

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057988.D
 Acq On : 7 Jun 2018 23:52
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 08 06:52:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	900903	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1214096	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	1002019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	498253	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	483709	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
35) Dibromofluoromethane	5.54	113	484565	51.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	8.70	98	1148988	51.45	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.92	95	501388	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	567886	46.966	ug/l	97
3) Chloromethane	1.49	50	284492	47.774	ug/l	98
4) Vinyl Chloride	1.57	62	284999	49.442	ug/l	97
5) Bromomethane	1.80	94	113133	50.077	ug/l	92
6) Chloroethane	1.89	64	128199	56.371	ug/l	95
7) Trichlorofluoromethane	2.09	101	408844	51.887	ug/l	99
8) Diethyl Ether	2.36	74	83149	56.805	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	247166	52.590	ug/l	97
10) Methyl Iodide	2.70	142	322101	53.114	ug/l	93
11) Tert butyl alcohol	3.27	59	92967	385.308	ug/l	100
12) 1,1-Dichloroethene	2.55	96	192019	53.144	ug/l	95
13) Acrolein	2.47	56	81910	237.046	ug/l	98
14) Allyl chloride	2.93	41	431383	51.756	ug/l	99
15) Acrylonitrile	3.36	53	382208	270.777	ug/l	98
16) Acetone	2.62	43	318346	245.328	ug/l	98
17) Carbon Disulfide	2.76	76	693678	52.996	ug/l	98
18) Methyl Acetate	2.77	43	11588	4.616	ug/l	96
19) Methyl tert-butyl Ether	3.41	73	840265	52.851	ug/l	100
20) Methylene Chloride	3.07	84	208752	58.717	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	401165	49.848	ug/l	97
22) Diisopropyl ether	4.07	45	1777133	53.819	ug/l	94
23) Vinyl Acetate	4.02	43	4851219	284.343	ug/l	100
24) 1,1-Dichloroethane	3.97	63	926198	51.036	ug/l	99
25) 2-Butanone	4.84	43	787583	267.064	ug/l	95
26) 2,2-Dichloropropane	4.80	77	713020	47.695	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	489062	51.238	ug/l	97
28) Bromochloromethane	5.14	49	449082	57.174	ug/l	100
29) Tetrahydrofuran	5.18	42	438684	283.771	ug/l	99
30) Chloroform	5.32	83	975808	53.427	ug/l	100
31) Cyclohexane	5.59	56	728705	46.529	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	780807	51.058	ug/l	97
36) 1,1-Dichloropropene	5.74	75	699590	52.301	ug/l	99
37) Ethyl Acetate	4.92	43	387875	53.143	ug/l #	95
38) Carbon Tetrachloride	5.72	117	680876	51.649	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	669027	50.455	ug/l	98
40) Benzene	6.01	78	1590341	50.895	ug/l	99
41) Methacrylonitrile	5.12	41	212421	63.652	ug/l	98
42) 1,2-Dichloroethane	6.13	62	684468	54.177	ug/l	98
43) Isopropyl Acetate	7.60	43	560251	58.603	ug/l	100
44) Trichloroethene	6.97	130	467558	51.227	ug/l	98
45) 1,2-Dichloropropane	7.34	63	455112	52.404	ug/l	97
46) Dibromomethane	7.45	93	308304	55.261	ug/l	94
47) Bromodichloromethane	7.73	83	711282	54.451	ug/l	96
48) Methyl methacrylate	7.49	41	325302	55.285	ug/l	98
49) 1,4-Dioxane	7.48	88	53098	1089.286	ug/l	94
51) 4-Methyl-2-Pentanone	8.59	43	1758986	286.856	ug/l	99
52) Toluene	8.79	92	887449	49.486	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	613623	54.524	ug/l	96
54) cis-1,3-Dichloropropene	8.35	75	734839	55.423	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	312451	53.834	ug/l	97
56) Ethyl methacrylate	9.31	69	402520	56.538	ug/l	96
57) 1,3-Dichloropropane	9.65	76	576875	56.670	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	1048619	291.531	ug/l	100
59) 2-Hexanone	9.78	43	1247629	277.638	ug/l	99
60) Dibromochloromethane	9.95	129	458991	56.081	ug/l	100
61) 1,2-Dibromoethane	10.08	107	370827	55.558	ug/l	94
64) Tetrachloroethene	9.50	164	450830	50.327	ug/l	99
65) Chlorobenzene	10.71	112	1009246	49.753	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	392486	50.360	ug/l	99
67) Ethyl Benzene	10.85	91	1749846	47.748	ug/l	100
68) m/p-Xylenes	11.01	106	1166030	97.599	ug/l	95
69) o-Xylene	11.40	106	593436	50.042	ug/l	99
70) Styrene	11.42	104	978832	49.860	ug/l	98
71) Bromoform	11.59	173	333419	56.869	ug/l	97
73) Isopropylbenzene	11.77	105	1650158	50.002	ug/l	100
74) N-amyl acetate	11.64	43	677805	53.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	374584	52.060	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	401281	53.615	ug/l	96
77) Bromobenzene	12.03	156	502661	51.457	ug/l	93
78) n-propylbenzene	12.15	91	2008990	46.782	ug/l	100
79) 2-Chlorotoluene	12.21	91	1272826	51.954	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	1284619	49.913	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	105883	57.117	ug/l	95
82) 4-Chlorotoluene	12.32	91	1343480	56.822	ug/l	100
83) tert-Butylbenzene	12.57	119	1448898	49.857	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	1388993	50.194	ug/l	100
85) sec-Butylbenzene	12.75	105	1739487	49.597	ug/l	100
86) p-Isopropyltoluene	12.88	119	1417539	50.147	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	838287	50.730	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	821214	51.006	ug/l	94
89) n-Butylbenzene	13.18	91	1431046	56.796	ug/l	97
90) Hexachloroethane	13.39	117	386533	53.574	ug/l	67
91) 1,2-Dichlorobenzene	13.18	146	693835	51.957	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.76	75	67808	61.062	ug/l	86

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

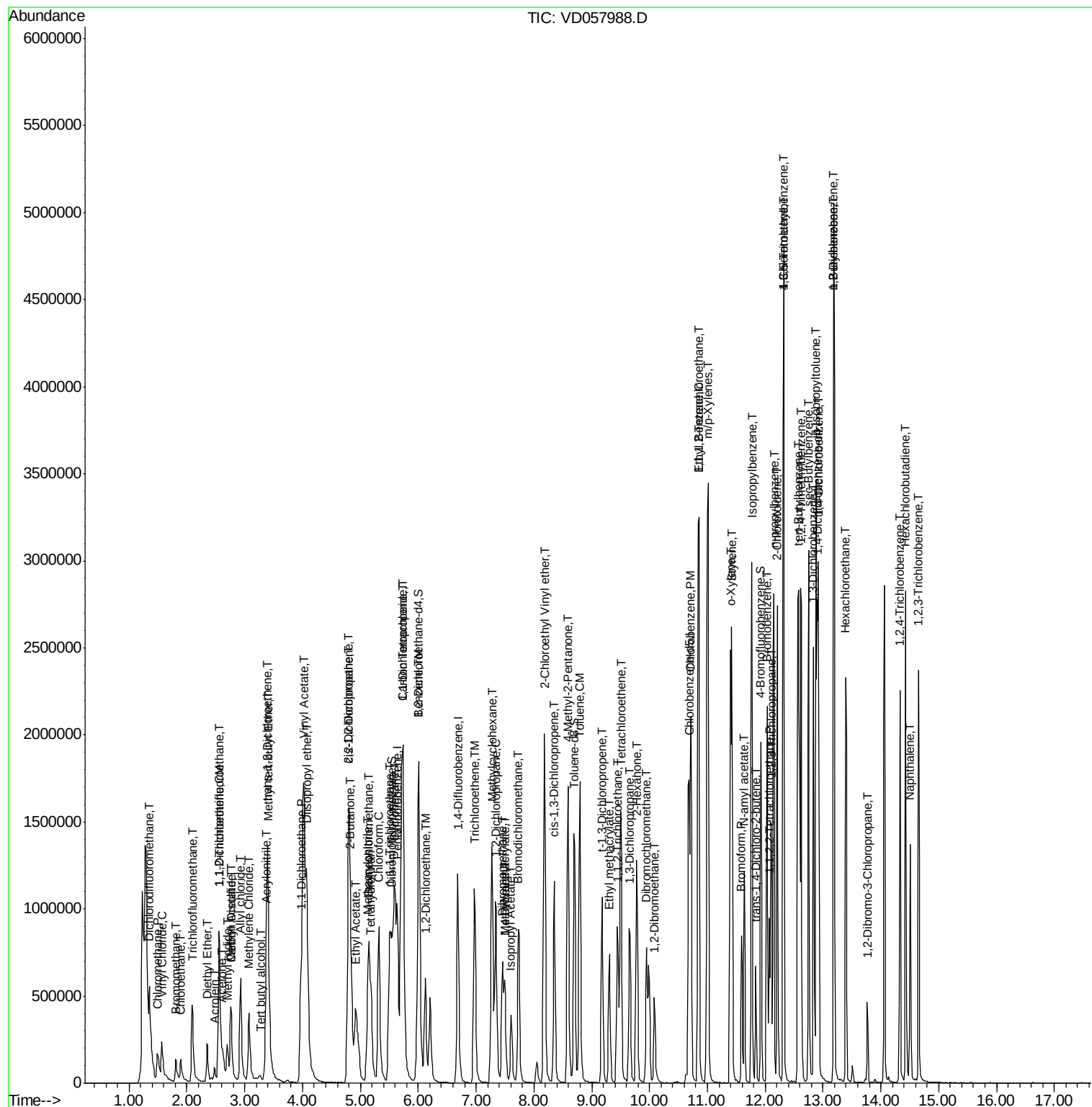
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	662201	53.077	ug/l	99
94) Hexachlorobutadiene	14.42	225	507617	51.727	ug/l	98
95) Naphthalene	14.51	128	887075	55.146	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	557984	52.479	ug/l	98

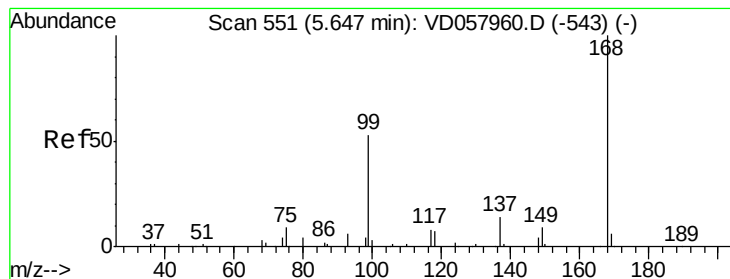
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

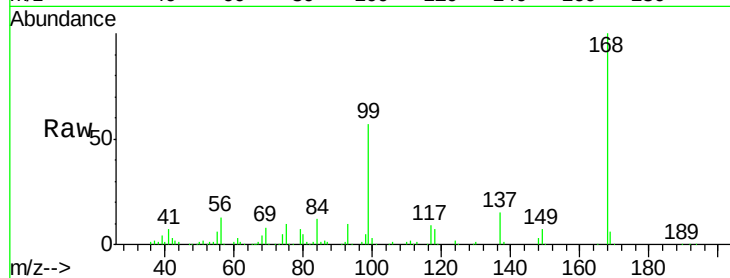
VSTDCCC050

Tgt Ion:168 Resp: 900903

Ion Ratio Lower Upper

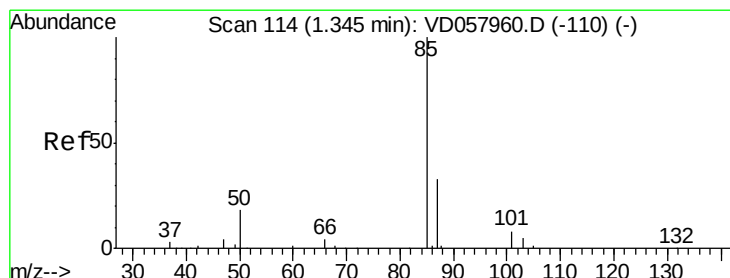
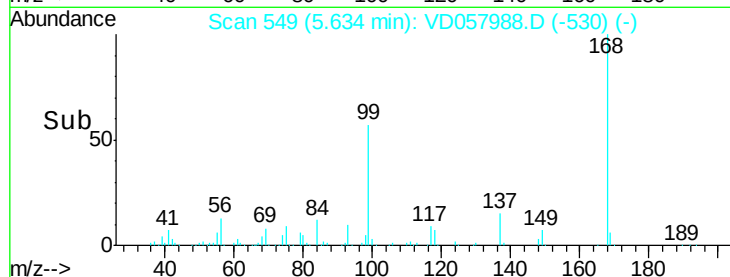
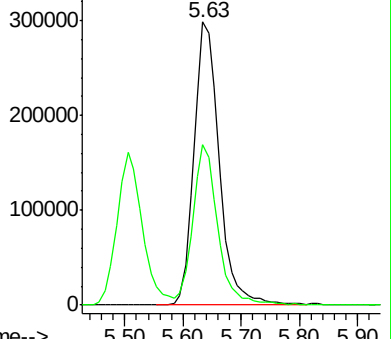
168 100

99 56.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.966 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD057988.D

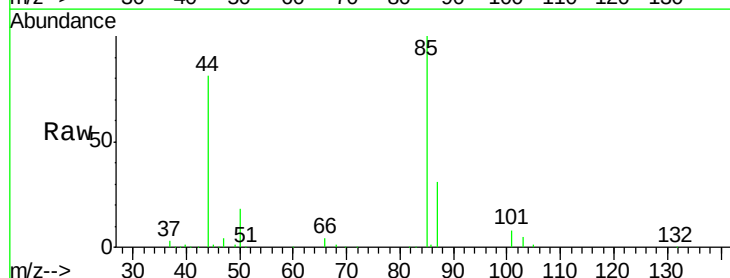
Acq: 7 Jun 2018 23:52

Tgt Ion: 85 Resp: 567886

Ion Ratio Lower Upper

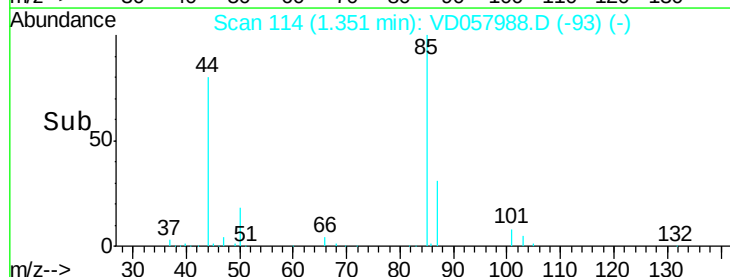
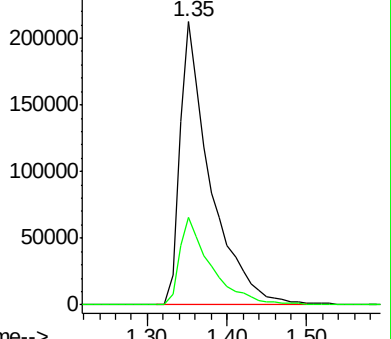
85 100

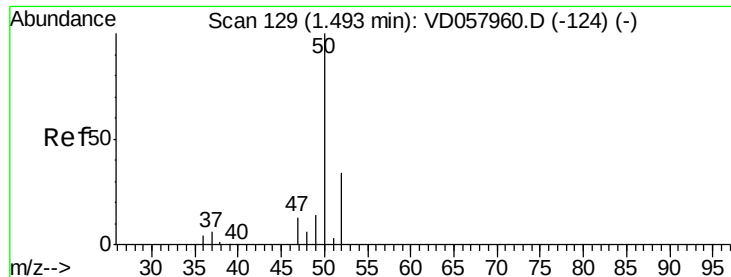
87 31.0 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.774 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

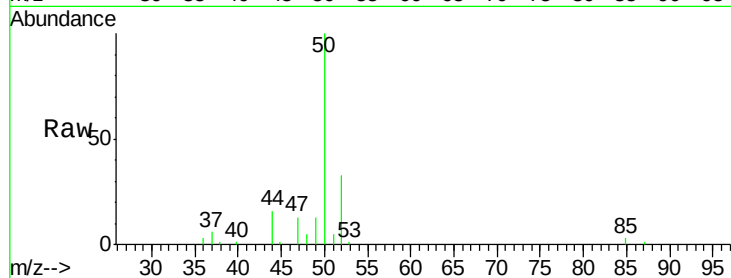
VSTDCCC050

Tgt Ion: 50 Resp: 284492

Ion Ratio Lower Upper

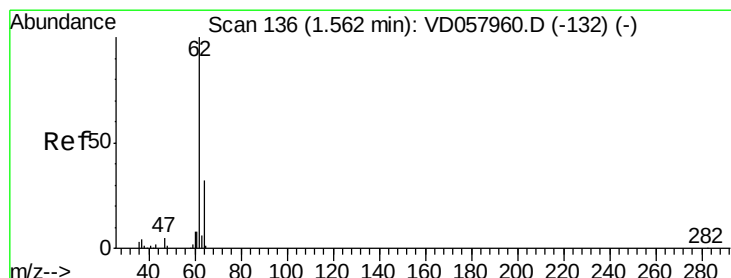
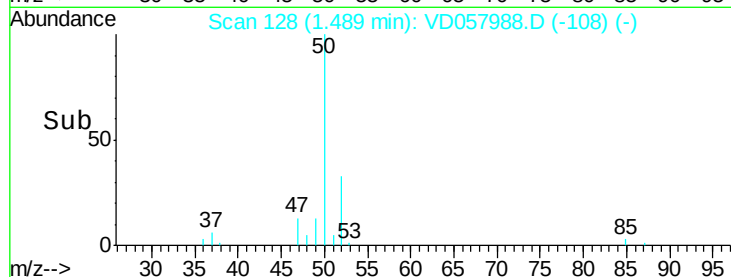
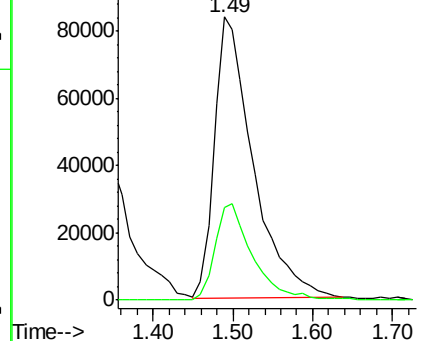
50 100

52 32.7 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.442 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD057988.D

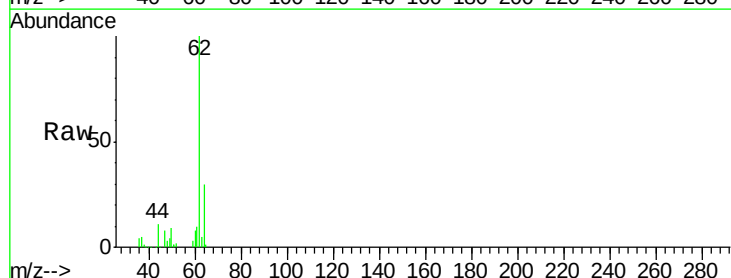
Acq: 7 Jun 2018 23:52

Tgt Ion: 62 Resp: 284999

Ion Ratio Lower Upper

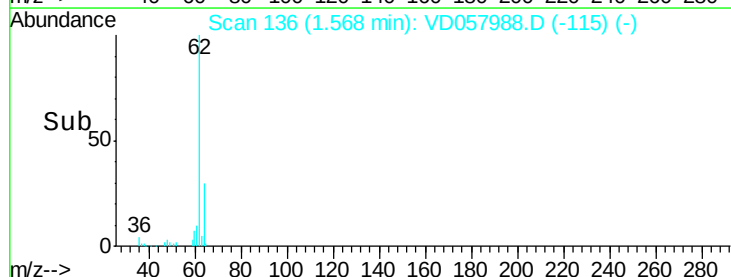
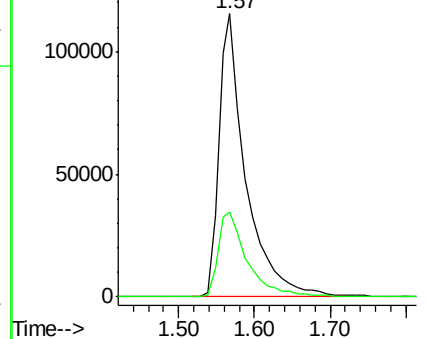
62 100

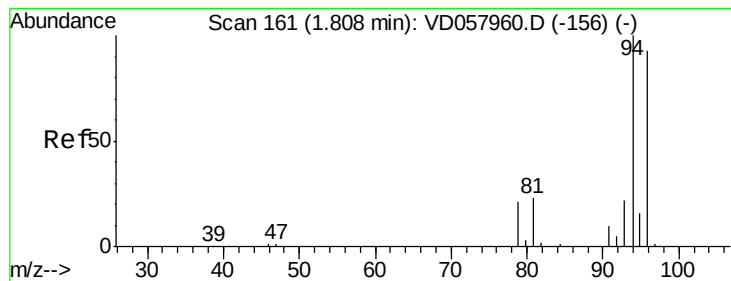
64 30.2 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.077 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

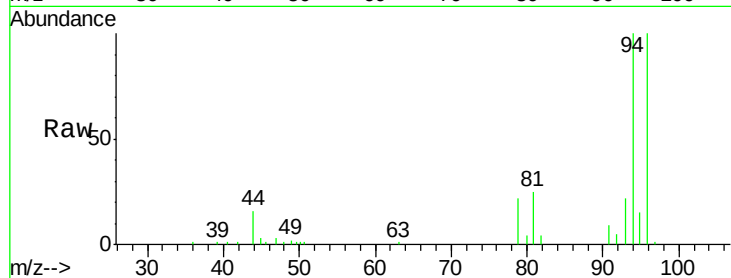
VSTDCCC050

Tgt Ion: 94 Resp: 113133

Ion Ratio Lower Upper

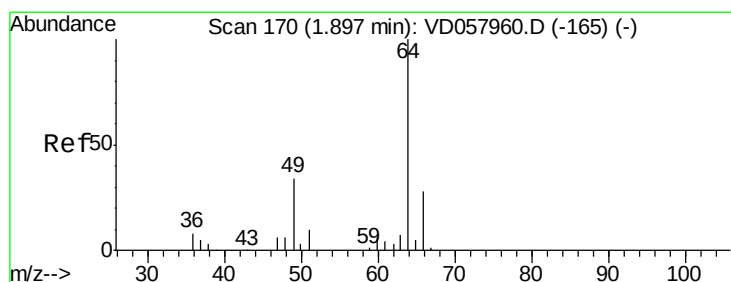
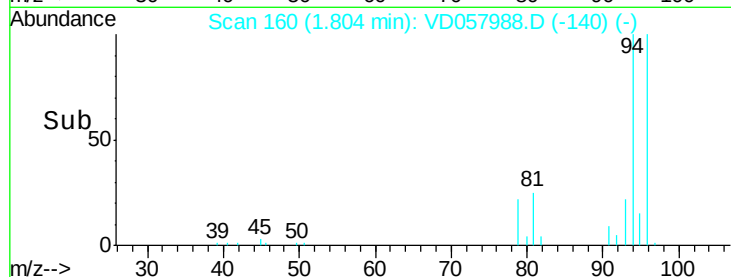
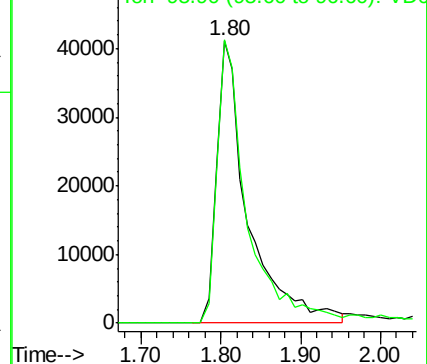
94 100

96 100.3 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 56.371 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.00 min

Lab File: VD057988.D

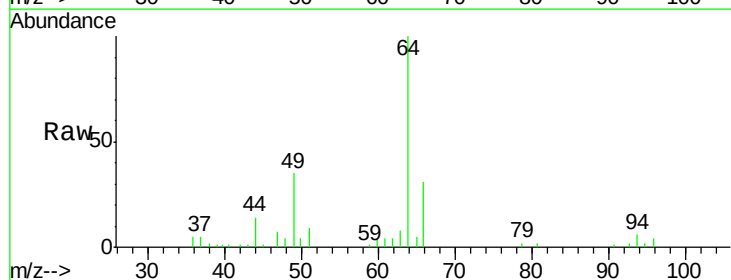
Acq: 7 Jun 2018 23:52

Tgt Ion: 64 Resp: 128199

Ion Ratio Lower Upper

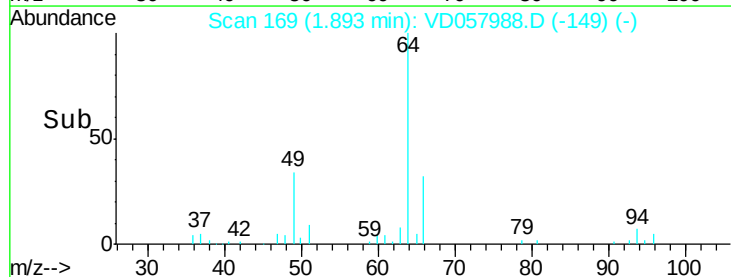
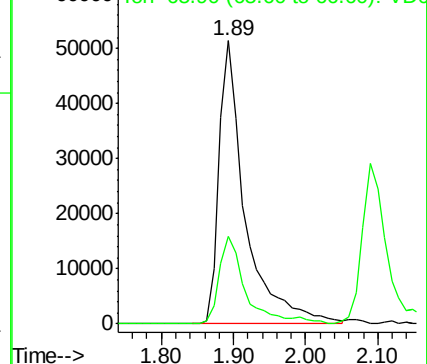
64 100

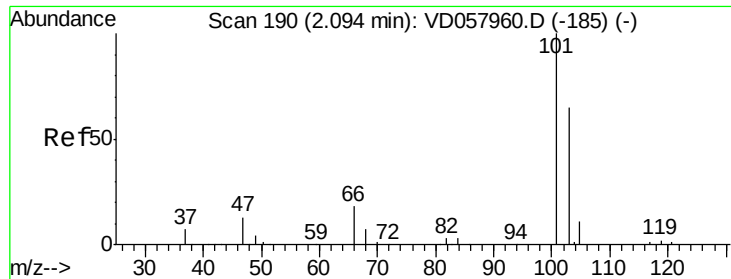
66 31.1 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 51.887 ug/l

RT: 2.09 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD057988.D

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Instrument :

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ClientSampleId :

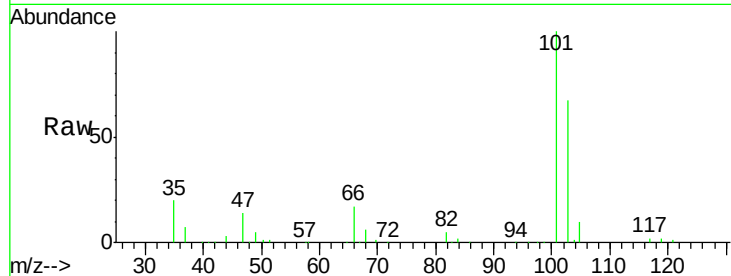
VSTDCCC050

Tgt Ion:101 Resp: 408844

Ion Ratio Lower Upper

101 100

103 66.5 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.09

150000

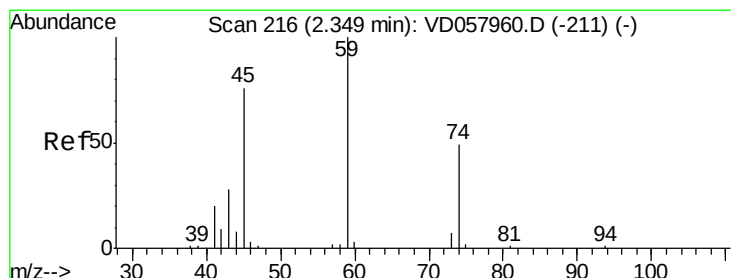
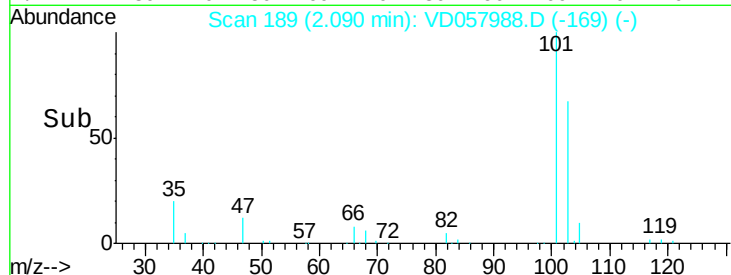
100000

50000

0

Time-->

2.00 2.10 2.20 2.30



#8

Diethyl Ether

Concen: 56.805 ug/l

RT: 2.36 min Scan# 216

Delta R.T. 0.01 min

Lab File: VD057988.D

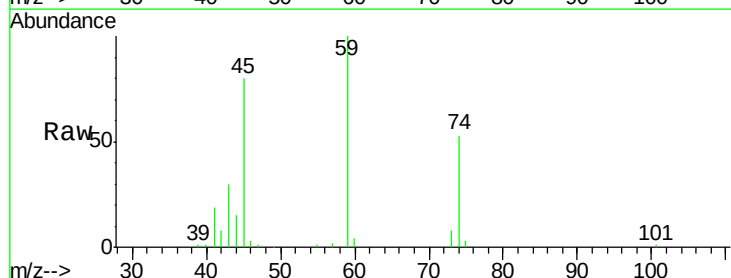
Acq: 7 Jun 2018 23:52

Tgt Ion: 74 Resp: 83149

Ion Ratio Lower Upper

74 100

45 151.4 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

60000

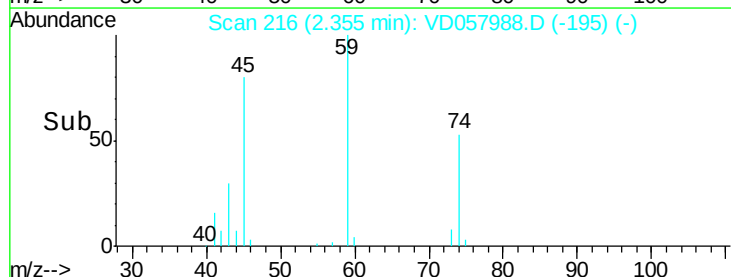
40000

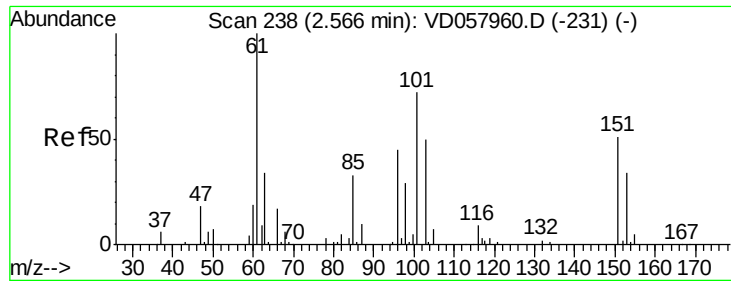
20000

0

Time-->

2.30 2.40 2.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.590 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

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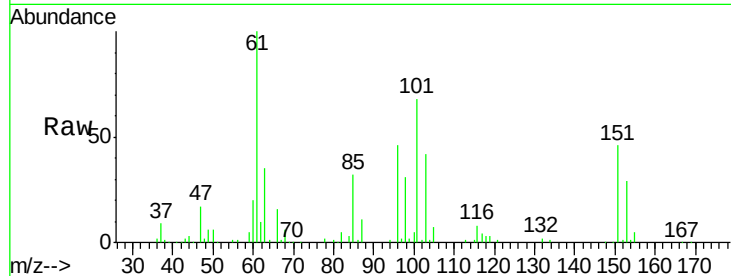
Tgt Ion:101 Resp: 247166

Ion Ratio Lower Upper

101 100

85 47.7 37.3 55.9

151 67.5 57.0 85.6

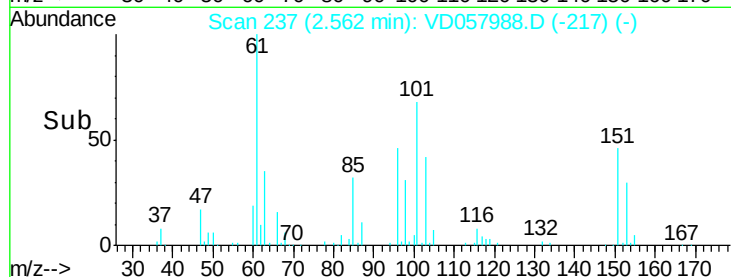


Abundance Ion 100.85 (100.55 to 101.55): V

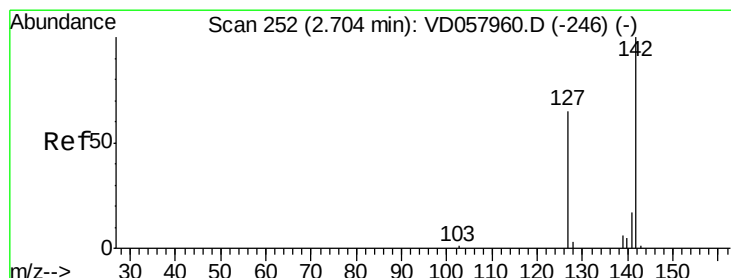
Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 53.114 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

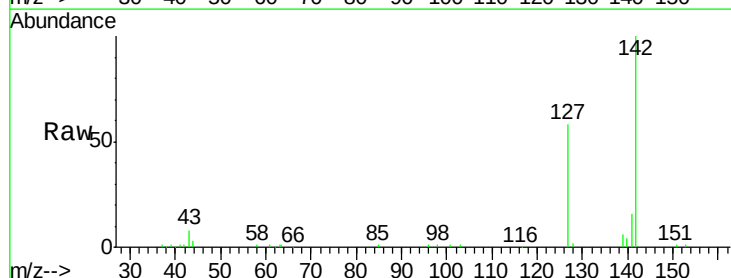
Tgt Ion:142 Resp: 322101

Ion Ratio Lower Upper

142 100

127 58.0 52.0 78.0

141 15.8 13.2 19.8

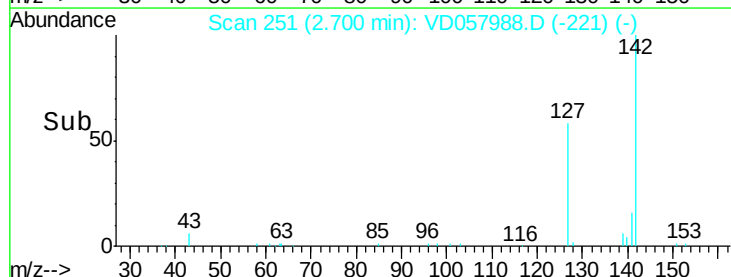


Abundance Ion 141.85 (141.55 to 142.55): V

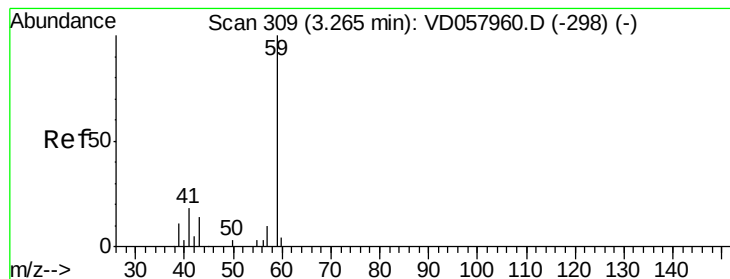
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Time-->

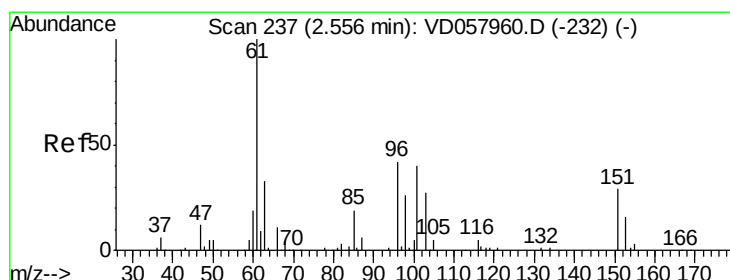
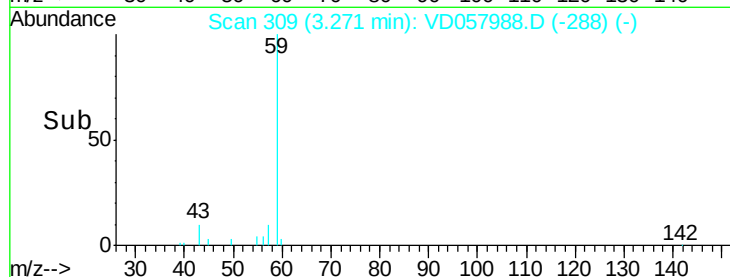
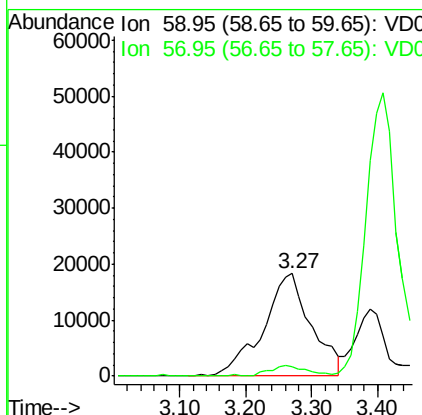
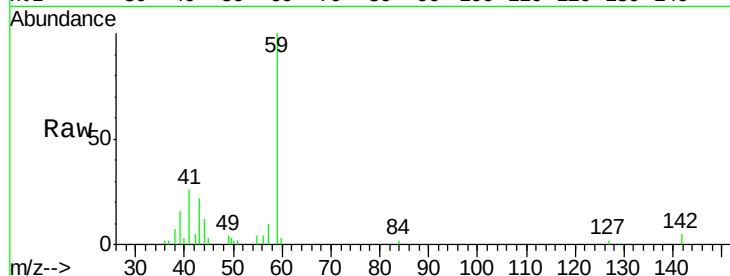


#11

Tert butyl alcohol
Concen: 385.308 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

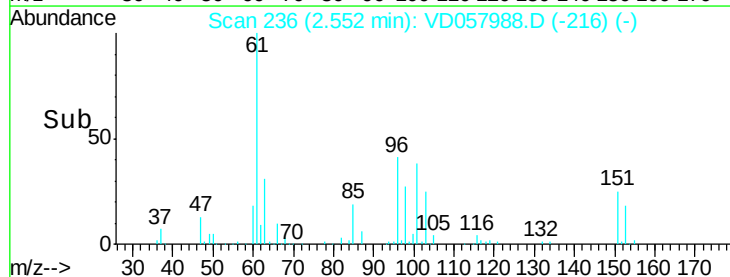
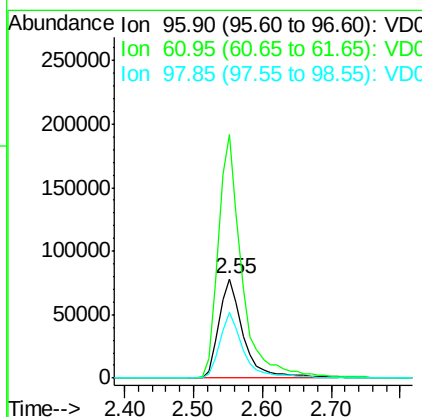
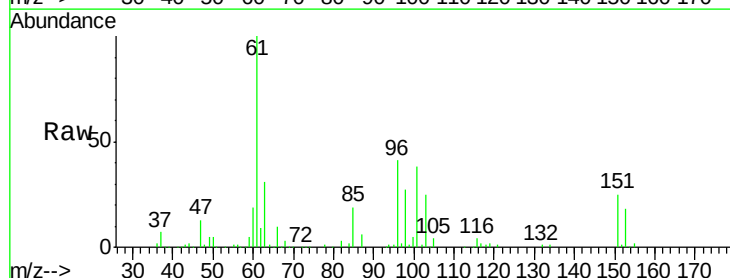
Tgt Ion: 59 Resp: 92967
Ion Ratio Lower Upper
59 100
57 9.5 7.8 11.6

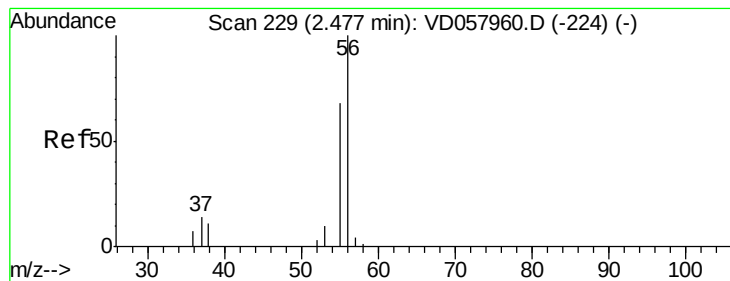


#12

1,1-Dichloroethene
Concen: 53.144 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion: 96 Resp: 192019
Ion Ratio Lower Upper
96 100
61 245.0 190.2 285.4
98 66.4 49.6 74.4





#13

Acrolein

Concen: 237.046 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

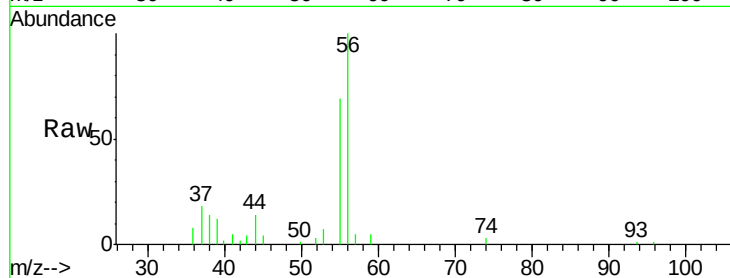
VSTDCCC050

Tgt Ion: 56 Resp: 81910

Ion Ratio Lower Upper

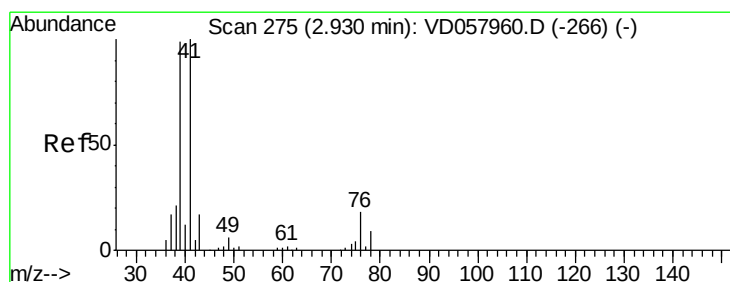
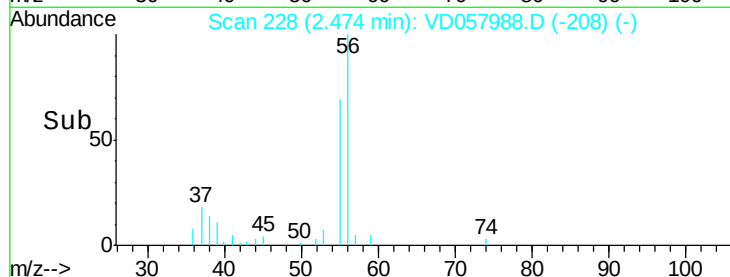
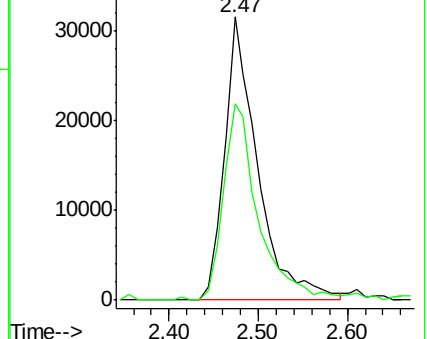
56 100

55 69.4 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.756 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

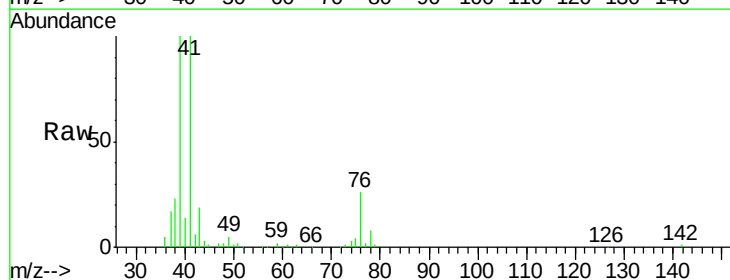
Tgt Ion: 41 Resp: 431383

Ion Ratio Lower Upper

41 100

39 100.4 79.5 119.3

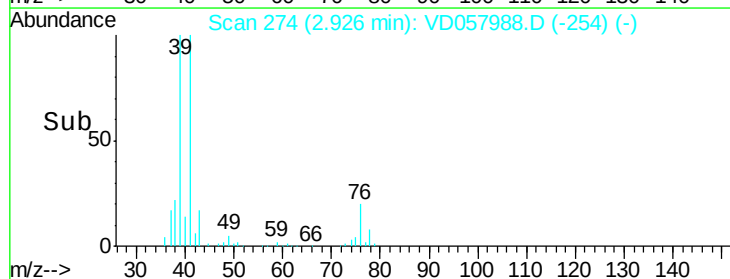
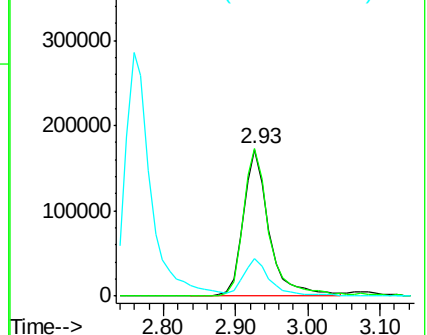
76 25.8 20.7 31.1

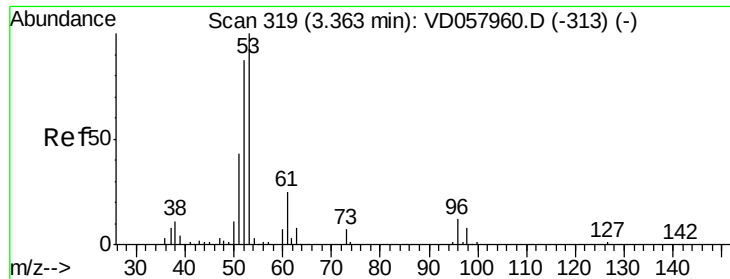


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 270.777 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

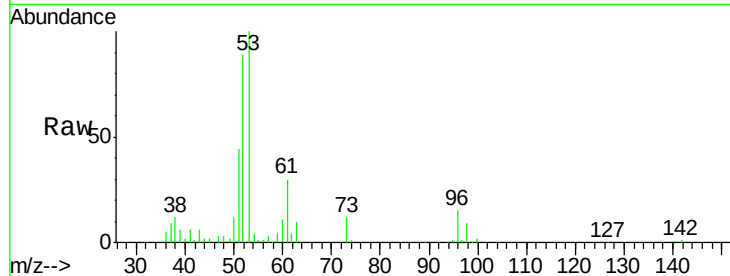
Tgt Ion: 53 Resp: 382208

Ion Ratio Lower Upper

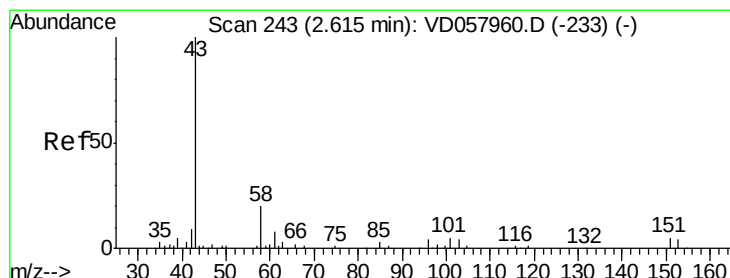
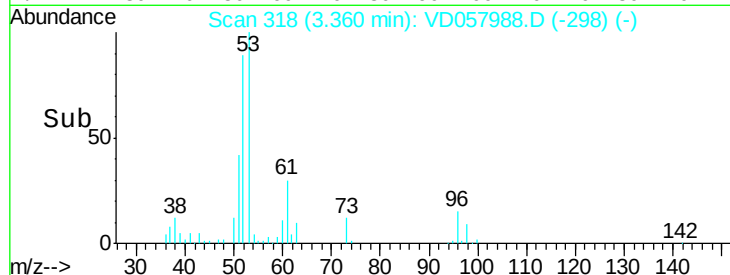
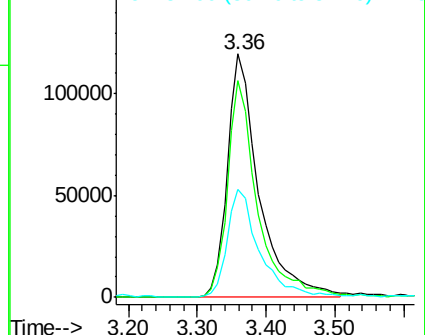
53 100

52 89.2 69.9 104.9

51 44.3 34.3 51.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 245.328 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD057988.D

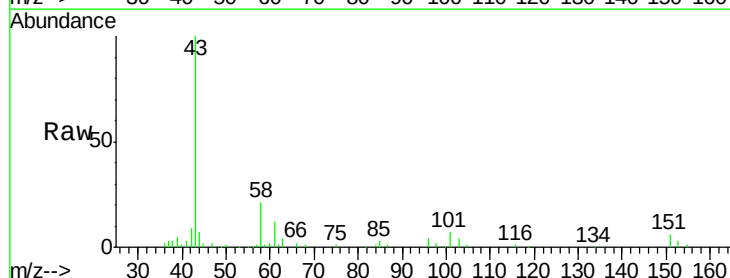
Acq: 7 Jun 2018 23:52

Tgt Ion: 43 Resp: 318346

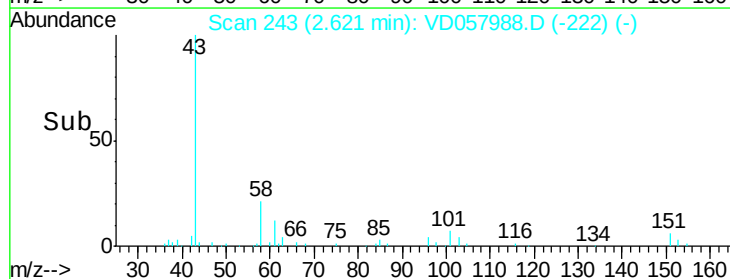
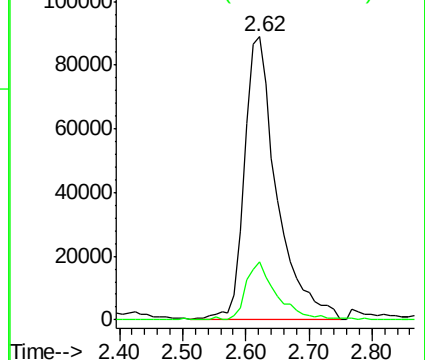
Ion Ratio Lower Upper

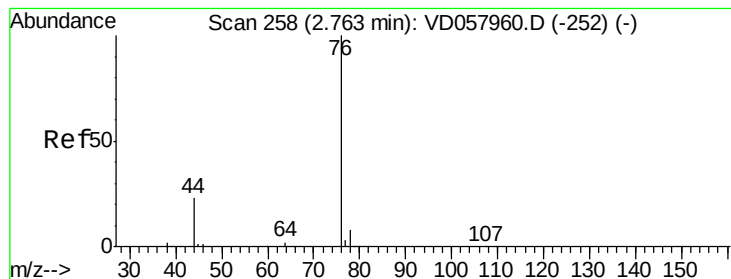
43 100

58 20.7 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 52.996 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

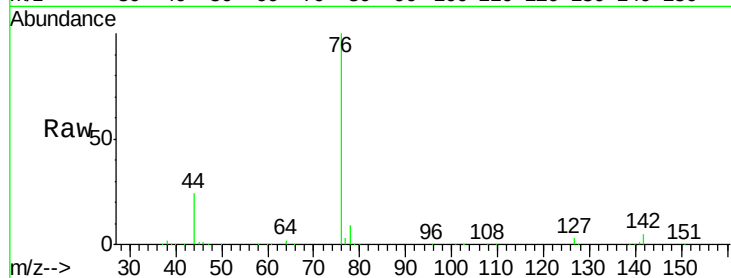
VSTDCCC050

Tgt Ion: 76 Resp: 693678

Ion Ratio Lower Upper

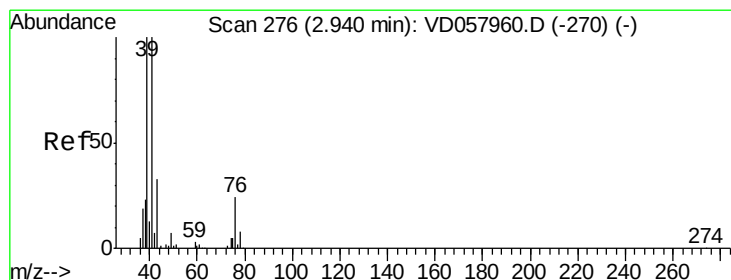
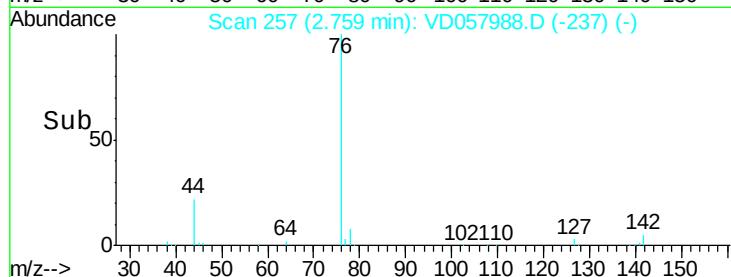
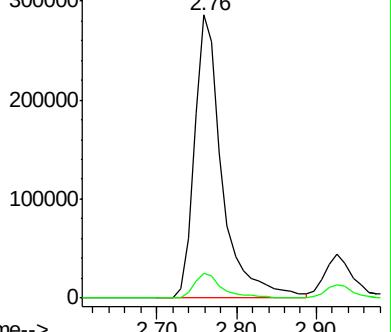
76 100

78 9.0 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 4.616 ug/l

RT: 2.77 min Scan# 258

Delta R.T. -0.17 min

Lab File: VD057988.D

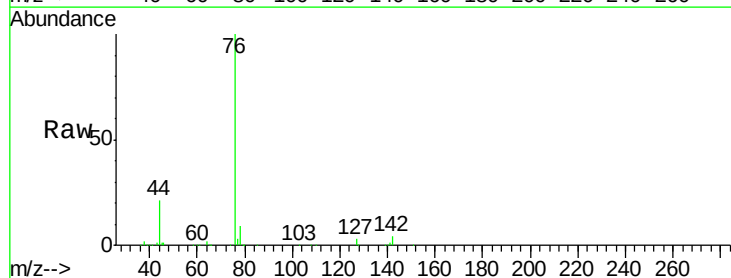
Acq: 7 Jun 2018 23:52

Tgt Ion: 43 Resp: 11588

Ion Ratio Lower Upper

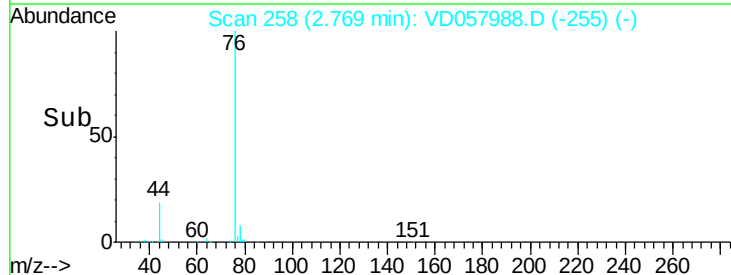
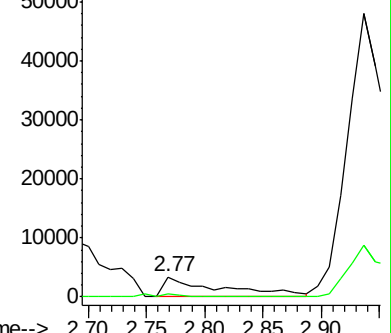
43 100

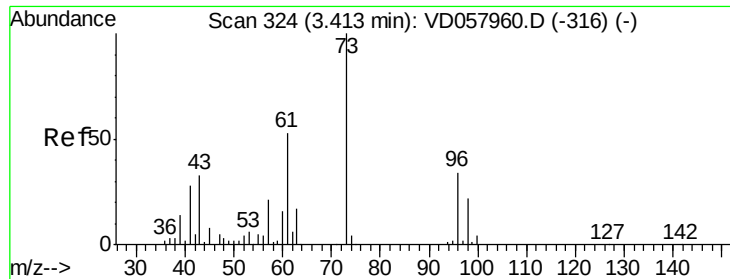
74 12.5 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



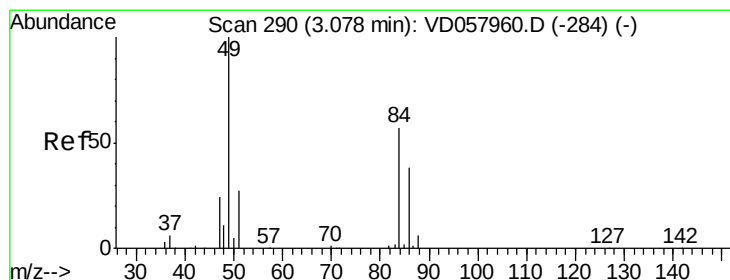
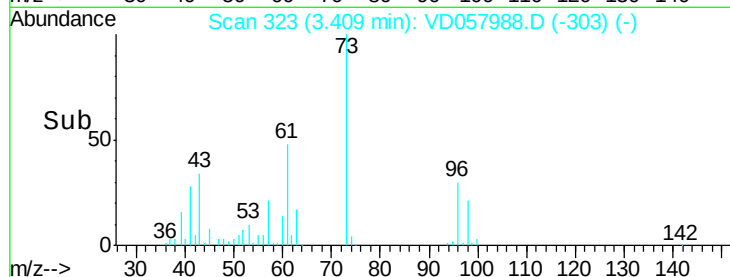
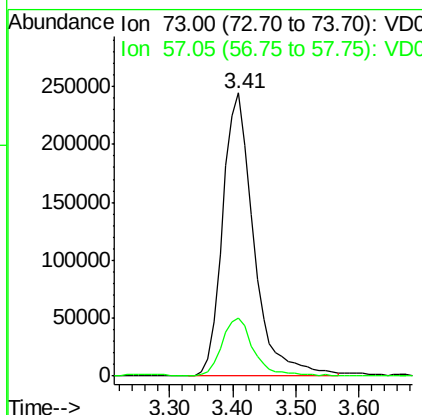
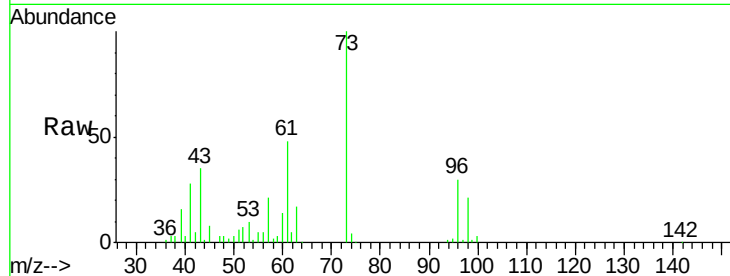


#19

Methyl tert-butyl Ether
Concen: 52.851 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

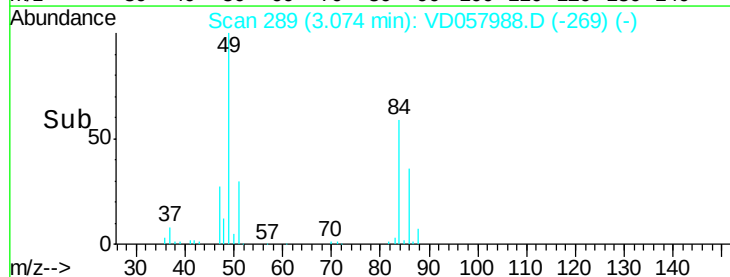
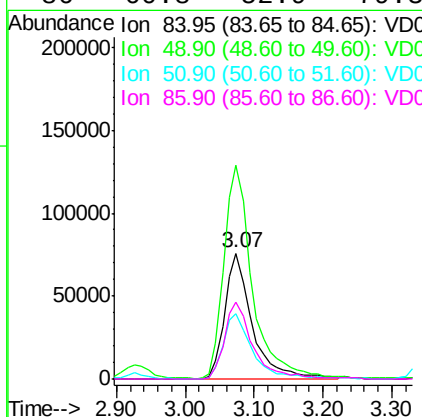
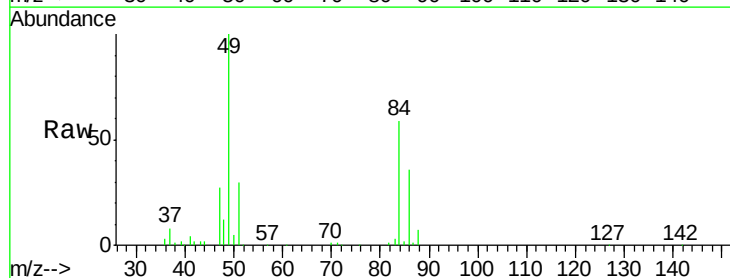
Tgt Ion: 73 Resp: 840265
Ion Ratio Lower Upper
73 100
57 20.7 16.7 25.1

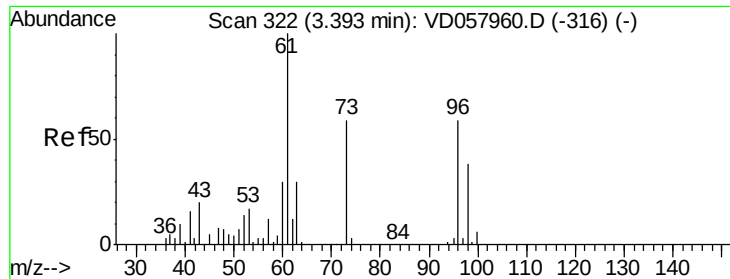


#20

Methylene Chloride
Concen: 58.717 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion: 84 Resp: 208752
Ion Ratio Lower Upper
84 100
49 169.7 141.4 212.0
51 51.7 38.3 57.5
86 60.8 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 49.848 ug/l

RT: 3.39 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

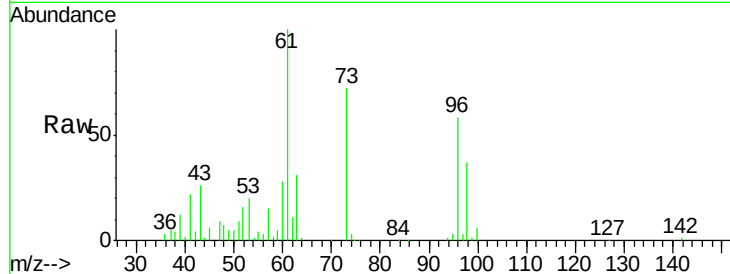
Tgt Ion: 96 Resp: 401165

Ion Ratio Lower Upper

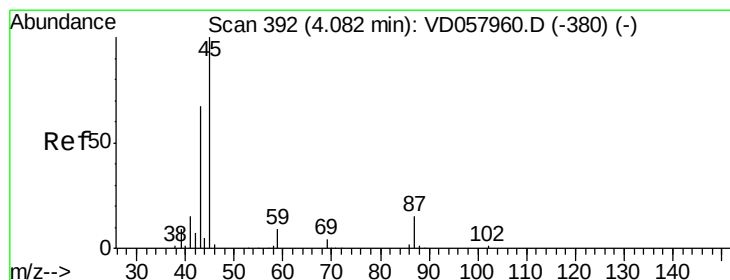
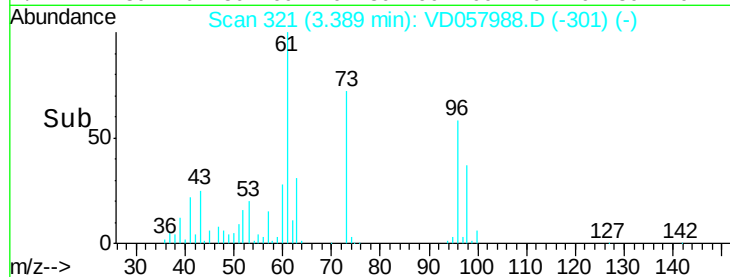
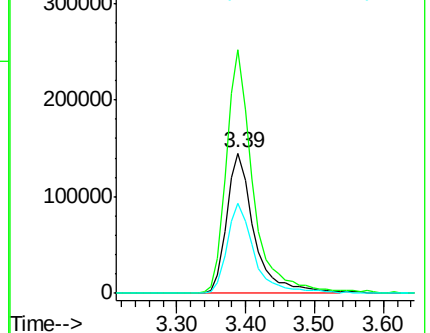
96 100

61 173.6 135.2 202.8

98 64.3 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 53.819 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Tgt Ion: 45 Resp: 1777133

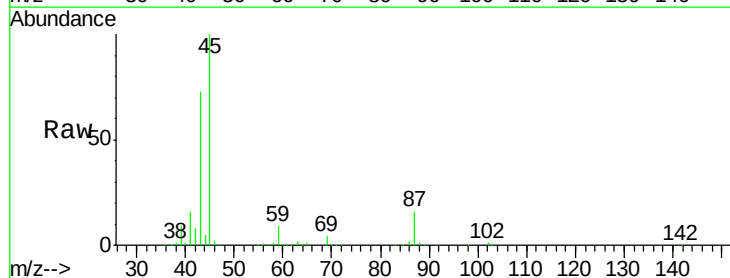
Ion Ratio Lower Upper

45 100

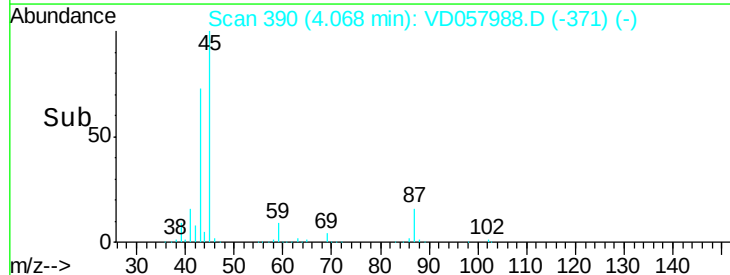
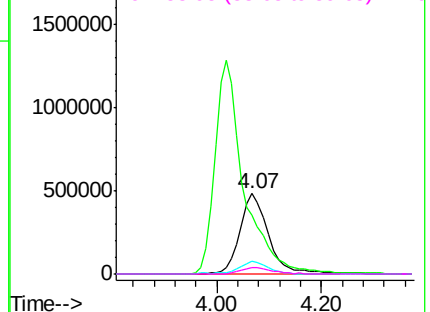
43 73.3 53.8 80.8

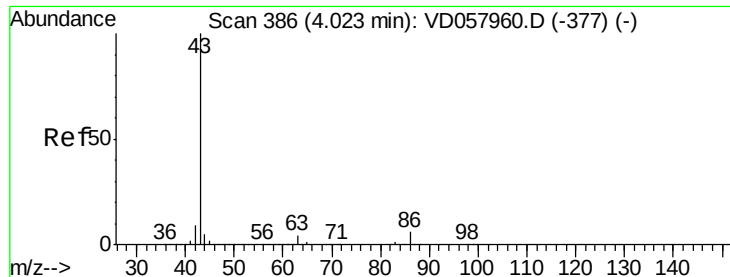
87 16.3 12.5 18.7

59 8.6 7.3 10.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 284.343 ug/l

RT: 4.02 min Scan# 385

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

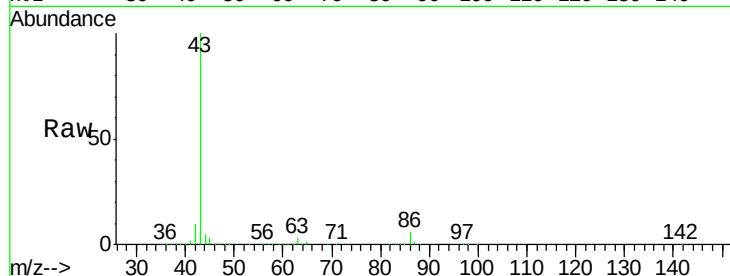
VSTDCCC050

Tgt Ion: 43 Resp: 4851219

Ion Ratio Lower Upper

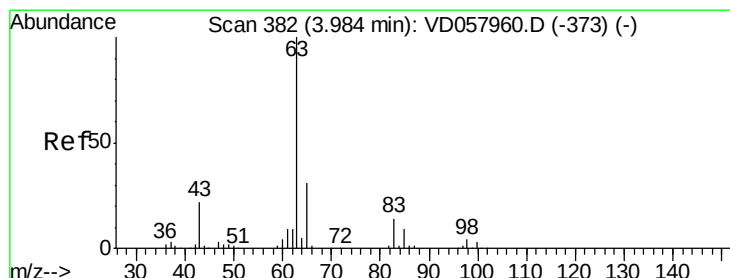
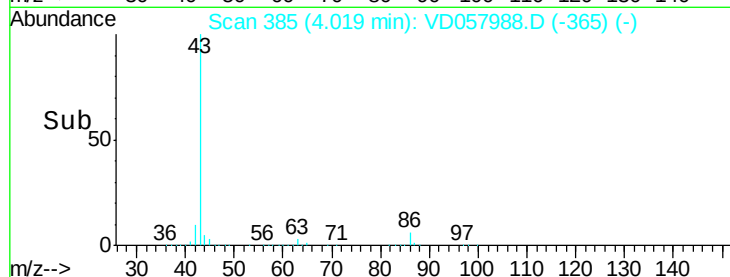
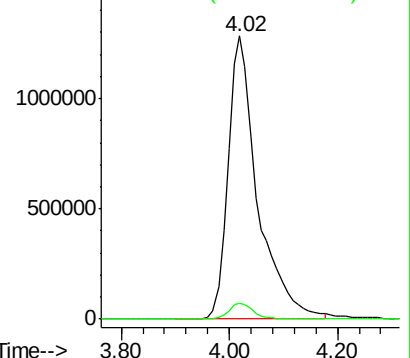
43 100

86 5.8 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.036 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

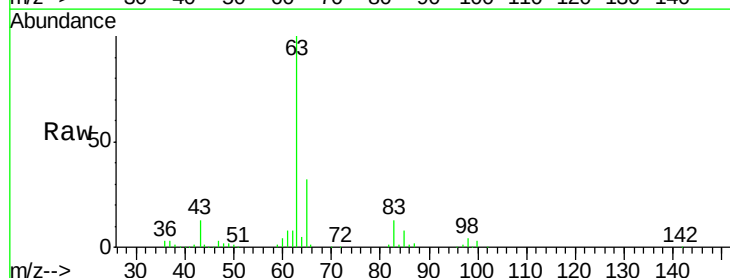
Tgt Ion: 63 Resp: 926198

Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

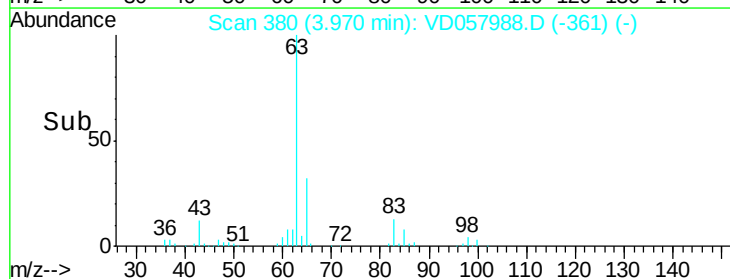
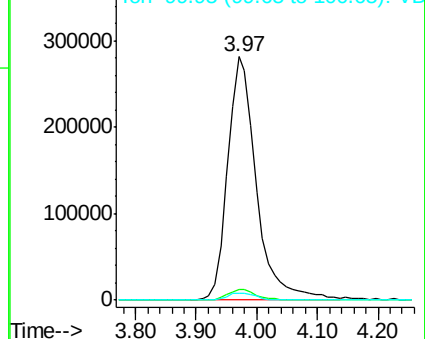
100 2.8 1.4 4.2

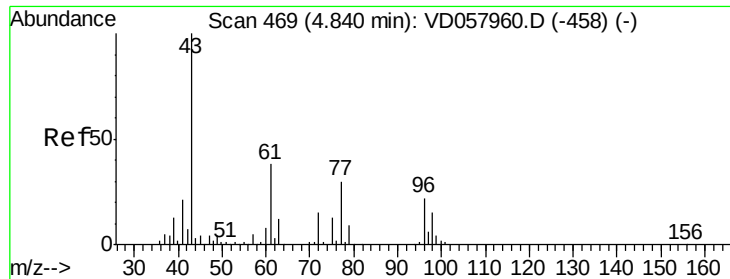


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 267.064 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

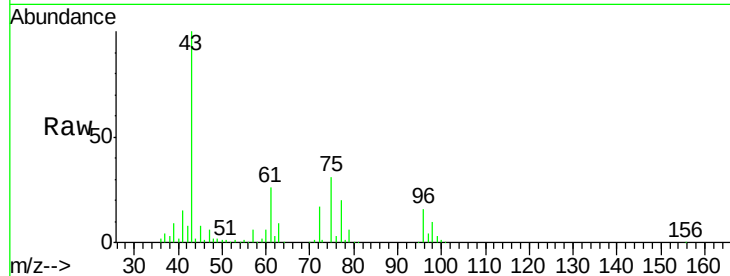
VSTDCCC050

Tgt Ion: 43 Resp: 787583

Ion Ratio Lower Upper

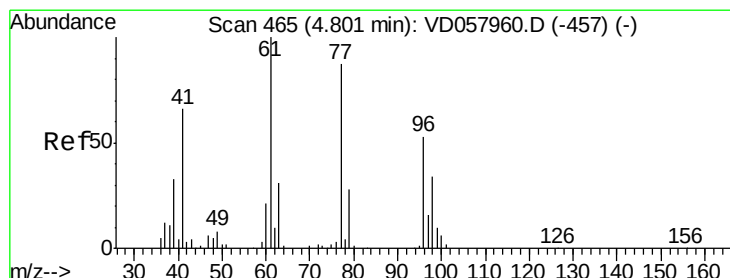
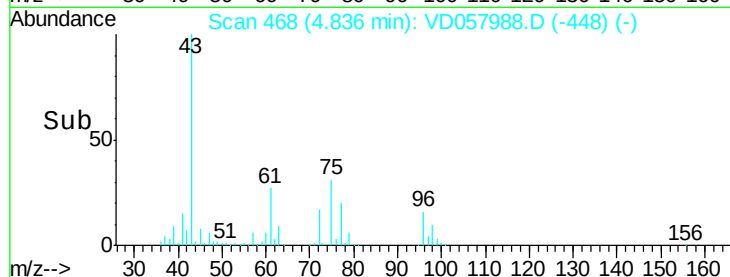
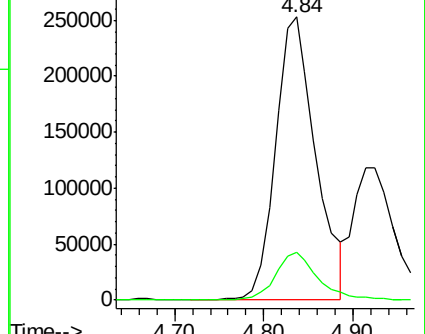
43 100

72 17.1 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.695 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD057988.D

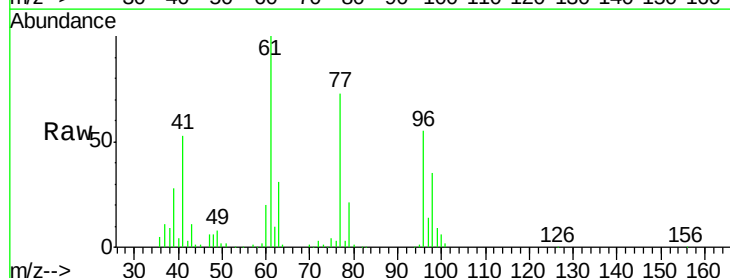
Acq: 7 Jun 2018 23:52

Tgt Ion: 77 Resp: 713020

Ion Ratio Lower Upper

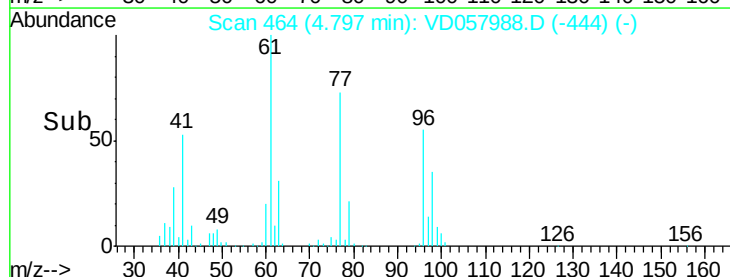
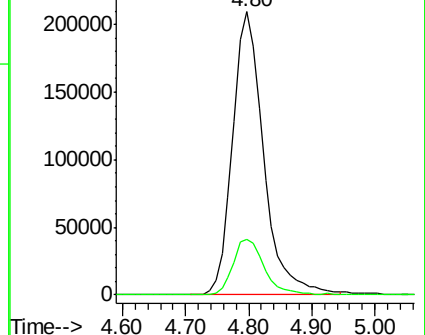
77 100

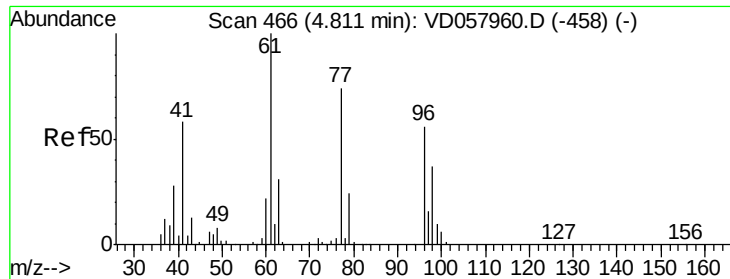
97 19.5 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 51.238 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

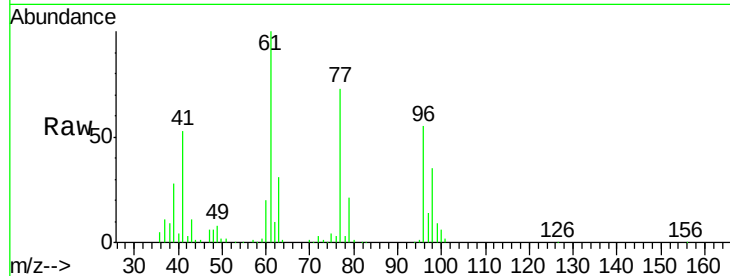
Tgt Ion: 96 Resp: 489062

Ion Ratio Lower Upper

96 100

61 181.6 0.0 355.0

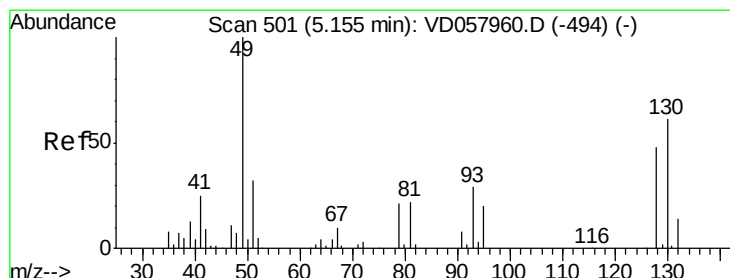
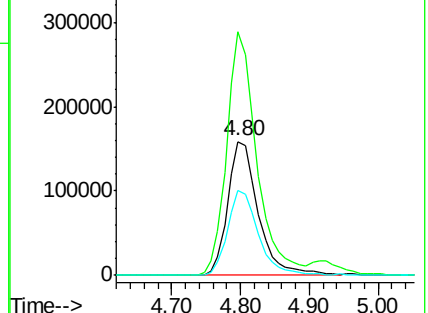
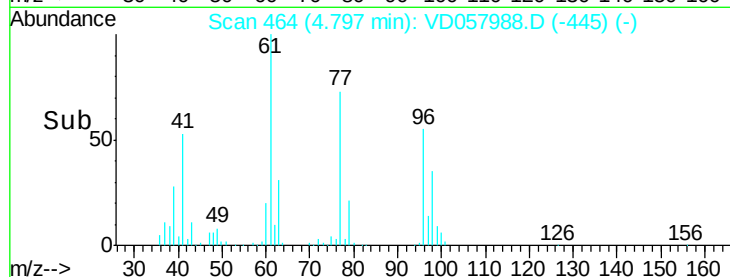
98 63.4 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 57.174 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

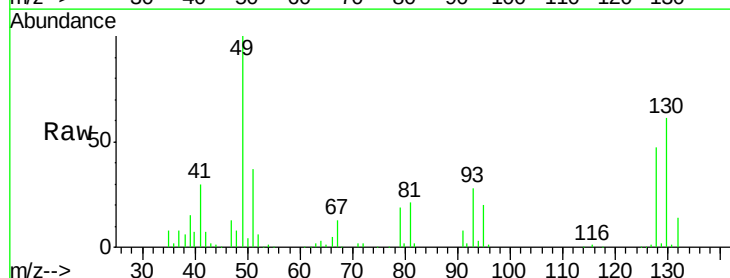
Tgt Ion: 49 Resp: 449082

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.6

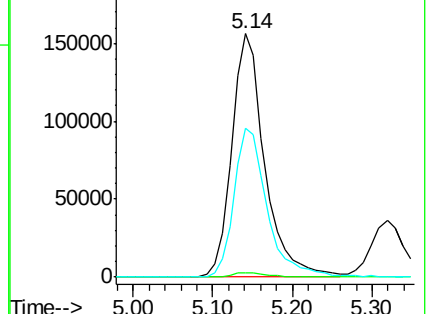
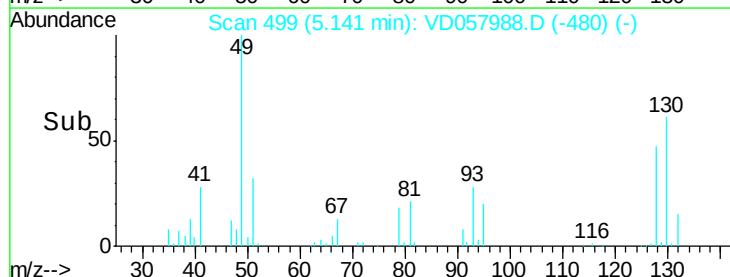
130 61.2 48.8 73.2

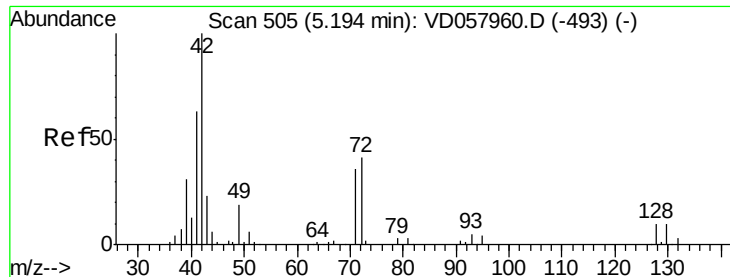


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 283.771 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

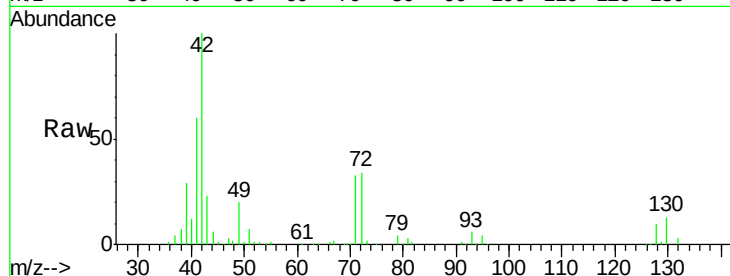
Tgt Ion: 42 Resp: 438684

Ion Ratio Lower Upper

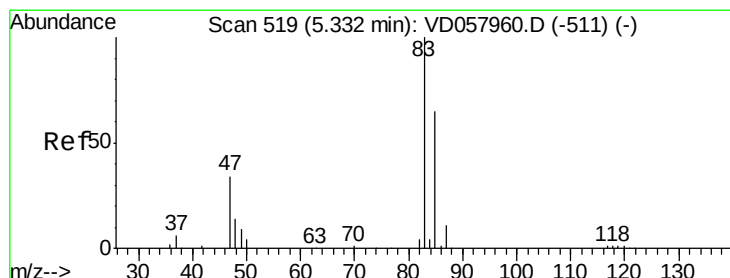
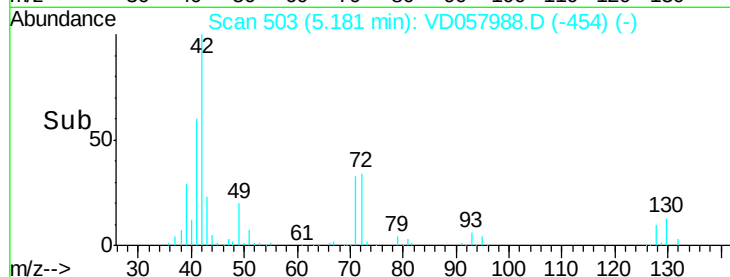
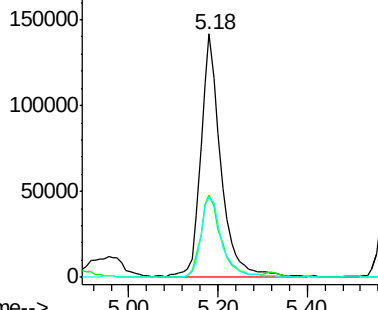
42 100

72 34.3 28.5 42.7

71 35.0 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 53.427 ug/l

RT: 5.32 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD057988.D

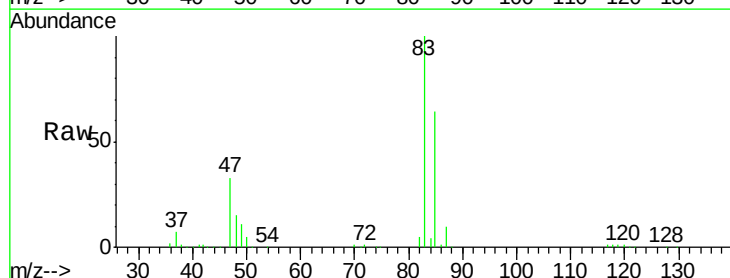
Acq: 7 Jun 2018 23:52

Tgt Ion: 83 Resp: 975808

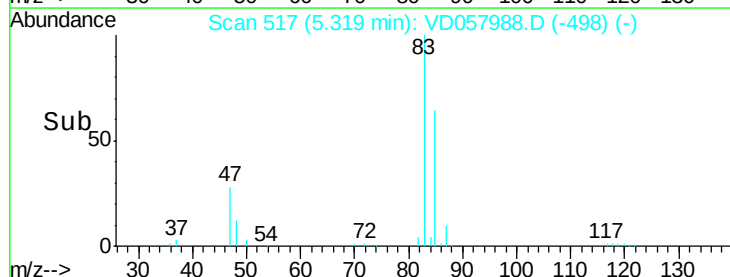
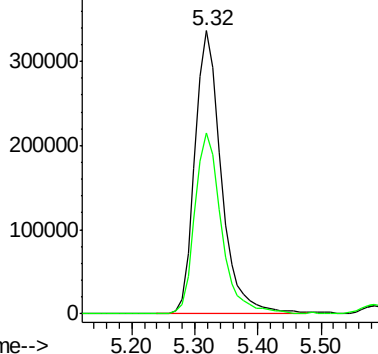
Ion Ratio Lower Upper

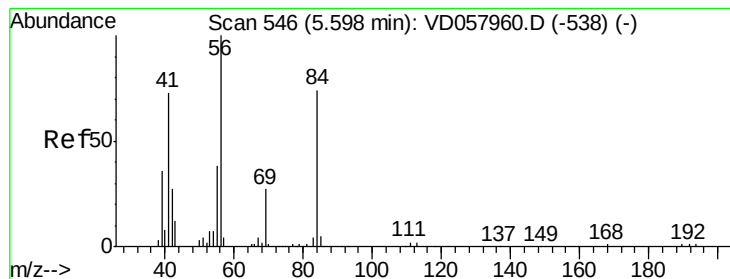
83 100

85 64.2 51.6 77.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 46.529 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

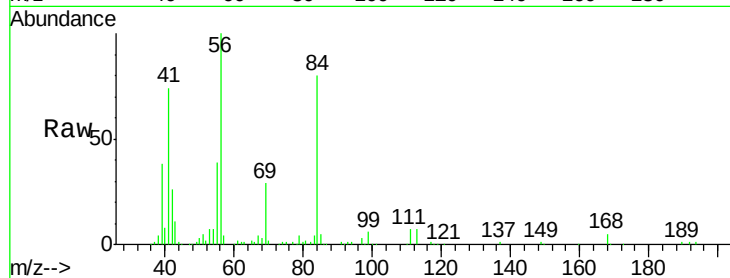
Tgt Ion: 56 Resp: 728705

Ion Ratio Lower Upper

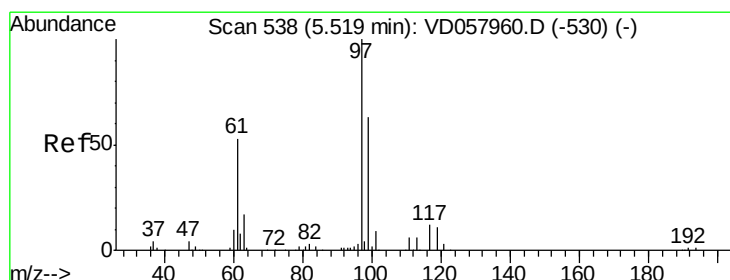
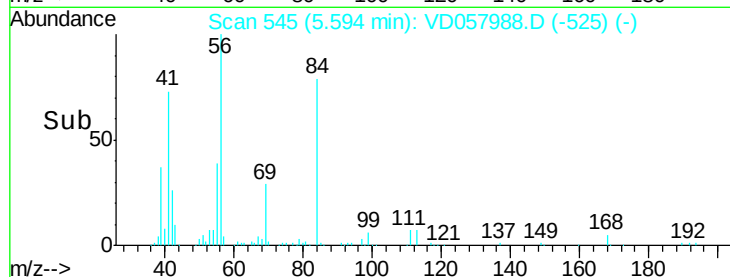
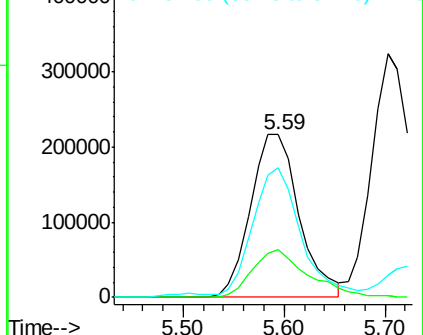
56 100

69 29.3 21.5 32.3

84 79.6 61.0 91.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 51.058 ug/l

RT: 5.51 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

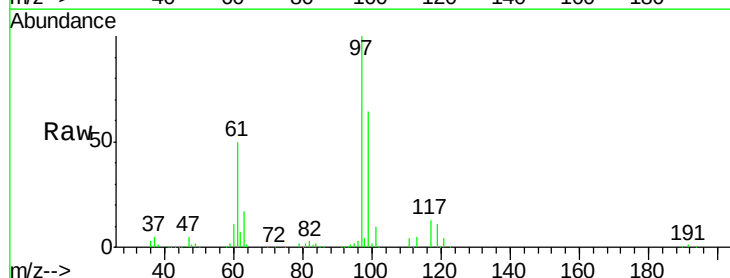
Tgt Ion: 97 Resp: 780807

Ion Ratio Lower Upper

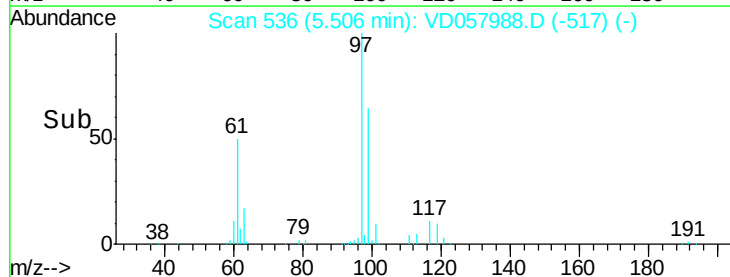
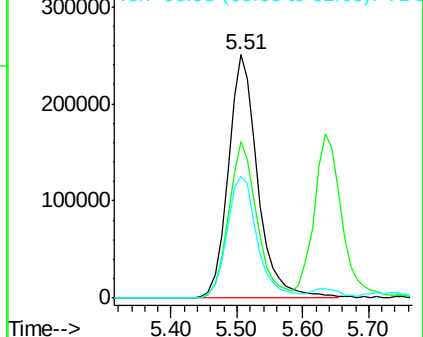
97 100

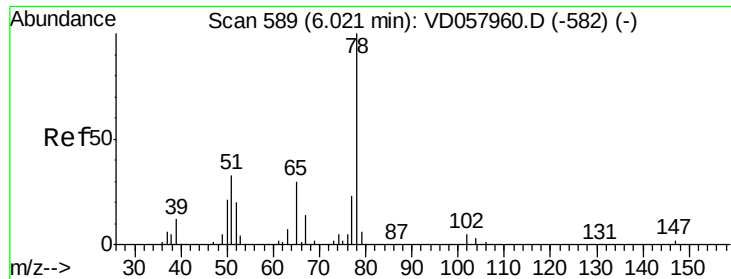
99 64.4 50.1 75.1

61 50.3 42.2 63.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

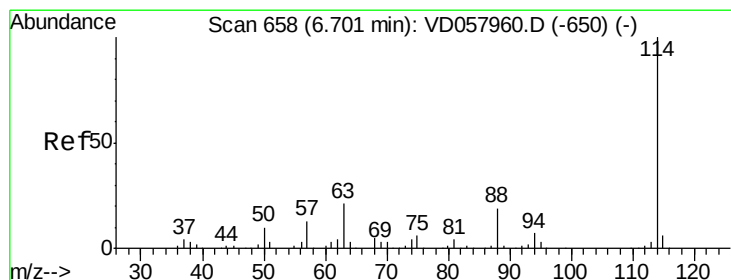
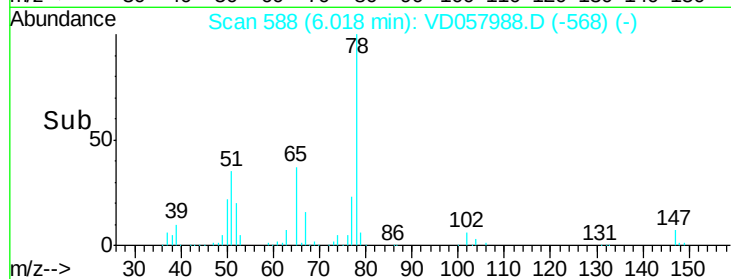
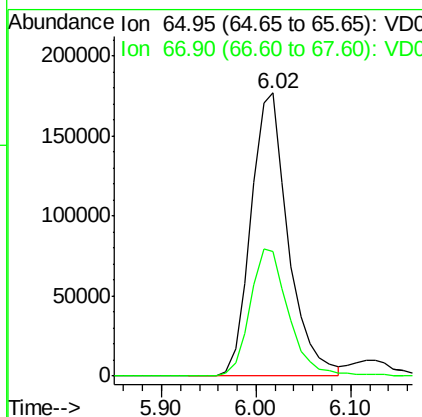
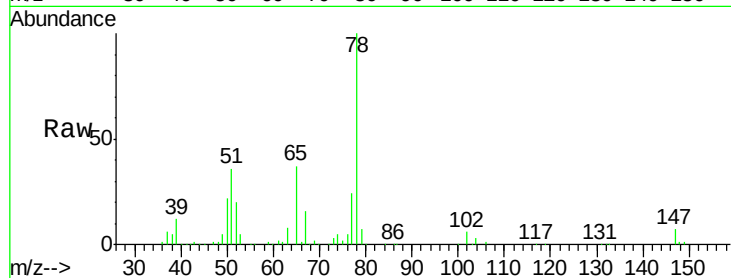




#33
 1,2-Dichloroethane-d4
 Concen: 51.058 ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

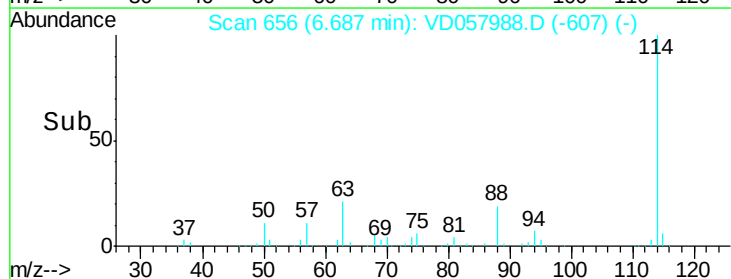
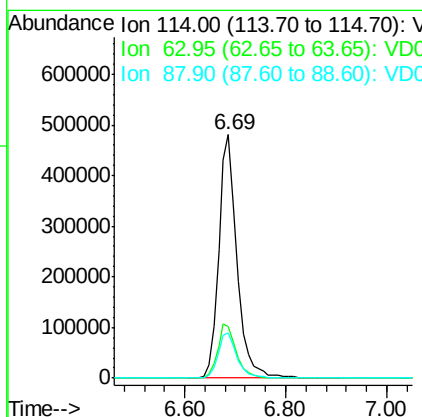
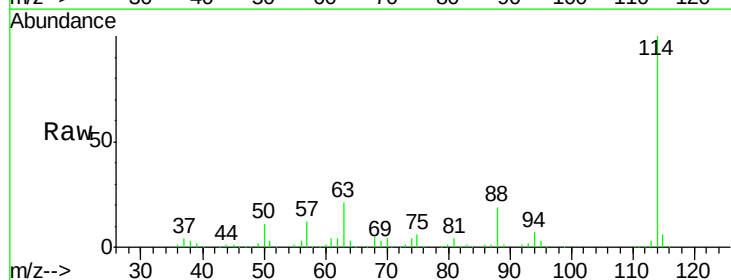
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

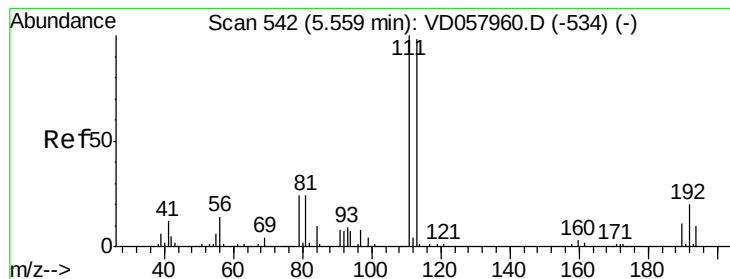
Tgt Ion: 65 Resp: 483709
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion: 114 Resp: 1214096
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 18.7 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

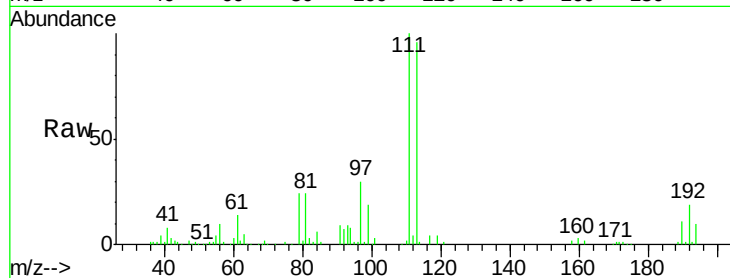
Tgt Ion:113 Resp: 484565

Ion Ratio Lower Upper

113 100

111 104.5 81.5 122.3

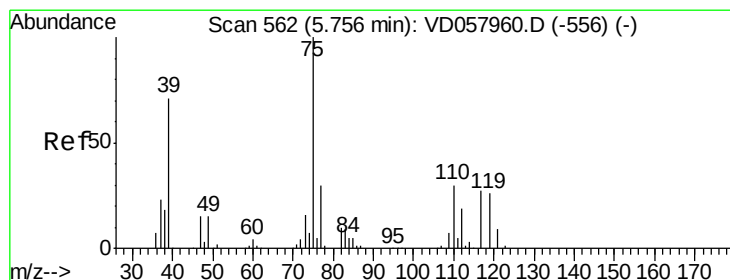
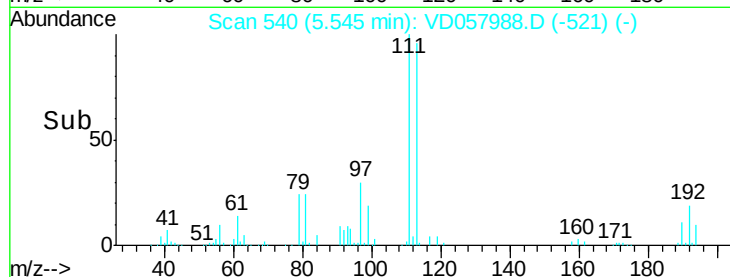
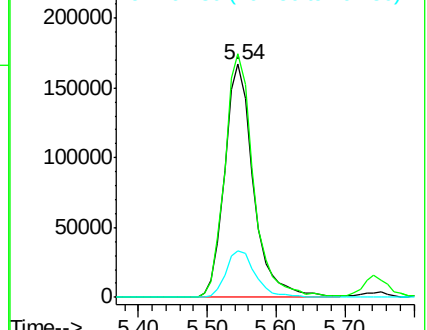
192 19.8 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.301 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

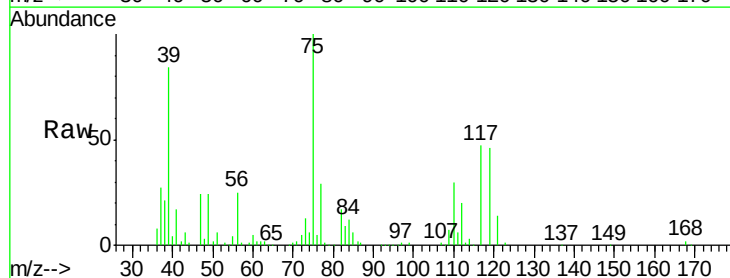
Tgt Ion: 75 Resp: 699590

Ion Ratio Lower Upper

75 100

110 29.7 14.8 44.3

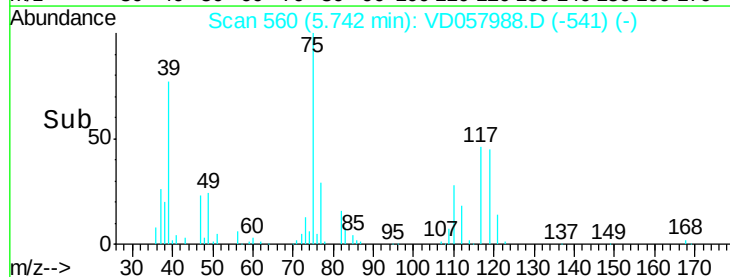
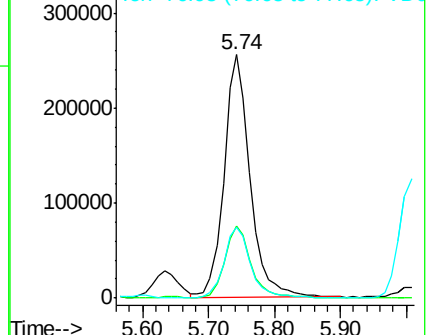
77 29.3 23.9 35.9

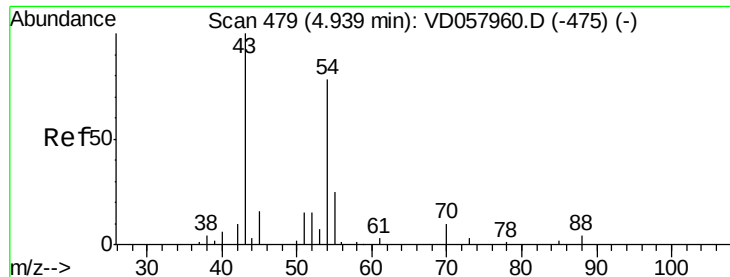


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 53.143 ug/l

RT: 4.92 min Scan# 477

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

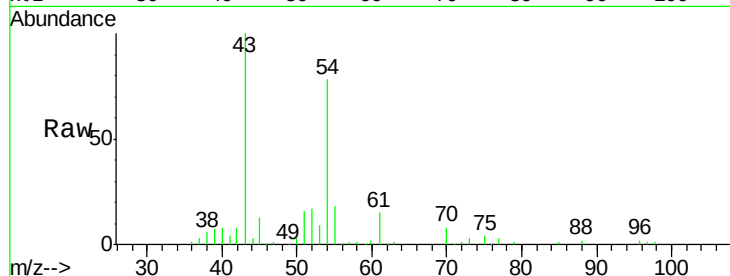
Tgt Ion: 43 Resp: 387875

Ion Ratio Lower Upper

43 100

61 14.9 9.9 14.9#

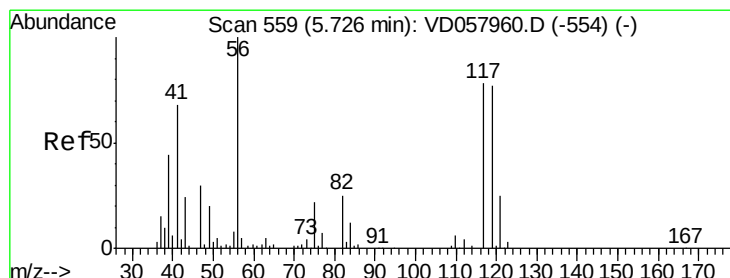
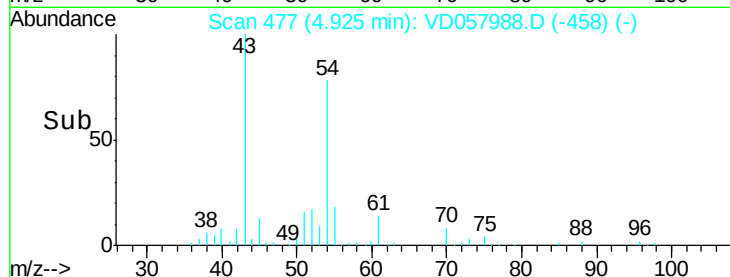
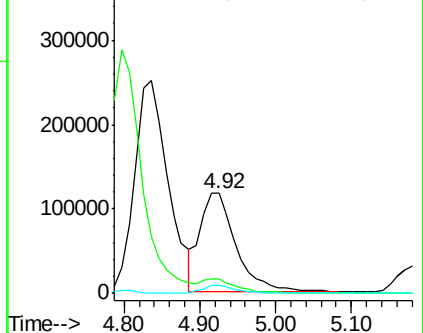
70 8.0 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 51.649 ug/l

RT: 5.72 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

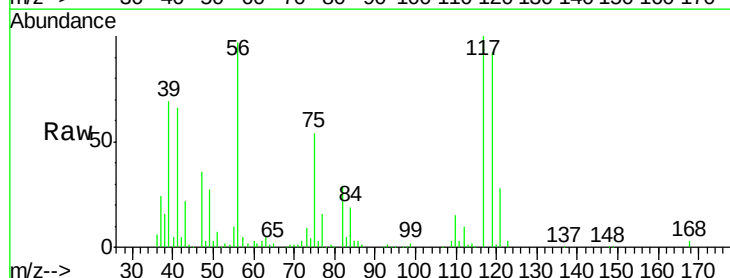
Tgt Ion: 117 Resp: 680876

Ion Ratio Lower Upper

117 100

119 92.2 76.1 114.1

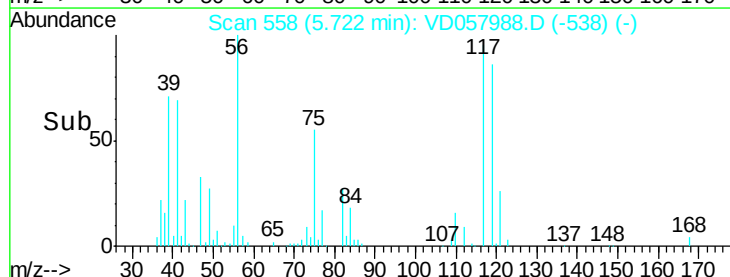
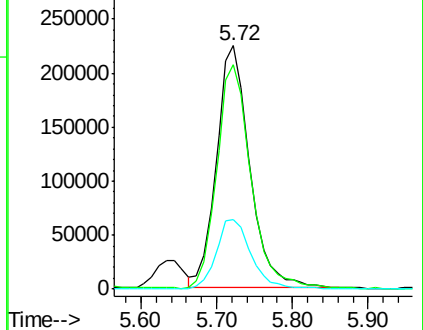
121 28.5 24.9 37.3

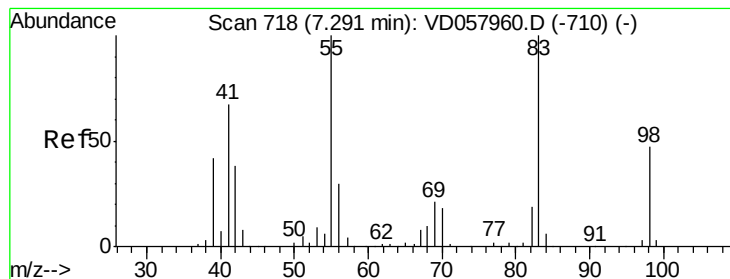


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 50.455 ug/l

RT: 7.28 min Scan# 716

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

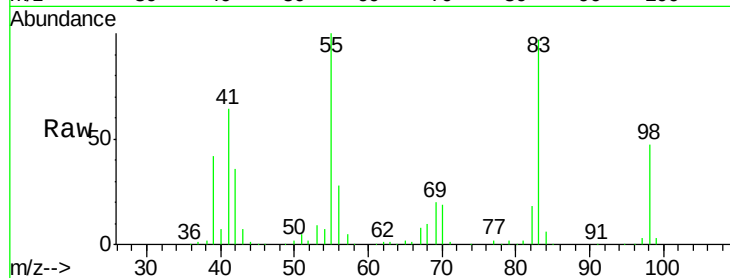
Tgt Ion: 83 Resp: 669027

Ion Ratio Lower Upper

83 100

55 103.0 80.3 120.5

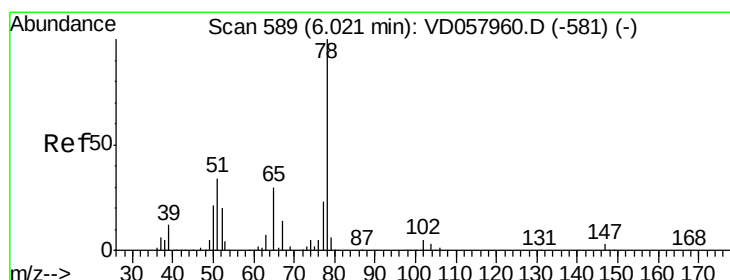
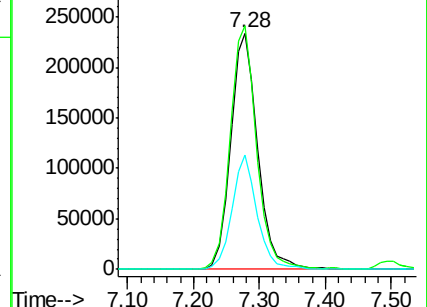
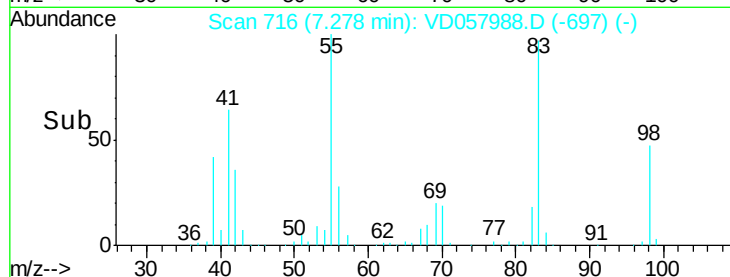
98 48.2 38.0 57.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.895 ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD057988.D

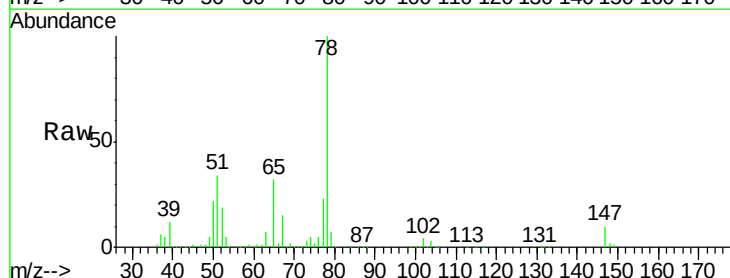
Acq: 7 Jun 2018 23:52

Tgt Ion: 78 Resp: 1590341

Ion Ratio Lower Upper

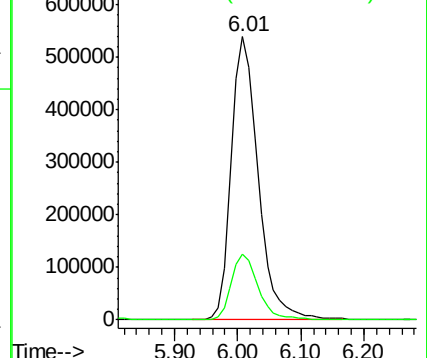
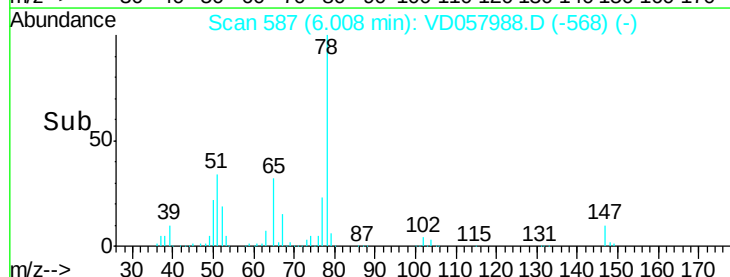
78 100

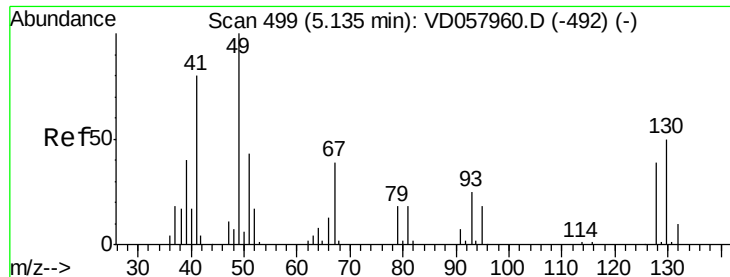
77 23.2 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

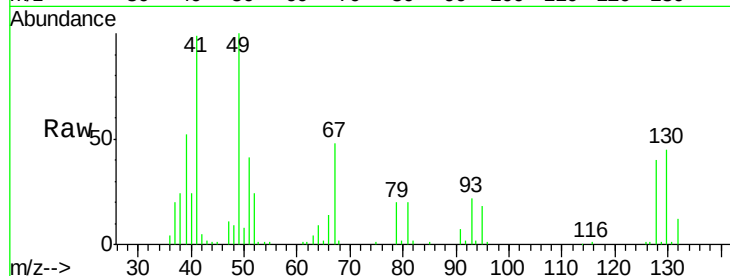




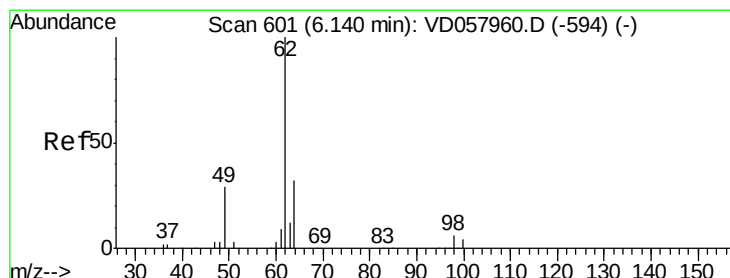
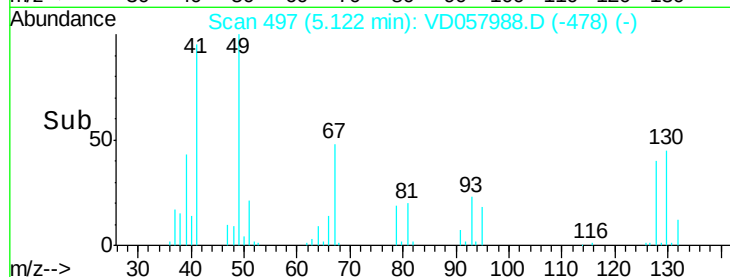
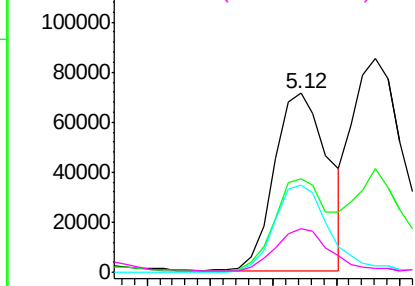
#41
Methacrylonitrile
Concen: 63.652 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	212421
Ion	Ratio	Lower	Upper
41	100		
39	52.1	40.7	61.1
67	48.6	38.8	58.2
52	24.4	17.3	25.9

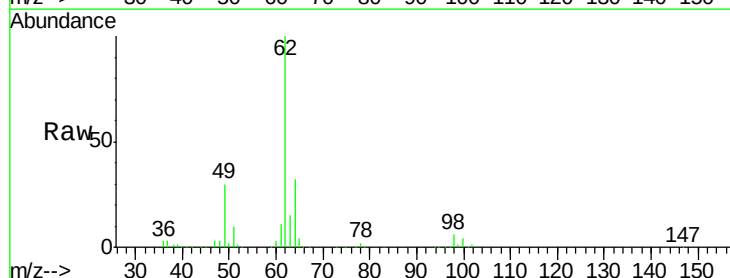


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

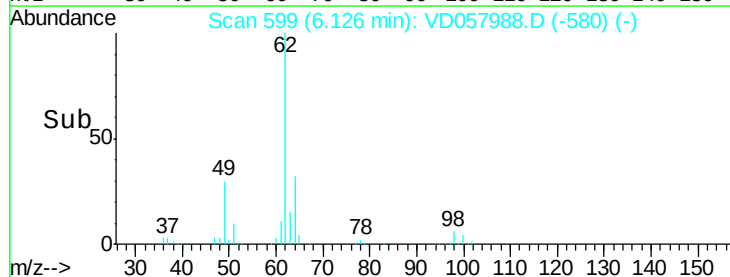
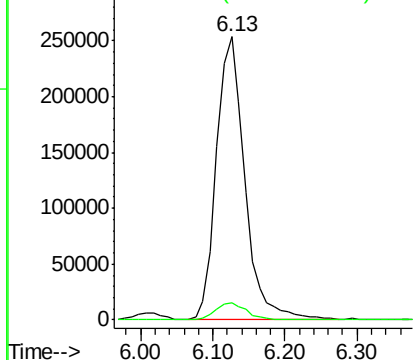


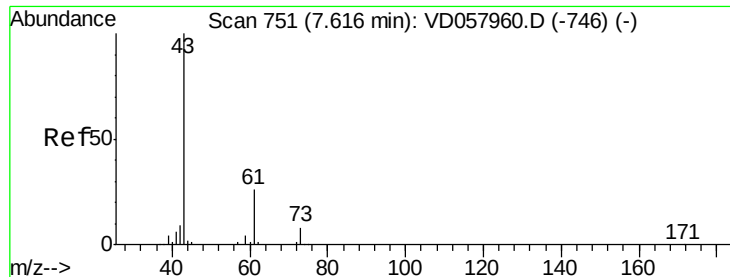
#42
1,2-Dichloroethane
Concen: 54.177 ug/l
RT: 6.13 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion:	62	Resp:	684468
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

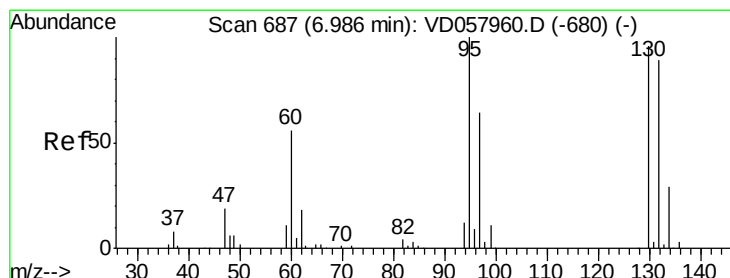
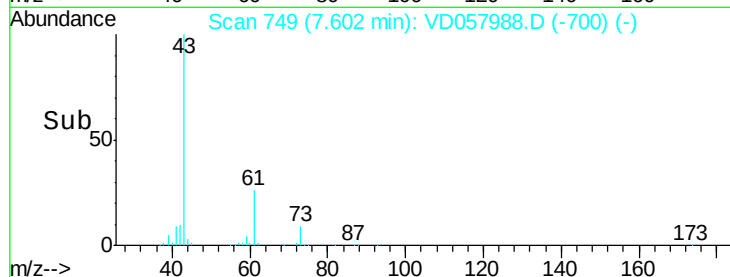
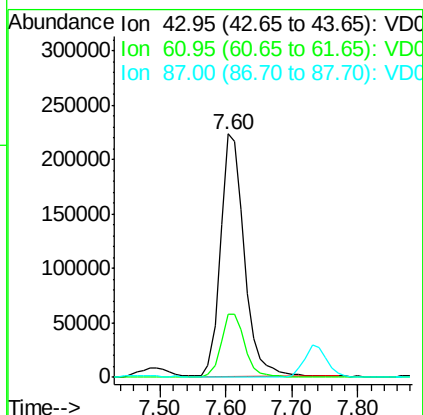
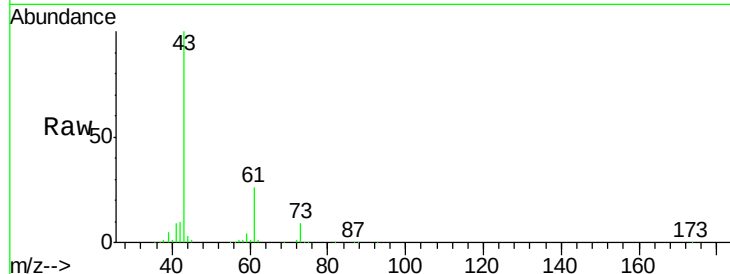




#43
Isopropyl Acetate
Concen: 58.603 ug/l
RT: 7.60 min Scan# 749
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

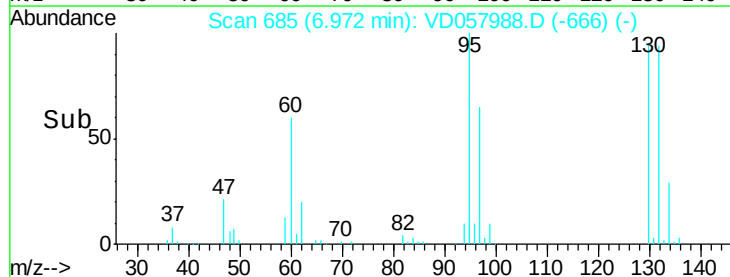
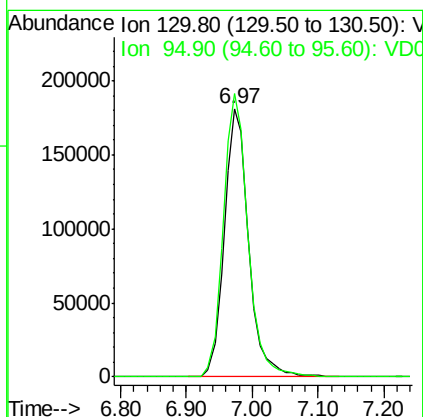
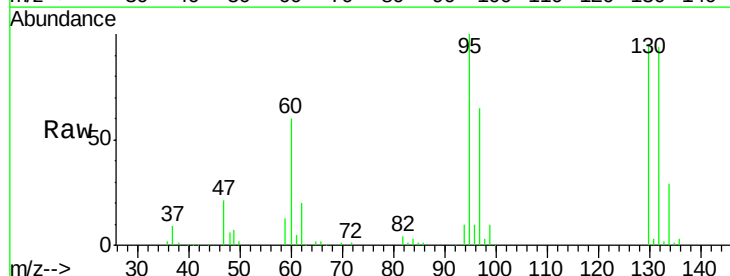
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

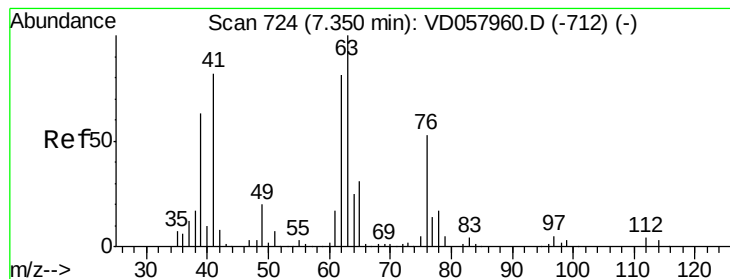
Tgt Ion: 43 Resp: 560251
Ion Ratio Lower Upper
43 100
61 25.7 20.6 30.8
87 0.2 0.2 0.4



#44
Trichloroethene
Concen: 51.227 ug/l
RT: 6.97 min Scan# 685
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion: 130 Resp: 467558
Ion Ratio Lower Upper
130 100
95 105.5 0.0 207.4





#45

1,2-Dichloropropane

Concen: 52.404 ug/l

RT: 7.34 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

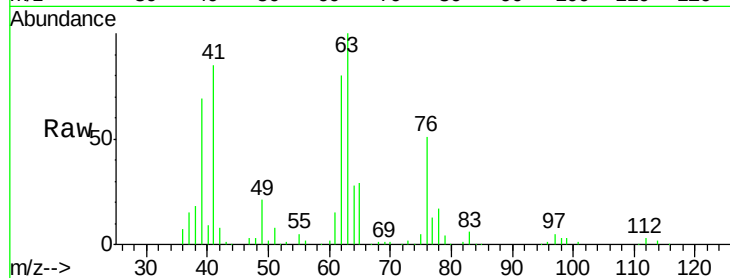
VSTDCCC050

Tgt Ion: 63 Resp: 455112

Ion Ratio Lower Upper

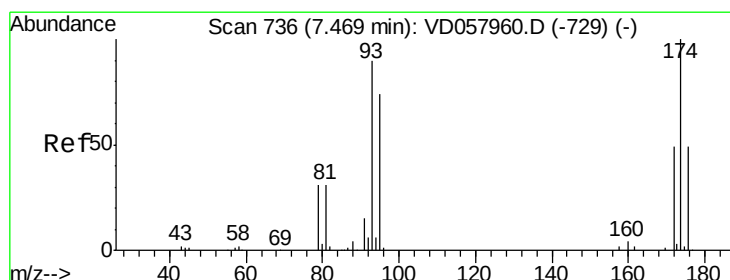
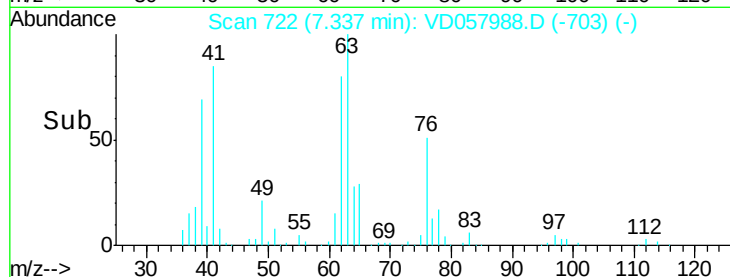
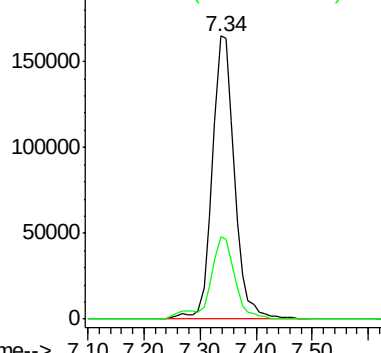
63 100

65 29.2 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.261 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

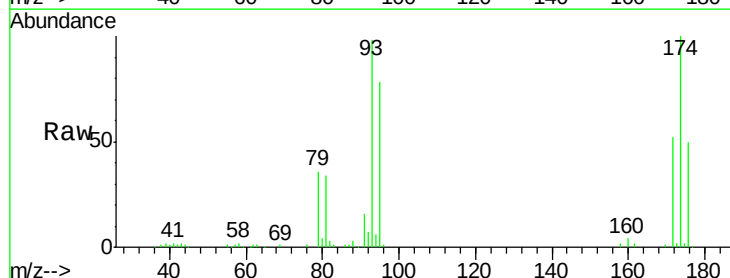
Tgt Ion: 93 Resp: 308304

Ion Ratio Lower Upper

93 100

95 79.8 65.7 98.5

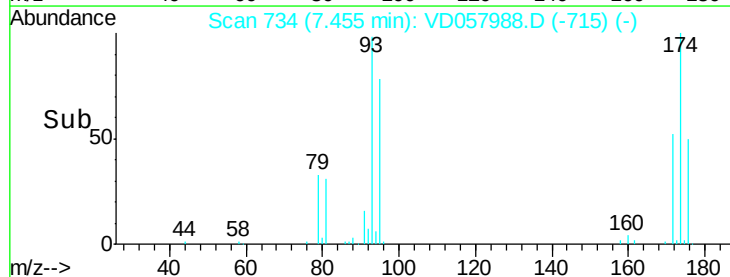
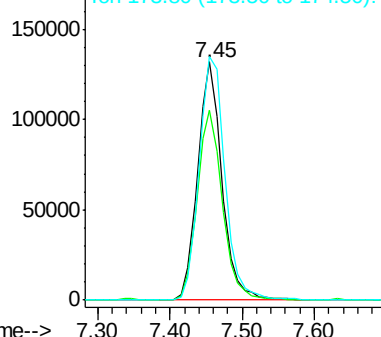
174 102.3 89.0 133.4

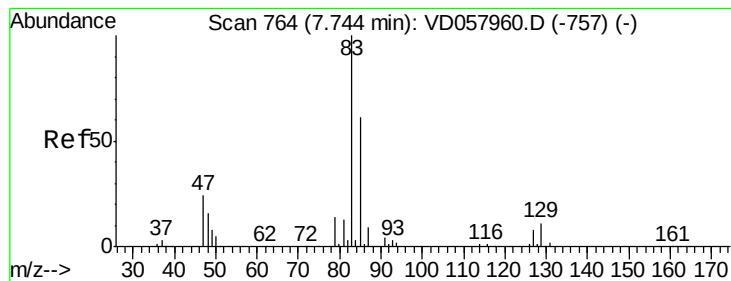


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.451 ug/l

RT: 7.73 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

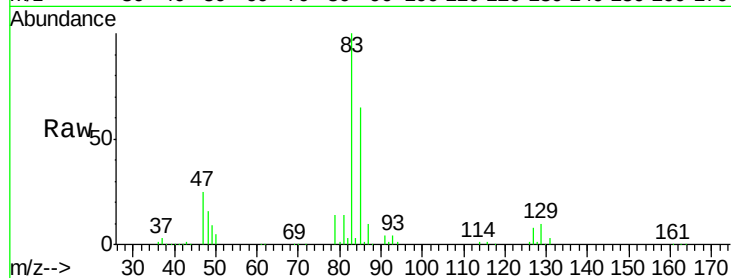
Tgt Ion: 83 Resp: 711282

Ion Ratio Lower Upper

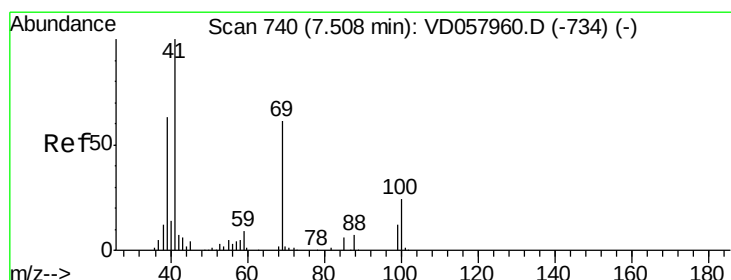
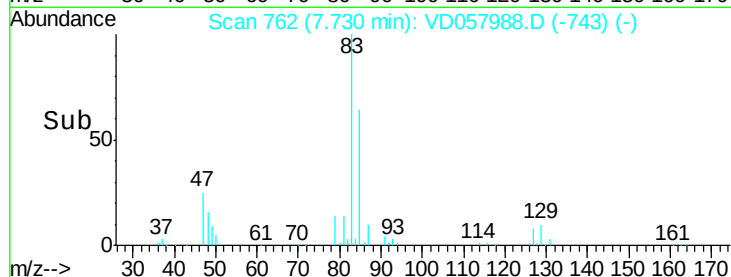
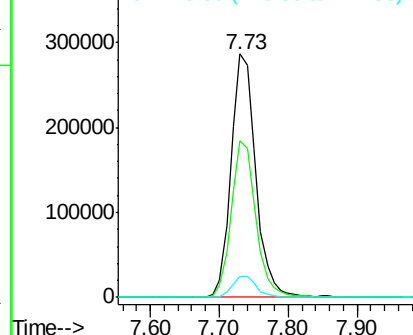
83 100

85 64.5 49.1 73.7

127 8.4 6.2 9.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 55.285 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

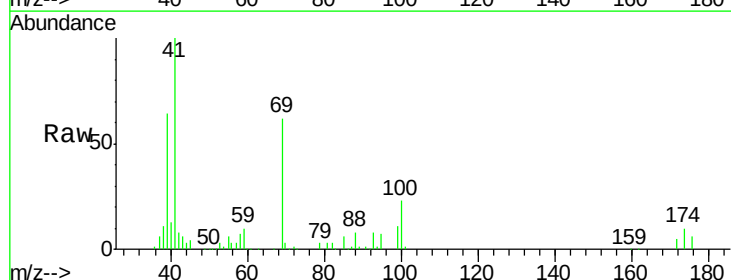
Tgt Ion: 41 Resp: 325302

Ion Ratio Lower Upper

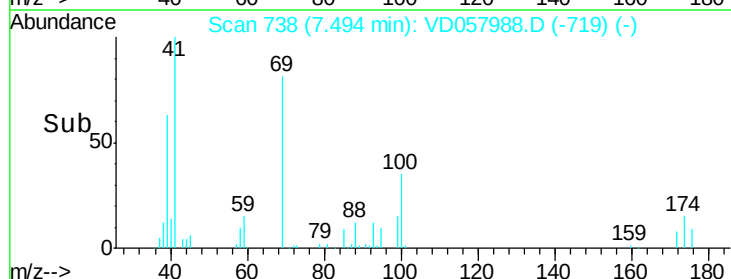
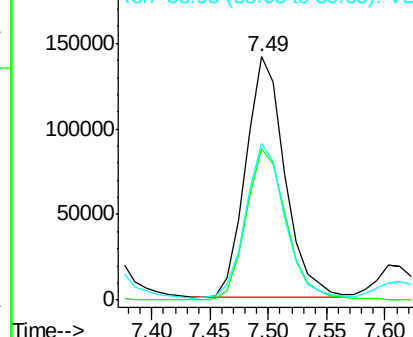
41 100

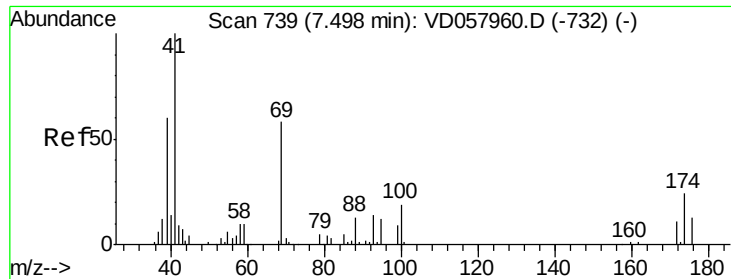
69 62.2 48.0 72.0

39 64.4 50.7 76.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

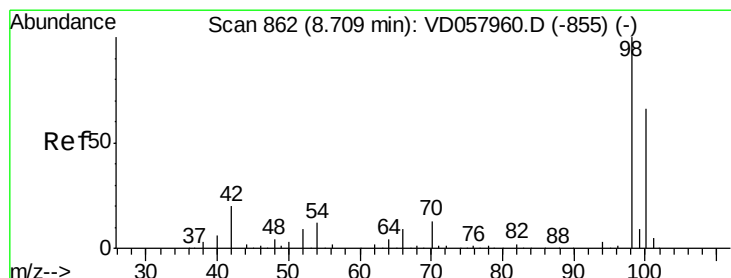
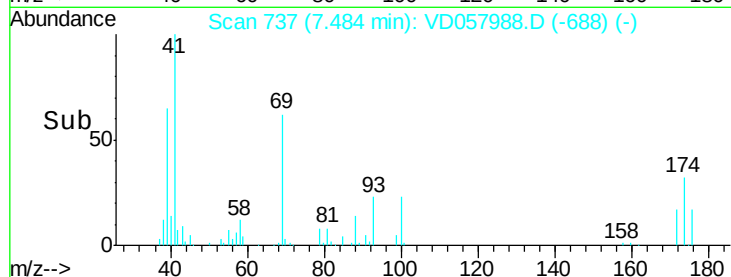
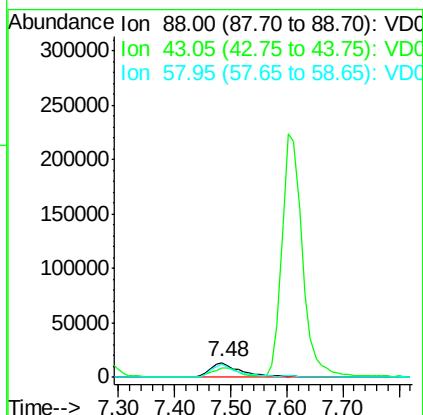
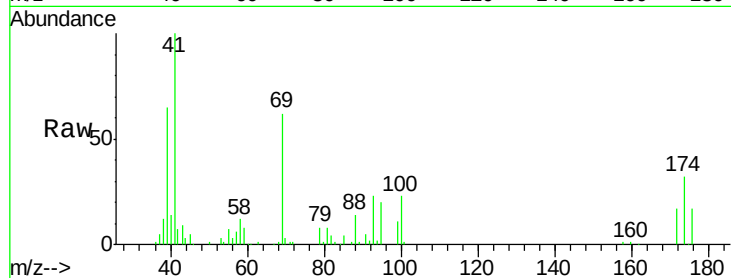




#49
 1,4-Dioxane
 Concen: 1089.286 ug/l
 RT: 7.48 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

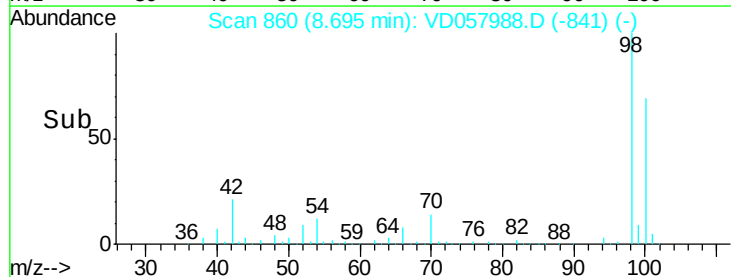
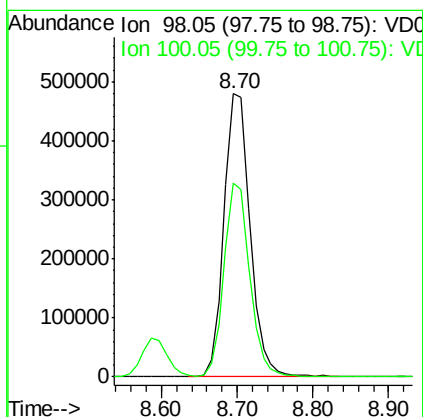
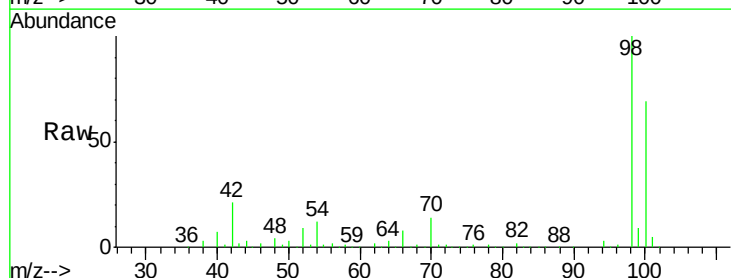
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

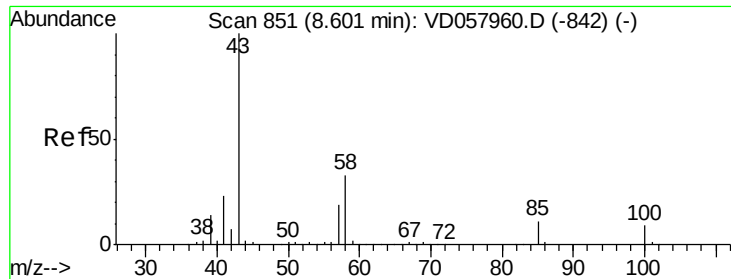
Tgt Ion: 88 Resp: 53098
 Ion Ratio Lower Upper
 88 100
 43 61.3 46.6 69.8
 58 85.4 63.6 95.4



#50
 Toluene-d8
 Concen: 1089.286 ug/l
 RT: 8.70 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion: 98 Resp: 1148988
 Ion Ratio Lower Upper
 98 100
 100 68.6 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 286.856 ug/l

RT: 8.59 min Scan# 849

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

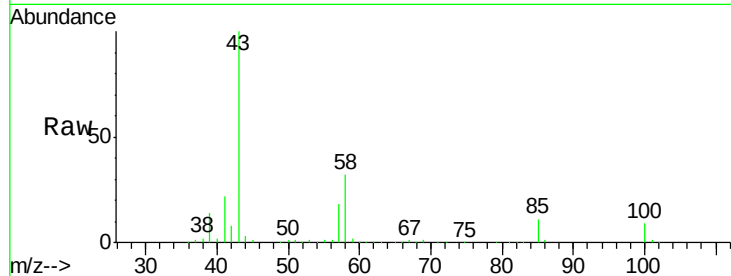
VSTDCCC050

Tgt Ion: 43 Resp: 1758986

Ion Ratio Lower Upper

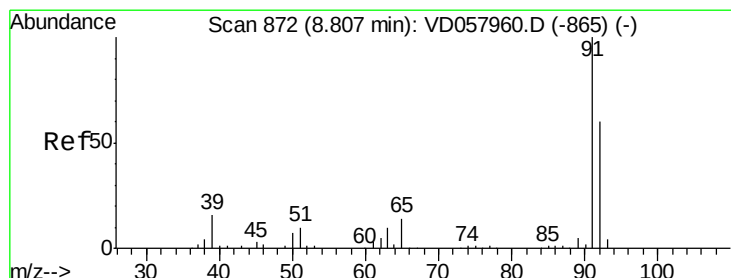
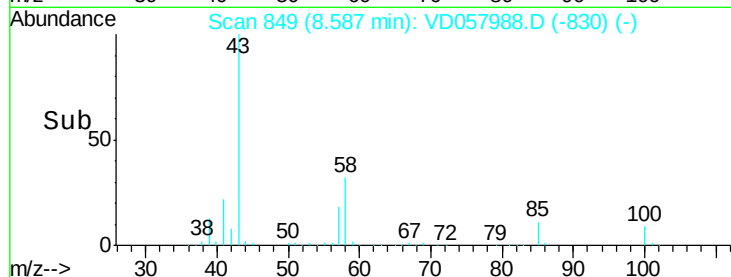
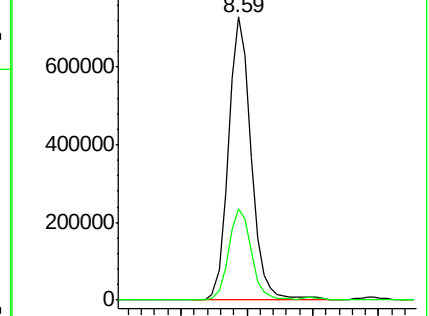
43 100

58 32.5 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.486 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD057988.D

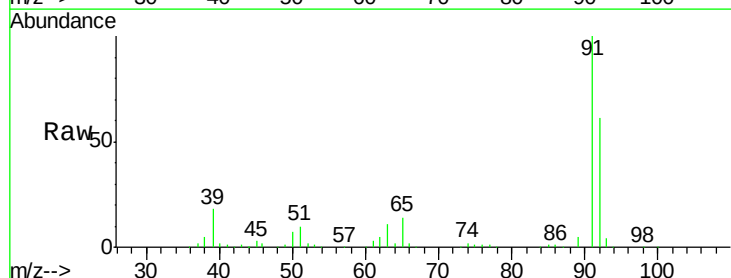
Acq: 7 Jun 2018 23:52

Tgt Ion: 92 Resp: 887449

Ion Ratio Lower Upper

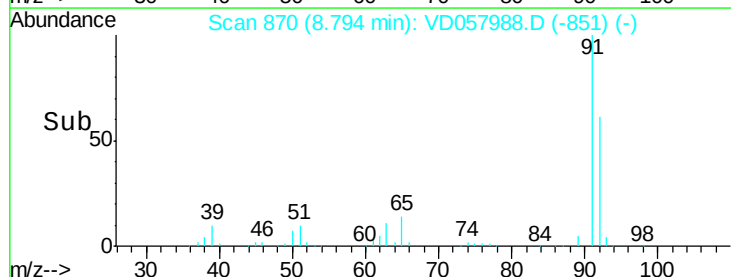
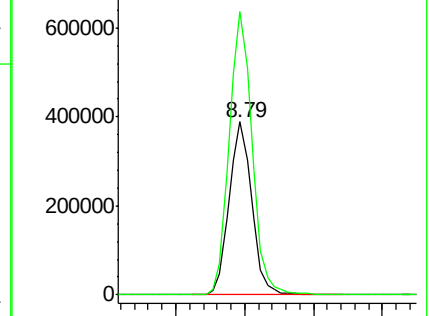
92 100

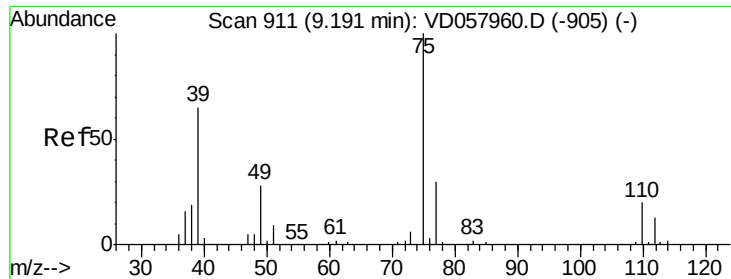
91 163.4 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

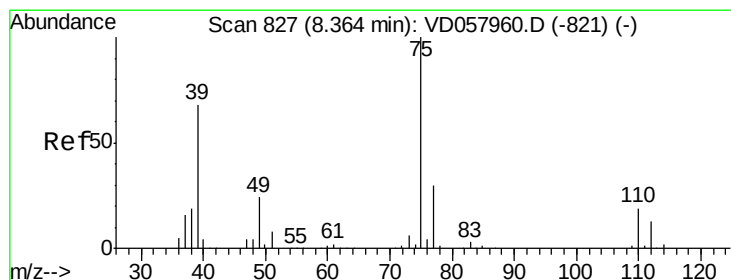
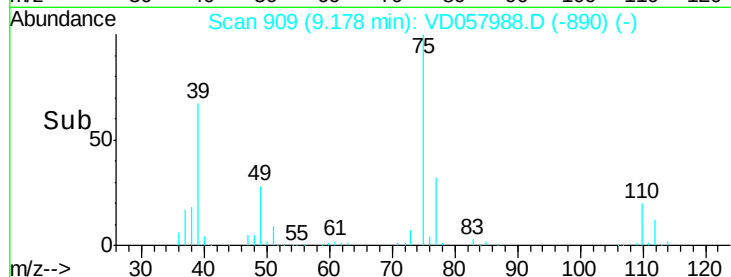
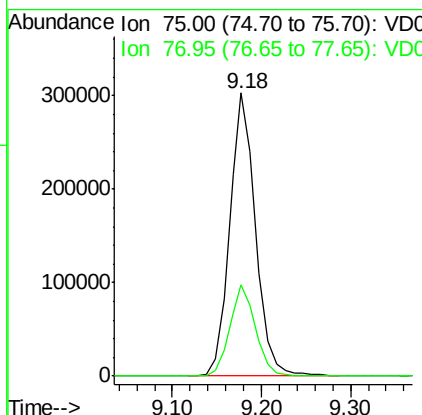
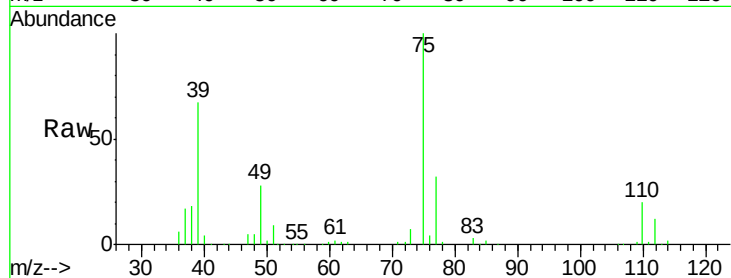




#53
 t-1,3-Dichloropropene
 Concen: 54.524 ug/l
 RT: 9.18 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

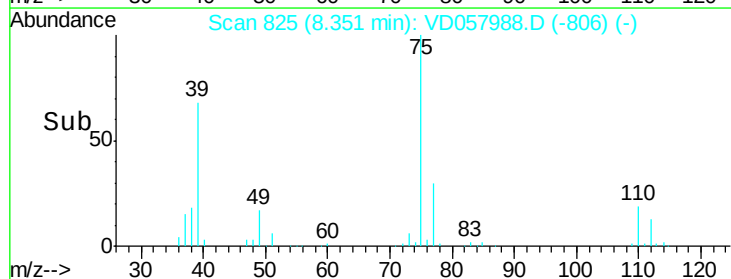
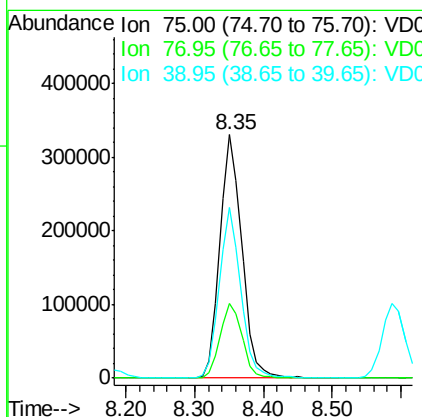
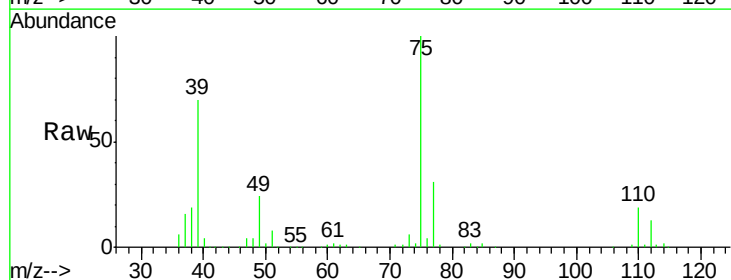
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

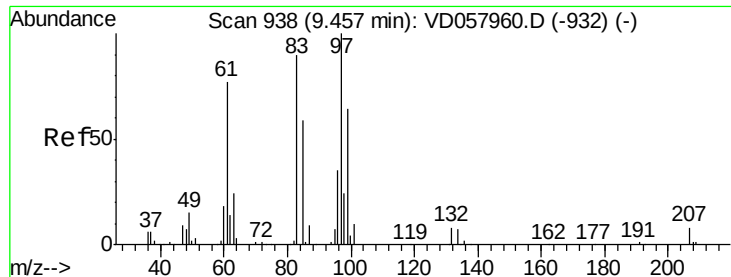
Tgt Ion: 75 Resp: 613623
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 55.423 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion: 75 Resp: 734839
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.1 36.1
 39 70.3 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 53.834 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 312451

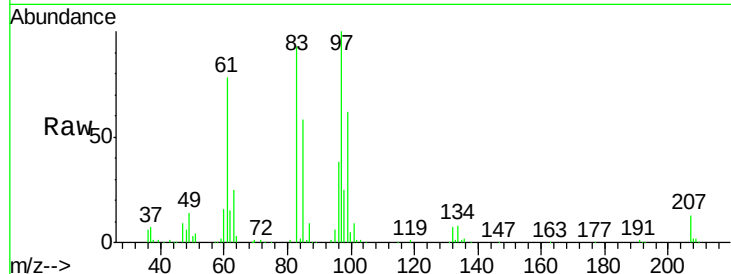
Ion Ratio Lower Upper

97 100

83 93.5 71.8 107.8

85 58.0 47.2 70.8

99 61.7 51.4 77.0

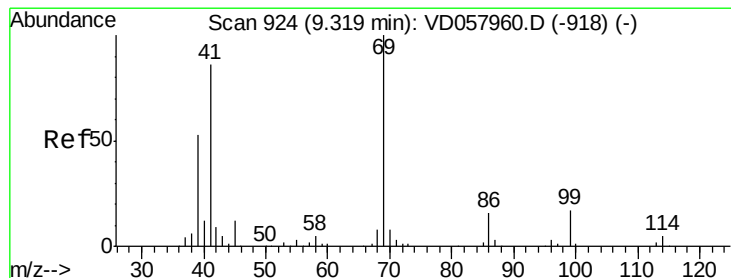
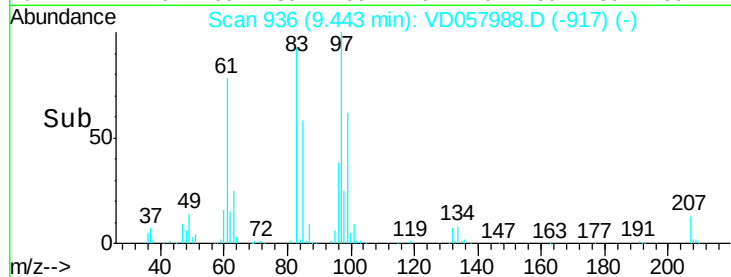
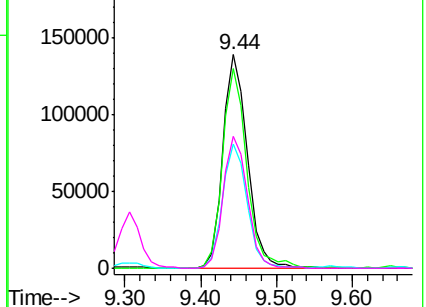


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 56.538 ug/l

RT: 9.31 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

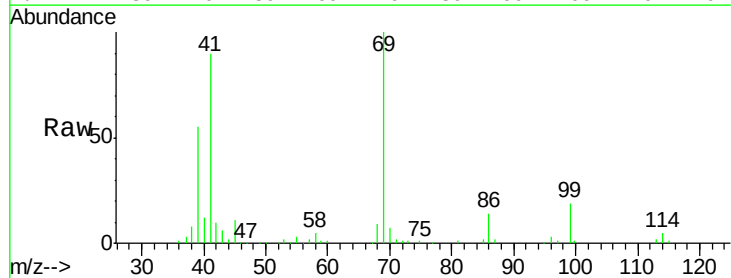
Tgt Ion: 69 Resp: 402520

Ion Ratio Lower Upper

69 100

41 89.8 68.4 102.6

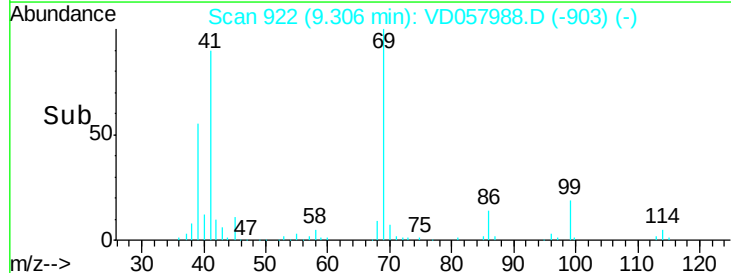
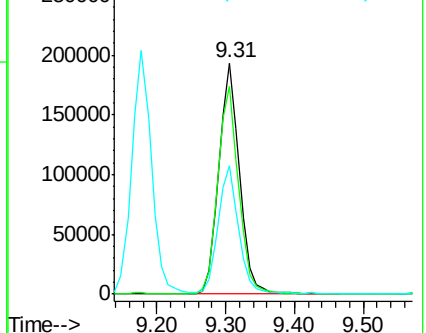
39 55.3 43.0 64.4

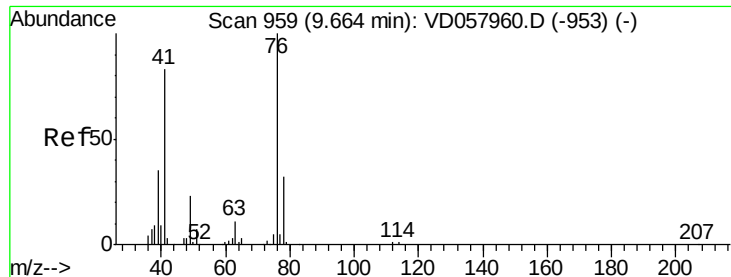


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

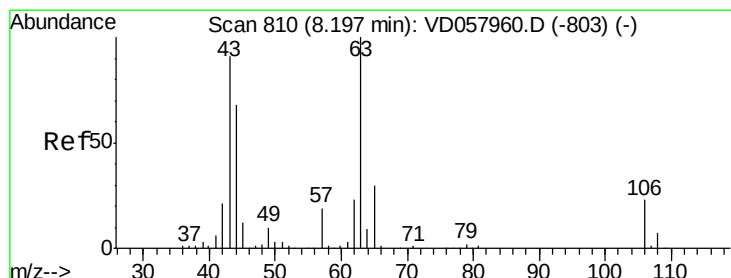
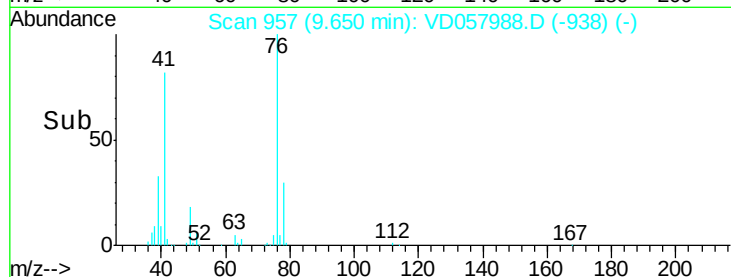
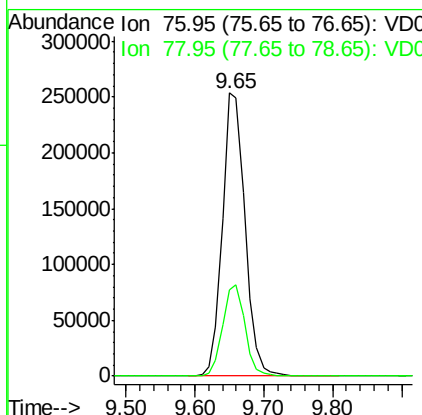
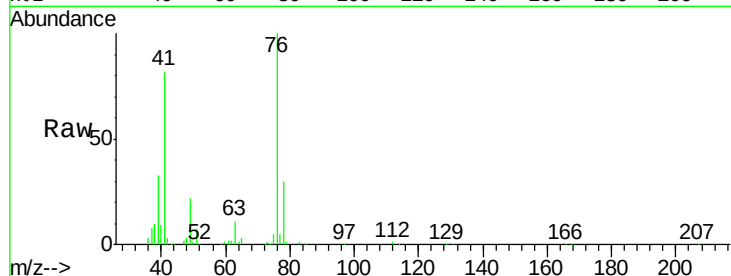




#57
 1,3-Dichloropropane
 Concen: 56.670 ug/l
 RT: 9.65 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

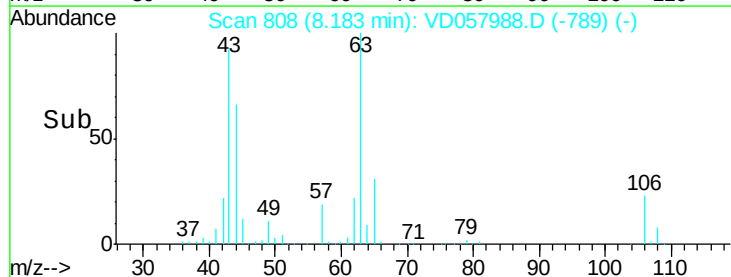
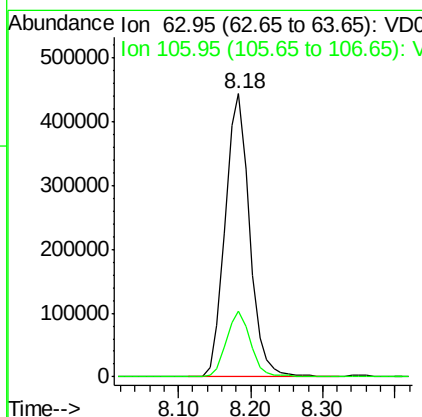
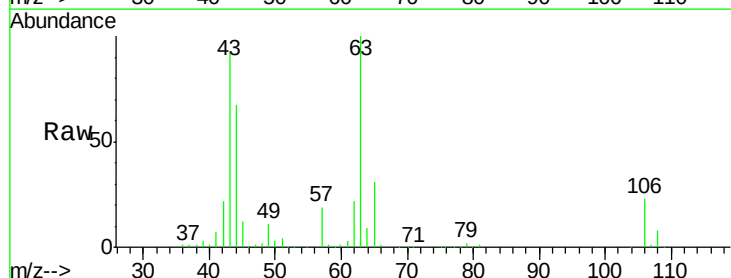
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

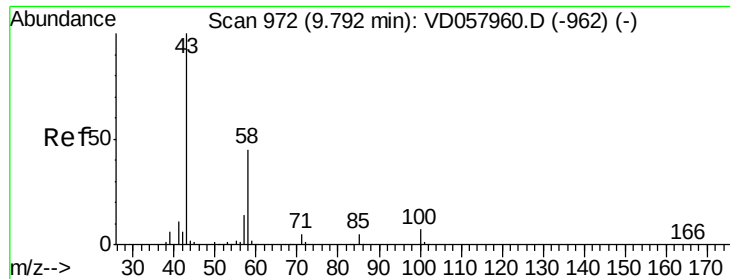
Tgt Ion: 76 Resp: 576875
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.531 ug/l
 RT: 8.18 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion: 63 Resp: 1048619
 Ion Ratio Lower Upper
 63 100
 106 23.3 18.7 28.1

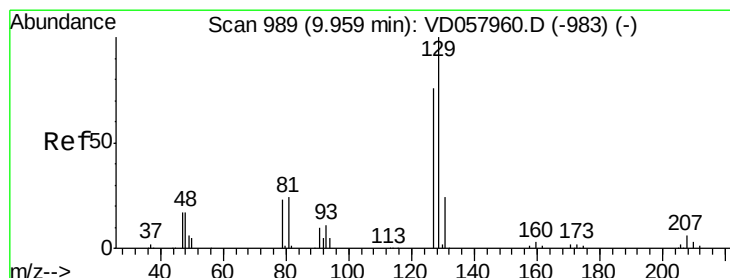
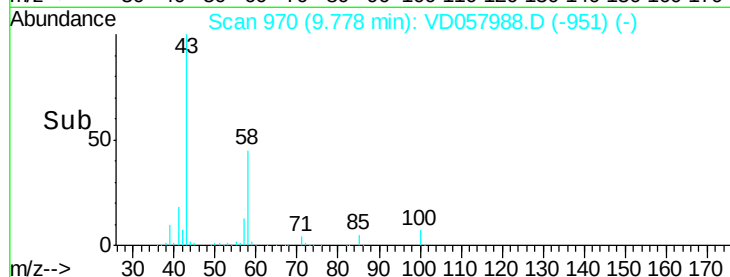
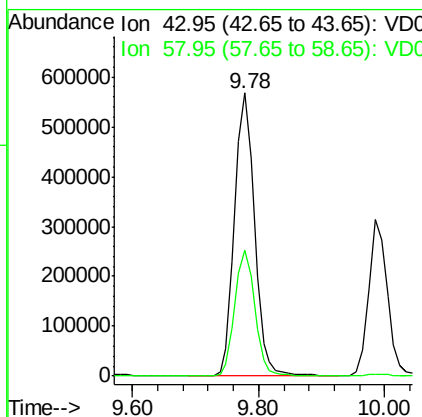
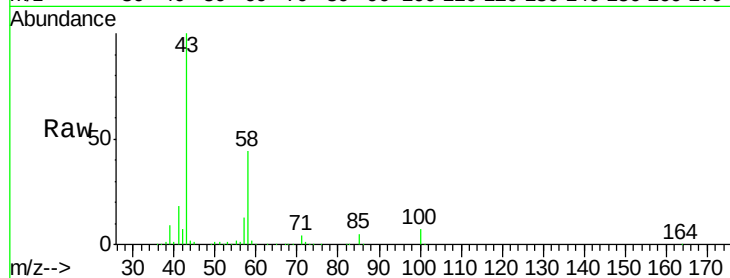




#59
2-Hexanone
Concen: 277.638 ug/l
RT: 9.78 min Scan# 970
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

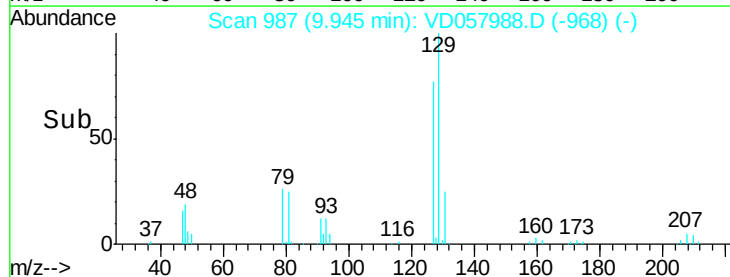
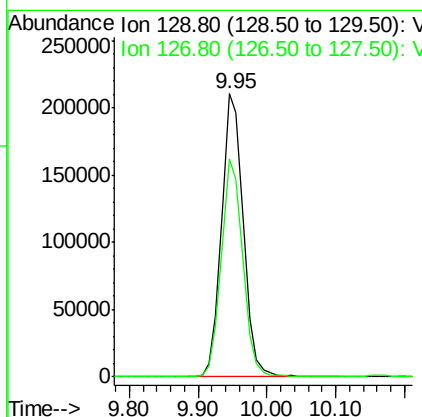
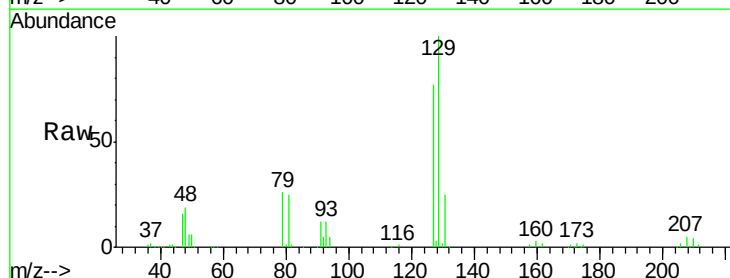
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

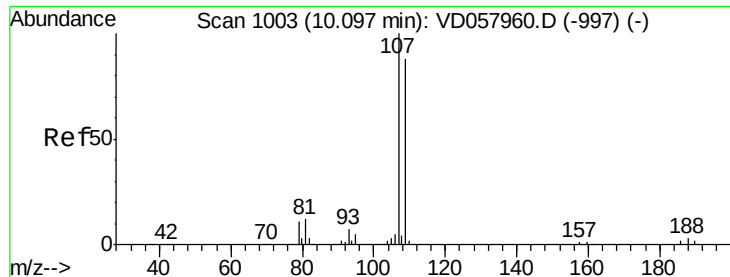
Tgt Ion: 43 Resp: 1247629
Ion Ratio Lower Upper
43 100
58 44.4 22.5 67.5



#60
Dibromochloromethane
Concen: 56.081 ug/l
RT: 9.95 min Scan# 987
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion: 129 Resp: 458991
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 55.558 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

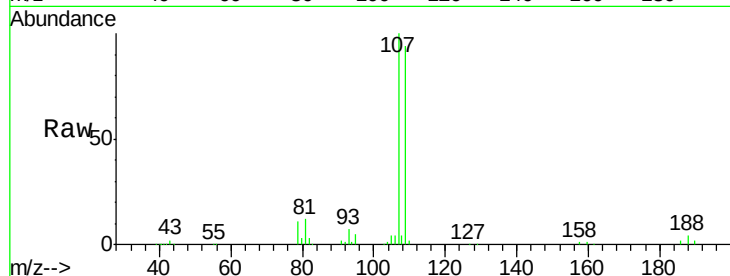
VSTDCCC050

Tgt Ion: 107 Resp: 370827

Ion Ratio Lower Upper

107 100

109 94.0 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

200000

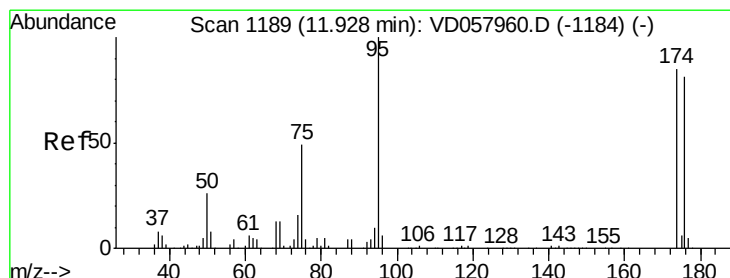
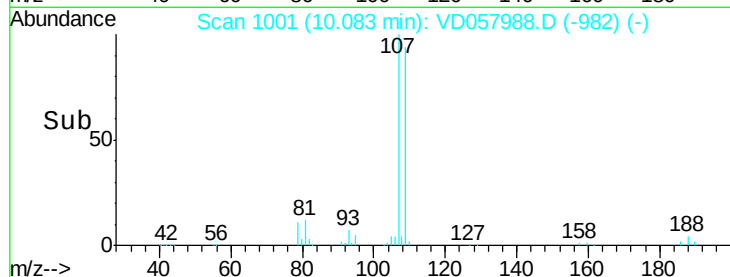
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.558 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

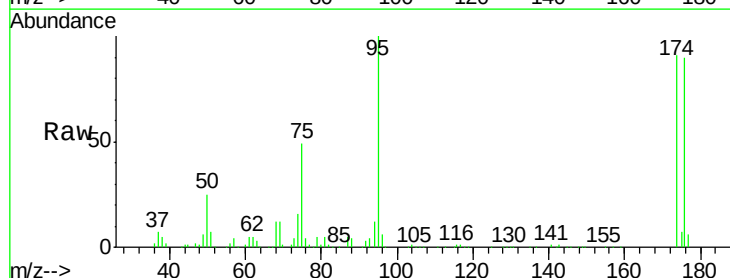
Tgt Ion: 95 Resp: 501388

Ion Ratio Lower Upper

95 100

174 91.4 0.0 169.4

176 90.2 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

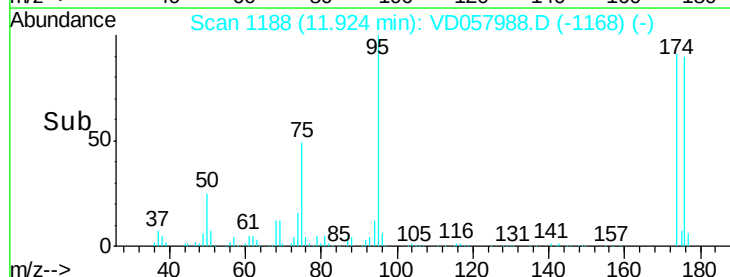
300000

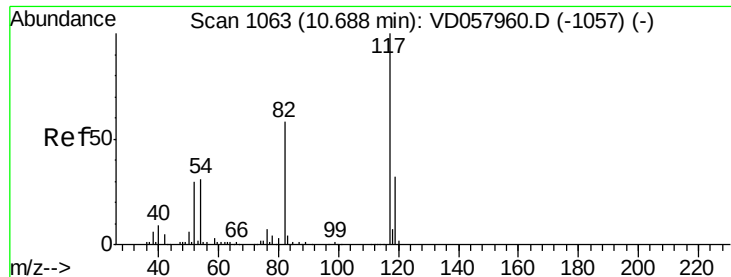
200000

100000

0

Time-->

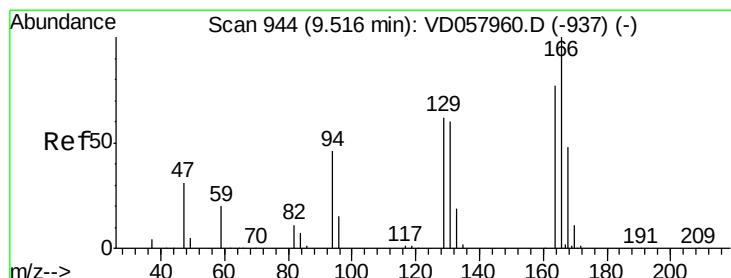
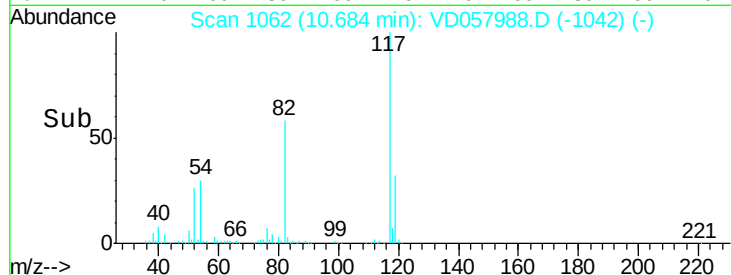
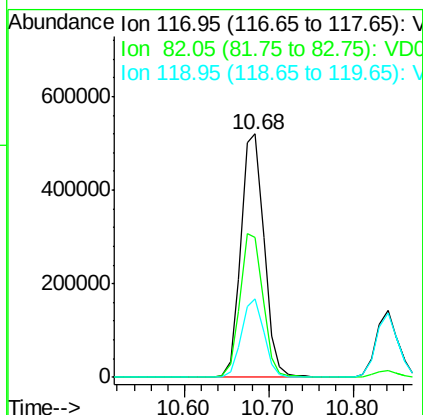
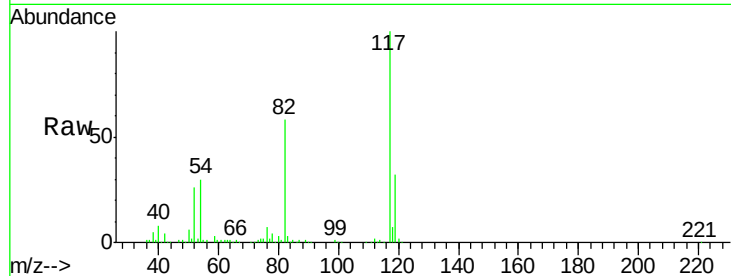




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

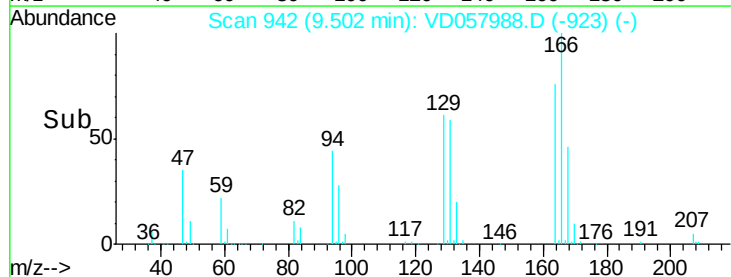
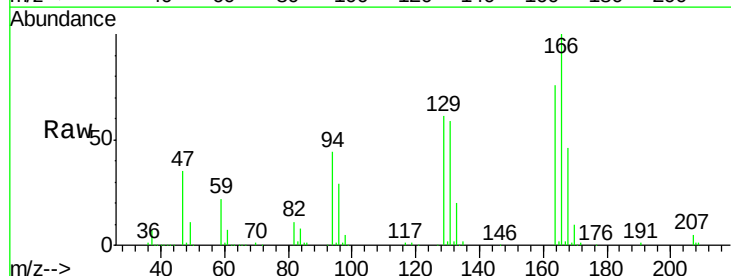
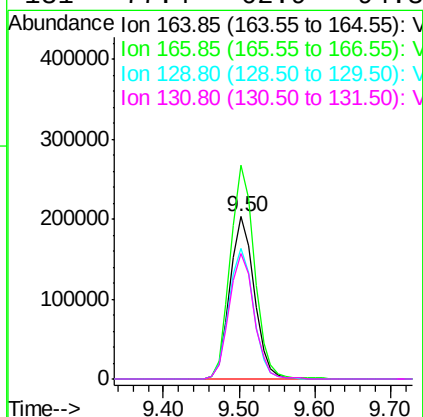
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

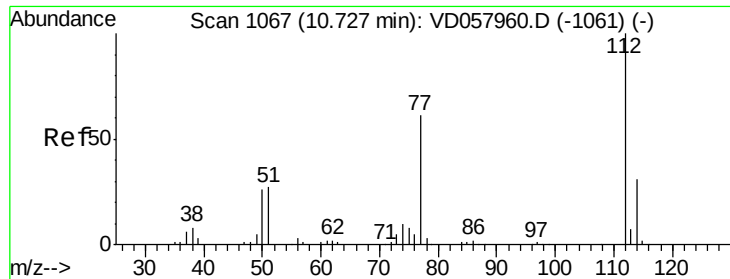
Tgt Ion:117 Resp: 1002019
Ion Ratio Lower Upper
117 100
82 57.7 46.8 70.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 50.327 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion:164 Resp: 450830
Ion Ratio Lower Upper
164 100
166 131.8 104.4 156.6
129 80.4 65.0 97.6
131 77.4 62.9 94.3





#65

Chlorobenzene

Concen: 49.753 ug/l

RT: 10.71 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

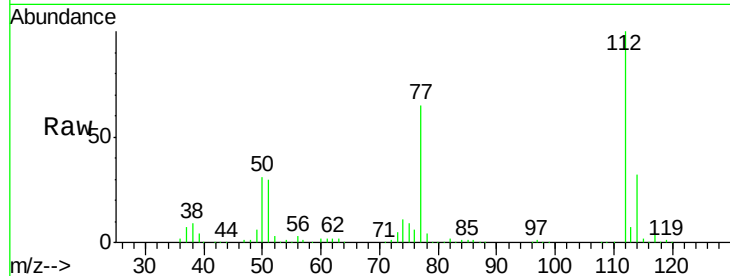
VSTDCCC050

Tgt Ion:112 Resp: 1009246

Ion Ratio Lower Upper

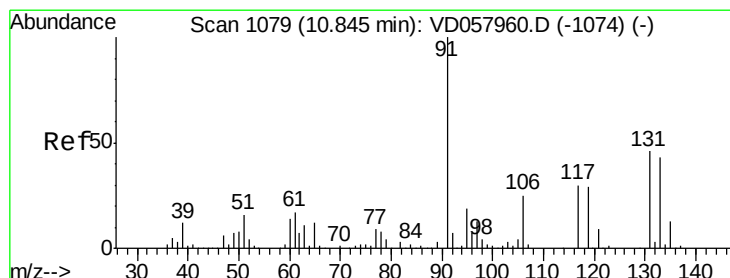
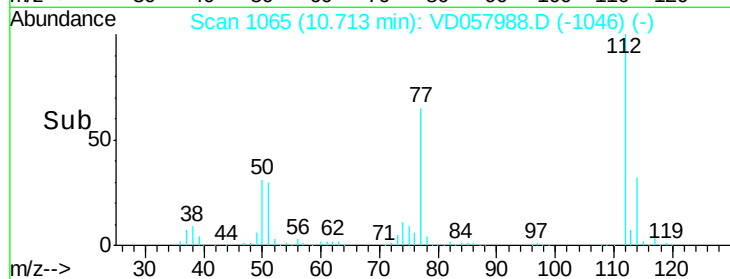
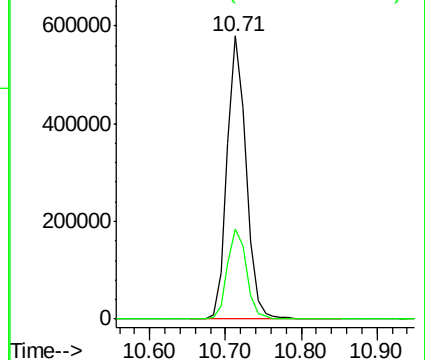
112 100

114 32.0 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.360 ug/l

RT: 10.84 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

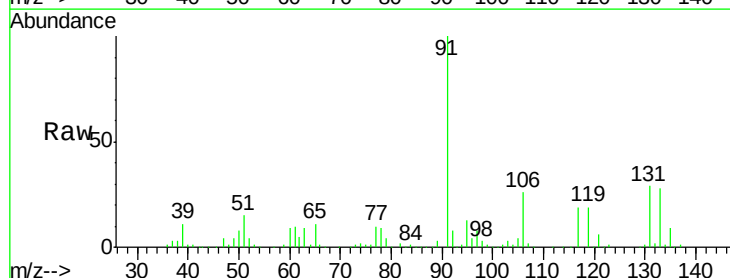
Tgt Ion:131 Resp: 392486

Ion Ratio Lower Upper

131 100

133 94.7 46.9 140.6

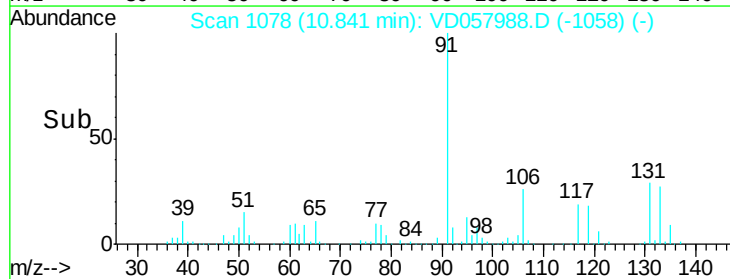
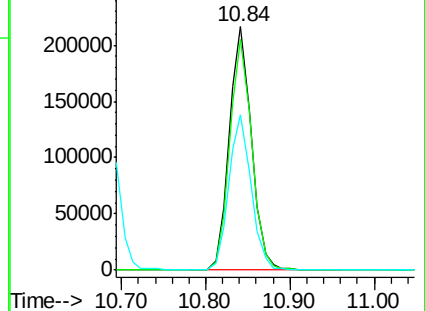
119 63.7 31.8 95.3

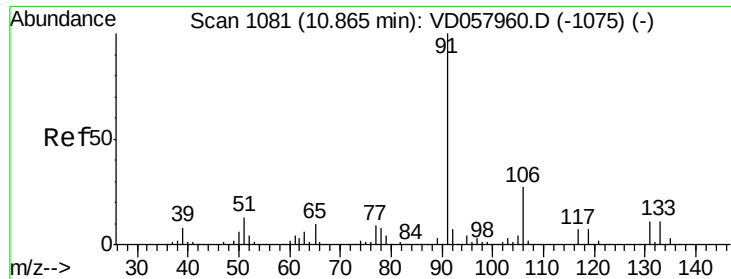


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

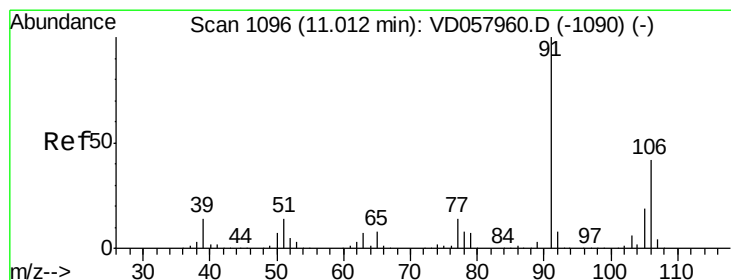
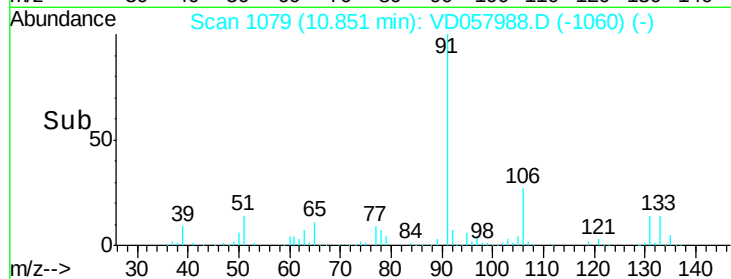
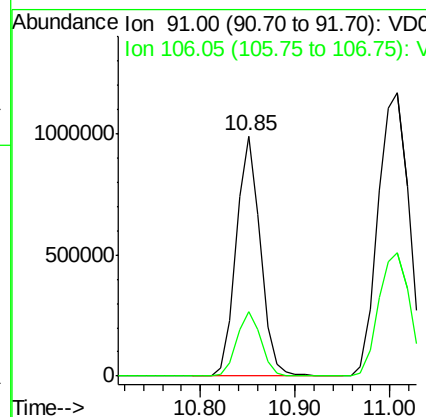
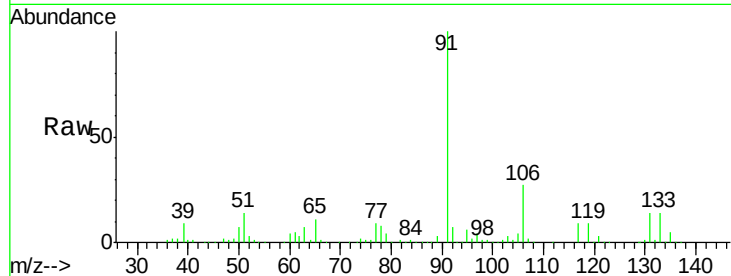




#67
Ethyl Benzene
Concen: 47.748 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

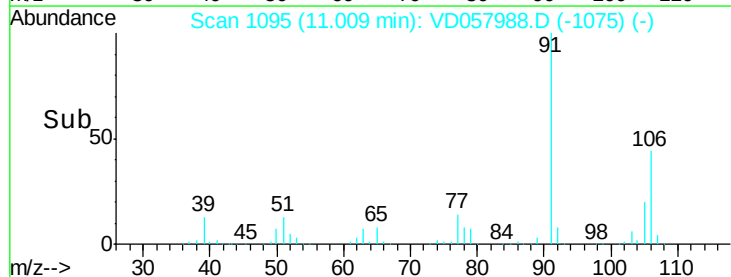
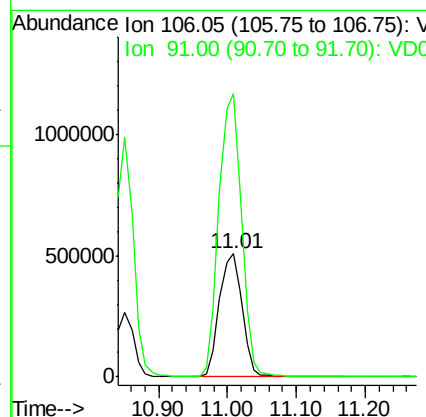
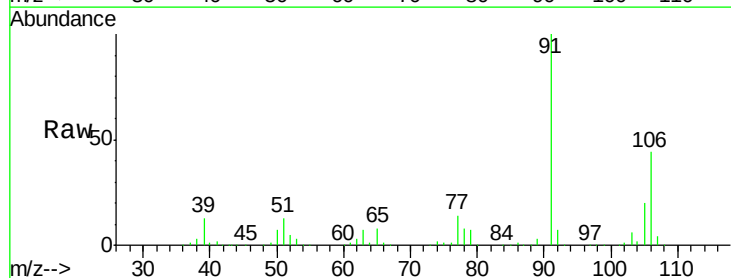
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

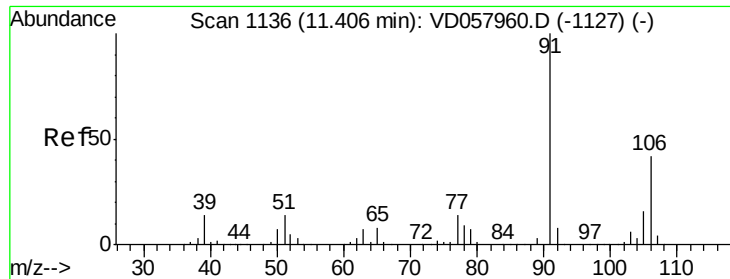
Tgt Ion: 91 Resp: 1749846
Ion Ratio Lower Upper
91 100
106 26.7 21.5 32.3



#68
m/p-Xylenes
Concen: 97.599 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion: 106 Resp: 1166030
Ion Ratio Lower Upper
106 100
91 229.5 190.4 285.6

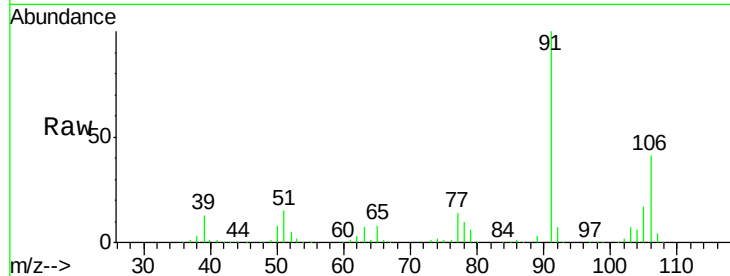




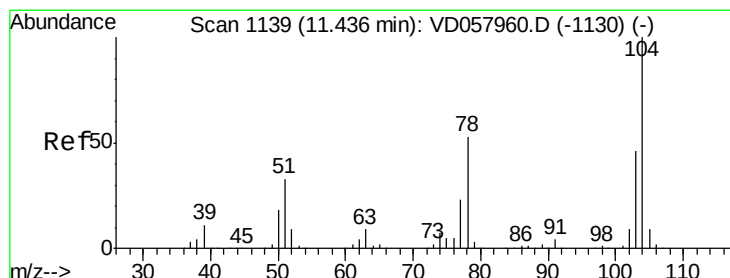
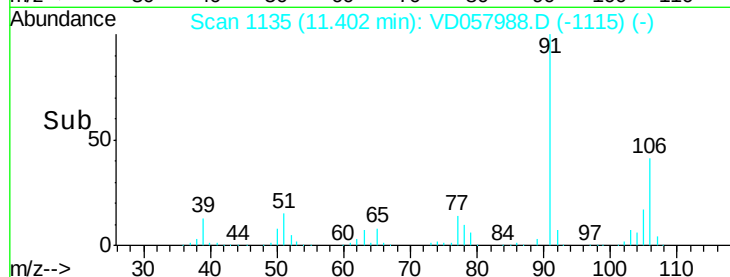
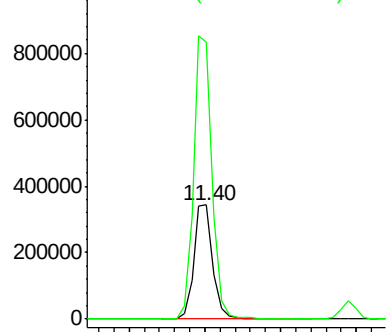
#69
o-Xylene
Concen: 50.042 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 593436
Ion Ratio Lower Upper
106 100
91 243.3 120.6 361.7

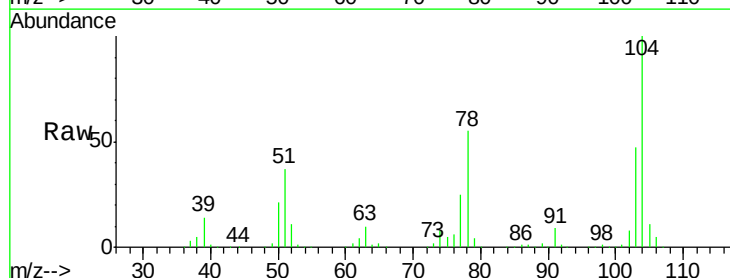


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

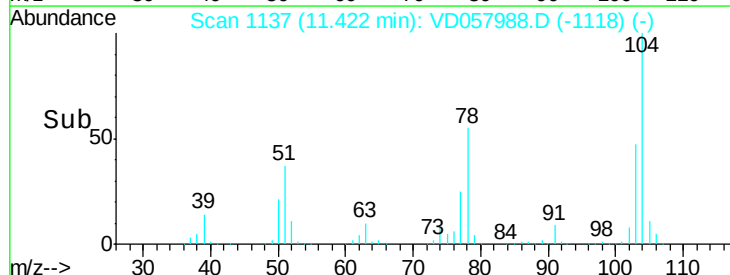
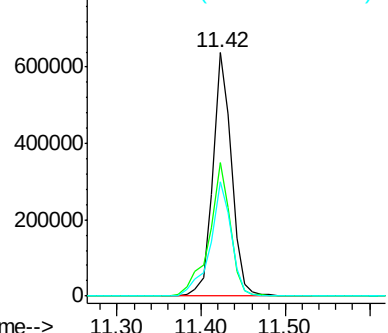


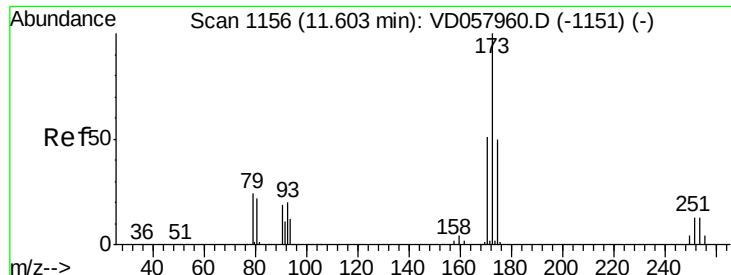
#70
Styrene
Concen: 49.860 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion:104 Resp: 978832
Ion Ratio Lower Upper
104 100
78 54.9 42.1 63.1
103 47.2 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

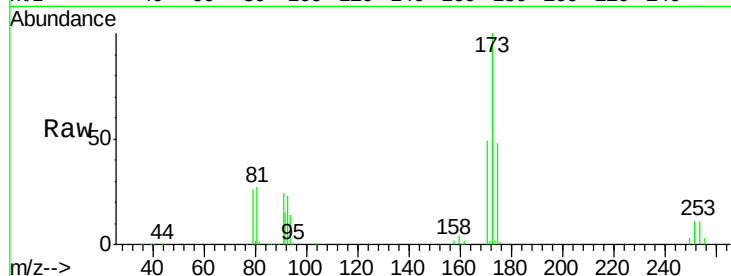




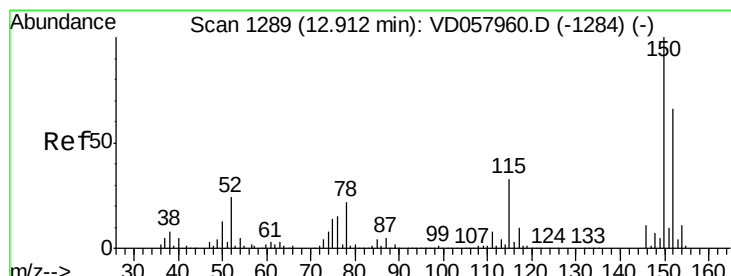
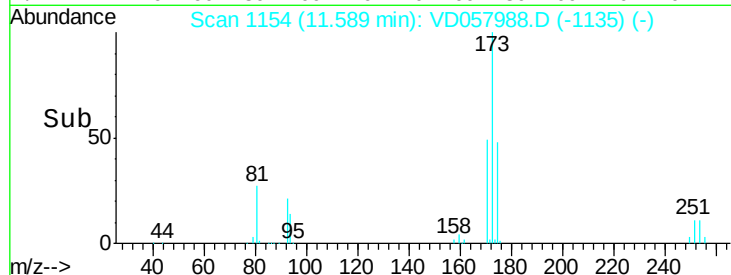
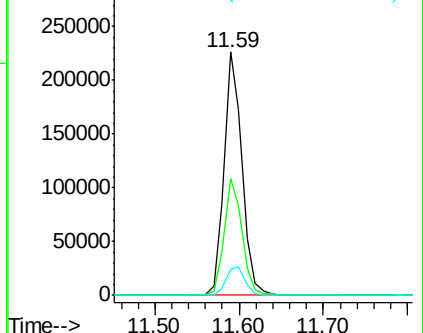
#71
Bromoform
Concen: 56.869 ug/l
RT: 11.59 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 333419
Ion Ratio Lower Upper
173 100
175 48.3 25.1 75.2
254 10.9 10.7 16.1

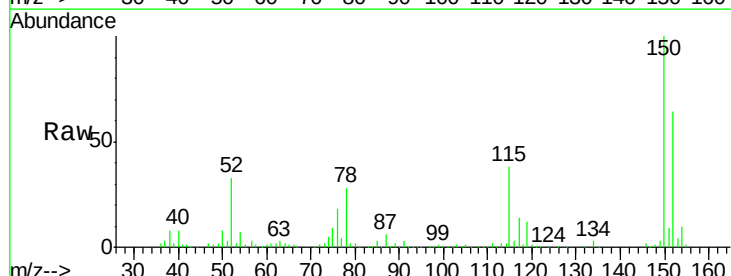


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

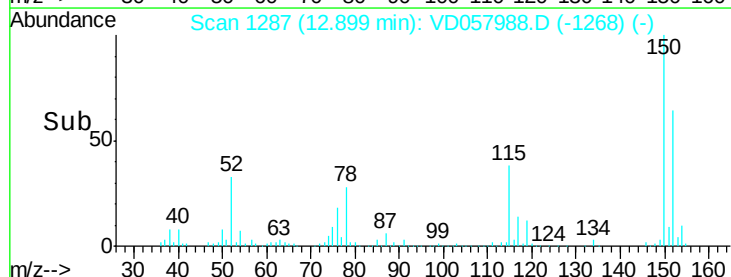
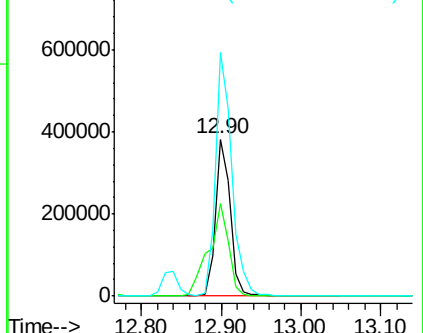


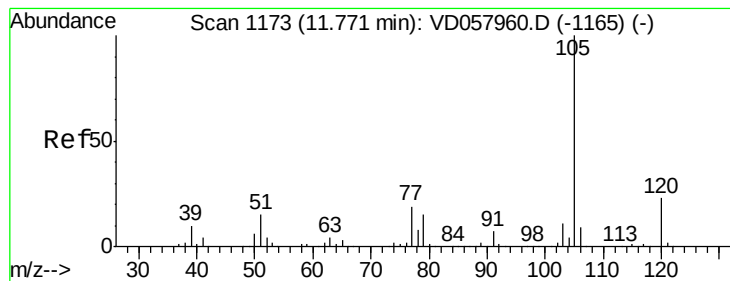
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion:152 Resp: 498253
Ion Ratio Lower Upper
152 100
115 59.3 25.6 76.6
150 155.3 0.0 306.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.002 ug/l

RT: 11.77 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

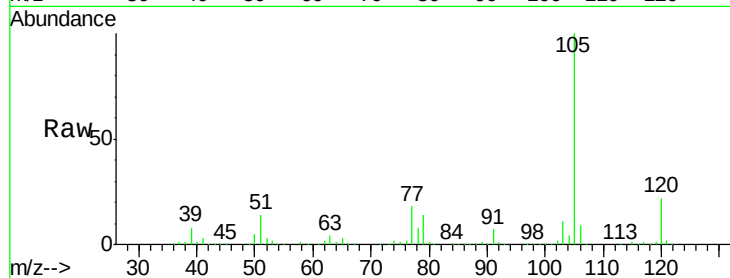
VSTDCCC050

Tgt Ion:105 Resp: 1650158

Ion Ratio Lower Upper

105 100

120 22.5 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

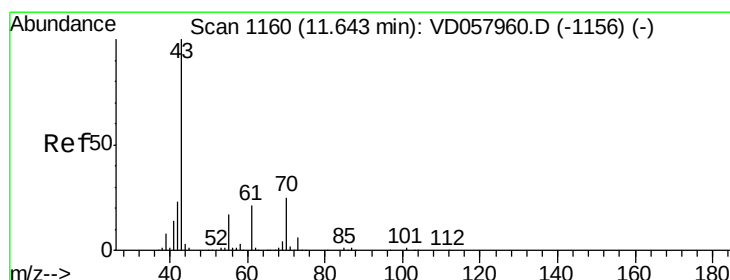
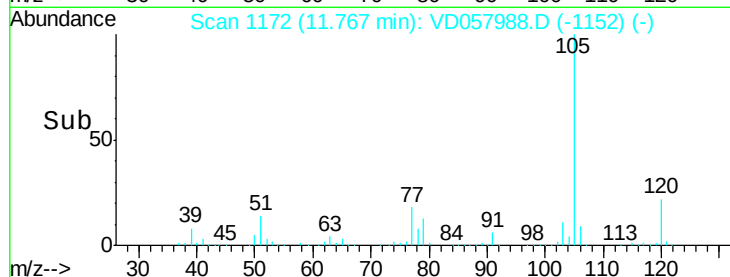
1000000

500000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 53.226 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Tgt Ion: 43 Resp: 677805

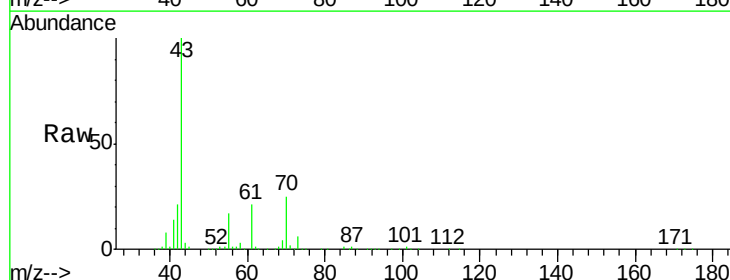
Ion Ratio Lower Upper

43 100

70 24.6 20.3 30.5

55 17.4 13.9 20.9

61 21.5 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

800000

600000

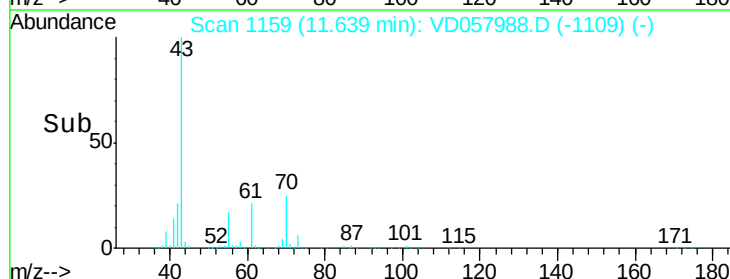
400000

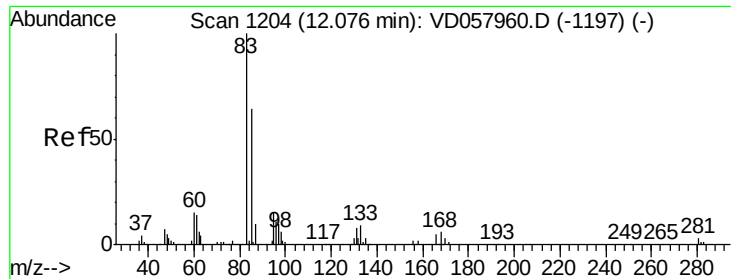
200000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 52.060 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

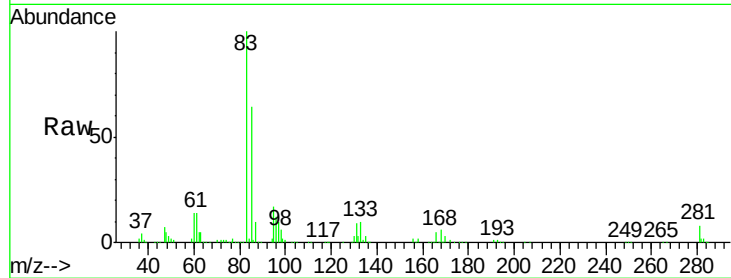
Tgt Ion: 83 Resp: 374584

Ion Ratio Lower Upper

83 100

131 9.1 4.2 12.6

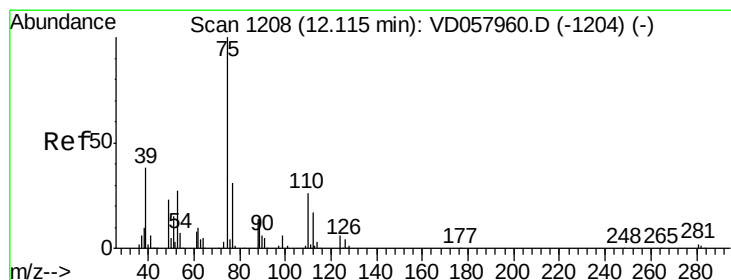
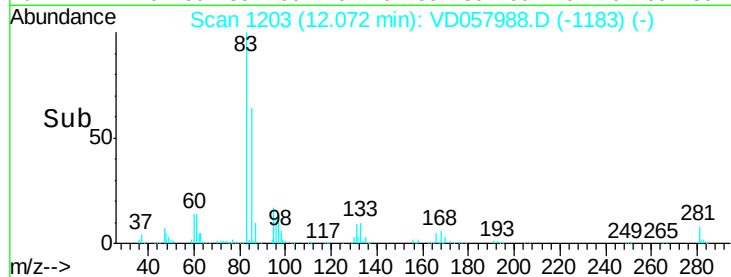
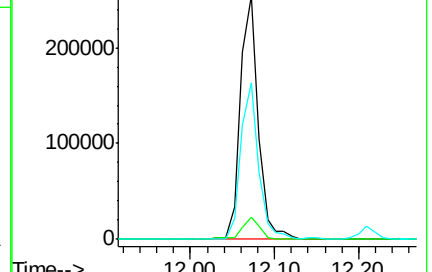
85 64.3 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.615 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.01 min

Lab File: VD057988.D

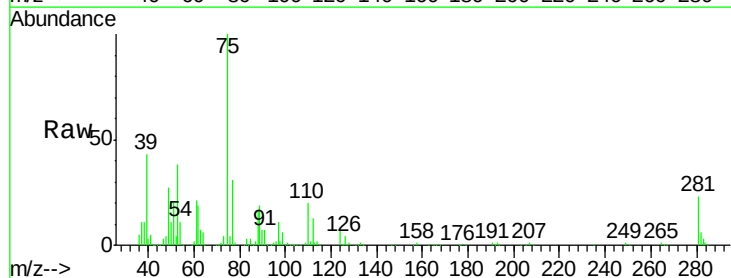
Acq: 7 Jun 2018 23:52

Tgt Ion: 75 Resp: 401281

Ion Ratio Lower Upper

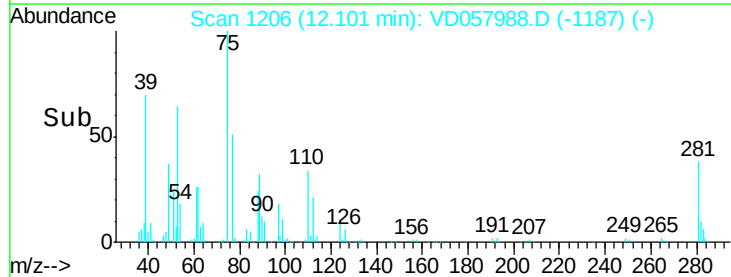
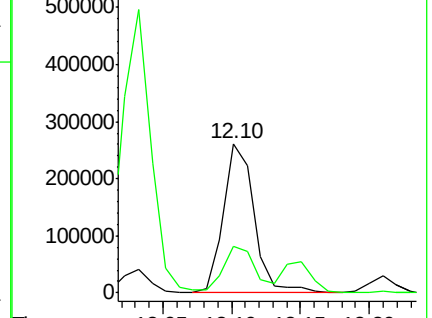
75 100

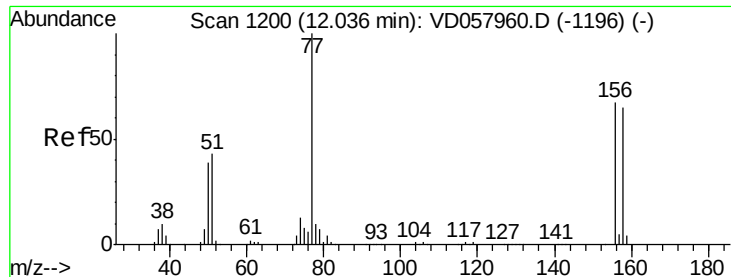
77 30.9 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.457 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

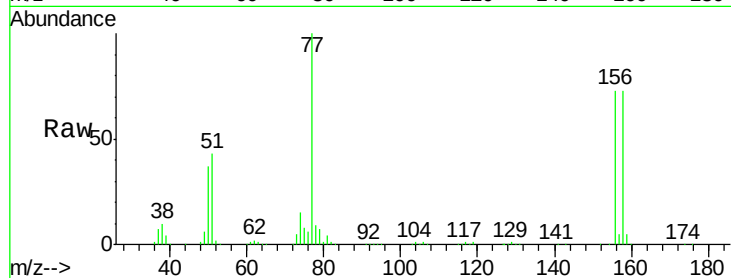
Tgt Ion:156 Resp: 502661

Ion Ratio Lower Upper

156 100

77 137.4 75.0 224.8

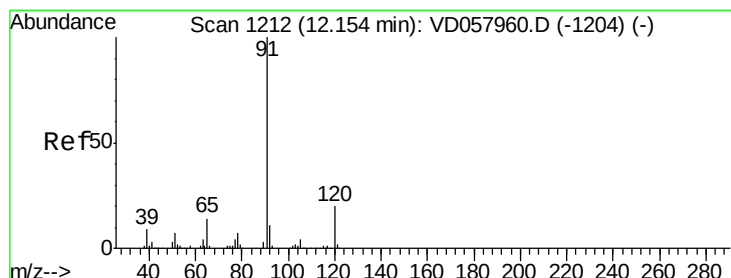
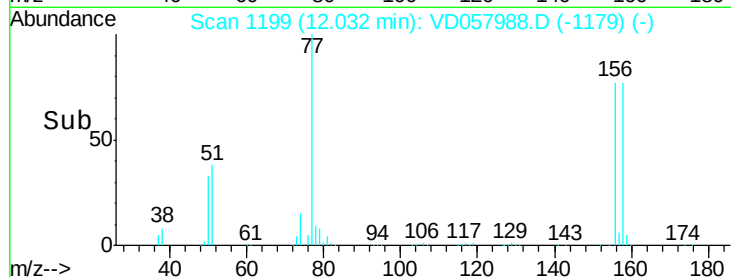
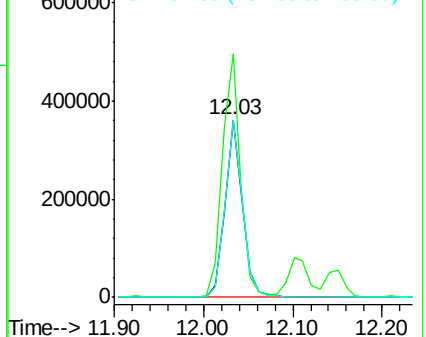
158 99.9 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.782 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD057988.D

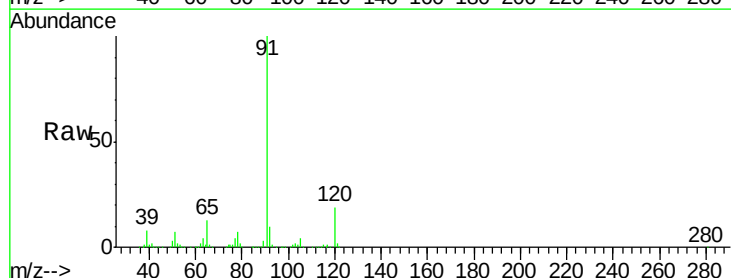
Acq: 7 Jun 2018 23:52

Tgt Ion: 91 Resp: 2008990

Ion Ratio Lower Upper

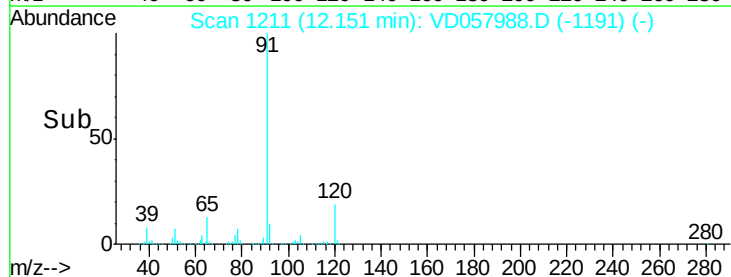
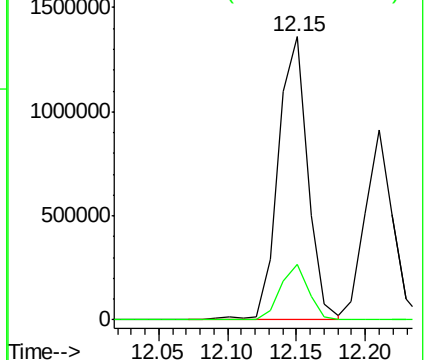
91 100

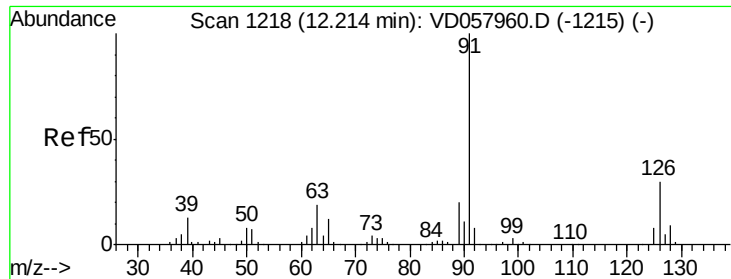
120 19.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

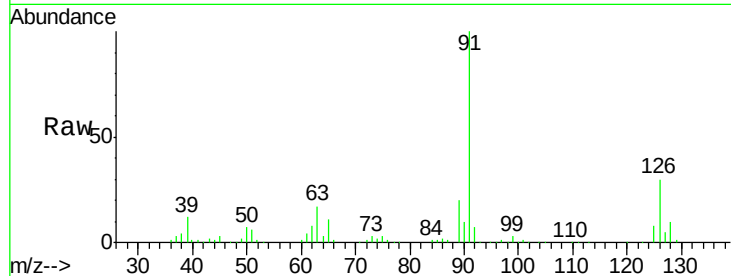




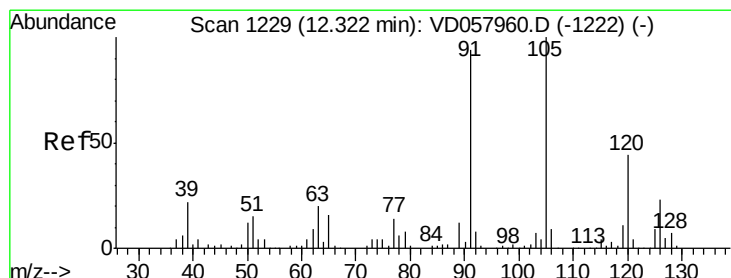
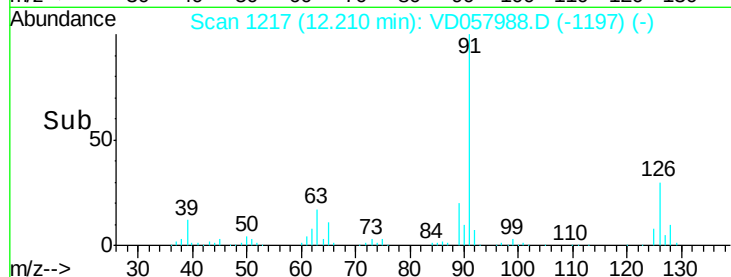
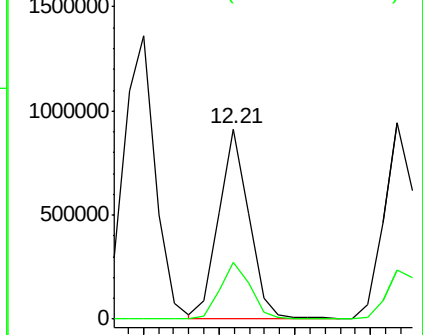
#79
 2-Chlorotoluene
 Concen: 51.954 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 1272826
 Ion Ratio Lower Upper
 91 100
 126 29.7 14.6 44.0

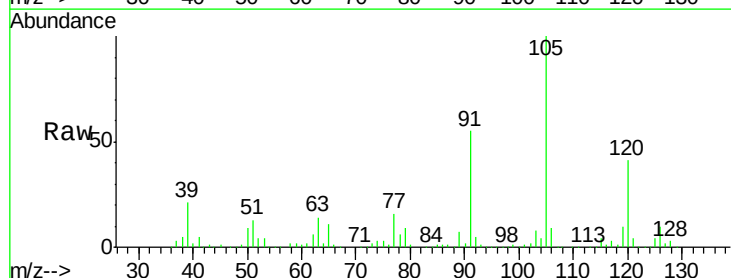


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

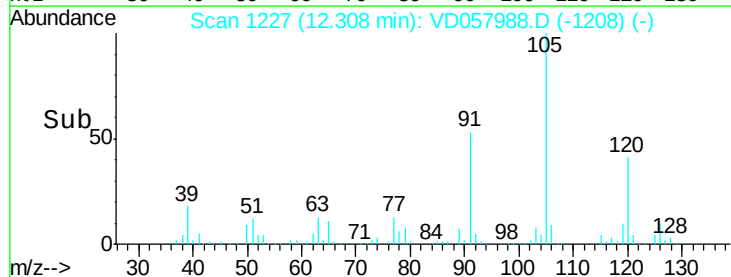
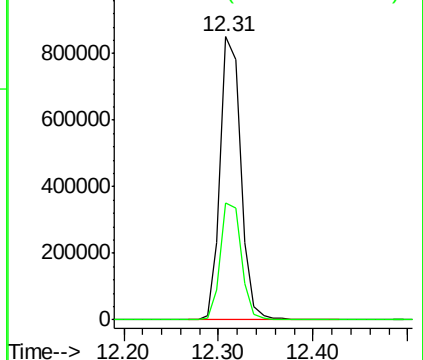


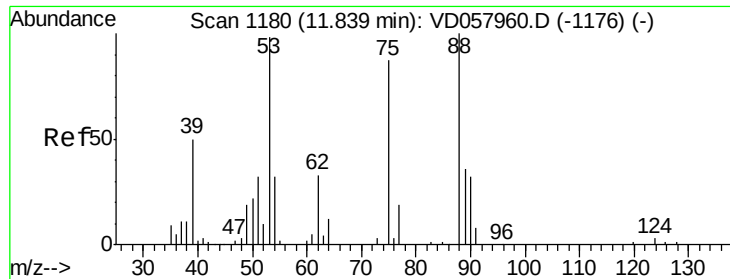
#80
 1,3,5-Trimethylbenzene
 Concen: 49.913 ug/l
 RT: 12.31 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion: 105 Resp: 1284619
 Ion Ratio Lower Upper
 105 100
 120 41.4 22.0 66.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.117 ug/l

RT: 11.84 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD057988.D

Acq: 7 Jun 2018 23:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

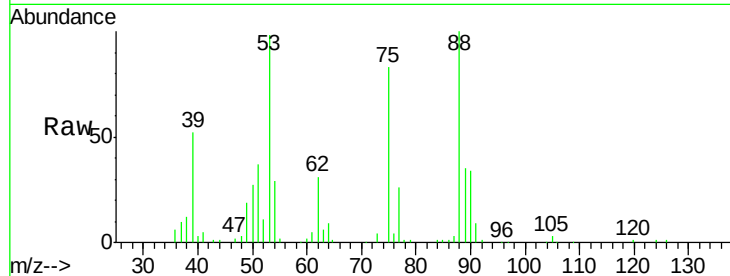
Tgt Ion: 75 Resp: 105883

Ion Ratio Lower Upper

75 100

53 117.9 89.3 133.9

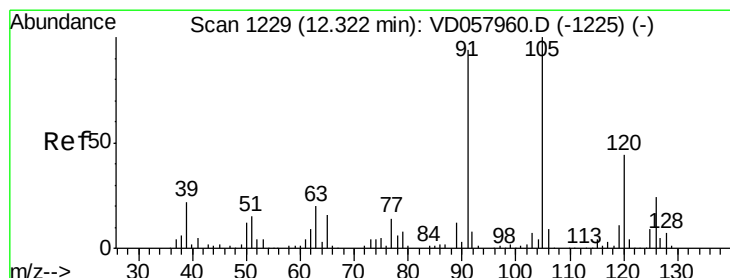
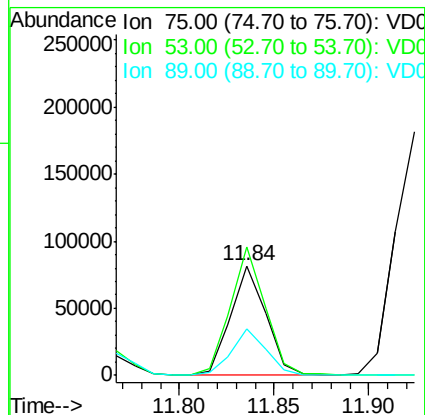
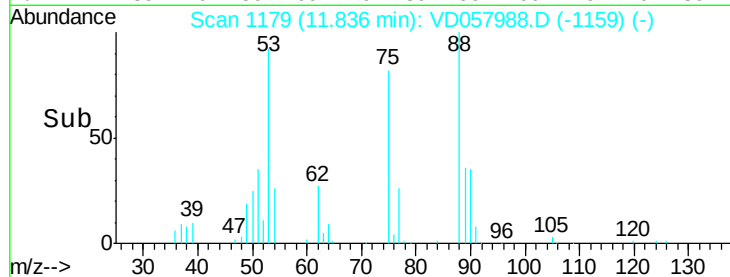
89 42.8 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 56.822 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD057988.D

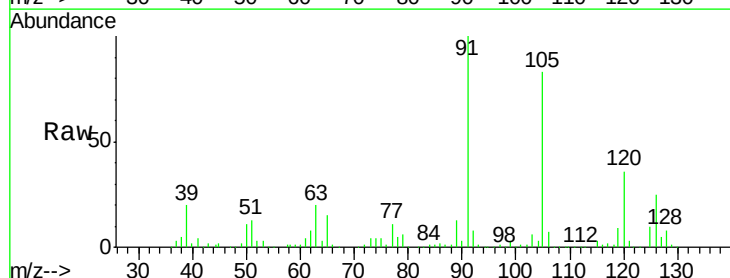
Acq: 7 Jun 2018 23:52

Tgt Ion: 91 Resp: 1343480

Ion Ratio Lower Upper

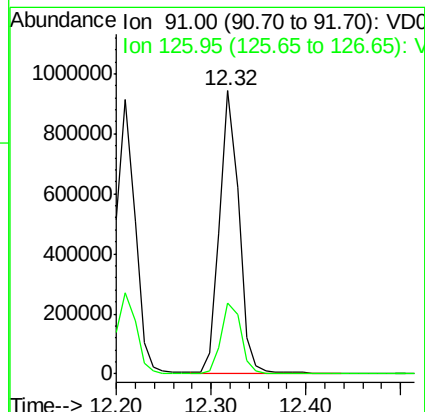
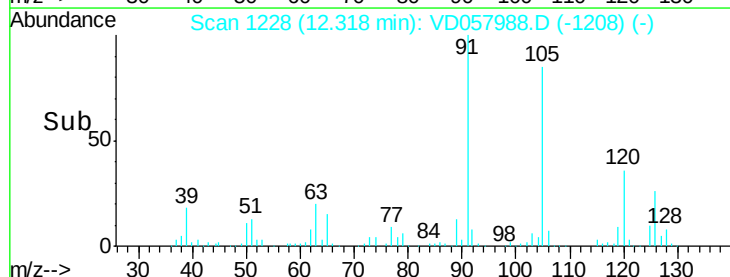
91 100

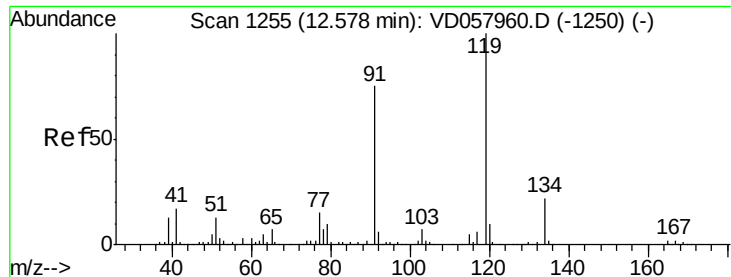
126 25.2 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

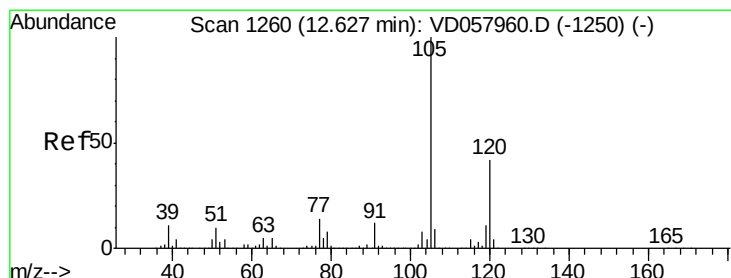
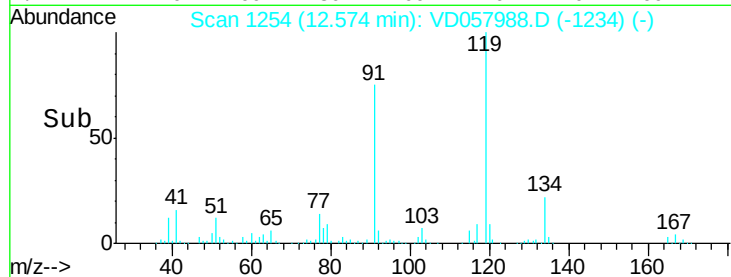
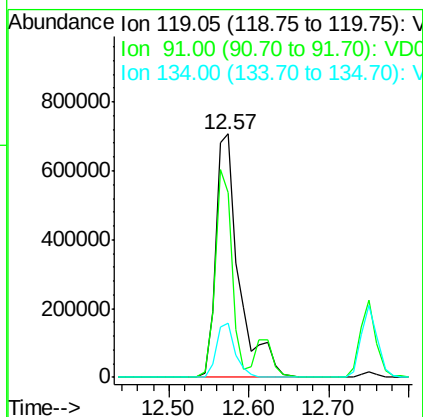
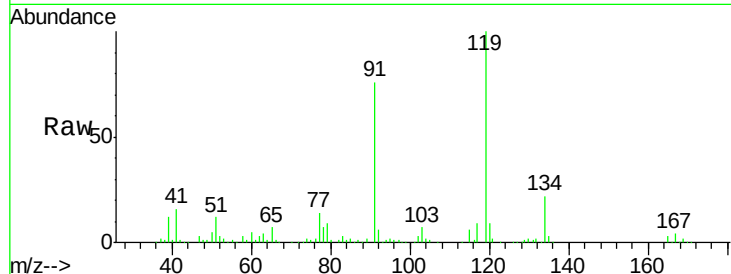




#83
 tert-Butylbenzene
 Concen: 49.857 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

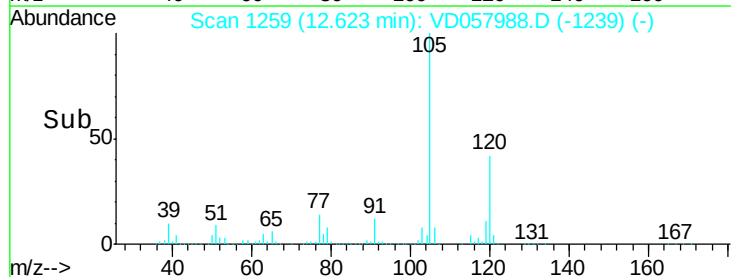
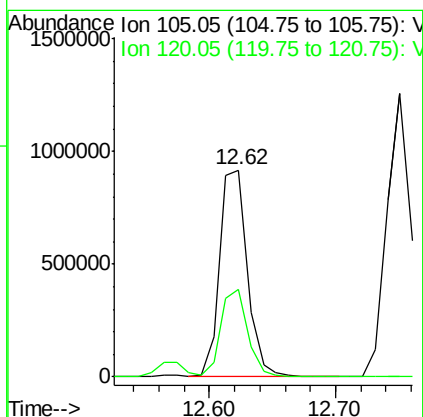
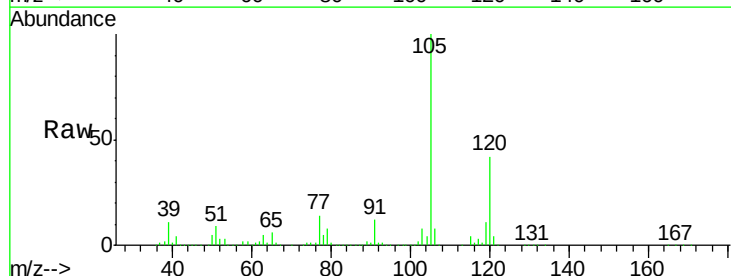
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

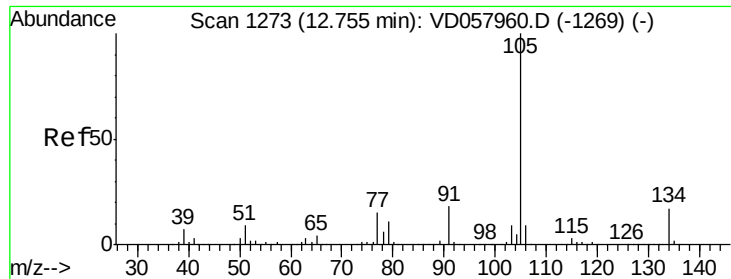
Tgt Ion:119 Resp: 1448898
 Ion Ratio Lower Upper
 119 100
 91 76.0 37.6 112.9
 134 22.1 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 50.194 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion:105 Resp: 1388993
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.2 63.6

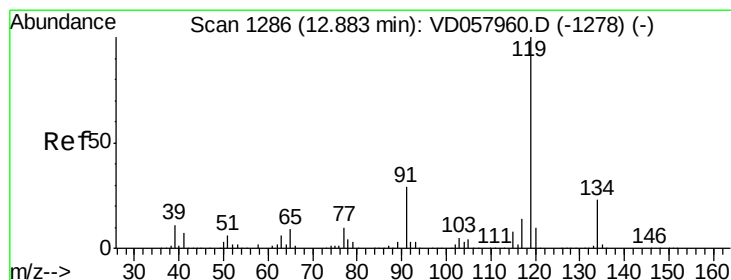
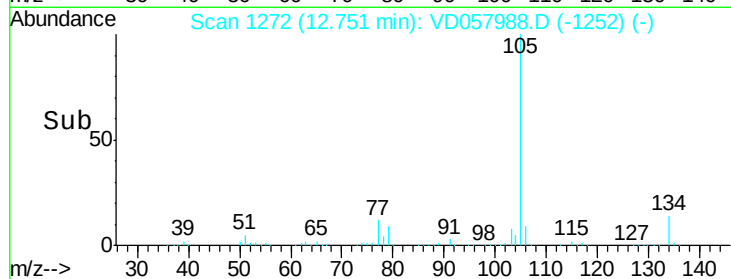
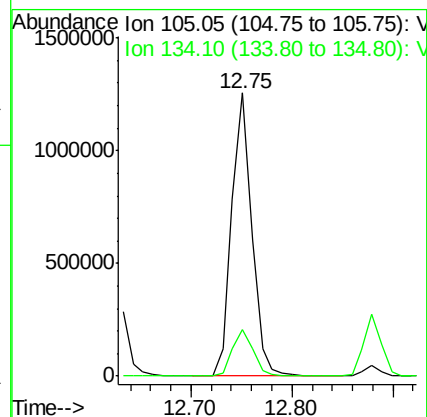
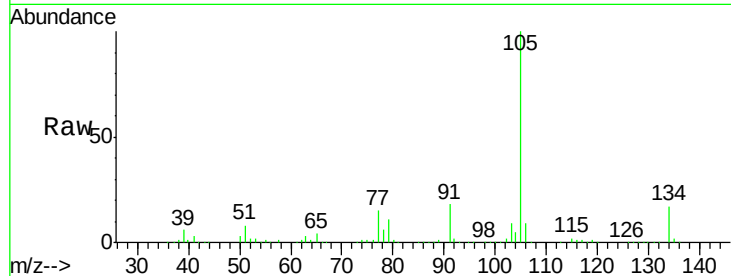




#85
 sec-Butylbenzene
 Concen: 49.597 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

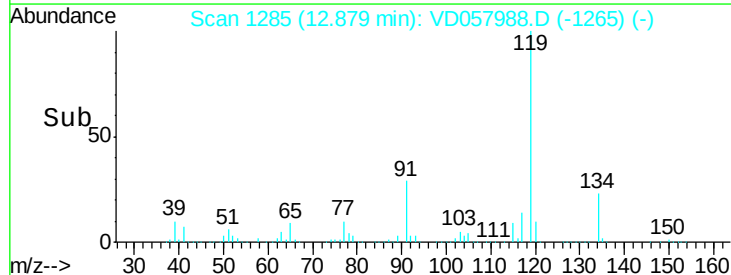
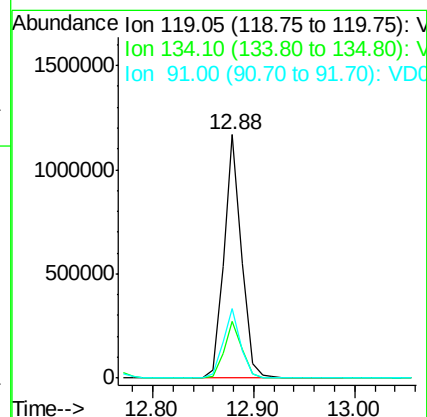
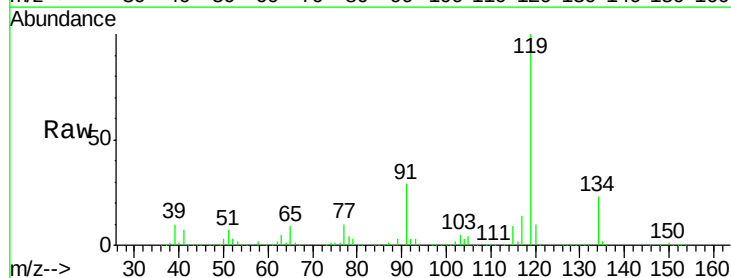
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

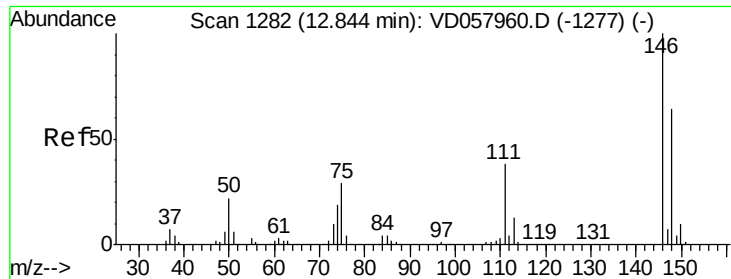
Tgt Ion:105 Resp: 1739487
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 50.147 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion:119 Resp: 1417539
 Ion Ratio Lower Upper
 119 100
 134 23.4 11.5 34.4
 91 28.6 14.5 43.6

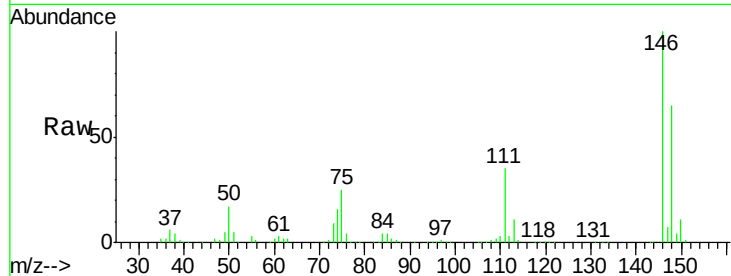




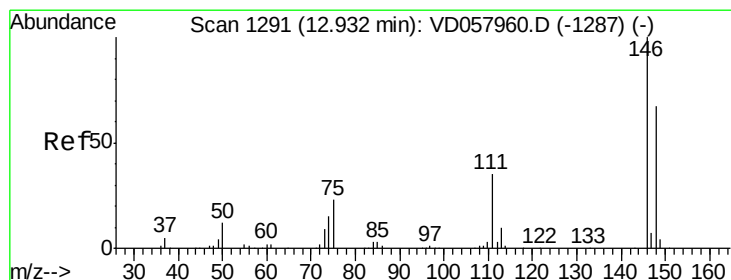
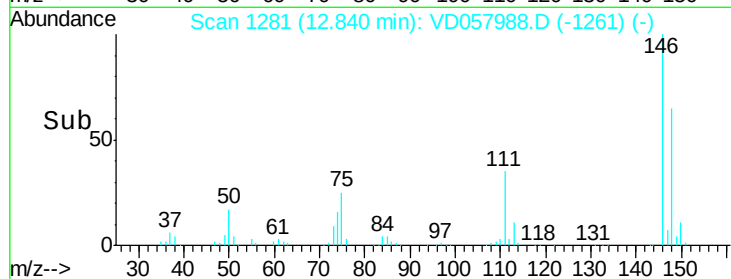
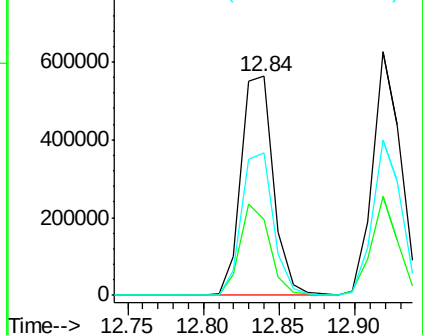
#87
 1,3-Dichlorobenzene
 Concen: 50.730 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 838287
 Ion Ratio Lower Upper
 146 100
 111 34.6 19.1 57.3
 148 65.0 32.0 96.2

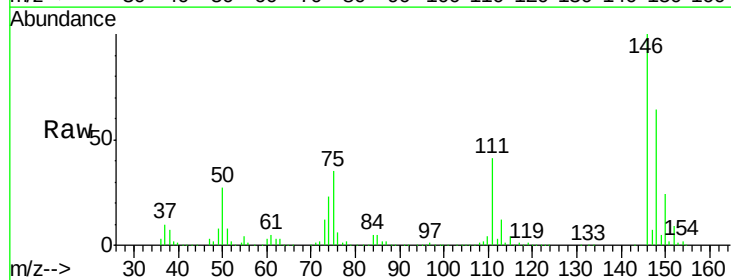


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

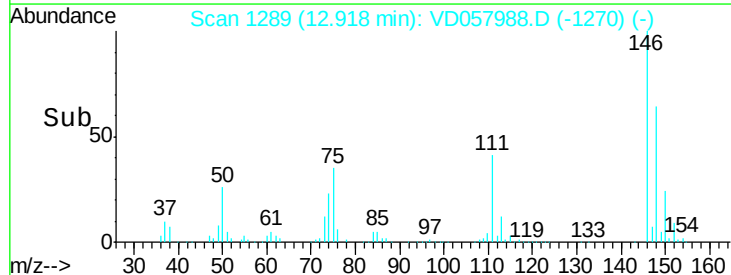
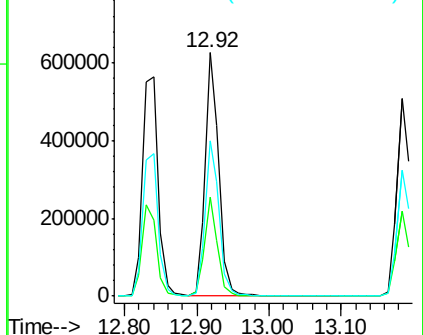


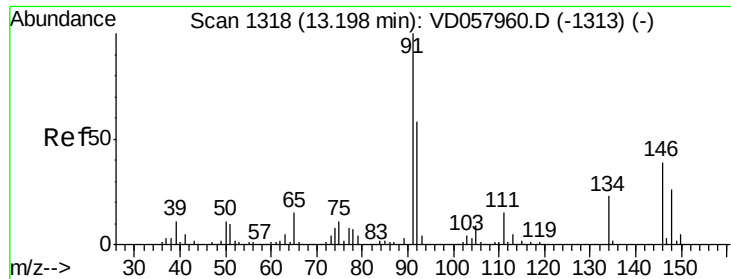
#88
 1,4-Dichlorobenzene
 Concen: 51.006 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion:146 Resp: 821214
 Ion Ratio Lower Upper
 146 100
 111 40.8 17.3 52.0
 148 64.0 33.4 100.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

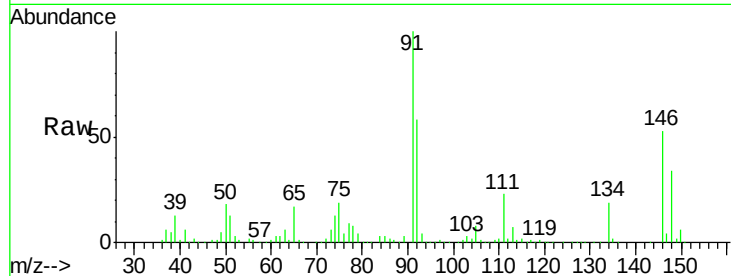




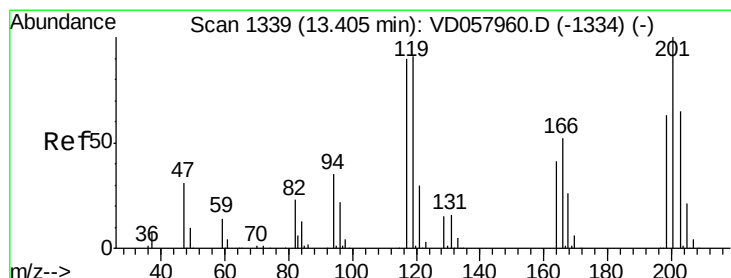
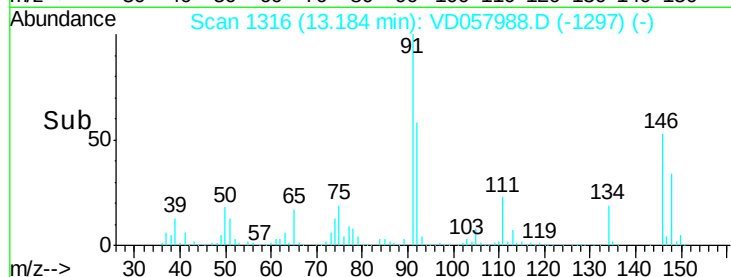
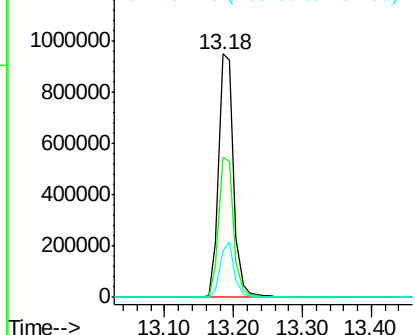
#89
n-Butylbenzene
Concen: 56.796 ug/l
RT: 13.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1431046
Ion Ratio Lower Upper
91 100
92 57.7 29.2 87.6
134 19.1 11.3 33.9

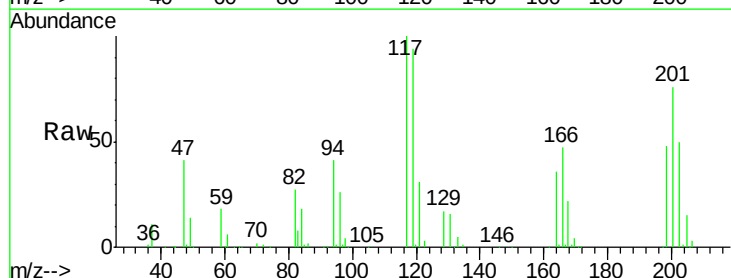


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

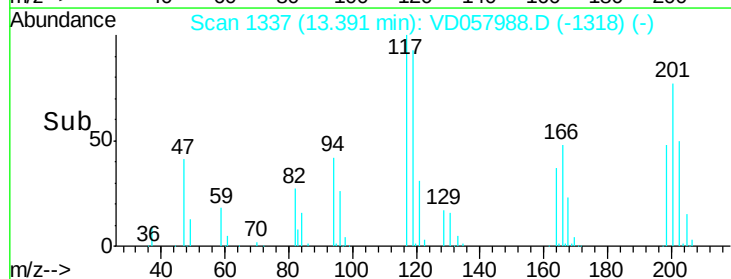
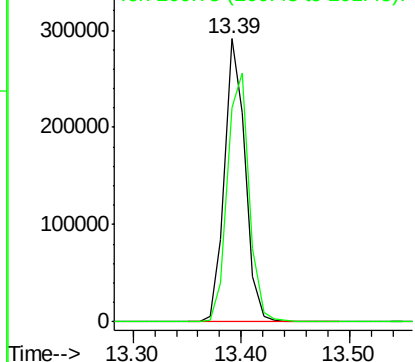


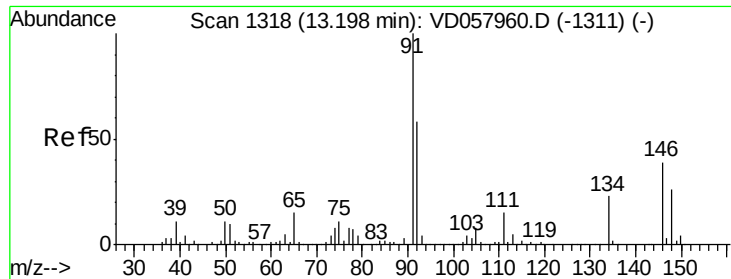
#90
Hexachloroethane
Concen: 53.574 ug/l
RT: 13.39 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion: 117 Resp: 386533
Ion Ratio Lower Upper
117 100
201 75.8 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

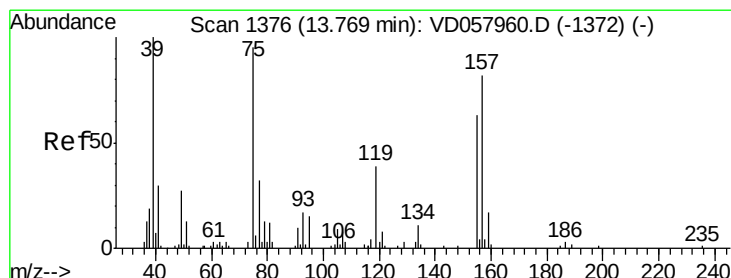
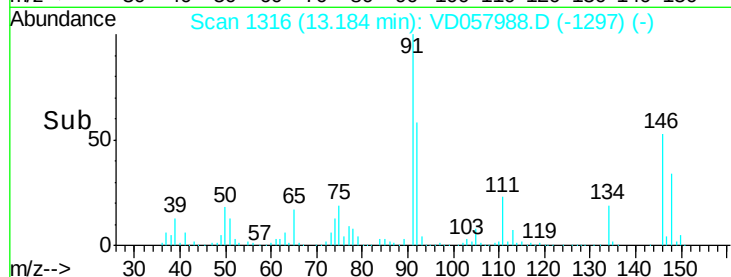
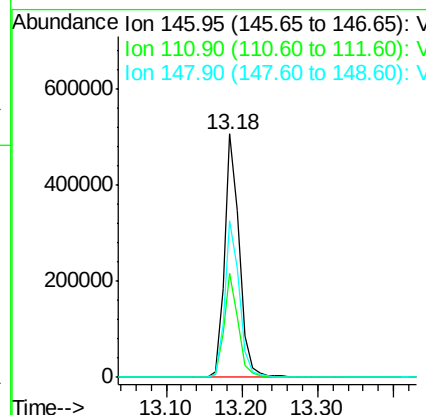
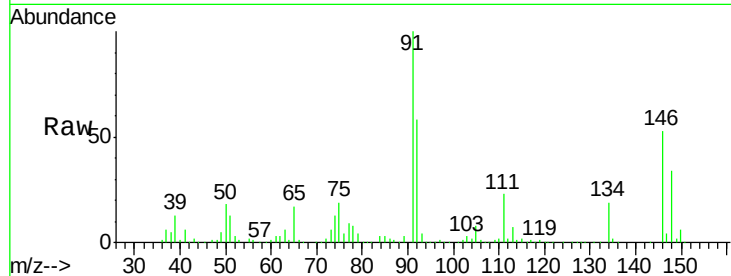




#91
 1,2-Dichlorobenzene
 Concen: 51.957 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

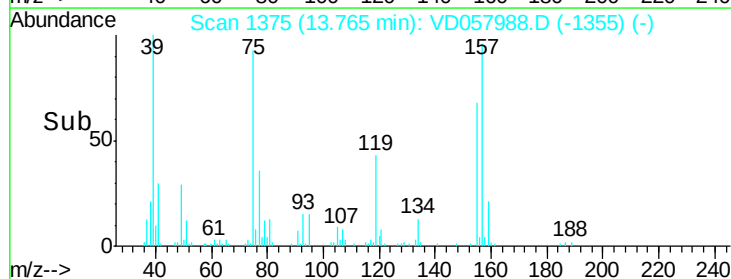
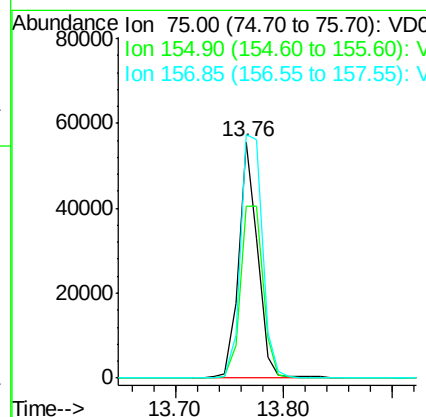
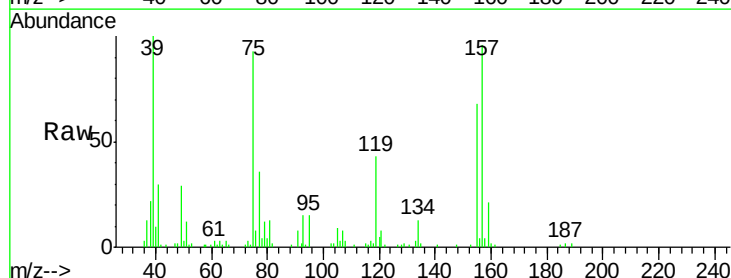
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

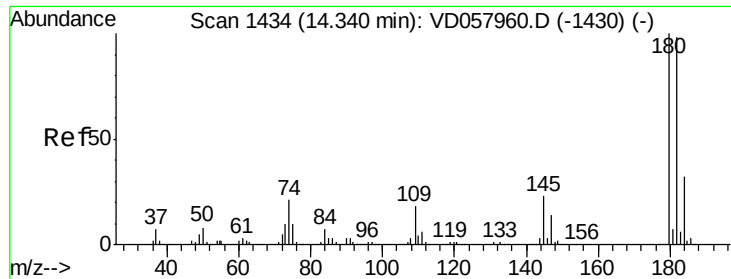
Tgt Ion:146 Resp: 693835
 Ion Ratio Lower Upper
 146 100
 111 42.8 19.4 58.2
 148 64.1 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.062 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion: 75 Resp: 67808
 Ion Ratio Lower Upper
 75 100
 155 72.8 33.4 100.1
 157 103.1 42.9 128.5

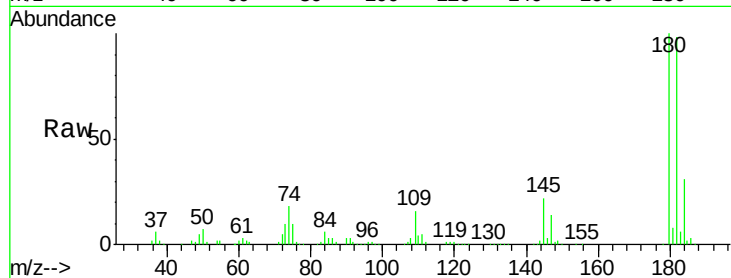




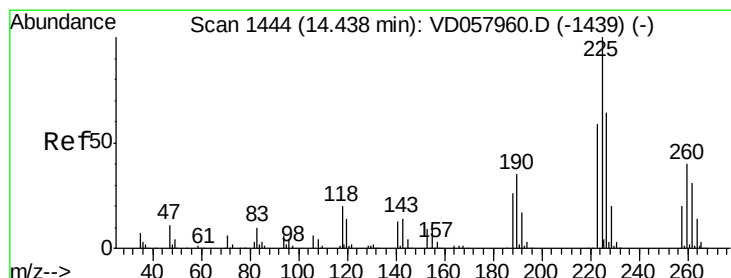
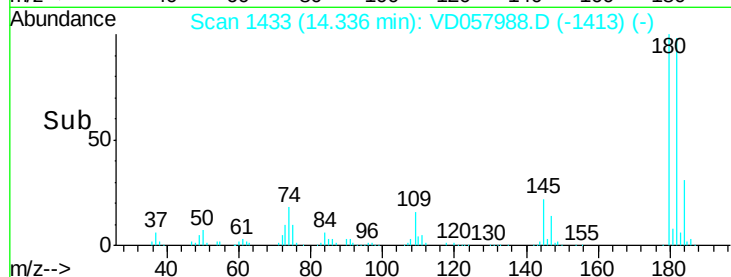
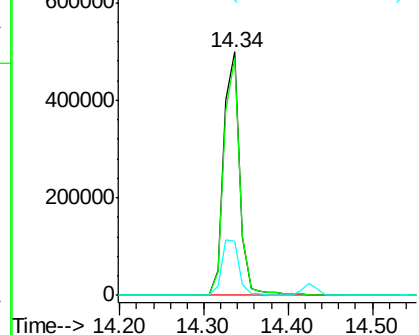
#93
 1,2,4-Trichlorobenzene
 Concen: 53.077 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 662201
 Ion Ratio Lower Upper
 180 100
 182 97.6 49.0 147.2
 145 22.5 11.8 35.3

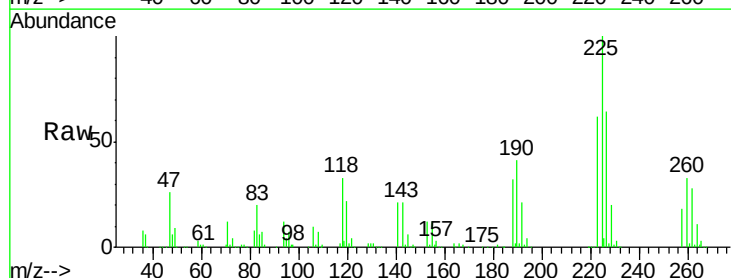


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

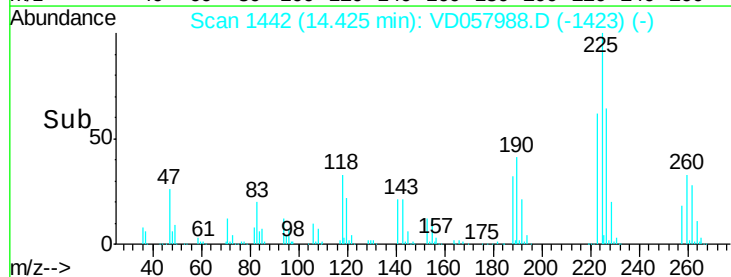
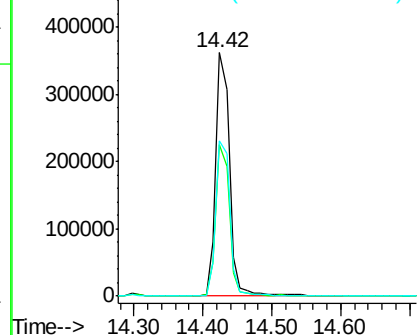


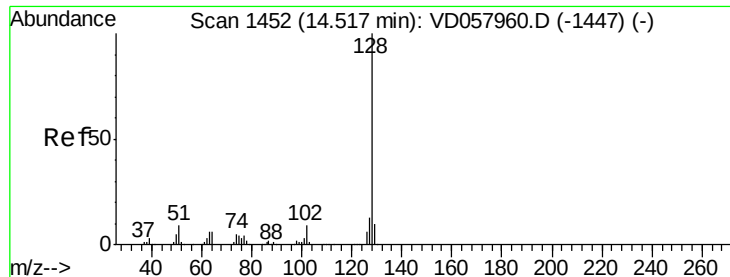
#94
 Hexachlorobutadiene
 Concen: 51.727 ug/l
 RT: 14.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion:225 Resp: 507617
 Ion Ratio Lower Upper
 225 100
 223 62.1 29.5 88.6
 227 63.6 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

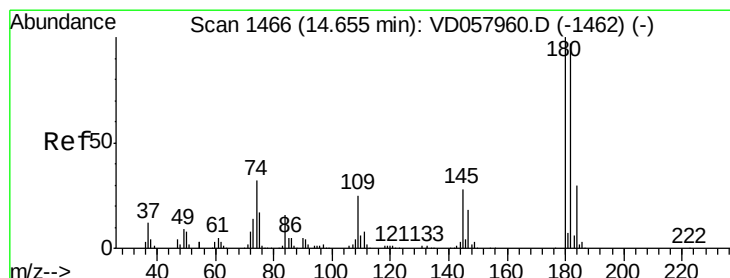
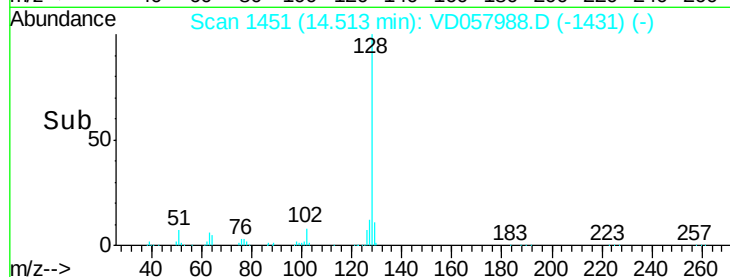
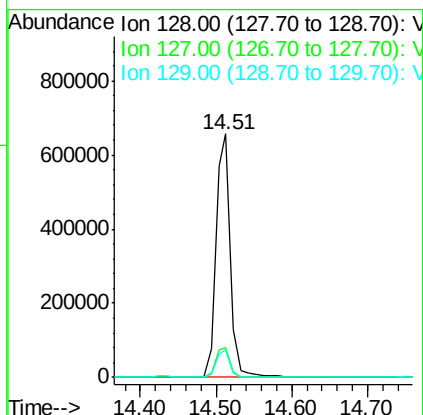
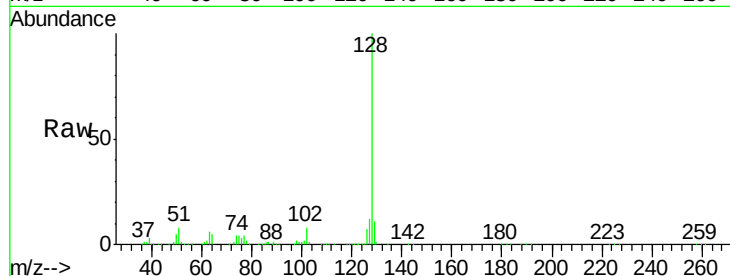




#95
Naphthalene
Concen: 55.146 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 887075
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 11.0 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 52.479 ug/l
RT: 14.65 min Scan# 1465
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion:180 Resp: 557984
Ion Ratio Lower Upper
180 100
182 99.0 48.5 145.5
145 28.7 14.2 42.8

