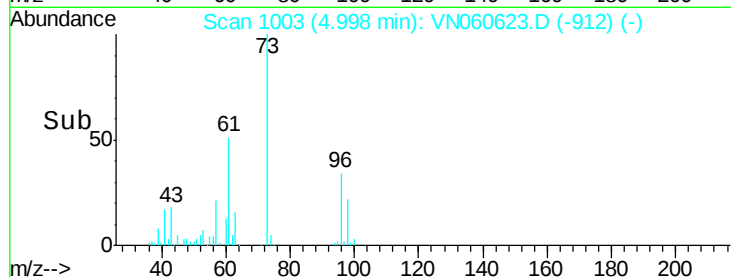
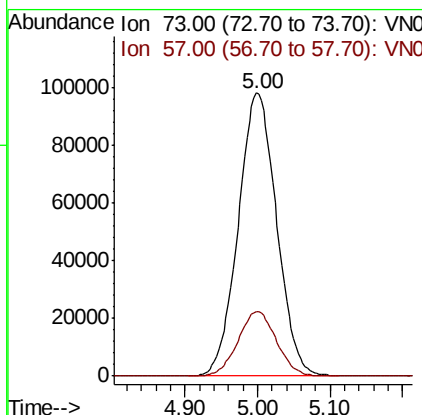
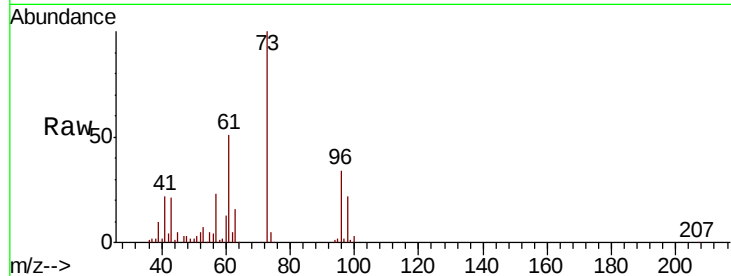




#19
Methyl tert-butyl Ether
Concen: 46.891 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

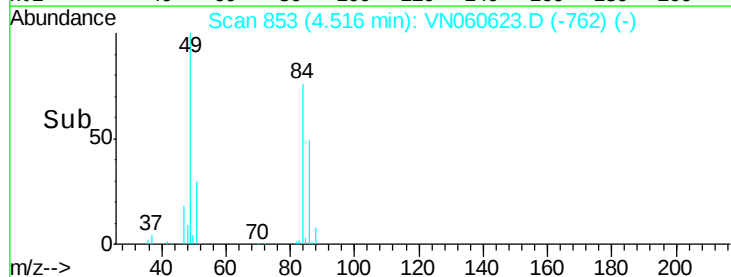
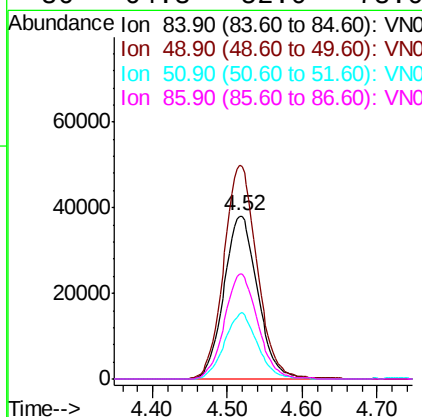
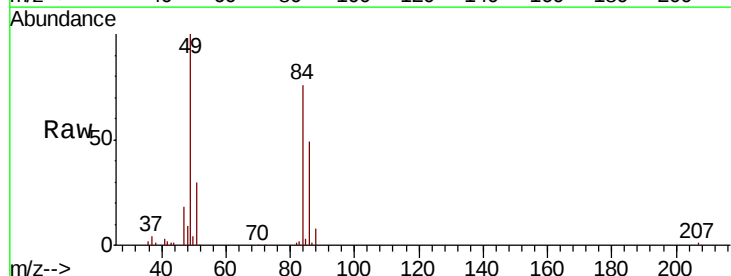
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

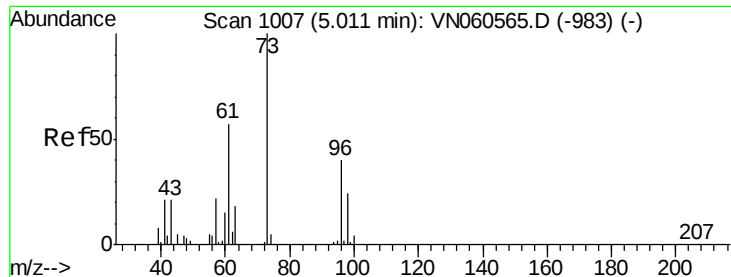
Tot Ion: 73 Resp: 361197
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3



#20
Methylene Chloride
Concen: 48.234 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 84 Resp: 119394
Ion Ratio Lower Upper
84 100
49 130.9 103.3 154.9
51 39.9 31.6 47.4
86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.574 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

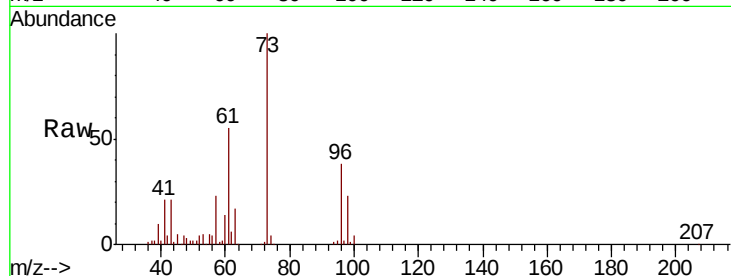
Tot Ion: 96 Resp: 113598

Ion Ratio Lower Upper

96 100

61 145.8 114.4 171.6

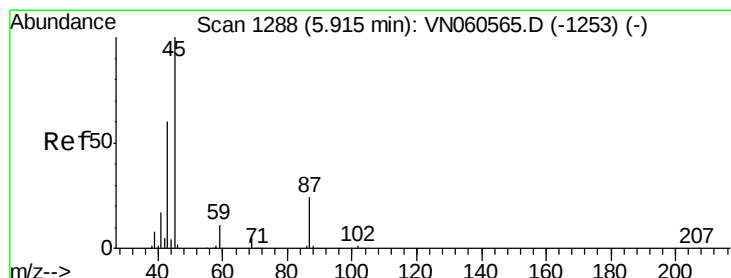
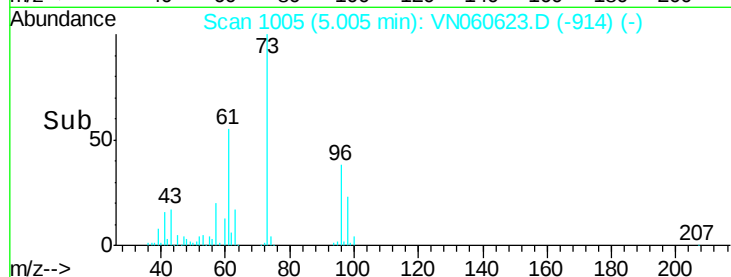
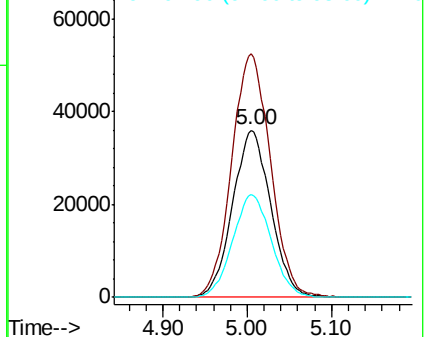
98 61.2 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060623.D (-1195) (-)

Ion 60.90 (60.60 to 61.60): VN060623.D (-1195) (-)

Ion 97.90 (97.60 to 98.60): VN060623.D (-1195) (-)



#22

Diisopropyl ether

Concen: 49.301 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion: 45 Resp: 410427

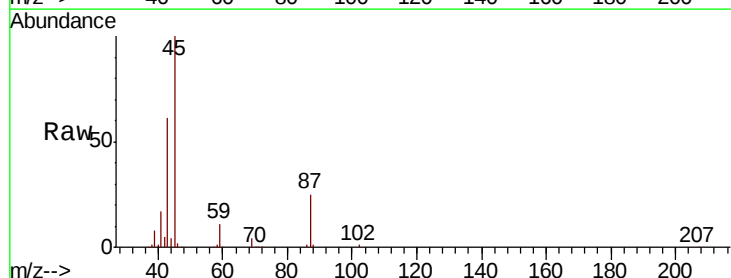
Ion Ratio Lower Upper

45 100

43 60.4 49.8 74.8

87 24.6 20.1 30.1

59 11.0 9.2 13.8

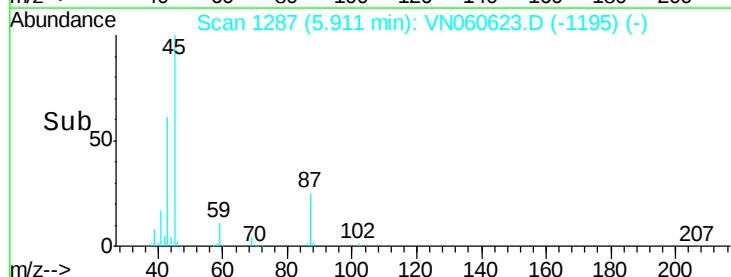
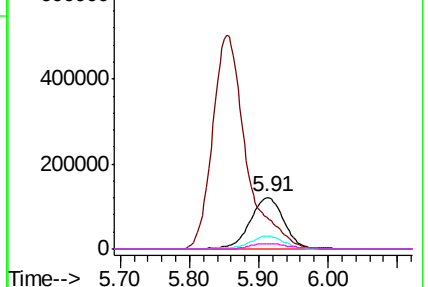


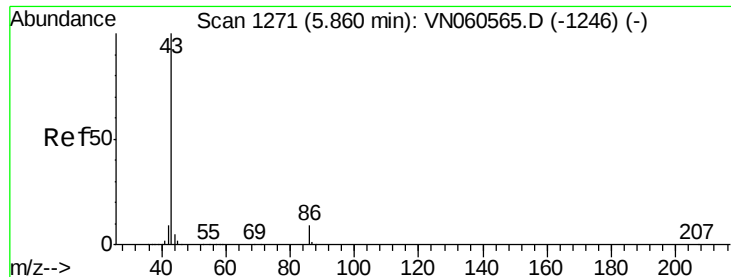
Abundance Ion 45.00 (44.70 to 45.70): VN060623.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060623.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060623.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060623.D (-1195) (-)





#23

Vinyl Acetate

Concen: 248.766 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampled :

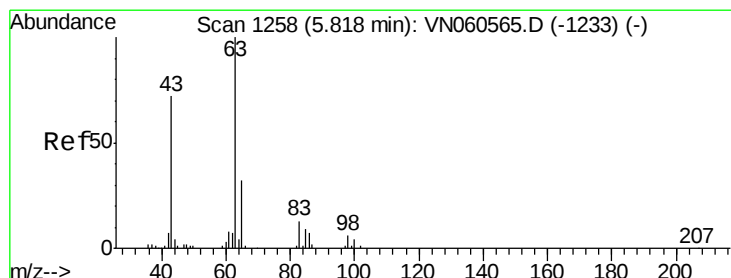
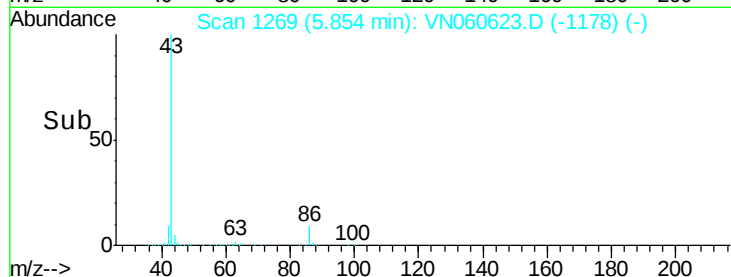
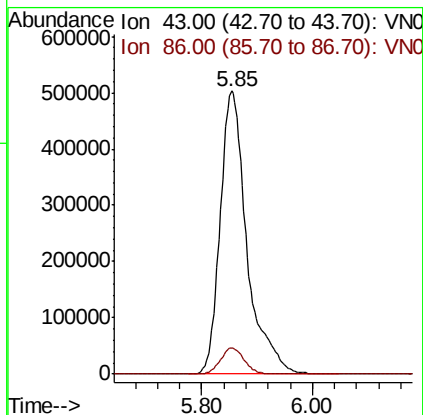
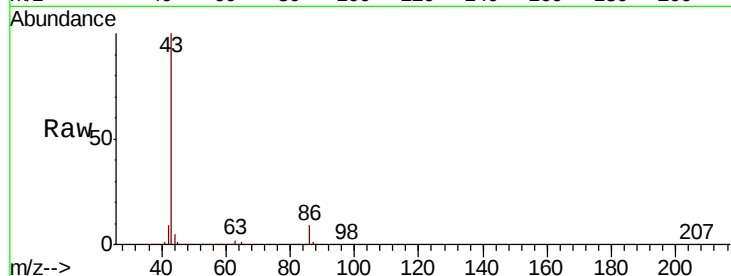
VSTDCCC050

Tot Ion: 43 Resp: 1689735

Ion Ratio Lower Upper

43 100

86 9.3 7.6 11.4



#24

1,1-Dichloroethane

Concen: 48.348 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

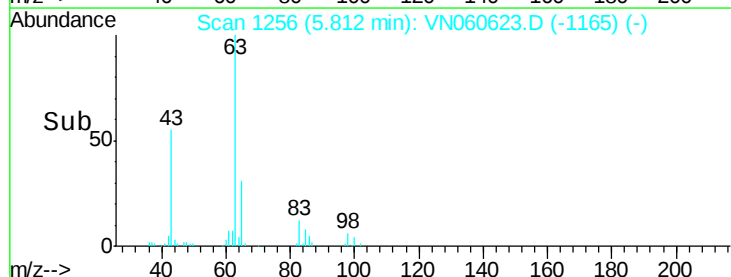
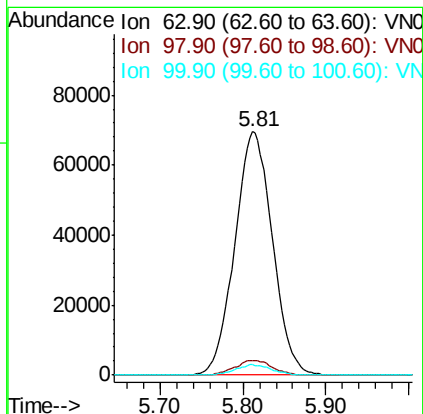
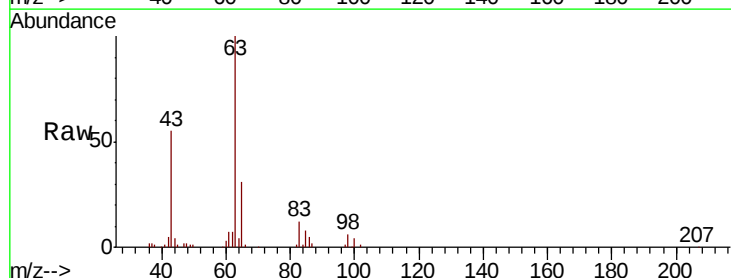
Tgt Ion: 63 Resp: 219419

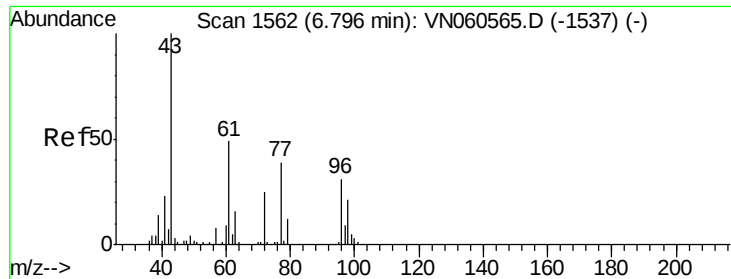
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 4.2 1.8 5.5

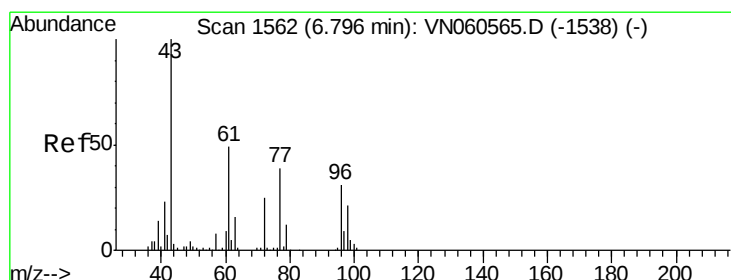
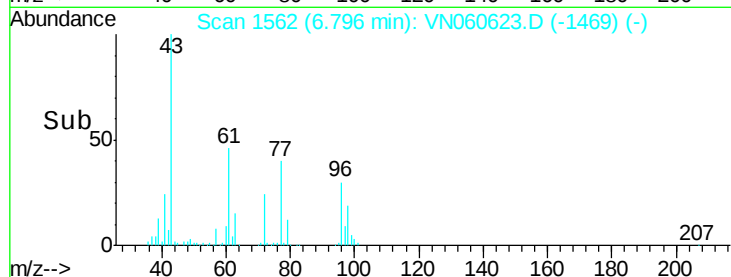
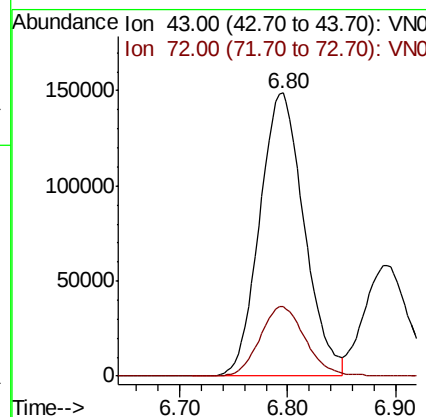
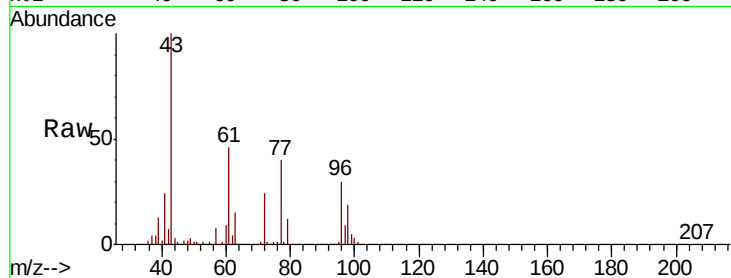




#25
2-Butanone
Concen: 261.503 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

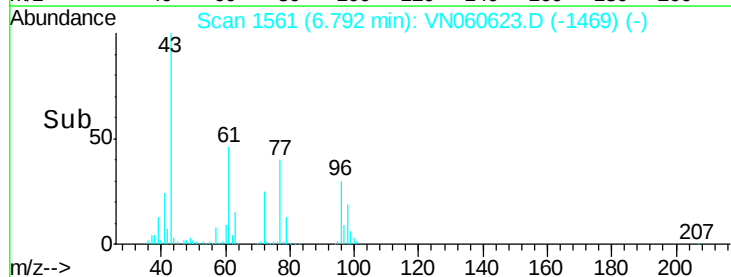
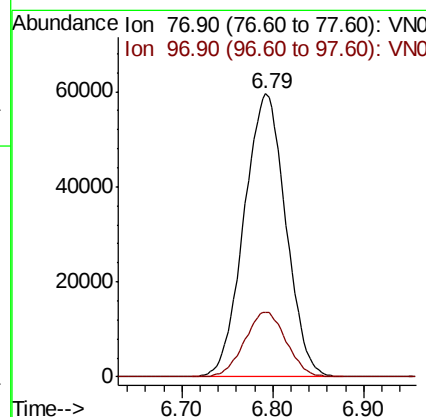
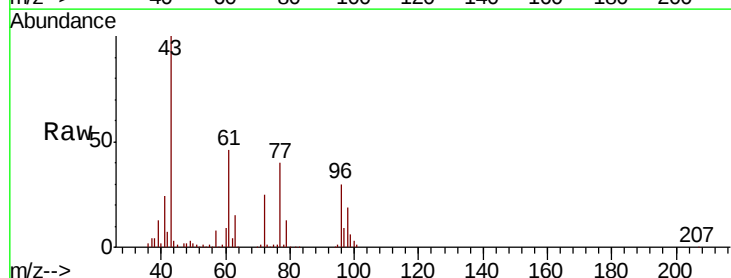
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

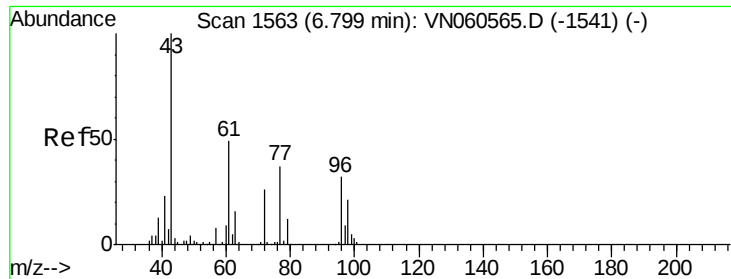
Tot Ion: 43 Resp: 425797
Ion Ratio Lower Upper
43 100
72 24.5 20.4 30.6



#26
2,2-Dichloropropane
Concen: 53.107 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 77 Resp: 189630
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.1

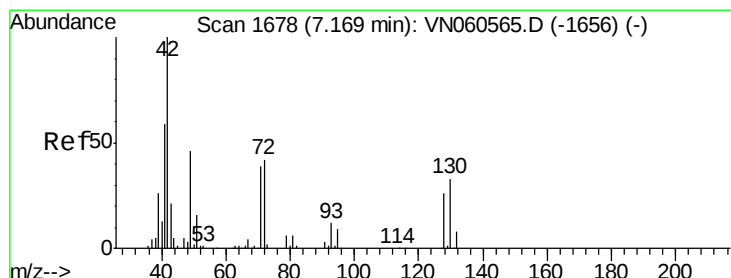
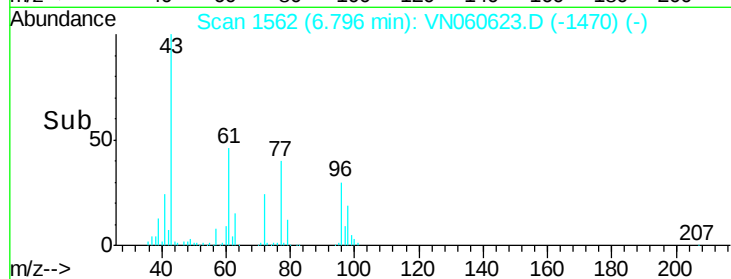
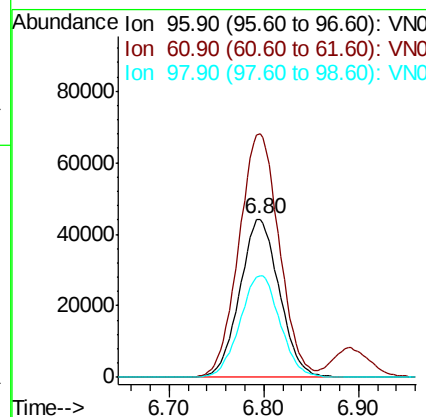
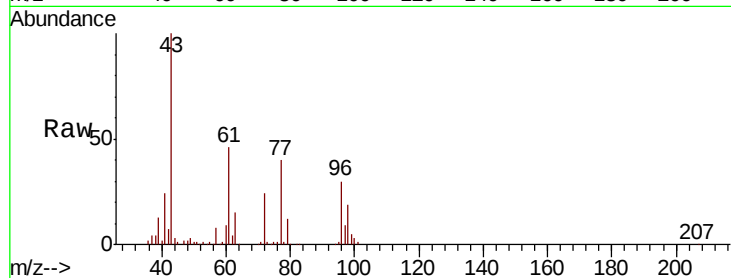




#27
 cis-1,2-Dichloroethene
 Concen: 47.314 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

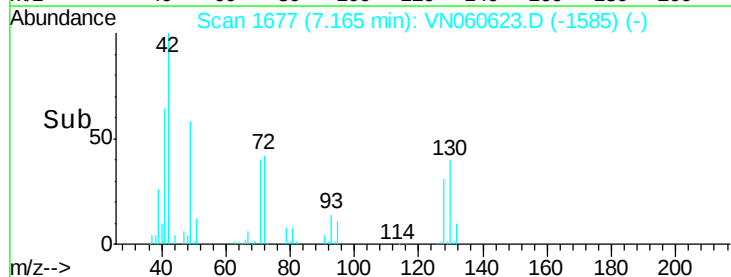
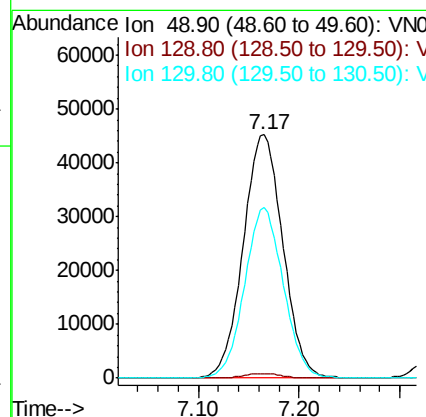
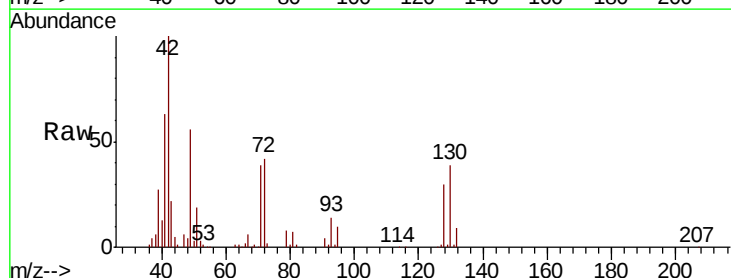
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	128386
Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	305.6
98	65.0	0.0	127.6



#28
 Bromochloromethane
 Concen: 56.829 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	49	Resp	123396
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.3	55.0	82.4





#29

Tetrahydrofuran

Concen: 231.582 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

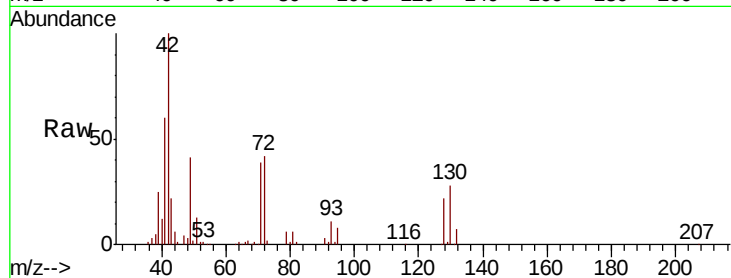
Tot Ion: 42 Resp: 266798

Ion Ratio Lower Upper

42 100

72 41.1 33.2 49.8

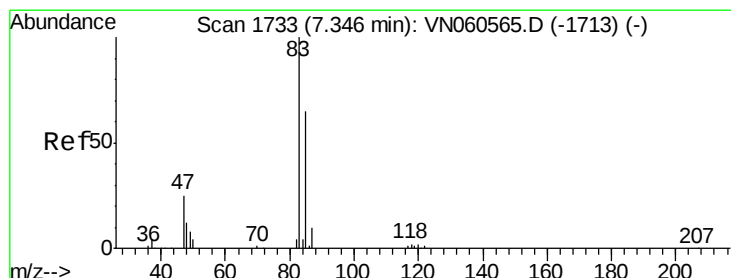
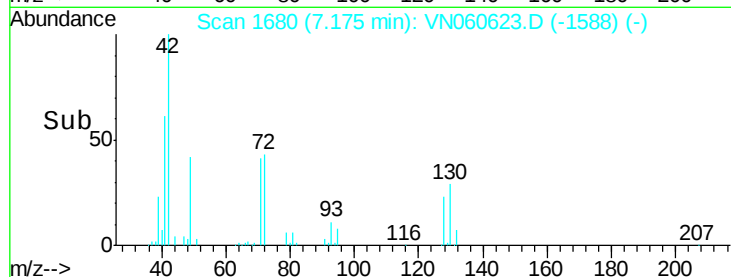
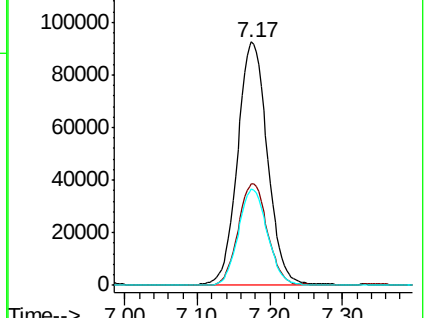
71 38.4 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN060623.D (-1588) (-)

Ion 72.00 (71.70 to 72.70): VN060623.D (-1588) (-)

Ion 71.00 (70.70 to 71.70): VN060623.D (-1588) (-)



#30

Chloroform

Concen: 47.567 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060623.D

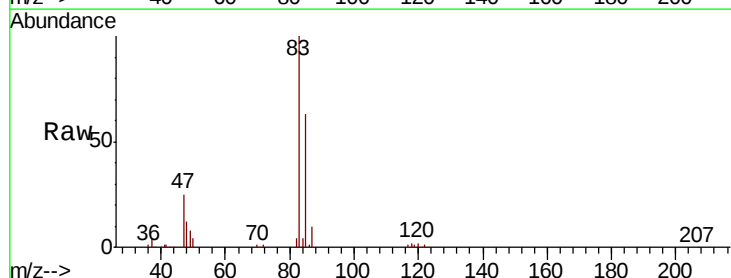
Acq: 19 Mar 2020 9:23

Tgt Ion: 83 Resp: 206953

Ion Ratio Lower Upper

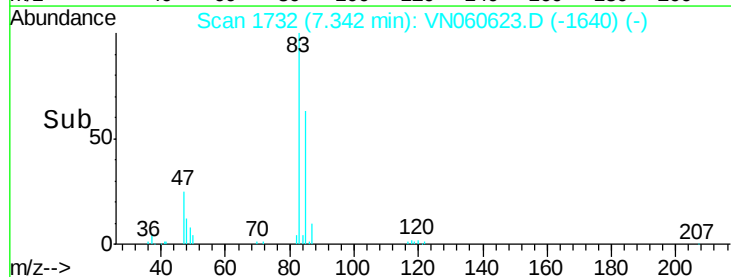
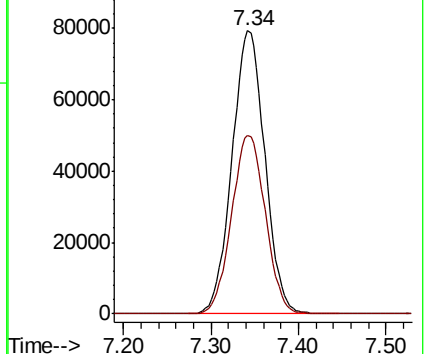
83 100

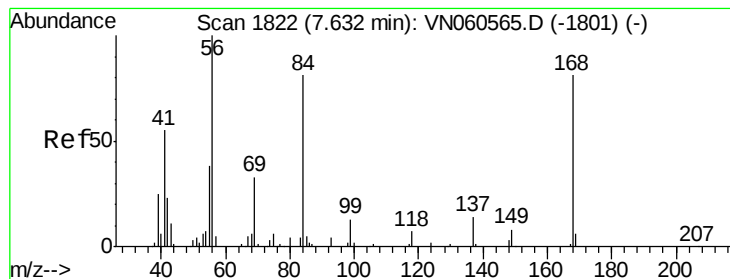
85 63.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN060623.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060623.D (-1640) (-)





#31

Cyclohexane

Concen: 46.024 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

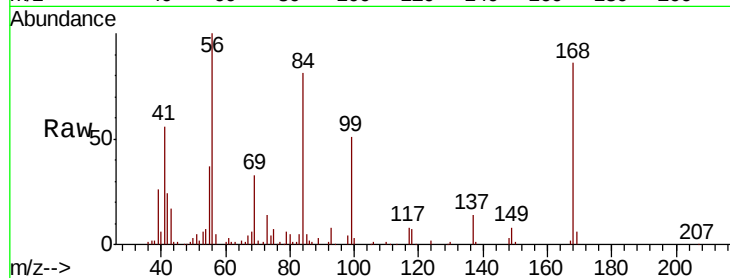
Tot Ion: 56 Resp: 210573

Ion Ratio Lower Upper

56 100

69 33.4 26.6 40.0

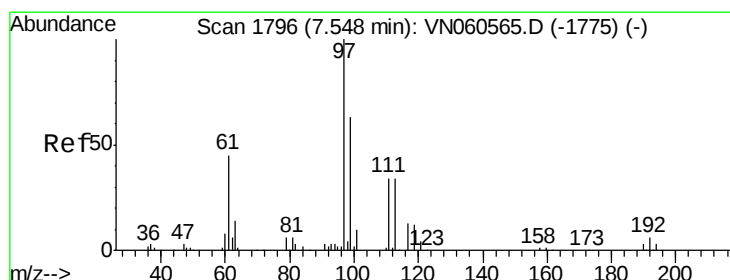
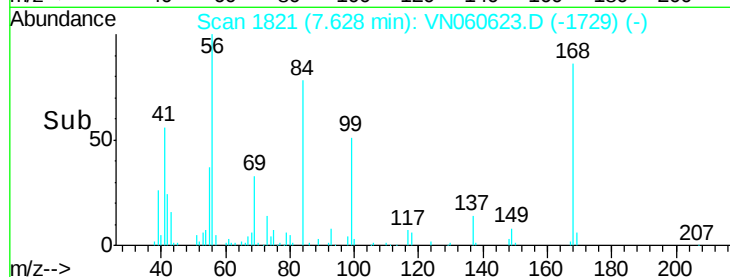
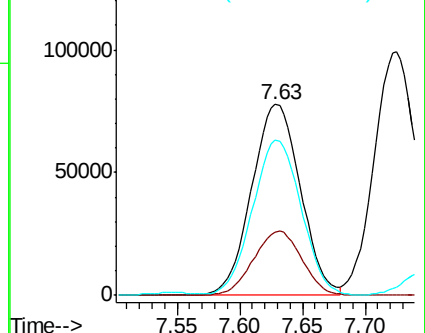
84 80.4 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060623.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060623.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060623.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 47.713 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

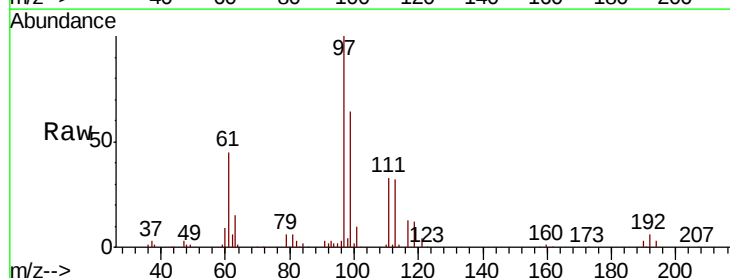
Tgt Ion: 97 Resp: 178955

Ion Ratio Lower Upper

97 100

99 64.6 50.6 75.8

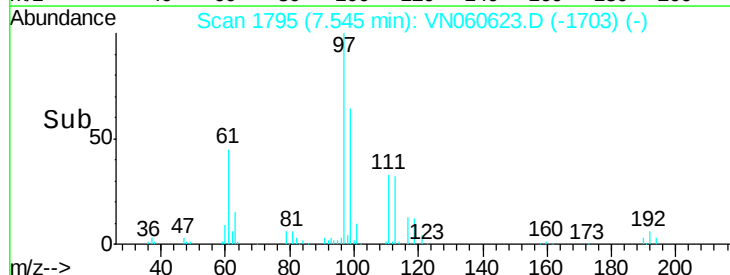
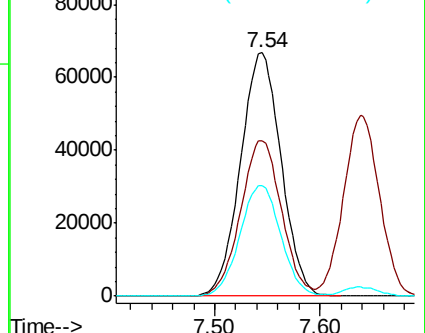
61 45.9 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN060623.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060623.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060623.D (-1703) (-)

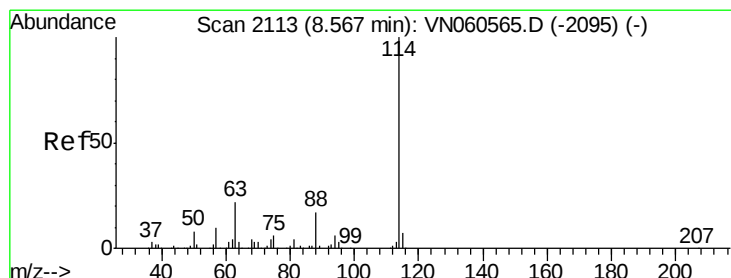
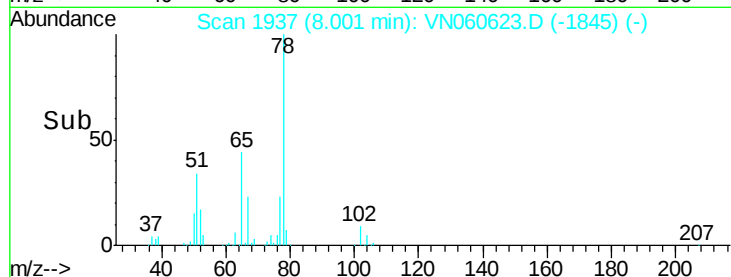
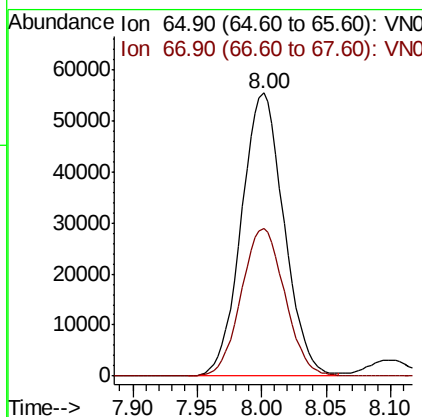
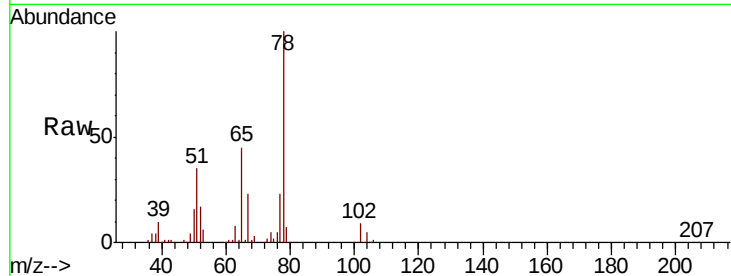




#33
 1,2-Dichloroethane-d4
 Concen: 44.933 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

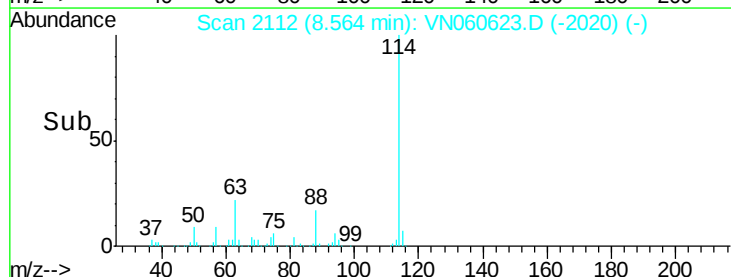
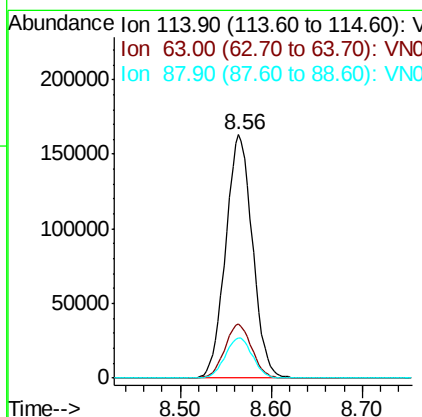
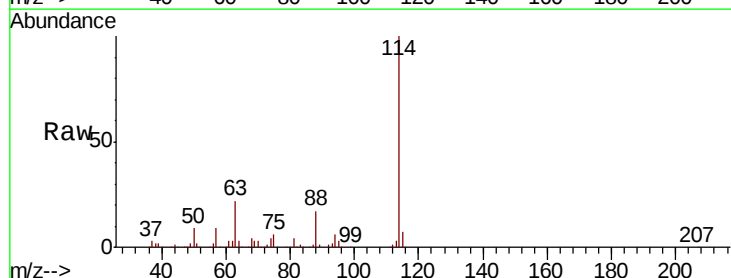
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

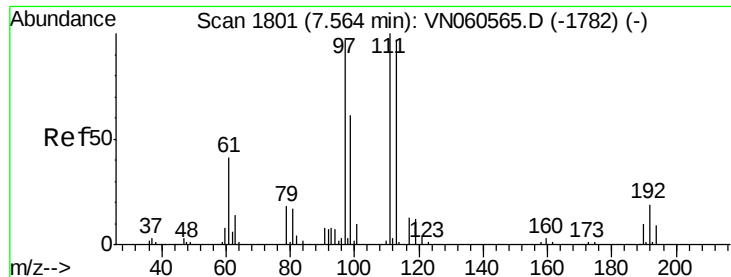
Tot Ion: 65 Resp: 127643
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion: 114 Resp: 333867
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.7 0.0 33.0

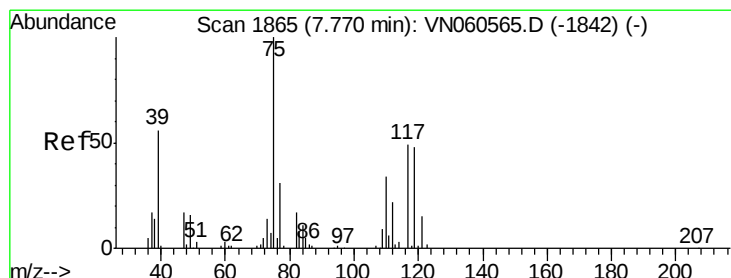
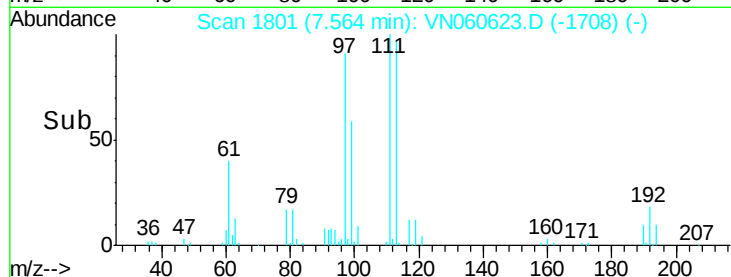
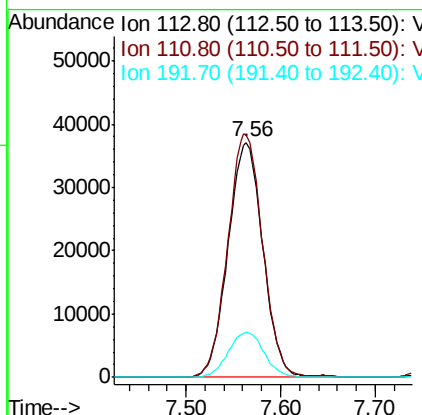
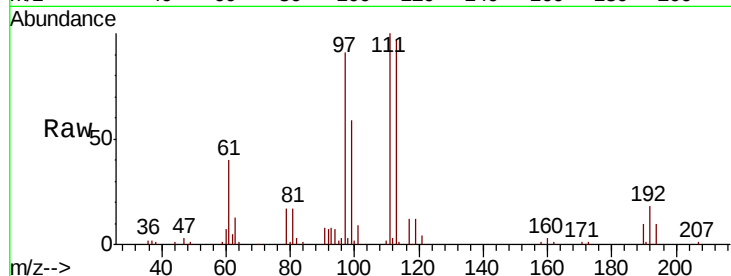




#35
Dibromofluoromethane
Concen: 47.062 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

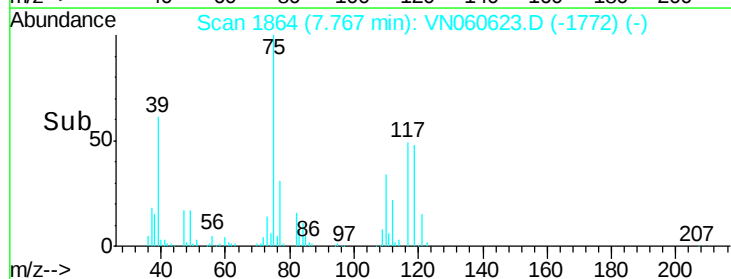
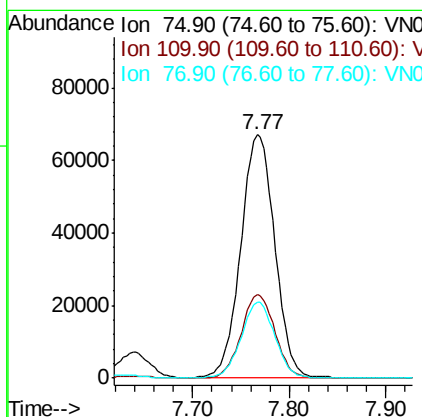
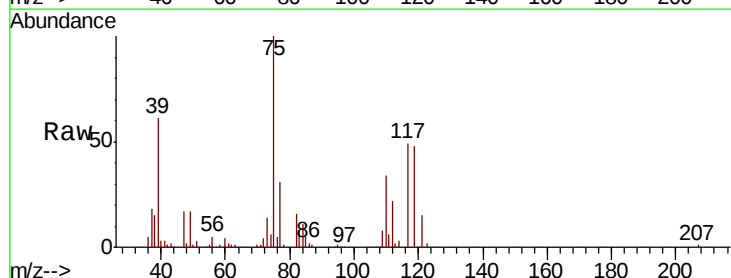
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

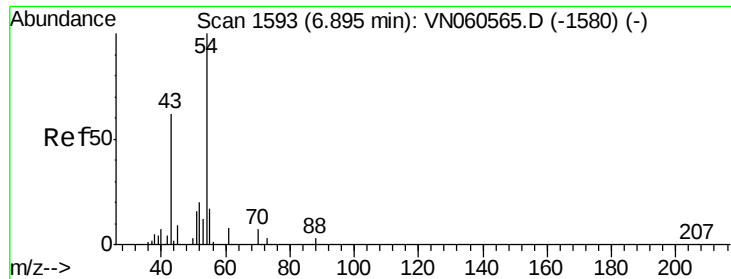
Tot Ion:113 Resp: 95009
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 19.6 15.8 23.8



#36
1,1-Dichloropropene
Concen: 50.808 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 75 Resp: 164256
Ion Ratio Lower Upper
75 100
110 33.8 16.9 50.6
77 31.0 24.6 36.8

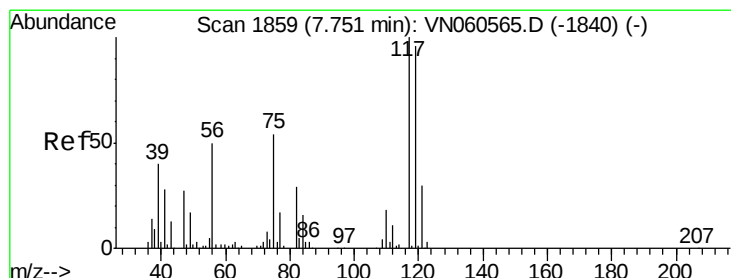
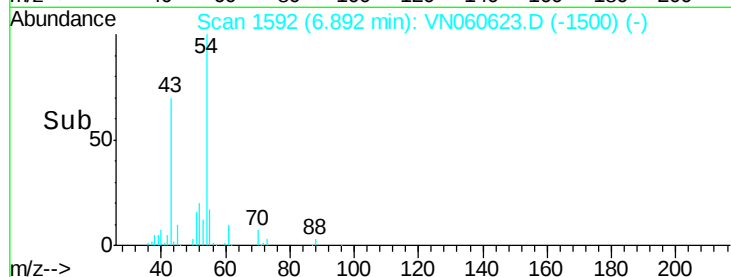
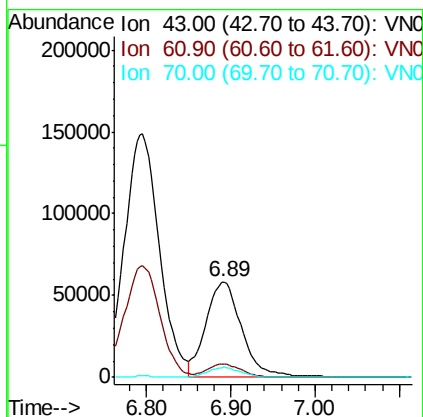
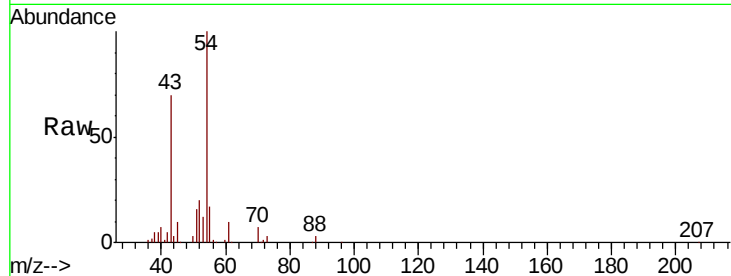




#37
Ethyl Acetate
Concen: 48.758 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

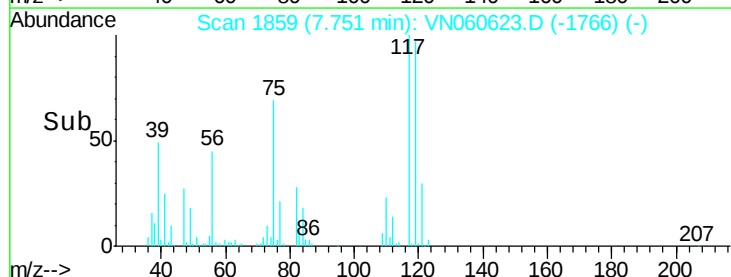
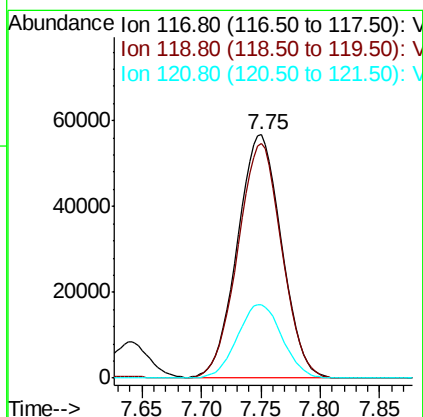
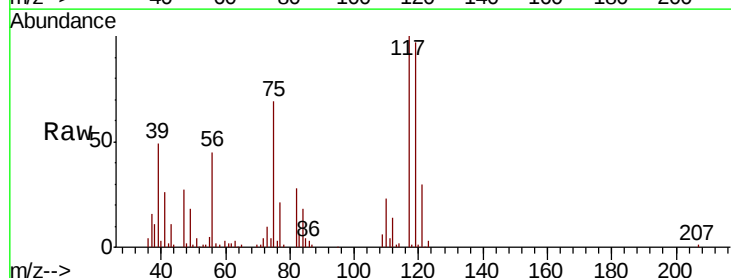
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

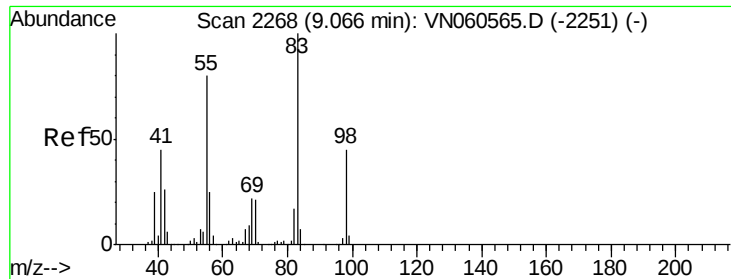
Tot Ion: 43 Resp: 170319
Ion Ratio Lower Upper
43 100
61 13.5 10.6 15.8
70 9.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 50.353 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 117 Resp: 145896
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.2
121 30.1 23.7 35.5

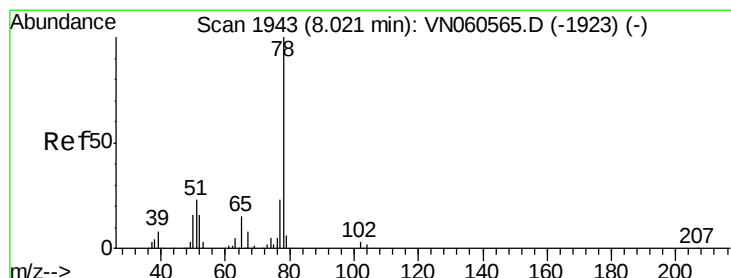
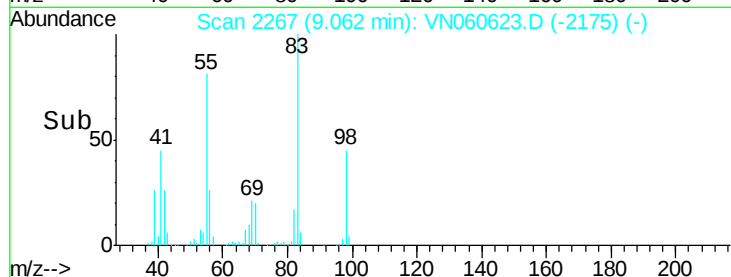
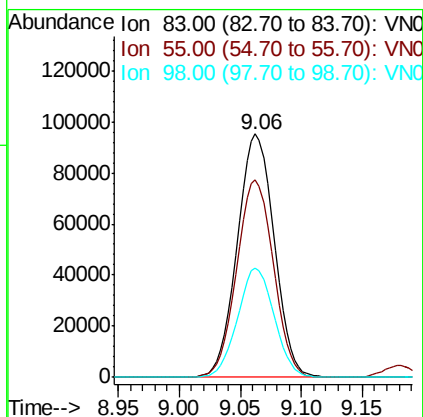
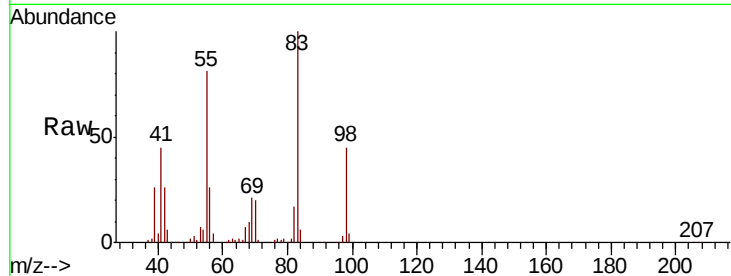




#39
Methvlcvclohexane
Concen: 51.890 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

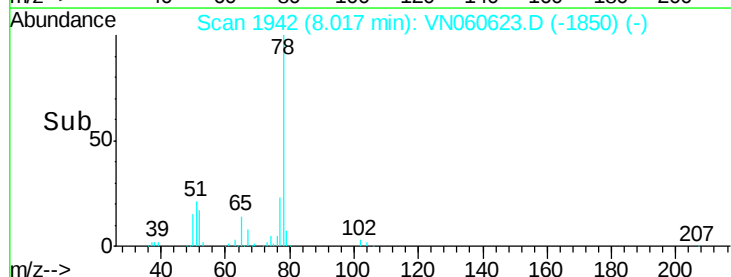
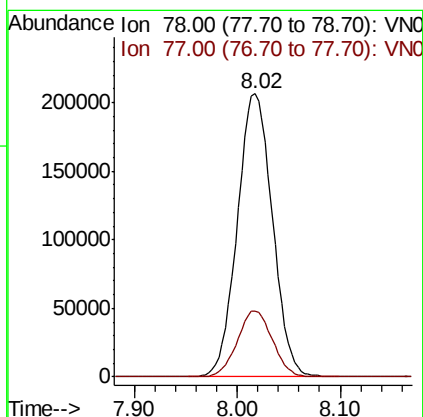
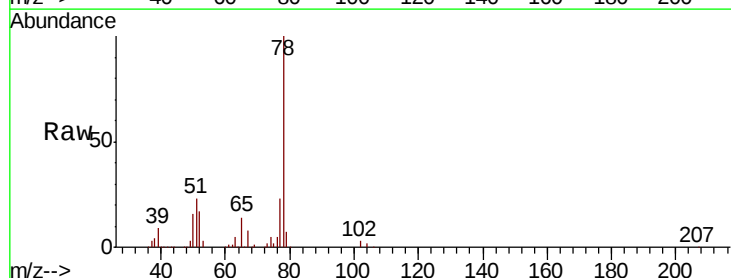
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

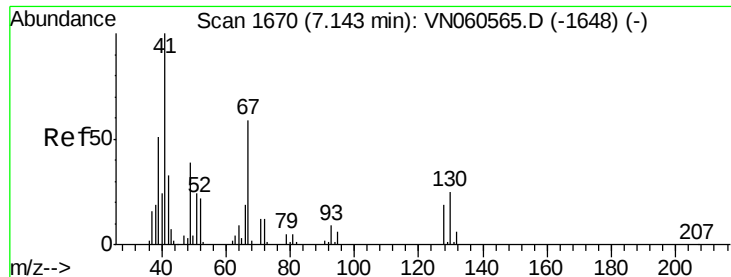
Tot Ion: 83 Resp: 199356
Ion Ratio Lower Upper
83 100
55 80.9 63.6 95.4
98 45.1 36.0 54.0



#40
Benzene
Concen: 50.198 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 78 Resp: 489896
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0

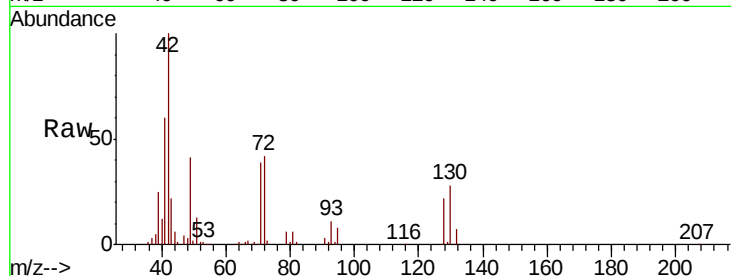




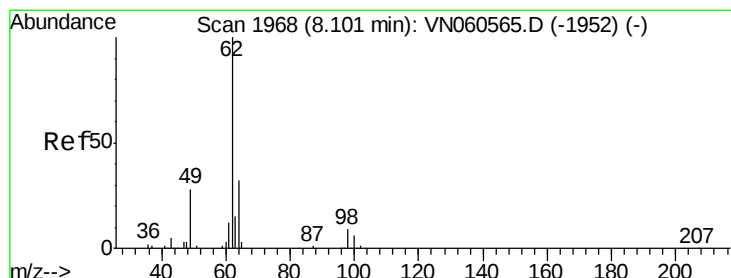
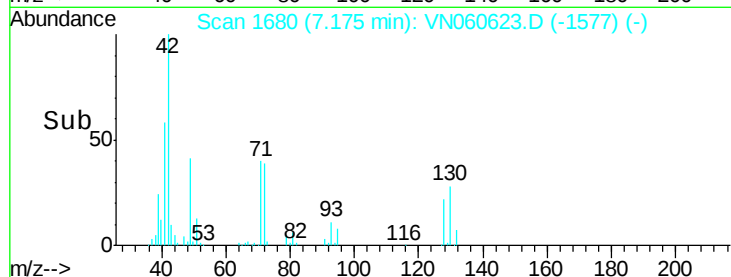
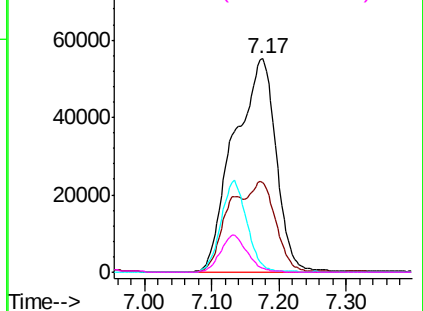
#41
Methacrylonitrile
Concen: 161.416 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	240638
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

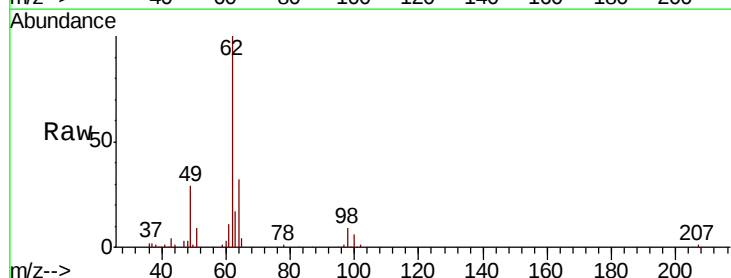


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

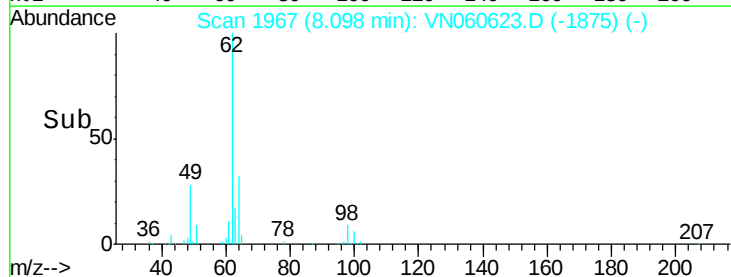
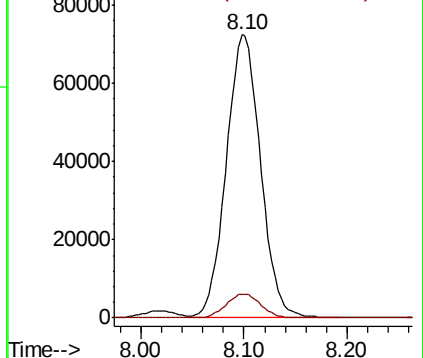


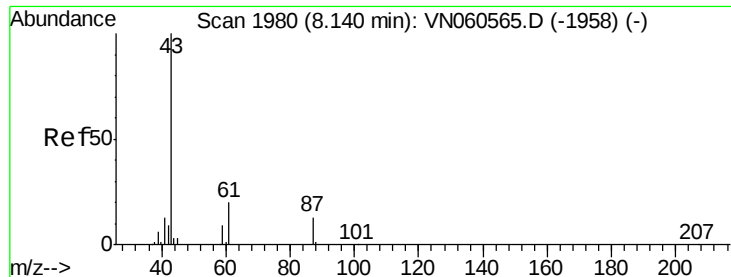
#42
1,2-Dichloroethane
Concen: 50.231 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion:	62	Resp:	167532
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 49.628 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

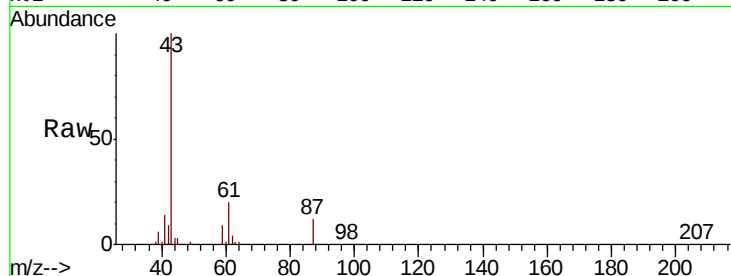
Tot Ion: 43 Resp: 285906

Ion Ratio Lower Upper

43 100

61 25.8 20.7 31.1

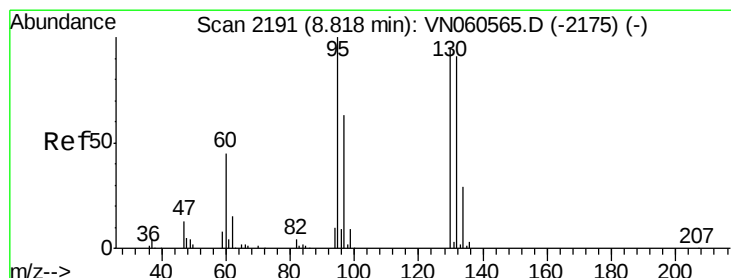
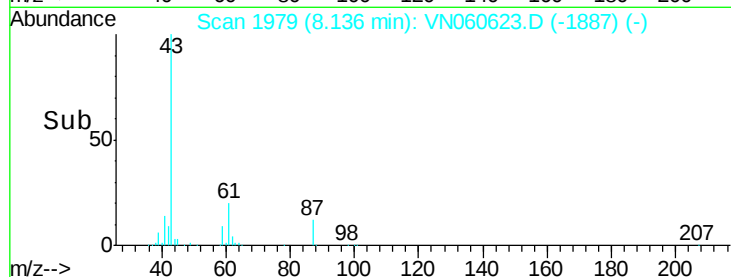
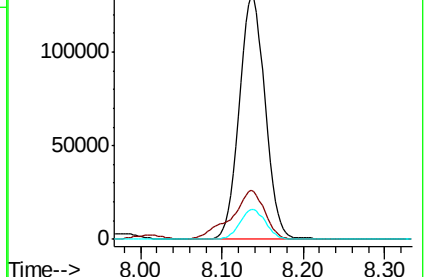
87 12.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#44

Trichloroethene

Concen: 51.160 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060623.D

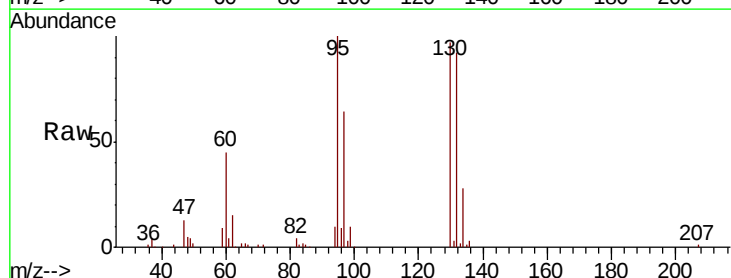
Acq: 19 Mar 2020 9:23

Tgt Ion: 130 Resp: 125864

Ion Ratio Lower Upper

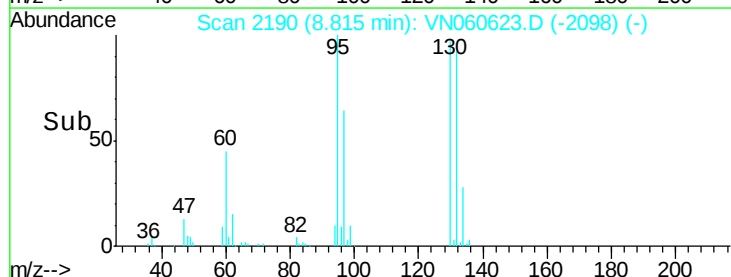
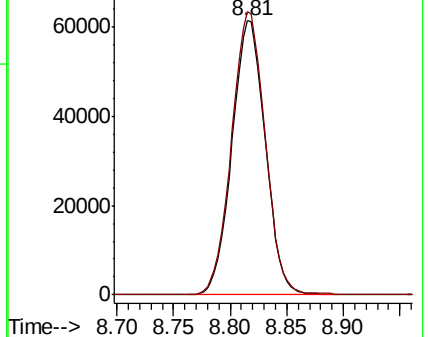
130 100

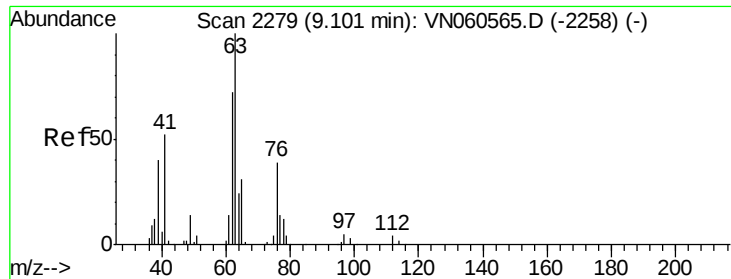
95 103.2 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060565.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060565.D (-2175) (-)

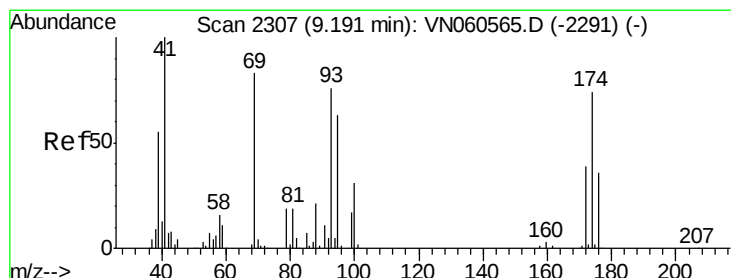
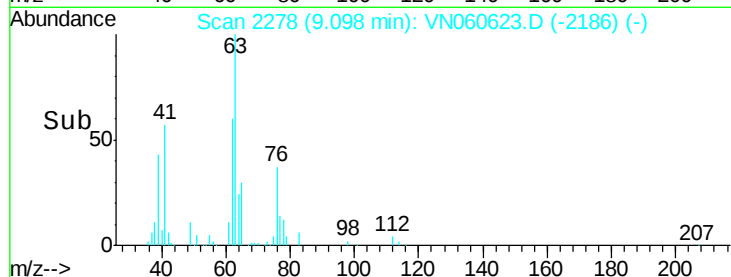
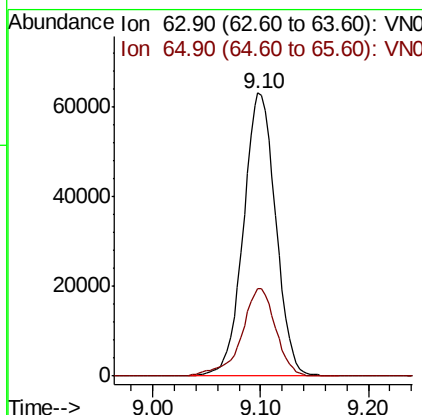
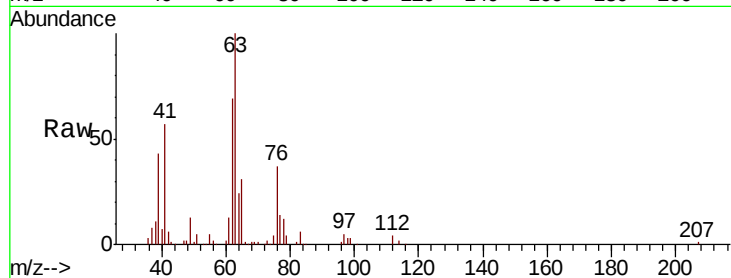




#45
 1,2-Dichloropropane
 Concen: 50.867 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

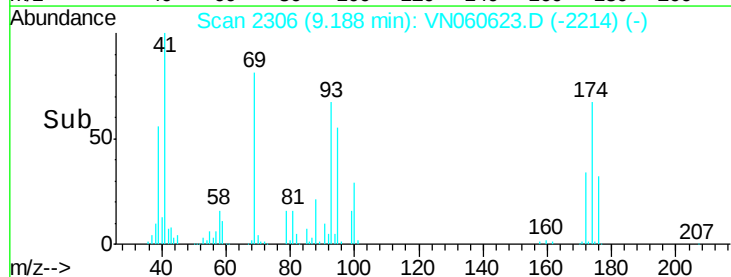
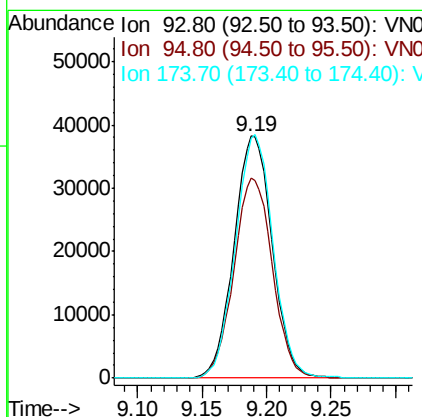
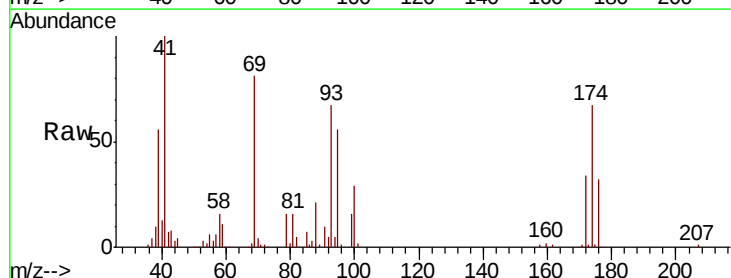
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 130990
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.4 38.0



#46
 Dibromomethane
 Concen: 50.783 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion: 93 Resp: 79060
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.4
 174 98.9 77.9 116.9





#47

Bromodichloromethane

Concen: 51.001 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

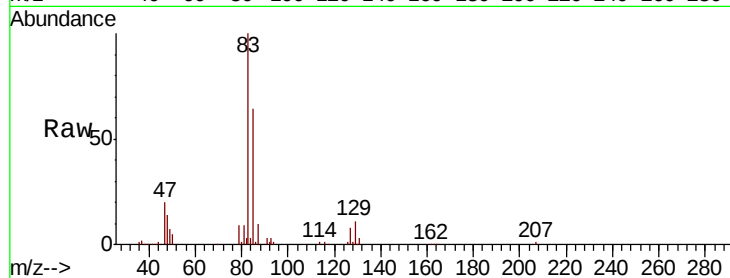
Tot Ion: 83 Resp: 164993

Ion Ratio Lower Upper

83 100

85 64.1 51.8 77.6

127 8.1 6.5 9.7

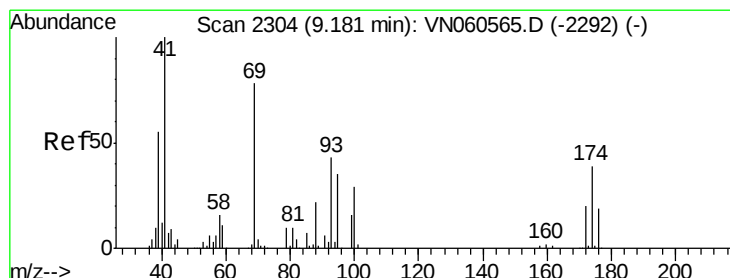
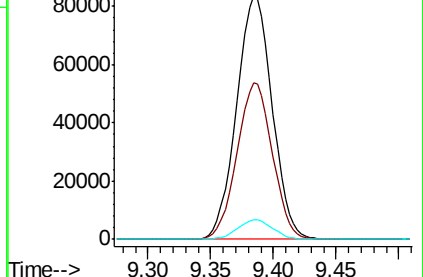
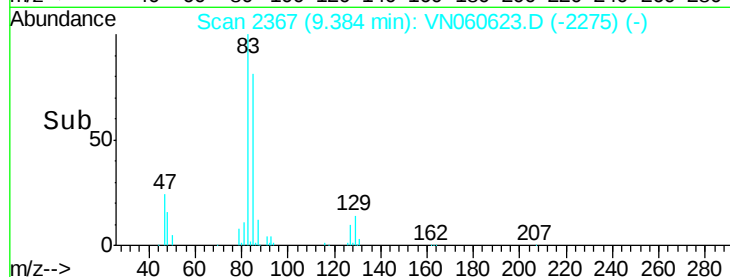


Abundance Ion 82.90 (82.60 to 83.60): VN060623.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060623.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060623.D (-2275) (-)

9.38



#48

Methyl methacrylate

Concen: 49.710 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

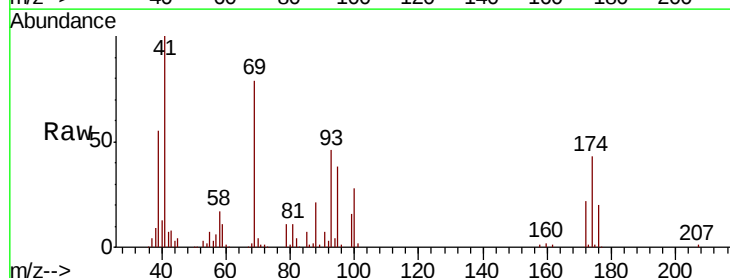
Tgt Ion: 41 Resp: 127504

Ion Ratio Lower Upper

41 100

69 82.2 65.4 98.0

39 54.6 44.0 66.0

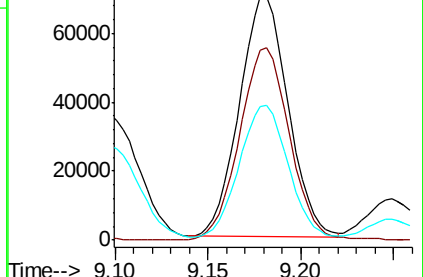
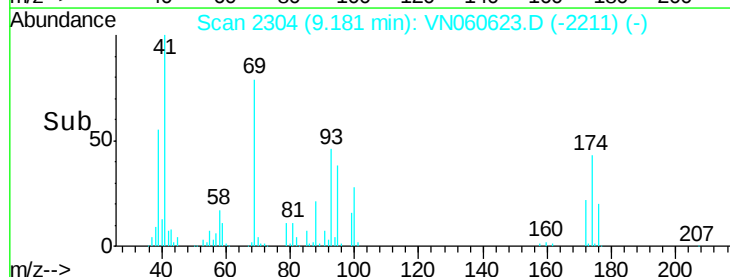


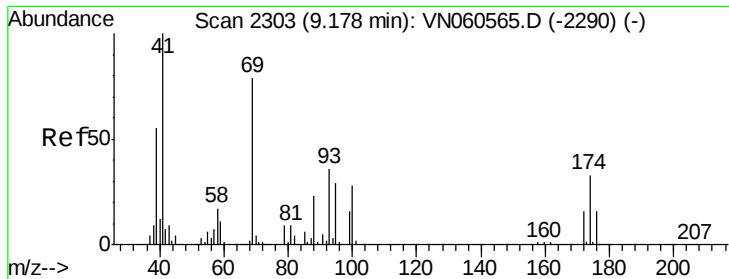
Abundance Ion 41.00 (40.70 to 41.70): VN060623.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060623.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060623.D (-2211) (-)

9.18

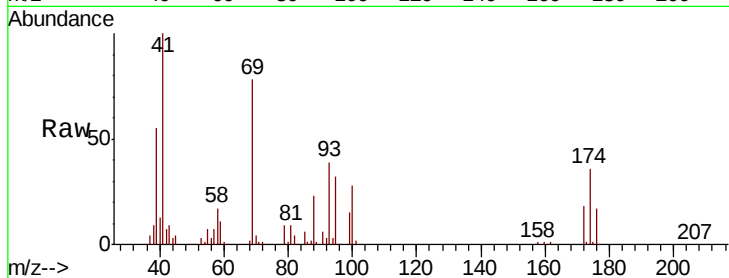




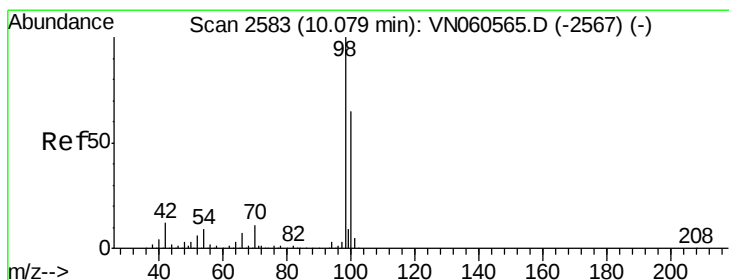
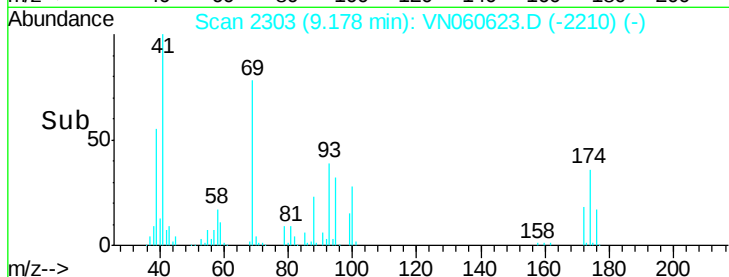
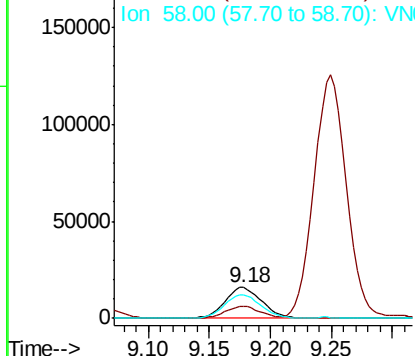
#49
1,4-Dioxane
Concen: 1108.858 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 33806
Ion Ratio Lower Upper
88 100
43 36.9 30.8 46.2
58 75.5 59.8 89.8

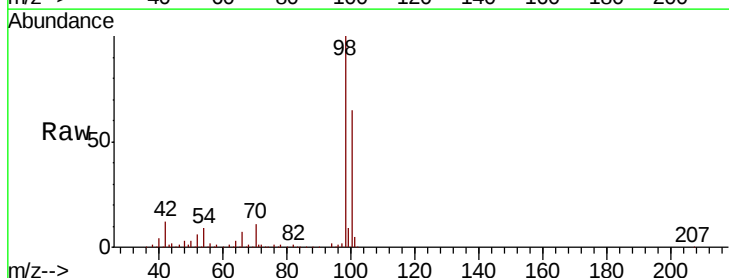


Abundance Ion 88.00 (87.70 to 88.70): VN060623.D (-2210) (-)
Ion 43.00 (42.70 to 43.70): VN060623.D (-2210) (-)
Ion 58.00 (57.70 to 58.70): VN060623.D (-2210) (-)

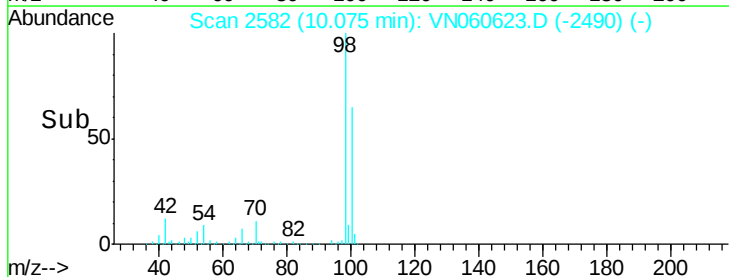
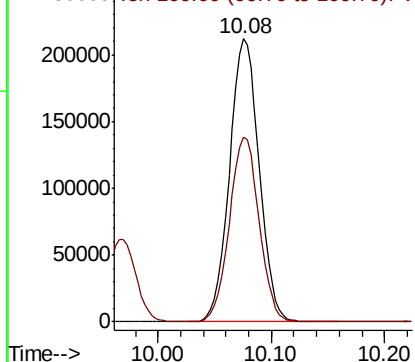


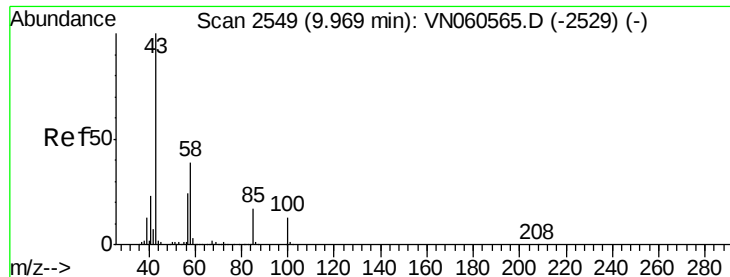
#50
Toluene-d8
Concen: 46.784 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 98 Resp: 385777
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060623.D (-2490) (-)
Ion 100.00 (99.70 to 100.70): VN060623.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 252.253 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

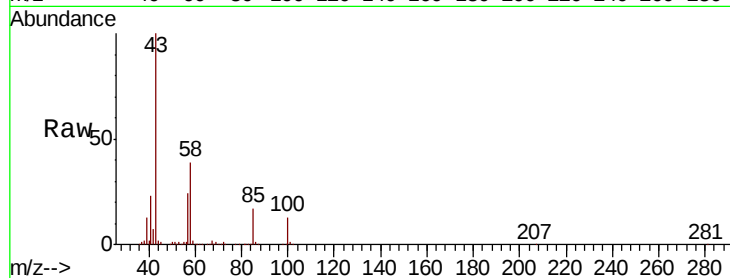
VSTDCCC050

Tot Ion: 43 Resp: 826942

Ion Ratio Lower Upper

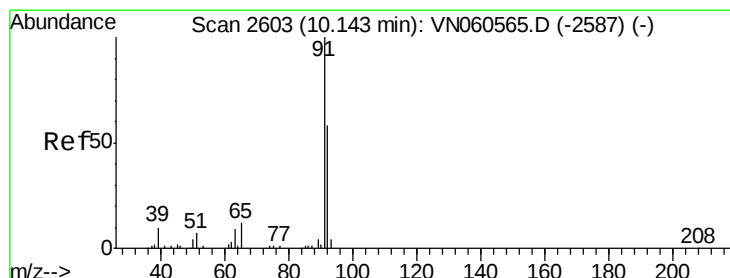
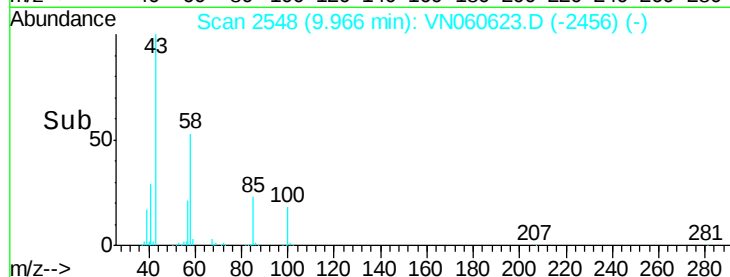
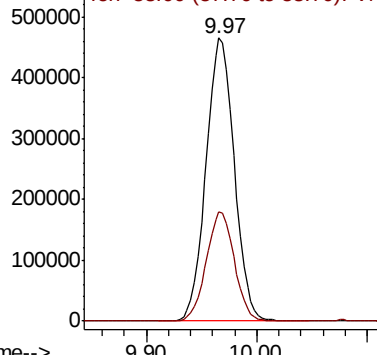
43 100

58 38.3 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.687 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060623.D

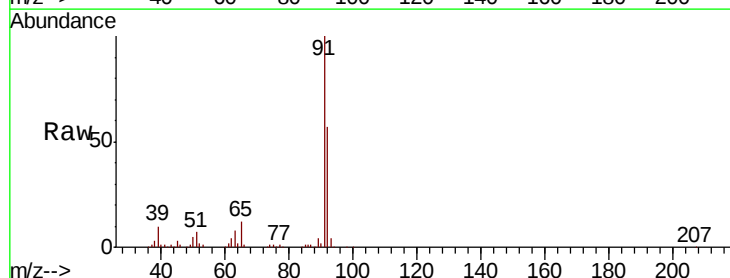
Acq: 19 Mar 2020 9:23

Tgt Ion: 92 Resp: 298745

Ion Ratio Lower Upper

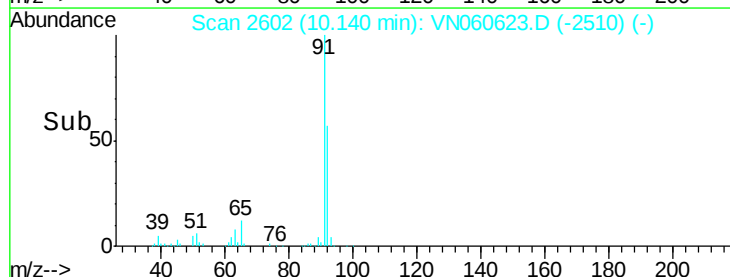
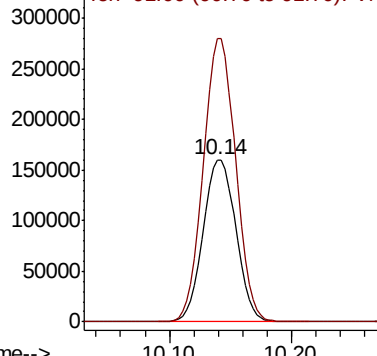
92 100

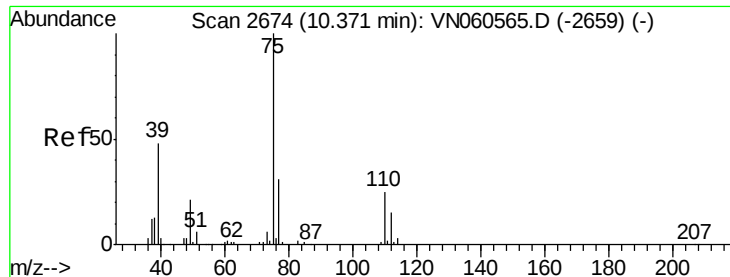
91 172.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.009 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

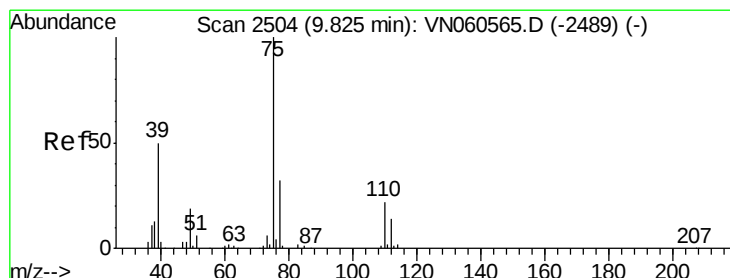
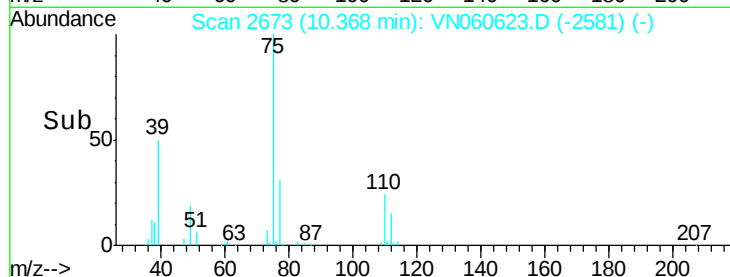
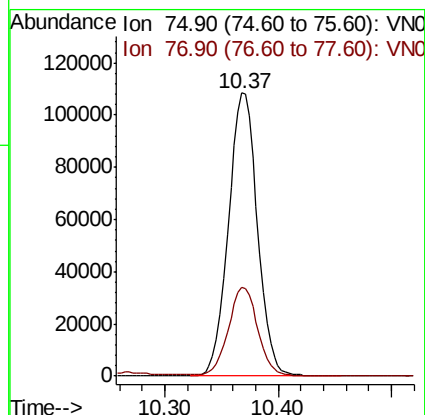
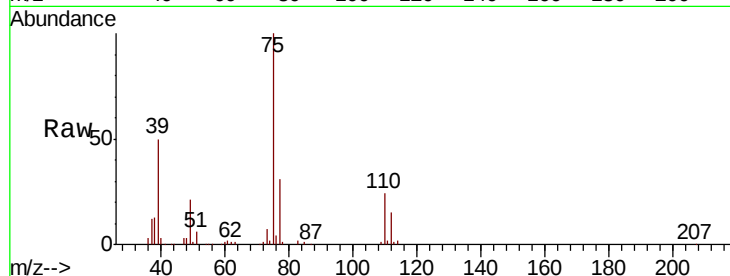
VSTDCCC050

Tot Ion: 75 Resp: 193270

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.339 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

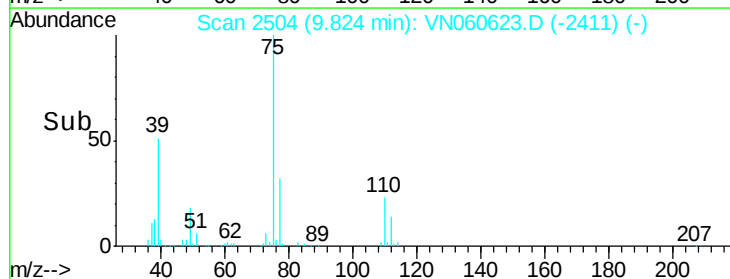
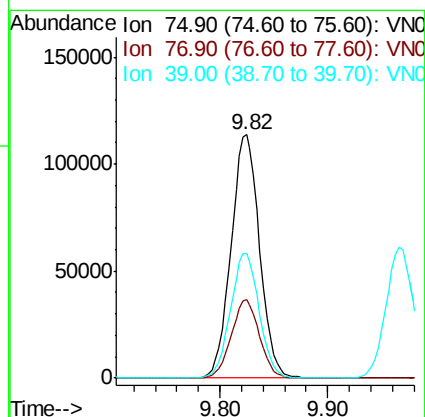
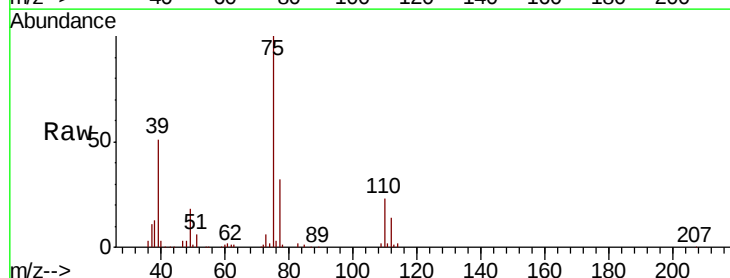
Tgt Ion: 75 Resp: 209295

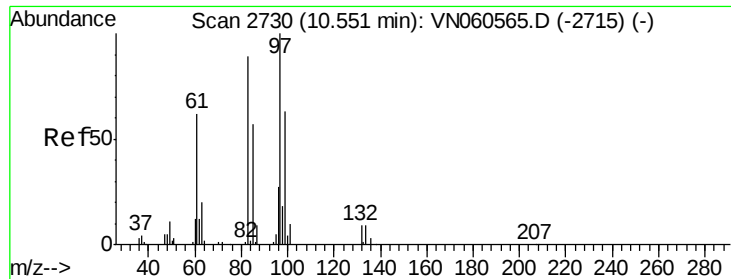
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 51.4 40.2 60.4



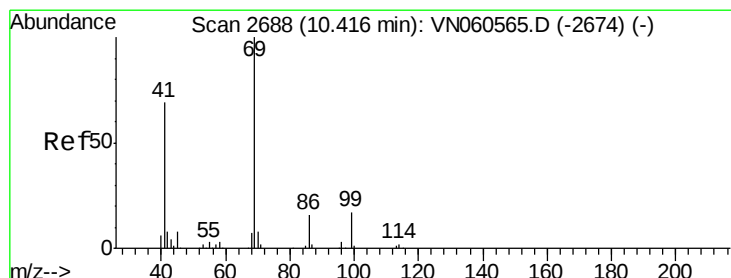
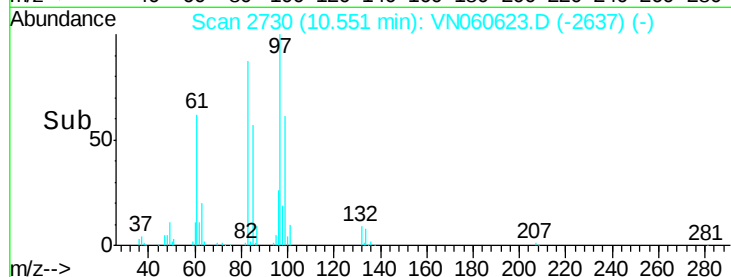
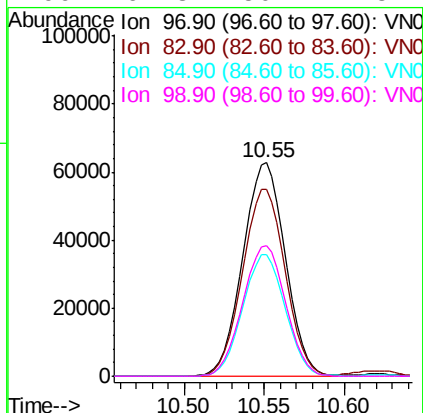
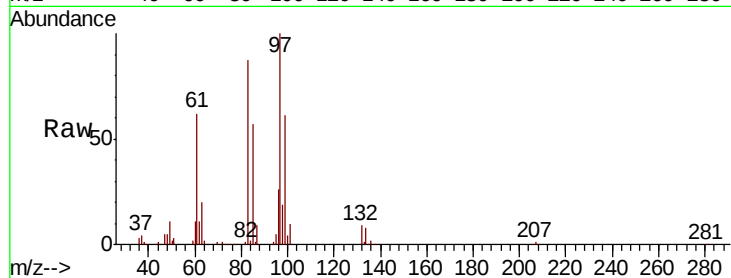


#55
 1,1,2-Trichloroethane
 Concen: 50.275 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 113996

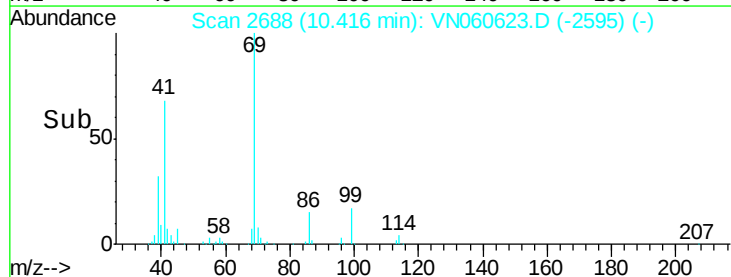
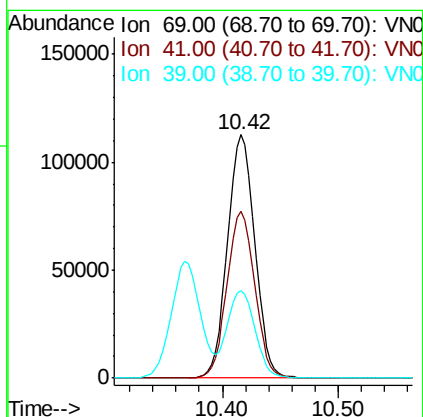
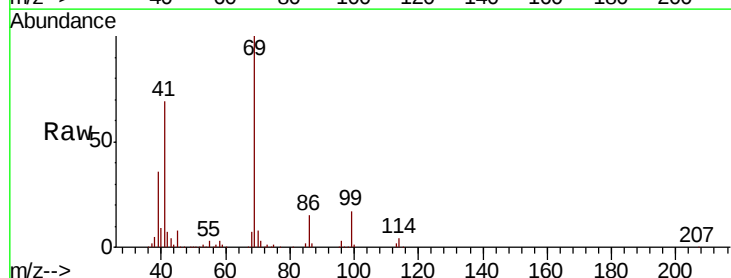
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.3	106.9
85	56.9	45.2	67.8
99	61.3	50.1	75.1

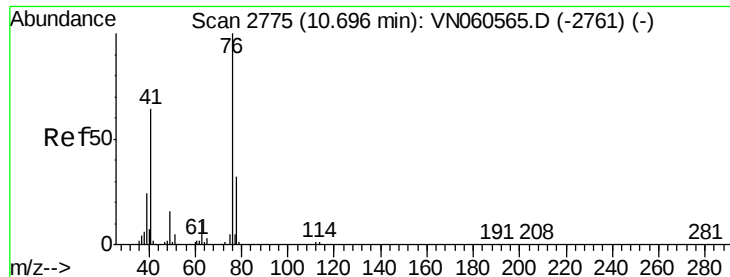


#56
 Ethyl methacrylate
 Concen: 51.838 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion: 69 Resp: 183275

Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.4	83.2
39	37.2	29.4	44.0





#57

1,3-Dichloropropane

Concen: 50.347 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

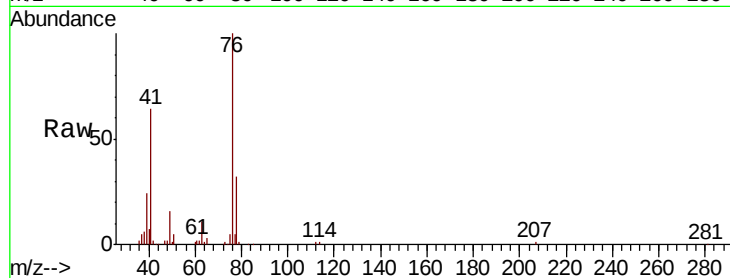
VSTDCCC050

Tot Ion: 76 Resp: 198104

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060623.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060623.D (-2682) (-)

10.70

120000

100000

80000

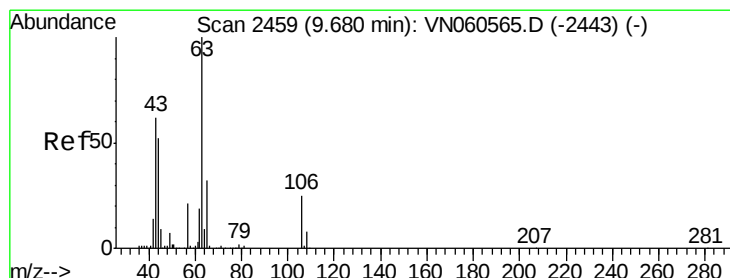
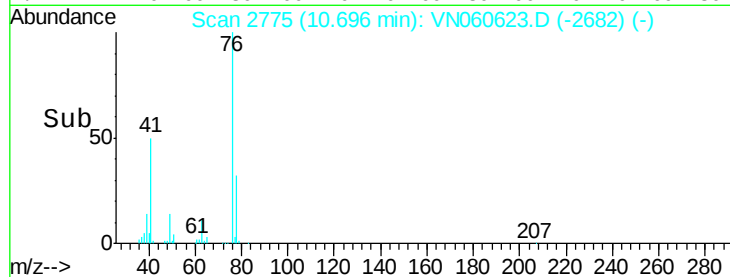
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.079 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060623.D

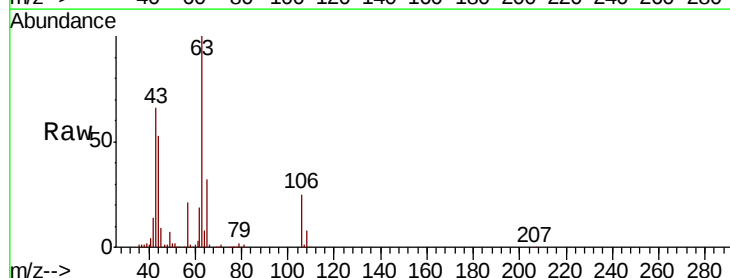
Acq: 19 Mar 2020 9:23

Tgt Ion: 63 Resp: 430651

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060623.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060623.D (-2366) (-)

9.68

250000

200000

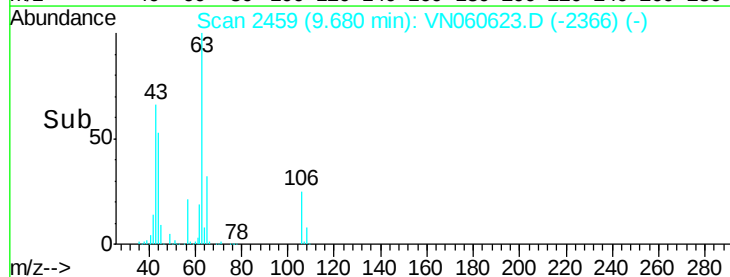
150000

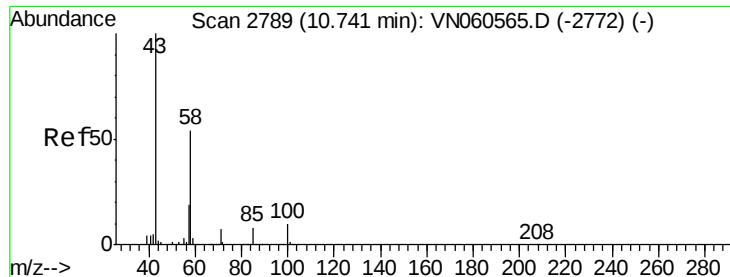
100000

50000

0

Time-->

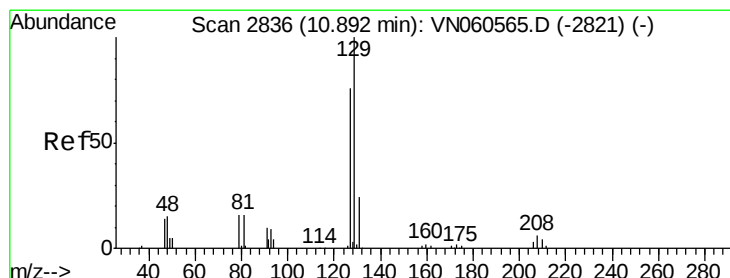
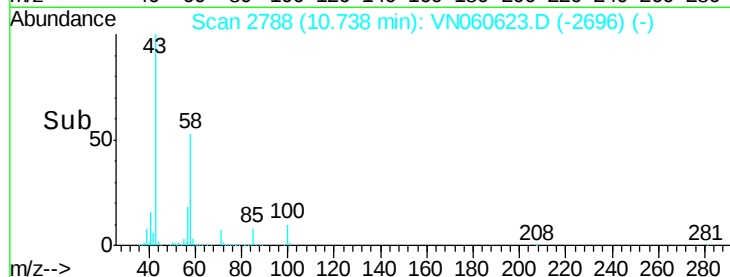
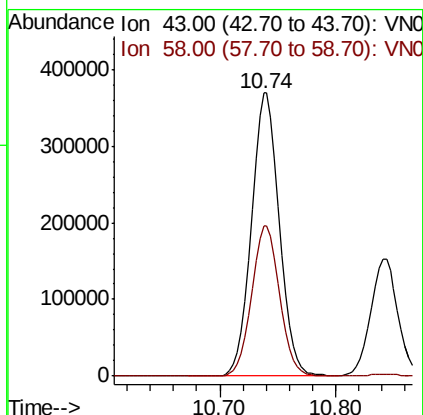
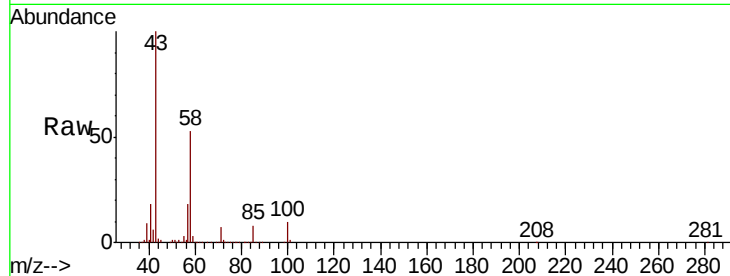




#59
2-Hexanone
Concen: 262.970 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

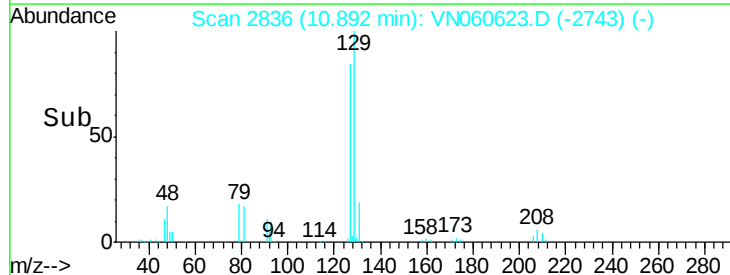
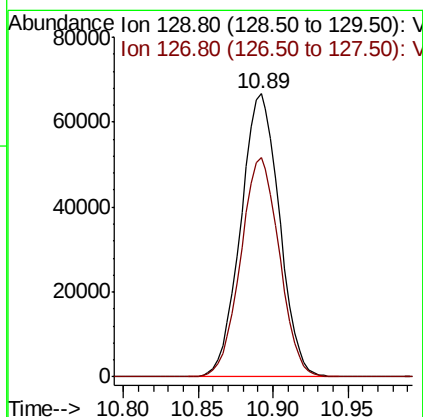
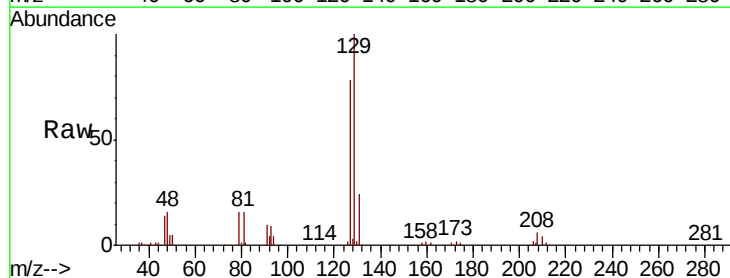
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

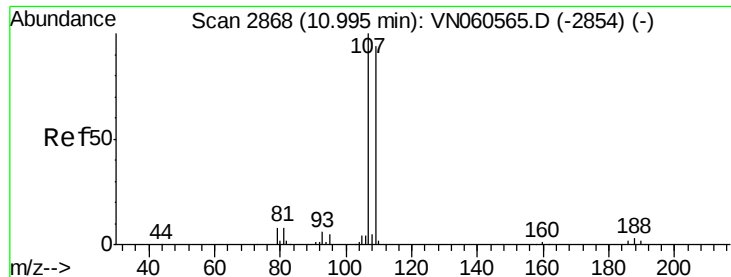
Tot Ion: 43 Resp: 620999
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1



#60
Dibromochloromethane
Concen: 51.323 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 129 Resp: 120209
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

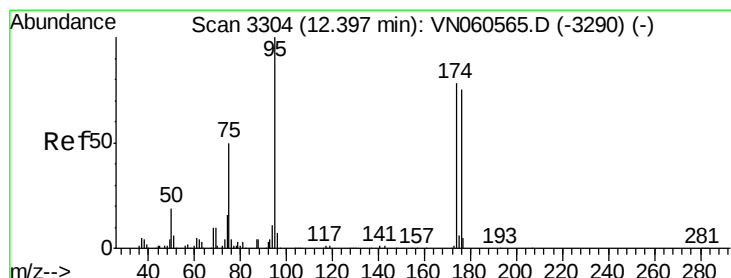
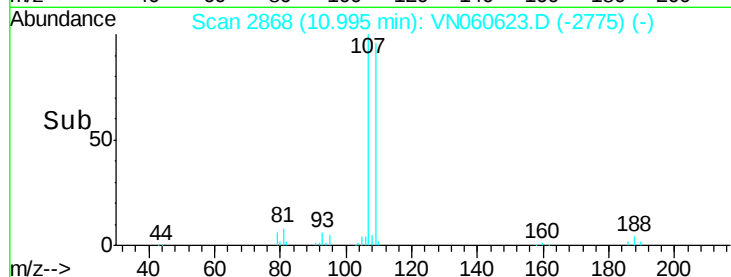
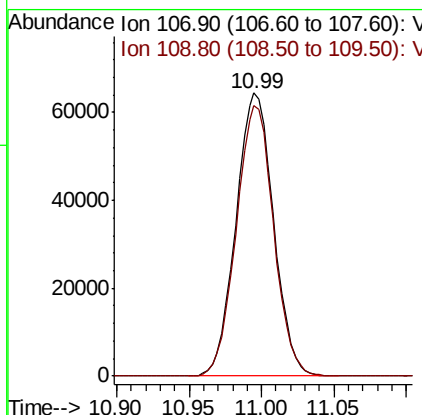
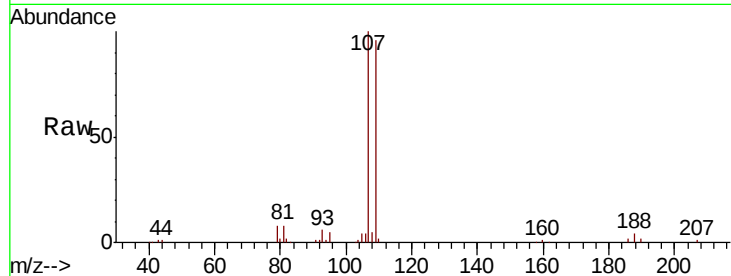




#61
 1,2-Dibromoethane
 Concen: 50.791 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

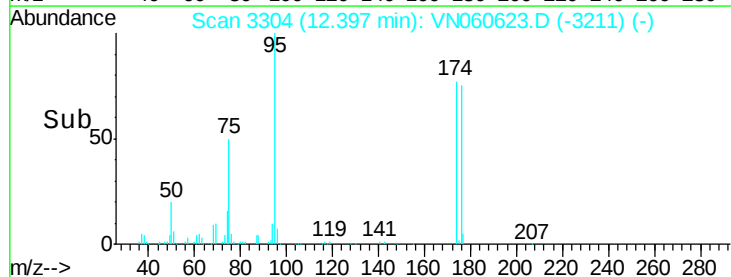
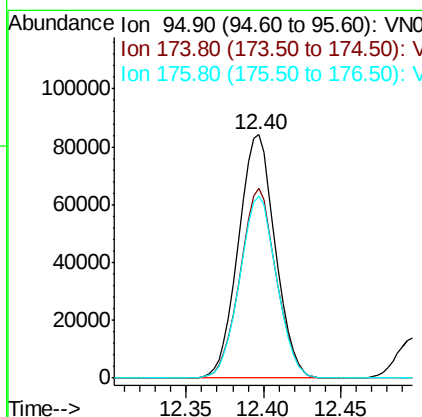
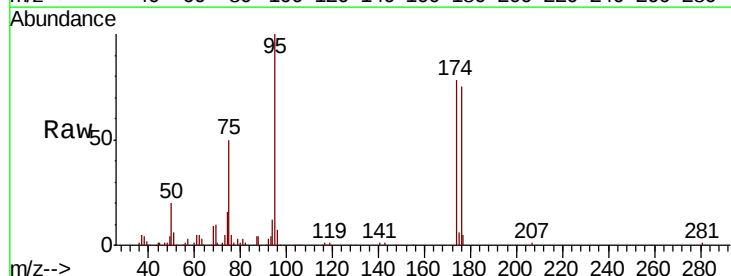
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 115806
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 46.107 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion: 95 Resp: 139336
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 157.6
 176 74.9 0.0 150.6

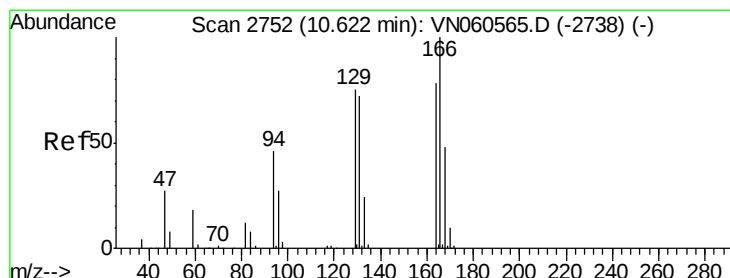
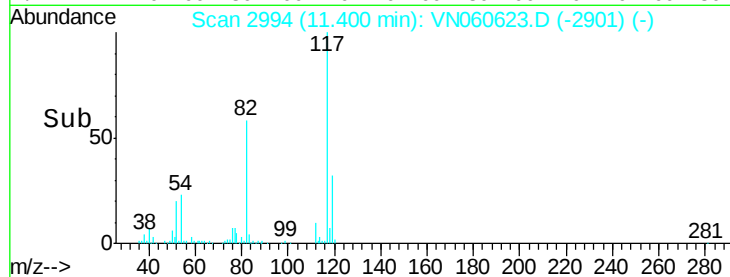
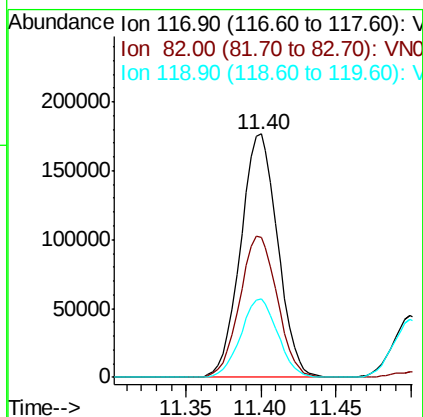
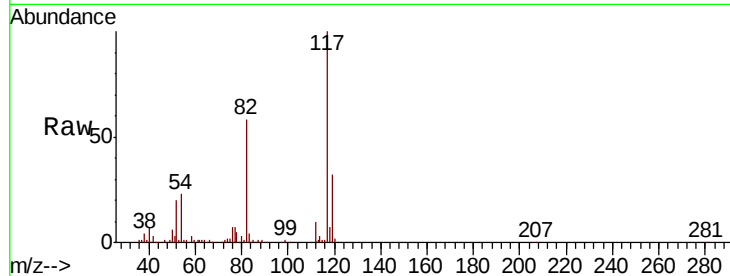




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

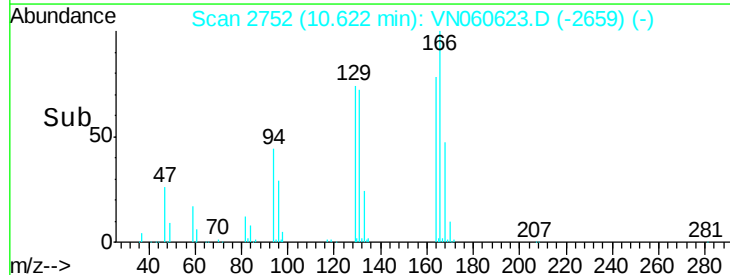
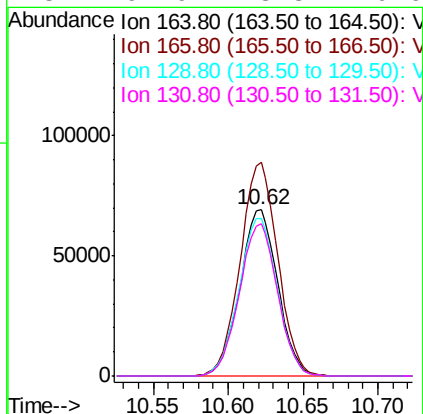
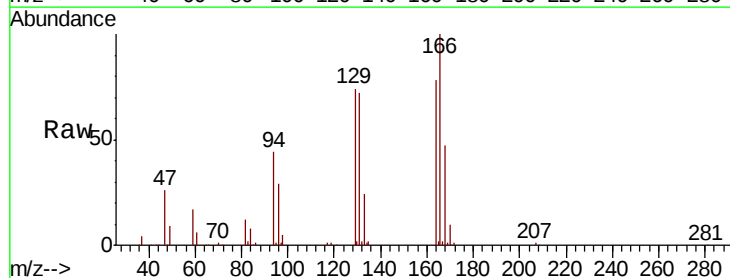
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 304839
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 50.835 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion:164 Resp: 121943
Ion Ratio Lower Upper
164 100
166 128.5 102.7 154.1
129 94.9 77.2 115.8
131 91.9 73.8 110.6

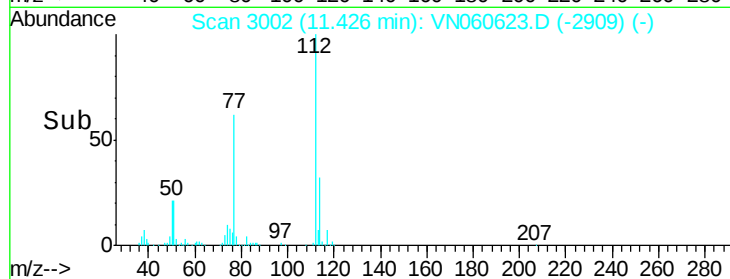
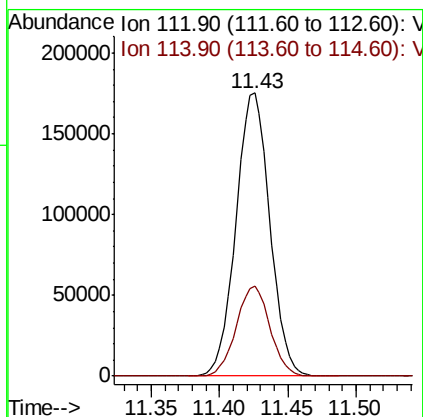
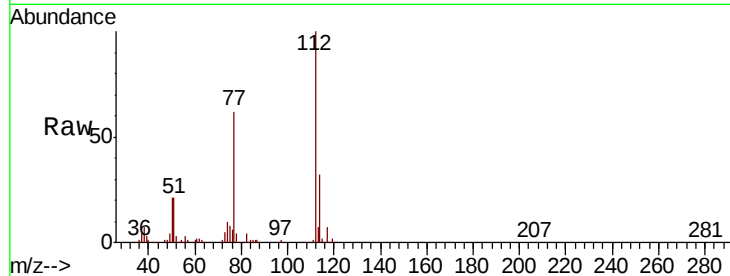




#65
Chlorobenzene
Concen: 49.975 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

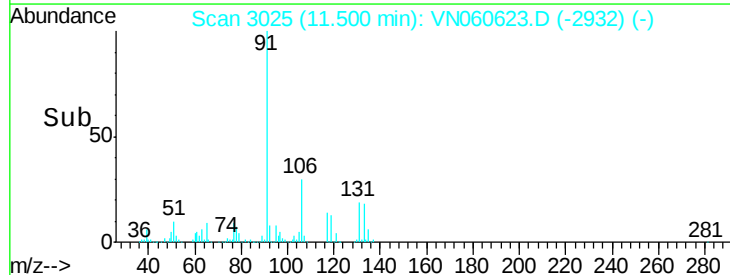
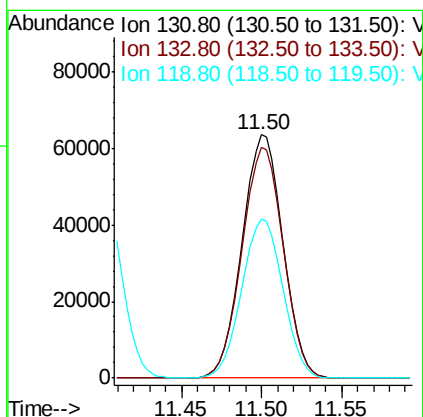
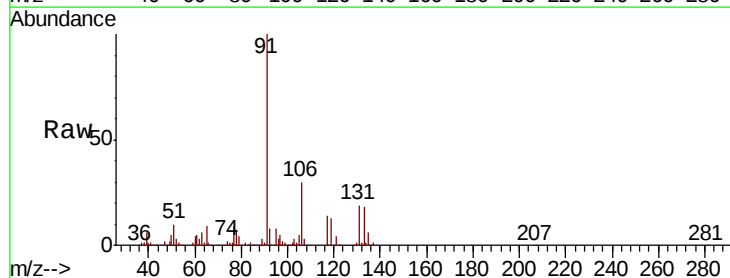
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 302004
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.573 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion:131 Resp: 110655
Ion Ratio Lower Upper
131 100
133 96.0 48.9 146.8
119 65.9 33.9 101.7





#67

Ethyl Benzene

Concen: 51.028 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

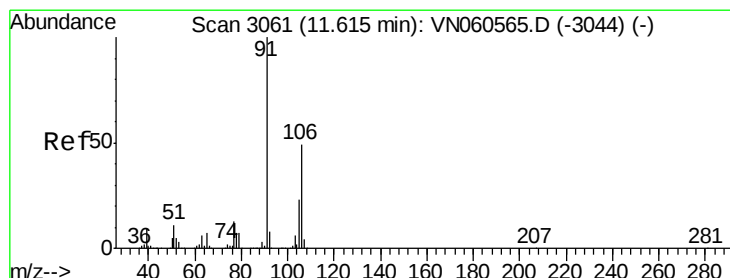
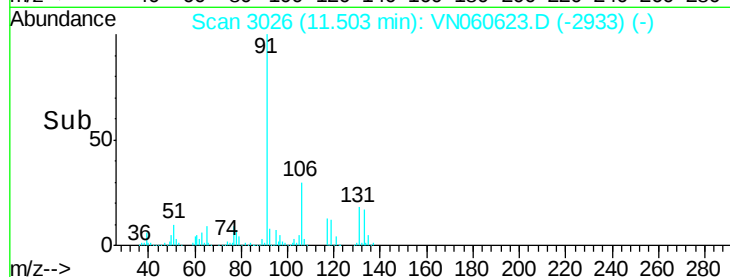
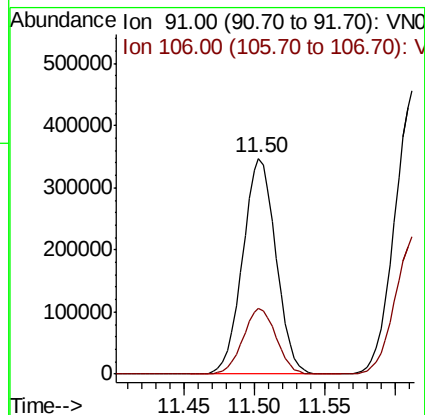
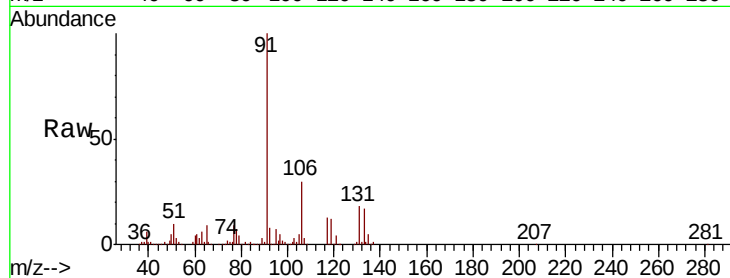
VSTDCCC050

Tot Ion: 91 Resp: 573462

Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2



#68

m/p-Xylenes

Concen: 102.040 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060623.D

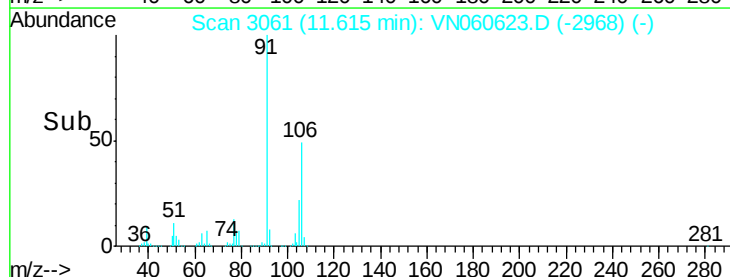
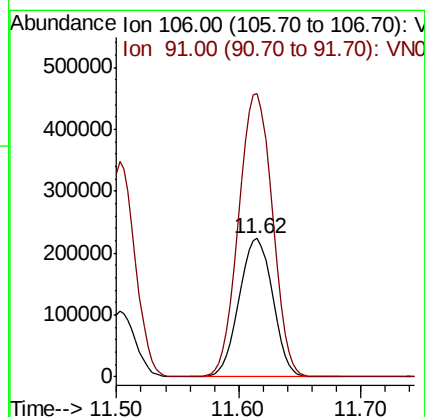
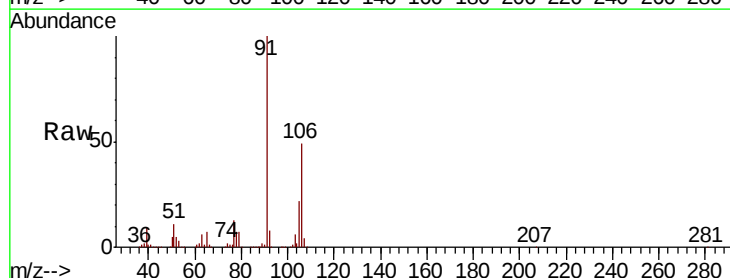
Acq: 19 Mar 2020 9:23

Tgt Ion: 106 Resp: 426135

Ion Ratio Lower Upper

106 100

91 206.3 165.0 247.4

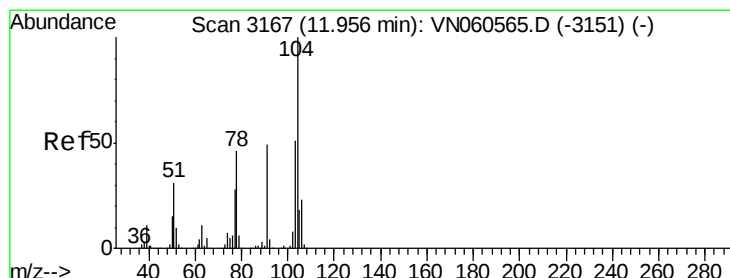
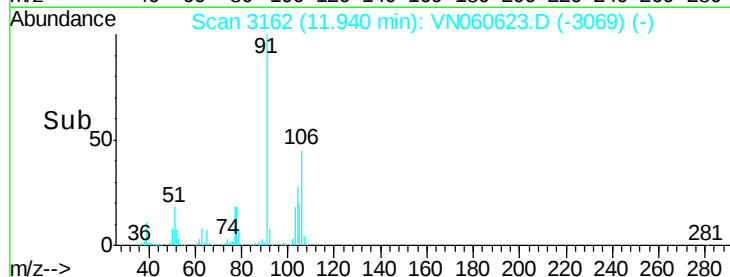
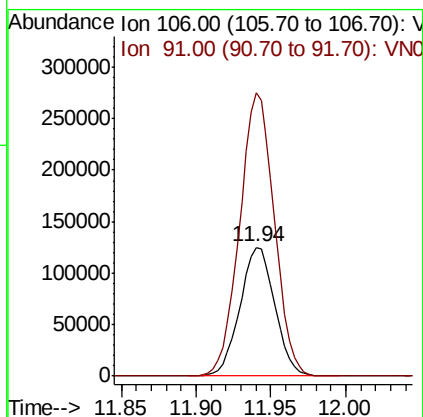
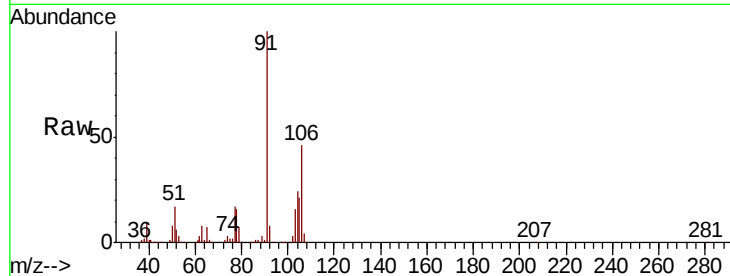




#69
o-Xylene
Concen: 50.878 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

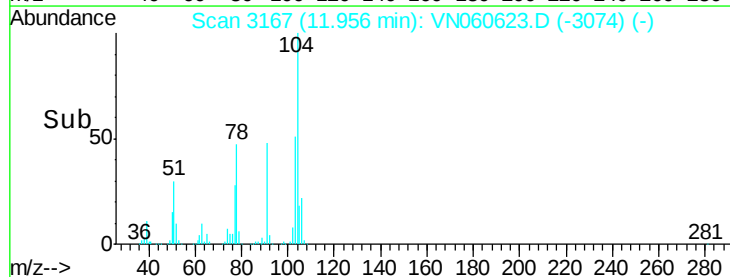
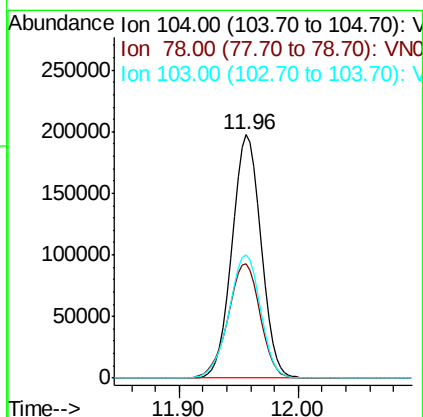
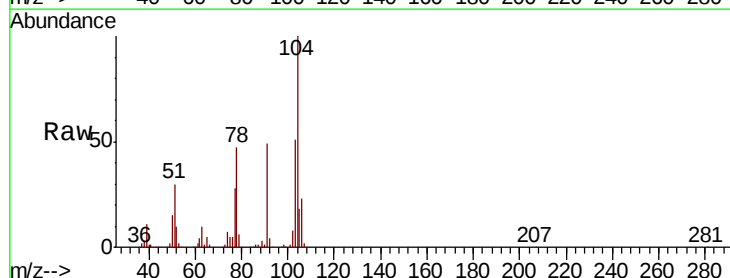
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

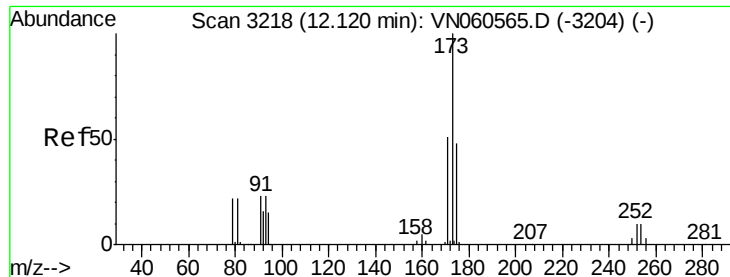
Tot Ion:106 Resp: 202832
Ion Ratio Lower Upper
106 100
91 218.3 109.5 328.4



#70
Styrene
Concen: 51.340 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion:104 Resp: 334740
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 55.2 44.0 66.0





#71

Bromoform

Concen: 46.844 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

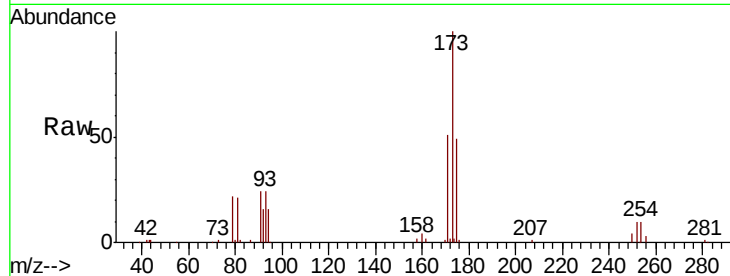
Tot Ion:173 Resp: 84987

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.4

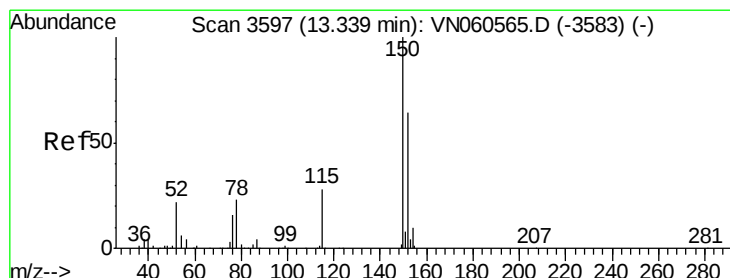
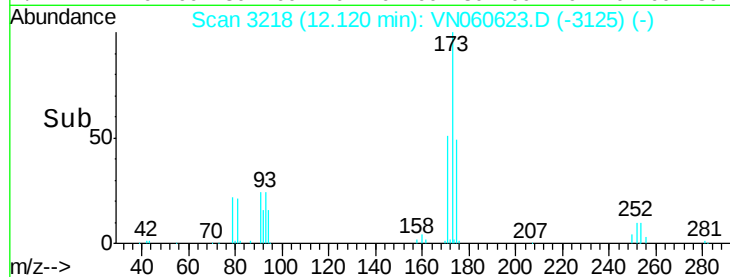
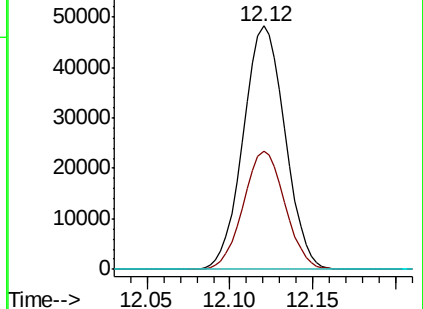
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

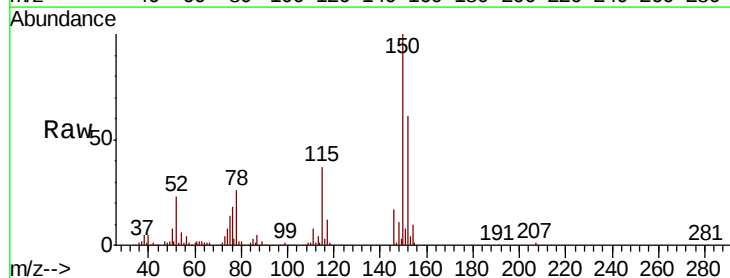
Tgt Ion:152 Resp: 139557

Ion Ratio Lower Upper

152 100

115 60.8 30.2 90.6

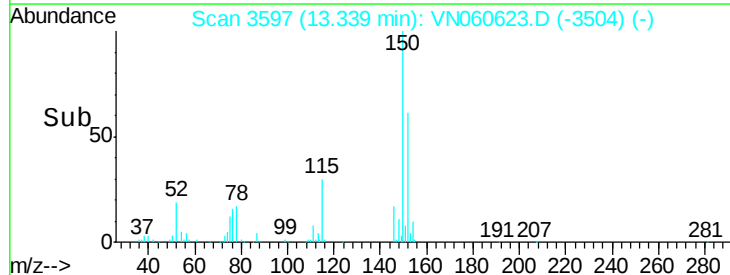
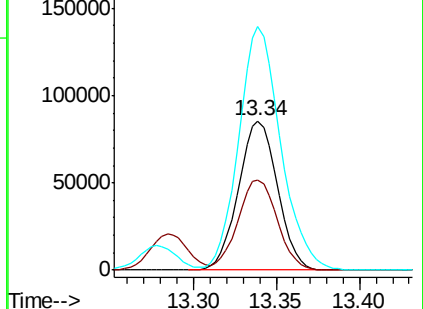
150 175.5 0.0 350.2

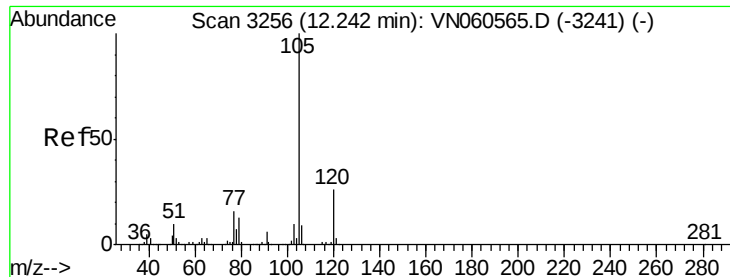


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.685 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

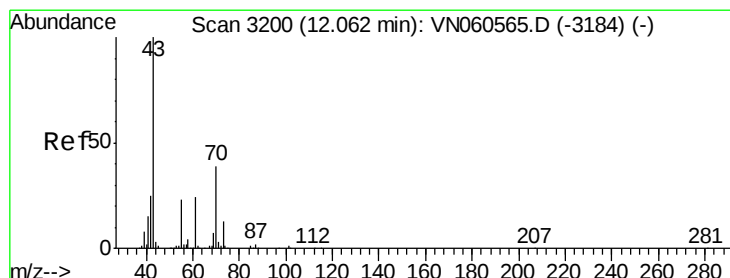
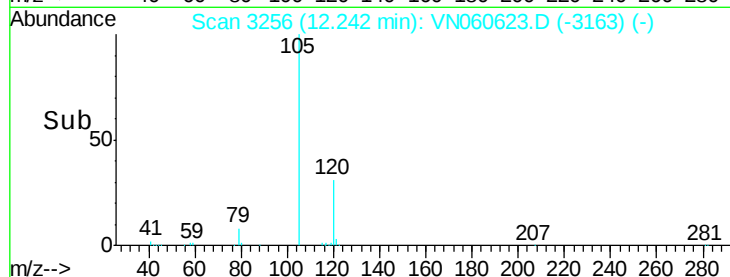
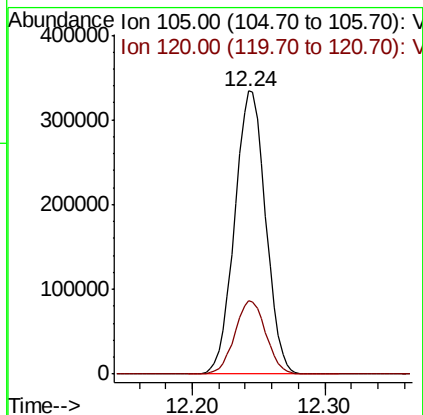
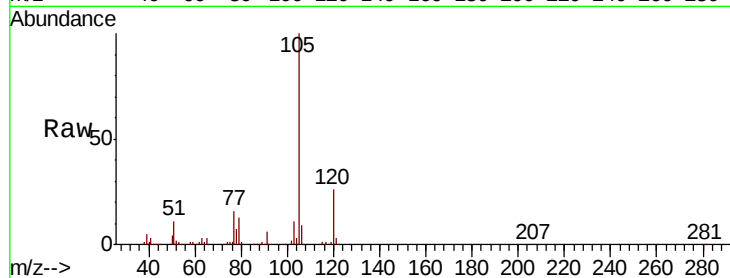
VSTDCCC050

Tot Ion:105 Resp: 541307

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 51.578 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion: 43 Resp: 249616

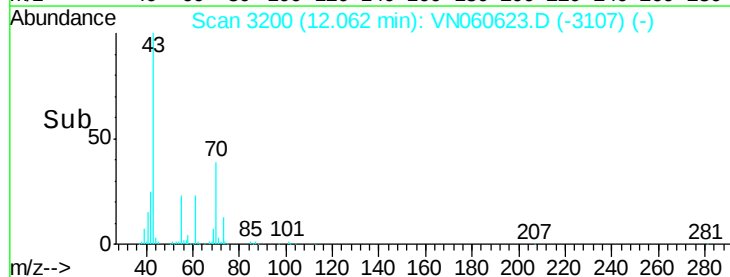
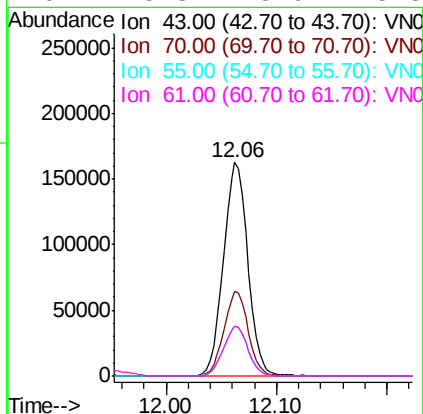
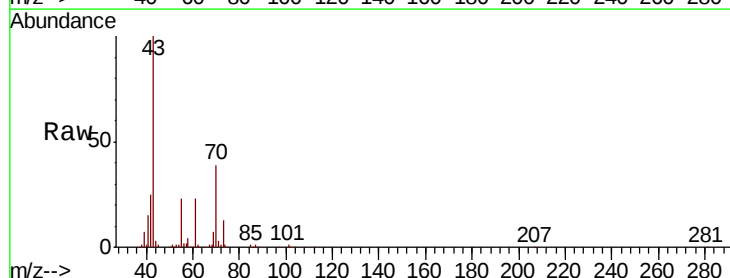
Ion Ratio Lower Upper

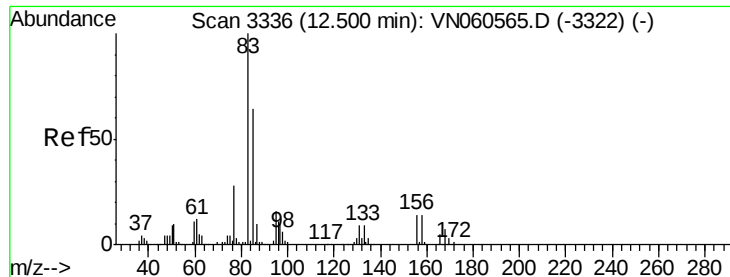
43 100

70 39.3 31.1 46.7

55 23.6 18.6 27.8

61 23.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.029 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

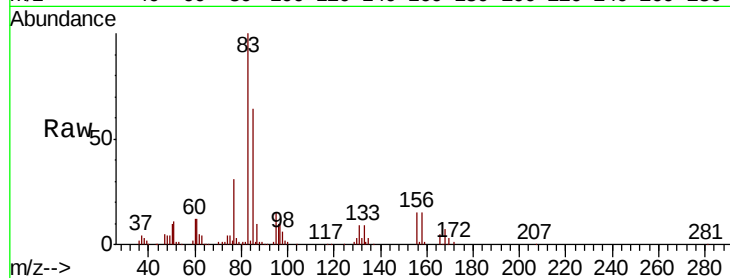
Tot Ion: 83 Resp: 158452

Ion Ratio Lower Upper

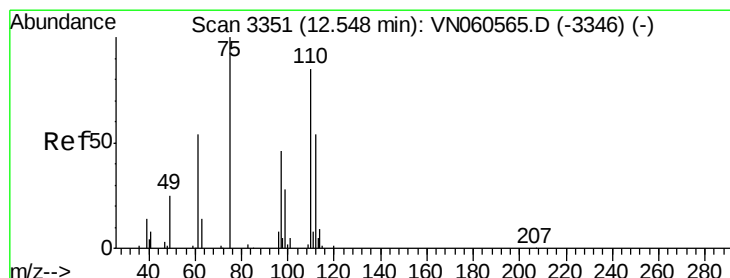
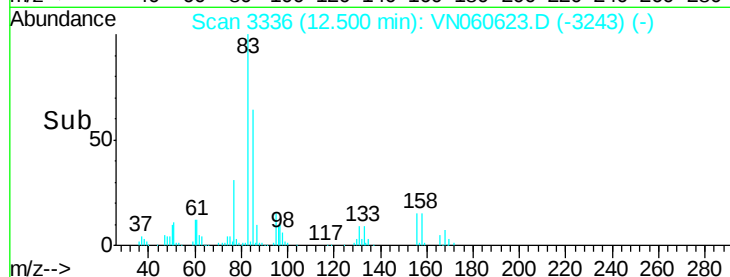
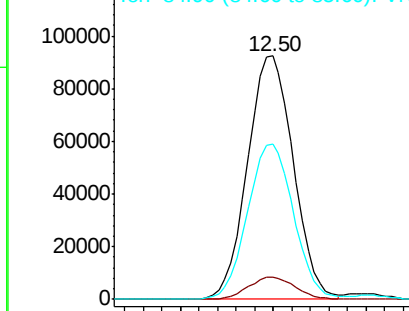
83 100

131 9.4 4.9 14.7

85 64.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 73.326 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060623.D

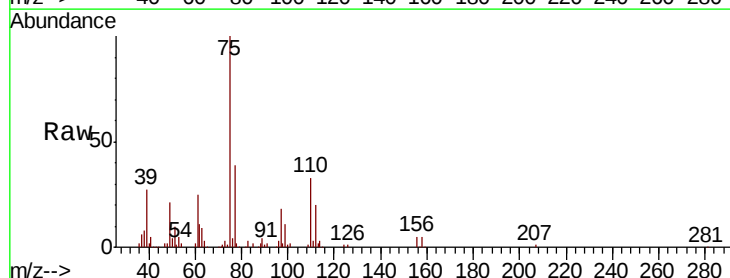
Acq: 19 Mar 2020 9:23

Tgt Ion: 75 Resp: 220811

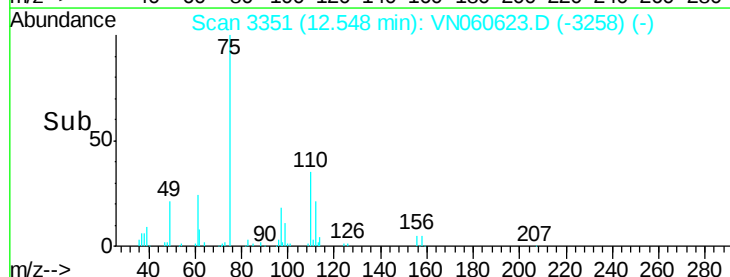
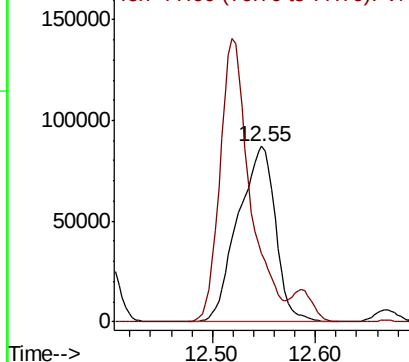
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.102 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

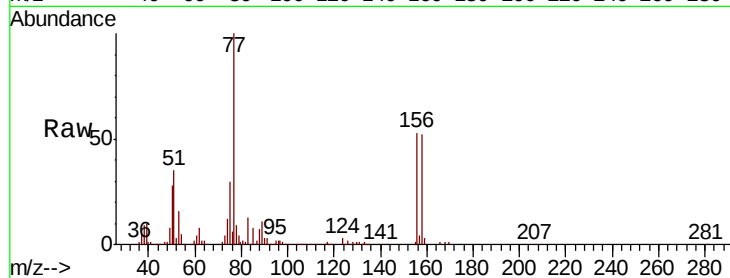
Tot Ion:156 Resp: 126440

Ion Ratio Lower Upper

156 100

77 225.6 112.3 337.0

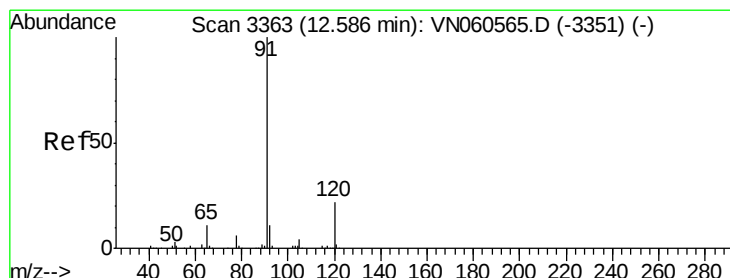
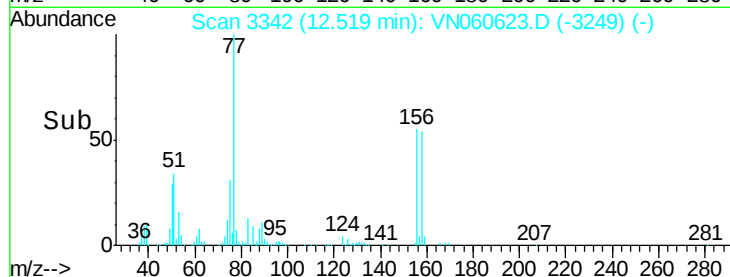
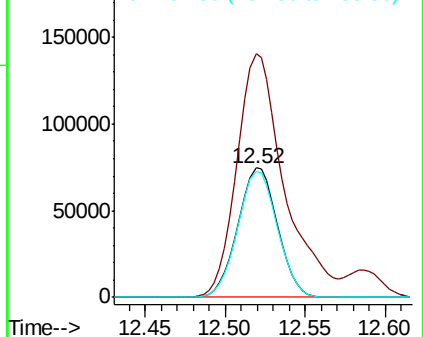
158 97.4 48.6 145.8



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: 51.792 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060623.D

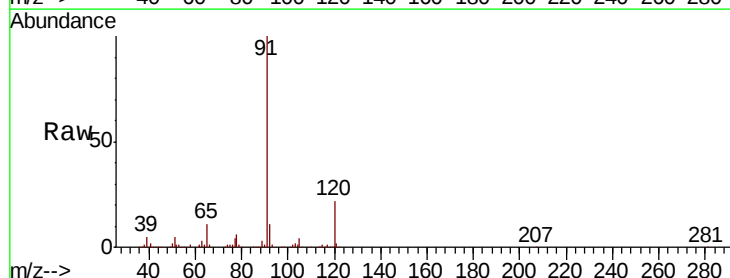
Acq: 19 Mar 2020 9:23

Tgt Ion: 91 Resp: 640839

Ion Ratio Lower Upper

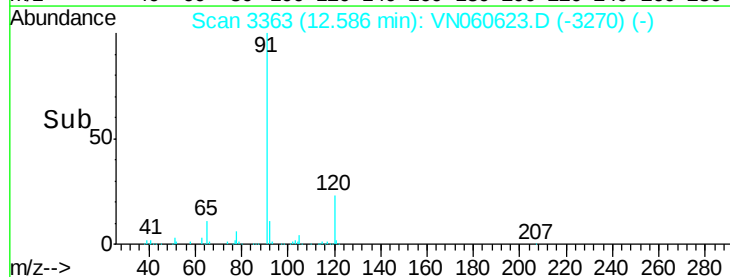
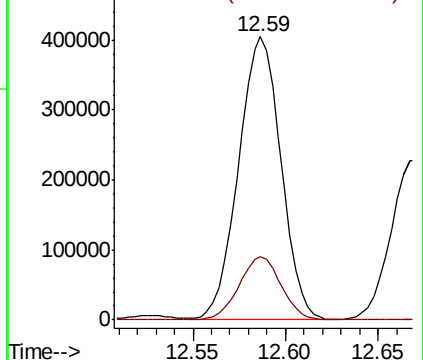
91 100

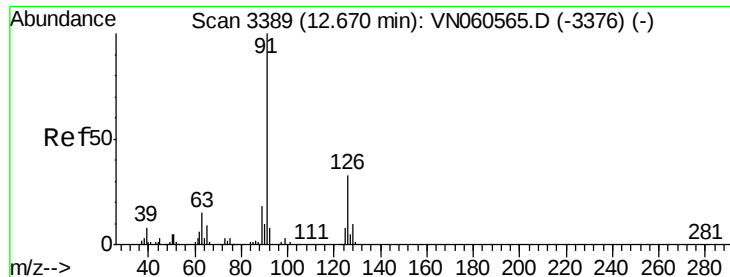
120 22.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.484 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

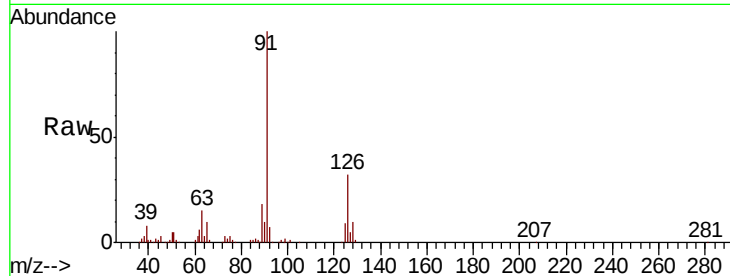
VSTDCCC050

Tot Ion: 91 Resp: 373232

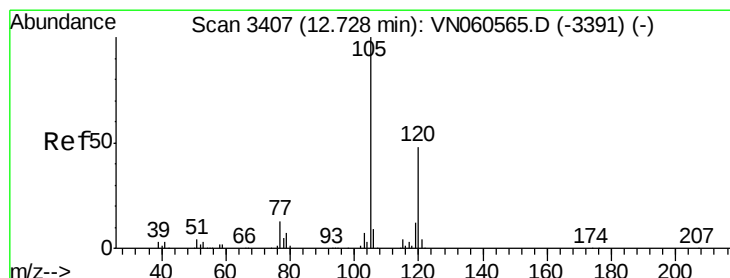
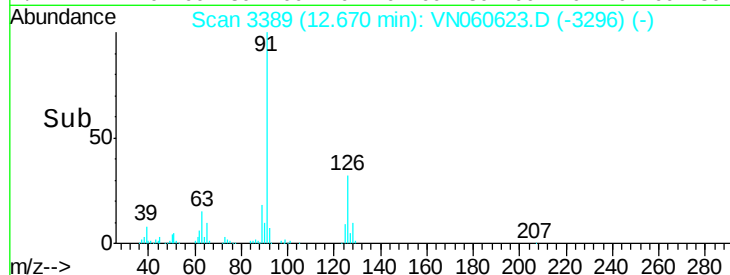
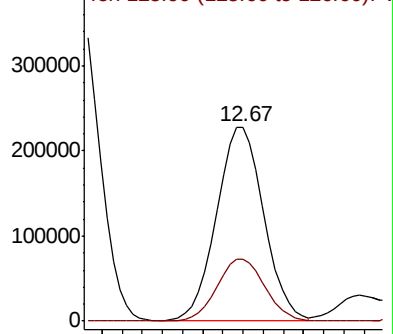
Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060623.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.274 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060623.D

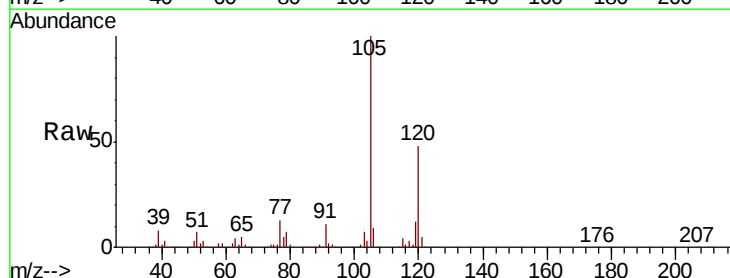
Acq: 19 Mar 2020 9:23

Tgt Ion: 105 Resp: 455711

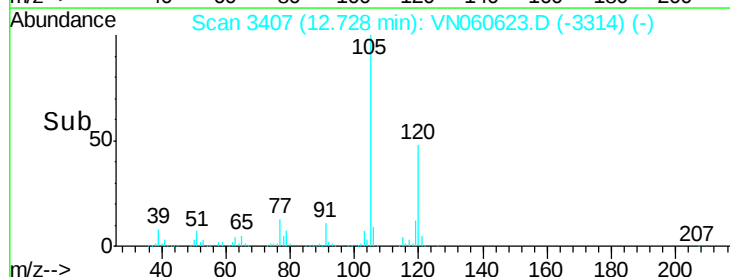
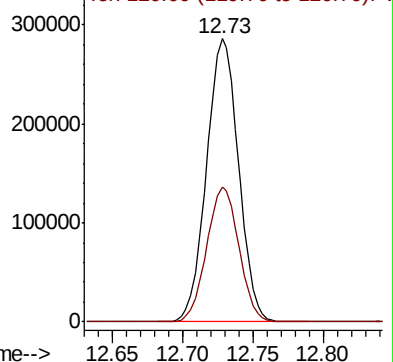
Ion Ratio Lower Upper

105 100

120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060623.D (-3391) (-)

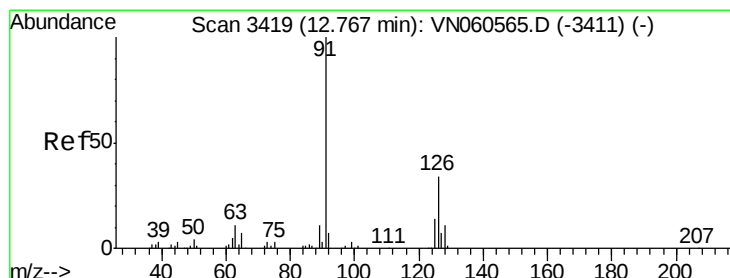
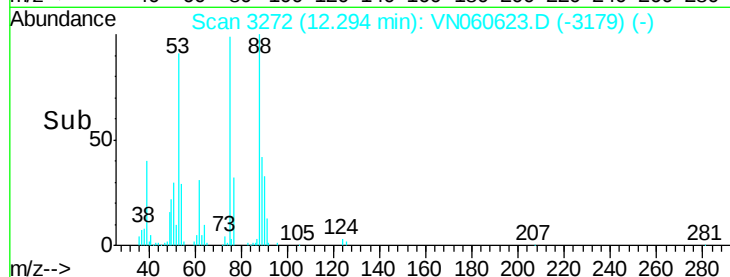
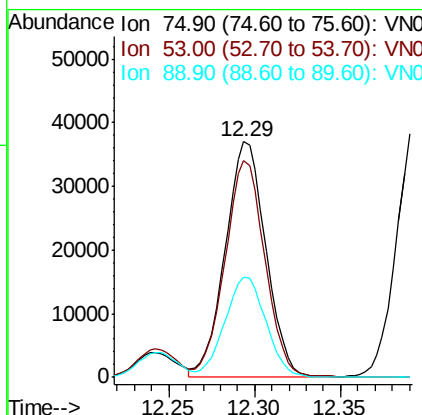
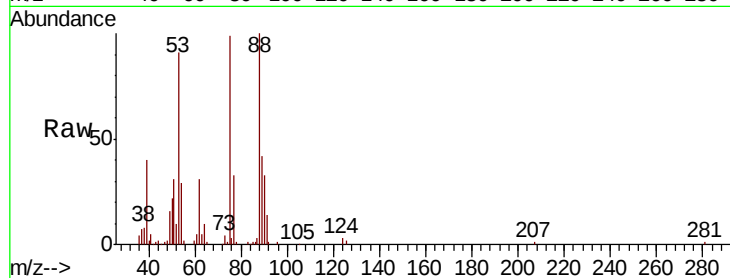




#81
trans-1,4-Dichloro-2-butene
Concen: 52.197 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

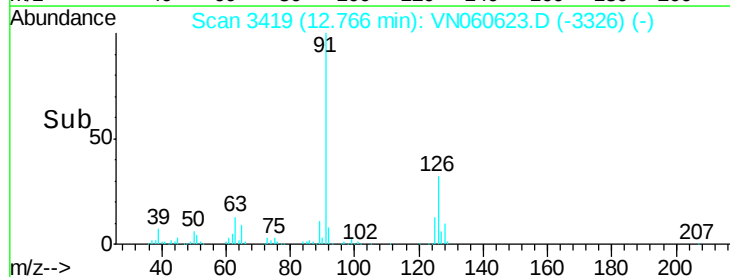
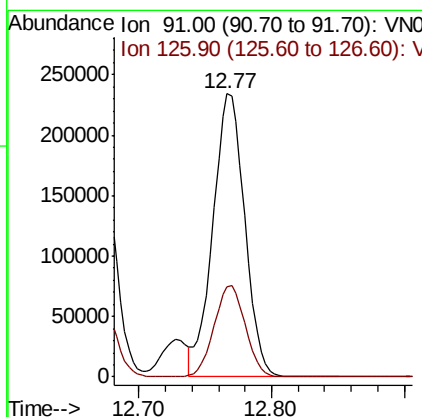
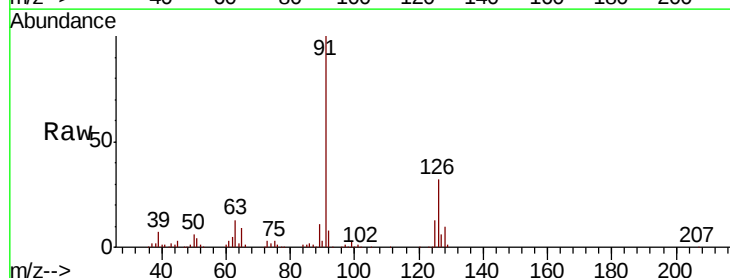
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

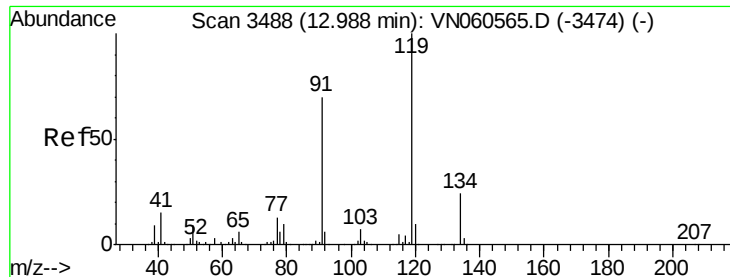
Tot Ion: 75 Resp: 61201
Ion Ratio Lower Upper
75 100
53 90.8 73.0 109.4
89 43.1 34.8 52.2



#82
4-Chlorotoluene
Concen: 51.922 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 91 Resp: 390961
Ion Ratio Lower Upper
91 100
126 31.7 16.2 48.5





#83

tert-Butylbenzene

Concen: 50.745 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

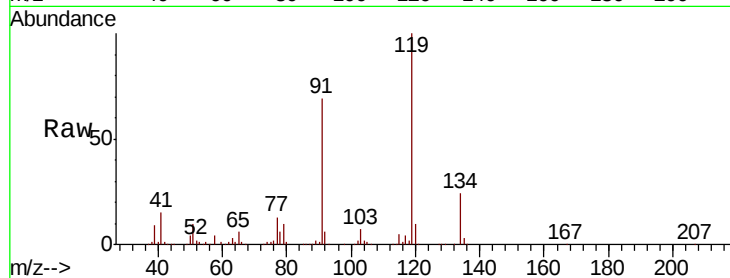
Tot Ion:119 Resp: 373879

Ion Ratio Lower Upper

119 100

91 68.0 34.0 101.8

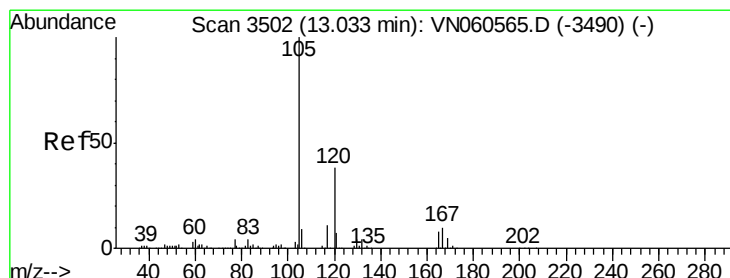
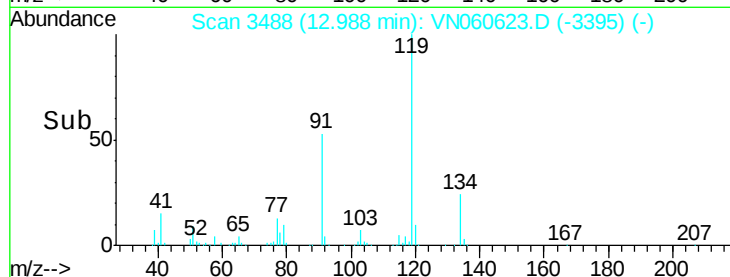
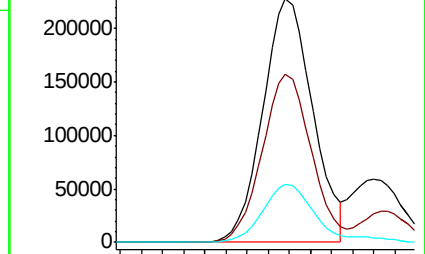
134 25.3 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.151 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060623.D

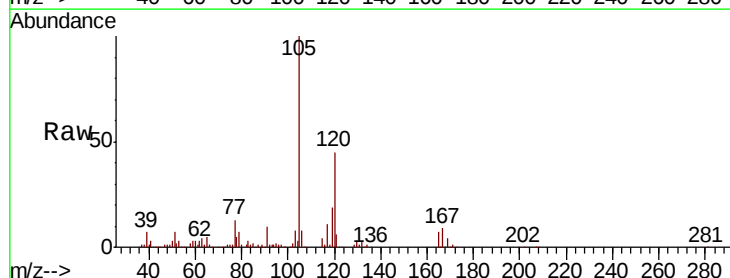
Acq: 19 Mar 2020 9:23

Tgt Ion:105 Resp: 458555

Ion Ratio Lower Upper

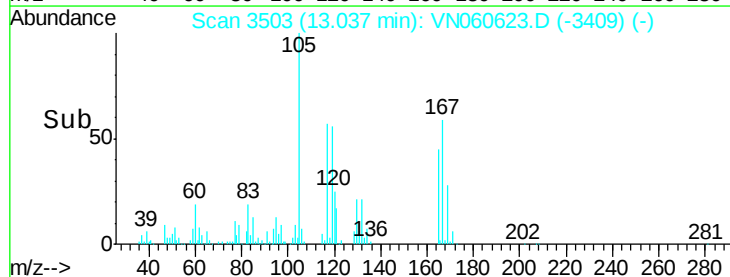
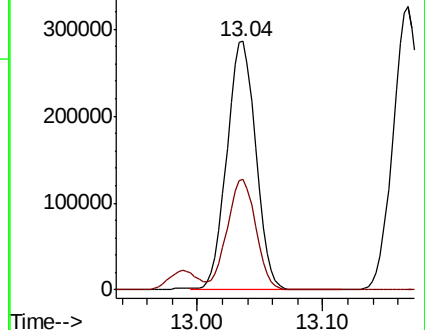
105 100

120 44.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.617 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

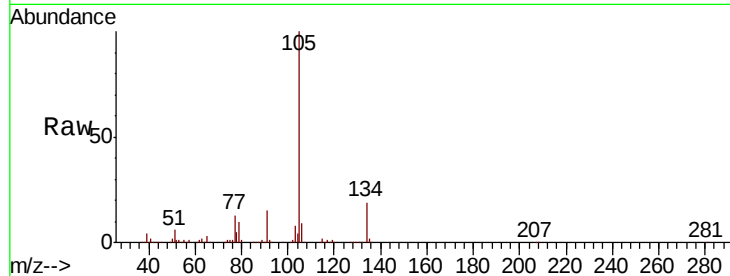
VSTDCCC050

Tot Ion:105 Resp: 511393

Ion Ratio Lower Upper

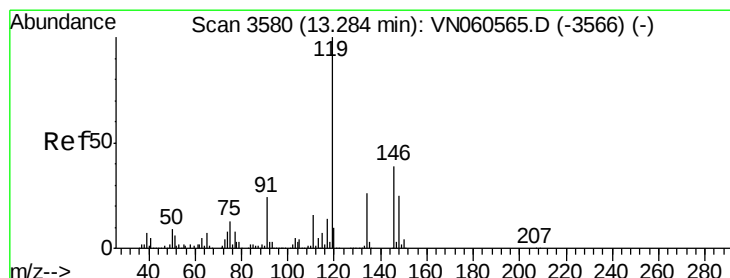
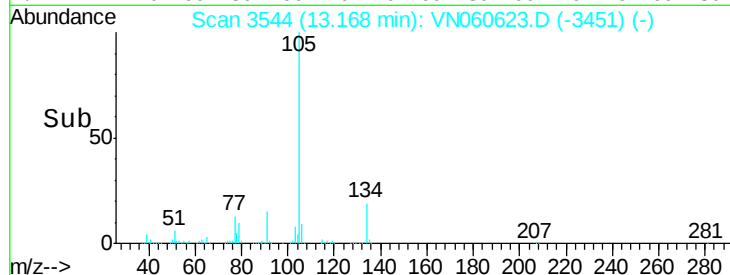
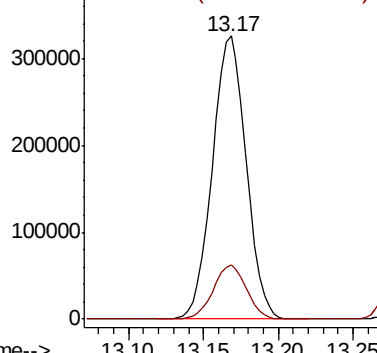
105 100

134 19.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.396 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

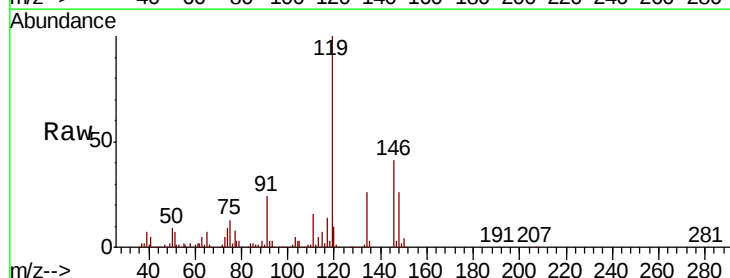
Tgt Ion:119 Resp: 457887

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

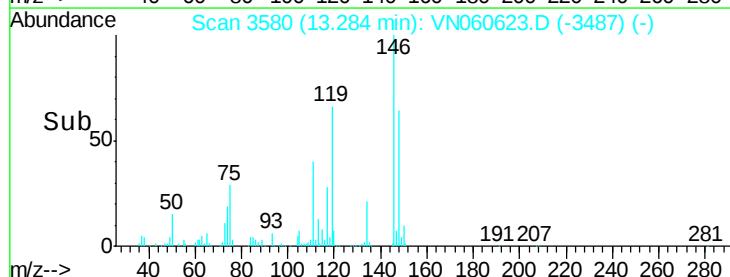
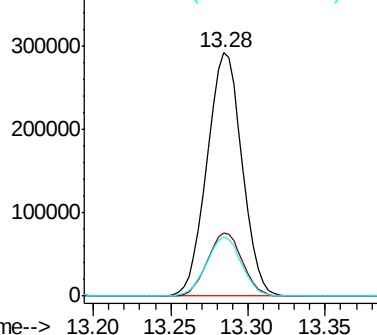
91 24.2 12.0 36.0



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: 50.904 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

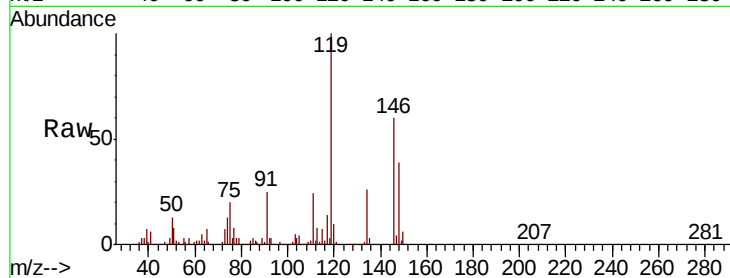
Tot Ion:146 Resp: 226574

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.8

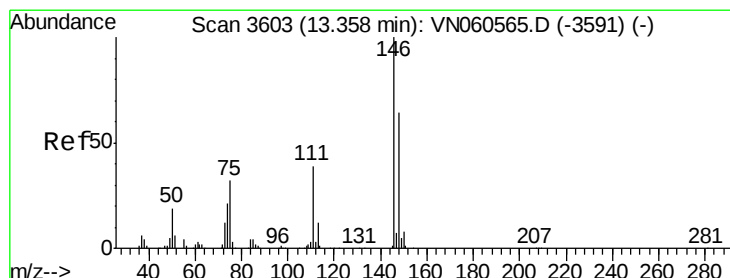
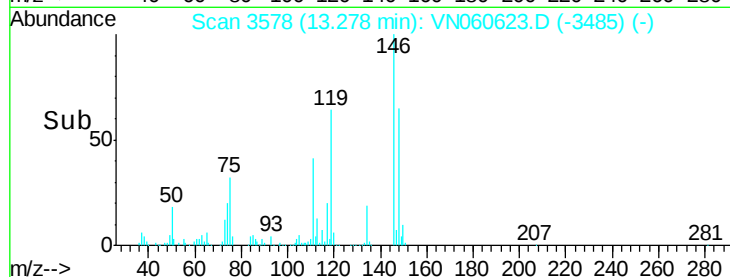
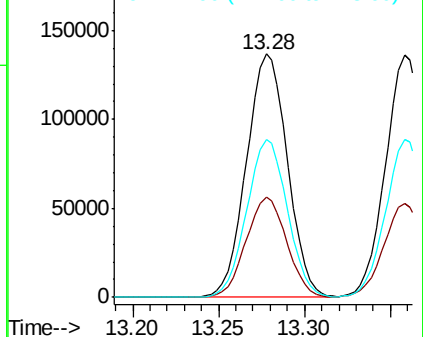
148 64.3 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.196 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

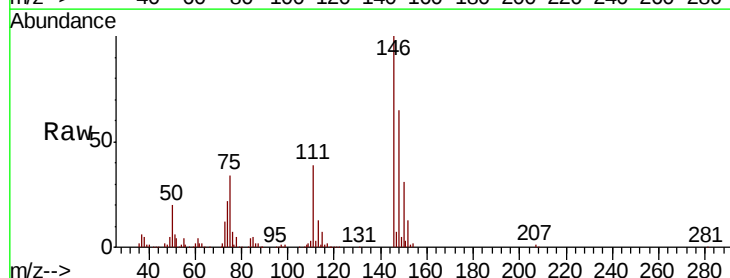
Tgt Ion:146 Resp: 224471

Ion Ratio Lower Upper

146 100

111 39.8 19.6 58.7

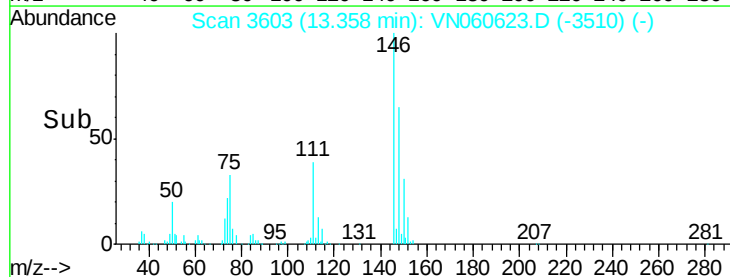
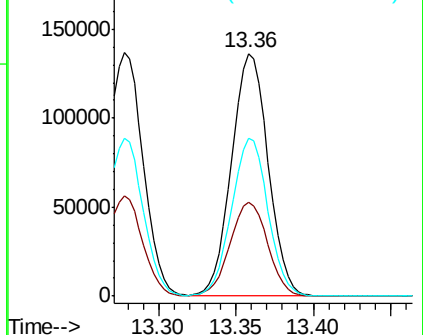
148 64.6 32.1 96.3

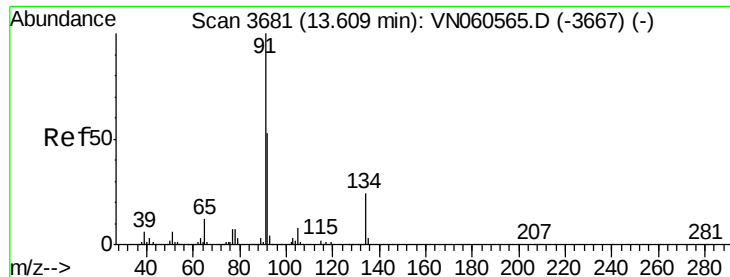


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.025 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

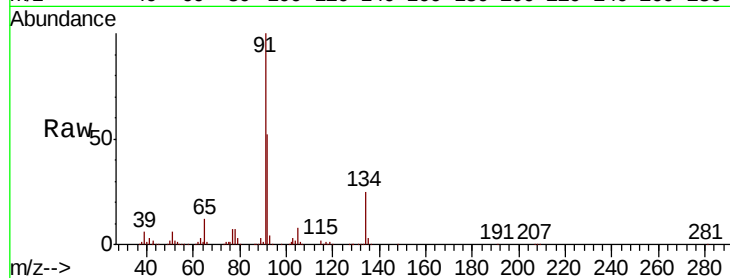
Tot Ion: 91 Resp: 418468

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.5

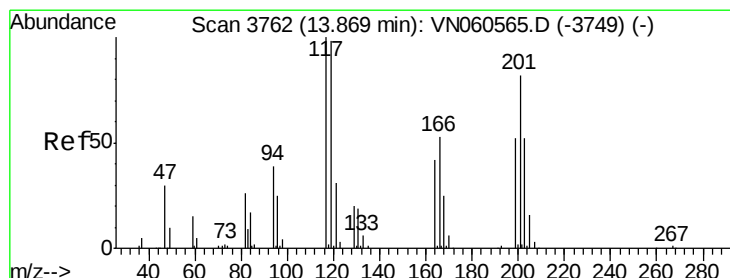
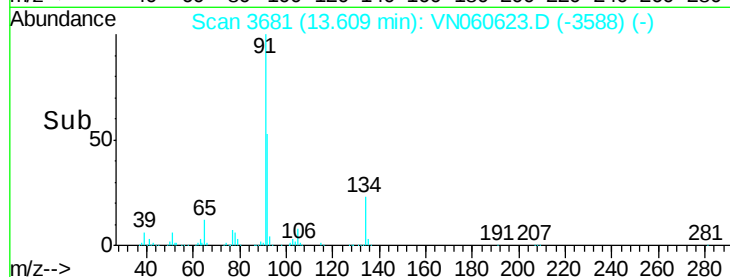
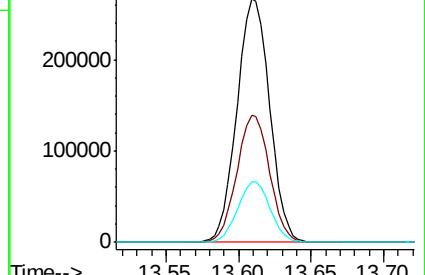
134 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN060623.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN060623.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN060623.D (-3669) (-)



#90

Hexachloroethane

Concen: 51.271 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060623.D

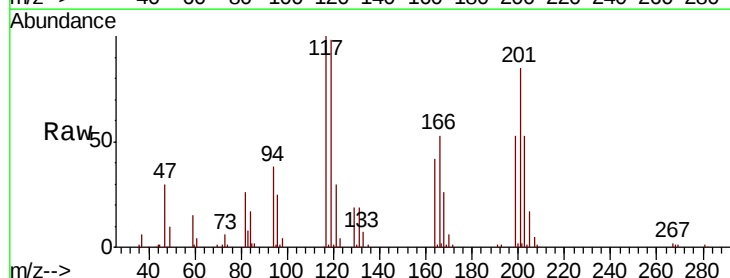
Acq: 19 Mar 2020 9:23

Tgt Ion: 117 Resp: 66396

Ion Ratio Lower Upper

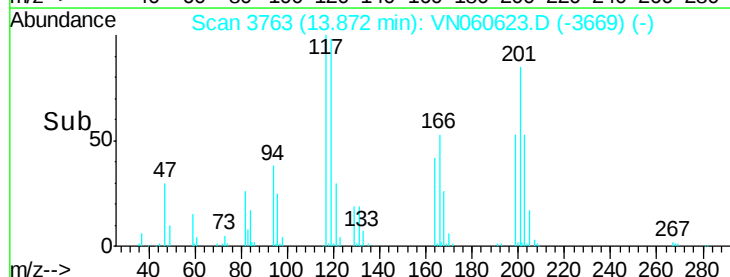
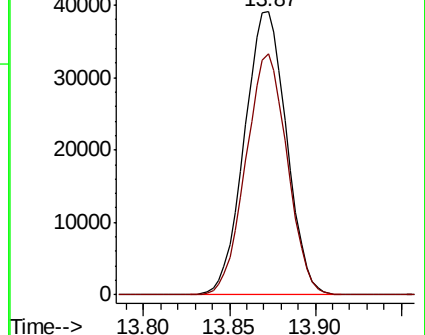
117 100

201 83.6 40.8 122.5



Abundance Ion 116.80 (116.50 to 117.50): VN060623.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN060623.D (-3669) (-)

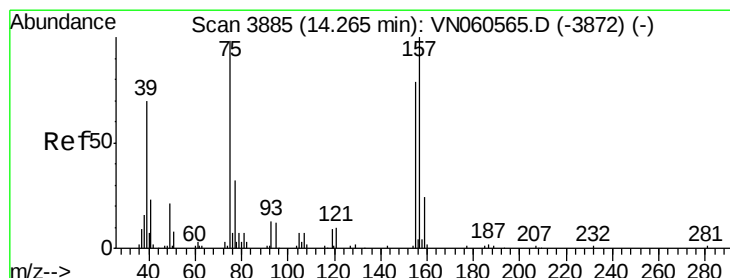
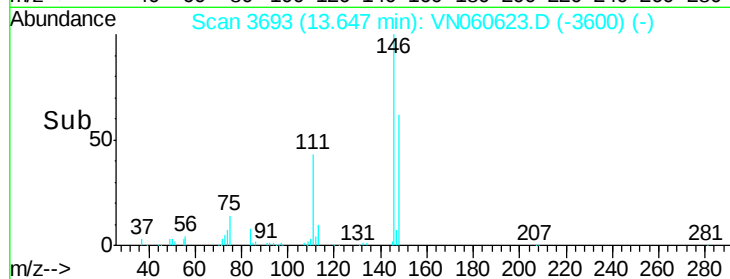
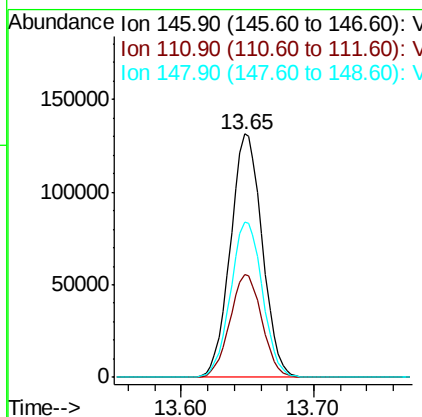
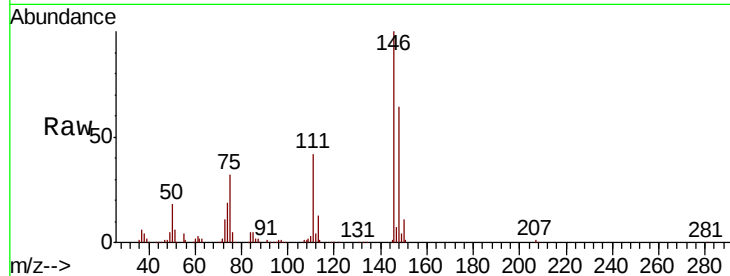




#91
 1,2-Dichlorobenzene
 Concen: 51.412 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

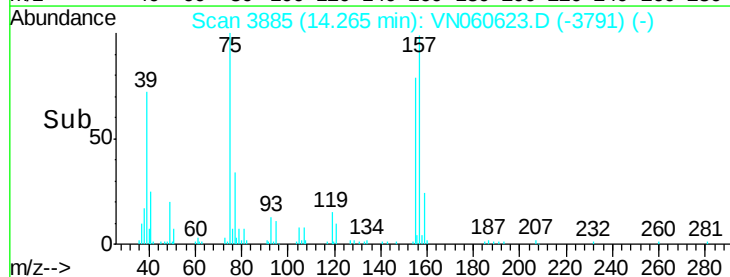
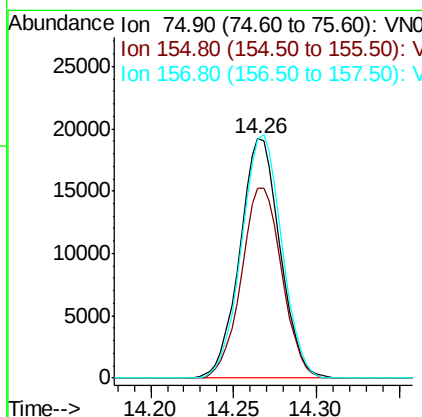
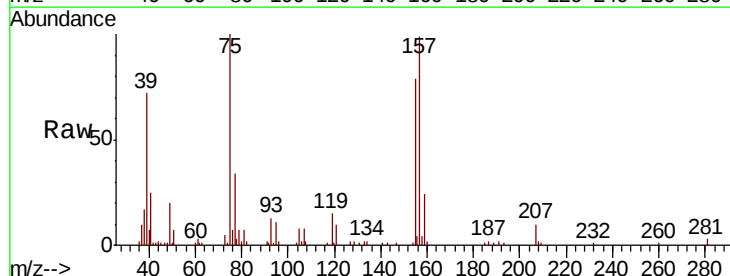
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	64.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.770 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	40.7	122.1
157	101.4	51.5	154.7





#93

1,2,4-Trichlorobenzene

Concen: 50.349 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

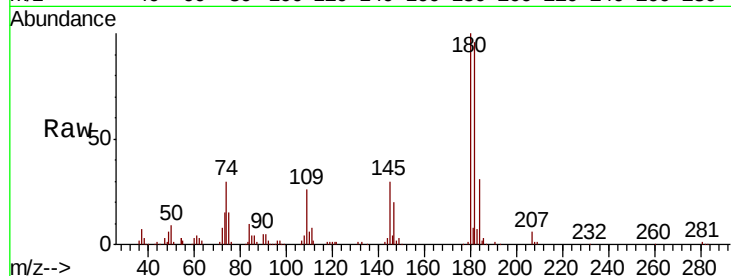
Tot Ion:180 Resp: 131593

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.8

145 30.4 15.4 46.2



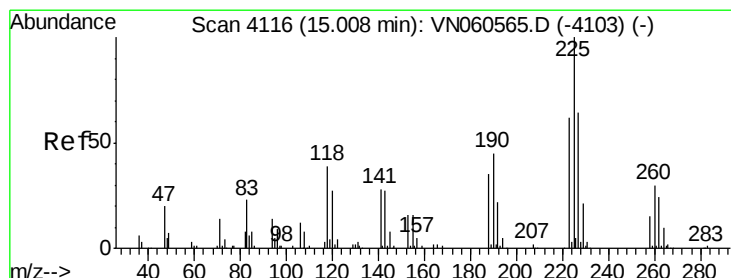
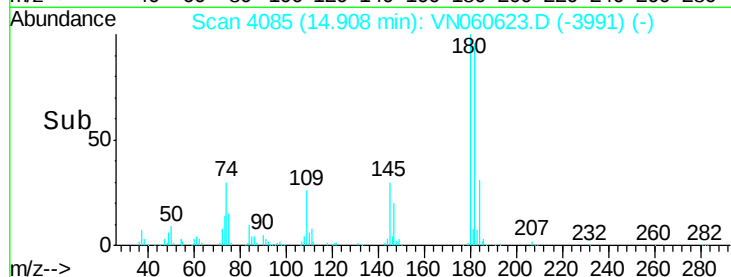
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

Time-->



#94

Hexachlorobutadiene

Concen: 51.920 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

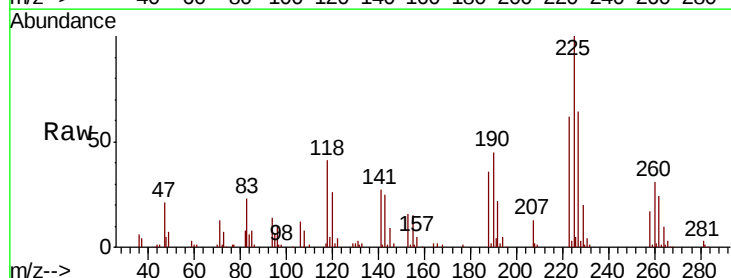
Tgt Ion:225 Resp: 66523

Ion Ratio Lower Upper

225 100

223 63.3 31.6 95.0

227 64.1 32.3 96.8



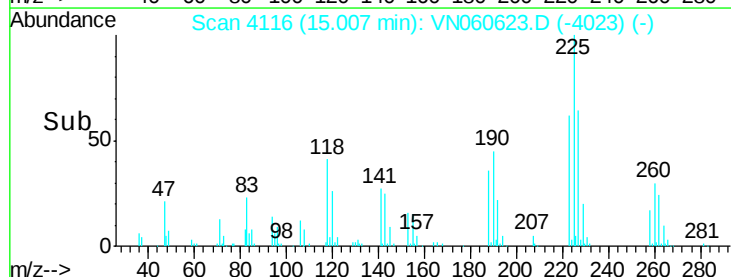
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.01

Time-->

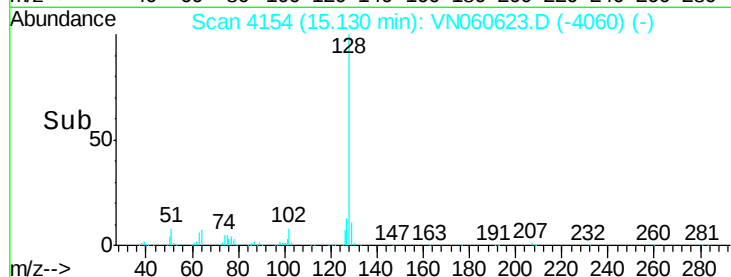
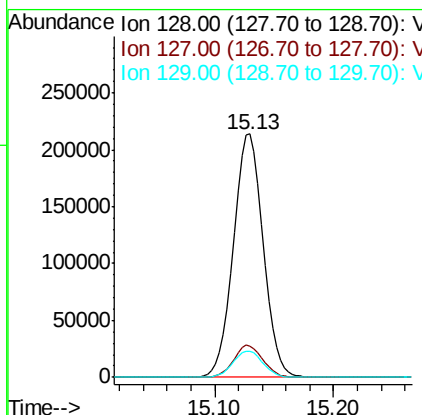
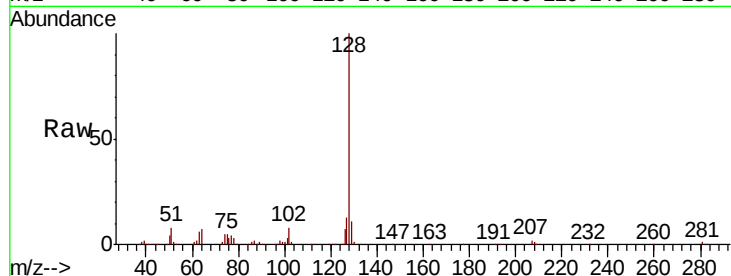




#95
Naphthalene
Concen: 47.116 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 370384
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 47.412 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion:180 Resp: 122054
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.6
145 32.4 16.3 48.8

