

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060802.D
 Acq On : 31 Mar 2020 21:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 01 08:49:35 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	189286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	318697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143384	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	129733	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.56	113	97254	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.08	98	390353	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	145957	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	85559	46.715	ug/l	97
3) Chloromethane	2.04	50	152835	44.680	ug/l	100
4) Vinyl Chloride	2.17	62	120297	44.963	ug/l	100
5) Bromomethane	2.54	94	56769	49.152	ug/l	98
6) Chloroethane	2.68	64	75836	49.205	ug/l	100
7) Trichlorofluoromethane	3.00	101	160493	48.696	ug/l	98
8) Diethyl Ether	3.38	74	67136	50.707	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95317	49.911	ug/l	100
10) Methyl Iodide	3.93	142	77087	45.363	ug/l	99
11) Tert butyl alcohol	4.72	59	101316	265.120	ug/l	99
12) 1,1-Dichloroethene	3.72	96	97869	47.756	ug/l	98
13) Acrolein	3.57	56	113460	267.886	ug/l	99
14) Allyl chloride	4.29	41	175165	48.597	ug/l	99
15) Acrylonitrile	4.94	53	302295	269.005	ug/l	99
16) Acetone	3.78	43	242585	263.556	ug/l	100
17) Carbon Disulfide	4.03	76	279535	44.849	ug/l	100
18) Methyl Acetate	4.28	43	141680	54.686	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	352342	50.006	ug/l	98
20) Methylene Chloride	4.52	84	111864	49.405	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	104598	47.889	ug/l	97
22) Diisopropyl ether	5.91	45	399352	52.443	ug/l	97
23) Vinyl Acetate	5.86	43	1658588	266.945	ug/l	99
24) 1,1-Dichloroethane	5.82	63	212704	51.238	ug/l	99
25) 2-Butanone	6.80	43	398123	267.302	ug/l	98
26) 2,2-Dichloropropane	6.79	77	154454	47.288	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	123710	49.841	ug/l	100
28) Bromochloromethane	7.17	49	103147	51.933	ug/l	98
29) Tetrahydrofuran	7.17	42	272564	258.644	ug/l	99
30) Chloroform	7.35	83	200480	50.376	ug/l	99
31) Cyclohexane	7.63	56	192868	46.084	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	170350	49.653	ug/l	98
36) 1,1-Dichloropropene	7.77	75	151820	49.197	ug/l	100
37) Ethyl Acetate	6.89	43	169680	50.887	ug/l	99
38) Carbon Tetrachloride	7.75	117	138553	50.095	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060802.D
 Acq On : 31 Mar 2020 21:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 01 08:49:35 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	180421	49.197	ug/l	97
40) Benzene	8.02	78	464434	49.854	ug/l	100
41) Methacrylonitrile	7.15	41	80983m	56.908	ug/l	
42) 1,2-Dichloroethane	8.10	62	161272	50.656	ug/l	99
43) Isopropyl Acetate	8.14	43	287444	52.270	ug/l	99
44) Trichloroethene	8.82	130	115457	49.164	ug/l	98
45) 1,2-Dichloropropane	9.10	63	127318	51.794	ug/l	98
46) Dibromomethane	9.19	93	76514	51.487	ug/l	100
47) Bromodichloromethane	9.38	83	158515	51.331	ug/l	100
48) Methyl methacrylate	9.18	41	128614	52.530	ug/l	99
49) 1,4-Dioxane	9.18	88	33941	1166.279	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	846771	270.597	ug/l	99
52) Toluene	10.14	92	279349	49.652	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	182718	51.510	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	195937	50.350	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	111448	51.490	ug/l	99
56) Ethyl methacrylate	10.42	69	180404	53.455	ug/l	99
57) 1,3-Dichloropropane	10.70	76	193932	51.633	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	418977	249.785	ug/l	99
59) 2-Hexanone	10.74	43	610463	270.814	ug/l	100
60) Dibromochloromethane	10.89	129	116721	52.206	ug/l	98
61) 1,2-Dibromoethane	10.99	107	113419	52.112	ug/l	99
64) Tetrachloroethene	10.62	164	105737	45.814	ug/l	99
65) Chlorobenzene	11.43	112	287876	49.513	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106231	50.463	ug/l	98
67) Ethyl Benzene	11.50	91	542445	50.169	ug/l	99
68) m/p-Xylenes	11.62	106	399706	99.481	ug/l	100
69) o-Xylene	11.94	106	190183	49.584	ug/l	98
70) Styrene	11.96	104	318373	50.752	ug/l	99
71) Bromoform	12.12	173	85372	48.835	ug/l #	100
73) Isopropylbenzene	12.24	105	515632	47.919	ug/l	100
74) N-amyl acetate	12.06	43	247623	49.801	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164960	50.694	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	144947m	46.849	ug/l	
77) Bromobenzene	12.52	156	123807	47.749	ug/l	100
78) n-propylbenzene	12.59	91	614628	48.347	ug/l	99
79) 2-Chlorotoluene	12.67	91	356013	46.869	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	440254	48.212	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	58441	48.512	ug/l	100
82) 4-Chlorotoluene	12.77	91	374272	48.379	ug/l	99
83) tert-Butylbenzene	12.99	119	367988	48.613	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	440012	48.707	ug/l	100
85) sec-Butylbenzene	13.17	105	502507	49.366	ug/l	100
86) p-Isopropyltoluene	13.28	119	453258	49.518	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	223503	48.874	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	220355	47.960	ug/l	99
89) n-Butylbenzene	13.61	91	417103	50.472	ug/l	100
90) Hexachloroethane	13.87	117	70475	52.968	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	218130	49.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33179	48.673	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
Data File : VN060802.D
Acq On : 31 Mar 2020 21:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 01 08:49:35 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

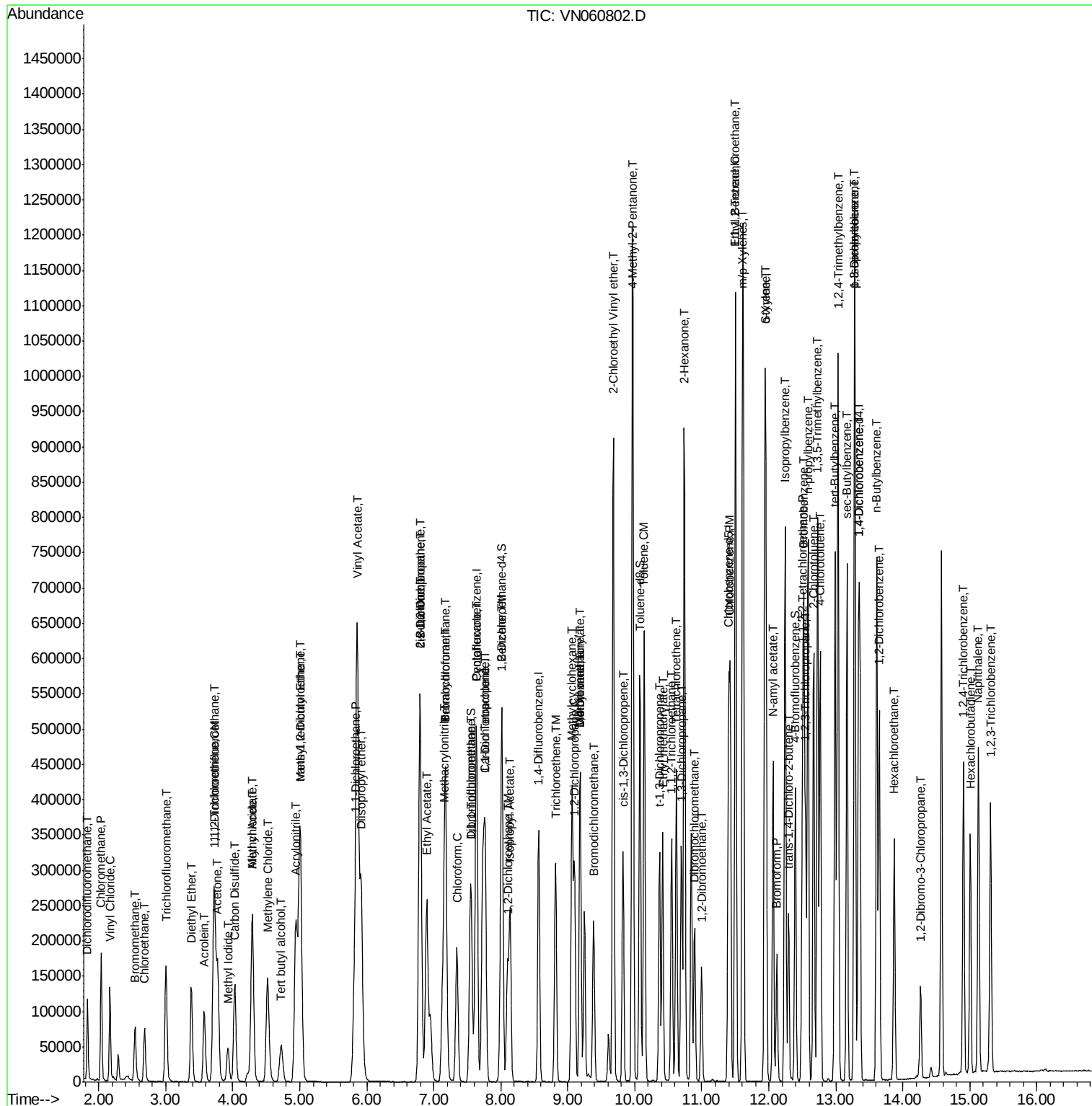
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	137357	51.152	ug/l	99
94) Hexachlorobutadiene	15.01	225	66702	50.671	ug/l	99
95) Naphthalene	15.13	128	398479	49.336	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130313	49.269	ug/l	99

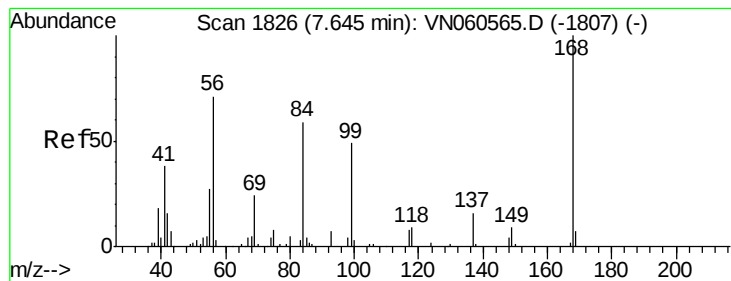
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033120\
Data File : VN060802.D
Acq On : 31 Mar 2020 21:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 01 08:49:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

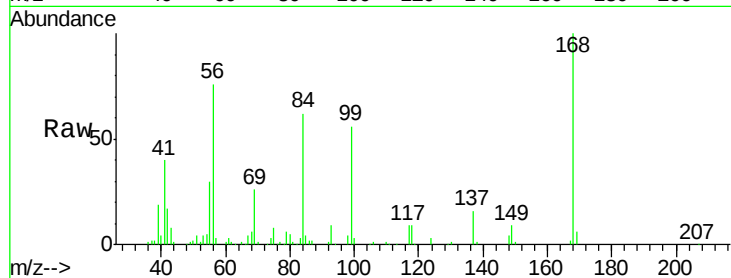
VSTDCCC050EC

Tot Ion:168 Resp: 189286

Ion Ratio Lower Upper

168 100

99 55.5 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

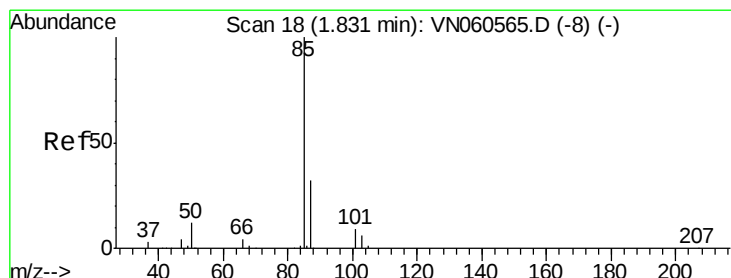
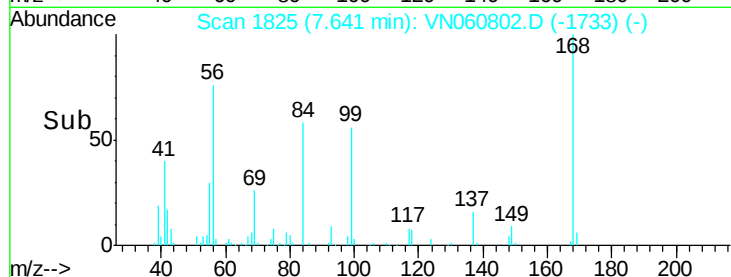
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.715 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060802.D

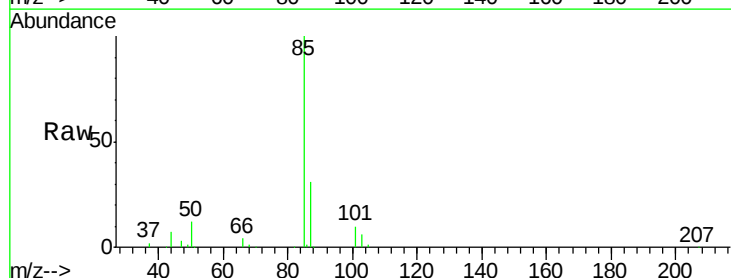
Acq: 31 Mar 2020 21:23

Tgt Ion: 85 Resp: 85559

Ion Ratio Lower Upper

85 100

87 30.9 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

60000

40000

20000

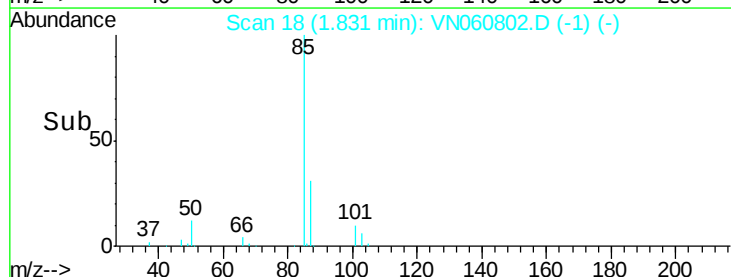
0

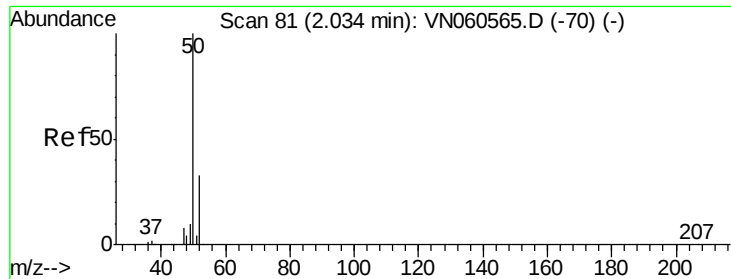
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 44.680 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

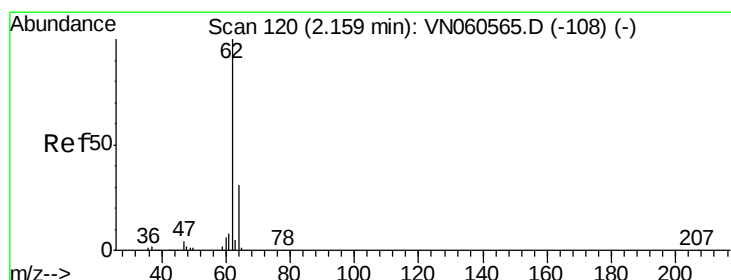
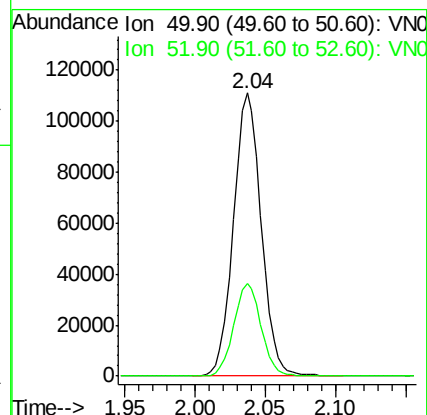
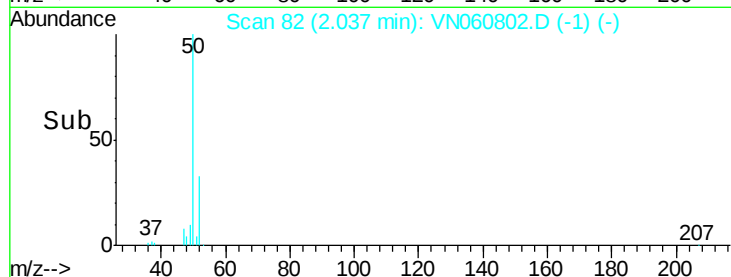
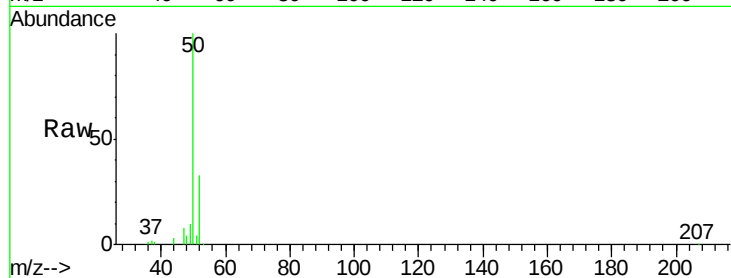
VSTDCCC050EC

Tot Ion: 50 Resp: 152835

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2



#4

Vinyl Chloride

Concen: 44.963 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060802.D

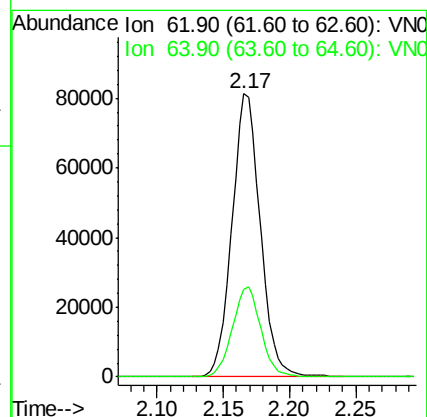
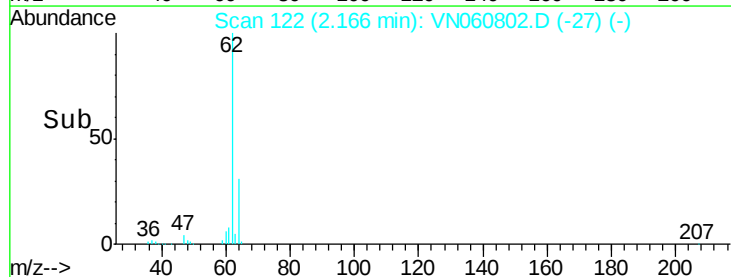
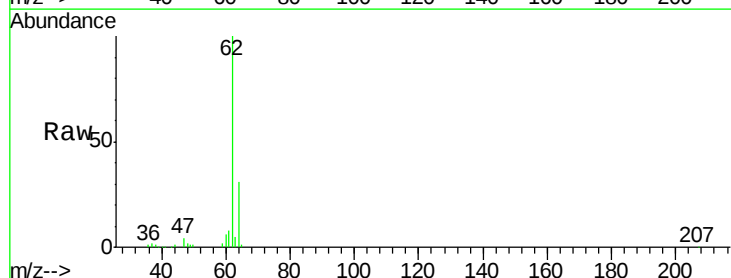
Acq: 31 Mar 2020 21:23

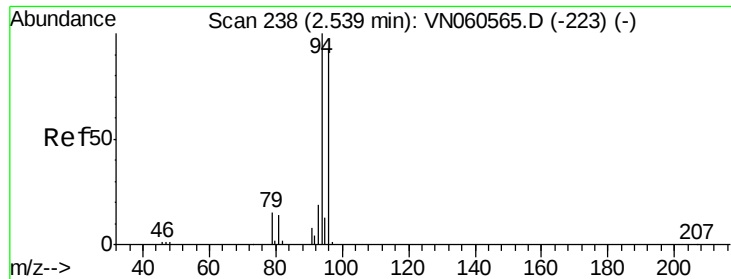
Tgt Ion: 62 Resp: 120297

Ion Ratio Lower Upper

62 100

64 31.1 24.7 37.1





#5

Bromomethane

Concen: 49.152 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

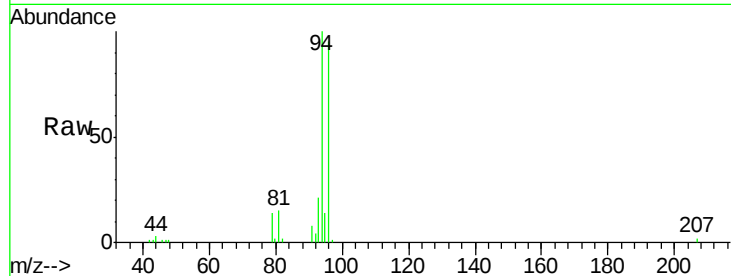
VSTDCCC050EC

Tot Ion: 94 Resp: 56769

Ion Ratio Lower Upper

94 100

96 95.4 74.6 112.0

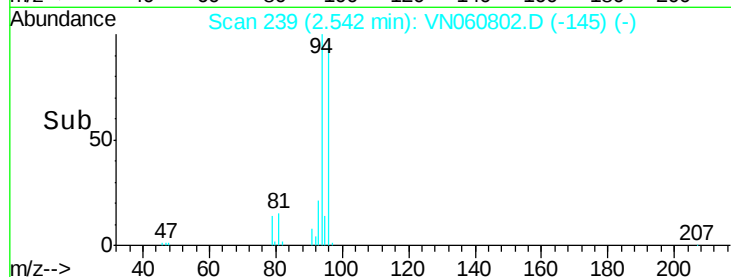


Abundance Ion 93.90 (93.60 to 94.60): VN060802.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060802.D (-145) (-)

2.54

Time-->



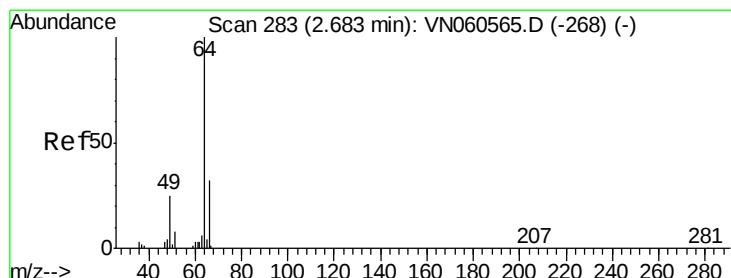
Abundance

Ion 93.90 (93.60 to 94.60): VN060802.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060802.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 49.205 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060802.D

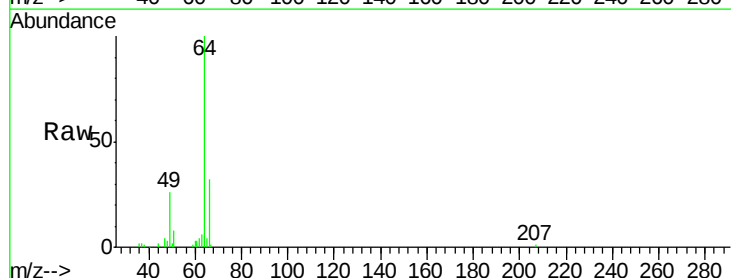
Acq: 31 Mar 2020 21:23

Tgt Ion: 64 Resp: 75836

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9

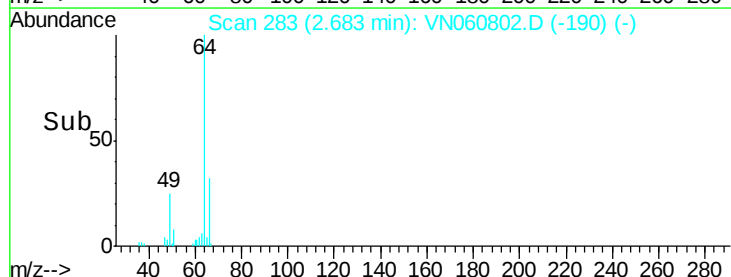


Abundance Ion 63.90 (63.60 to 64.60): VN060802.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060802.D (-190) (-)

2.68

Time-->



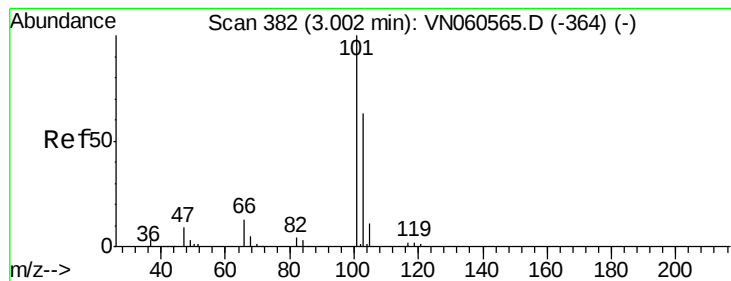
Abundance

Ion 63.90 (63.60 to 64.60): VN060802.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060802.D (-190) (-)

2.68

Time-->

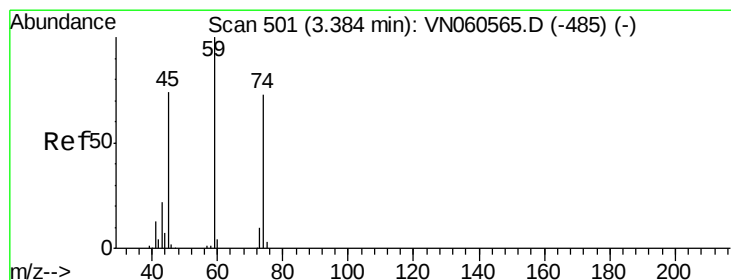
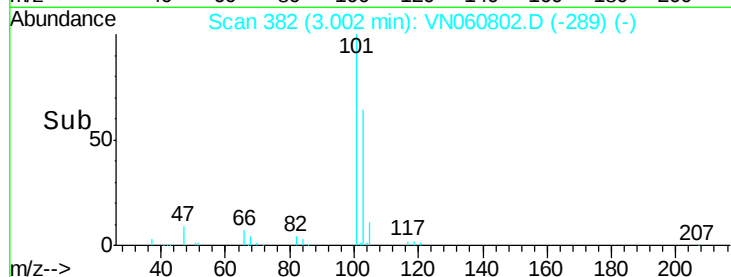
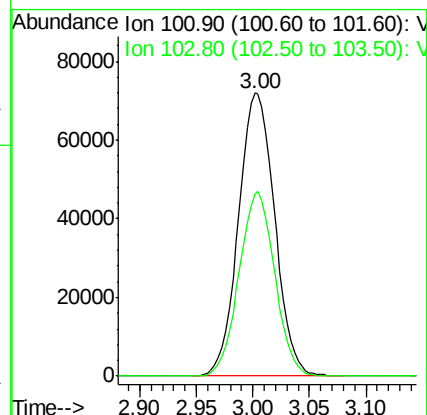
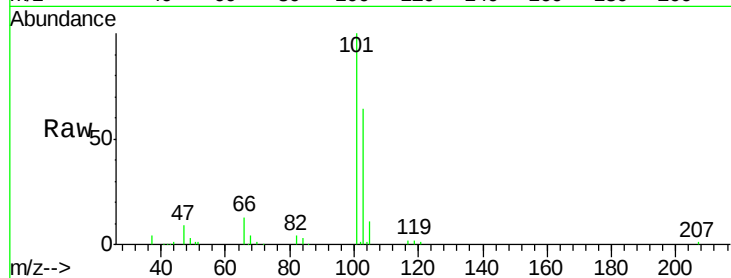


#7

Trichlorofluoromethane
 Concen: 48.696 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

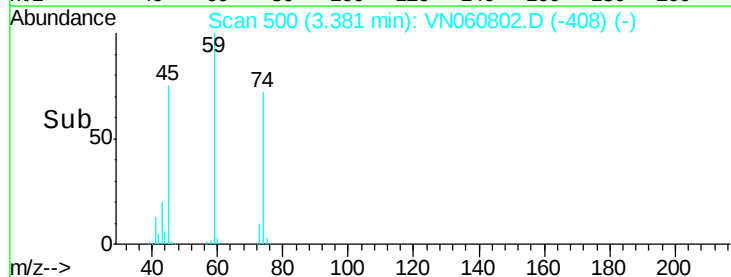
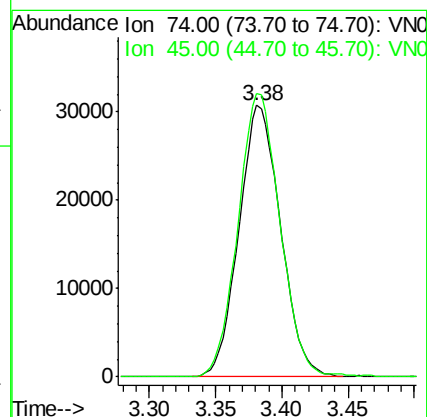
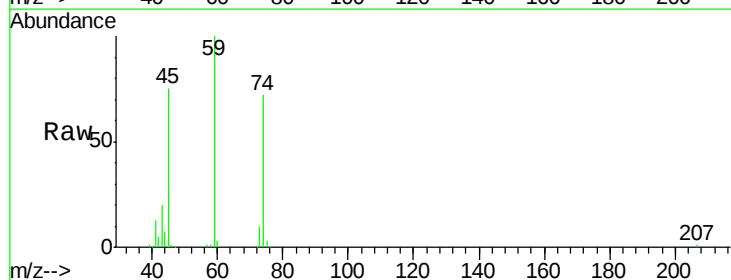
Tot Ion:101 Resp: 160493
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.6 76.0

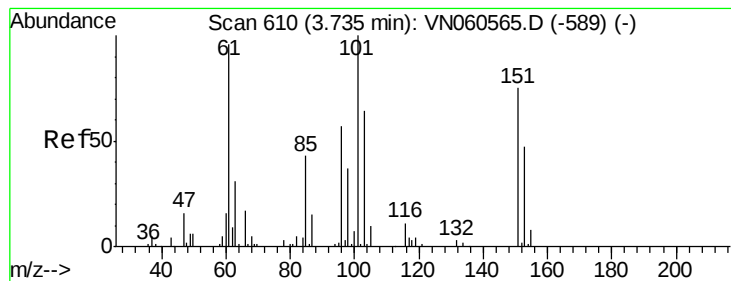


#8

Diethyl Ether
 Concen: 50.707 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Tgt Ion: 74 Resp: 67136
 Ion Ratio Lower Upper
 74 100
 45 105.4 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.911 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

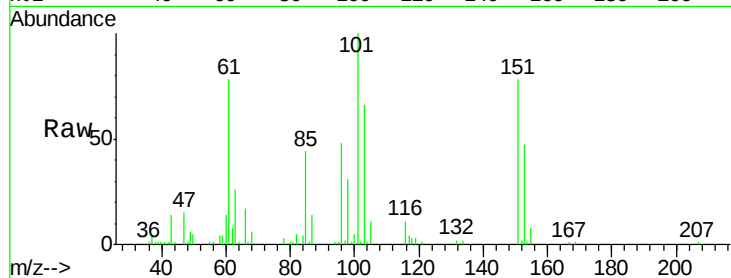
Tot Ion:101 Resp: 95317

Ion Ratio Lower Upper

101 100

85 43.9 35.6 53.4

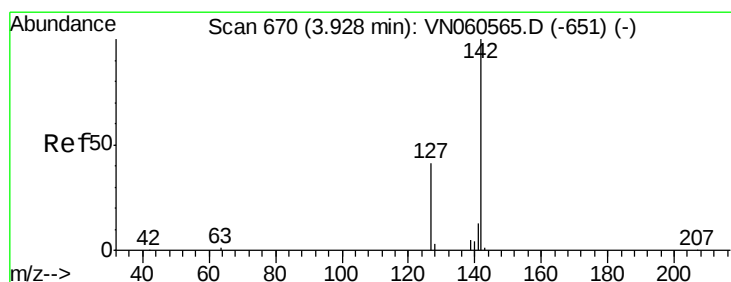
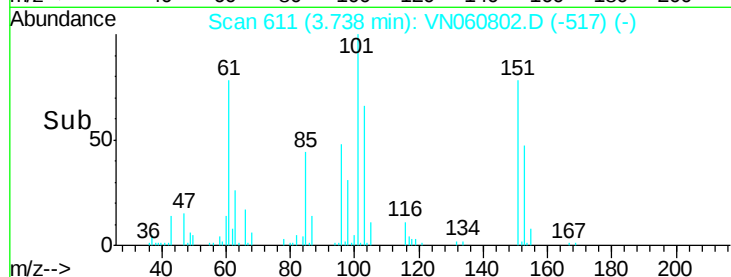
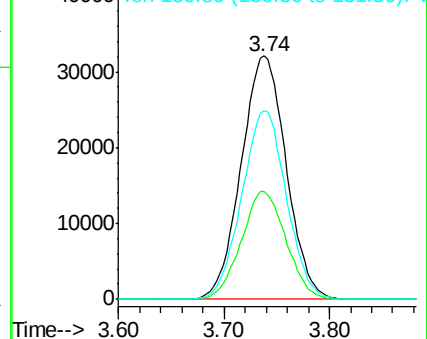
151 76.8 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN060802.D (-517) (-)

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.363 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

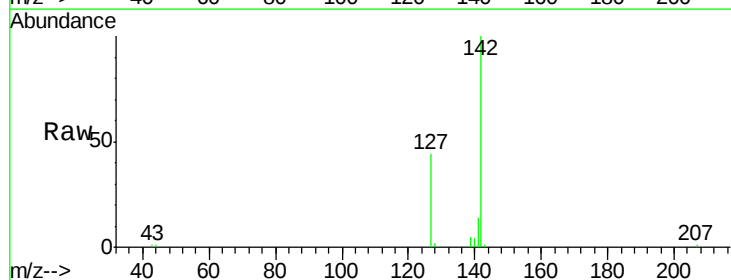
Tgt Ion:142 Resp: 77087

Ion Ratio Lower Upper

142 100

127 42.7 33.5 50.3

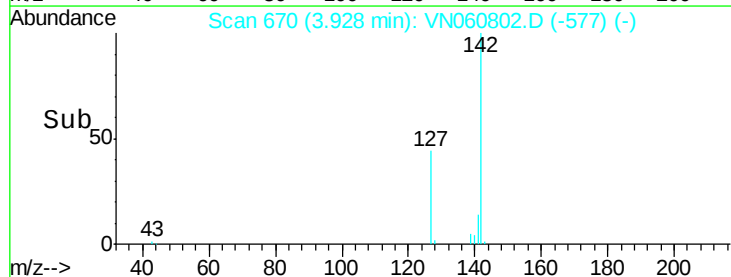
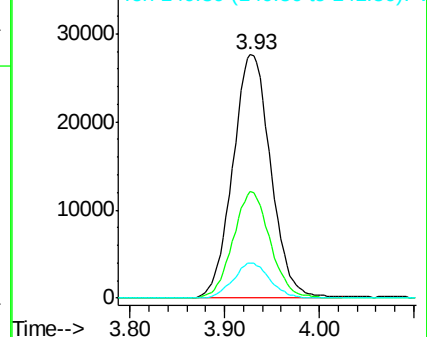
141 13.9 11.0 16.6

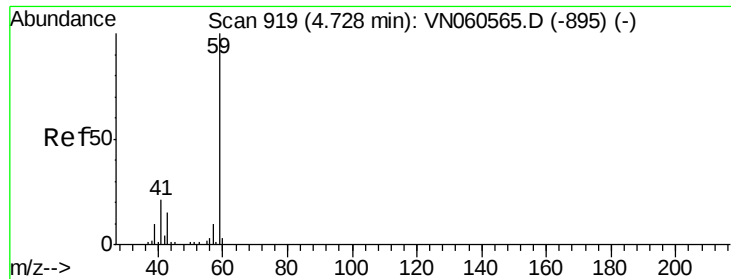


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

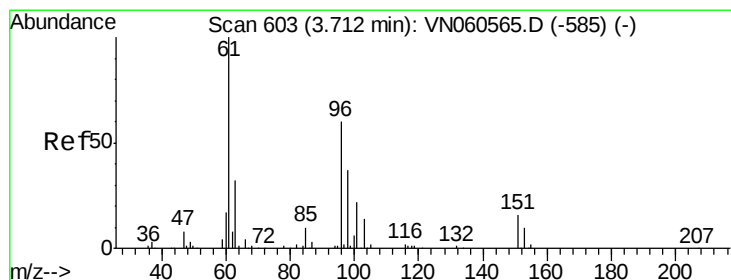
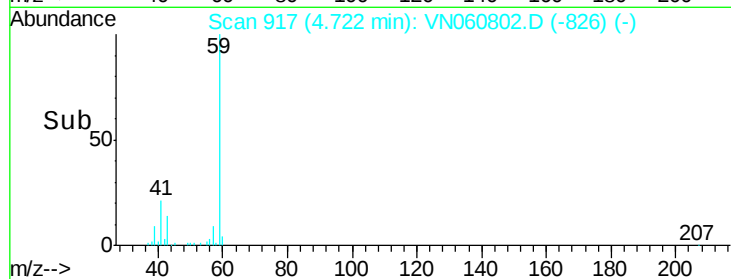
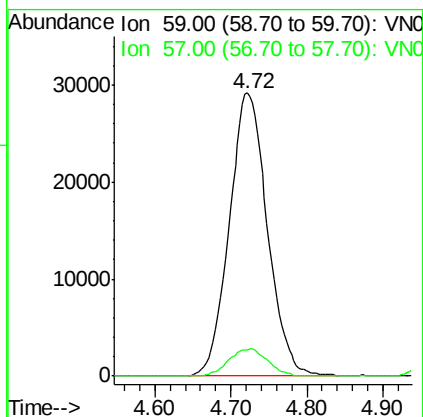
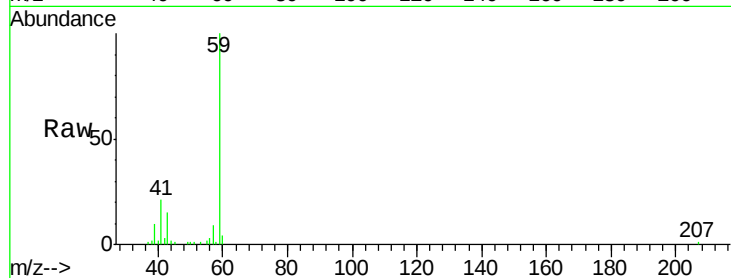




#11
Tert butyl alcohol
Concen: 265.120 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

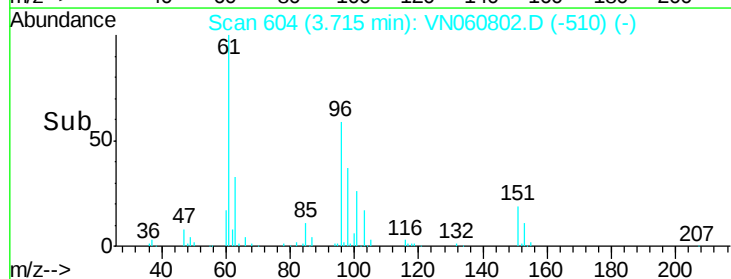
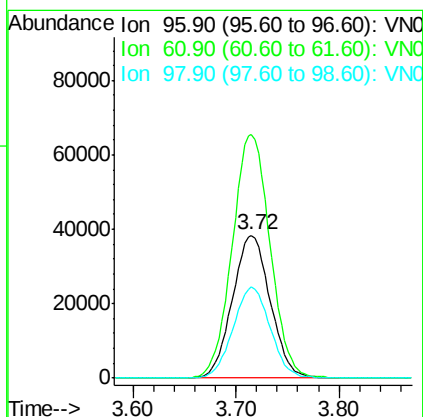
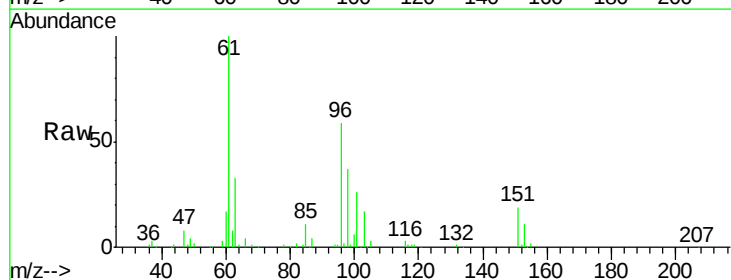
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 101316
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4



#12
1,1-Dichloroethene
Concen: 47.756 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 96 Resp: 97869
Ion Ratio Lower Upper
96 100
61 170.2 134.1 201.1
98 63.6 49.9 74.9





#13

Acrolein

Concen: 267.886 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

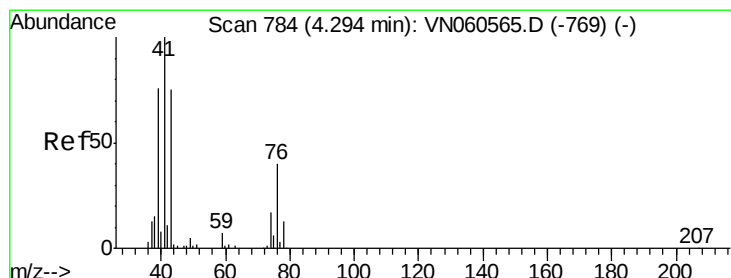
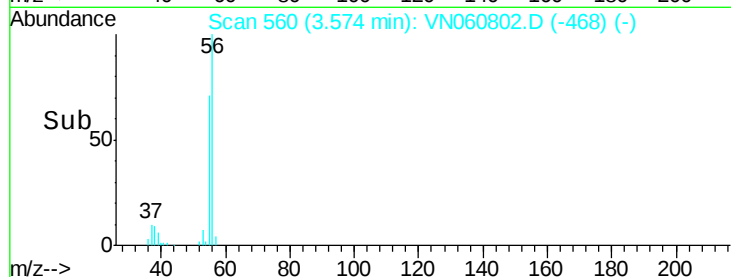
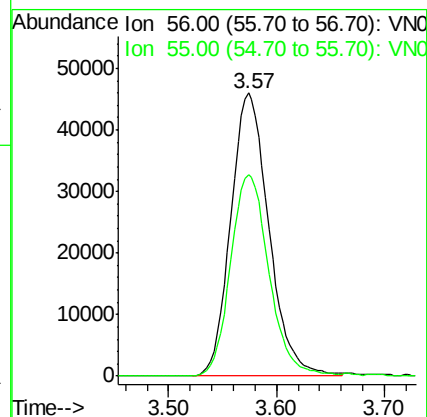
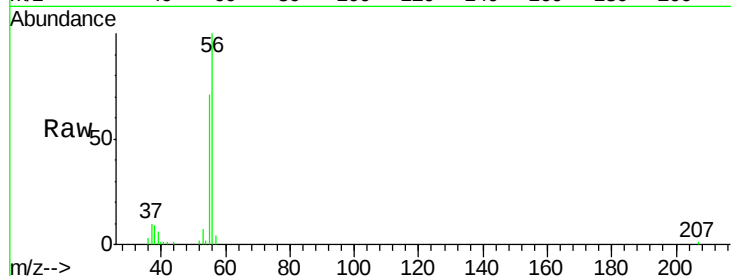
VSTDCCC050EC

Tot Ion: 56 Resp: 113460

Ion Ratio Lower Upper

56 100

55 71.5 56.7 85.1



#14

Allyl chloride

Concen: 48.597 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

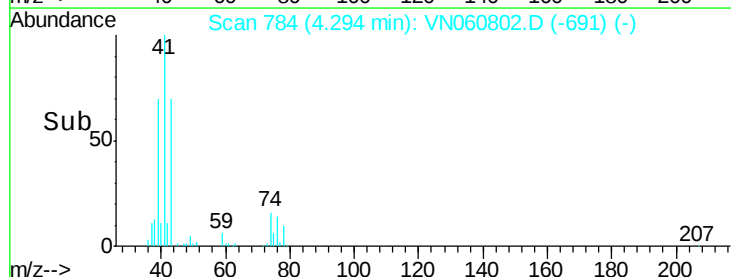
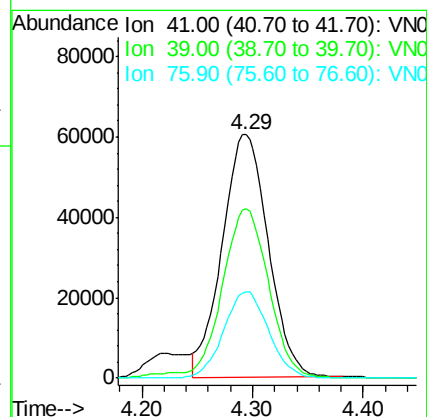
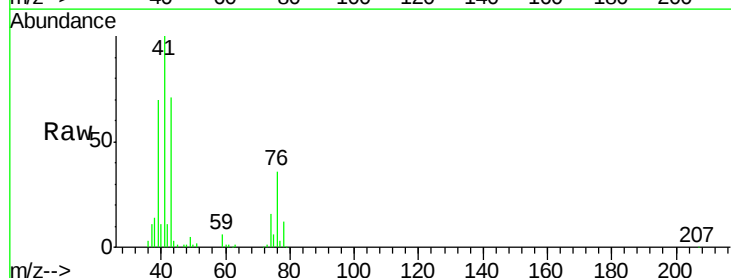
Tgt Ion: 41 Resp: 175165

Ion Ratio Lower Upper

41 100

39 71.3 57.8 86.8

76 34.8 28.6 43.0





#15

Acrylonitrile

Concen: 269.005 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

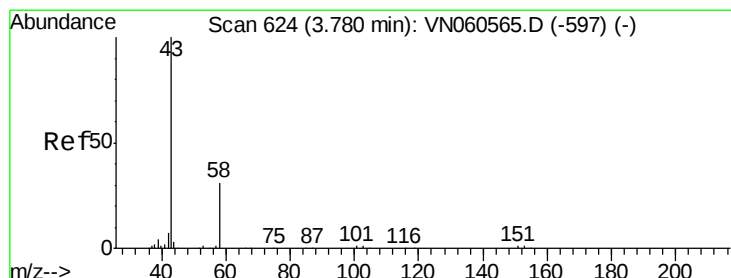
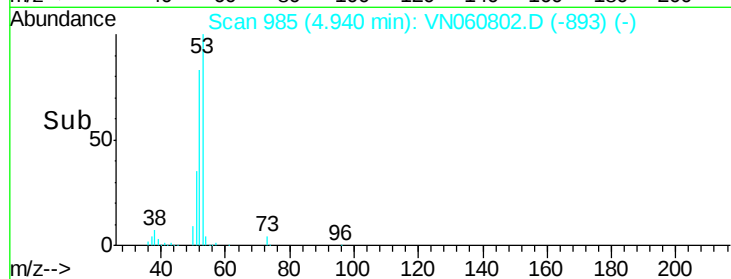
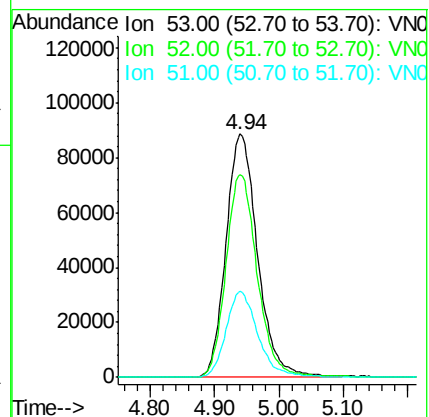
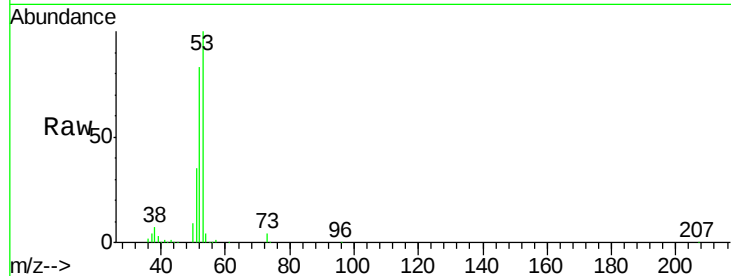
Tot Ion: 53 Resp: 302295

Ion Ratio Lower Upper

53 100

52 82.2 66.2 99.4

51 35.5 28.7 43.1



#16

Acetone

Concen: 263.556 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060802.D

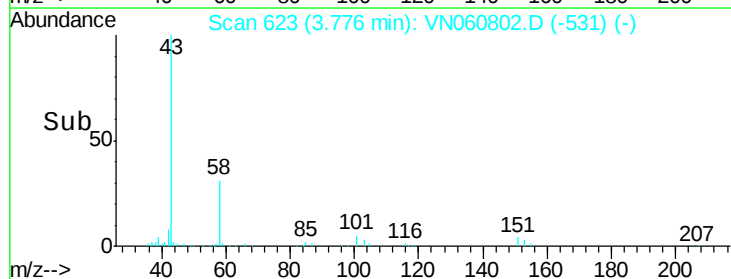
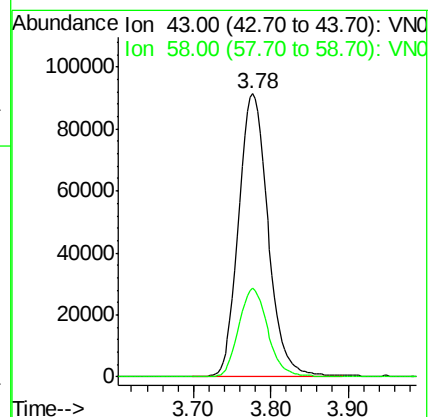
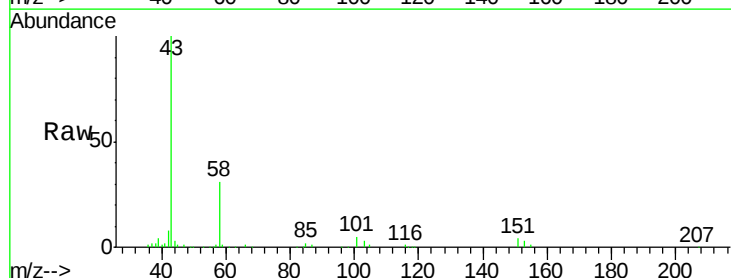
Acq: 31 Mar 2020 21:23

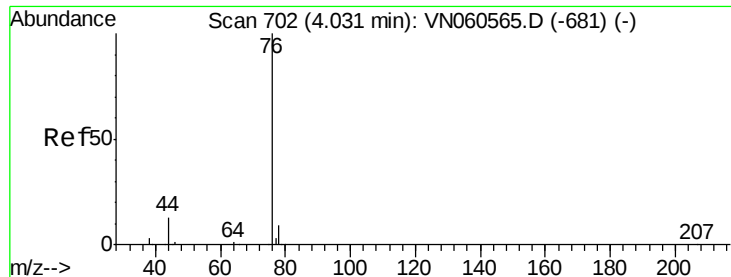
Tgt Ion: 43 Resp: 242585

Ion Ratio Lower Upper

43 100

58 31.2 25.1 37.7





#17

Carbon Disulfide

Concen: 44.849 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

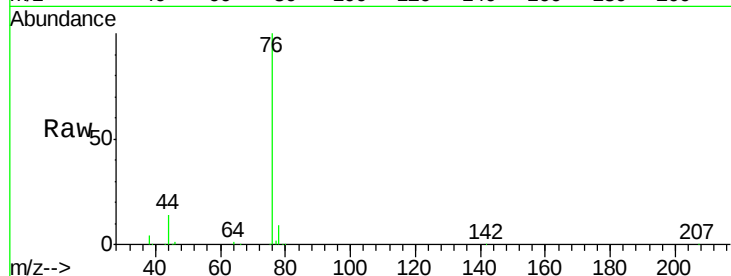
VSTDCCC050EC

Tot Ion: 76 Resp: 279535

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN060802.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060802.D (-609) (-)

4.03

120000

100000

80000

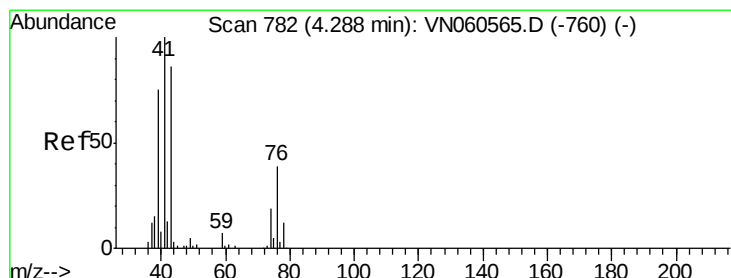
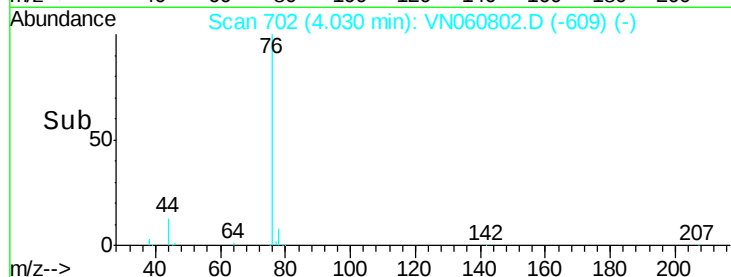
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 54.686 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060802.D

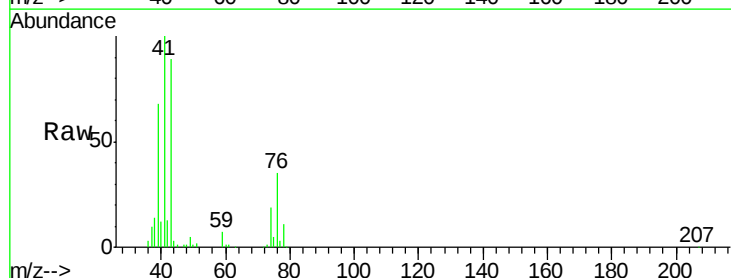
Acq: 31 Mar 2020 21:23

Tgt Ion: 43 Resp: 141680

Ion Ratio Lower Upper

43 100

74 21.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060802.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060802.D (-689) (-)

4.28

50000

40000

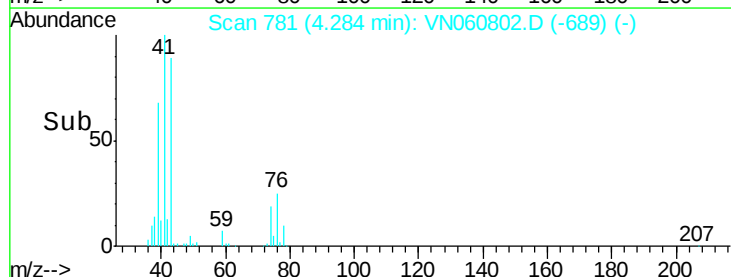
30000

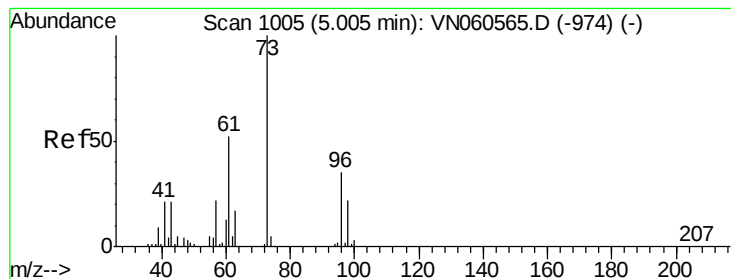
20000

10000

0

Time--> 4.20 4.30 4.40



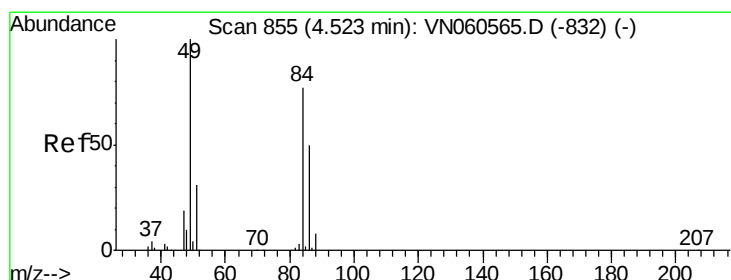
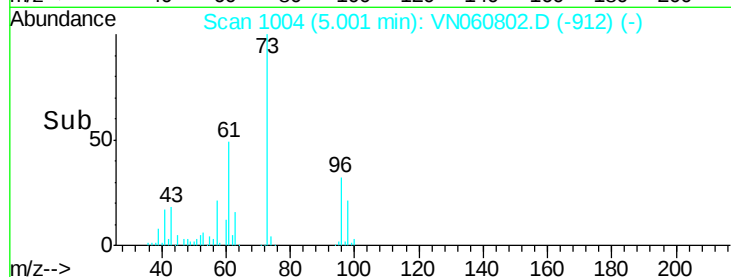
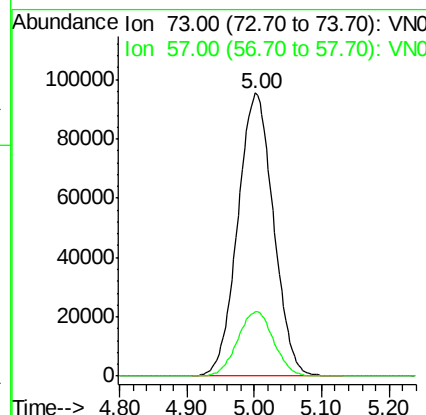
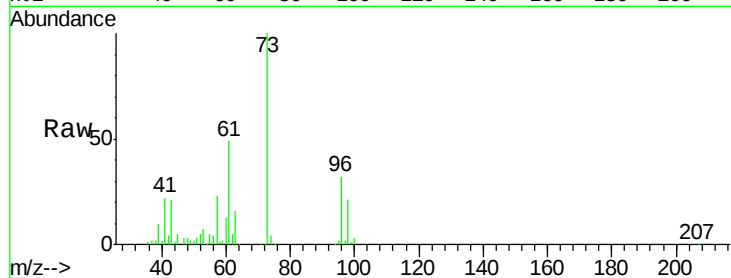


#19

Methyl tert-butyl Ether
 Concen: 50.006 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

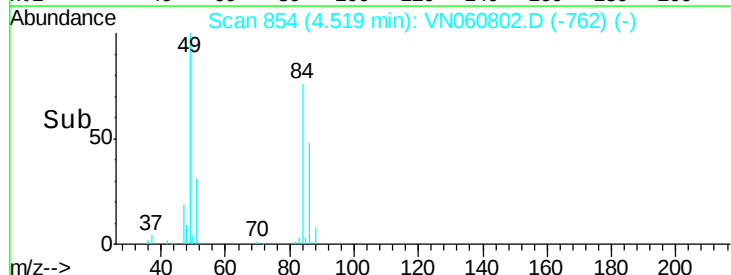
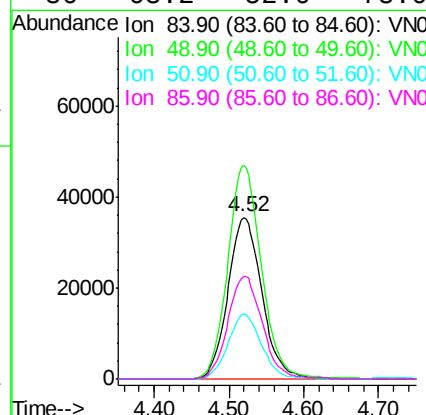
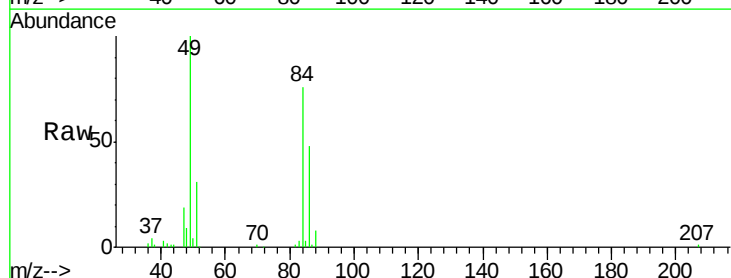
Tot Ion: 73 Resp: 352342
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.5 26.3

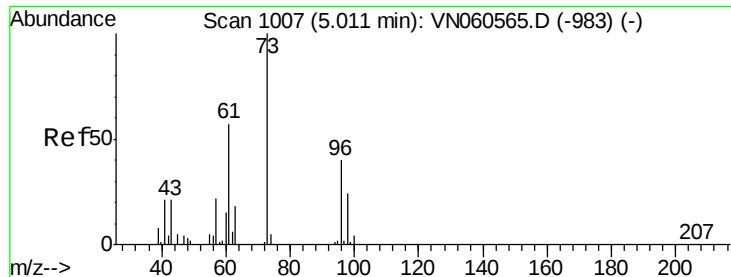


#20

Methylene Chloride
 Concen: 49.405 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Tgt Ion: 84 Resp: 111864
 Ion Ratio Lower Upper
 84 100
 49 132.0 103.3 154.9
 51 40.7 31.6 47.4
 86 63.2 52.0 78.0

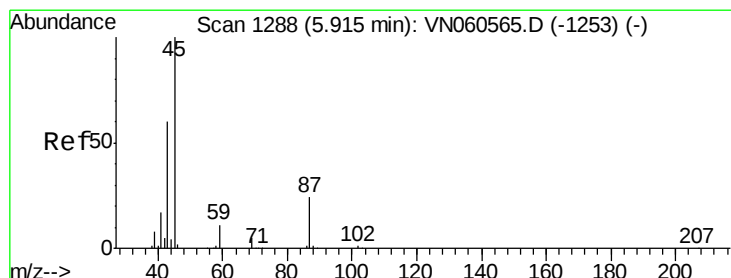
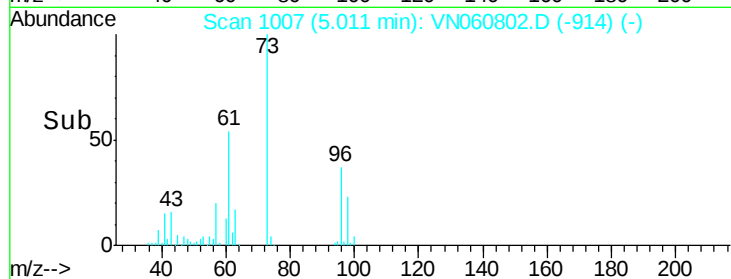
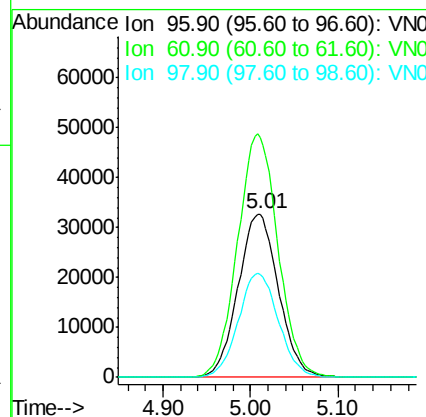
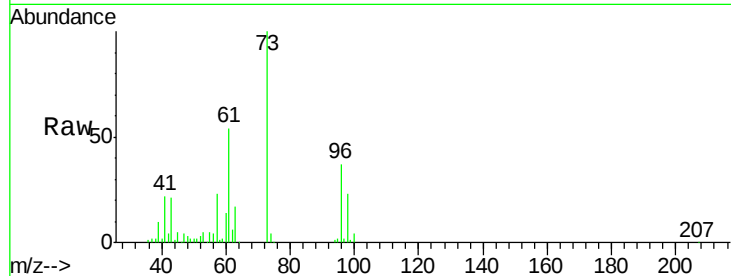




#21
trans-1,2-Dichloroethene
Concen: 47.889 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

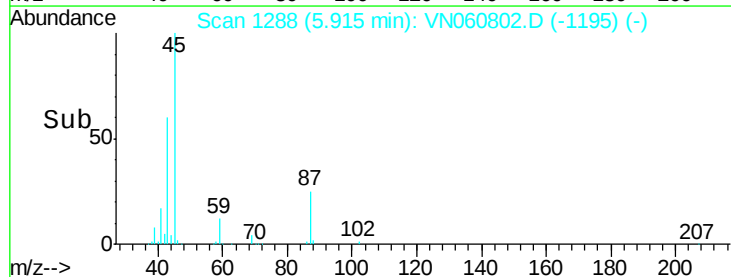
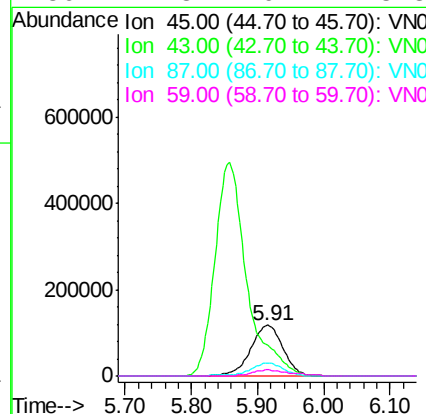
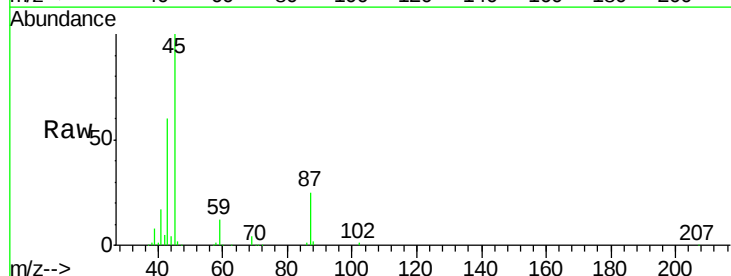
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

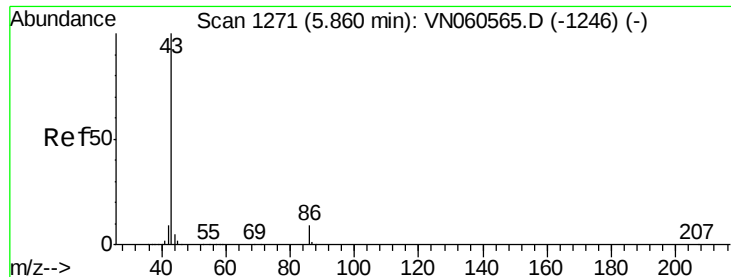
Tot Ion: 96 Resp: 104598
Ion Ratio Lower Upper
96 100
61 147.0 114.4 171.6
98 62.9 48.4 72.6



#22
Diisopropyl ether
Concen: 52.443 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 45 Resp: 399352
Ion Ratio Lower Upper
45 100
43 59.2 49.8 74.8
87 25.2 20.1 30.1
59 11.8 9.2 13.8





#23

Vinyl Acetate

Concen: 266.945 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

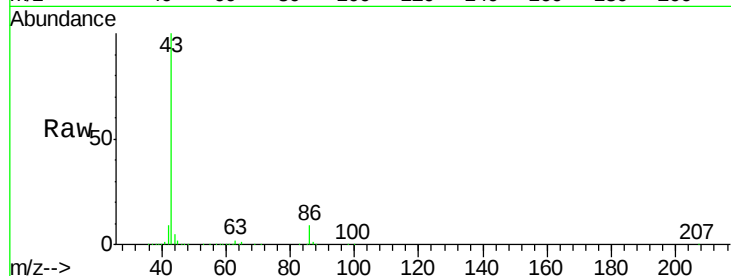
VSTDCCC050EC

Tot Ion: 43 Resp: 1658588

Ion Ratio Lower Upper

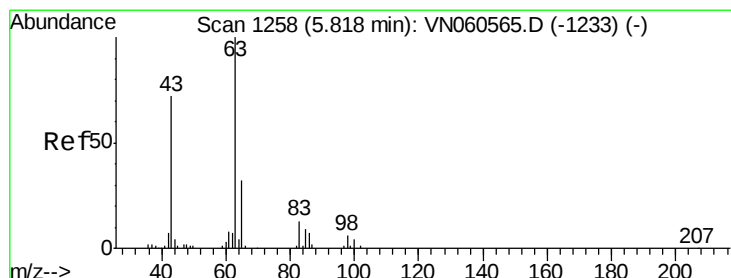
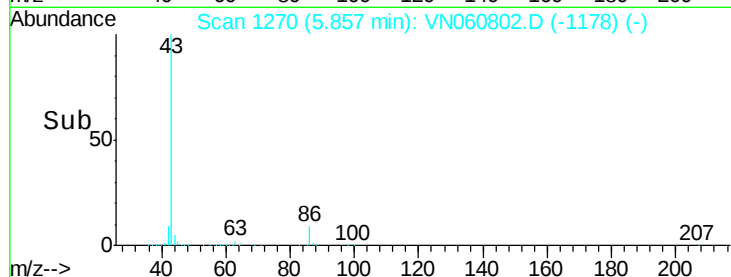
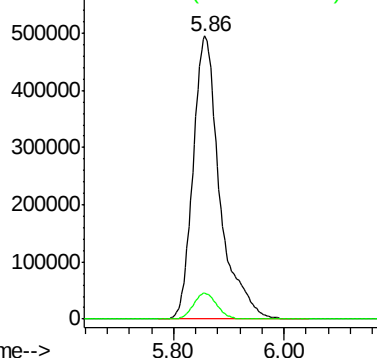
43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.238 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

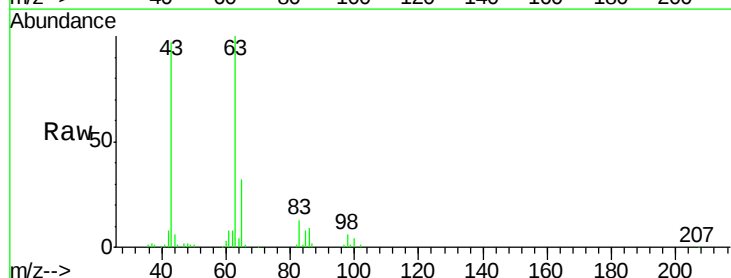
Tgt Ion: 63 Resp: 212704

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

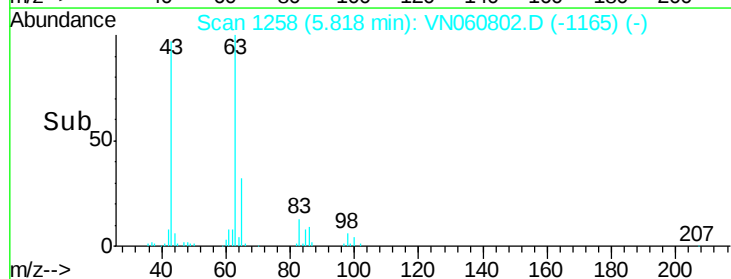
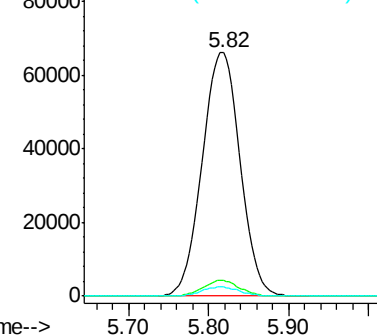
100 3.7 1.8 5.5

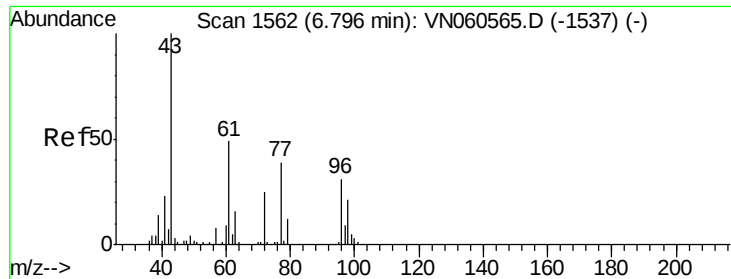


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

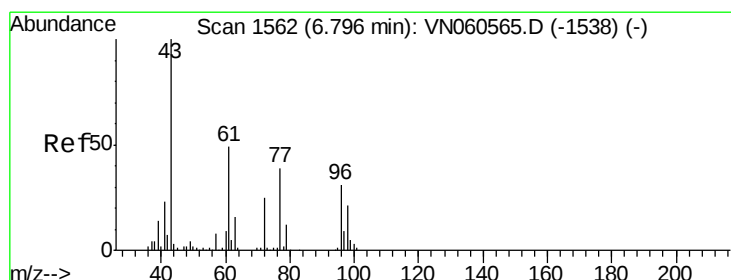
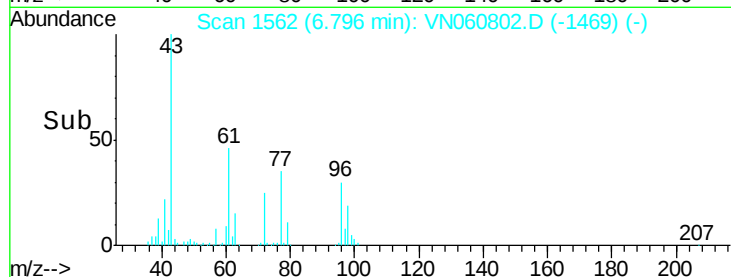
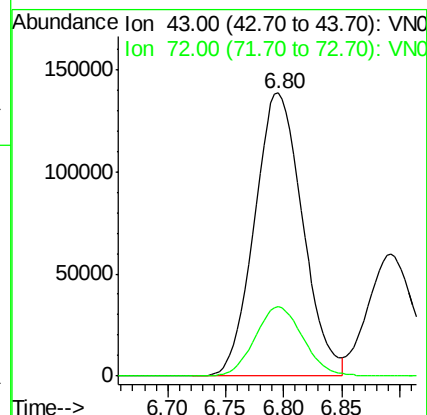
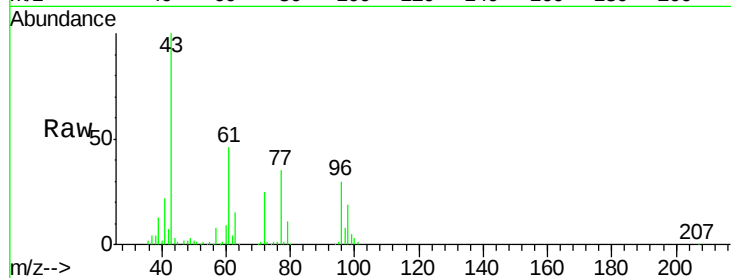




#25
2-Butanone
Concen: 267.302 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

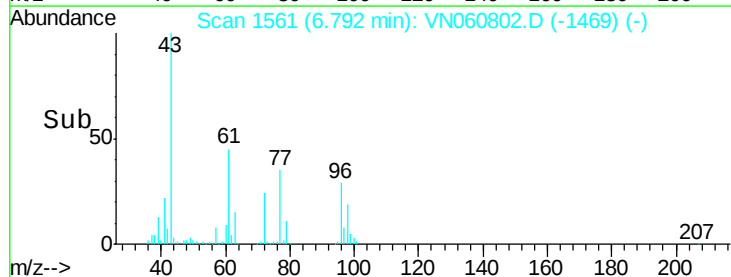
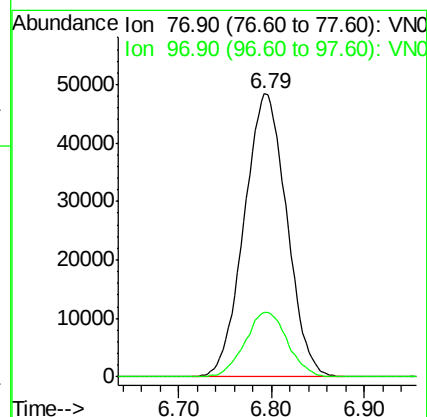
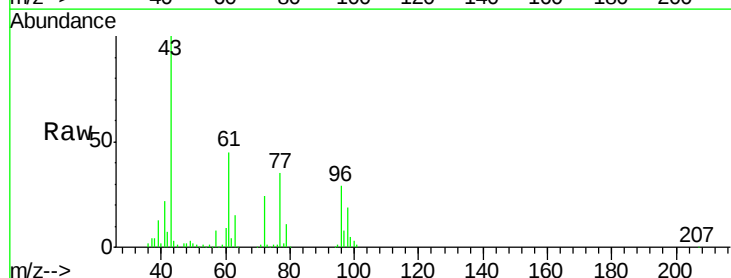
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

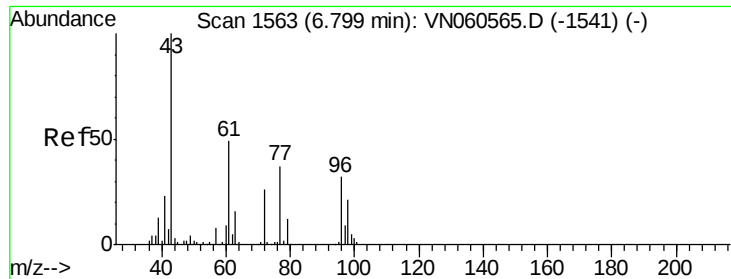
Tot Ion: 43 Resp: 398123
Ion Ratio Lower Upper
43 100
72 24.6 20.4 30.6



#26
2,2-Dichloropropane
Concen: 47.288 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 77 Resp: 154454
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.841 ug/l

RT: 6.80 min Scan# 1563

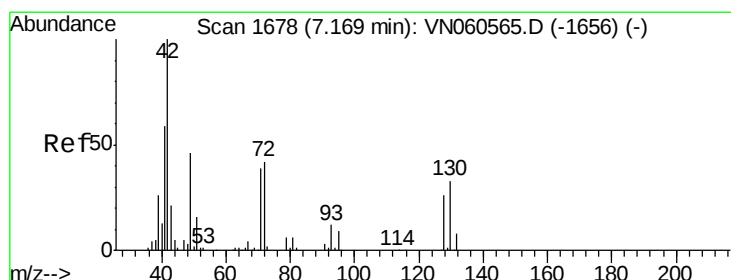
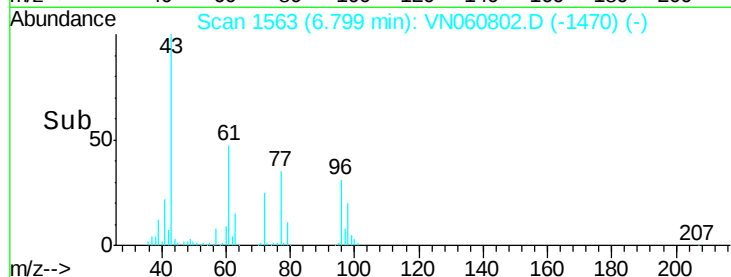
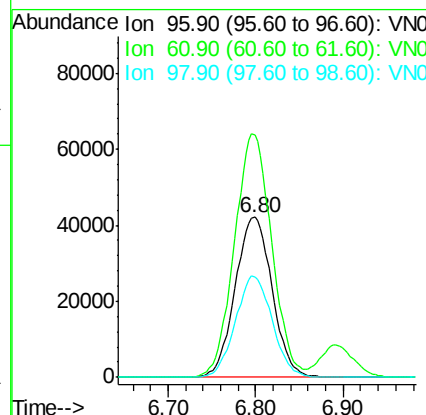
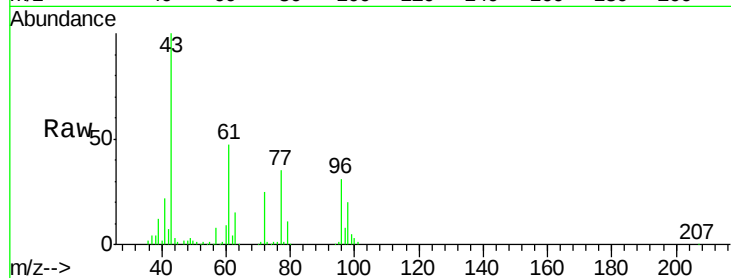
Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	96	Resp	123710
Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	305.6
98	62.9	0.0	127.6



#28

Bromochloromethane

Concen: 51.933 ug/l

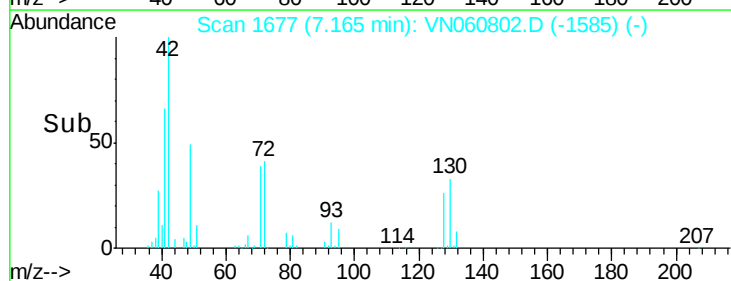
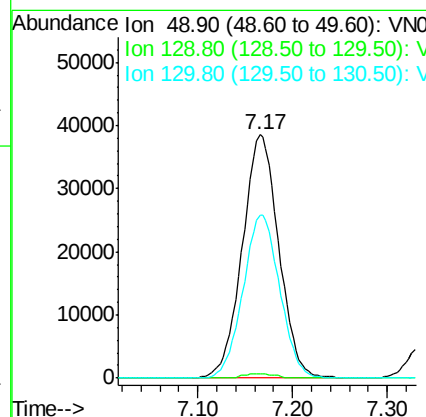
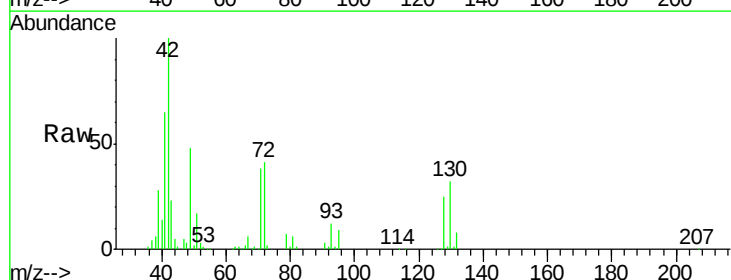
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Tgt Ion	49	Resp	103147
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	67.4	55.0	82.4





#29

Tetrahydrofuran

Concen: 258.644 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

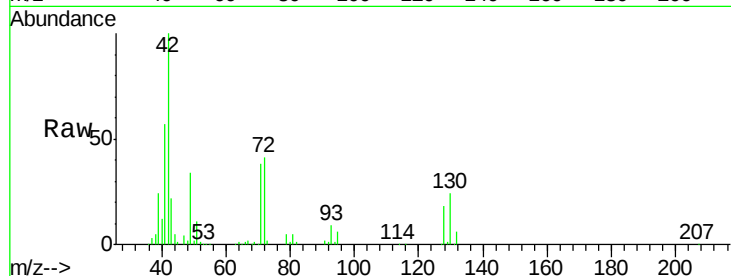
Tot Ion: 42 Resp: 272564

Ion Ratio Lower Upper

42 100

72 40.7 33.2 49.8

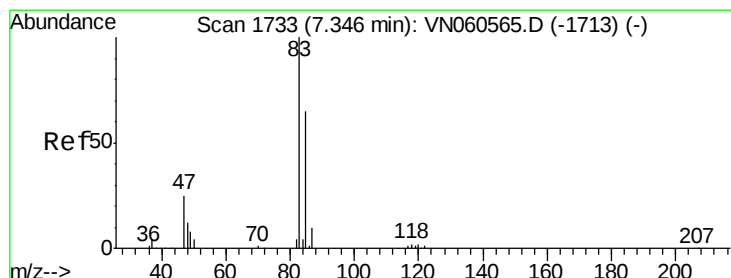
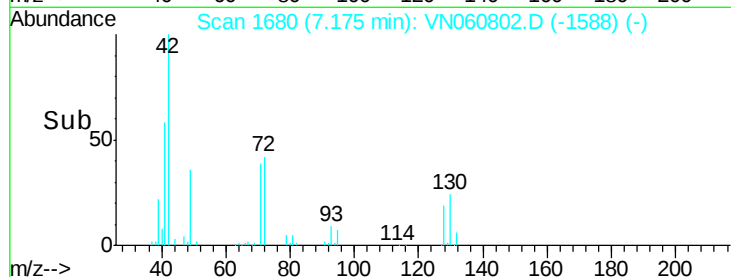
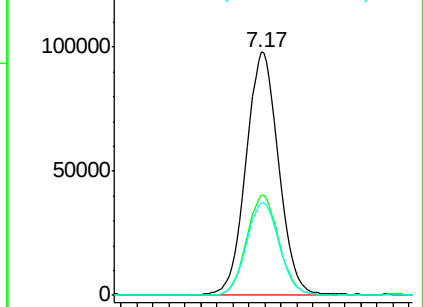
71 38.2 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN060802.D (-1653) (-)

Ion 72.00 (71.70 to 72.70): VN060802.D (-1653) (-)

Ion 71.00 (70.70 to 71.70): VN060802.D (-1653) (-)



#30

Chloroform

Concen: 50.376 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN060802.D

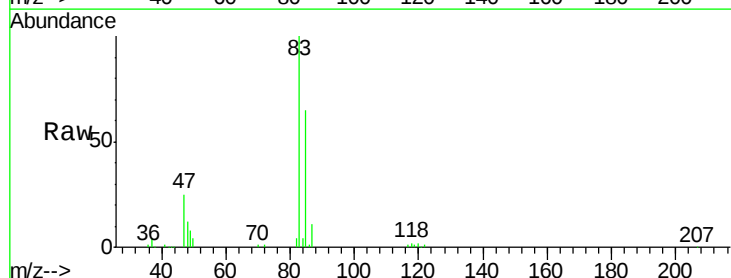
Acq: 31 Mar 2020 21:23

Tgt Ion: 83 Resp: 200480

Ion Ratio Lower Upper

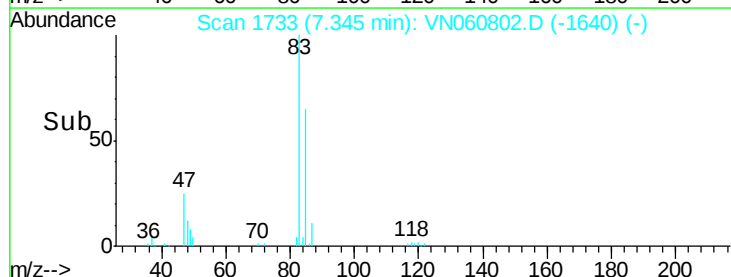
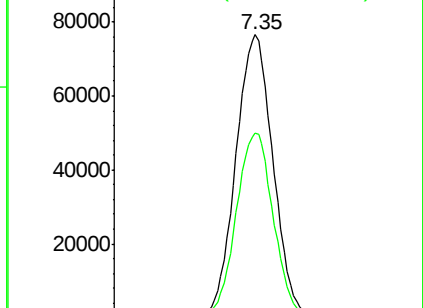
83 100

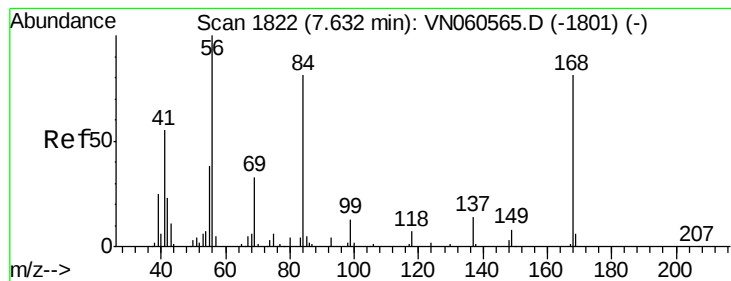
85 65.4 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN060802.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060802.D (-1640) (-)





#31

Cyclohexane

Concen: 46.084 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

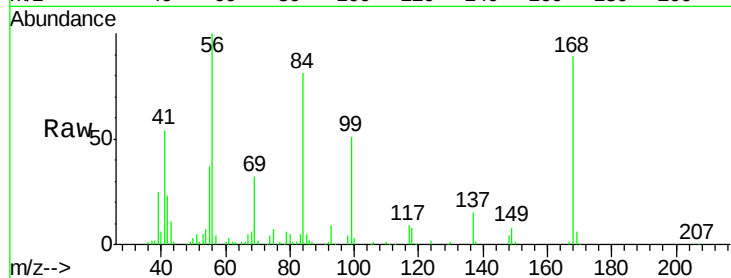
Tot Ion: 56 Resp: 192868

Ion Ratio Lower Upper

56 100

69 32.4 26.6 40.0

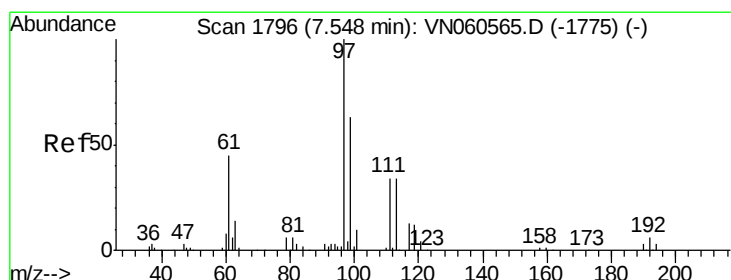
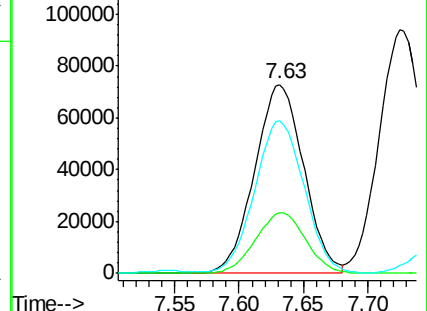
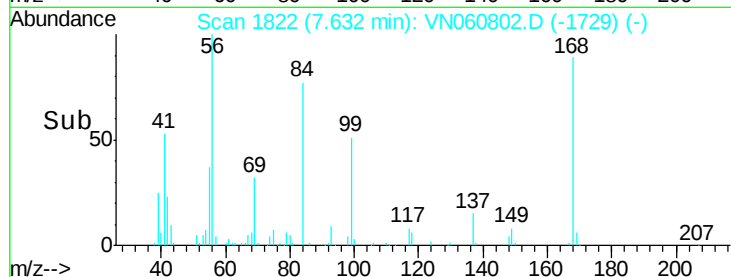
84 79.9 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060802.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060802.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060802.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 49.653 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

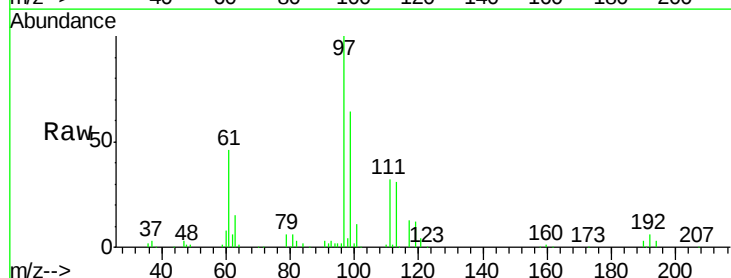
Tgt Ion: 97 Resp: 170350

Ion Ratio Lower Upper

97 100

99 64.6 50.6 75.8

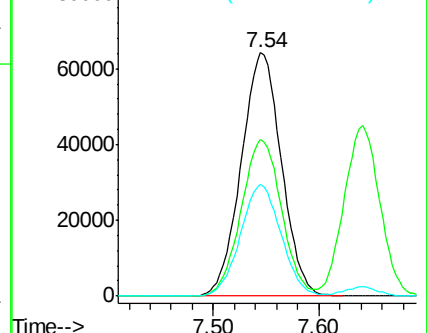
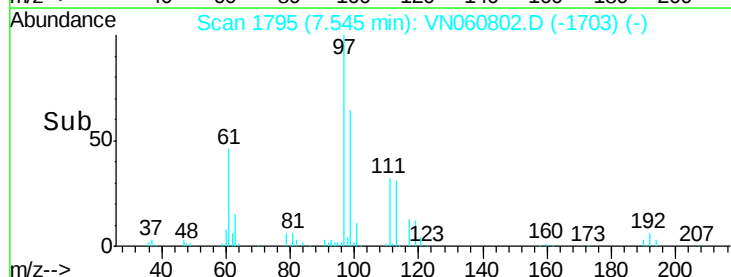
61 46.3 36.2 54.4

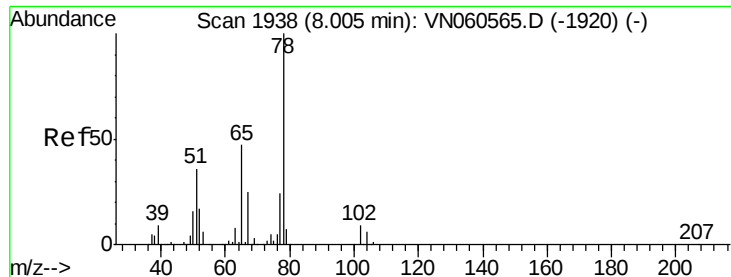


Abundance Ion 96.90 (96.60 to 97.60): VN060802.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060802.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060802.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.927 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

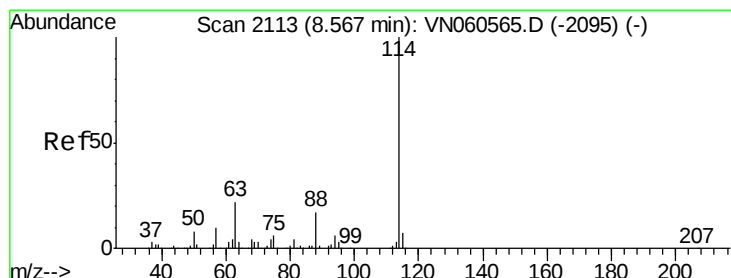
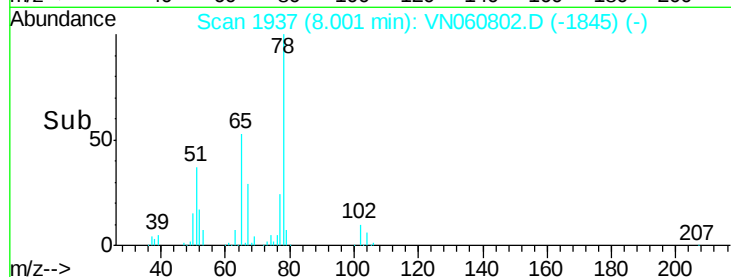
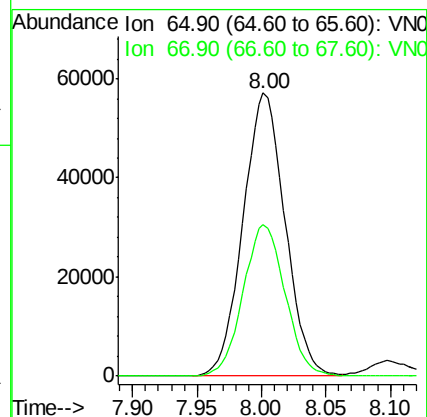
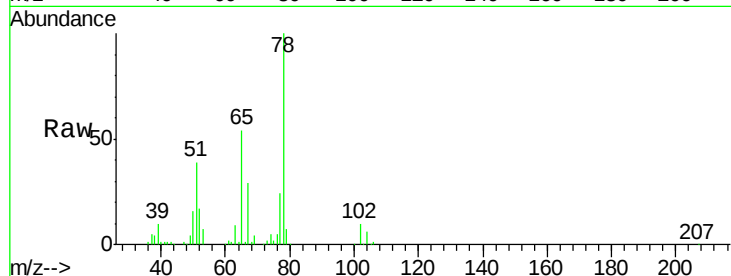
VSTDCCC050EC

Tot Ion: 65 Resp: 129733

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: VN060802.D

Acq: 31 Mar 2020 21:23

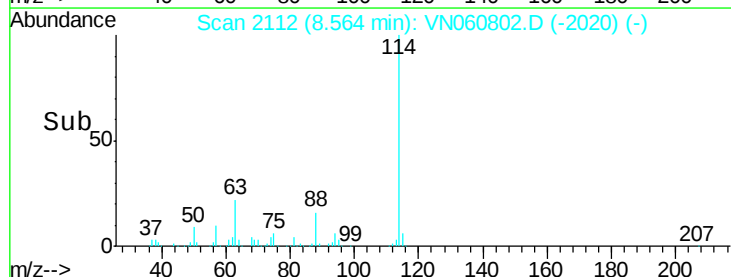
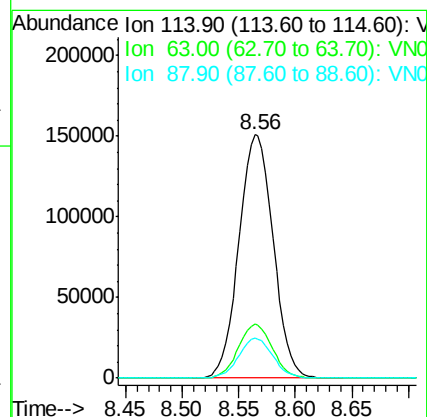
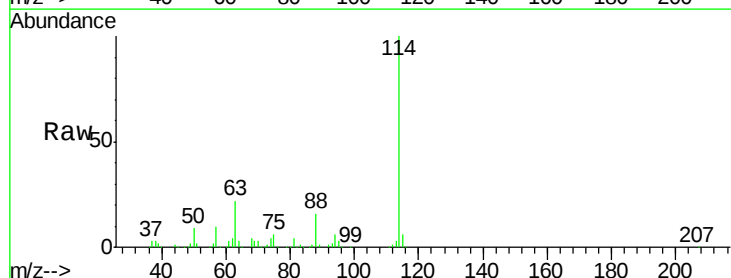
Tgt Ion: 114 Resp: 318697

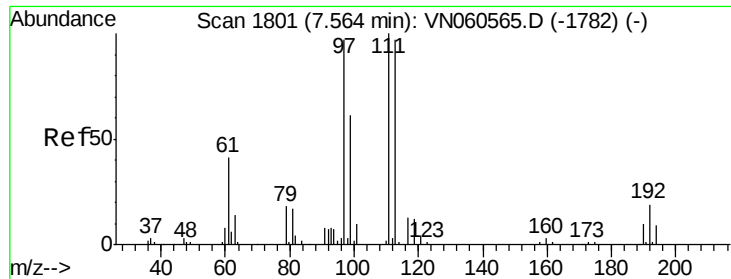
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 16.5 0.0 33.0

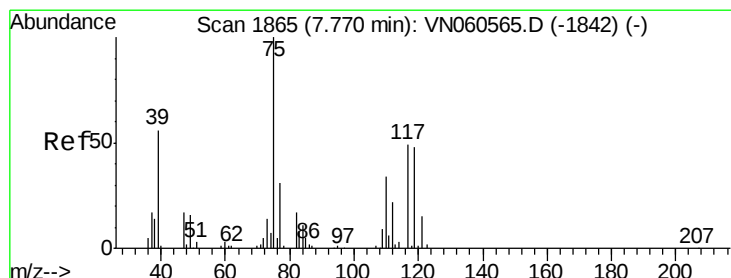
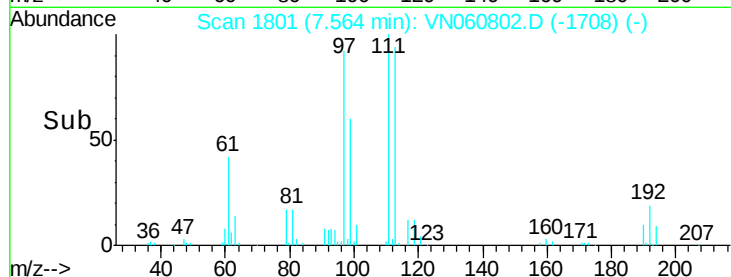
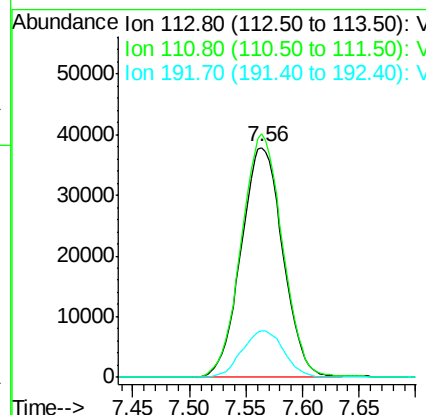
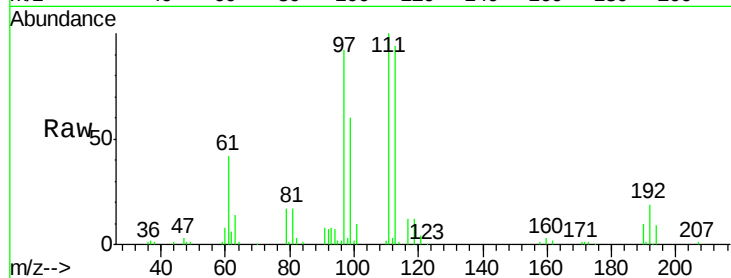




#35
 Dibromofluoromethane
 Concen: 50.468 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

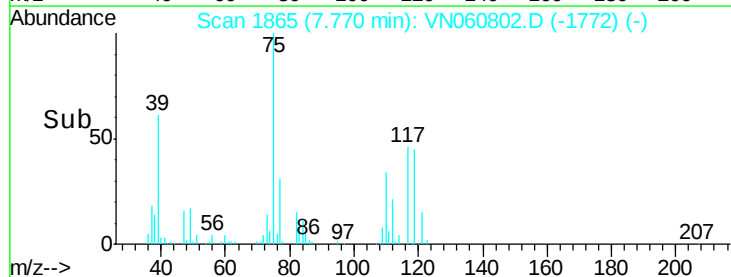
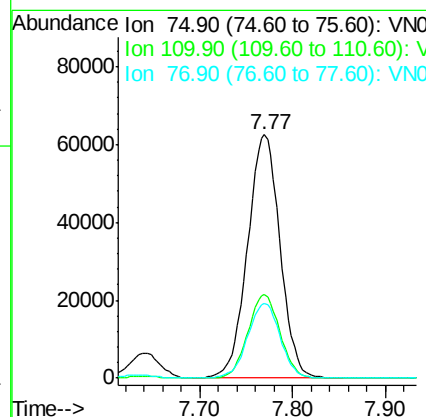
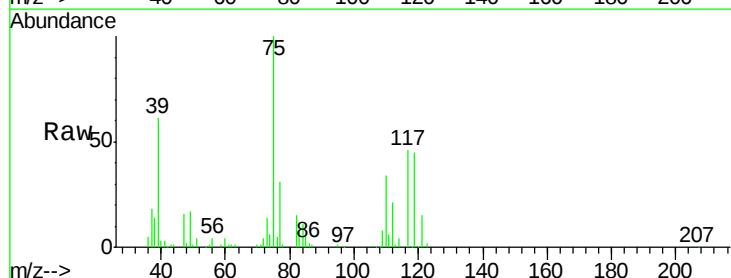
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

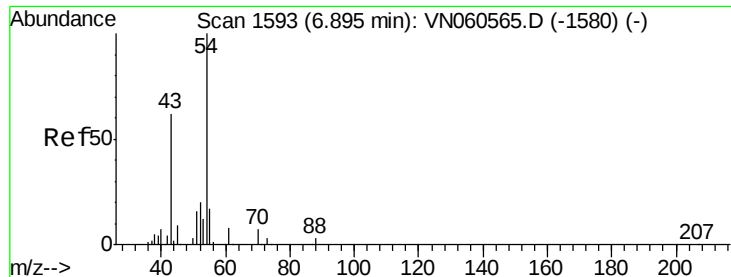
Tot Ion:113 Resp: 97254
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.9 124.3
 192 20.2 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 49.197 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Tgt Ion: 75 Resp: 151820
 Ion Ratio Lower Upper
 75 100
 110 33.6 16.9 50.6
 77 30.8 24.6 36.8

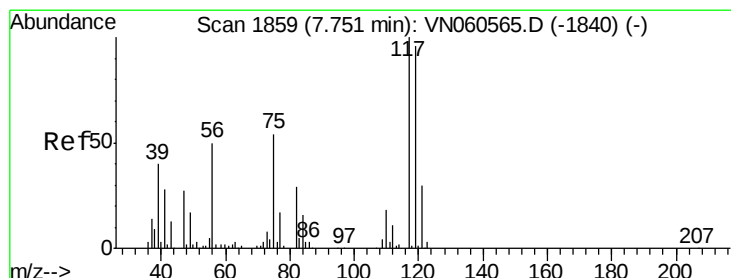
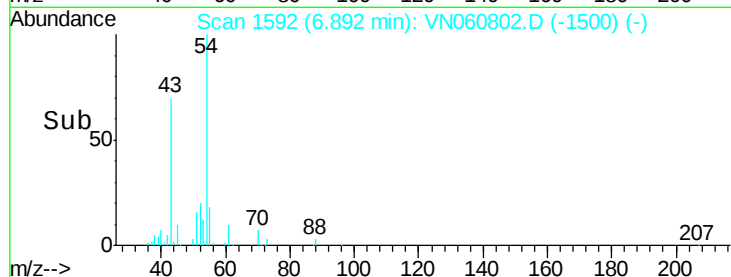
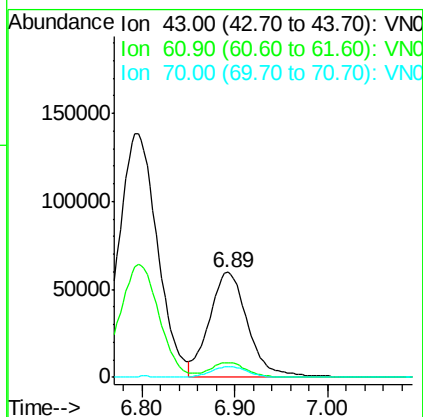
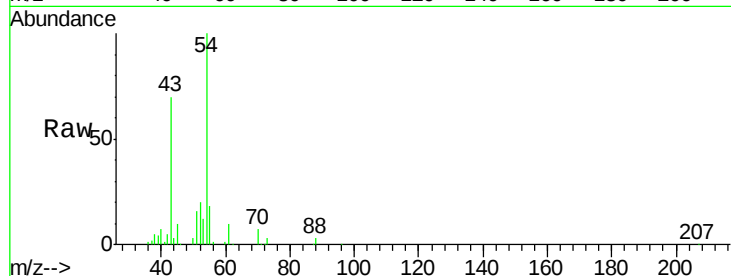




#37
Ethyl Acetate
Concen: 50.887 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

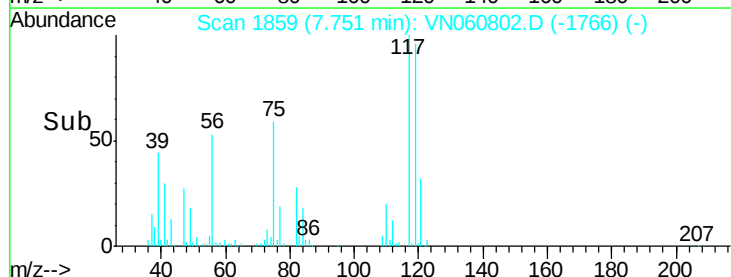
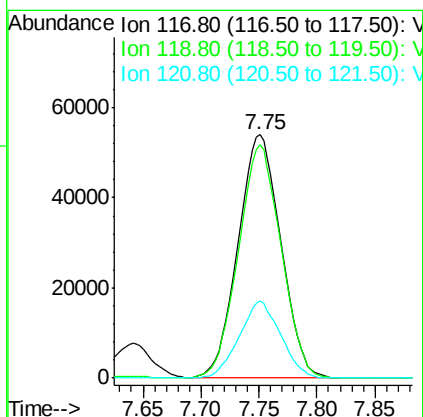
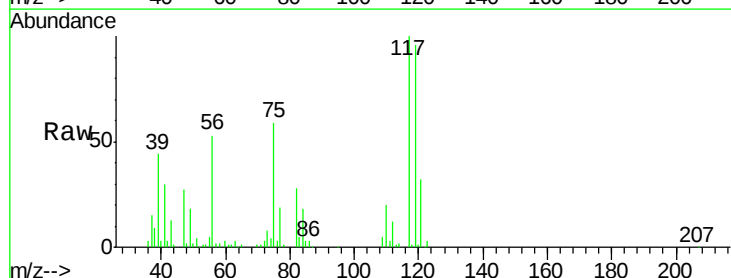
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

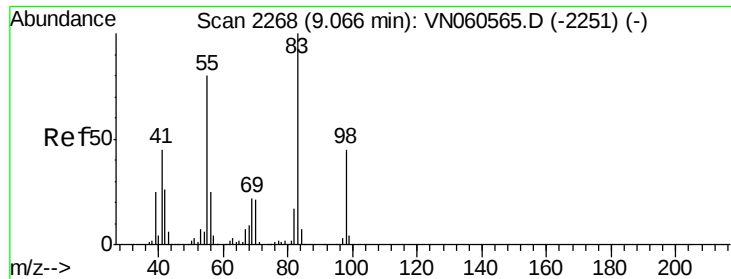
Tot Ion: 43 Resp: 169680
Ion Ratio Lower Upper
43 100
61 13.7 10.6 15.8
70 9.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 50.095 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 117 Resp: 138553
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.2
121 31.7 23.7 35.5

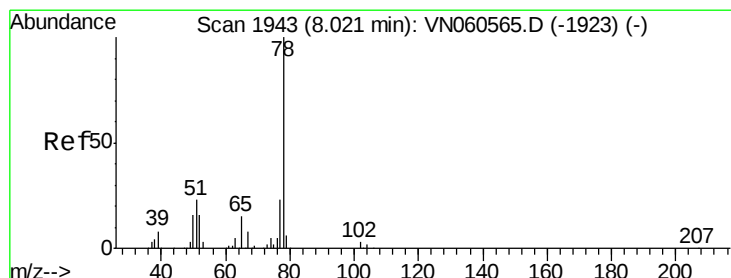
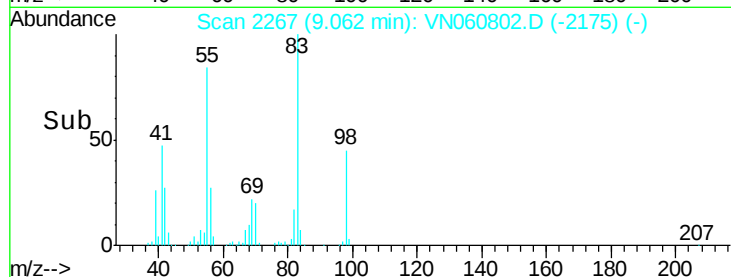
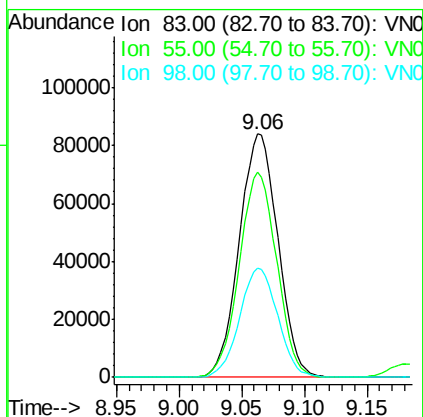
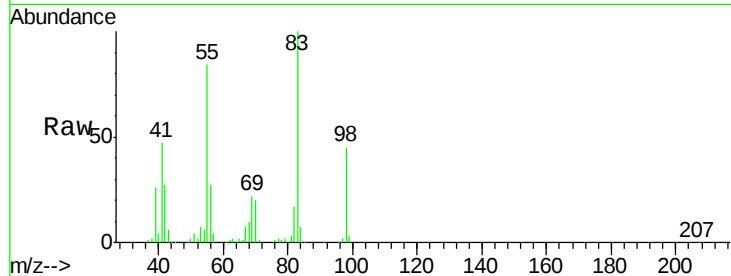




#39
Methvlcvclohexane
Concen: 49.197 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

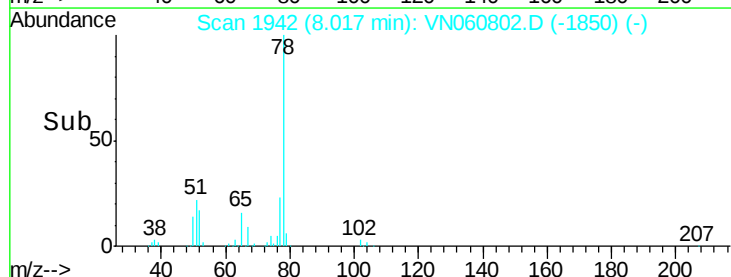
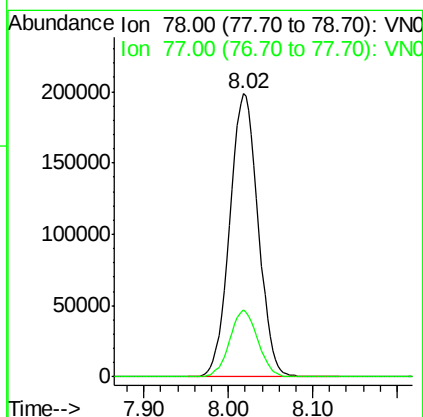
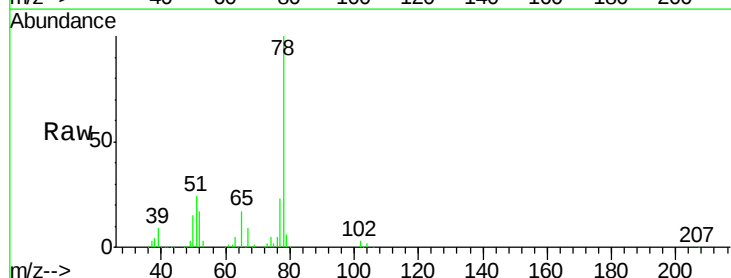
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

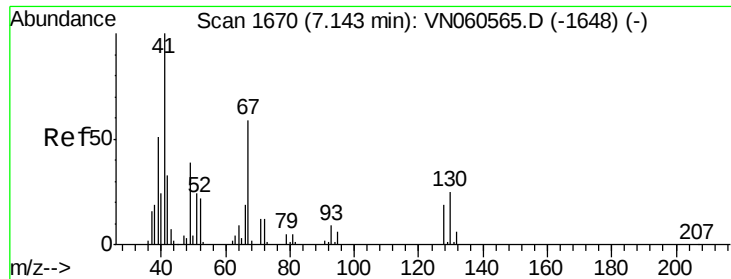
Tot Ion: 83 Resp: 180421
Ion Ratio Lower Upper
83 100
55 84.1 63.6 95.4
98 44.8 36.0 54.0



#40
Benzene
Concen: 49.854 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 78 Resp: 464434
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0

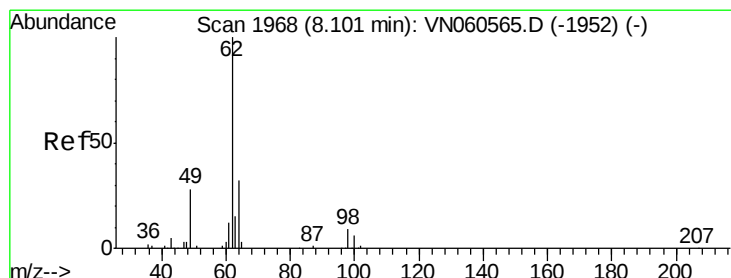
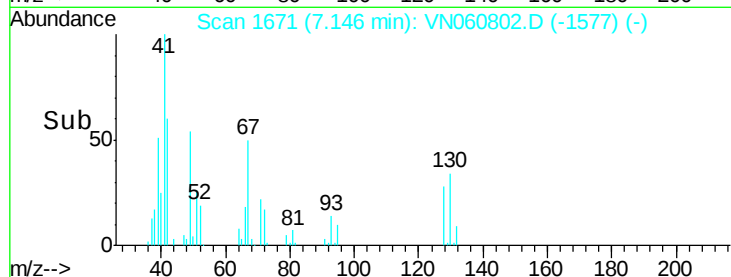
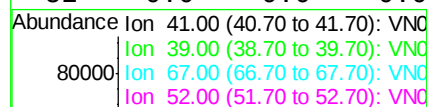
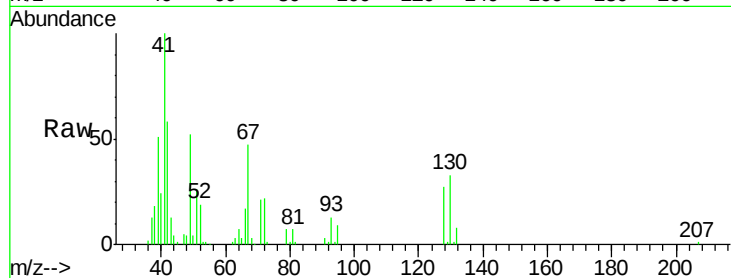




#41
Methacrylonitrile
Concen: 56.908 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

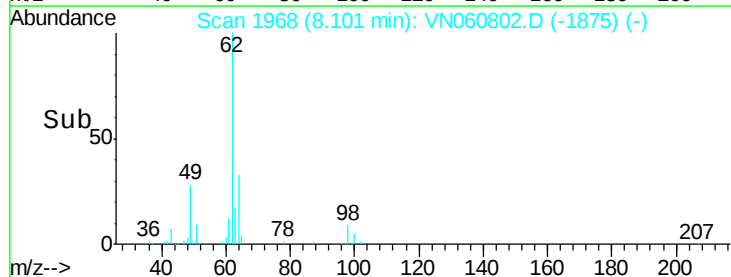
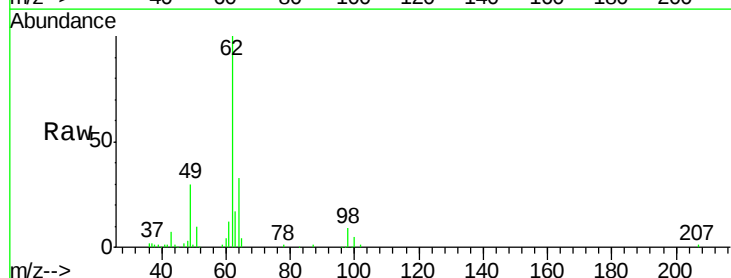
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

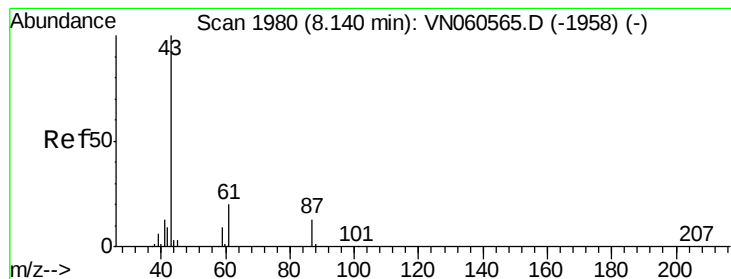
Tot Ion:	41	Resp:	80983
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.656 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion:	62	Resp:	161272
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8





#43

Isopropyl Acetate

Concen: 52.270 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

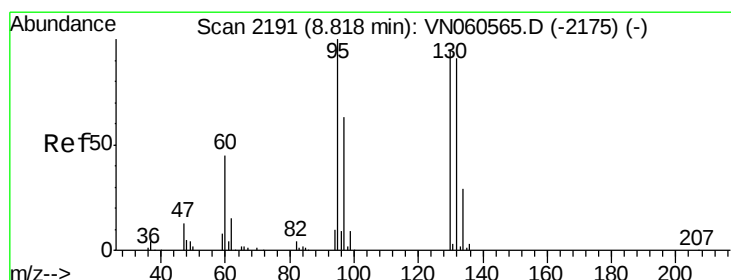
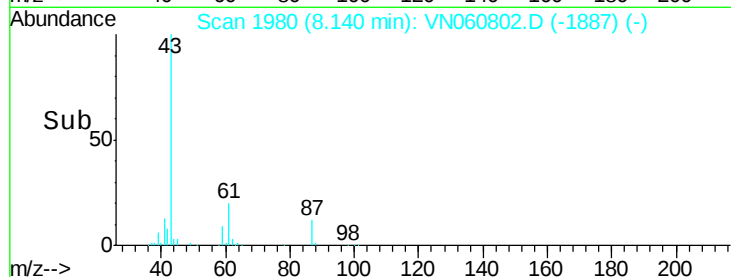
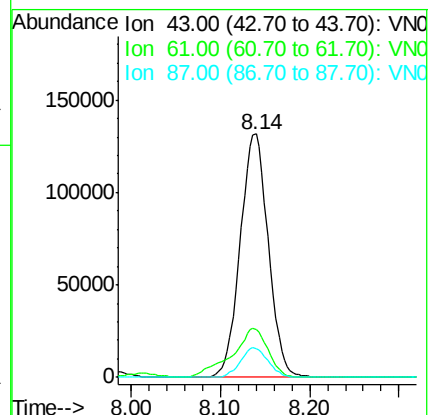
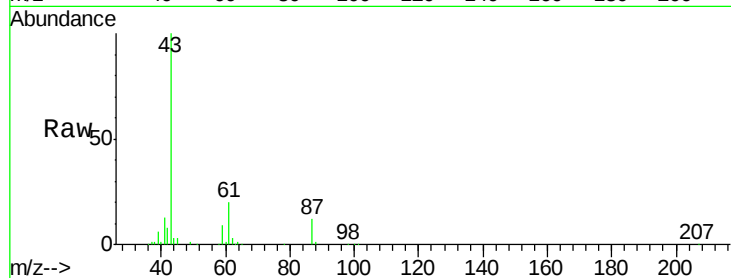
Tot Ion: 43 Resp: 287444

Ion Ratio Lower Upper

43 100

61 25.7 20.7 31.1

87 12.0 9.8 14.8



#44

Trichloroethene

Concen: 49.164 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060802.D

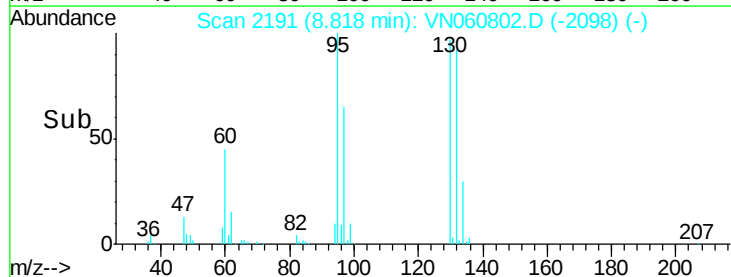
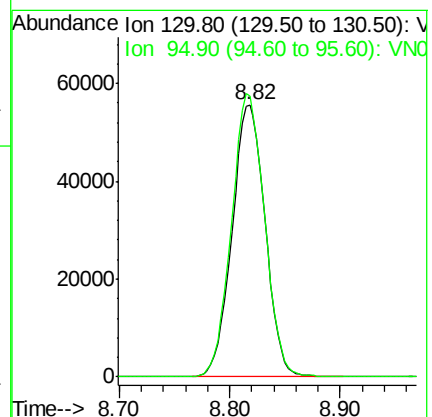
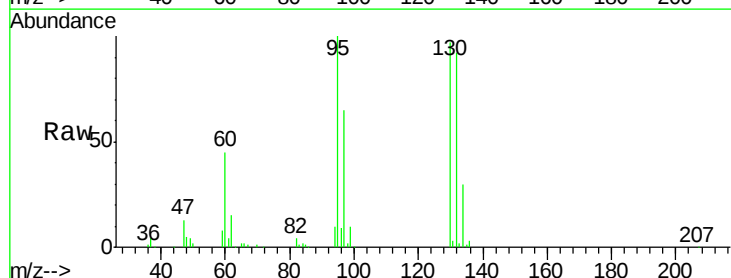
Acq: 31 Mar 2020 21:23

Tgt Ion: 130 Resp: 115457

Ion Ratio Lower Upper

130 100

95 103.3 0.0 211.2





#45

1,2-Dichloropropane

Concen: 51.794 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

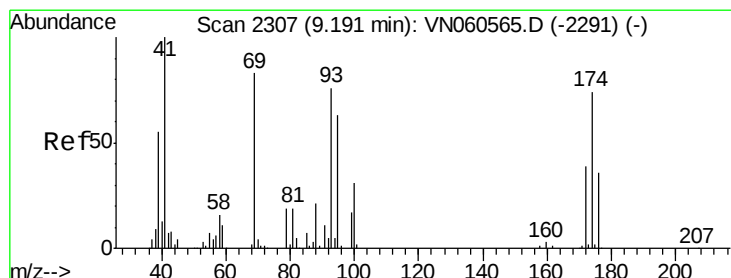
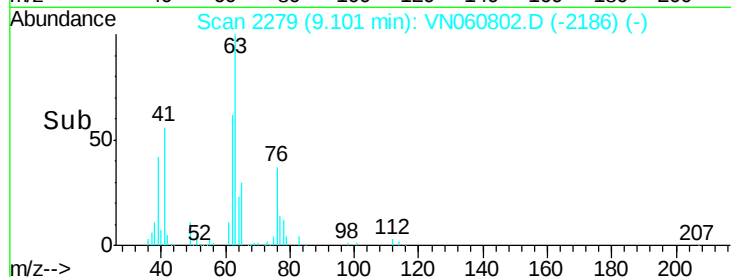
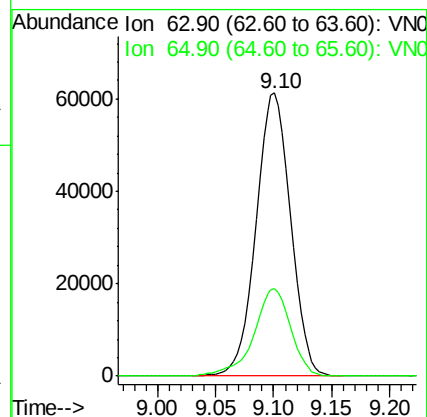
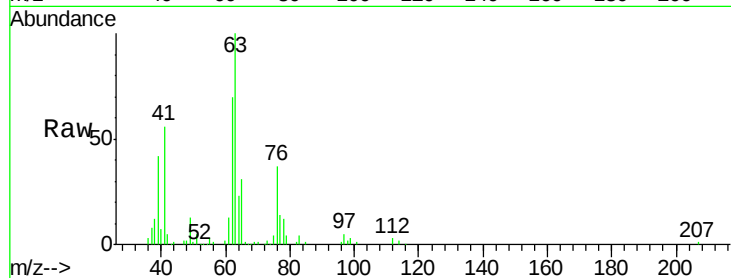
VSTDCCC050EC

Tot Ion: 63 Resp: 127318

Ion Ratio Lower Upper

63 100

65 30.8 25.4 38.0



#46

Dibromomethane

Concen: 51.487 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

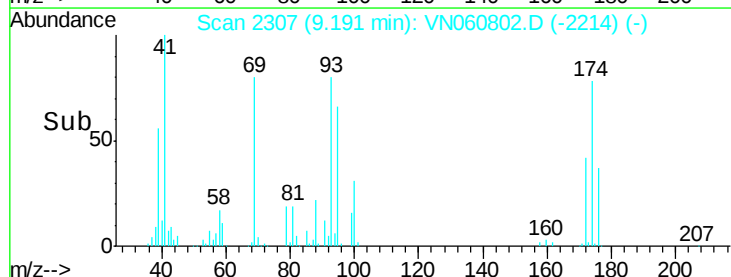
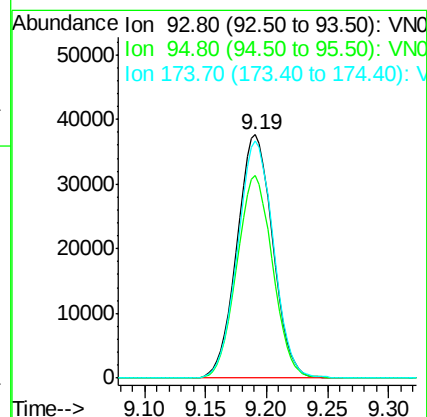
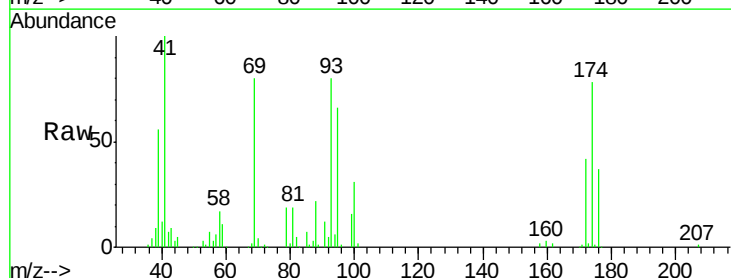
Tgt Ion: 93 Resp: 76514

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 97.5 77.9 116.9





#47

Bromodichloromethane

Concen: 51.331 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

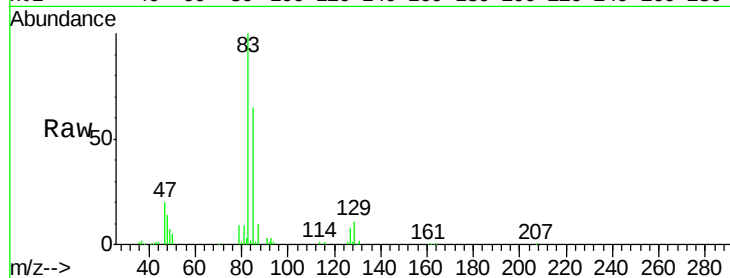
Tot Ion: 83 Resp: 158515

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.6

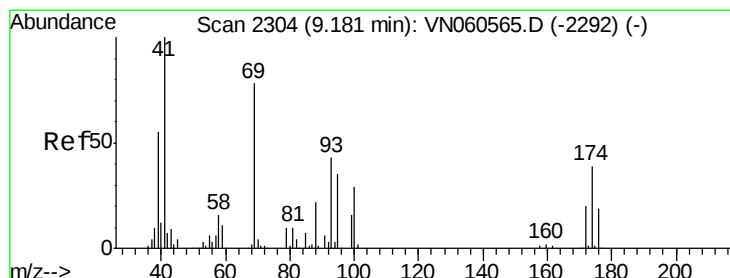
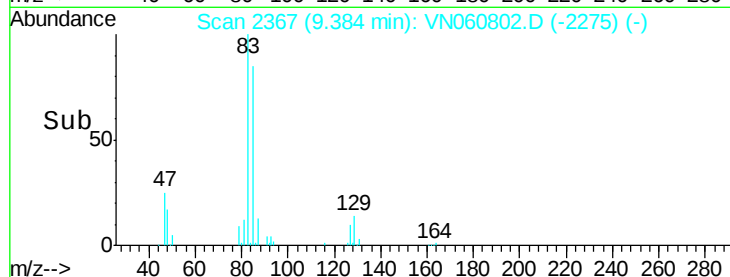
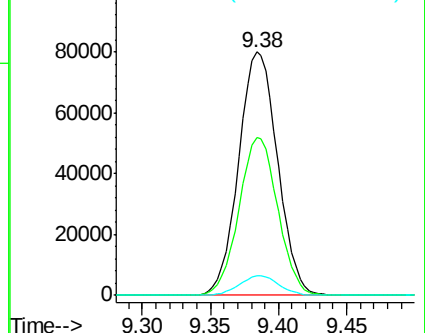
127 7.9 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060802.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060802.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060802.D (-2275) (-)



#48

Methyl methacrylate

Concen: 52.530 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

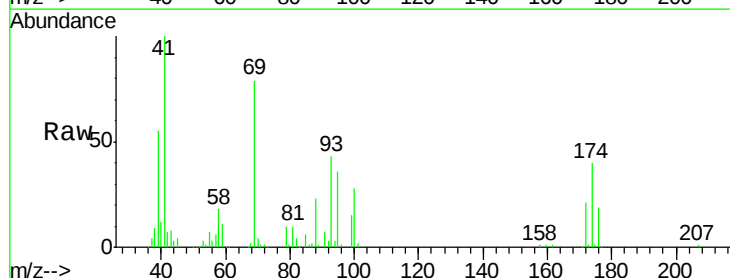
Tgt Ion: 41 Resp: 128614

Ion Ratio Lower Upper

41 100

69 81.3 65.4 98.0

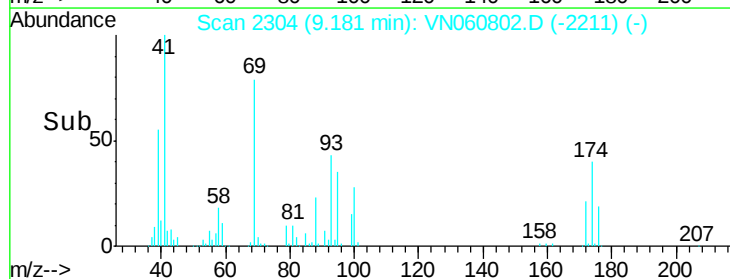
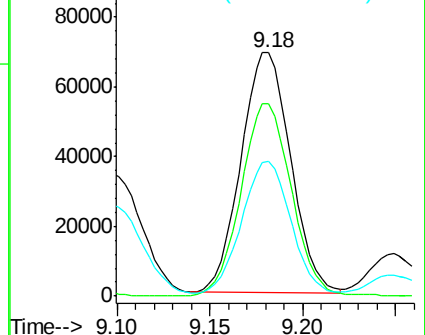
39 56.7 44.0 66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060802.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060802.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060802.D (-2211) (-)

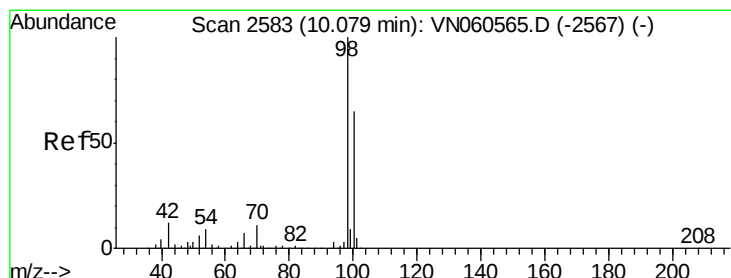
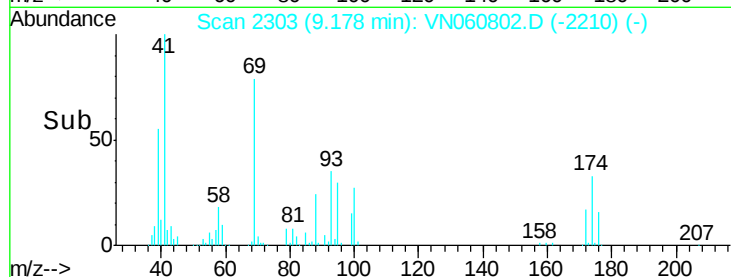
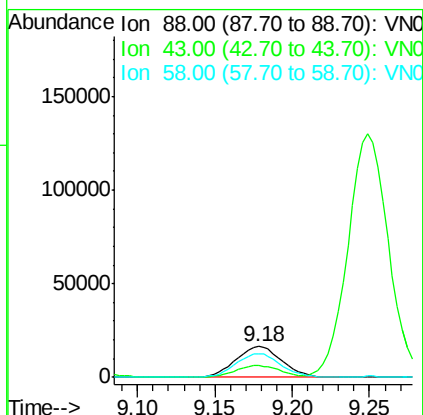
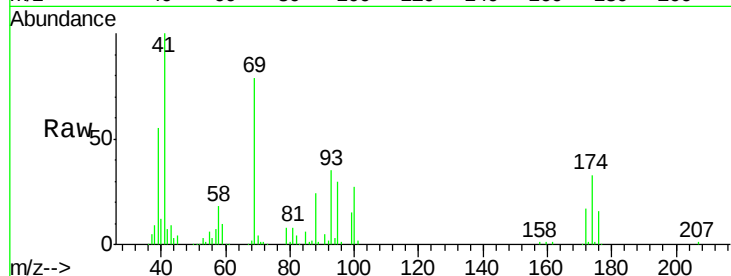




#49
1,4-Dioxane
Concen: 1166.279 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

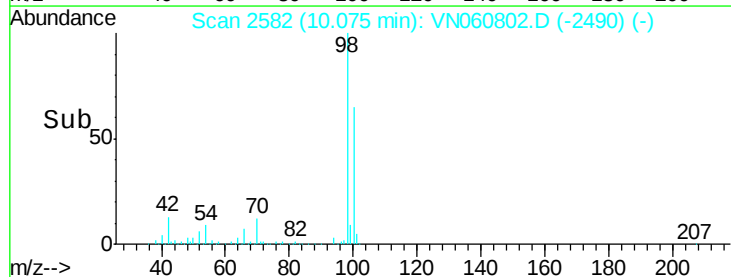
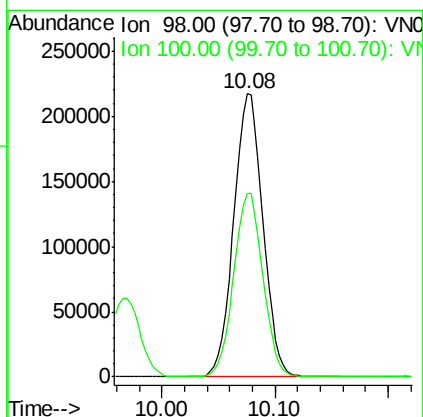
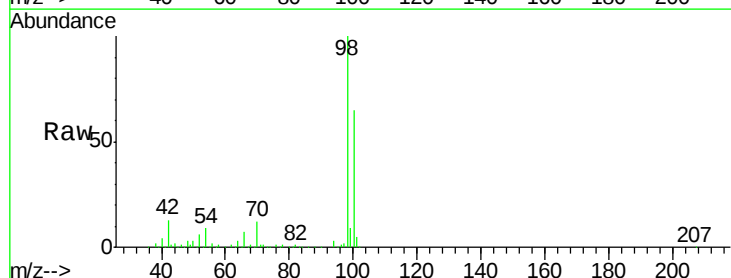
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

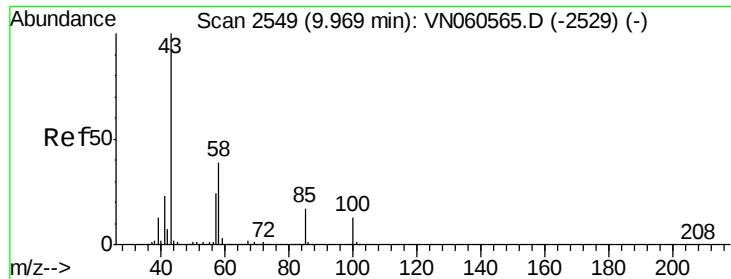
Tot Ion: 88 Resp: 33941
Ion Ratio Lower Upper
88 100
43 37.7 30.8 46.2
58 75.5 59.8 89.8



#50
Toluene-d8
Concen: 49.592 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 98 Resp: 390353
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 270.597 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

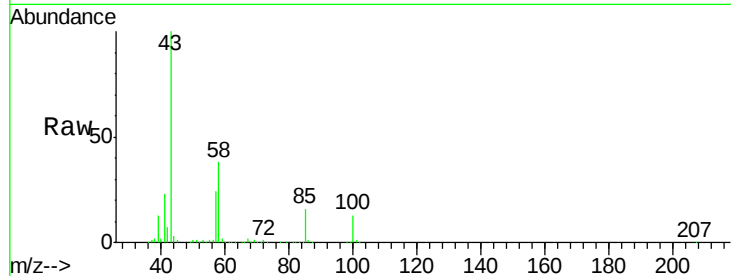
VSTDCCC050EC

Tot Ion: 43 Resp: 846771

Ion Ratio Lower Upper

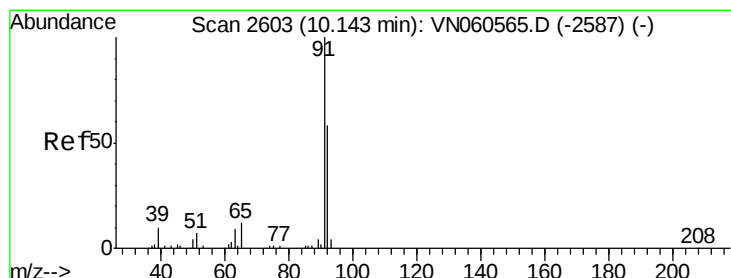
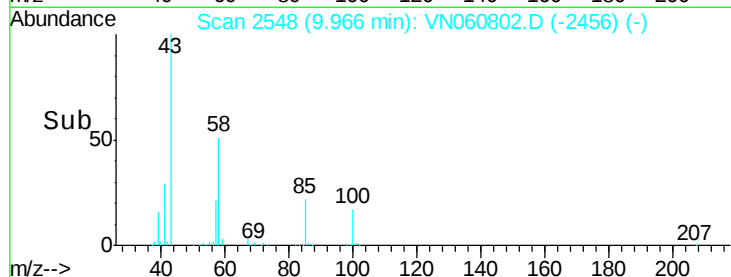
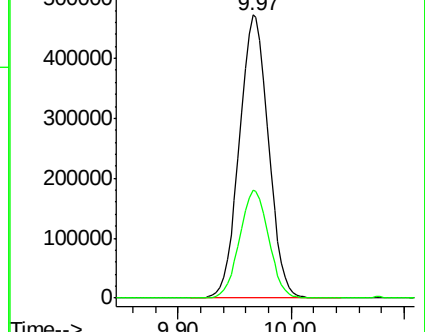
43 100

58 38.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060802.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060802.D (-2456) (-)



#52

Toluene

Concen: 49.652 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060802.D

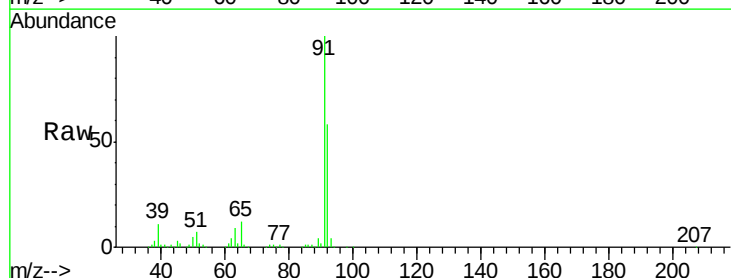
Acq: 31 Mar 2020 21:23

Tgt Ion: 92 Resp: 279349

Ion Ratio Lower Upper

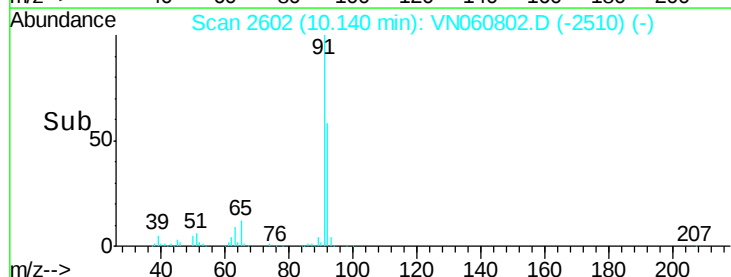
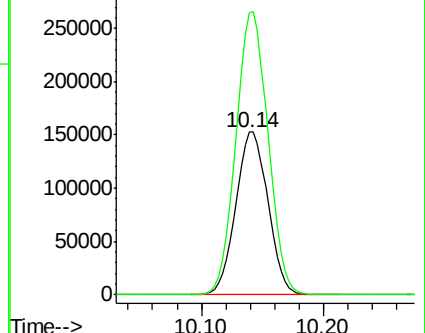
92 100

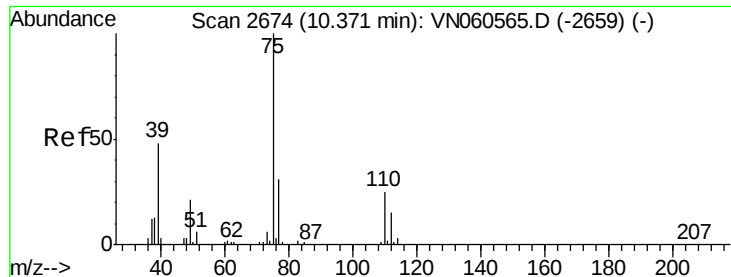
91 173.3 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060802.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060802.D (-2510) (-)





#53

t-1,3-Dichloropropene

Concen: 51.510 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

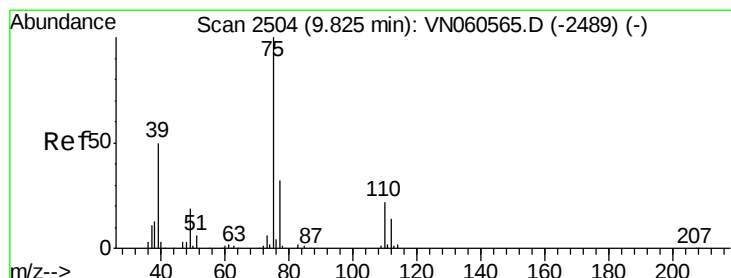
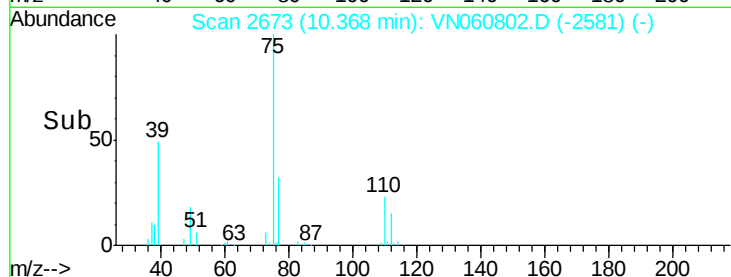
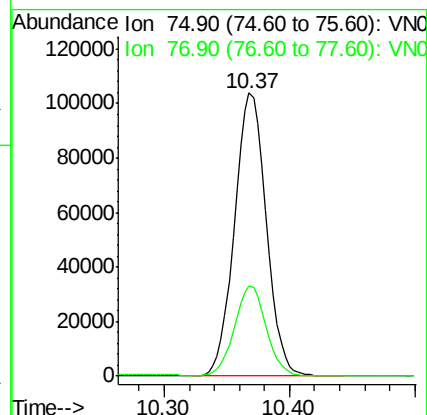
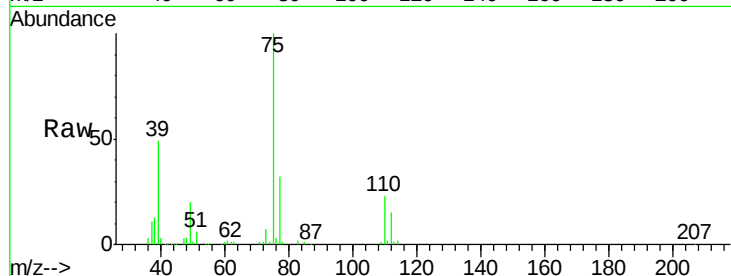
VSTDCCC050EC

Tot Ion: 75 Resp: 182718

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 50.350 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

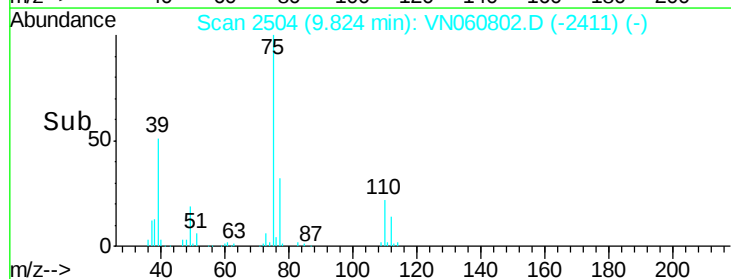
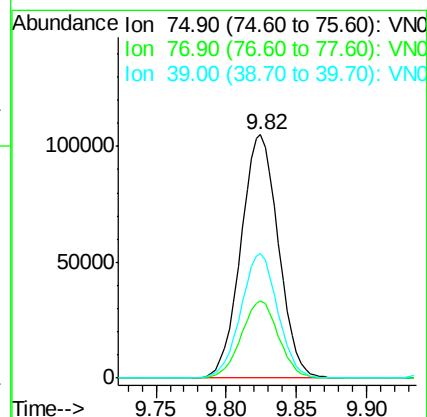
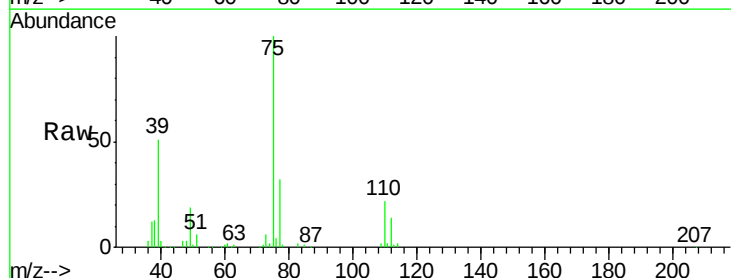
Tgt Ion: 75 Resp: 195937

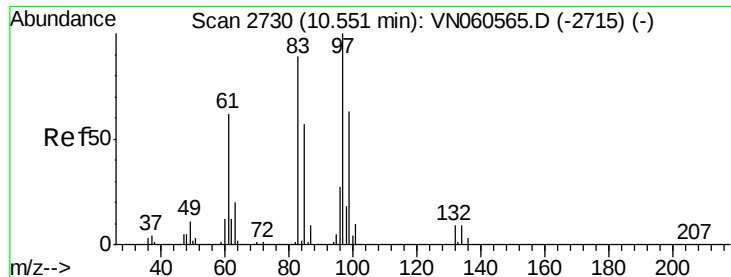
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 51.2 40.2 60.4

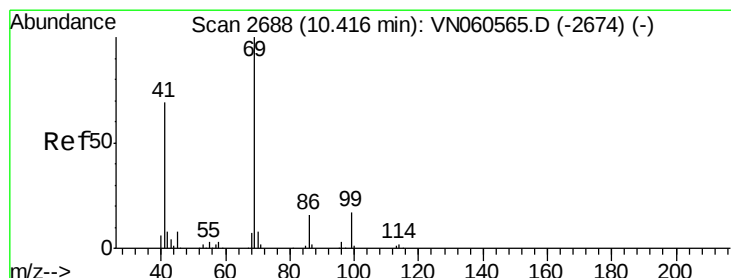
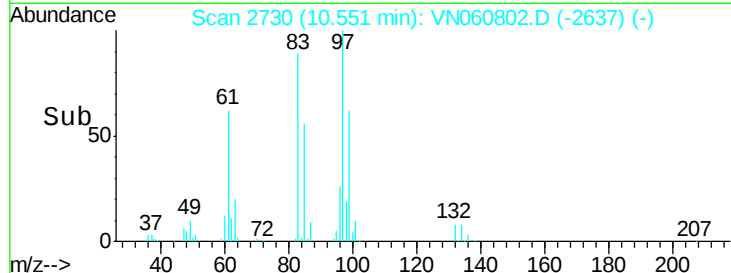
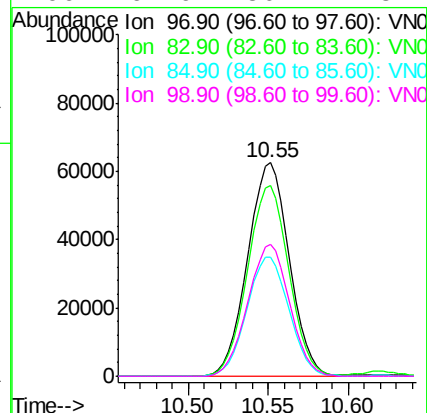
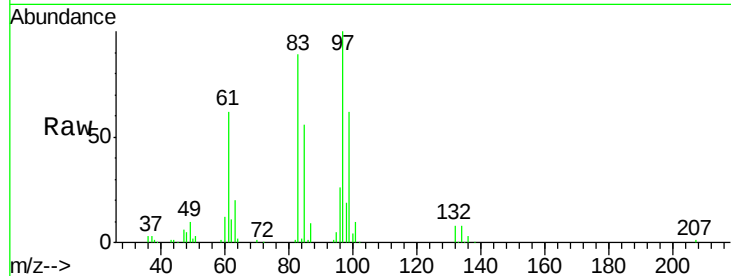




#55
 1,1,2-Trichloroethane
 Concen: 51.490 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

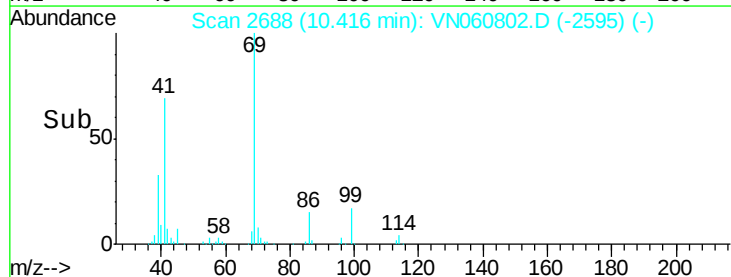
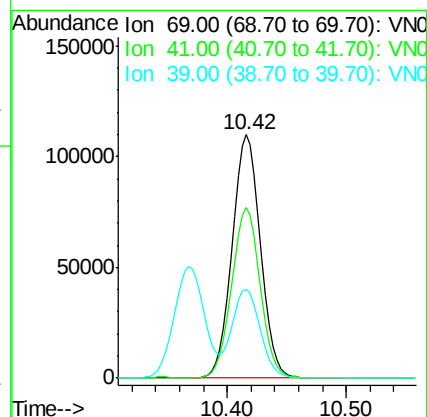
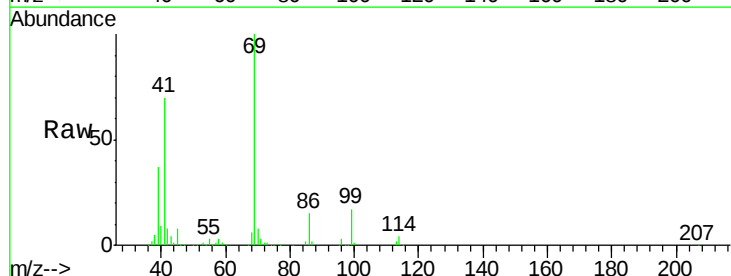
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 111448
 Ion Ratio Lower Upper
 97 100
 83 89.2 71.3 106.9
 85 55.6 45.2 67.8
 99 61.9 50.1 75.1



#56
 Ethyl methacrylate
 Concen: 53.455 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Tgt Ion: 69 Resp: 180404
 Ion Ratio Lower Upper
 69 100
 41 70.1 55.4 83.2
 39 36.4 29.4 44.0





#57

1,3-Dichloropropane

Concen: 51.633 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

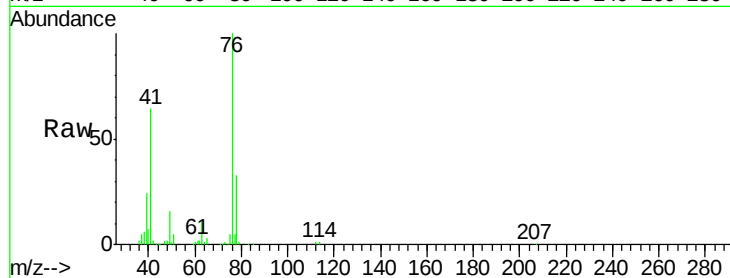
VSTDCCC050EC

Tot Ion: 76 Resp: 193932

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060802.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060802.D (-2682) (-)

10.70

120000

100000

80000

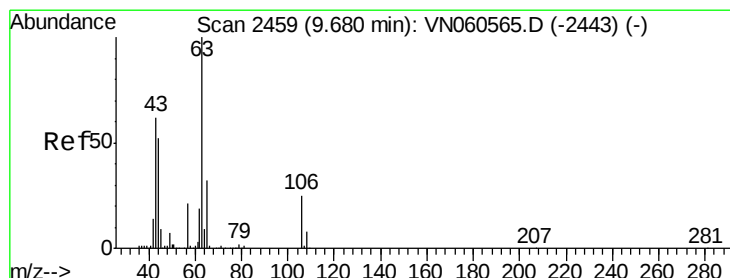
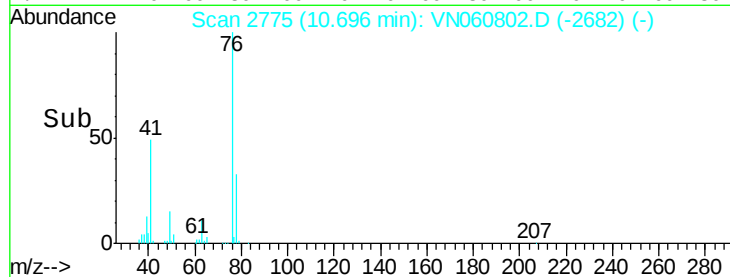
60000

40000

20000

0

Time--> 10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 249.785 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060802.D

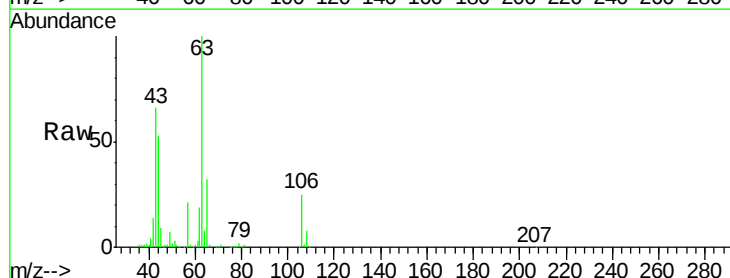
Acq: 31 Mar 2020 21:23

Tgt Ion: 63 Resp: 418977

Ion Ratio Lower Upper

63 100

106 24.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060802.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060802.D (-2366) (-)

9.68

250000

200000

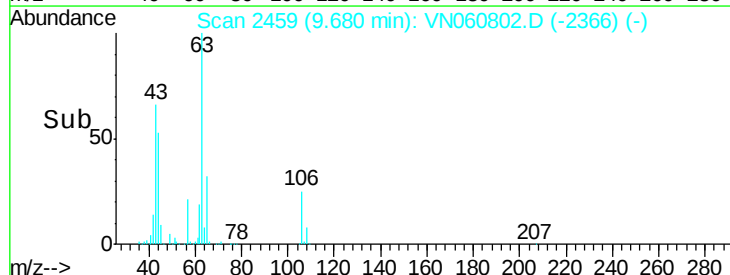
150000

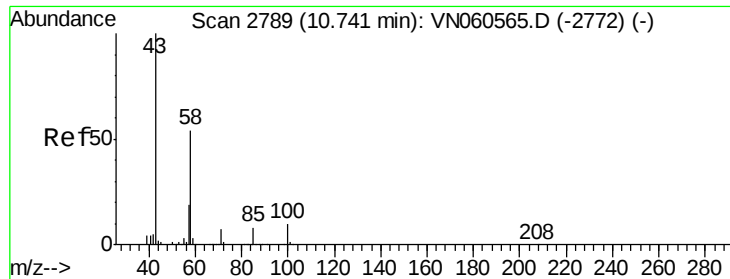
100000

50000

0

Time--> 9.60 9.70 9.80

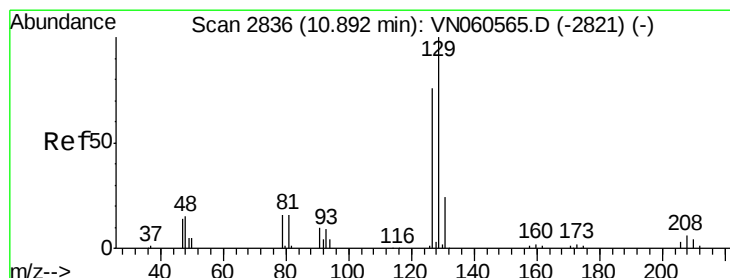
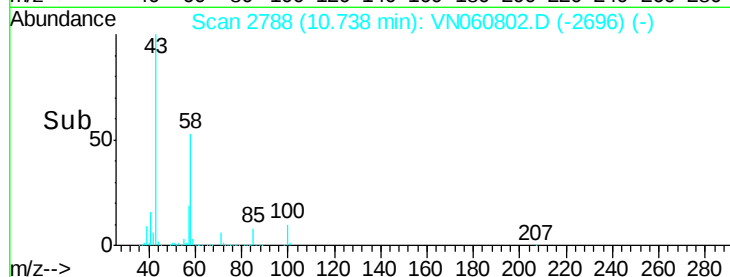
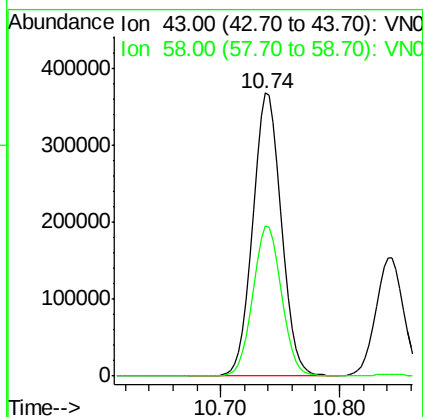
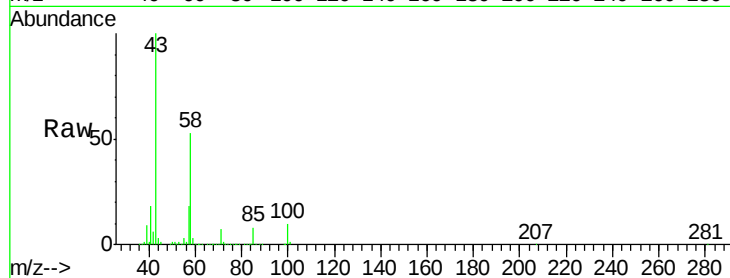




#59
2-Hexanone
Concen: 270.814 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

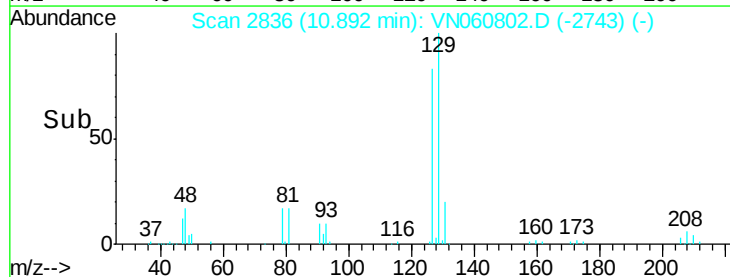
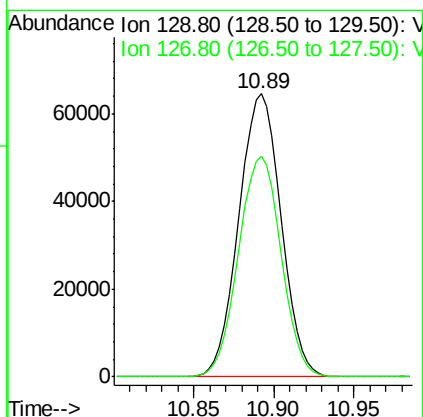
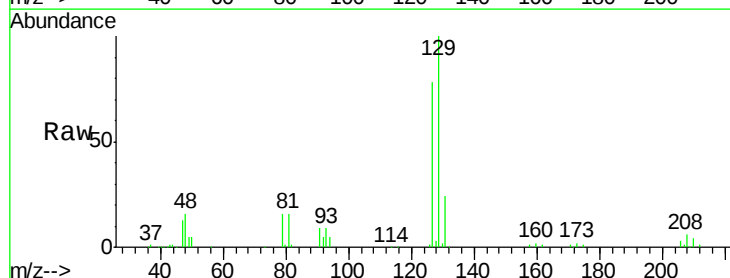
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

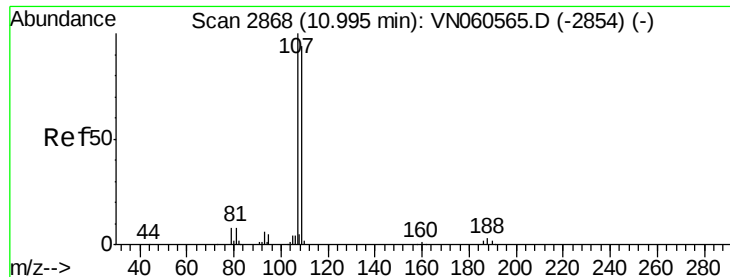
Tot Ion: 43 Resp: 610463
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1



#60
Dibromochloromethane
Concen: 52.206 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 129 Resp: 116721
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5

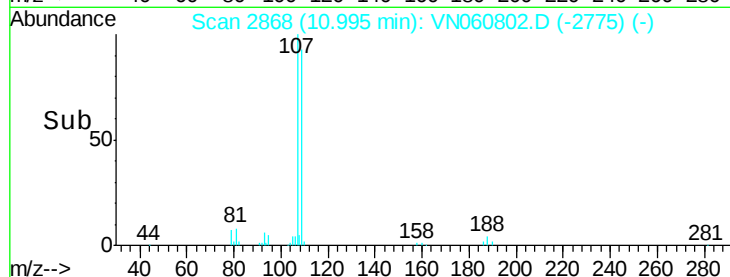
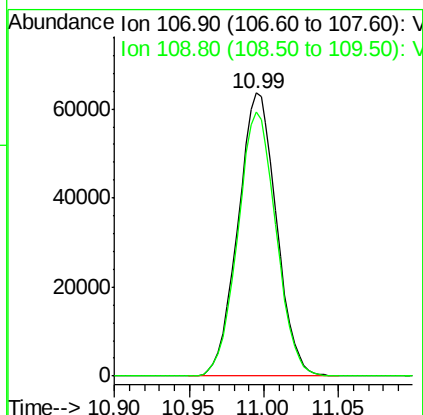
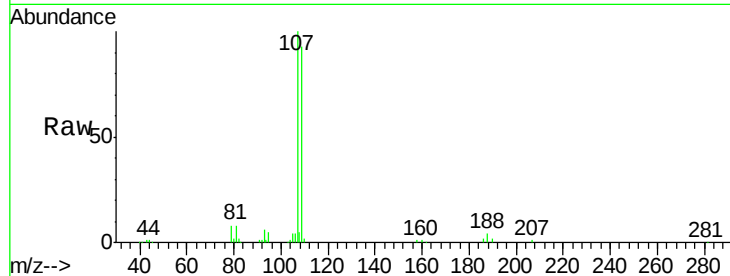




#61
 1,2-Dibromoethane
 Concen: 52.112 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

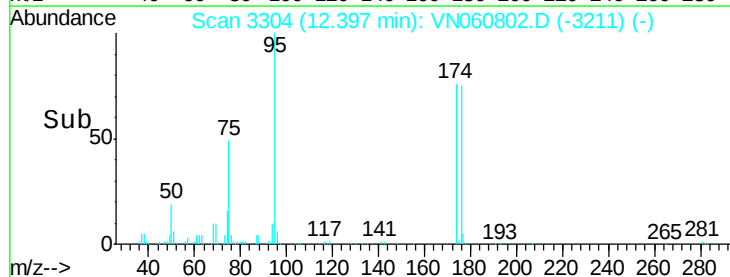
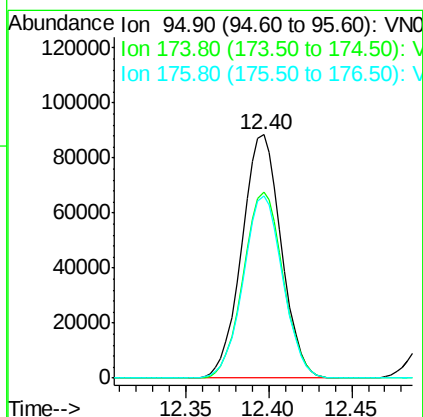
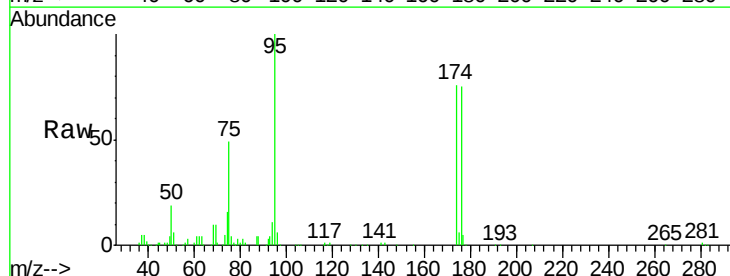
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 113419
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.597 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Tgt Ion: 95 Resp: 145957
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 157.6
 176 75.2 0.0 150.6

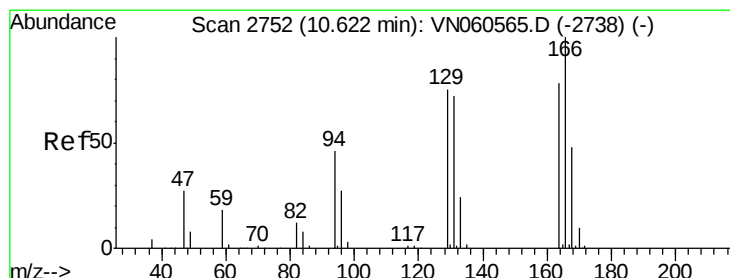
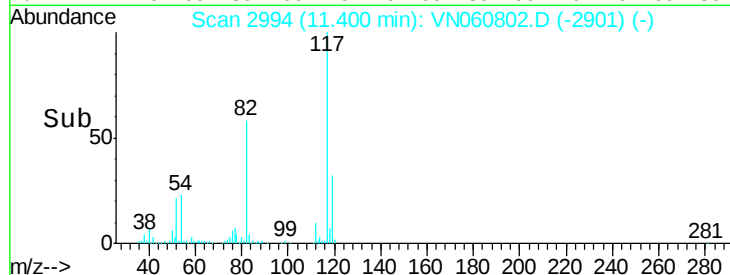
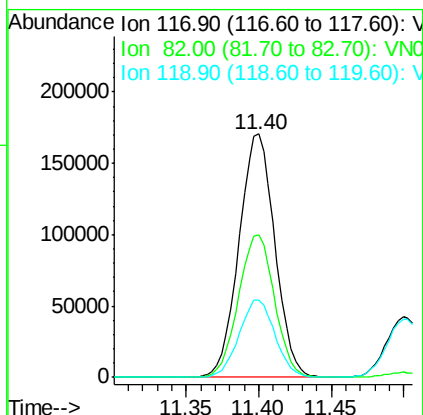
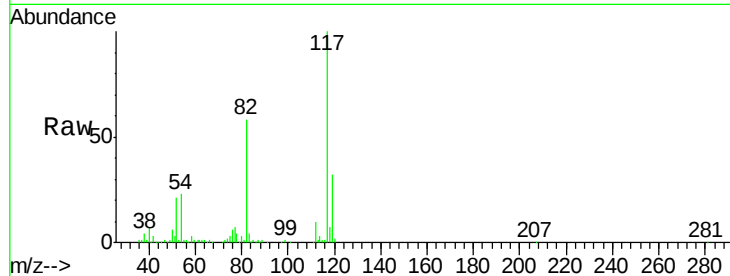




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

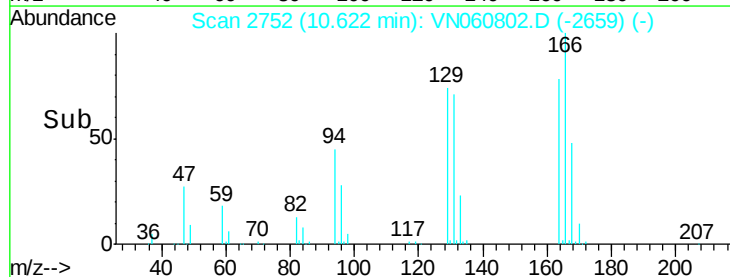
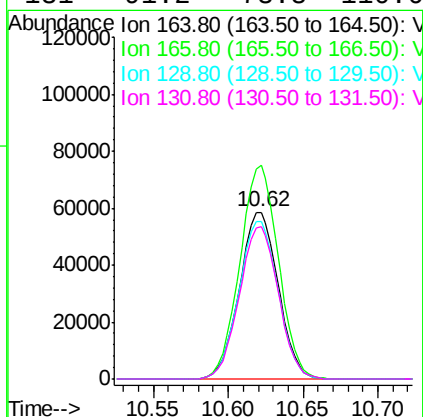
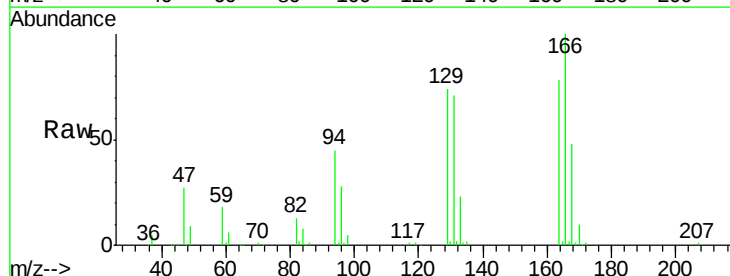
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 293290
Ion Ratio Lower Upper
117 100
82 58.4 46.7 70.1
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 45.814 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion:164 Resp: 105737
Ion Ratio Lower Upper
164 100
166 127.9 102.7 154.1
129 94.3 77.2 115.8
131 91.2 73.8 110.6





#65

Chlorobenzene

Concen: 49.513 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

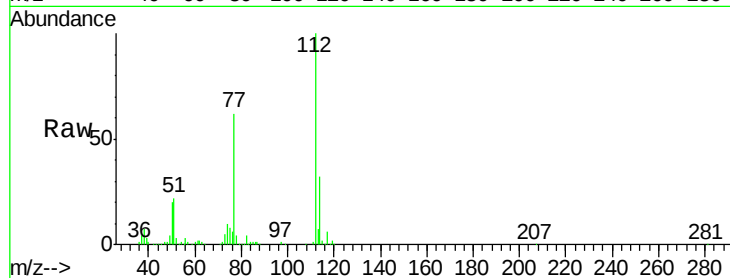
VSTDCCC050EC

Tot Ion:112 Resp: 287876

Ion Ratio Lower Upper

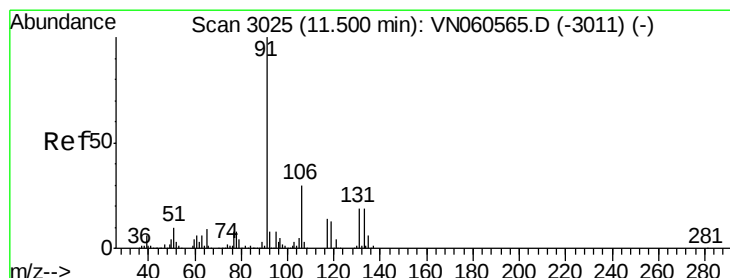
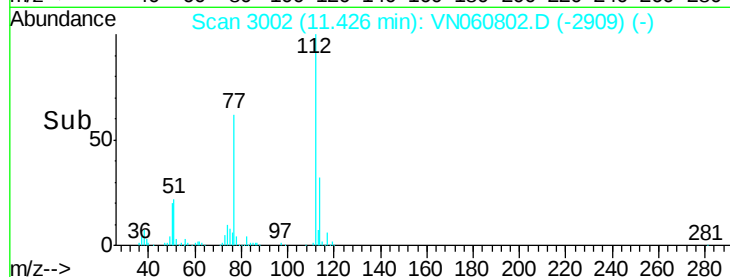
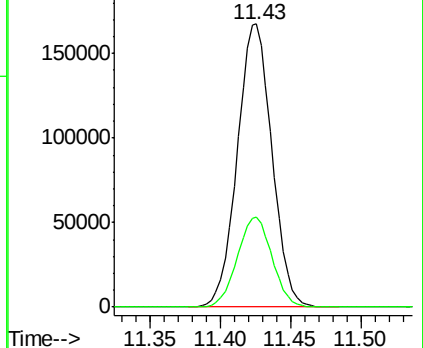
112 100

114 31.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.463 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

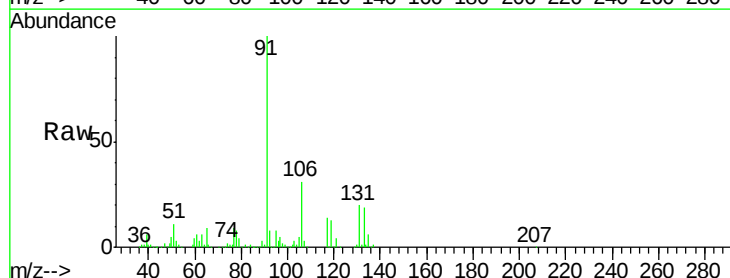
Tgt Ion:131 Resp: 106231

Ion Ratio Lower Upper

131 100

133 95.6 48.9 146.8

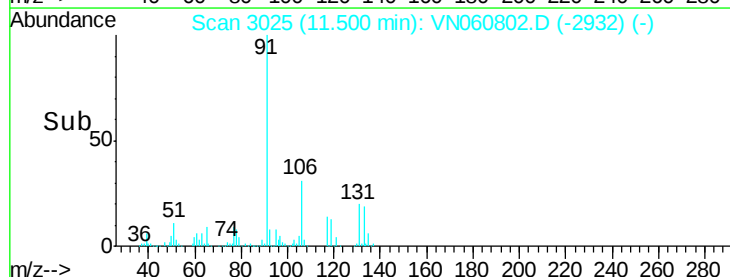
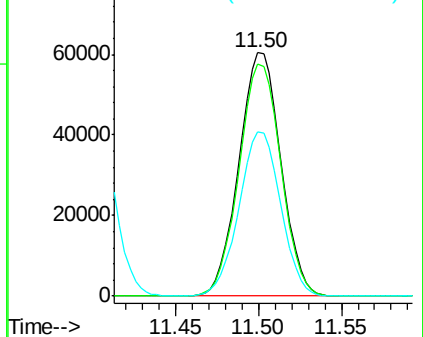
119 67.1 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

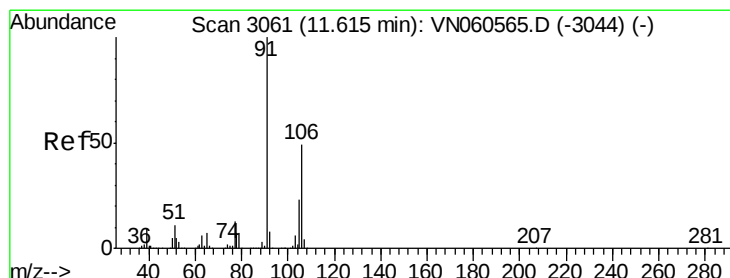
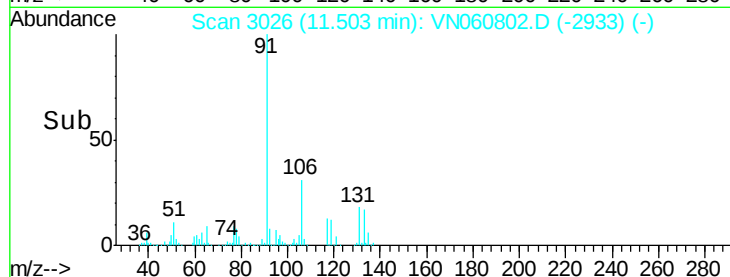
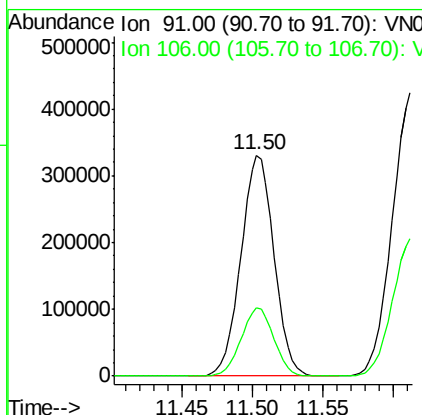
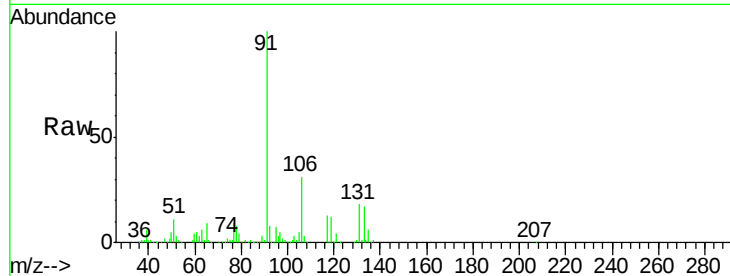




#67
Ethyl Benzene
Concen: 50.169 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

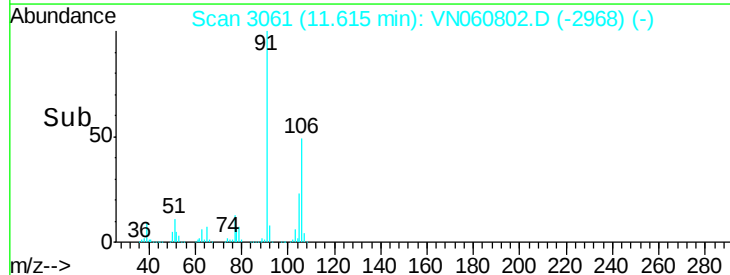
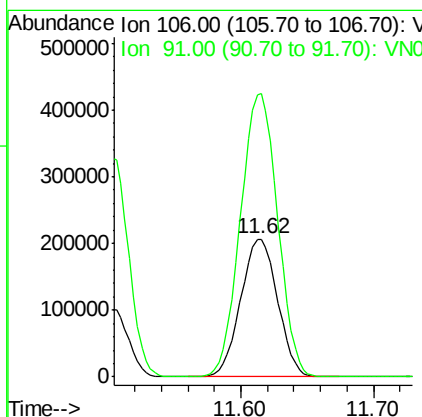
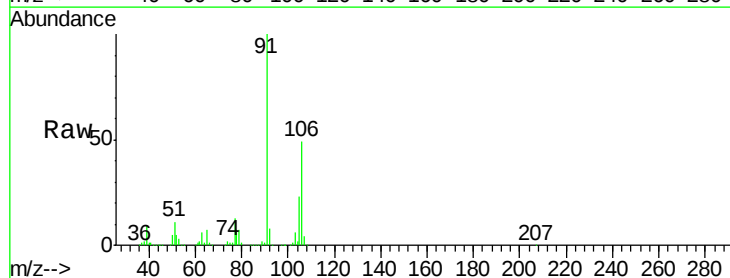
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 542445
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.2



#68
m/p-Xylenes
Concen: 99.481 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 106 Resp: 399706
Ion Ratio Lower Upper
106 100
91 206.8 165.0 247.4

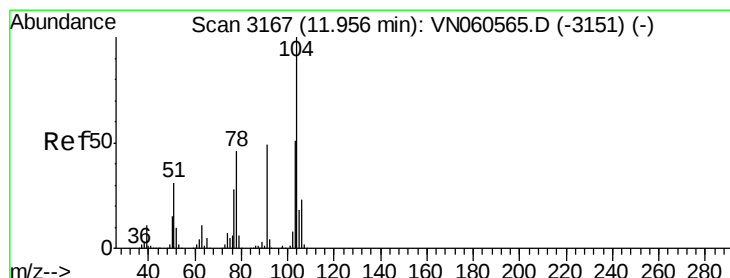
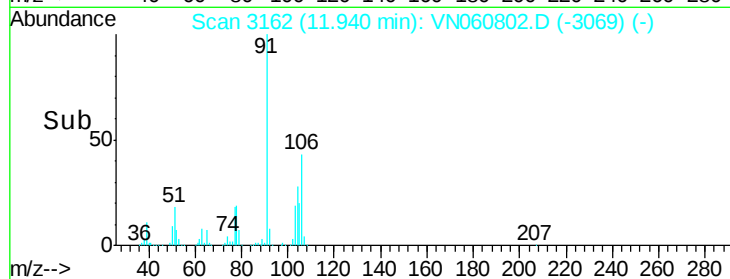
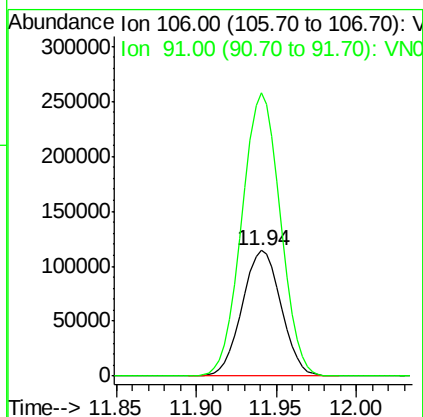
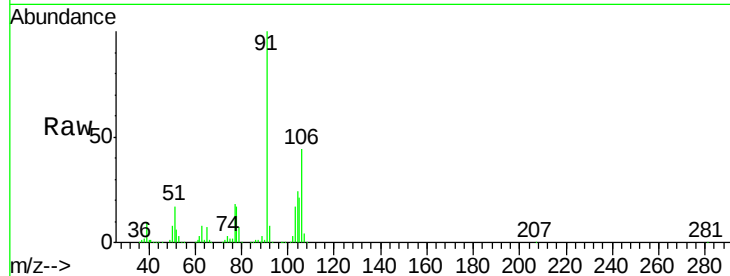




#69
o-Xylene
Concen: 49.584 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

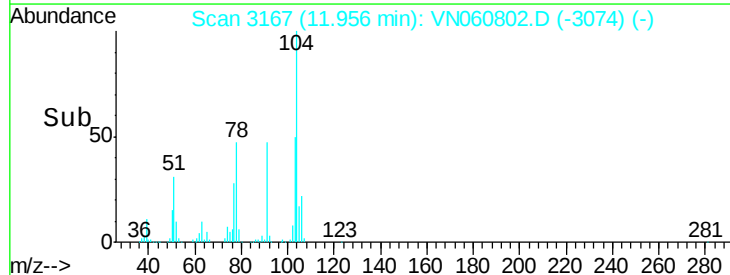
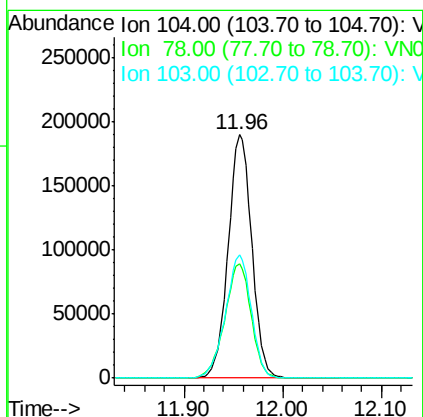
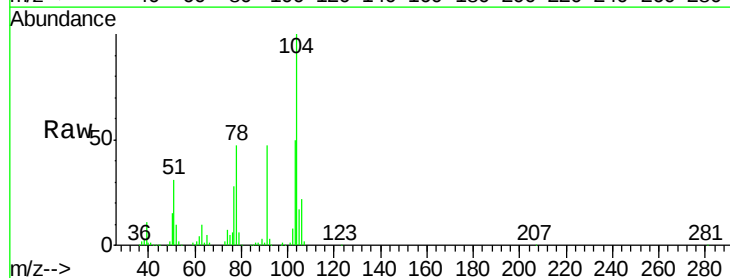
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

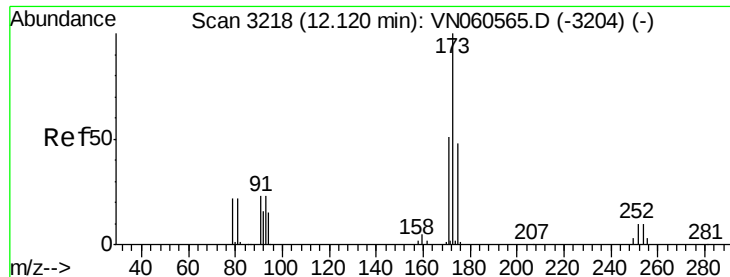
Tot Ion:106 Resp: 190183
Ion Ratio Lower Upper
106 100
91 222.7 109.5 328.4



#70
Styrene
Concen: 50.752 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion:104 Resp: 318373
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.3 44.0 66.0





#71

Bromoform

Concen: 48.835 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

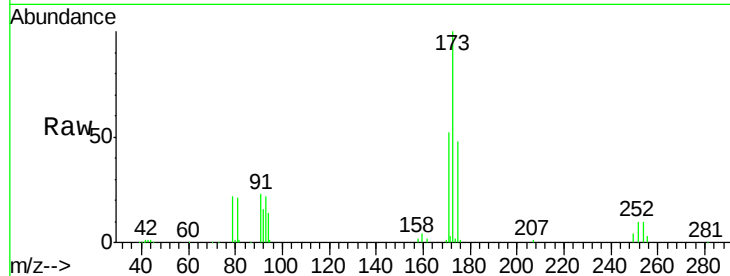
Tot Ion:173 Resp: 85372

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.4

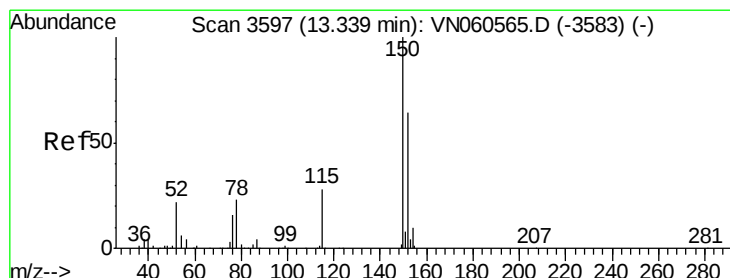
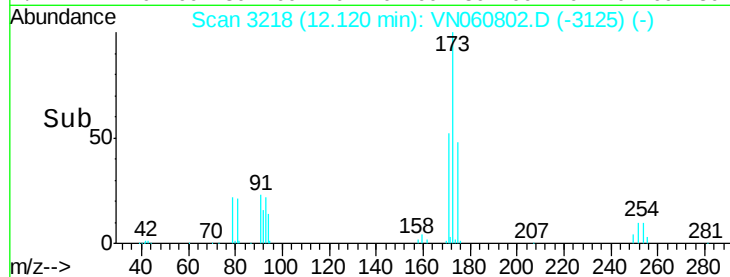
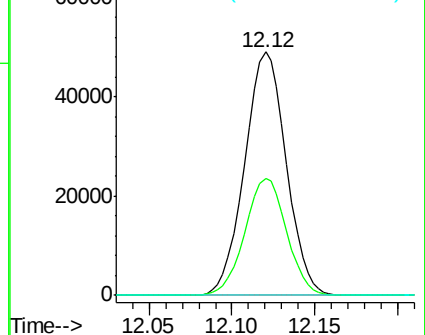
254 0.0 0.0 0.0



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: VN060802.D

Acq: 31 Mar 2020 21:23

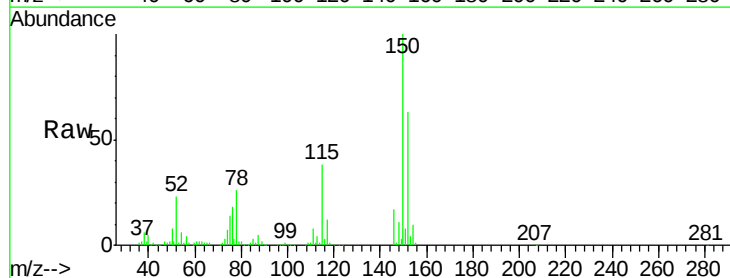
Tgt Ion:152 Resp: 143384

Ion Ratio Lower Upper

152 100

115 60.4 30.2 90.6

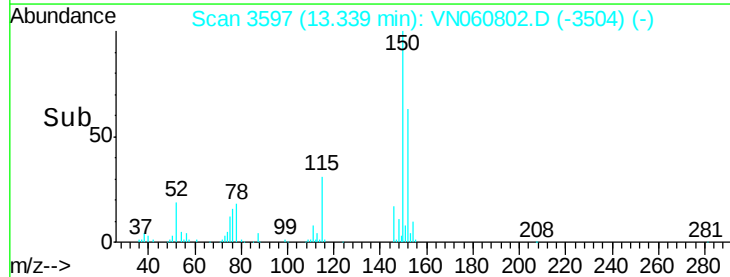
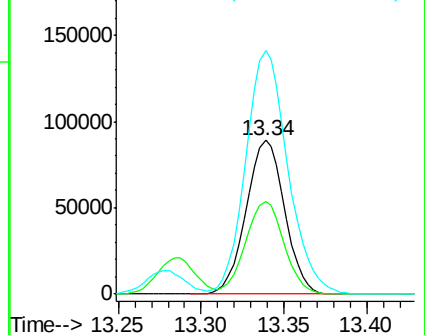
150 174.0 0.0 350.2



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: 47.919 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

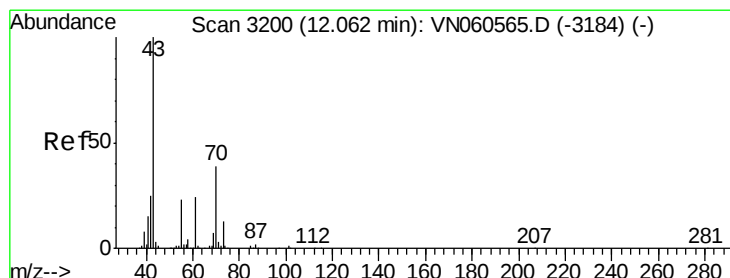
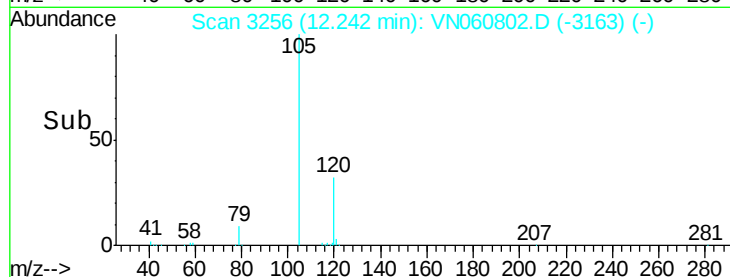
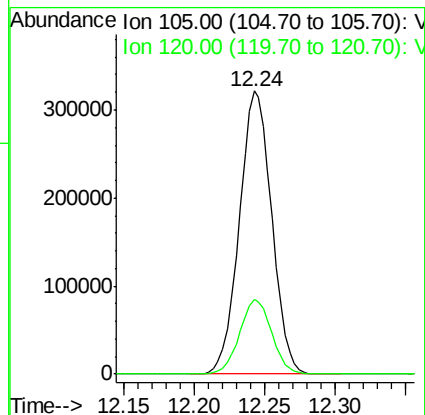
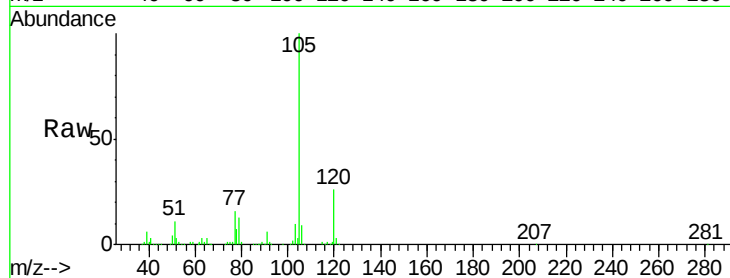
VSTDCCC050EC

Tot Ion:105 Resp: 515632

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1



#74

N-ethyl acetate

Concen: 49.801 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Tgt Ion: 43 Resp: 247623

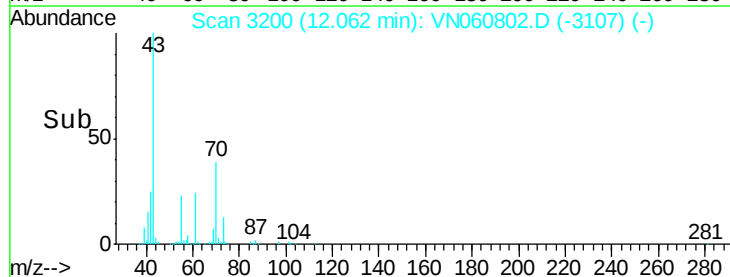
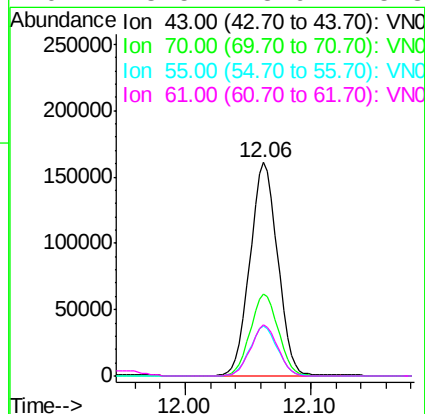
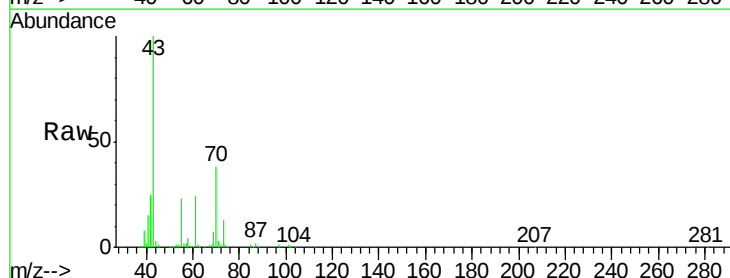
Ion Ratio Lower Upper

43 100

70 38.9 31.1 46.7

55 23.3 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.694 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

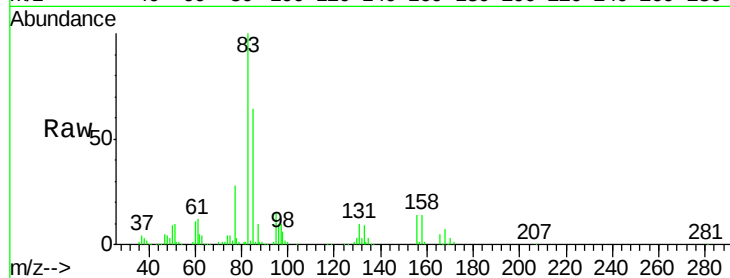
Tot Ion: 83 Resp: 164960

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

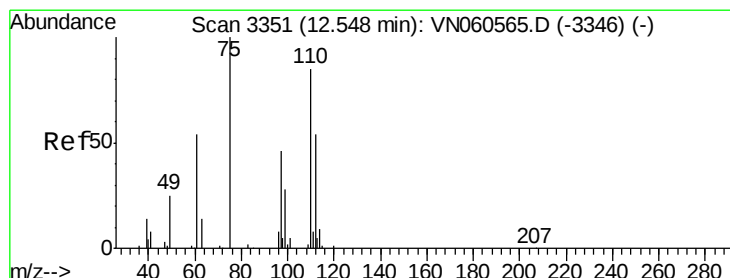
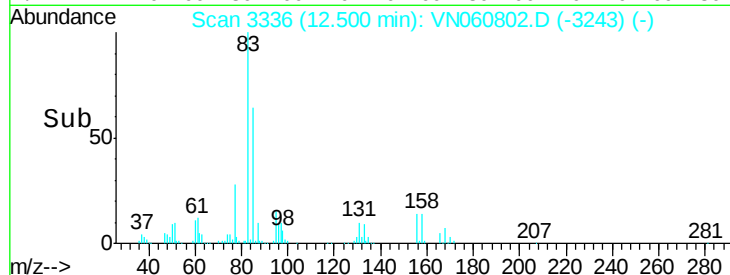
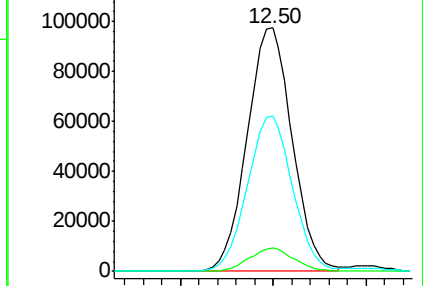
85 63.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN060802.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060802.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060802.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 46.849 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060802.D

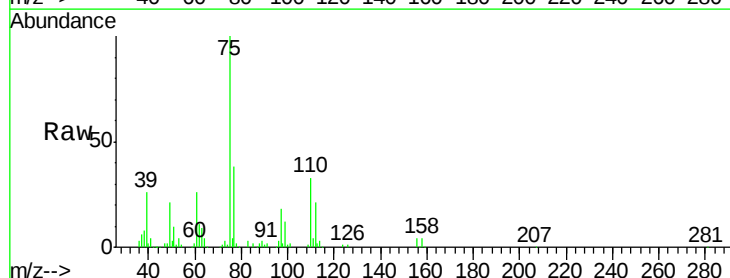
Acq: 31 Mar 2020 21:23

Tgt Ion: 75 Resp: 144947

Ion Ratio Lower Upper

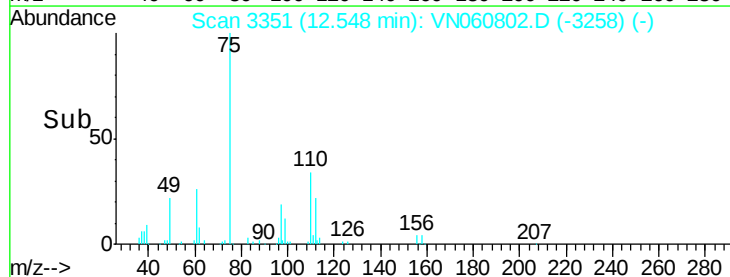
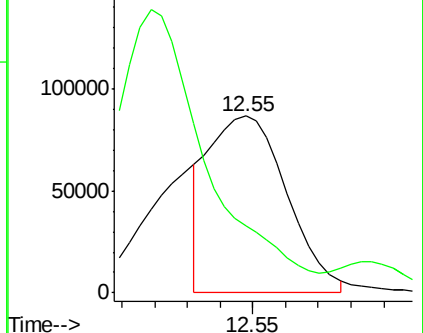
75 100

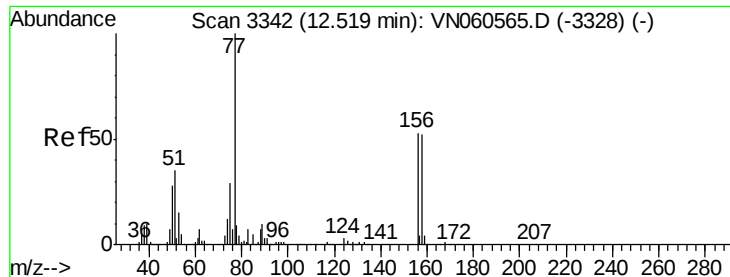
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060802.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060802.D (-3258) (-)





#77

Bromobenzene

Concen: 47.749 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

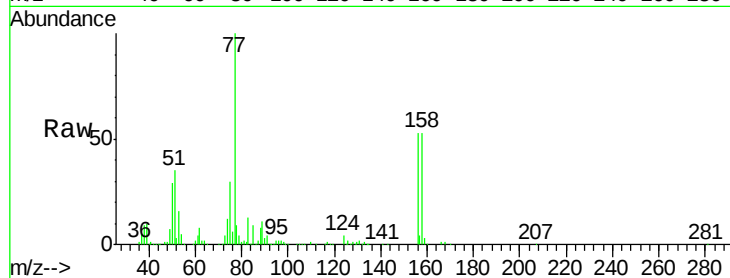
Tot Ion:156 Resp: 123807

Ion Ratio Lower Upper

156 100

77 224.6 112.3 337.0

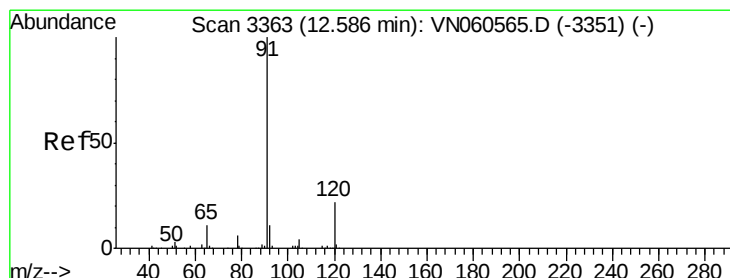
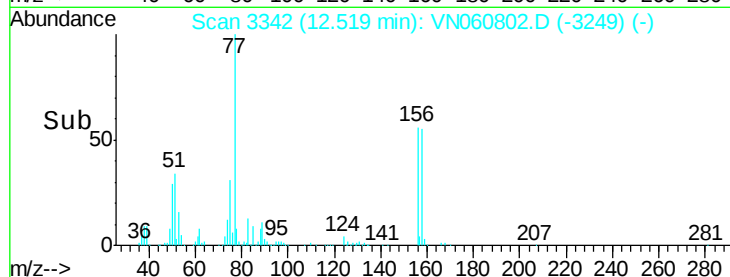
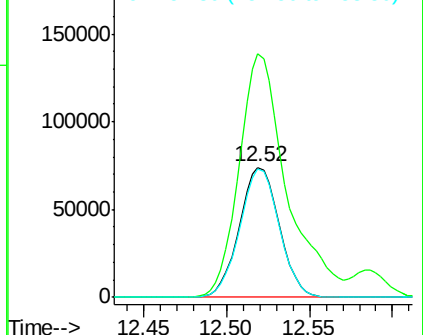
158 97.7 48.6 145.8



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: 48.347 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060802.D

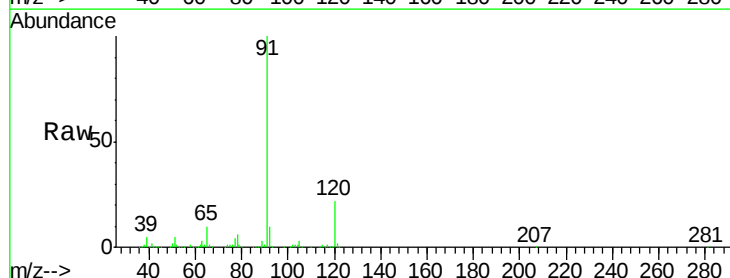
Acq: 31 Mar 2020 21:23

Tgt Ion: 91 Resp: 614628

Ion Ratio Lower Upper

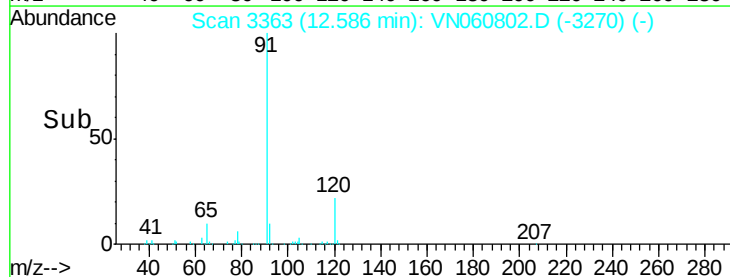
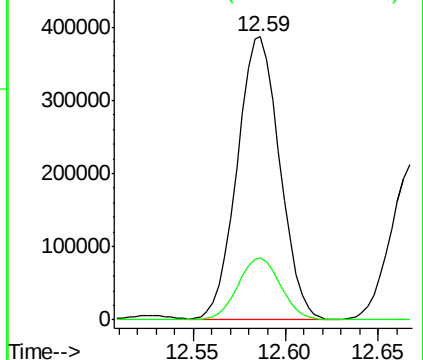
91 100

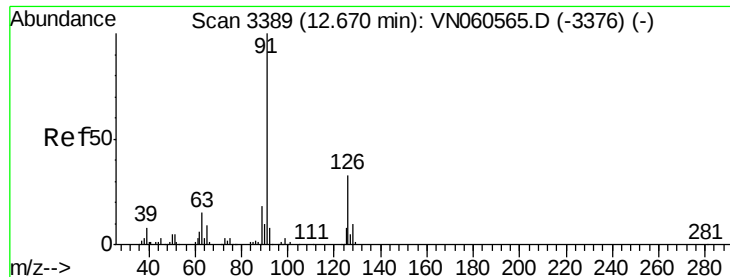
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.869 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

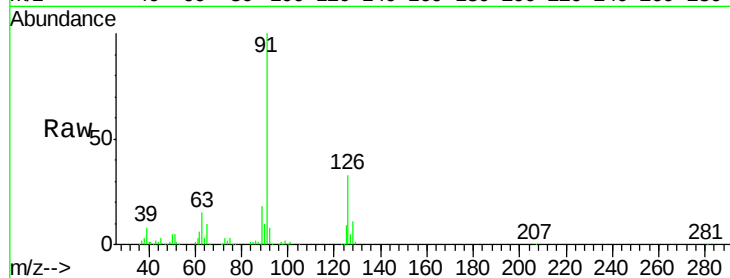
VSTDCCC050EC

Tot Ion: 91 Resp: 356013

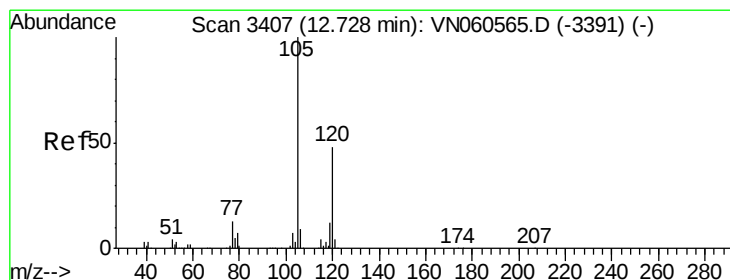
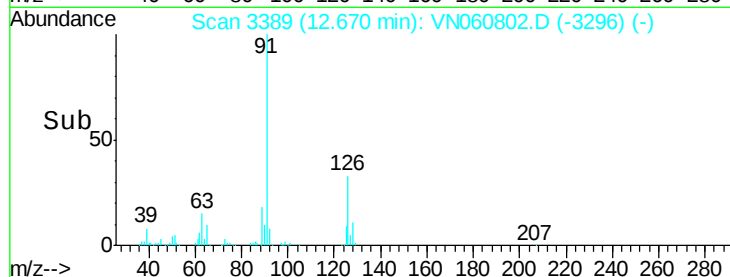
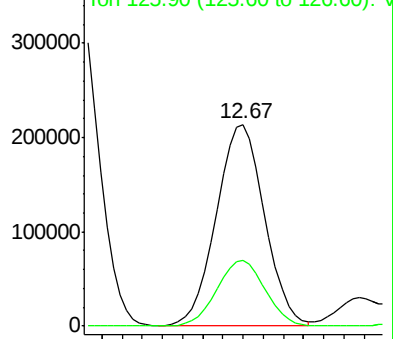
Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060802.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.212 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060802.D

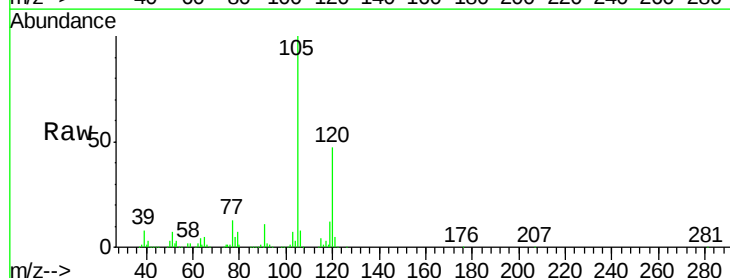
Acq: 31 Mar 2020 21:23

Tgt Ion: 105 Resp: 440254

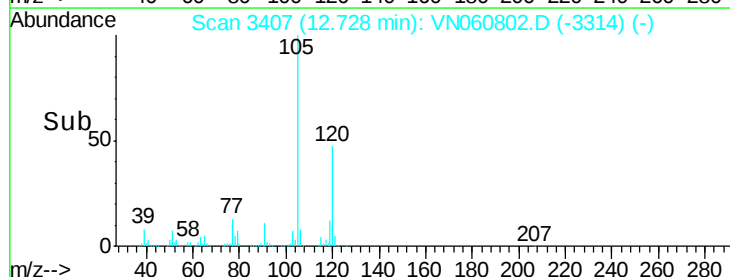
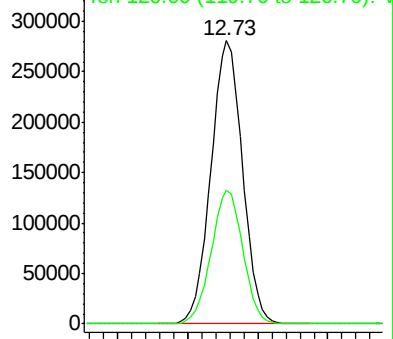
Ion Ratio Lower Upper

105 100

120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060802.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.512 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

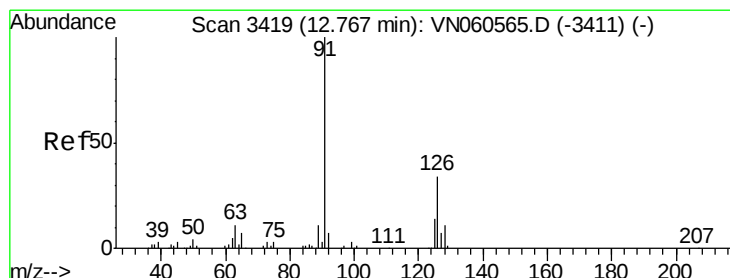
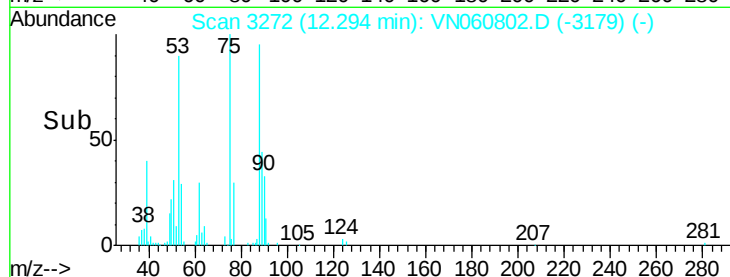
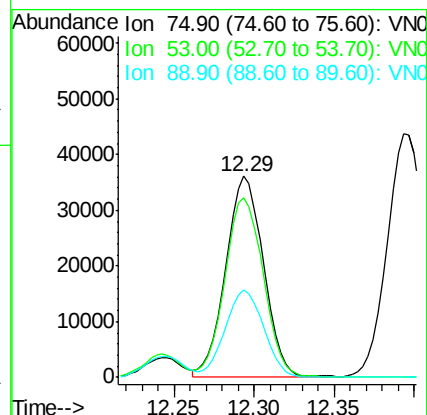
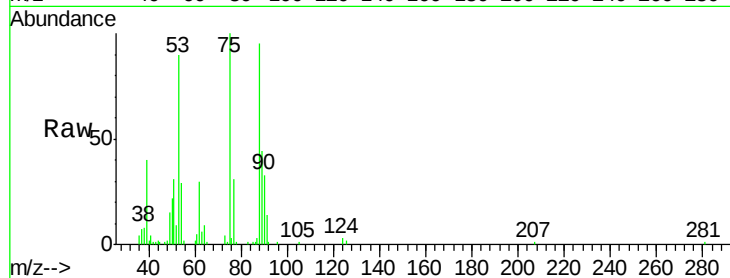
Tot Ion: 75 Resp: 58441

Ion Ratio Lower Upper

75 100

53 91.3 73.0 109.4

89 44.2 34.8 52.2



#82

4-Chlorotoluene

Concen: 48.379 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060802.D

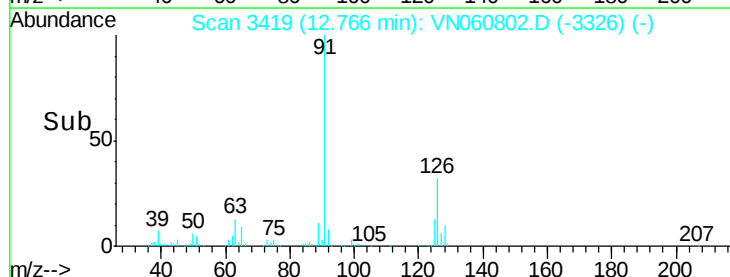
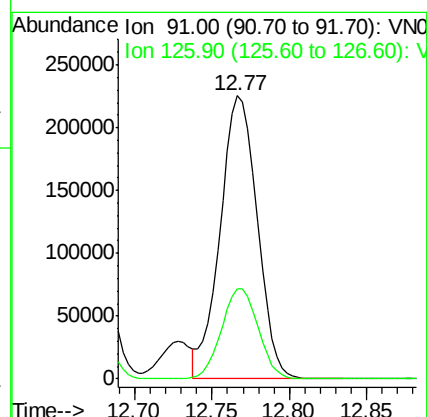
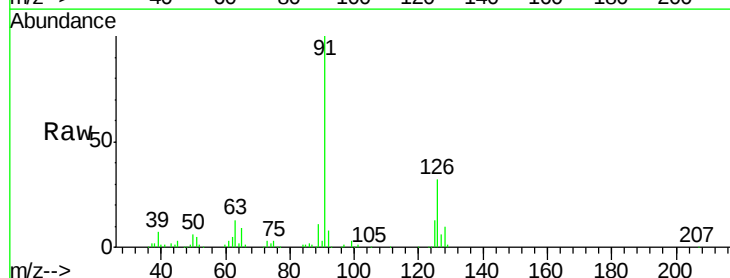
Acq: 31 Mar 2020 21:23

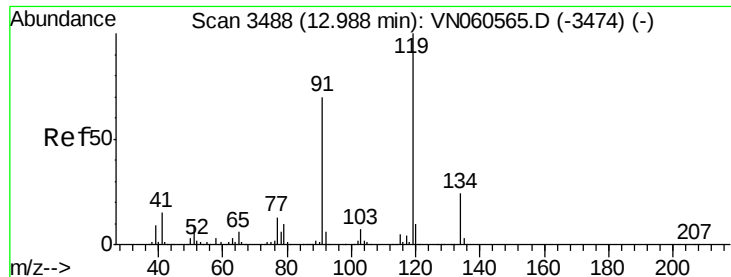
Tgt Ion: 91 Resp: 374272

Ion Ratio Lower Upper

91 100

126 31.6 16.2 48.5

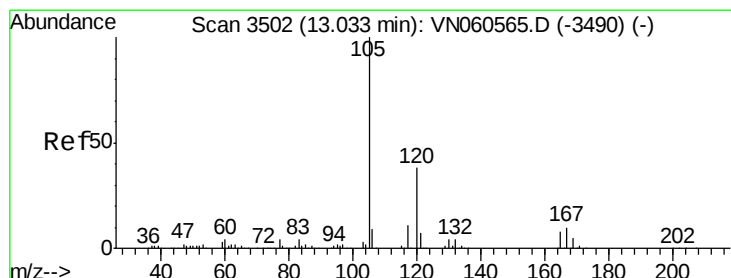
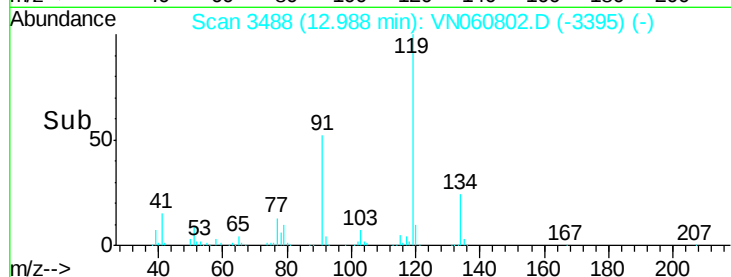
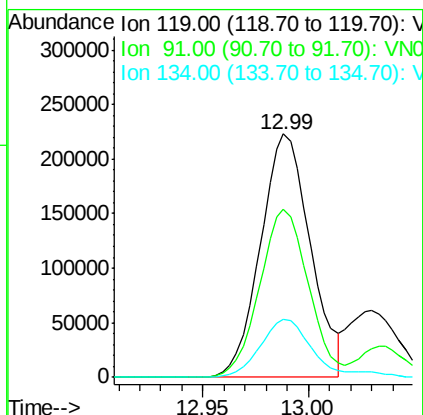
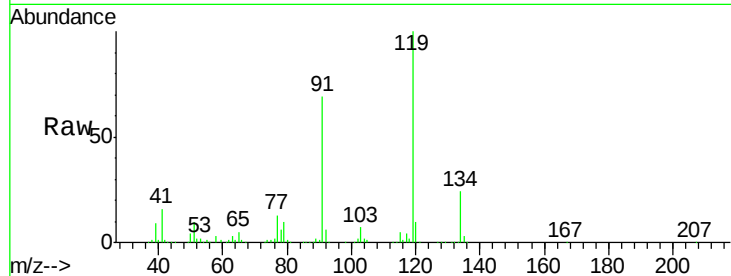




#83
tert-Butylbenzene
Concen: 48.613 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

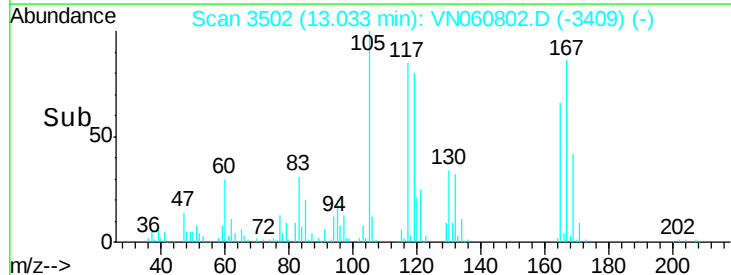
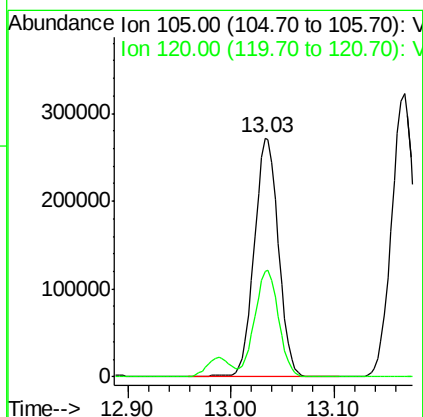
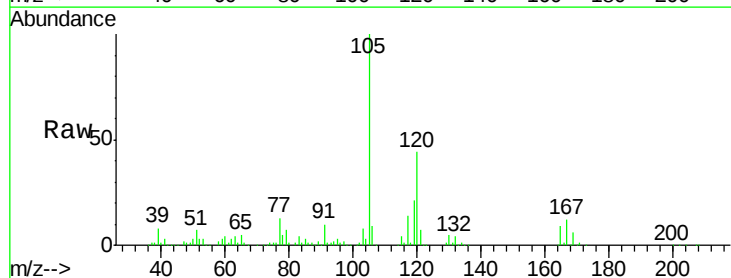
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

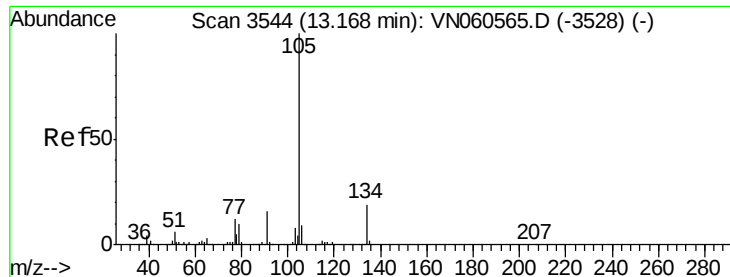
Tot Ion:119 Resp: 367988
Ion Ratio Lower Upper
119 100
91 67.6 34.0 101.8
134 25.3 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 48.707 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion:105 Resp: 440012
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 49.366 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

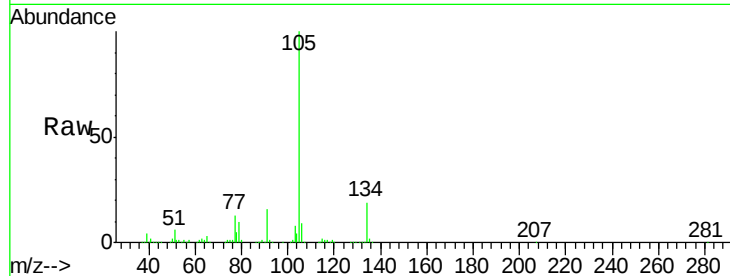
VSTDCCC050EC

Tot Ion:105 Resp: 502507

Ion Ratio Lower Upper

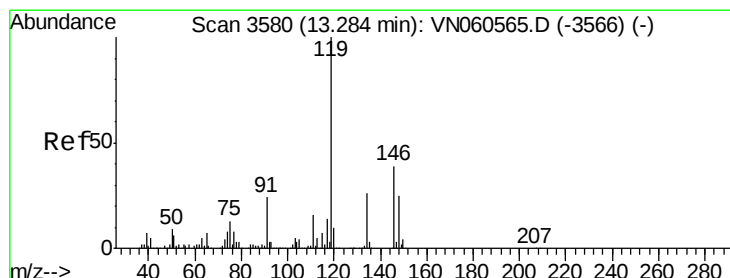
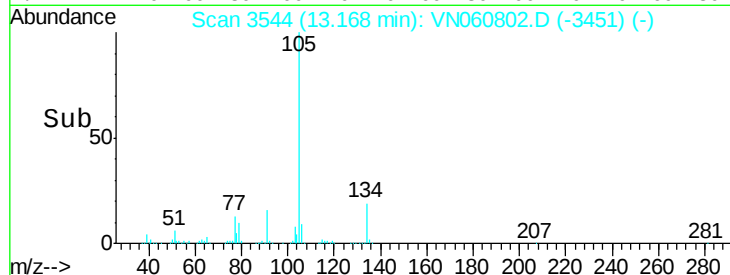
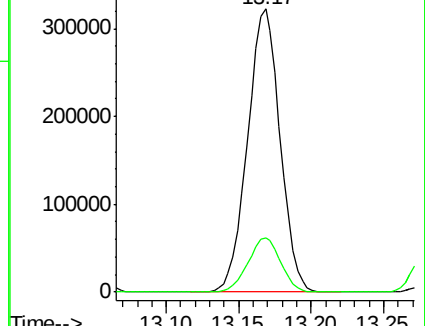
105 100

134 19.3 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: 49.518 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

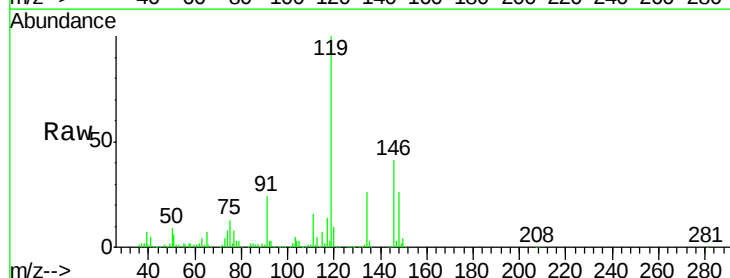
Tgt Ion:119 Resp: 453258

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

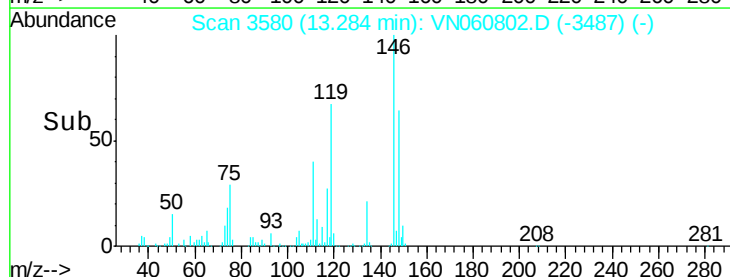
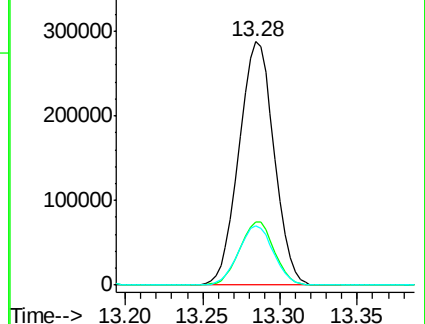
91 24.5 12.0 36.0



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

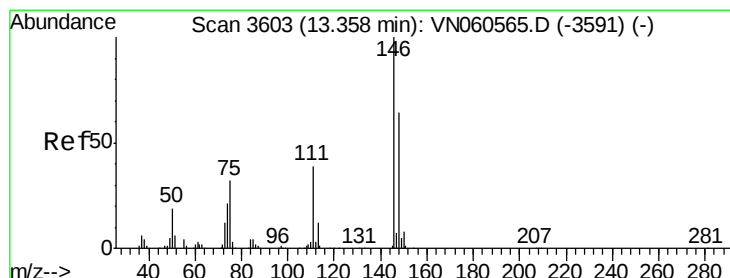
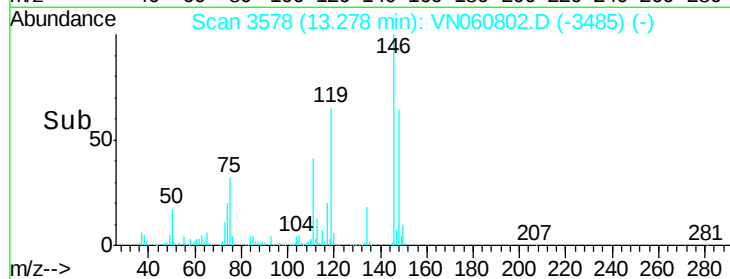
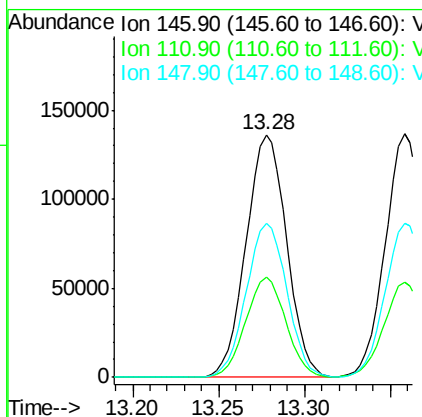
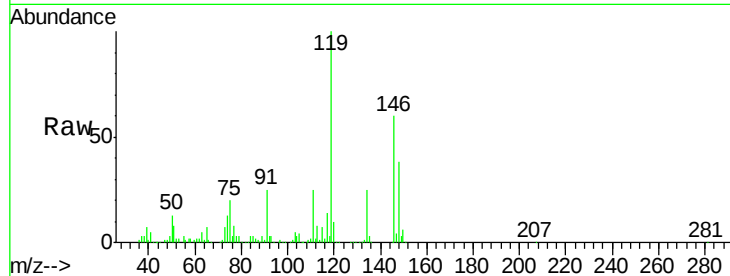




#87
 1,3-Dichlorobenzene
 Concen: 48.874 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

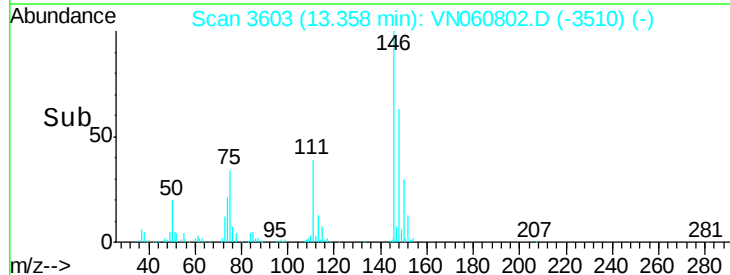
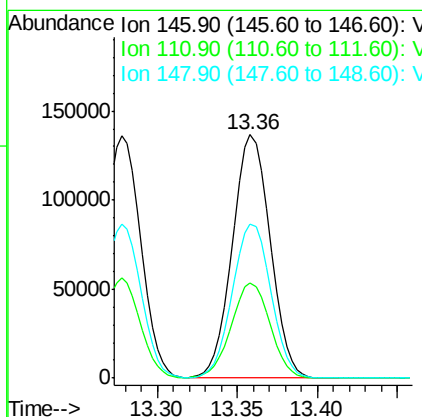
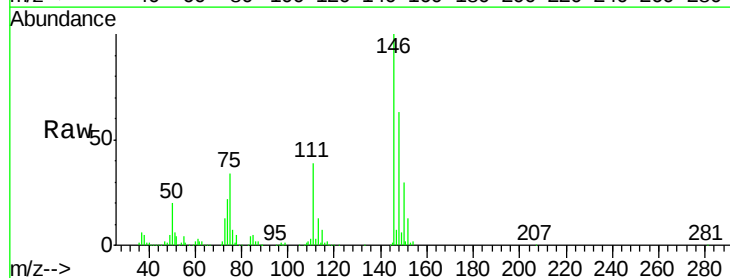
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

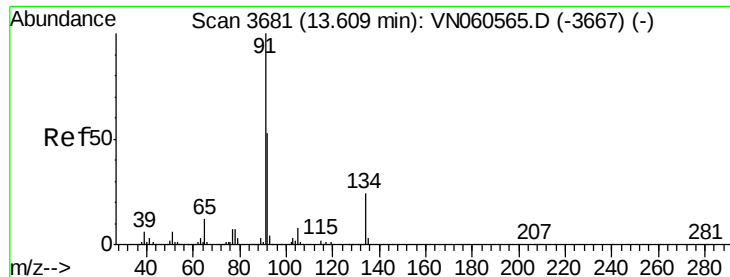
Tot Ion:146 Resp: 223503
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 60.8
 148 63.7 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 47.960 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Tgt Ion:146 Resp: 220355
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.6 58.7
 148 64.6 32.1 96.3

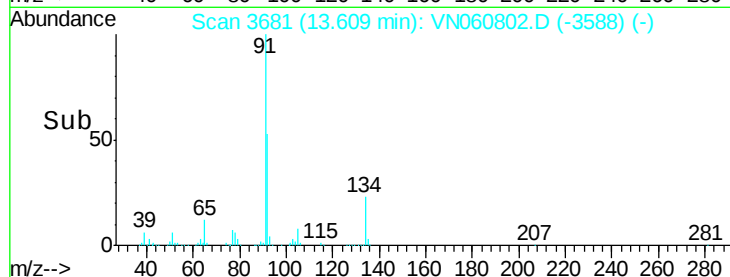
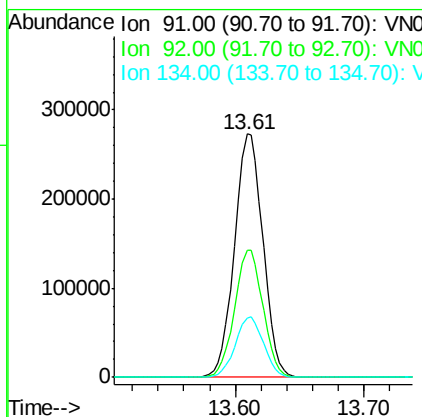
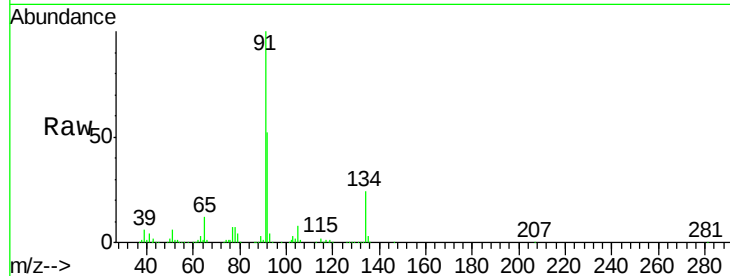




#89
n-Butylbenzene
Concen: 50.472 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

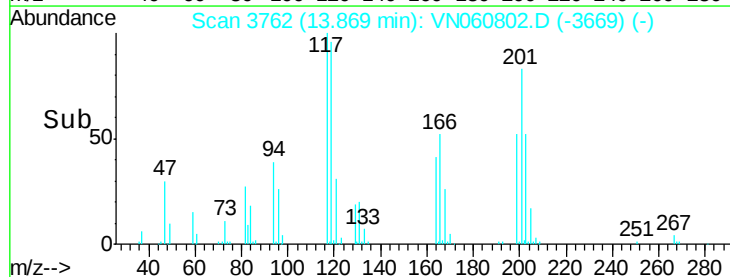
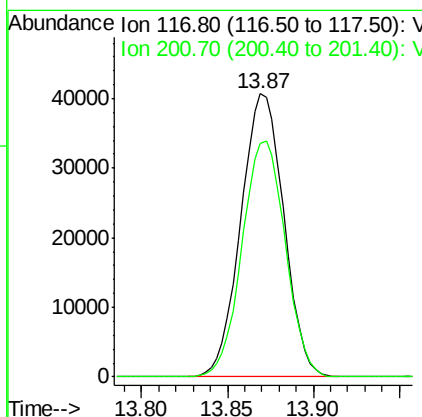
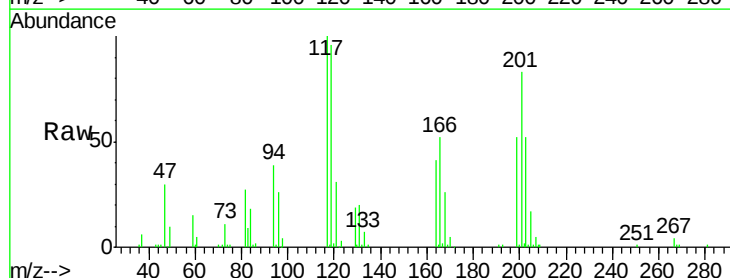
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 417103
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 24.7 12.3 36.9



#90
Hexachloroethane
Concen: 52.968 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion: 117 Resp: 70475
Ion Ratio Lower Upper
117 100
201 83.7 40.8 122.5

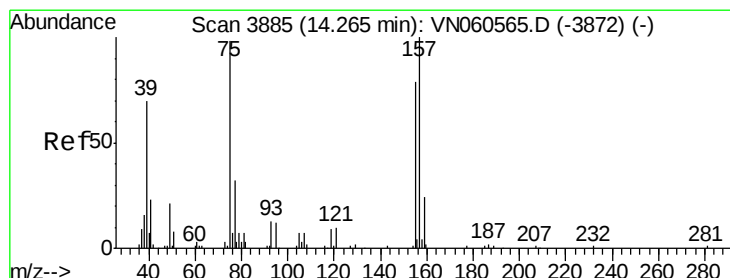
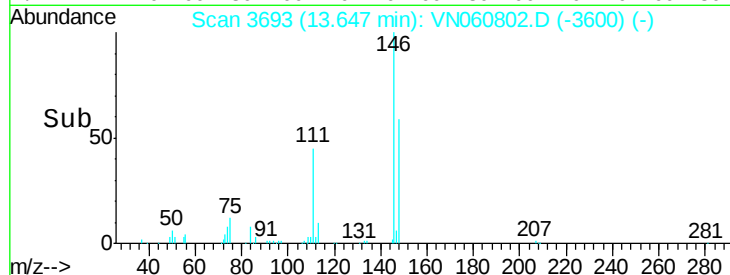
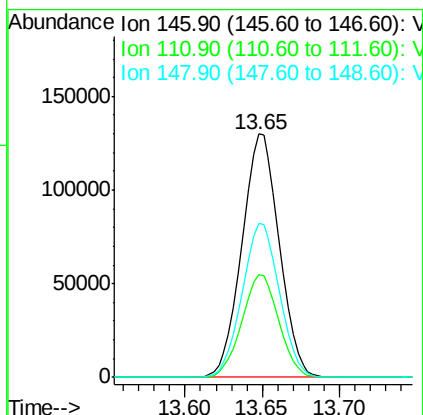
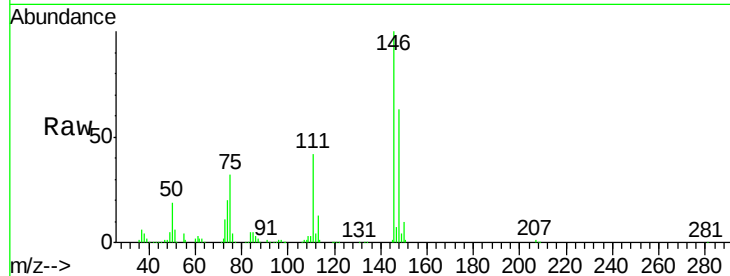




#91
 1,2-Dichlorobenzene
 Concen: 49.884 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

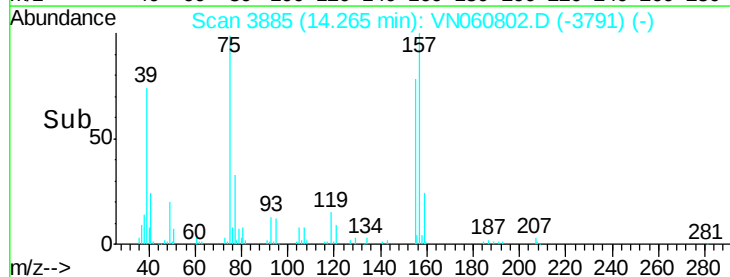
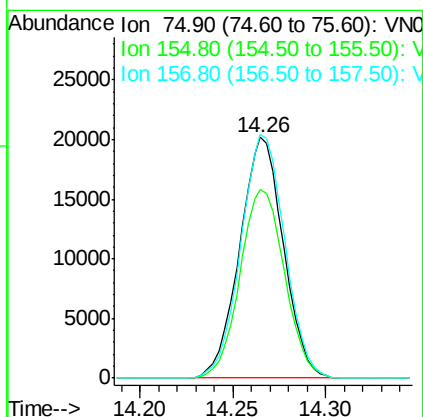
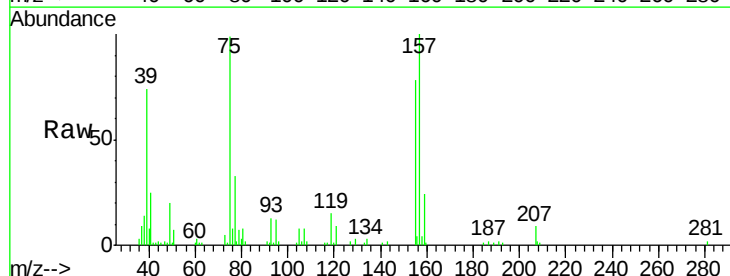
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 218130
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.0 63.0
 148 63.1 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.673 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060802.D
 Acq: 31 Mar 2020 21:23

Tgt Ion: 75 Resp: 33179
 Ion Ratio Lower Upper
 75 100
 155 79.7 40.7 122.1
 157 101.7 51.5 154.7





#93

1,2,4-Trichlorobenzene

Concen: 51.152 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

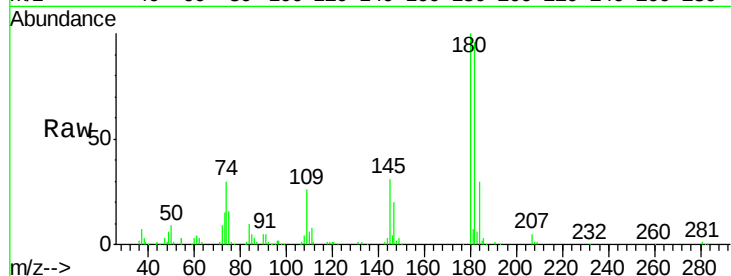
Tot Ion:180 Resp: 137357

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.8

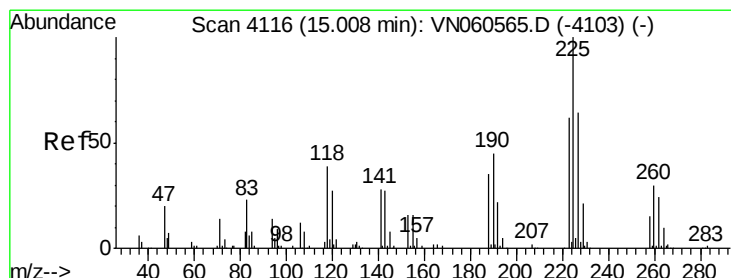
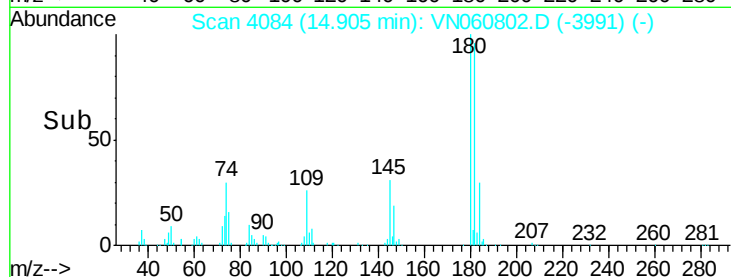
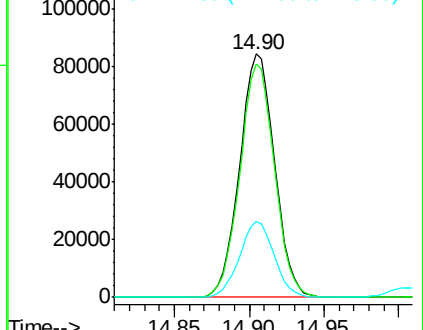
145 30.7 15.4 46.2



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



#94

Hexachlorobutadiene

Concen: 50.671 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060802.D

Acq: 31 Mar 2020 21:23

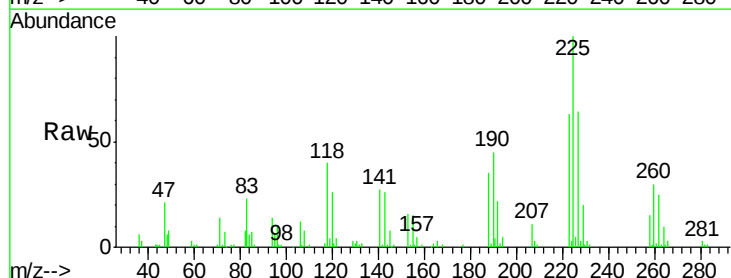
Tgt Ion:225 Resp: 66702

Ion Ratio Lower Upper

225 100

223 62.7 31.6 95.0

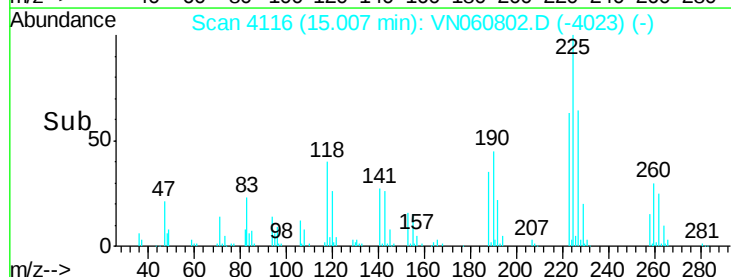
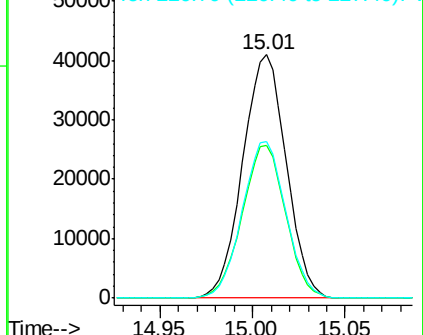
227 64.2 32.3 96.8



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

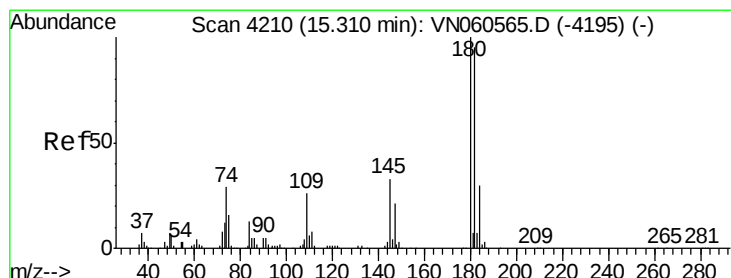
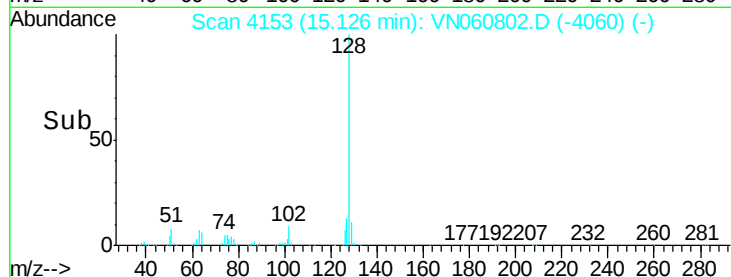
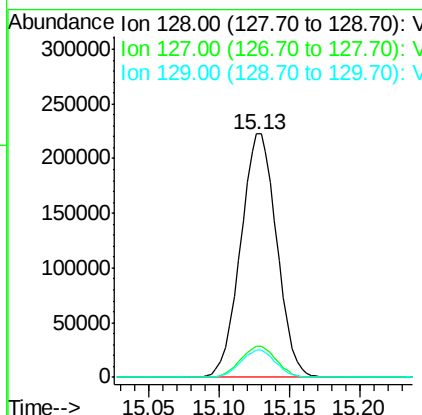
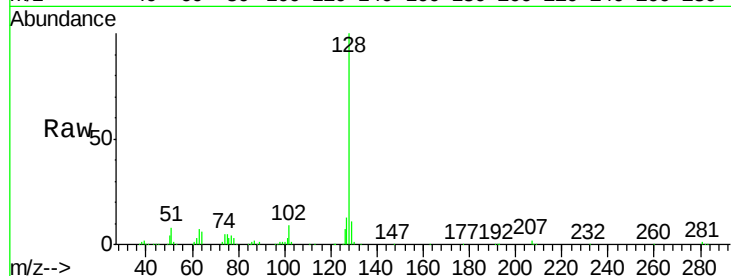




#95
Naphthalene
Concen: 49.336 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.269 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060802.D
Acq: 31 Mar 2020 21:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	32.5	16.3	48.8

