

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 : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/8/2018 9:44:21 AM

Quant Time: Jun 08 08:13:48 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	61068m	253.101	ug/l	
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	2.94	43	131629m	52.437	ug/l	
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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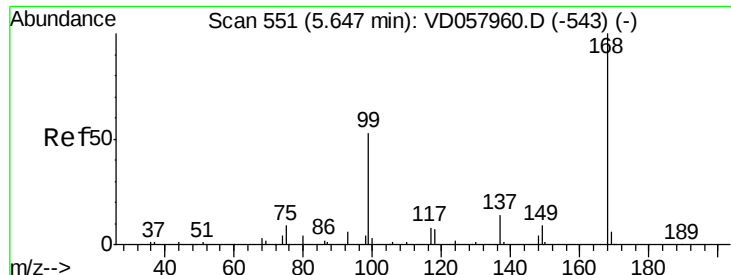
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	662201	53.077	ug/l	99
94) Hexachlorobutadiene	14.42	225	507617	51.727	ug/l	98
95) Naphthalene	14.51	128	887075	55.146	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	557984	52.479	ug/l	98

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



#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

Tot Ion:168 Resp: 900903

Ion Ratio Lower Upper

168 100

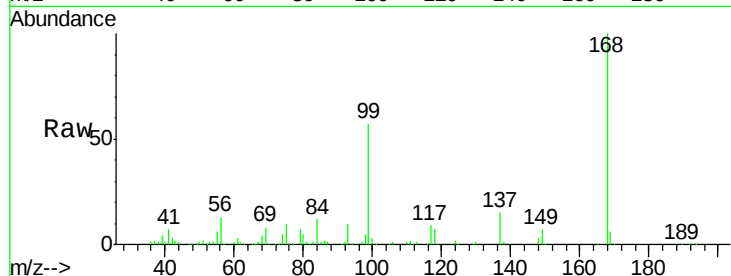
99 56.6 46.8 70.2

Manual Integrations

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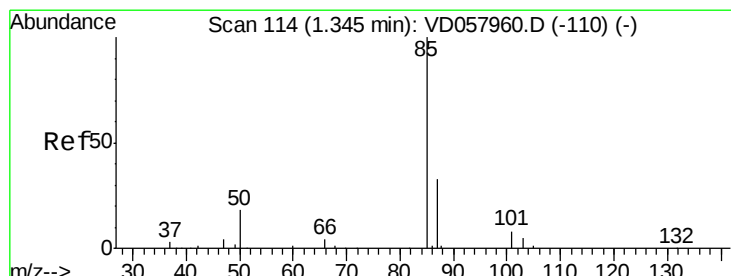
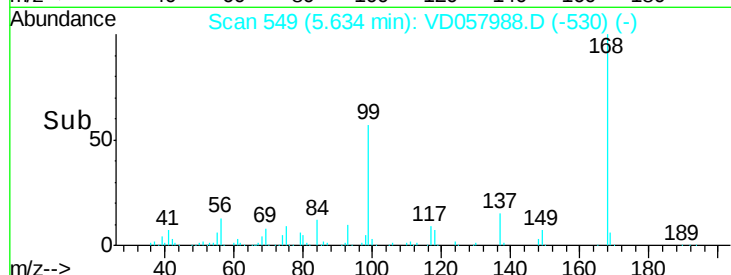
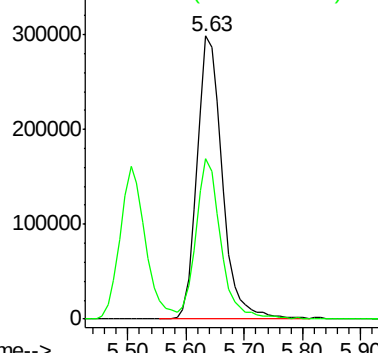
apatel

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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

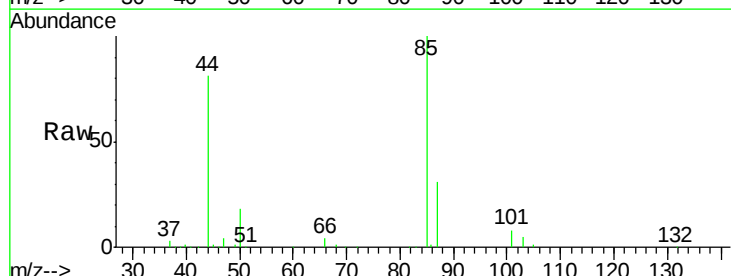
Acq: 7 Jun 2018 23:52

Tgt Ion: 85 Resp: 567886

Ion Ratio Lower Upper

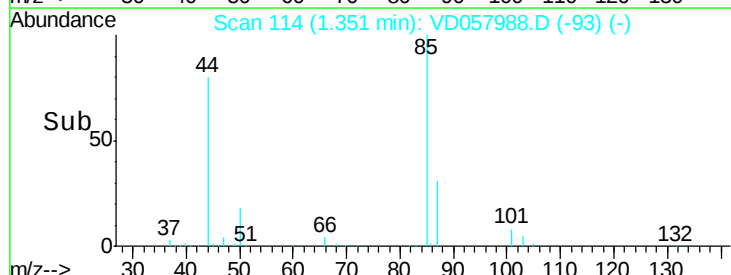
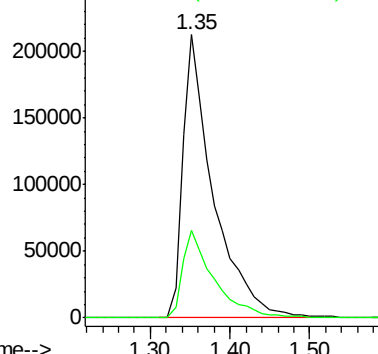
85 100

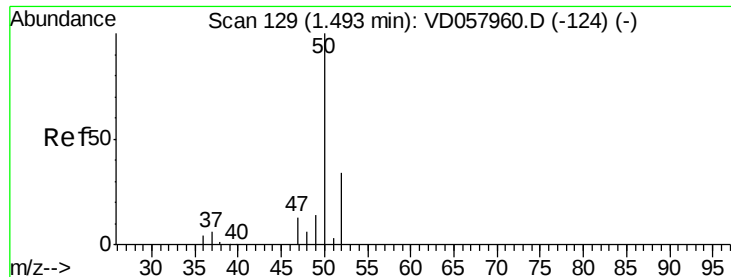
87 31.0 16.4 49.2



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

Tot Ion: 50 Resp: 284492

Ion Ratio Lower Upper

50 100

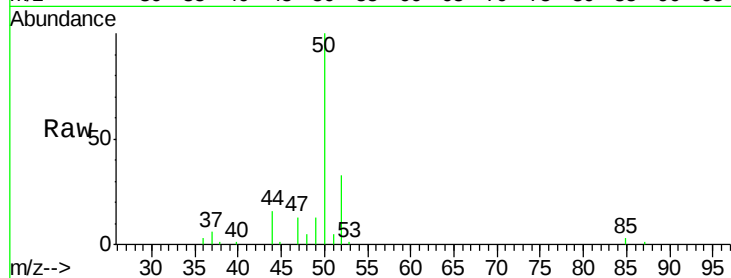
52 32.7 27.2 40.8

Manual Integrations

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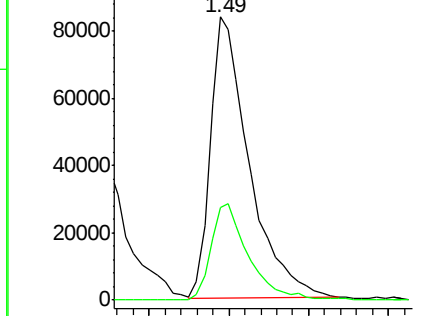
apatel

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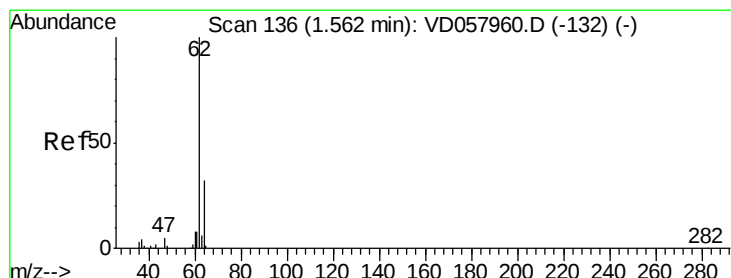
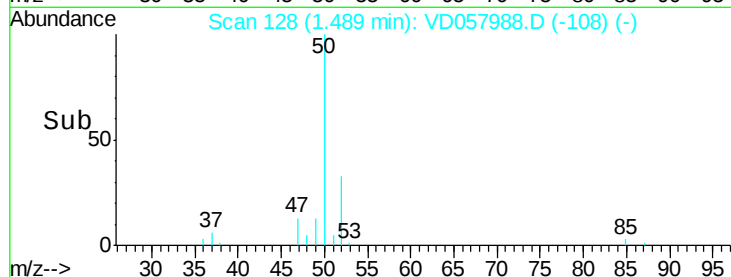


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 49.442 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD057988.D

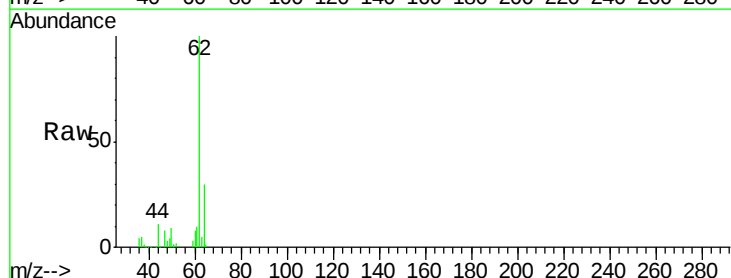
Acq: 7 Jun 2018 23:52

Tgt Ion: 62 Resp: 284999

Ion Ratio Lower Upper

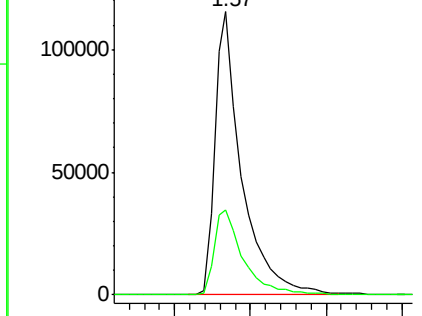
62 100

64 30.2 25.4 38.2

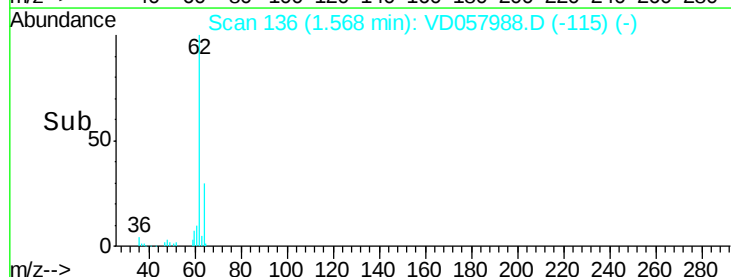


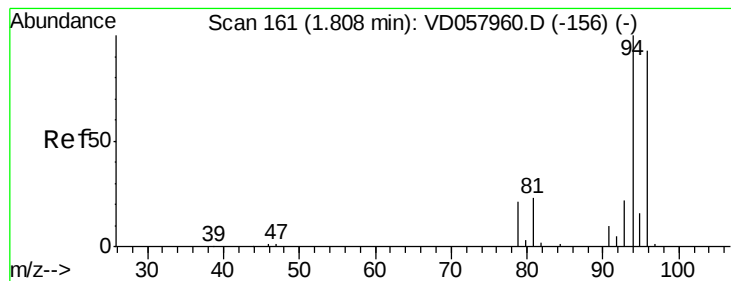
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#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

Tot Ion: 94 Resp: 113133

Ion Ratio Lower Upper

94 100

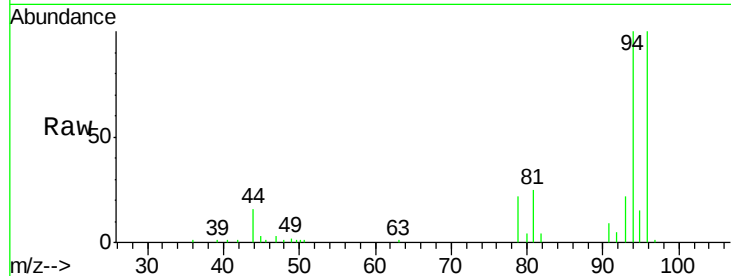
96 100.3 74.3 111.5

Manual Integrations

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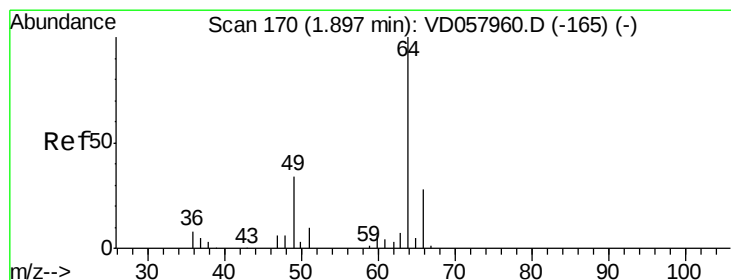
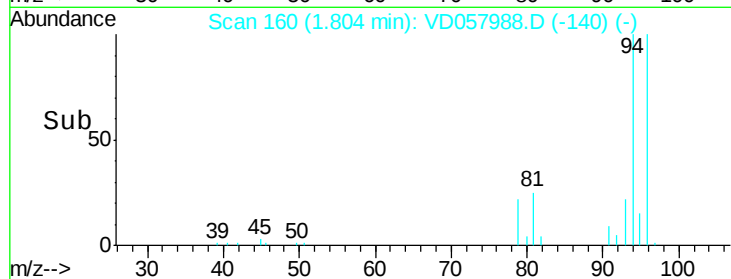
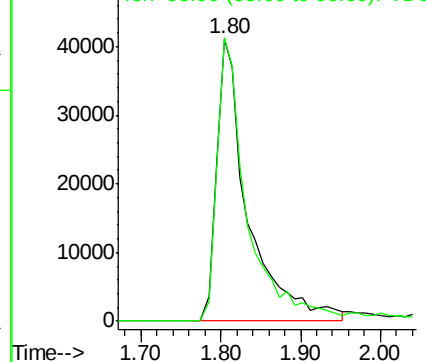
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Abundance Ion 93.90 (93.60 to 94.60): VDC

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

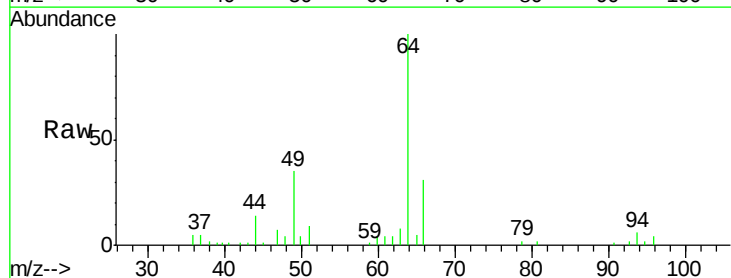
Acq: 7 Jun 2018 23:52

Tgt Ion: 64 Resp: 128199

Ion Ratio Lower Upper

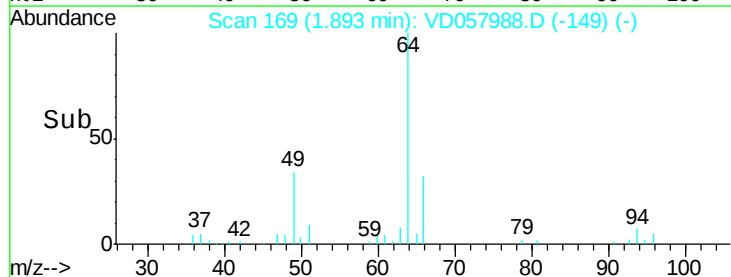
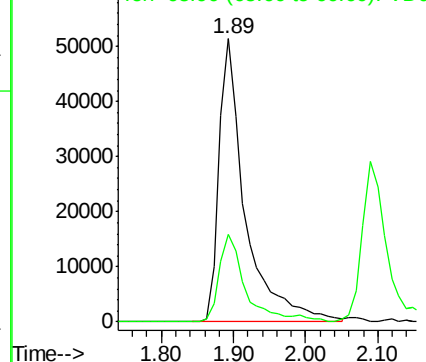
64 100

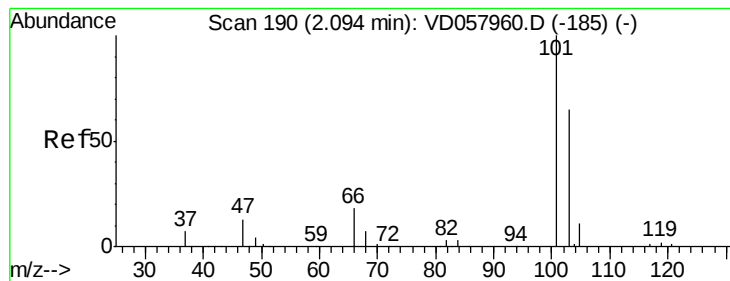
66 31.1 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

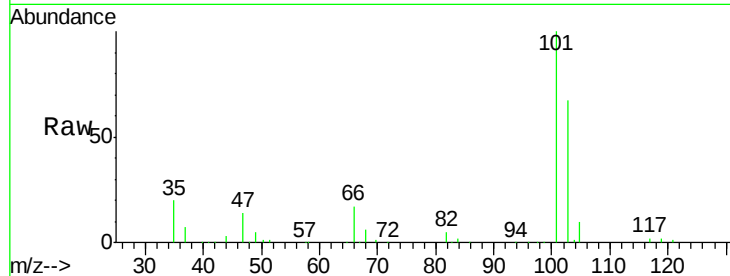
Trichlorofluoromethane
 Concen: 51.887 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

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 MSVOA_D
 ClientSampleId :
 VSTDCCC050

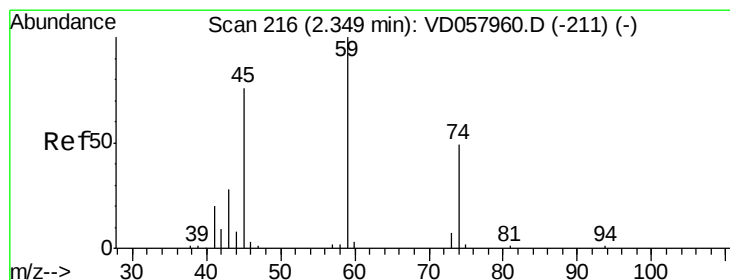
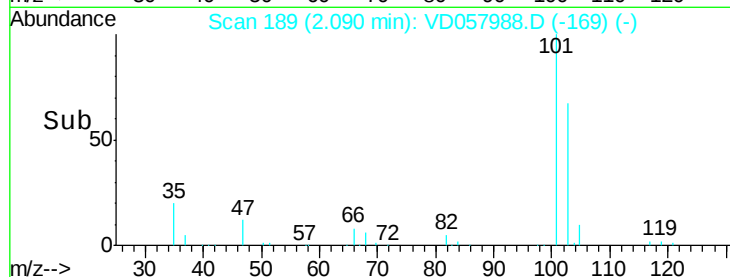
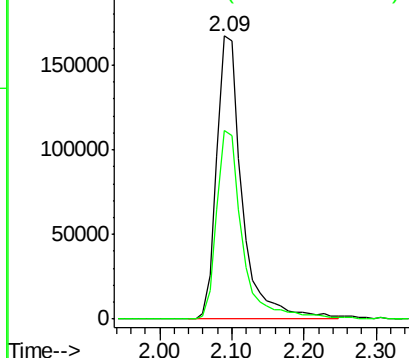
Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.4	78.6

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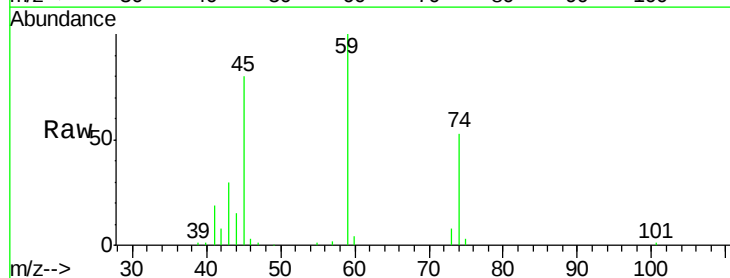
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



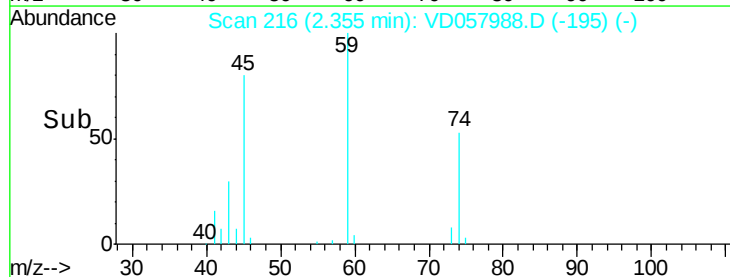
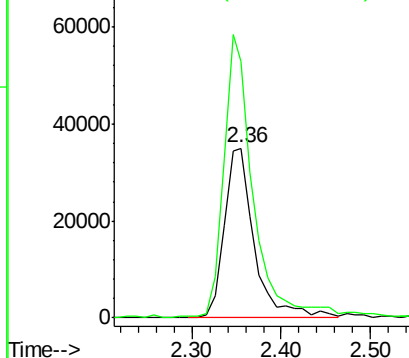
#8

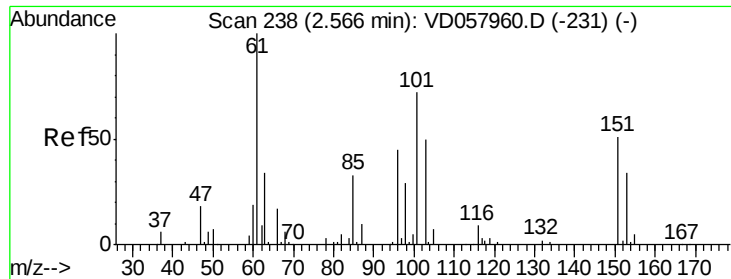
Diethyl Ether
 Concen: 56.805 ug/l
 RT: 2.36 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion	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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.590 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD057988.D

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MSVOA_D

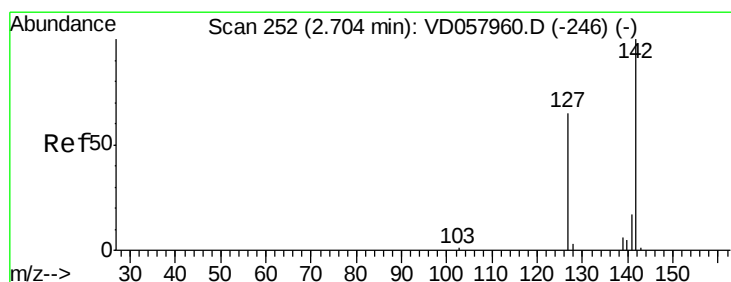
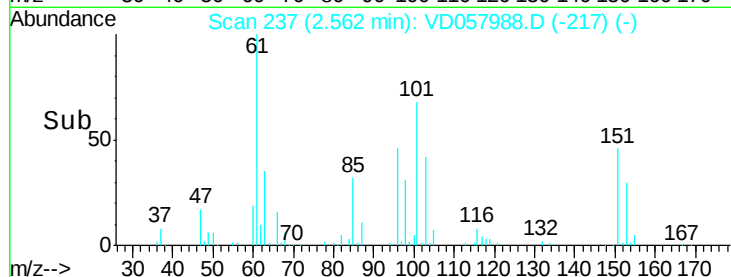
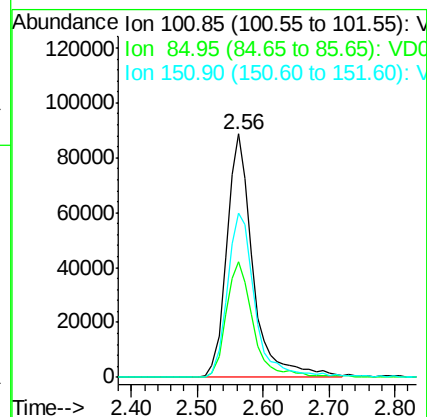
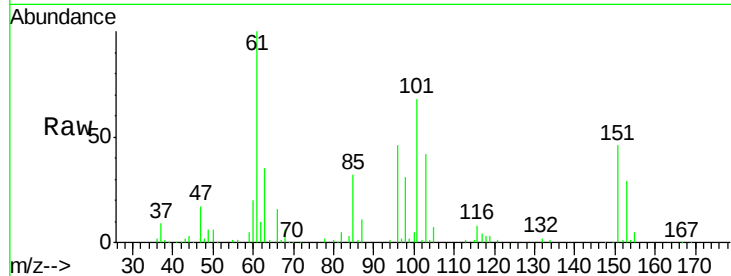
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	247166
Ion Ratio	Lower	Upper	
101	100		
85	47.7	37.3	55.9
151	67.5	57.0	85.6

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#10

Methyl Iodide

Concen: 53.114 ug/l

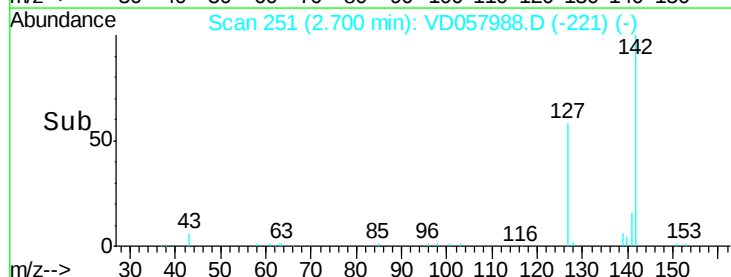
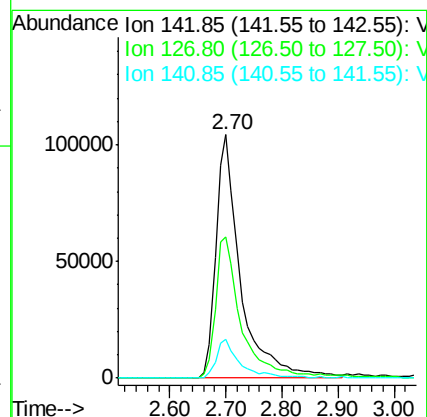
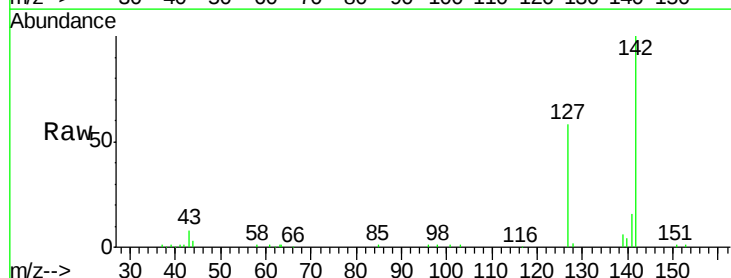
RT: 2.70 min Scan# 251

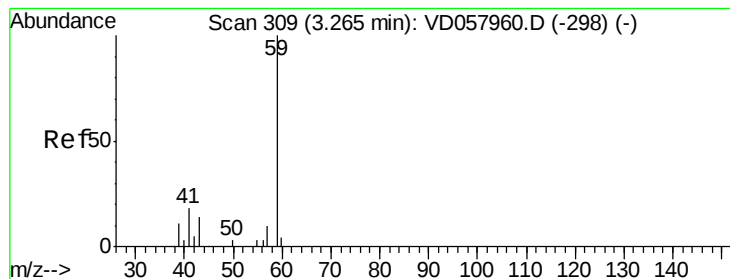
Delta R.T. -0.00 min

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





#11

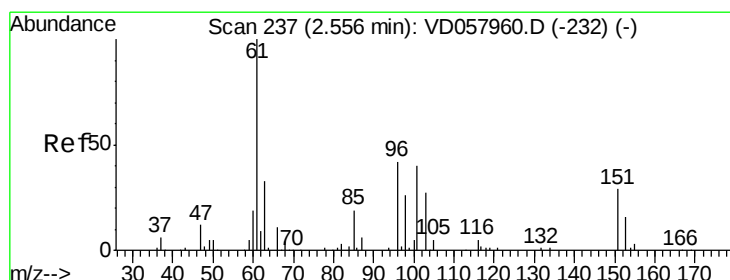
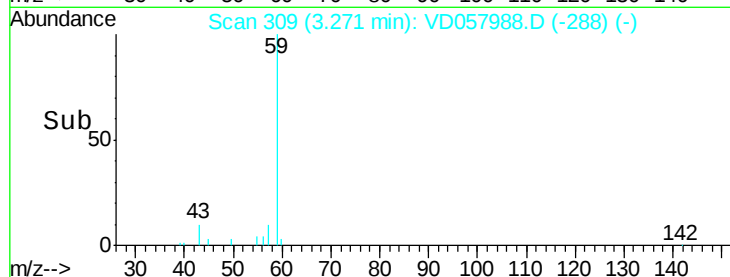
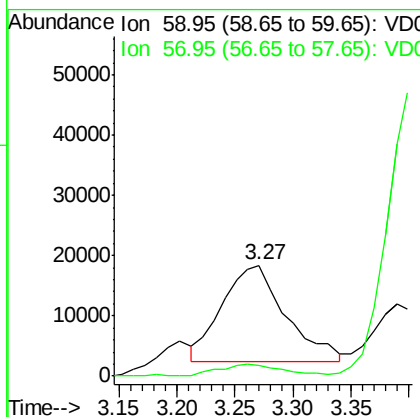
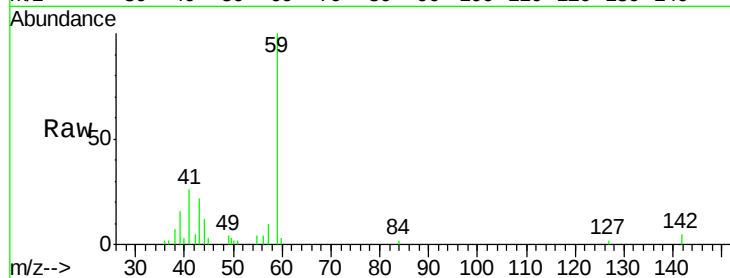
Tert butyl alcohol
Concen: 253.101 ug/l m
RT: 3.27 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 61068
Ion Ratio Lower Upper
59 100
57 9.5 7.8 11.6

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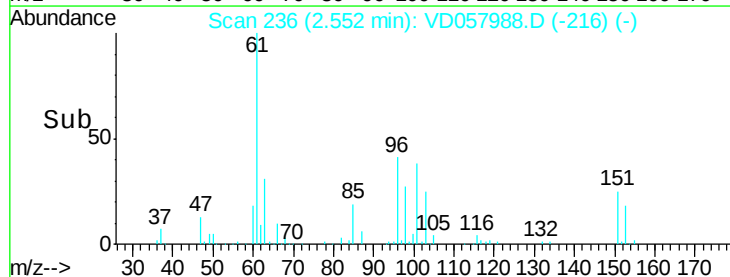
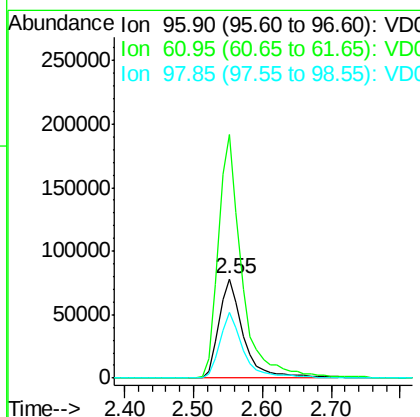
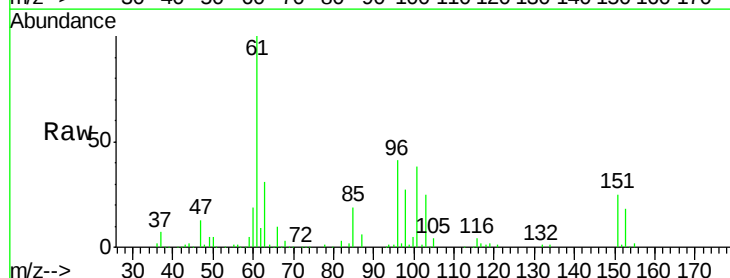
apatel
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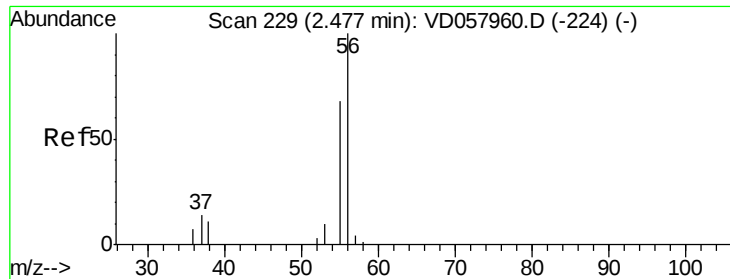


#12

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





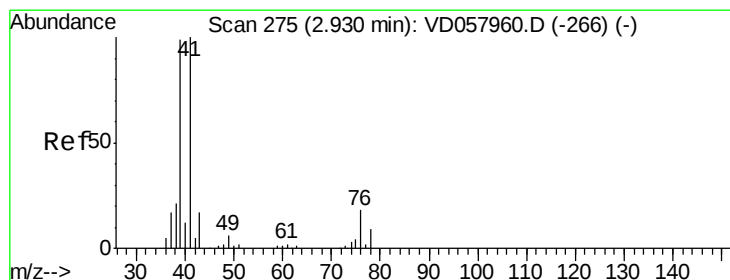
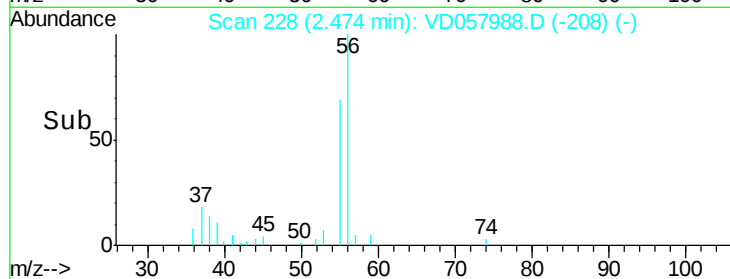
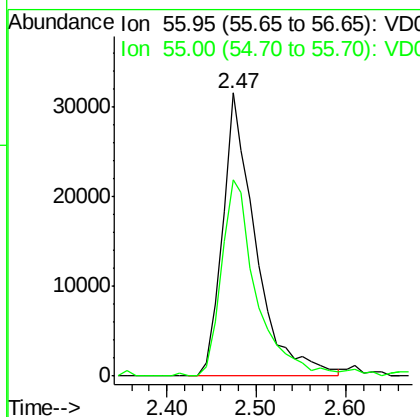
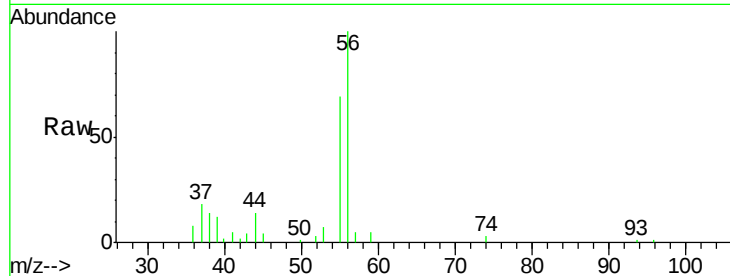
#13
Acrolein
Concen: 237.046 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 81910
Ion Ratio Lower Upper
56 100
55 69.4 54.0 81.0

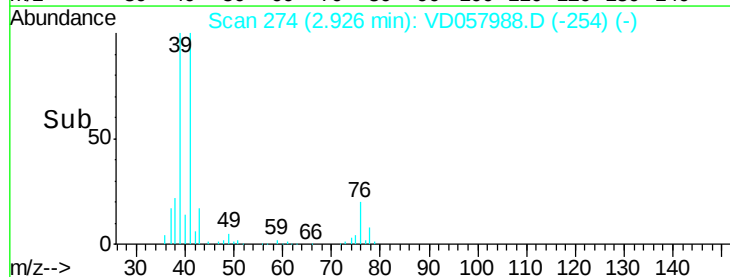
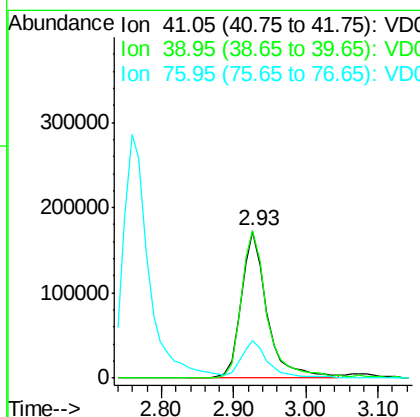
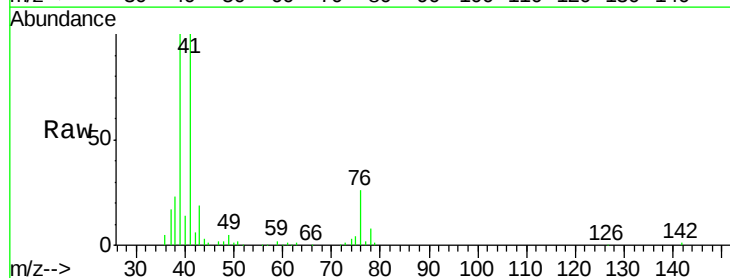
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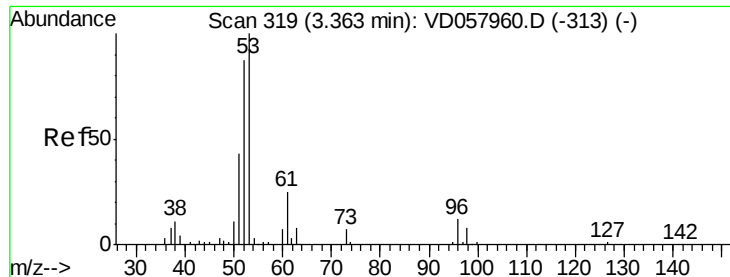
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#14
Allyl chloride
Concen: 51.756 ug/l
RT: 2.93 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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





#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

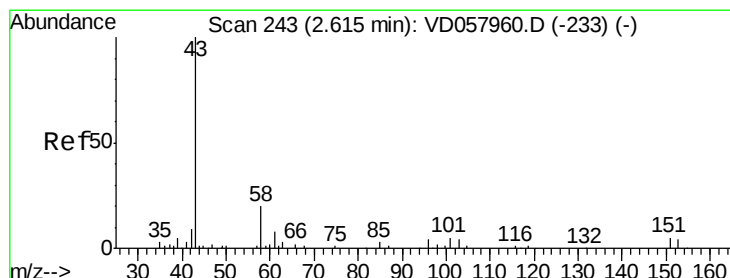
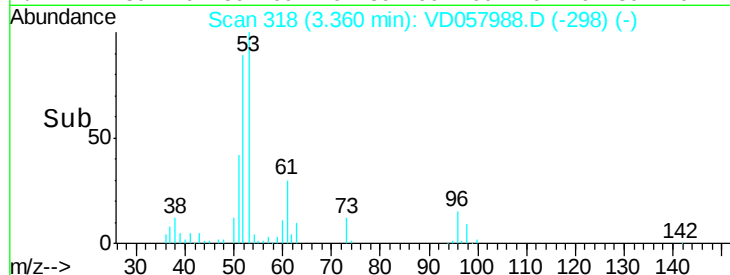
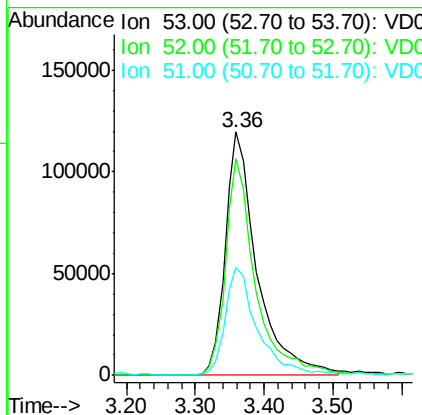
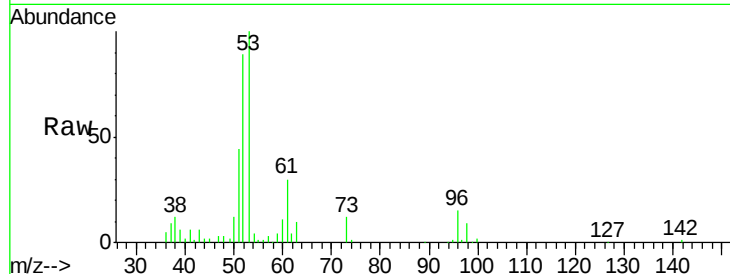
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	382208
Ion	Ratio	Lower	Upper
53	100		
52	89.2	69.9	104.9
51	44.3	34.3	51.5

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#16

Acetone

Concen: 245.328 ug/l

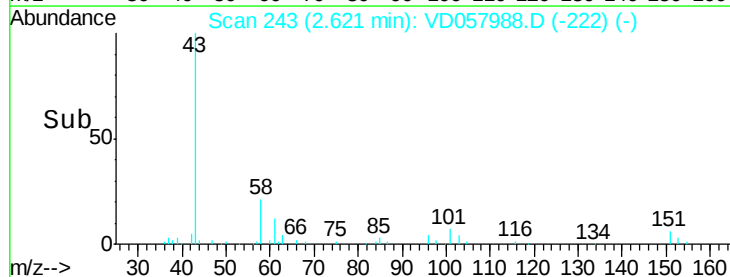
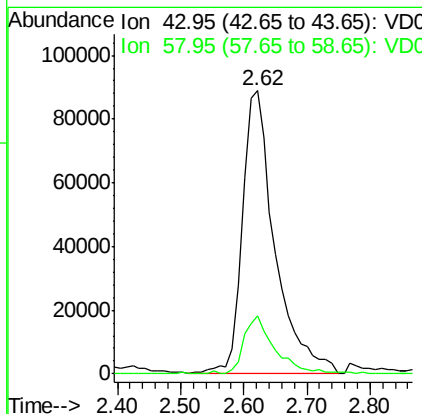
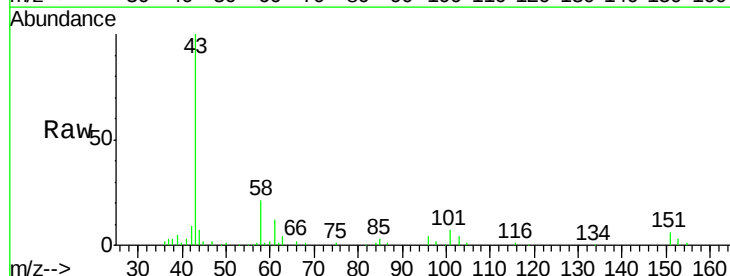
RT: 2.62 min Scan# 243

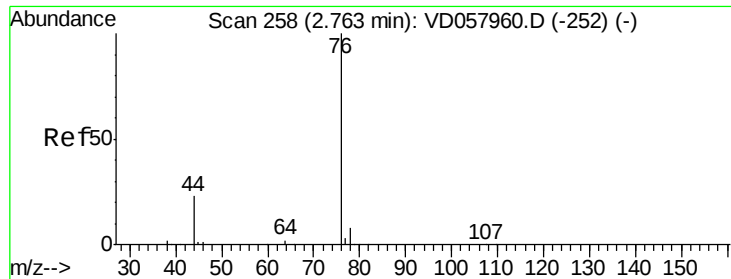
Delta R.T. 0.01 min

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





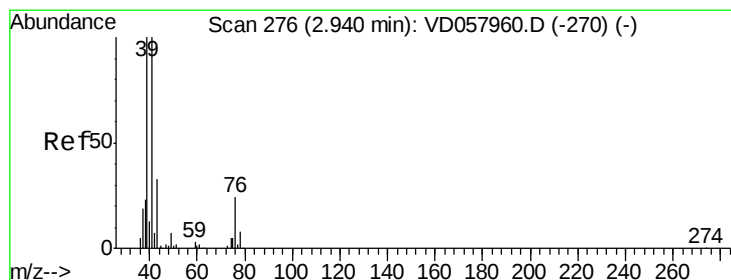
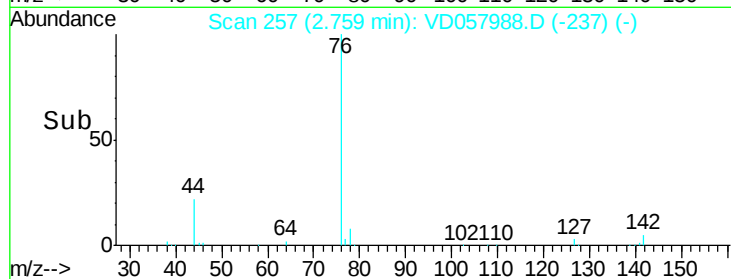
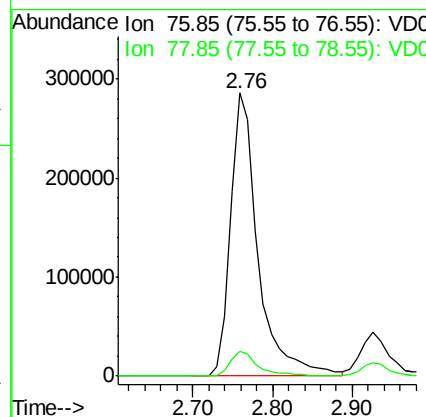
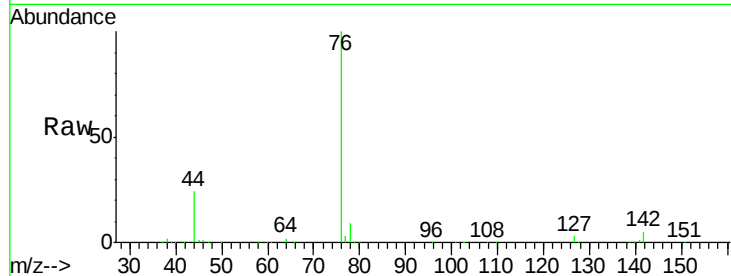
#17
Carbon Disulfide
Concen: 52.996 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.7	10.1

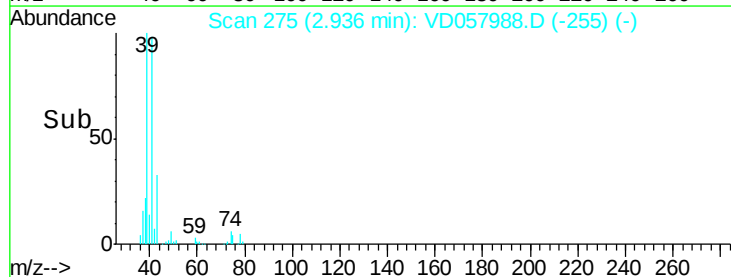
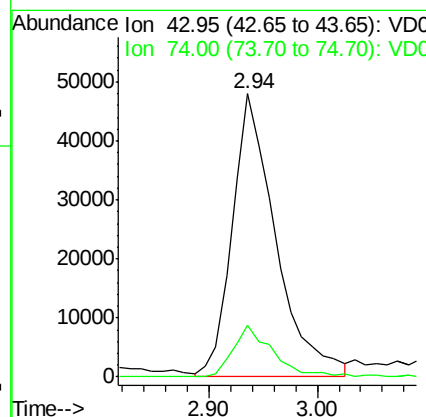
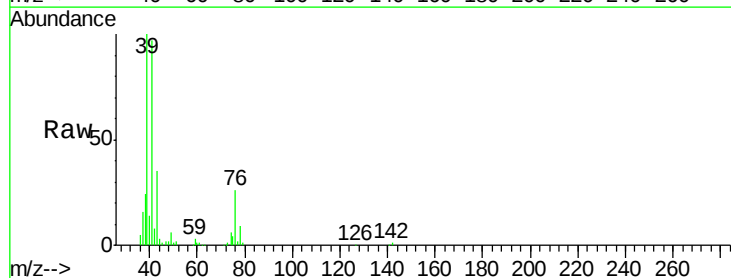
Manual Integrations
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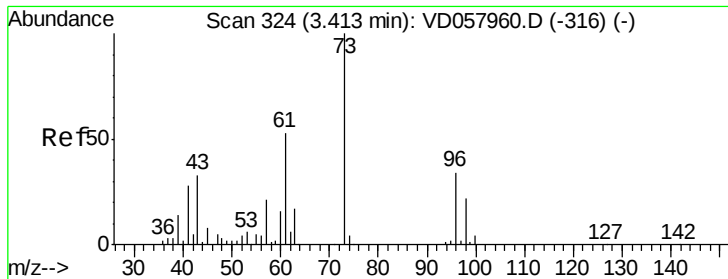
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#18
Methyl Acetate
Concen: 52.437 ug/l m
RT: 2.94 min Scan# 275
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.2	11.2	16.8#





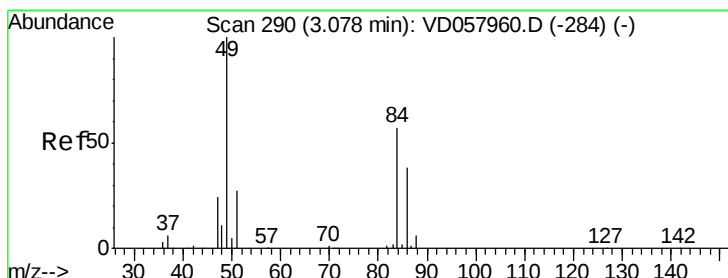
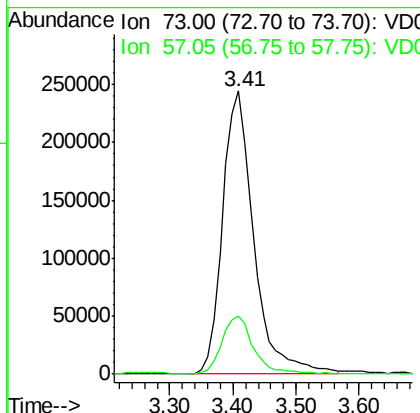
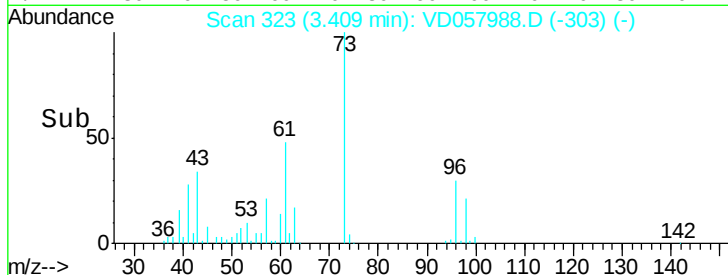
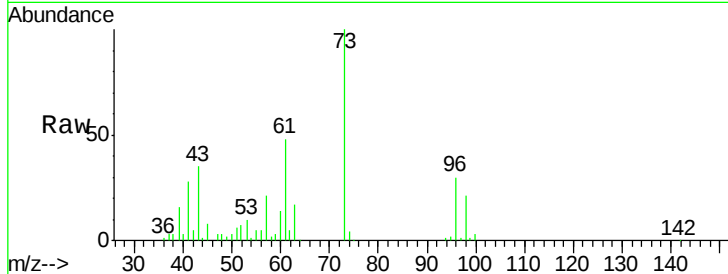
#19
Methvl tert-butvl Ether
Concen: 52.851 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

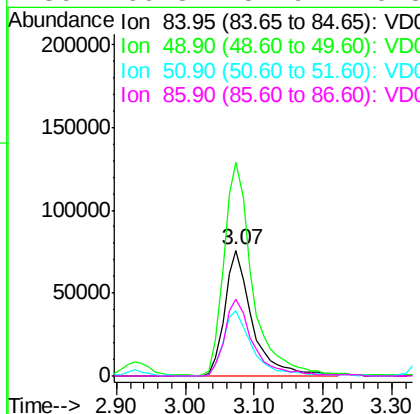
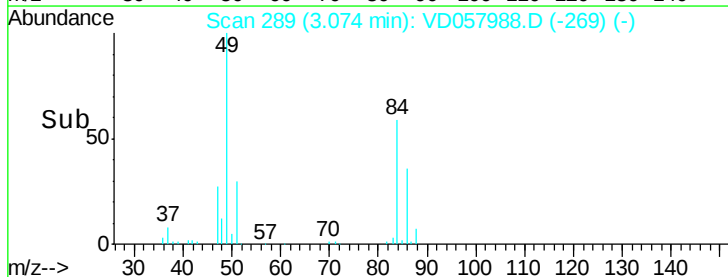
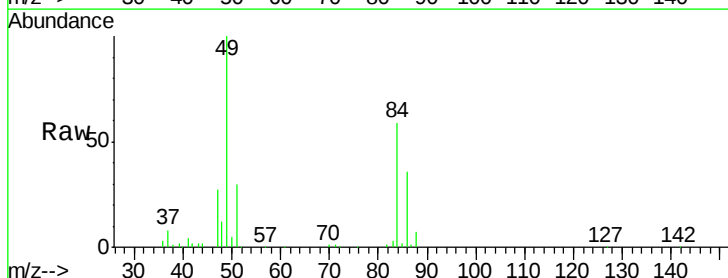
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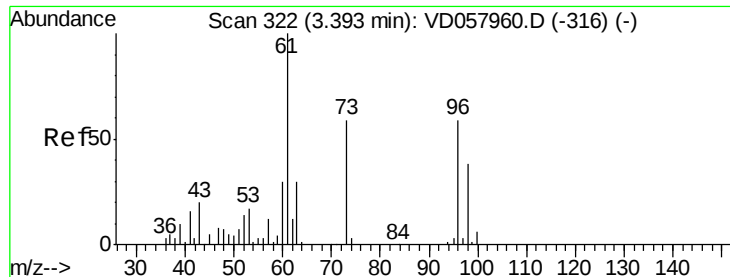
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#20
Methylene Chloride
Concen: 58.717 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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

Tot Ion: 96 Resp: 401165

Ion Ratio Lower Upper

96 100

61 173.6 135.2 202.8

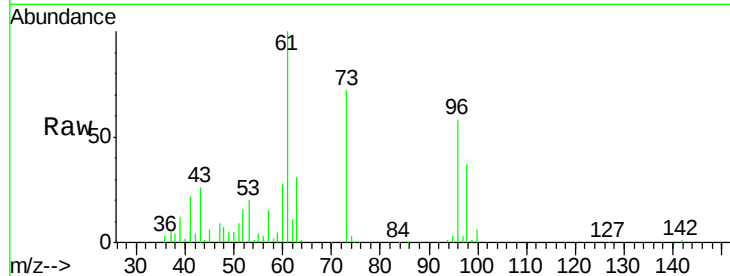
98 64.3 51.7 77.5

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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

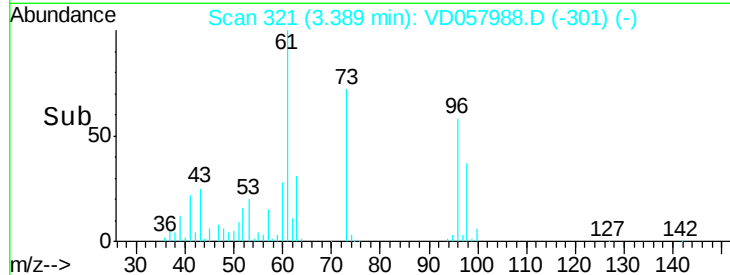
300000

200000

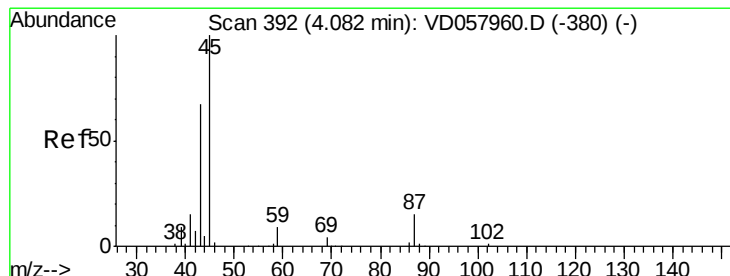
100000

0

Time-->



Time-->



#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

2000000

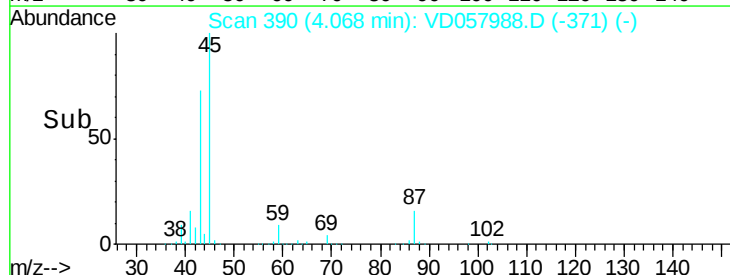
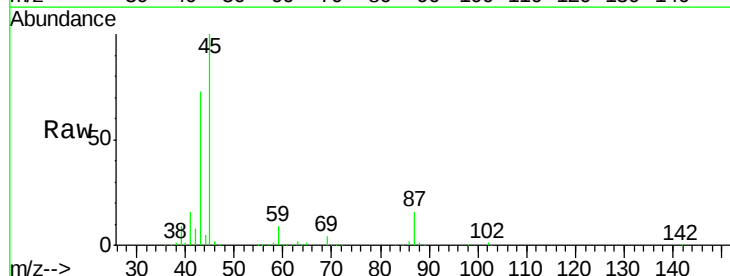
1500000

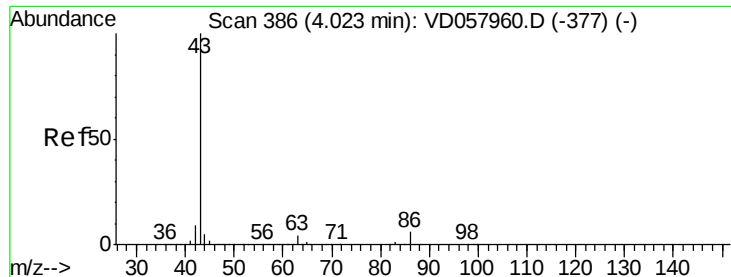
1000000

500000

0

Time-->





#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

Tot Ion: 43 Resp: 4851219

Ion Ratio Lower Upper

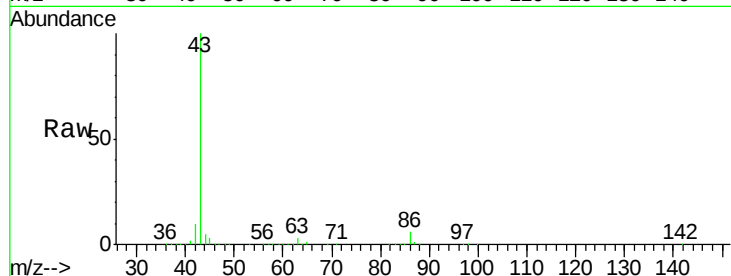
43 100

86 5.8 4.7 7.1

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

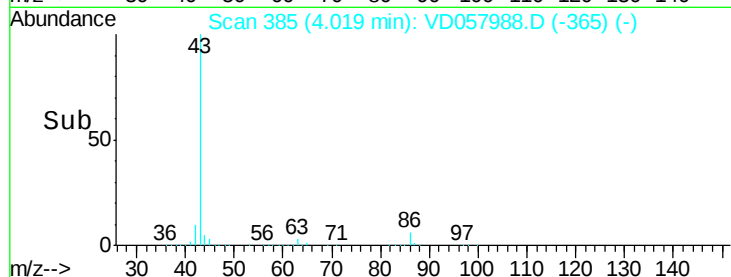
1500000

1000000

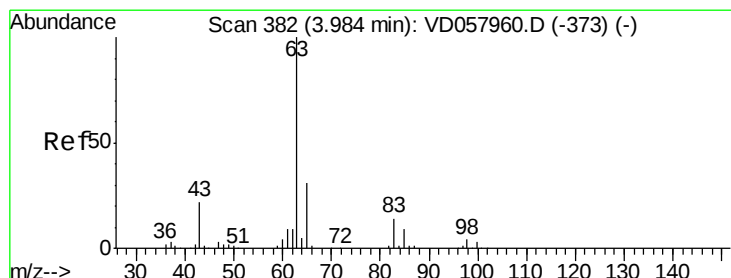
500000

0

Time-->



Time-->



#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

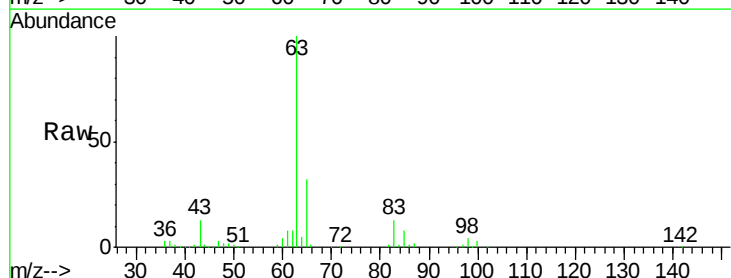
Tgt Ion: 63 Resp: 926198

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

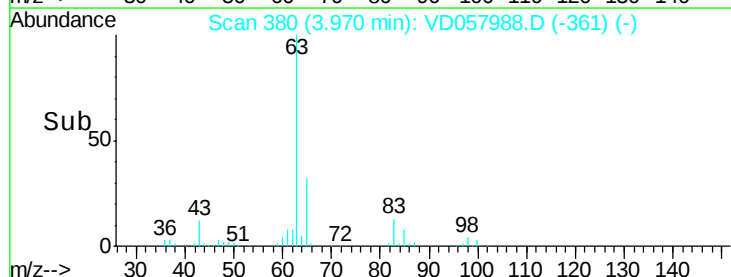
300000

200000

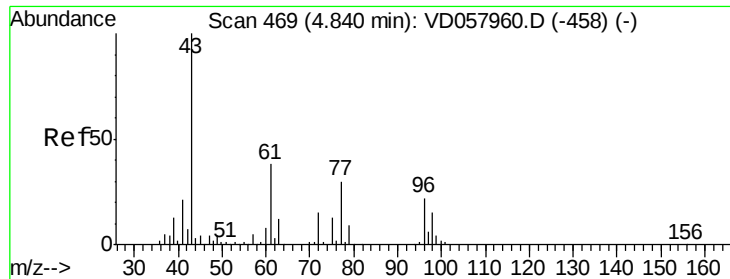
100000

0

Time-->



Time-->



#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

Tot Ion: 43 Resp: 787583

Ion Ratio Lower Upper

43 100

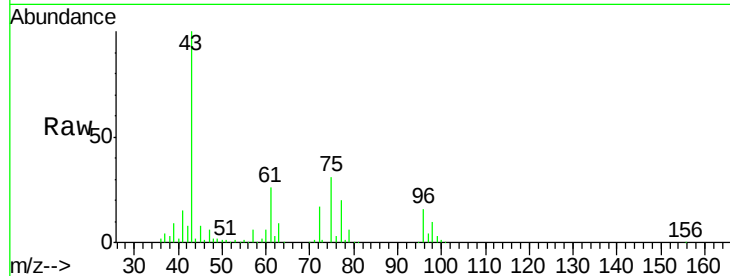
72 17.1 12.0 18.0

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

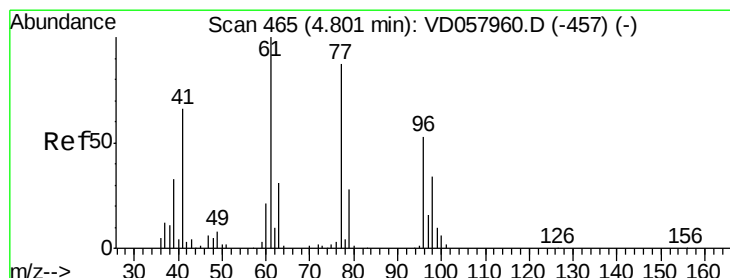
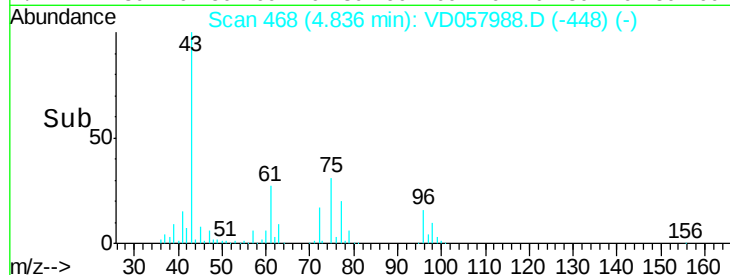
100000

50000

0

4.70 4.80 4.90

Time-->



#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

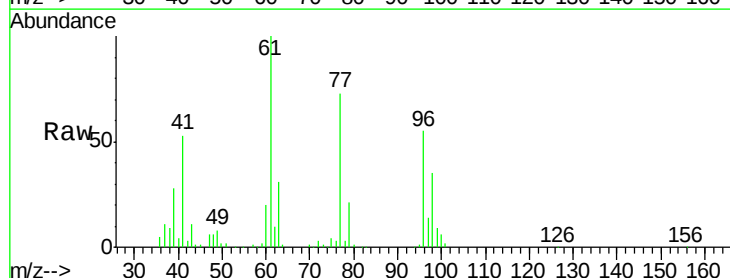
Acq: 7 Jun 2018 23:52

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

250000

200000

150000

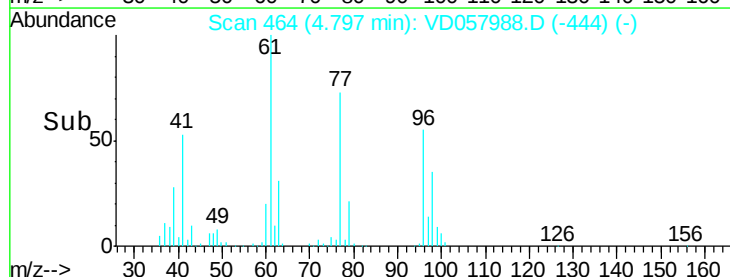
100000

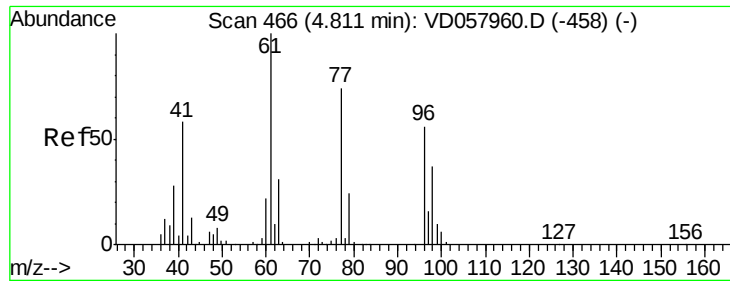
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#27

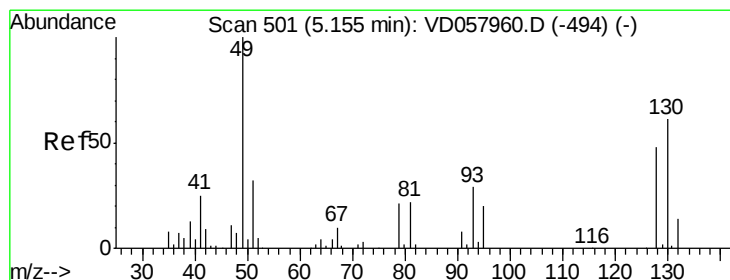
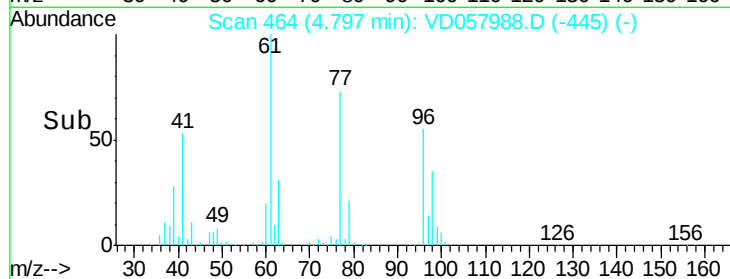
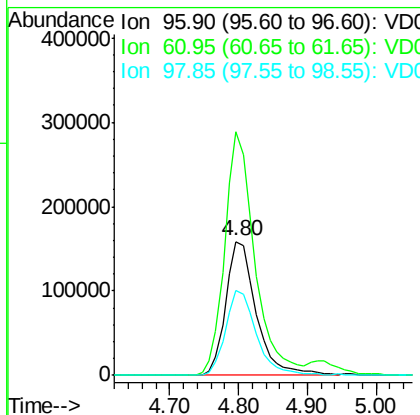
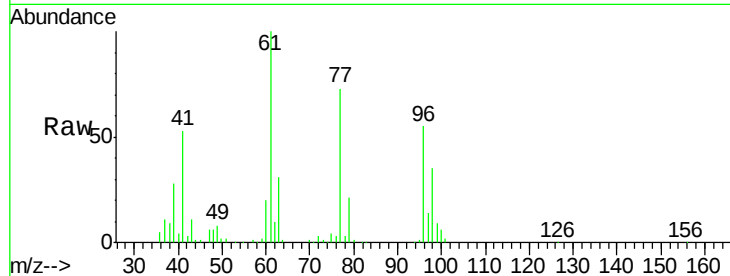
cis-1,2-Dichloroethene
 Concen: 51.238 ug/l
 RT: 4.80 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	489062		
61	181.6	0.0	355.0	
98	63.4	0.0	129.6	

Manual Integrations
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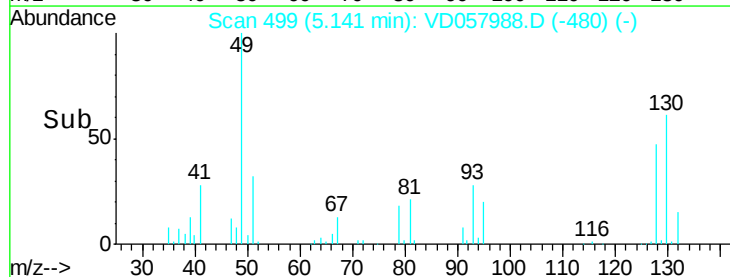
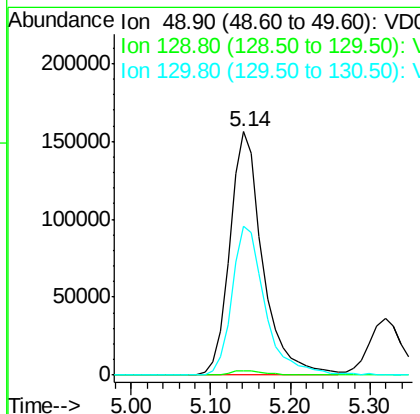
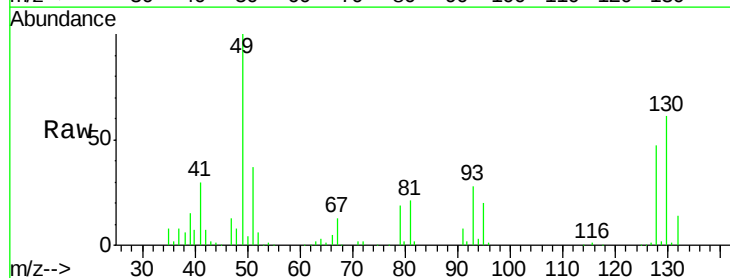
apatel
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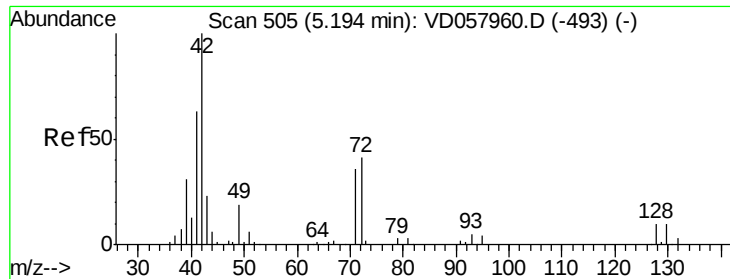


#28

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	Ratio	Resp	Lower	Upper
49	100	449082		
129	2.0	0.0	3.6	
130	61.2	48.8	73.2	





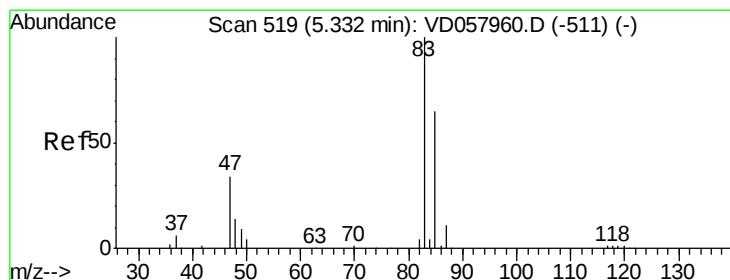
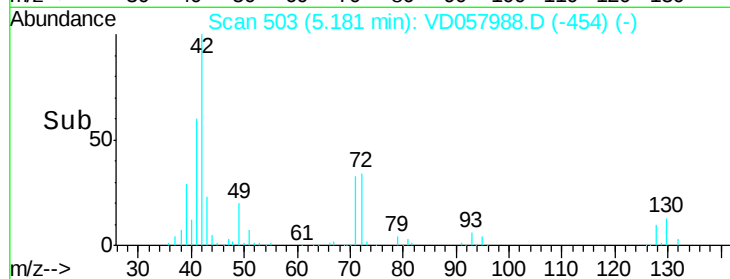
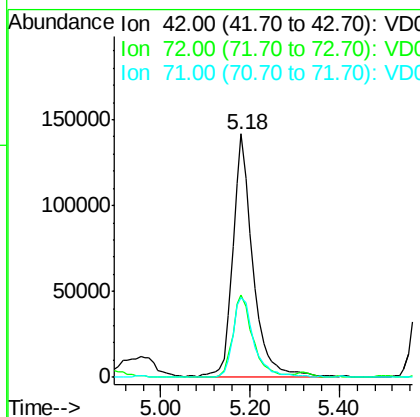
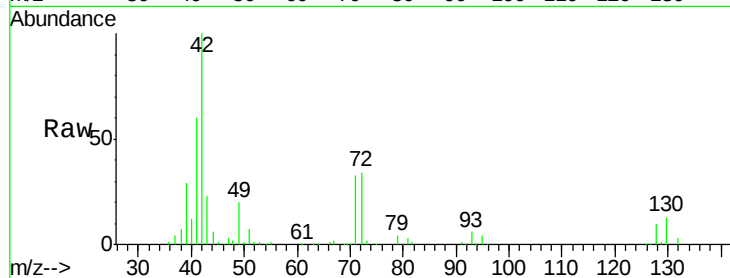
#29
Tetrahydrofuran
Concen: 283.771 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	28.5	42.7
71	35.0	27.9	41.9

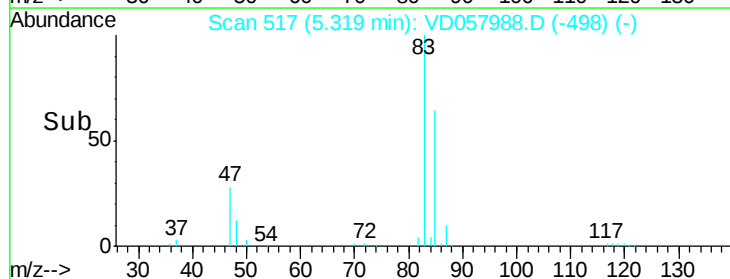
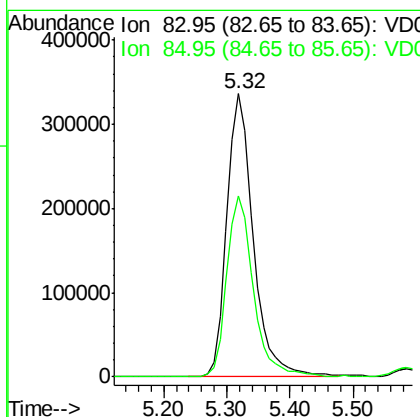
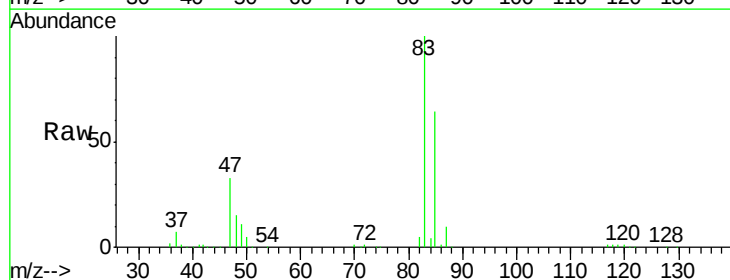
Manual Integrations
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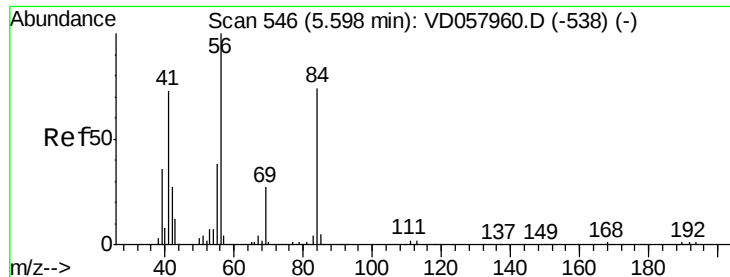
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#30
Chloroform
Concen: 53.427 ug/l
RT: 5.32 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4





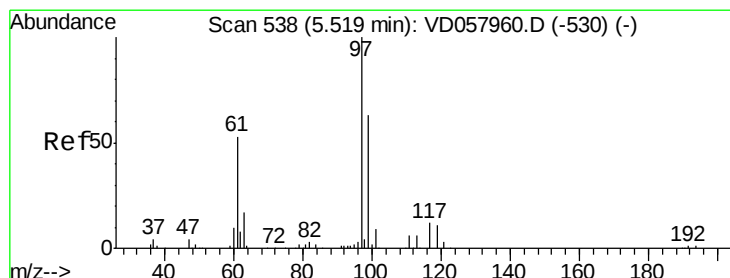
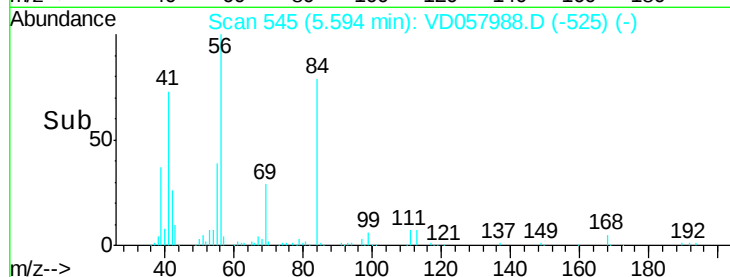
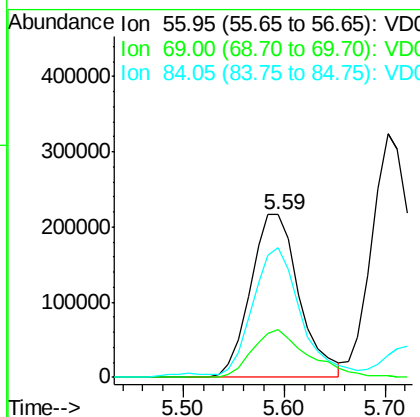
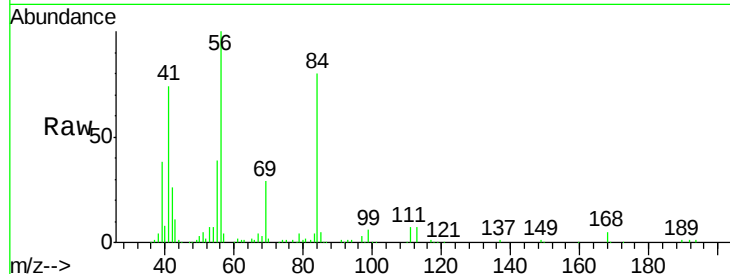
#31
Cyclohexane
Concen: 46.529 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	21.5	32.3
84	79.6	61.0	91.6

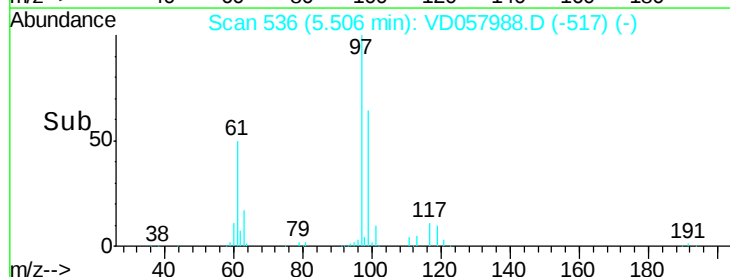
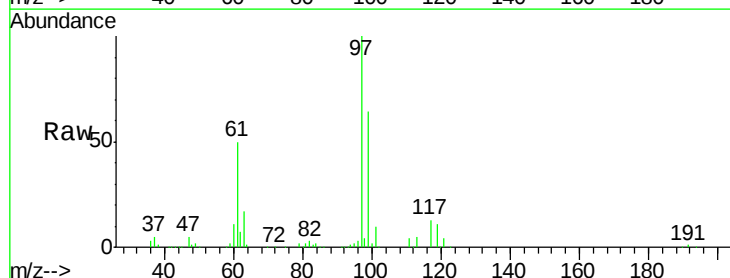
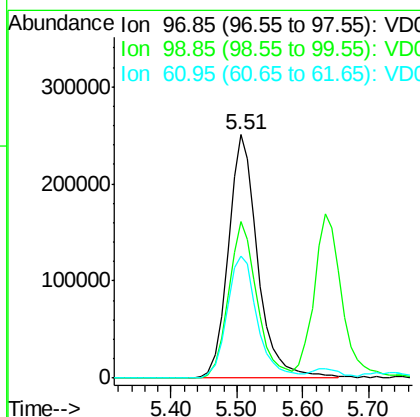
Manual Integrations
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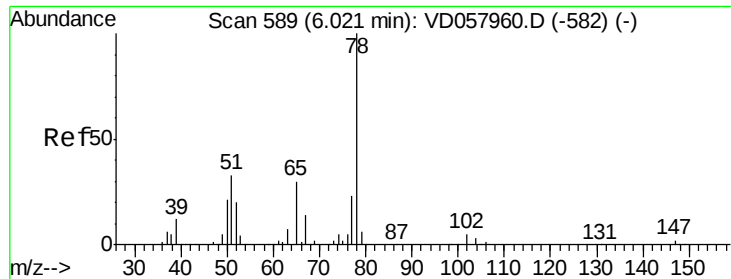
apatel
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#32
1,1,1-Trichloroethane
Concen: 51.058 ug/l
RT: 5.51 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.1	75.1
61	50.3	42.2	63.4





#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

Tot Ion: 65 Resp: 483709

Ion Ratio Lower Upper

65 100

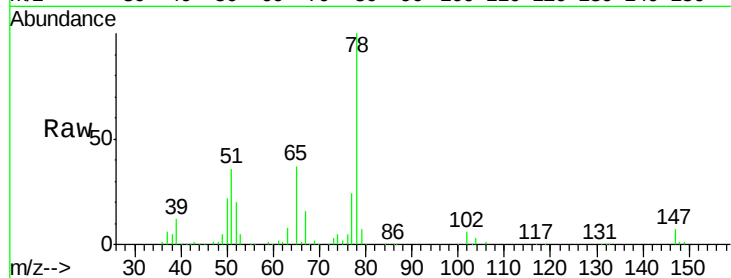
67 43.9 0.0 94.0

Manual Integrations

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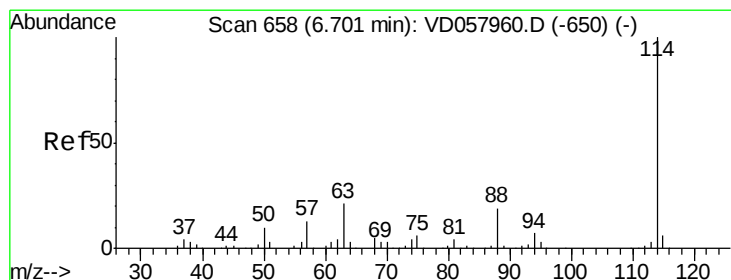
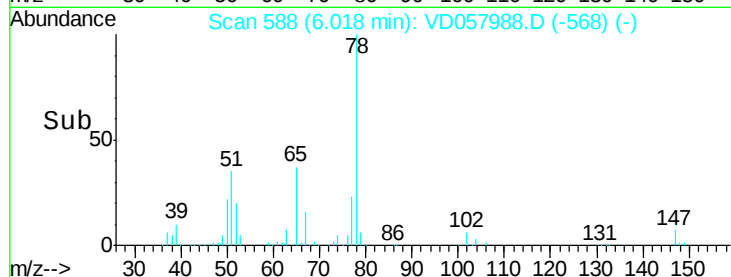
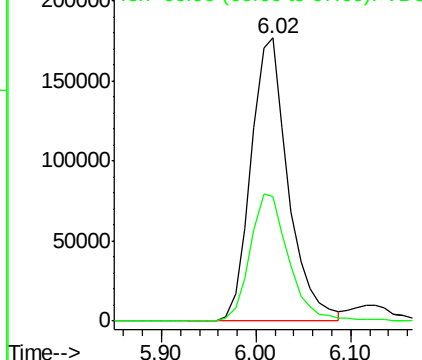
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#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

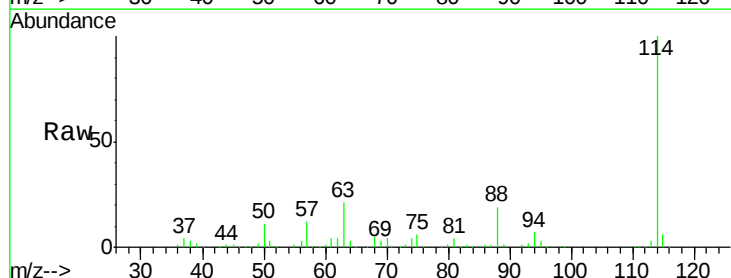
Tgt Ion:114 Resp: 1214096

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

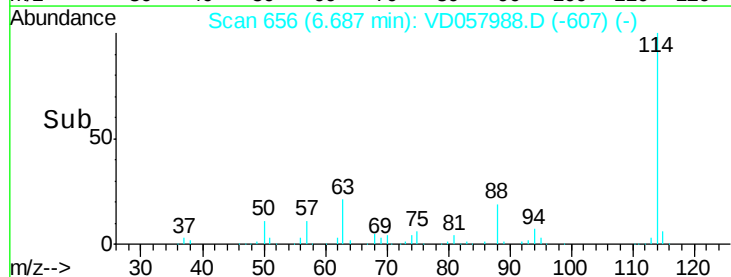
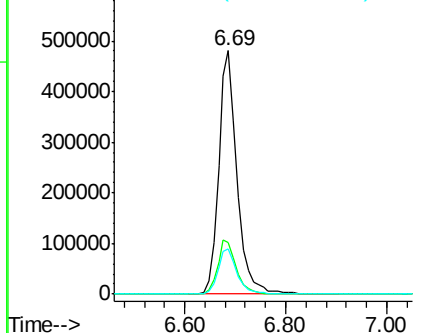
88 18.7 0.0 37.8

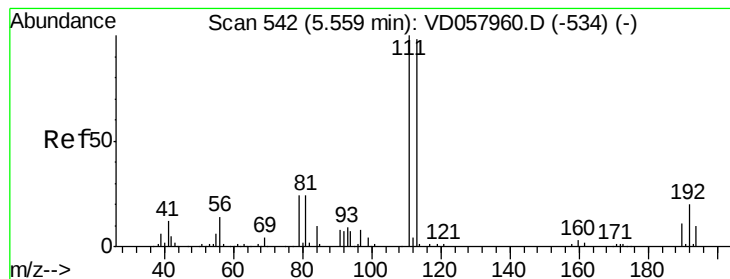


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#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

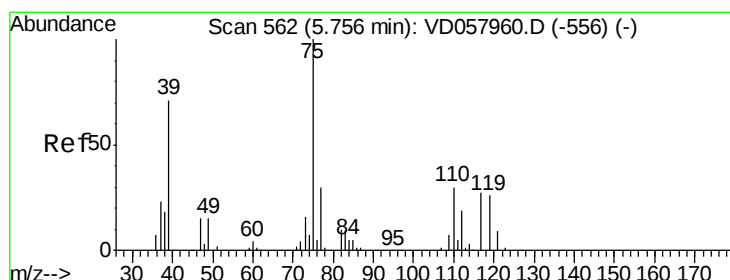
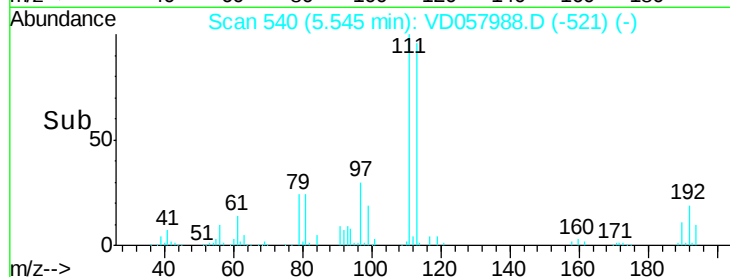
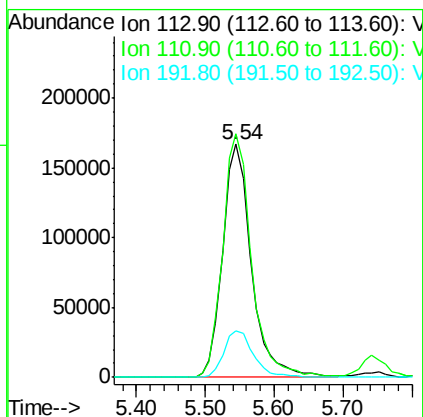
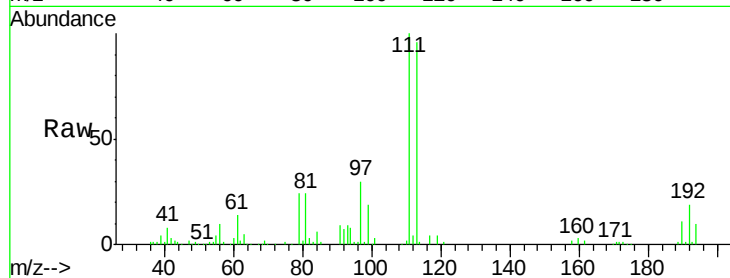
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	484565
Ion Ratio	Lower	Upper	
113	100		
111	104.5	81.5	122.3
192	19.8	16.4	24.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.301 ug/l

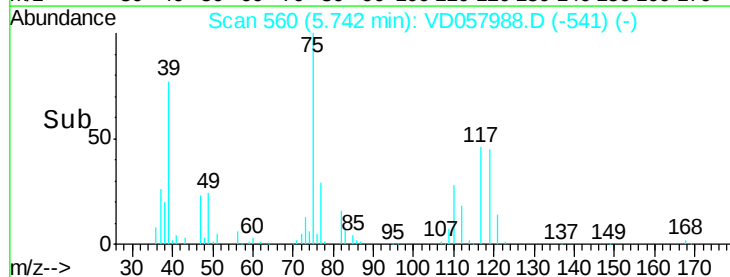
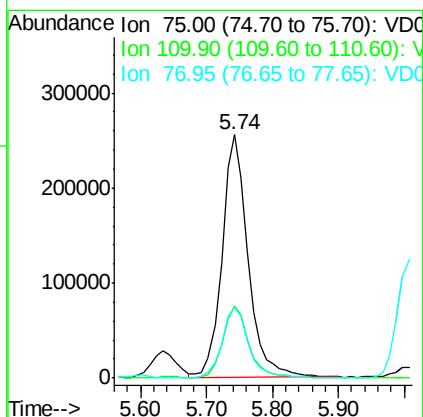
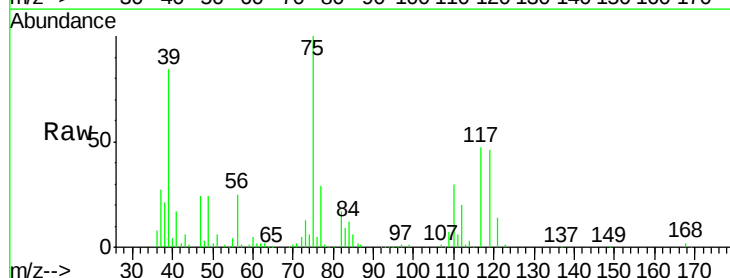
RT: 5.74 min Scan# 560

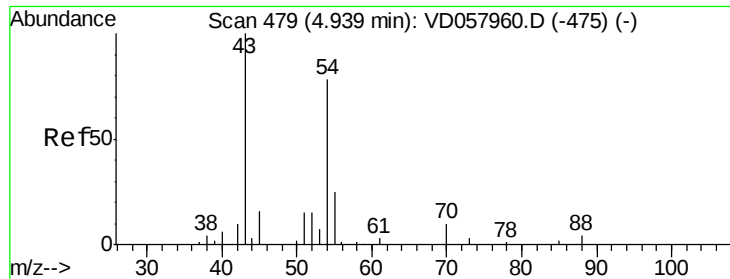
Delta R.T. -0.01 min

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





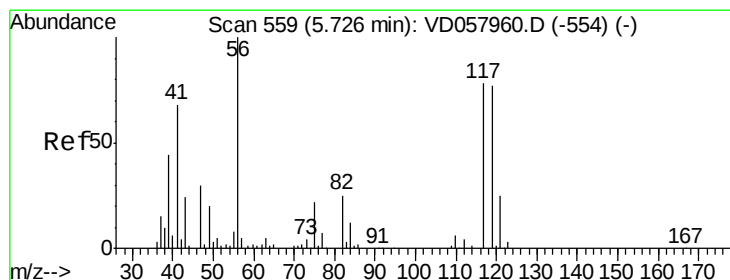
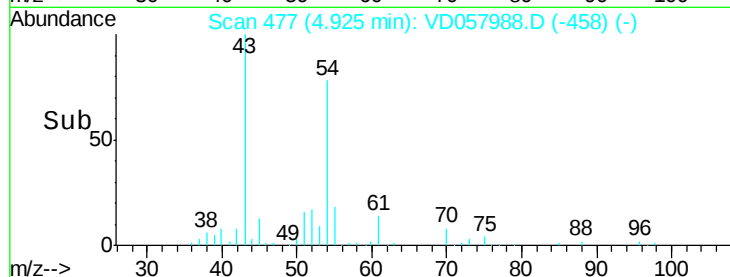
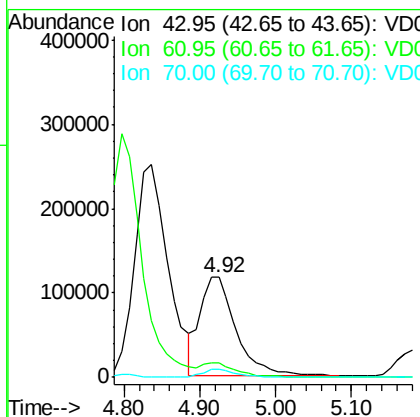
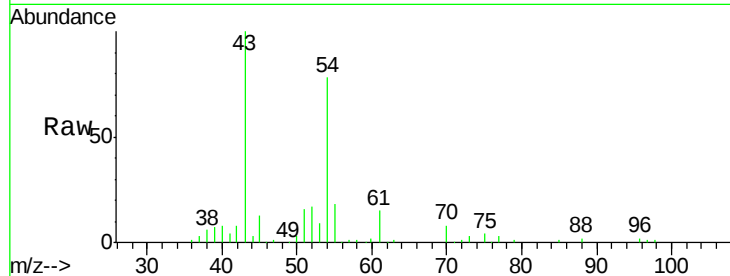
#37
Ethyl Acetate
Concen: 53.143 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	9.9	14.9#
70	8.0	5.7	8.5

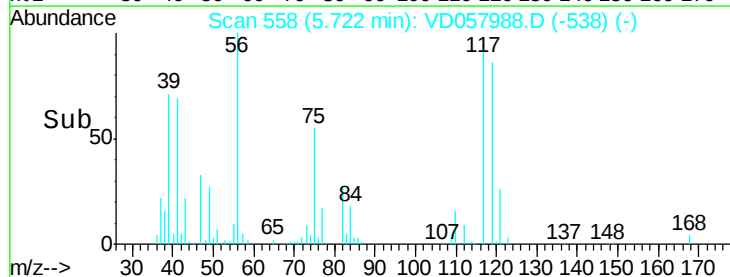
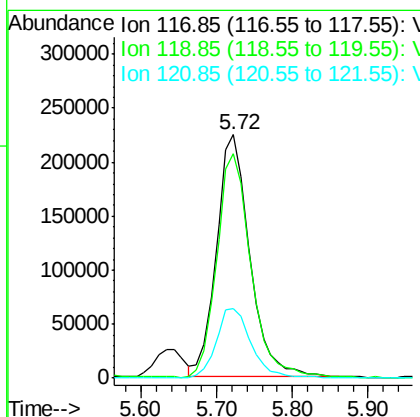
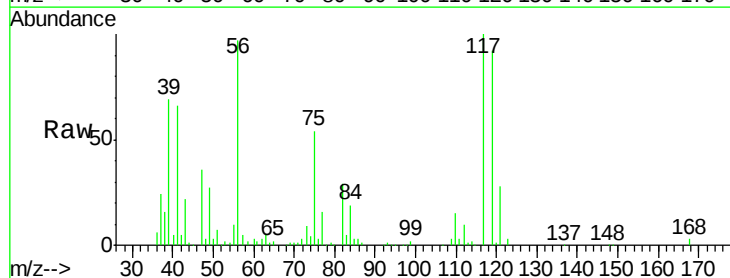
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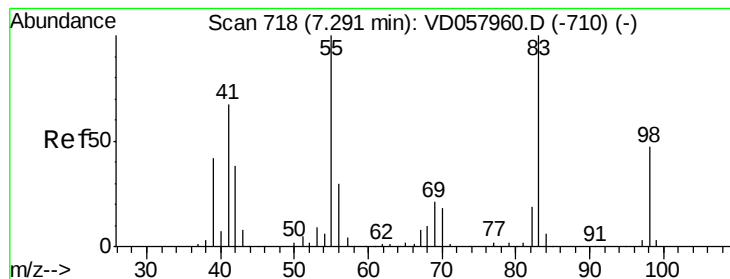
apatel
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#38
Carbon Tetrachloride
Concen: 51.649 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.1	114.1
121	28.5	24.9	37.3





#39

Methvlcvclohexane

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

Tot Ion: 83 Resp: 669027

Ion Ratio Lower Upper

83 100

55 103.0 80.3 120.5

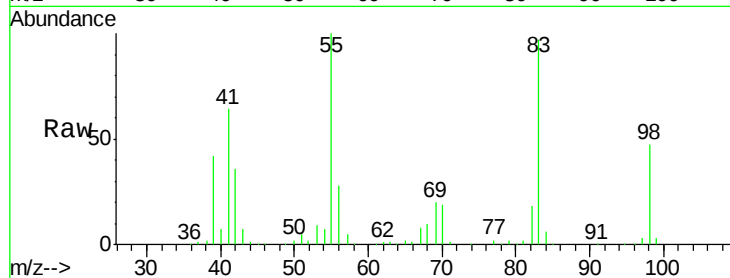
98 48.2 38.0 57.0

Manual Integrations

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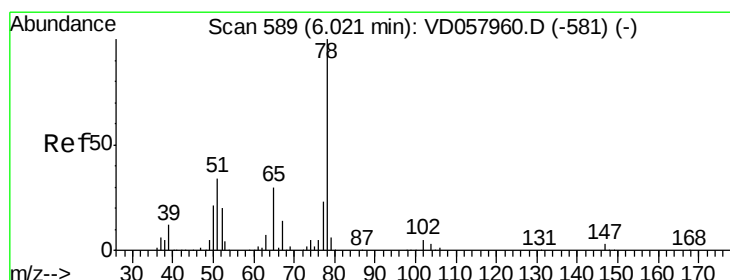
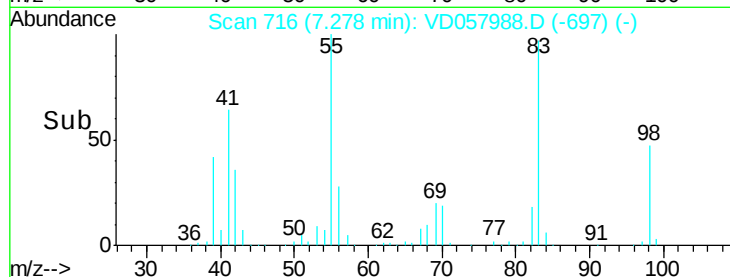
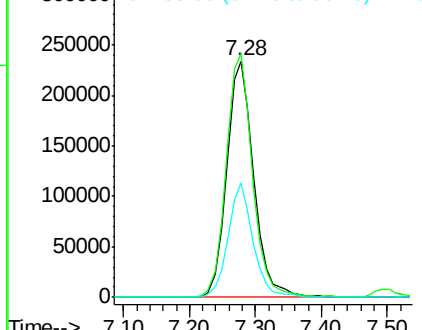
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Abundance Ion 83.05 (82.75 to 83.75): VDC

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

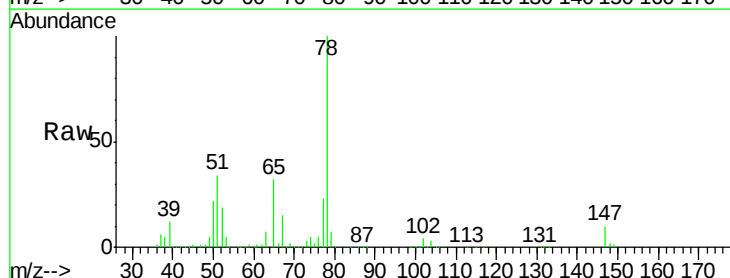
Acq: 7 Jun 2018 23:52

Tgt Ion: 78 Resp: 1590341

Ion Ratio Lower Upper

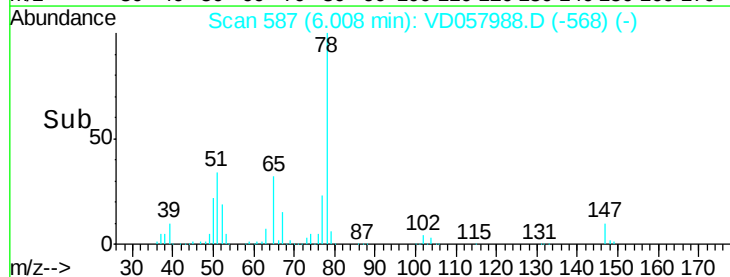
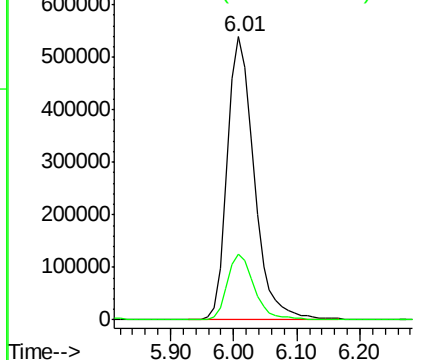
78 100

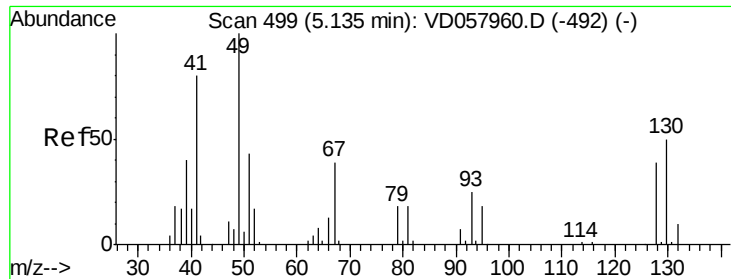
77 23.2 18.1 27.1



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

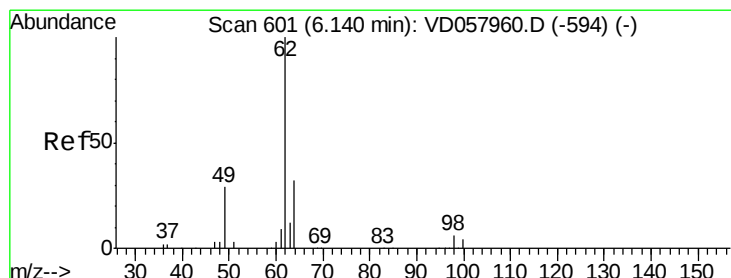
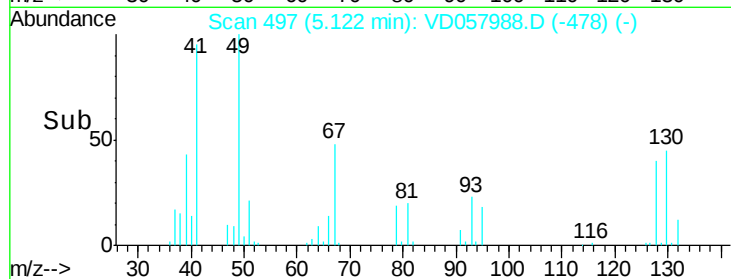
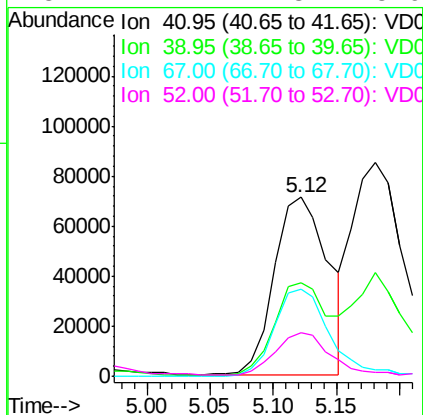
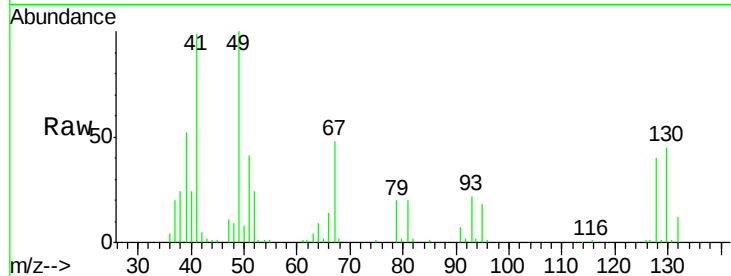
Acq: 7 Jun 2018 23:52

Tot 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

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 54.177 ug/l

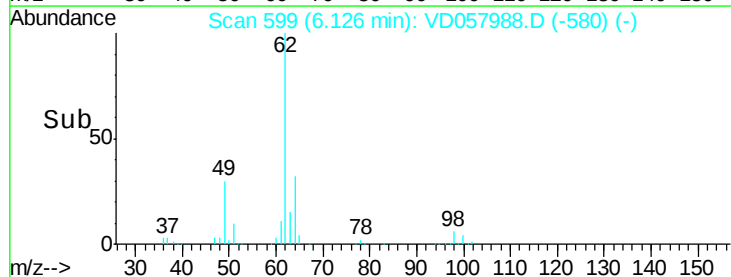
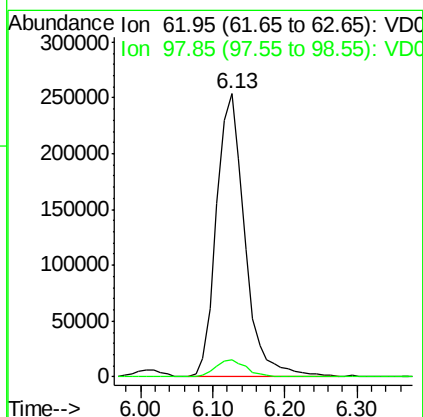
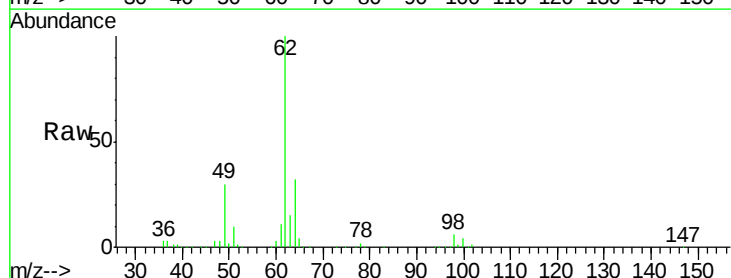
RT: 6.13 min Scan# 599

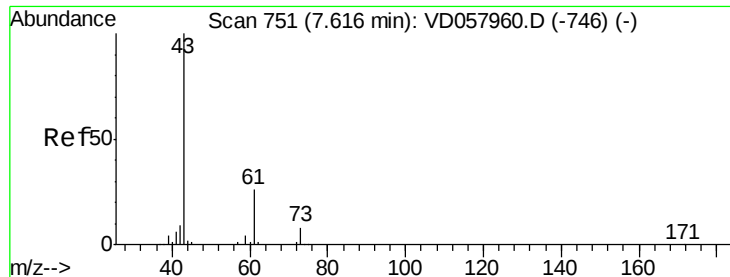
Delta R.T. -0.01 min

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





#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

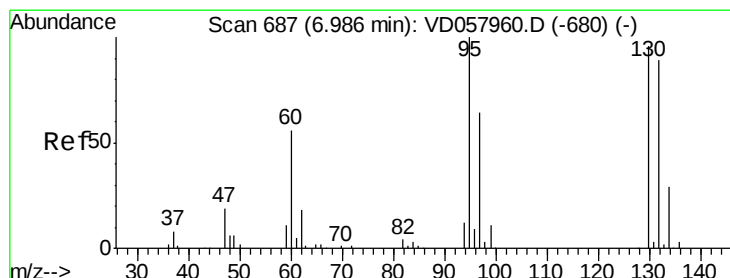
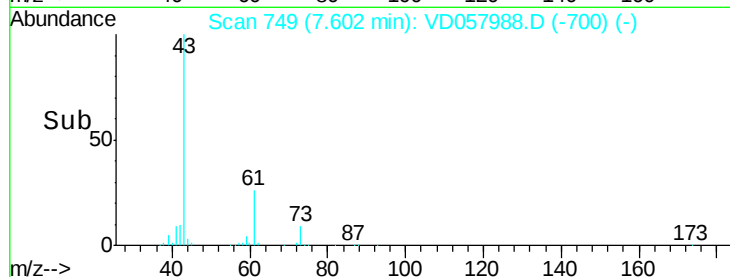
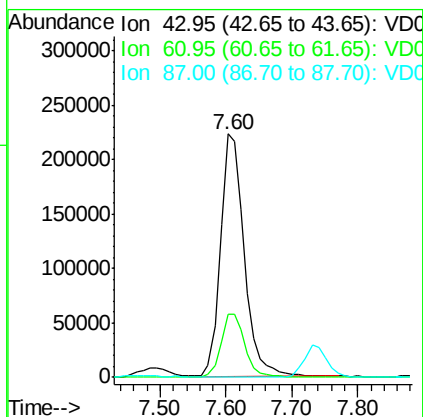
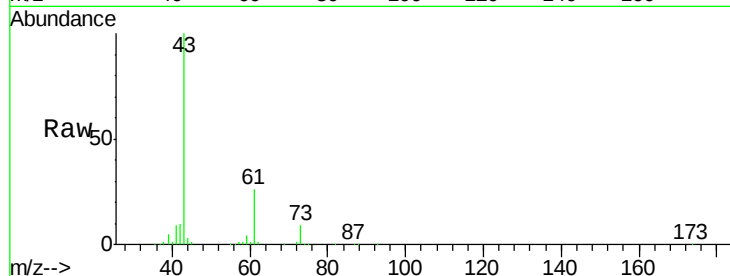
ClientSampleId :

VSTDCCC050

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

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#44

Trichloroethene

Concen: 51.227 ug/l

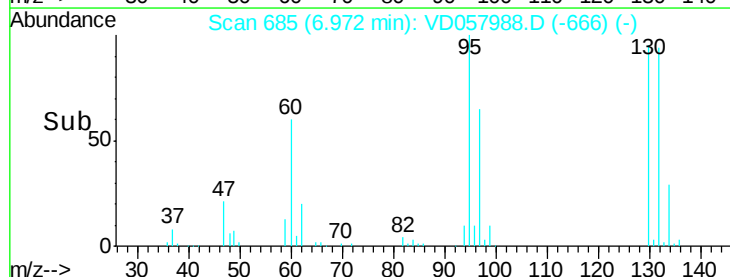
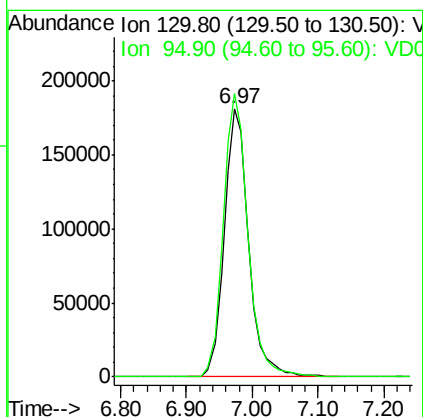
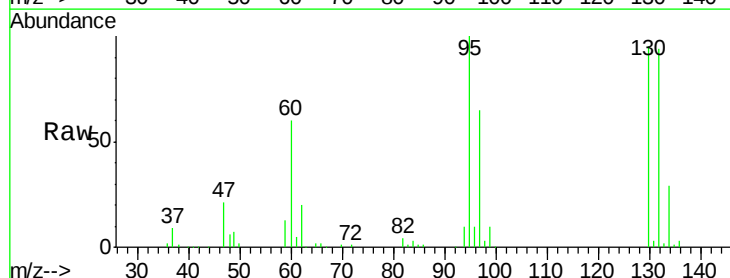
RT: 6.97 min Scan# 685

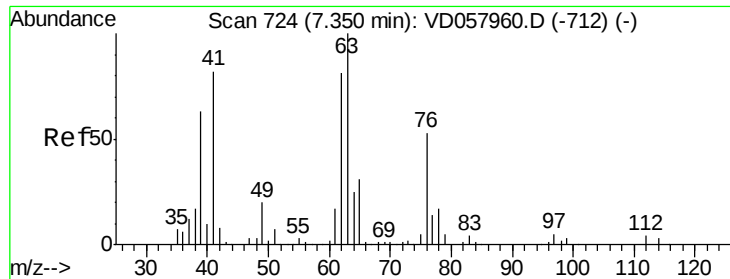
Delta R.T. -0.01 min

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





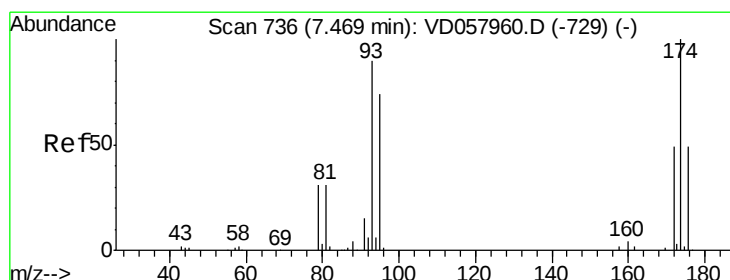
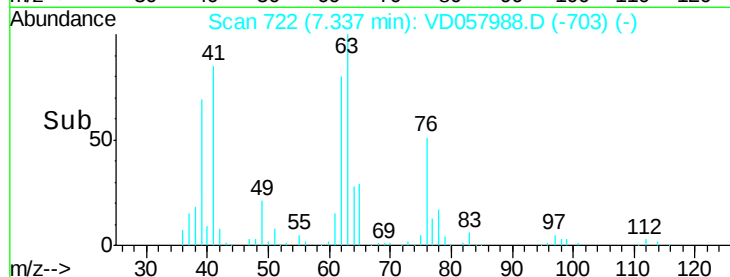
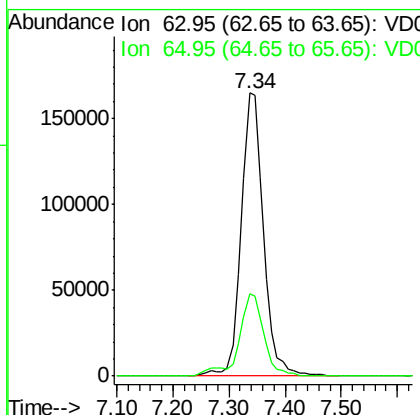
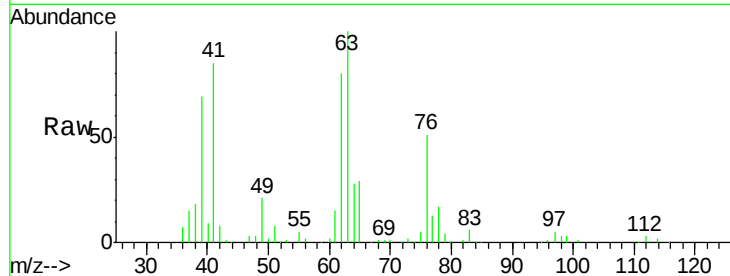
#45
 1,2-Dichloropropane
 Concen: 52.404 ug/l
 RT: 7.34 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 455112
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.9 37.3

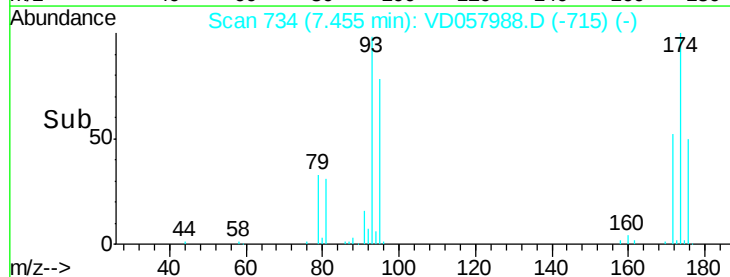
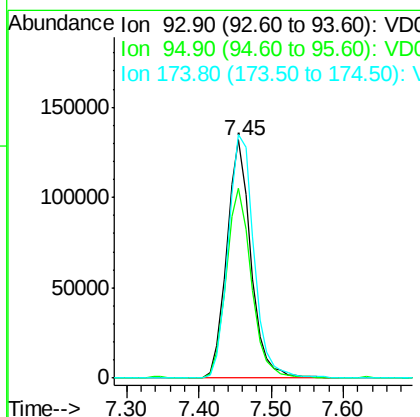
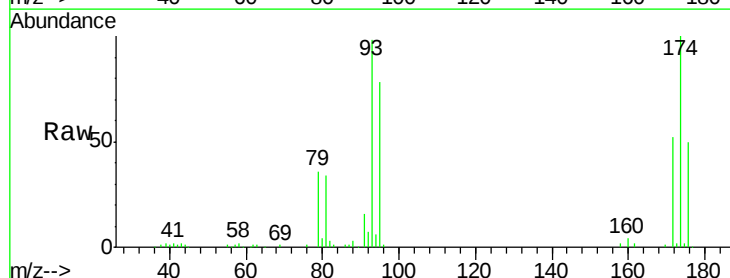
Manual Integrations
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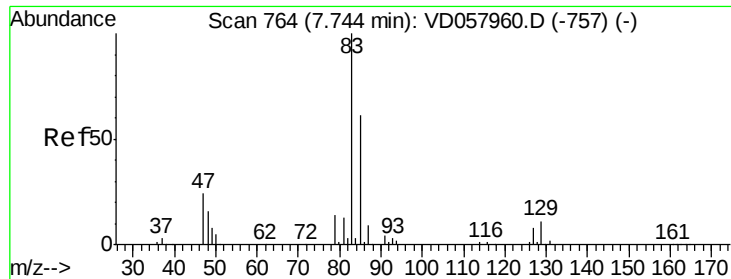
apatel
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#46
 Dibromomethane
 Concen: 55.261 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

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





#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

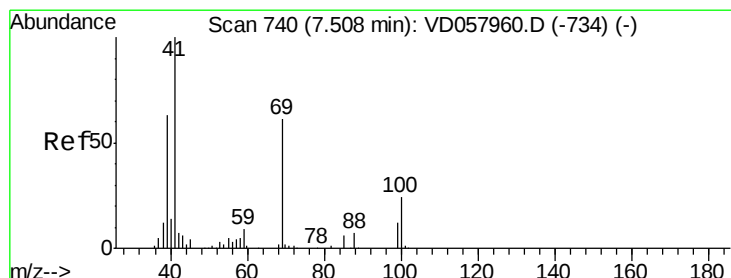
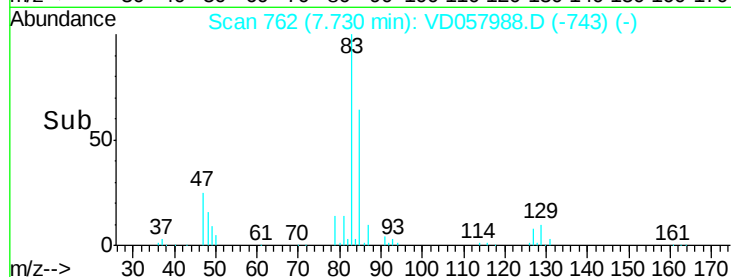
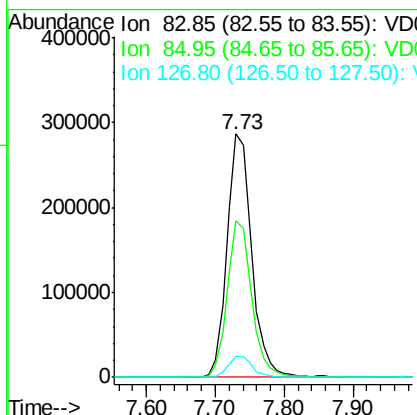
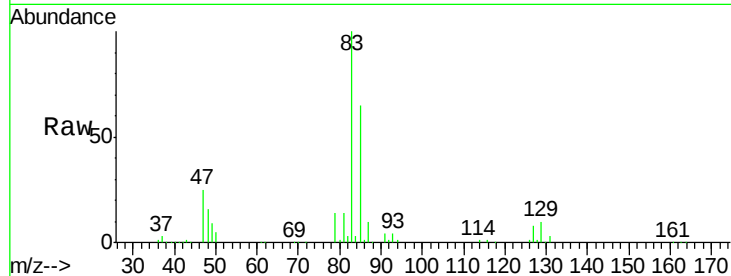
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	711282
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.1	73.7
127	8.4	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.285 ug/l

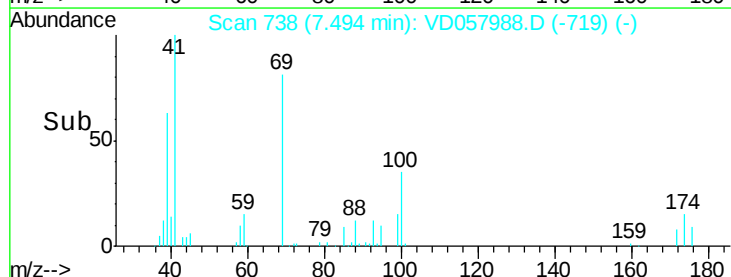
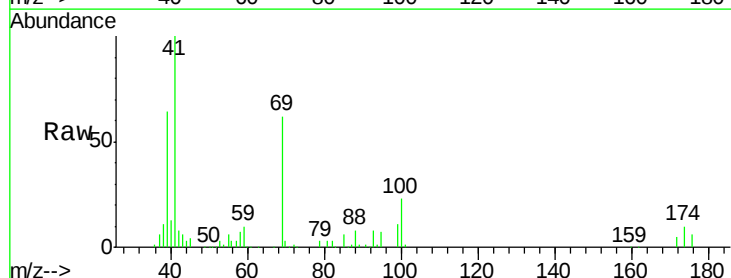
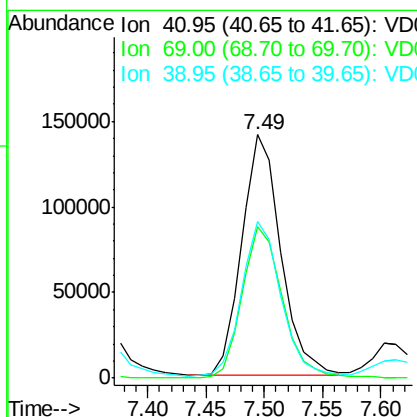
RT: 7.49 min Scan# 738

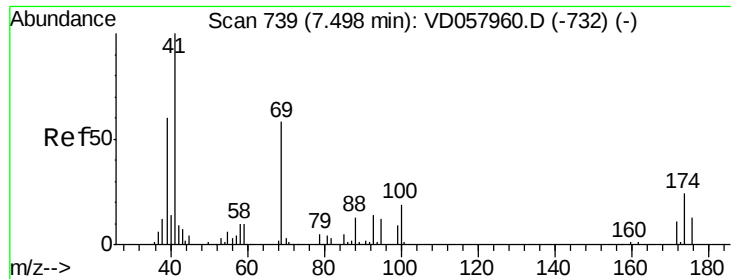
Delta R.T. -0.01 min

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





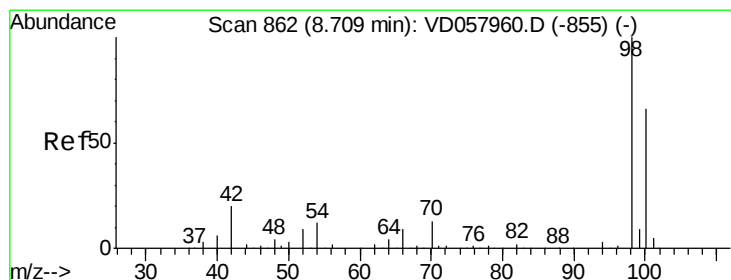
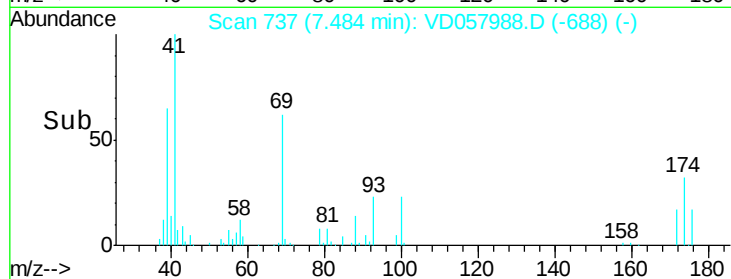
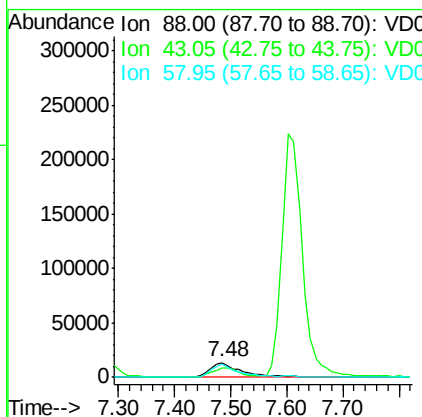
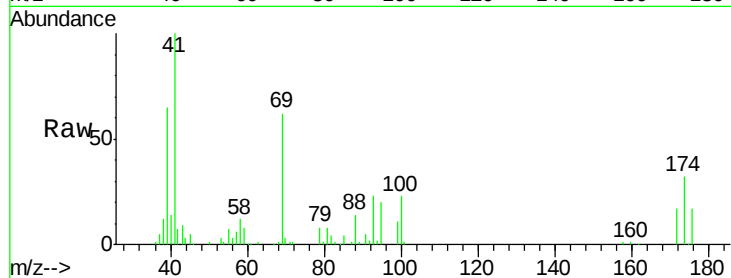
#49
1,4-Dioxane
Concen: 1089.286 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	61.3	46.6	69.8
58	85.4	63.6	95.4

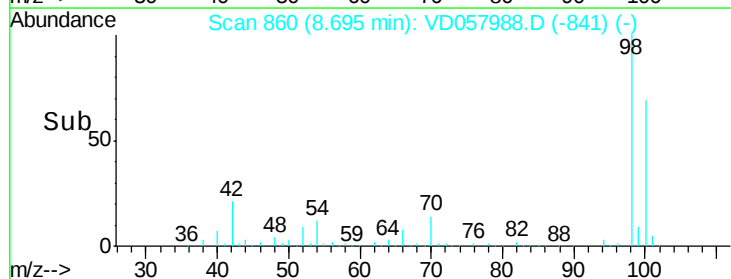
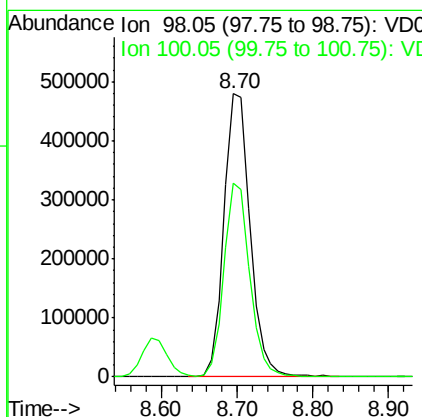
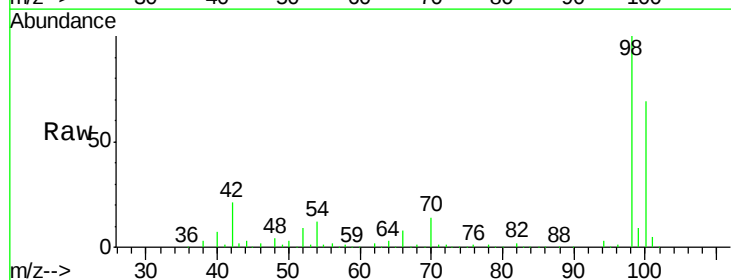
Manual Integrations
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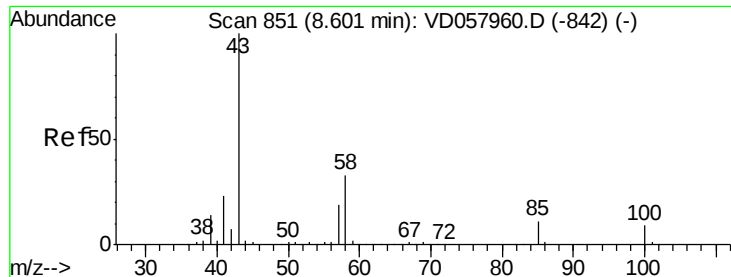
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#50
Toluene-d8
Concen: 1089.286 ug/l
RT: 8.70 min Scan# 860
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion	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

Tot Ion: 43 Resp: 1758986

Ion Ratio Lower Upper

43 100

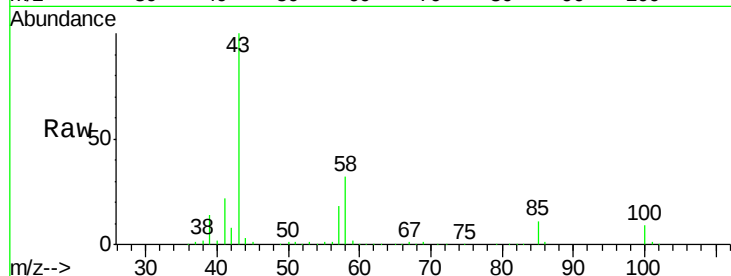
58 32.5 26.2 39.4

Manual Integrations

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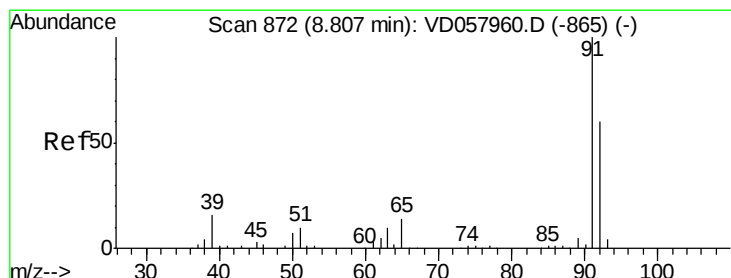
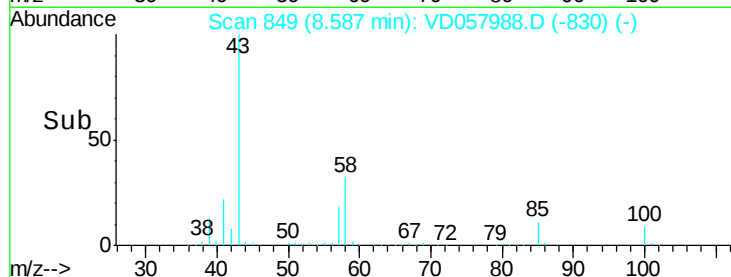
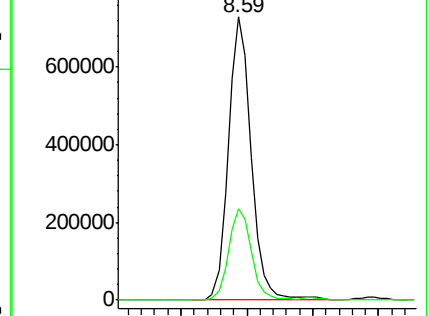
apatel

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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

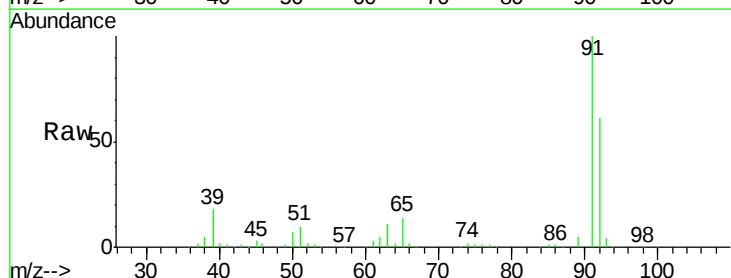
Acq: 7 Jun 2018 23:52

Tgt Ion: 92 Resp: 887449

Ion Ratio Lower Upper

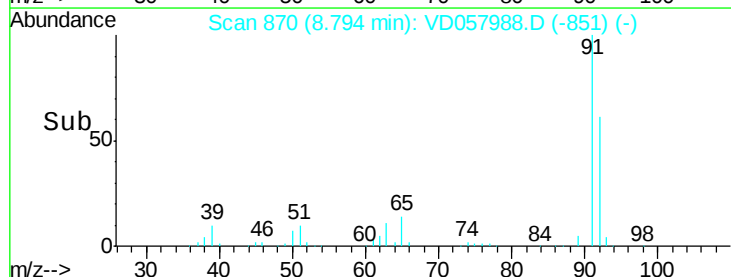
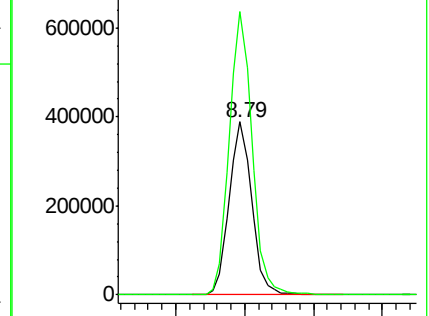
92 100

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





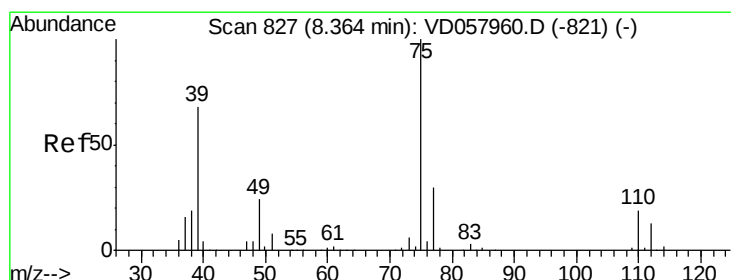
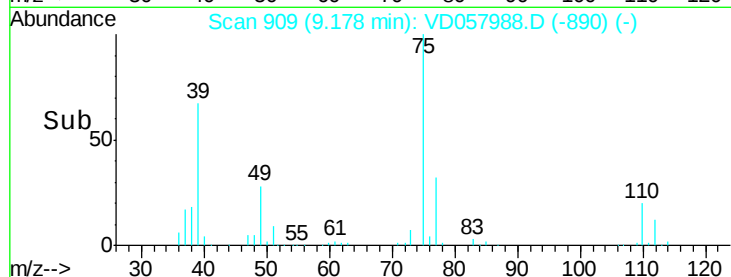
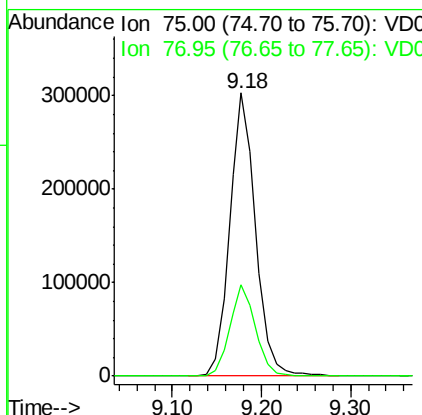
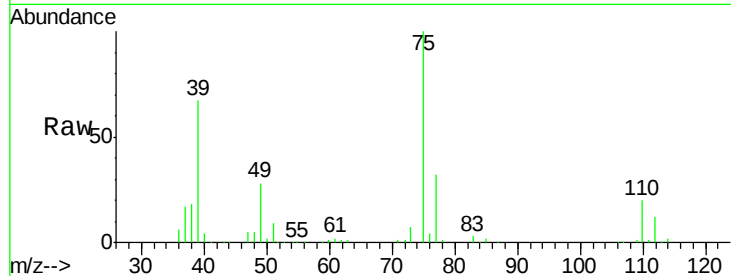
#53
 t-1,3-Dichloropropene
 Concen: 54.524 ug/l
 RT: 9.18 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

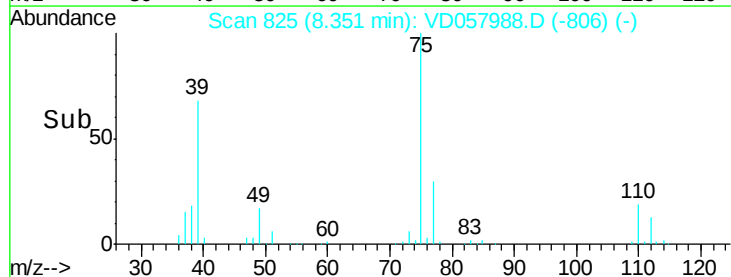
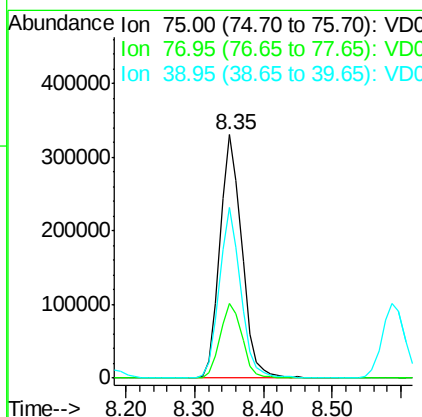
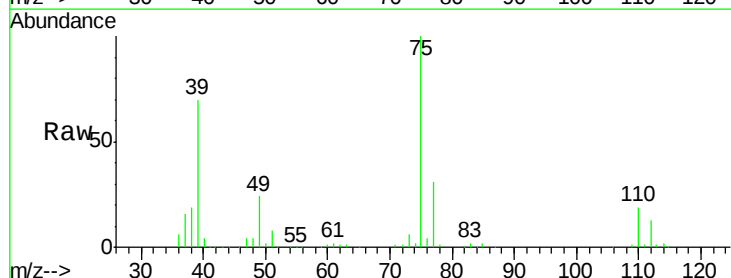
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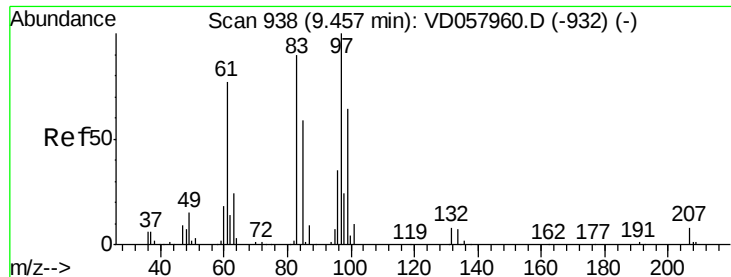
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#54
 cis-1,3-Dichloropropene
 Concen: 55.423 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

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





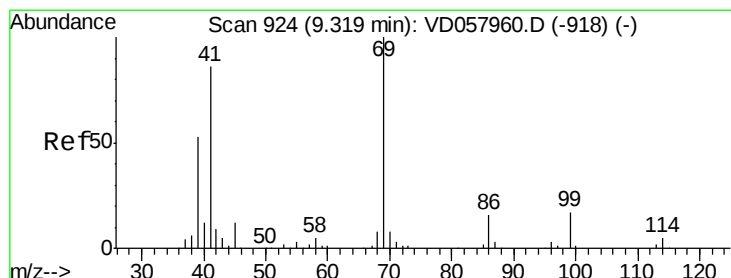
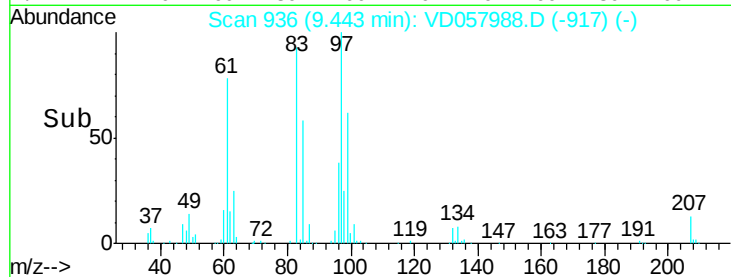
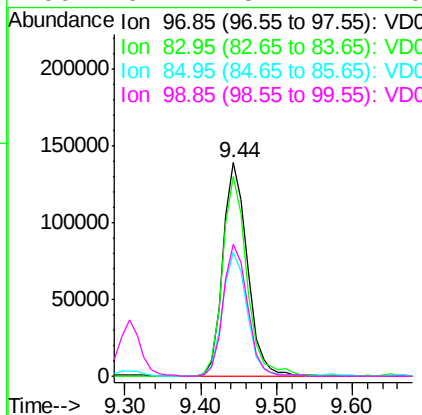
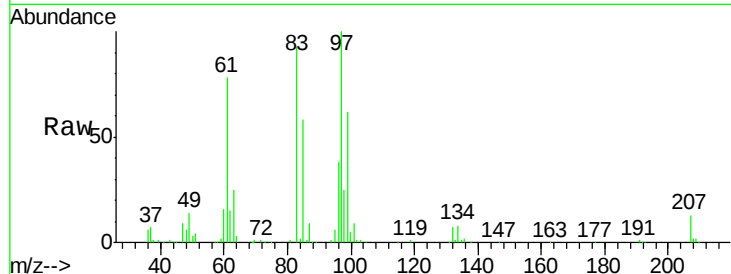
#55
 1,1,2-Trichloroethane
 Concen: 53.834 ug/l
 RT: 9.44 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot 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

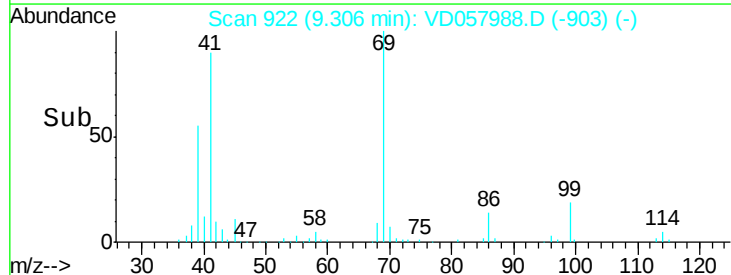
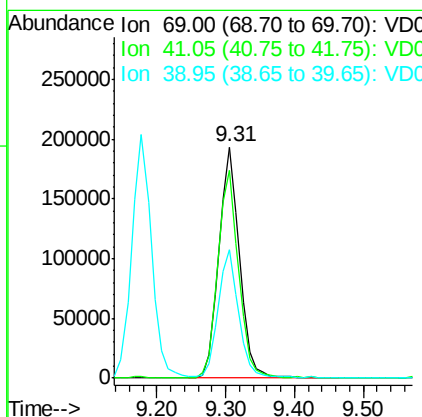
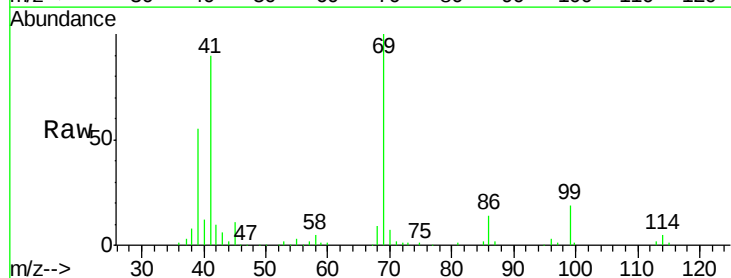
Manual Integrations
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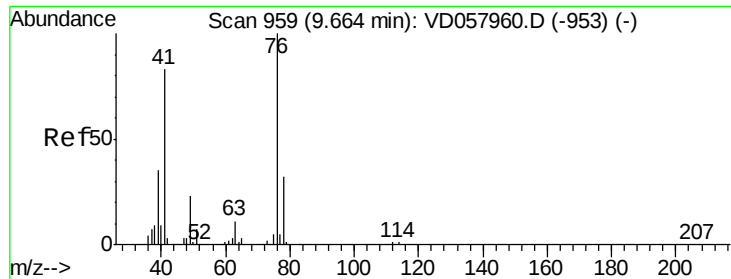
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#56
 Ethyl methacrylate
 Concen: 56.538 ug/l
 RT: 9.31 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	89.8	68.4	102.6
39	55.3	43.0	64.4





#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

Tot Ion: 76 Resp: 576875

Ion Ratio Lower Upper

76 100

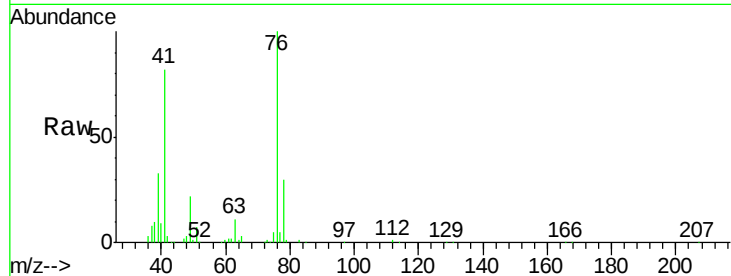
78 30.4 25.4 38.2

Manual Integrations

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.65

250000

200000

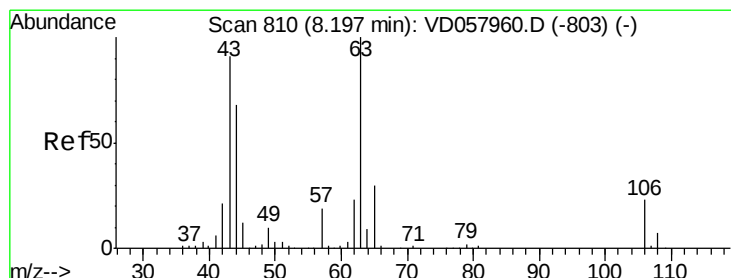
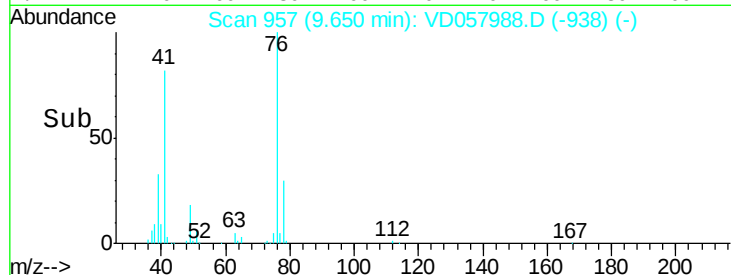
150000

100000

50000

0

Time-->



#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

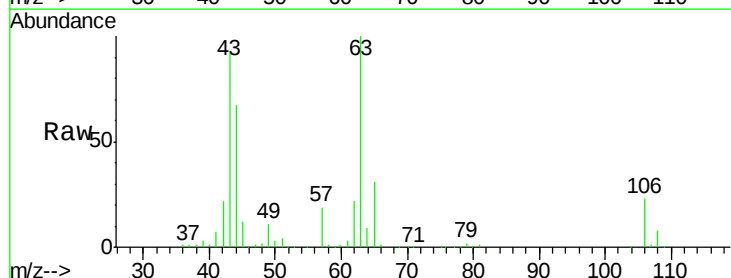
Acq: 7 Jun 2018 23:52

Tgt Ion: 63 Resp: 1048619

Ion Ratio Lower Upper

63 100

106 23.3 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.18

500000

400000

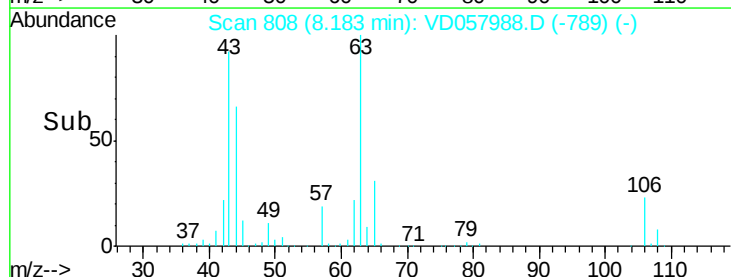
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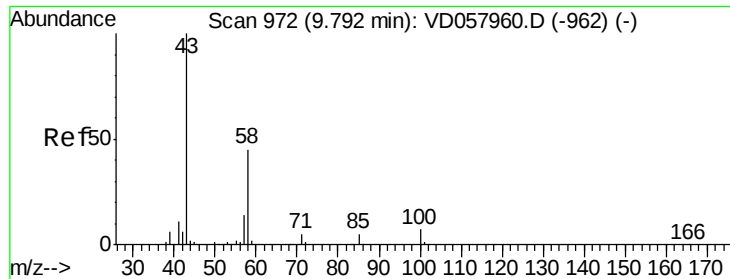
200000

100000

0

Time-->





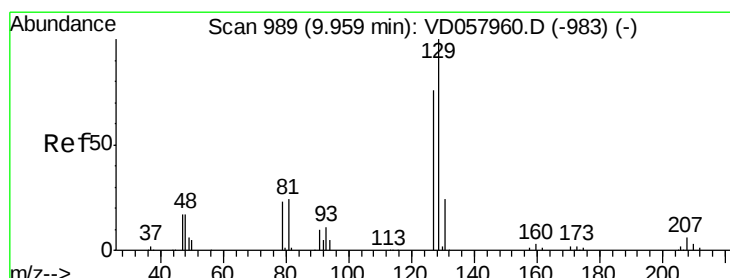
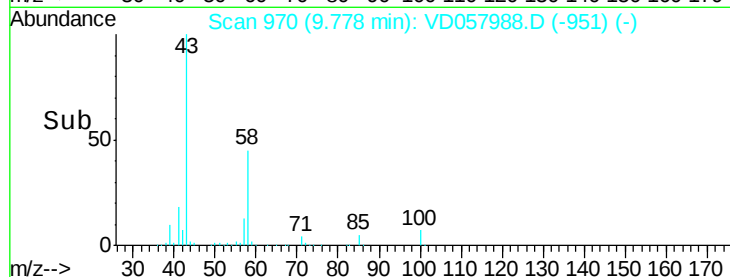
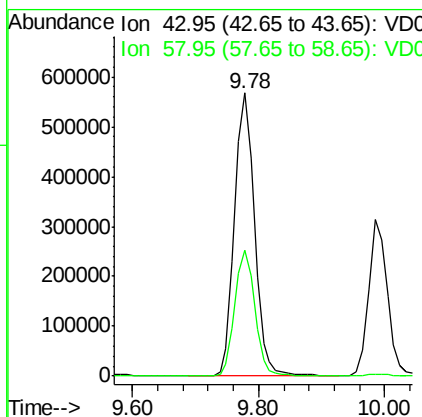
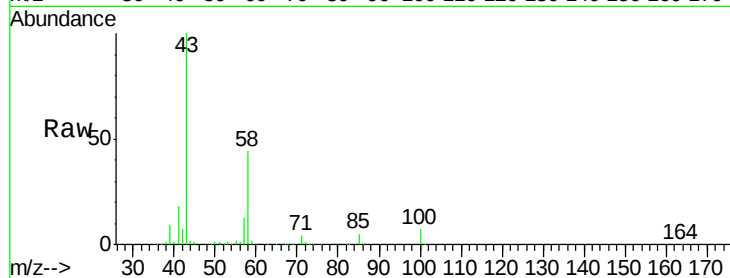
#59
2-Hexanone
Concen: 277.638 ug/l
RT: 9.78 min Scan# 970
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

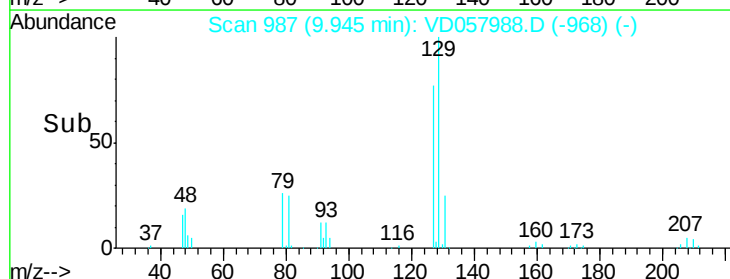
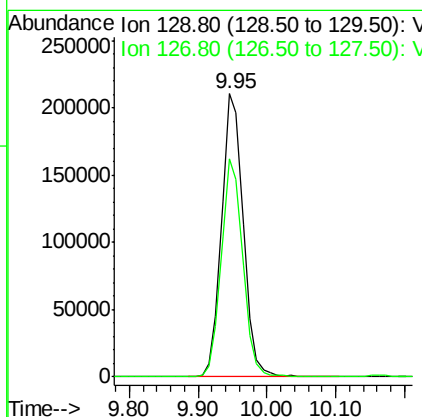
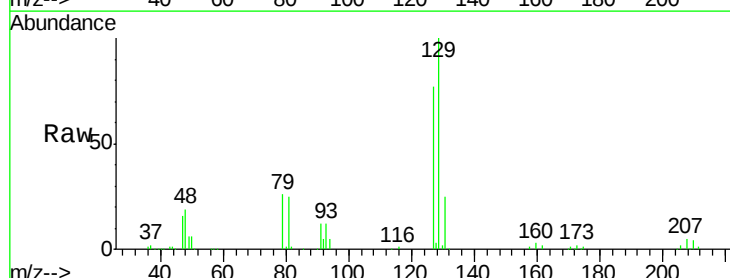
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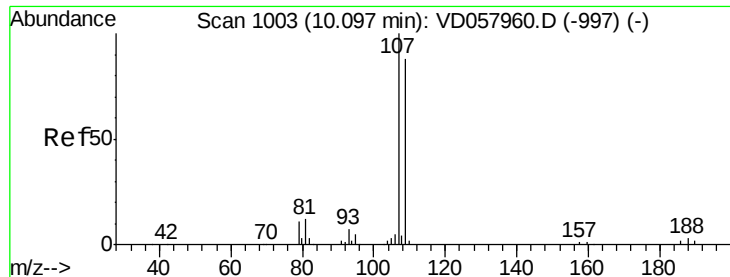
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#60
Dibromochloromethane
Concen: 56.081 ug/l
RT: 9.95 min Scan# 987
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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

Tot Ion: 107 Resp: 370827

Ion Ratio Lower Upper

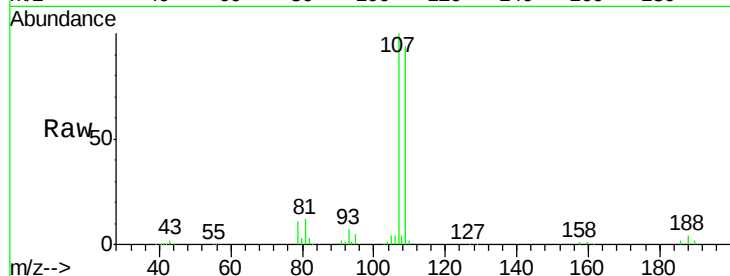
107 100

109 94.0 70.6 106.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

200000

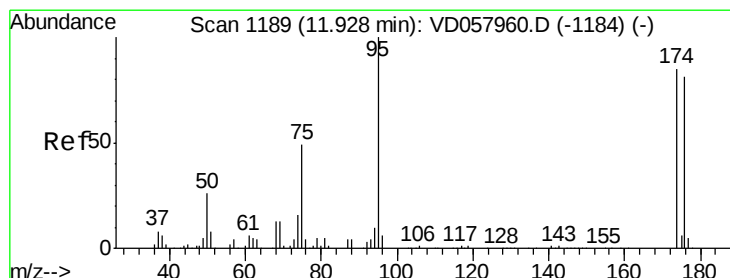
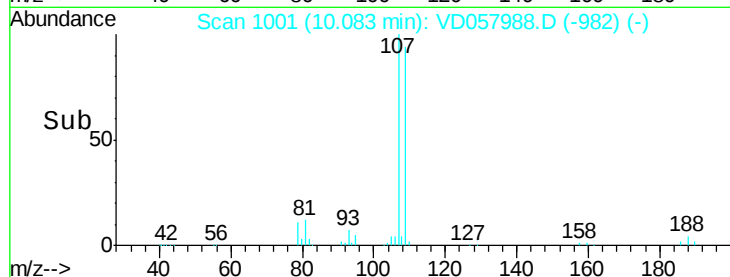
150000

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

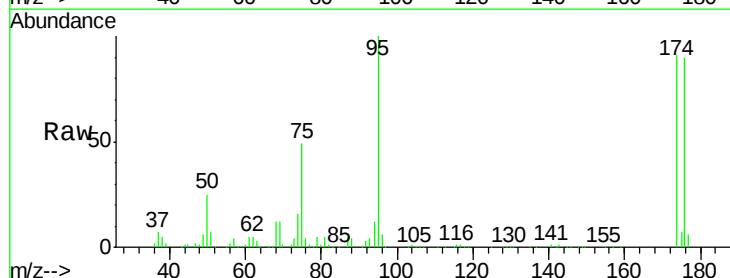
Tgt Ion: 95 Resp: 501388

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

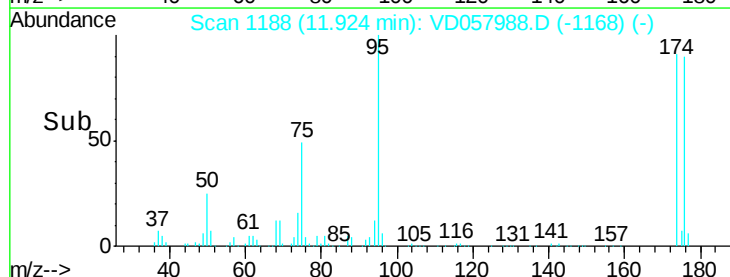
300000

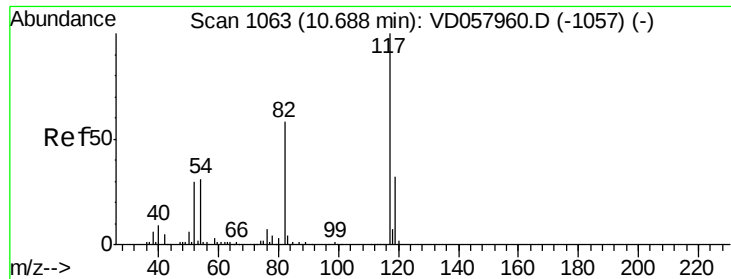
200000

100000

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Time-->





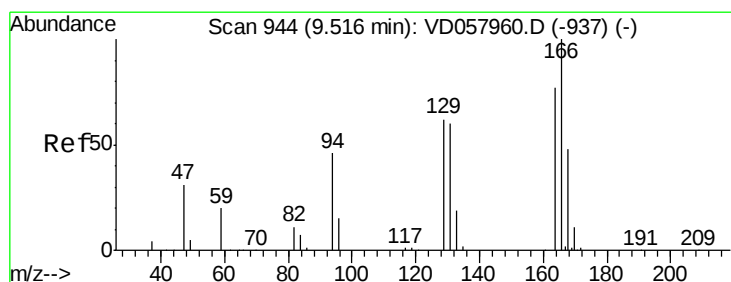
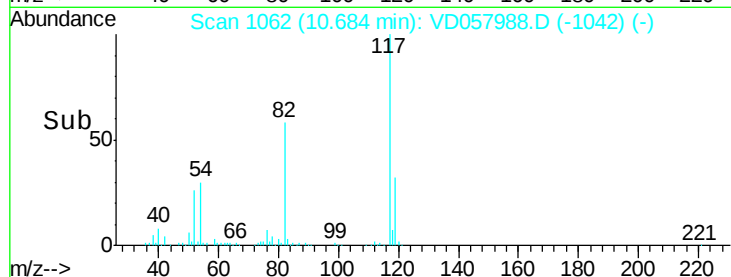
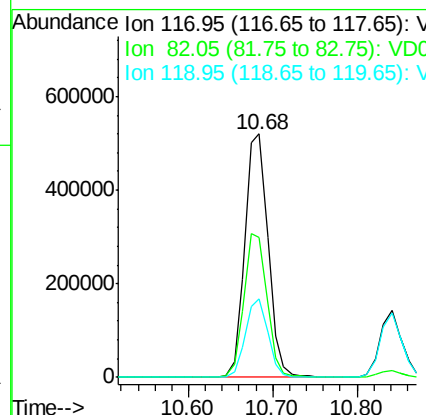
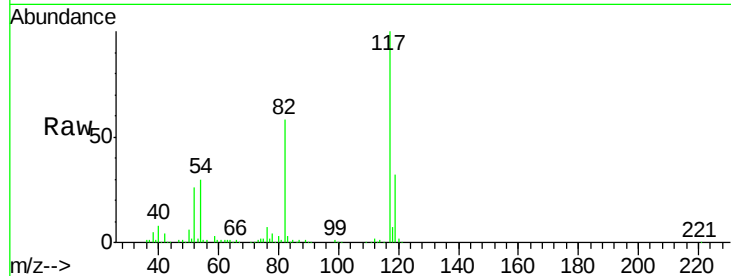
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

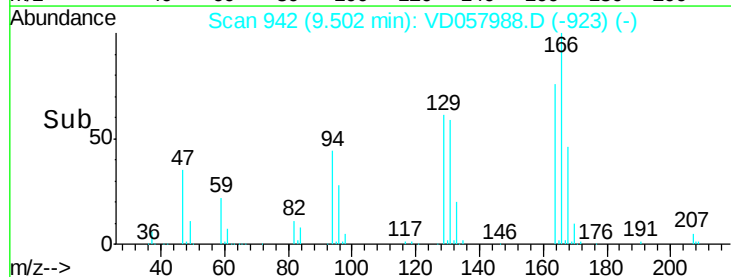
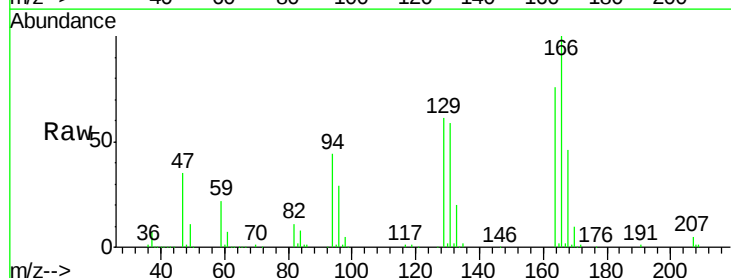
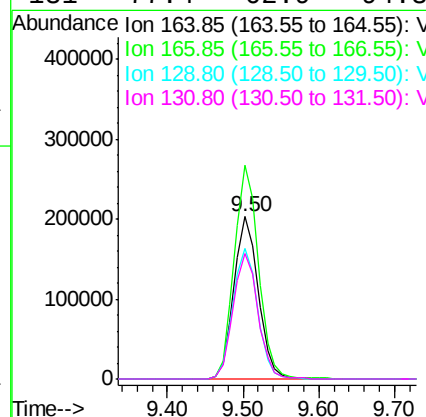
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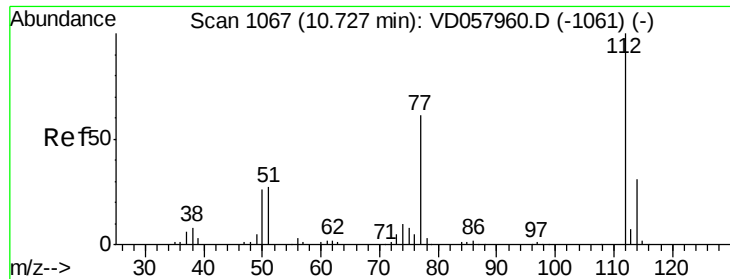
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#64
Tetrachloroethene
Concen: 50.327 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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





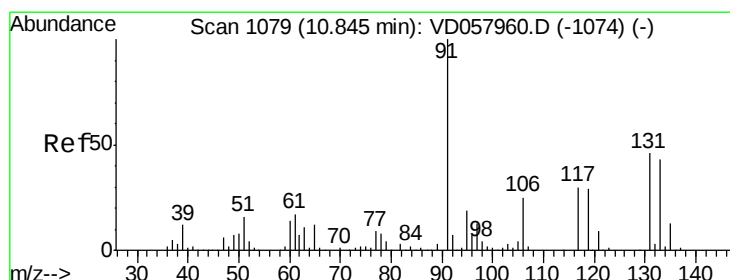
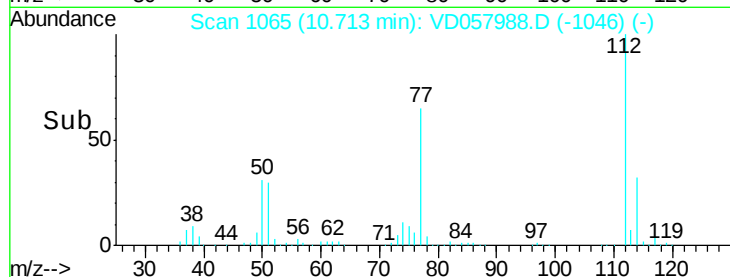
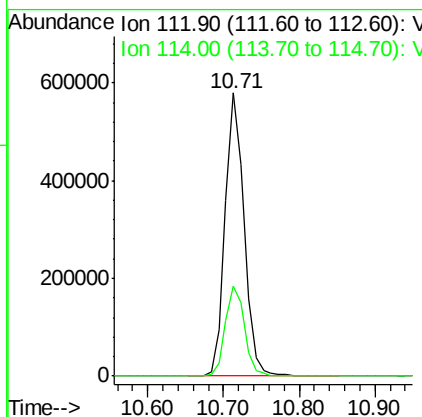
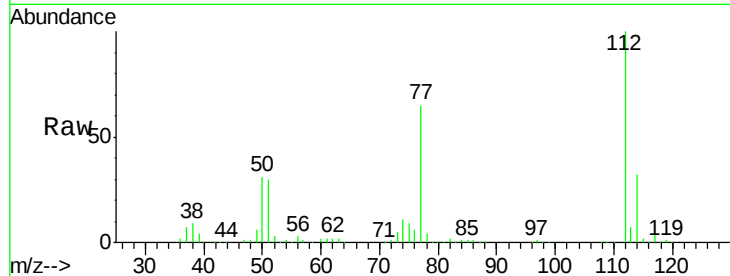
#65
Chlorobenzene
Concen: 49.753 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1009246
Ion Ratio Lower Upper
112 100
114 32.0 24.9 37.3

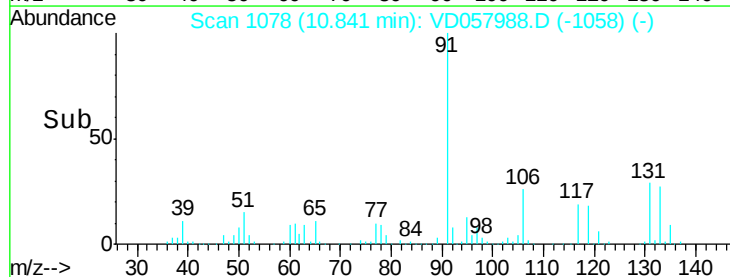
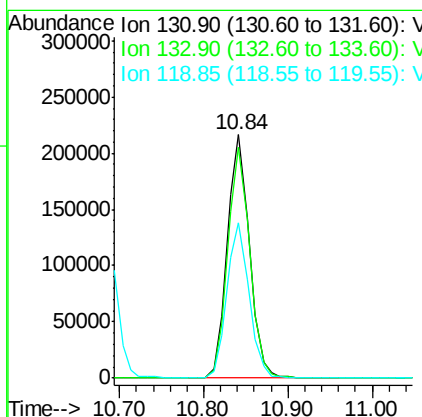
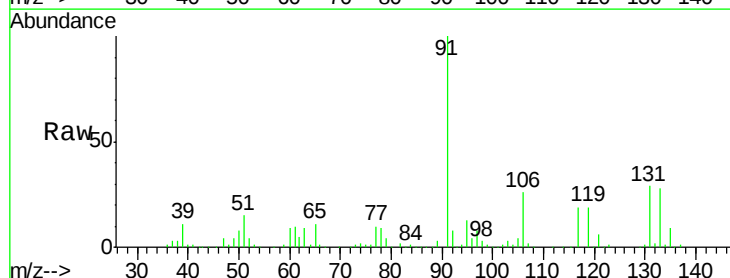
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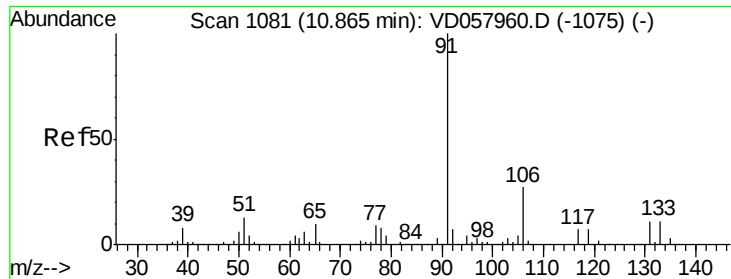
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.360 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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





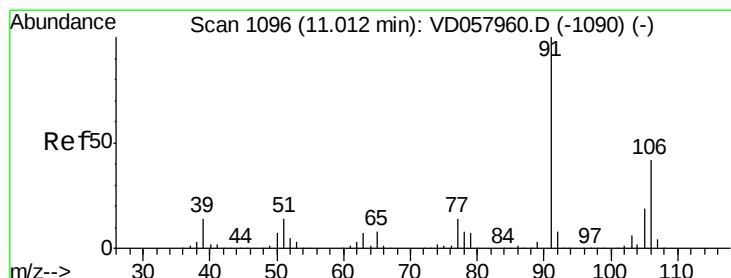
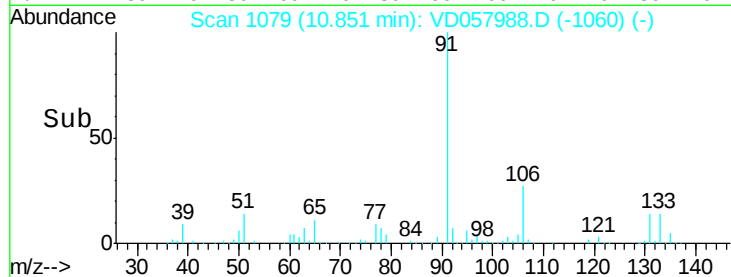
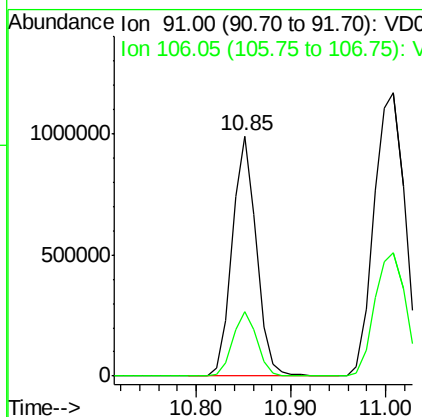
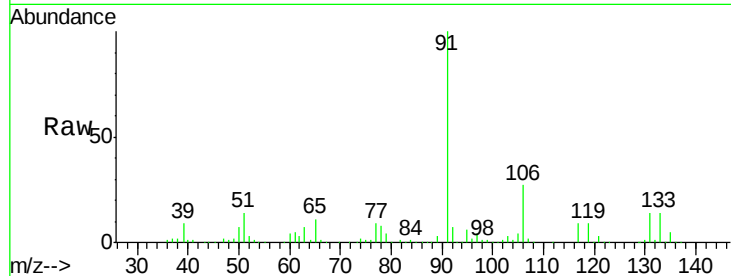
#67
Ethyl Benzene
Concen: 47.748 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

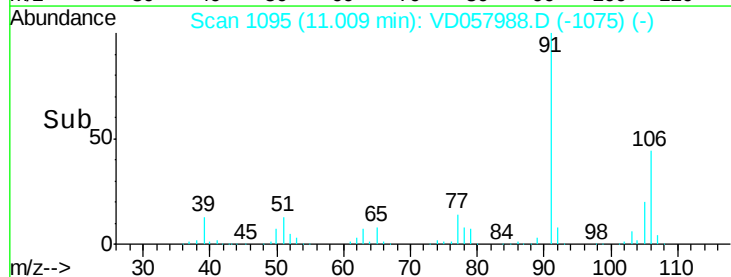
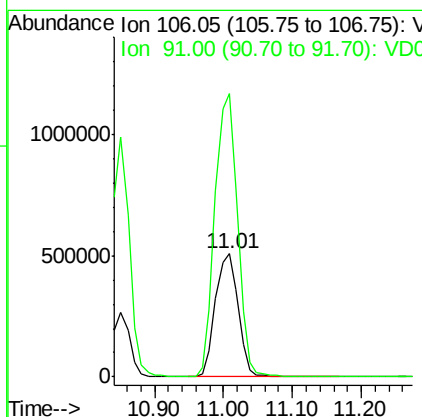
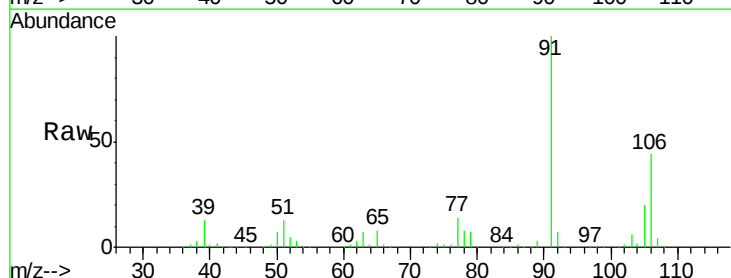
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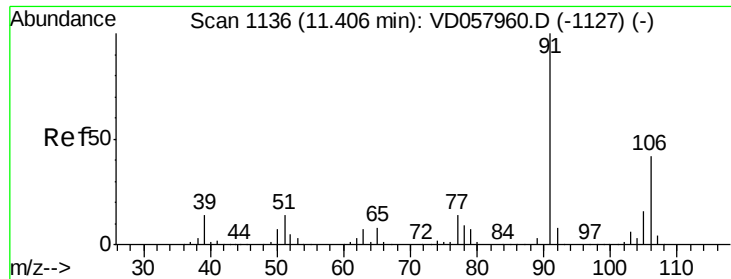
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#68
m/p-Xylenes
Concen: 97.599 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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





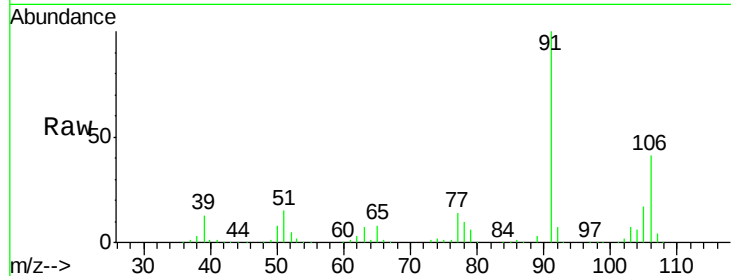
#69
o-Xylene
Concen: 50.042 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

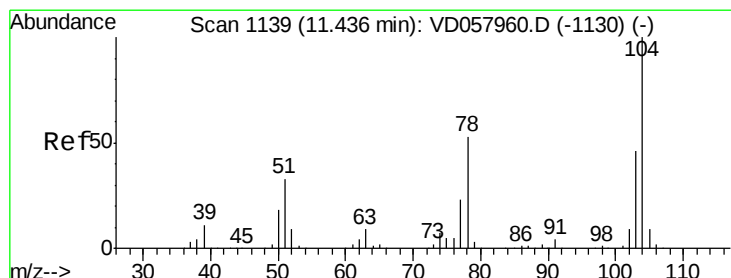
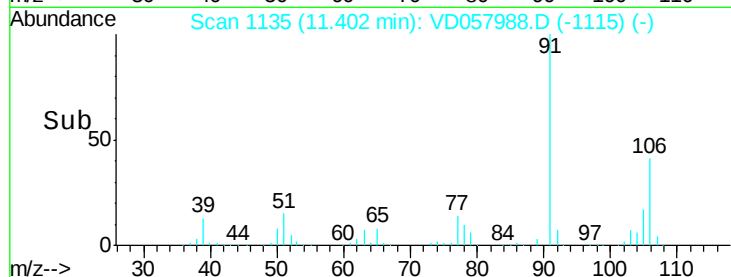
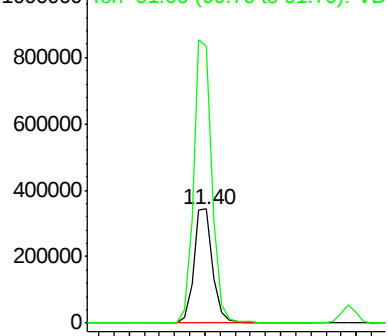
Tot Ion:106 Resp: 593436
Ion Ratio Lower Upper
106 100
91 243.3 120.6 361.7

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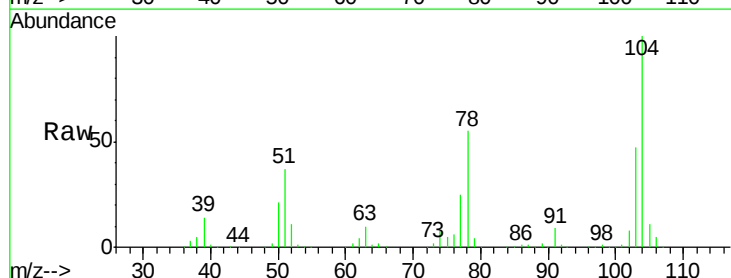


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

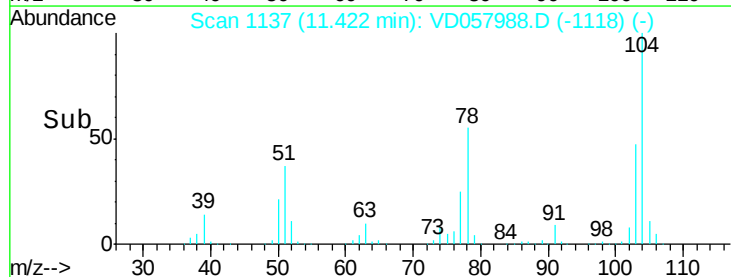
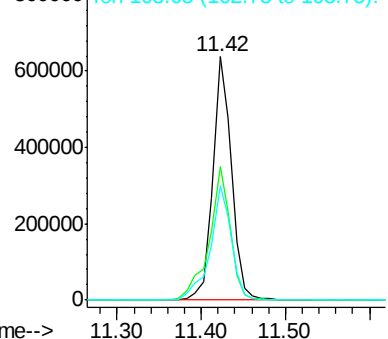


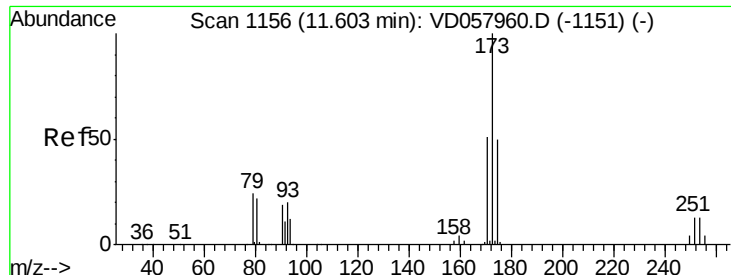
#70
Styrene
Concen: 49.860 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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





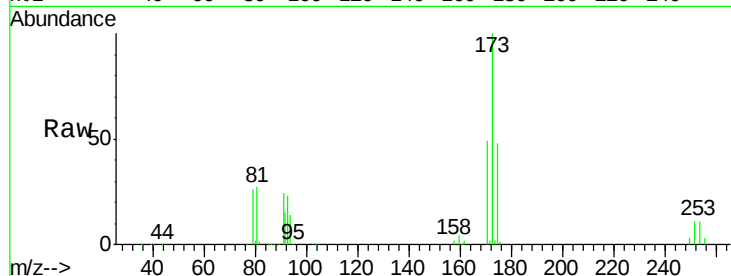
#71
Bromoform
Concen: 56.869 ug/l
RT: 11.59 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

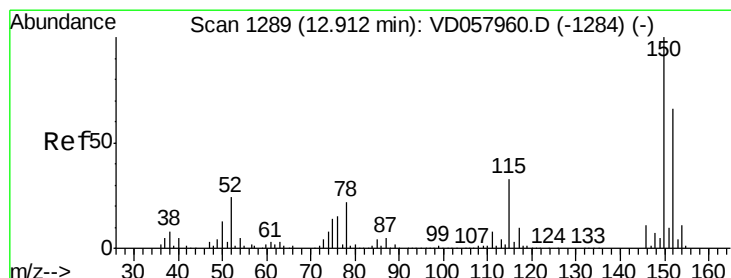
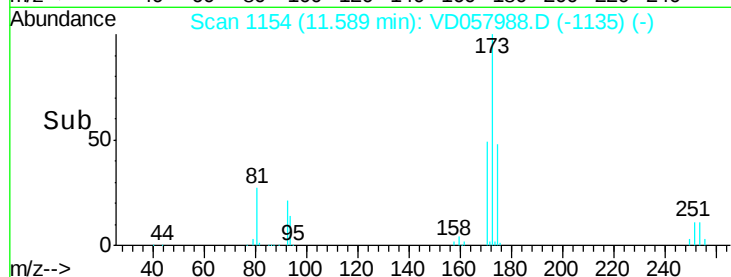
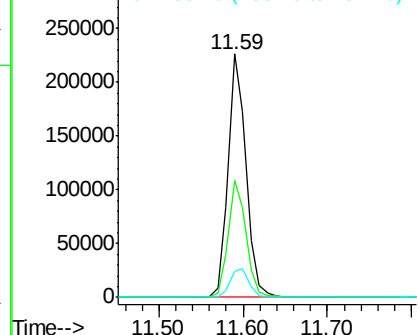
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	25.1	75.2
254	10.9	10.7	16.1

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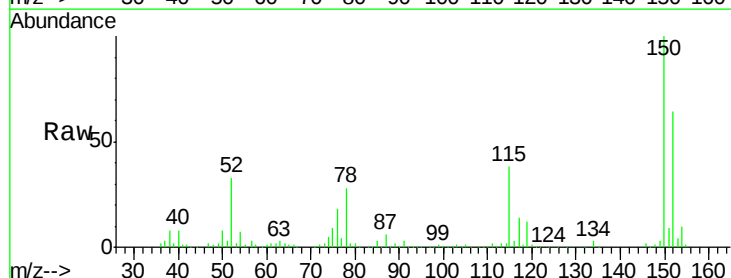


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

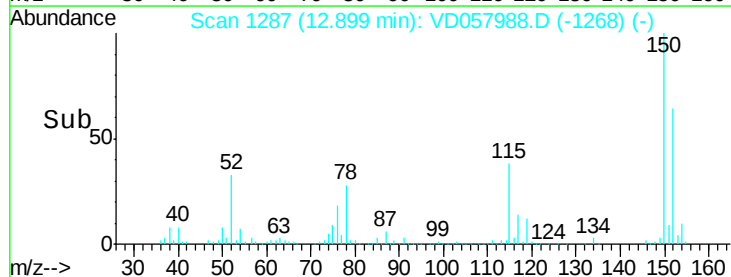
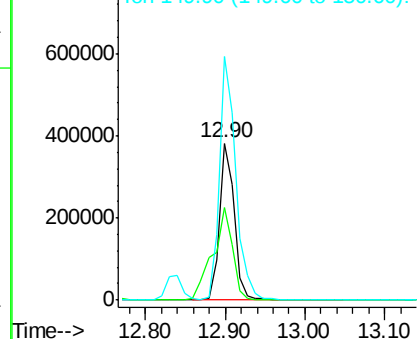


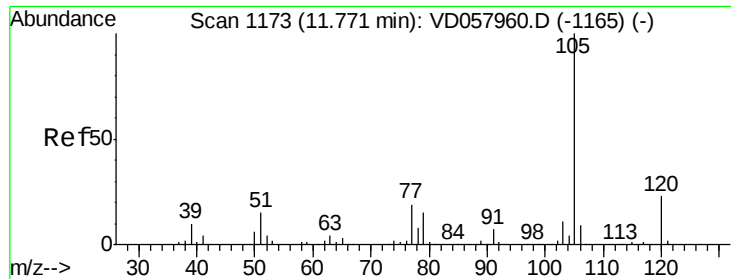
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Tgt Ion	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





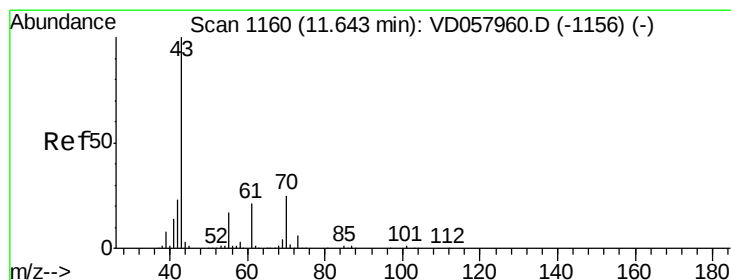
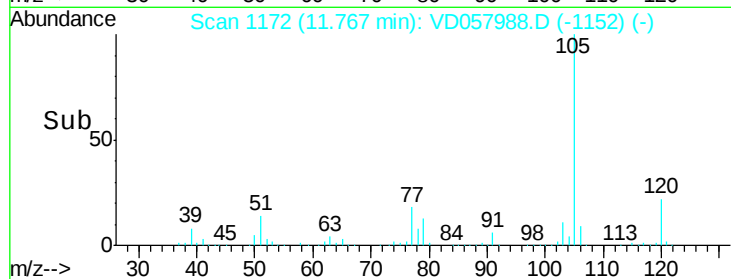
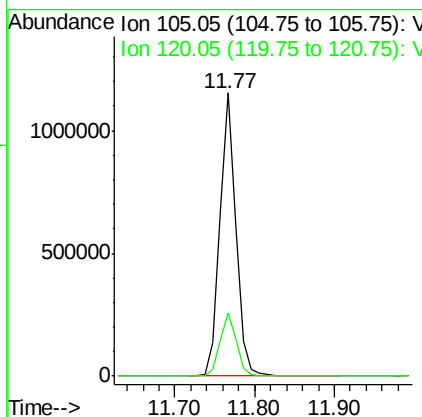
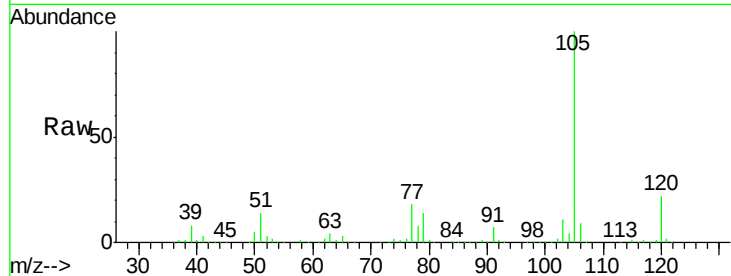
#73
Isopropylbenzene
Concen: 50.002 ug/l
RT: 11.77 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1650158
Ion Ratio Lower Upper
105 100
120 22.5 11.3 33.9

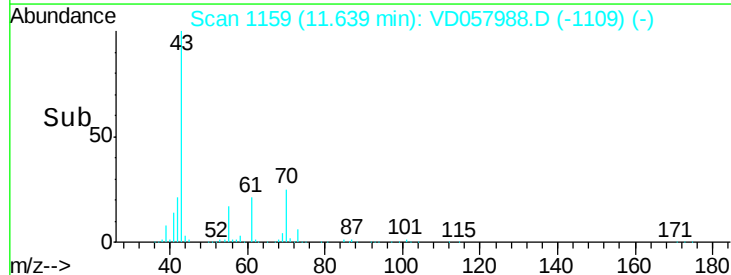
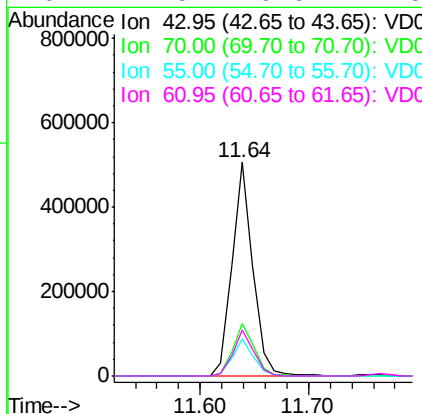
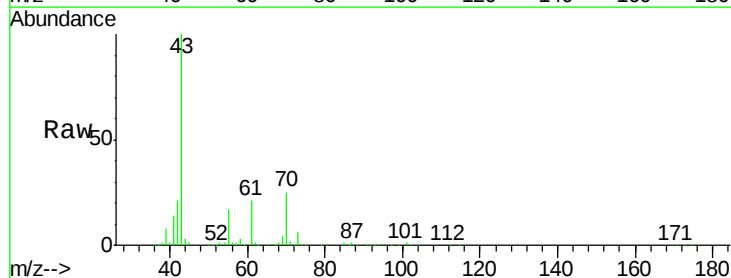
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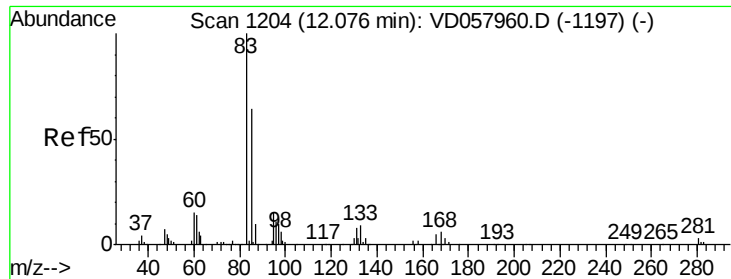
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#74
N-ethyl acetate
Concen: 53.226 ug/l
RT: 11.64 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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





#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

Tot Ion: 83 Resp: 374584

Ion Ratio Lower Upper

83 100

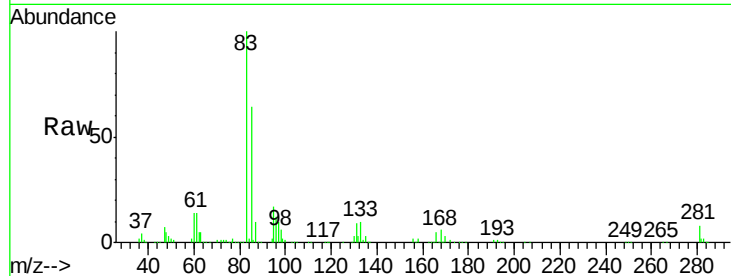
131 9.1 4.2 12.6

85 64.3 31.9 95.5

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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

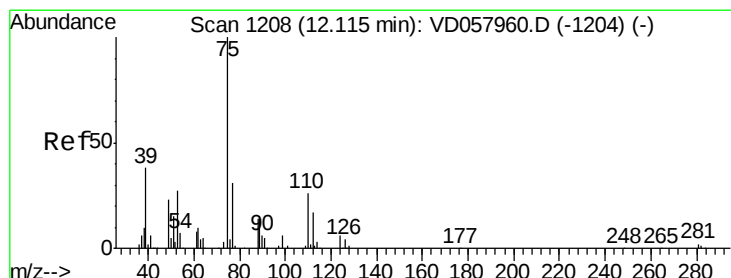
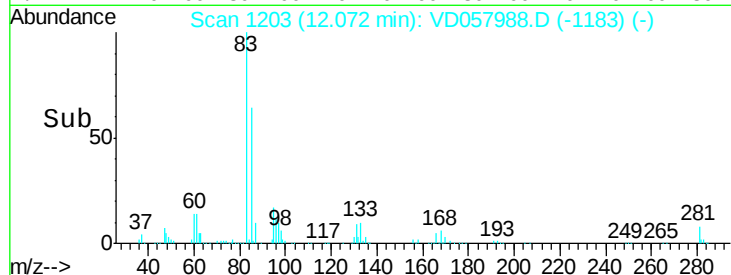
12.07

200000

100000

0

Time-->



#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

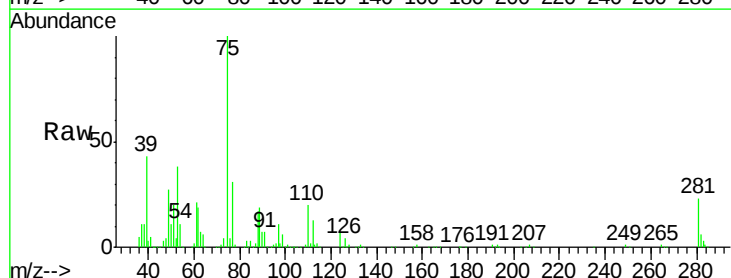
Acq: 7 Jun 2018 23:52

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

500000

400000

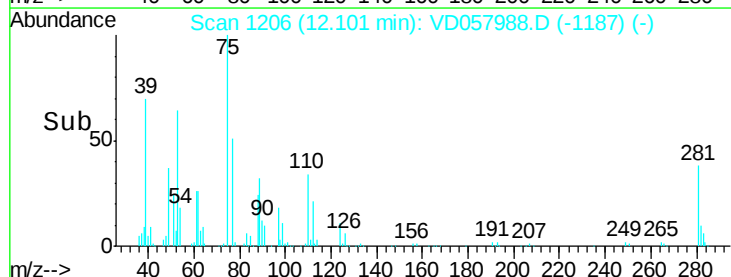
300000

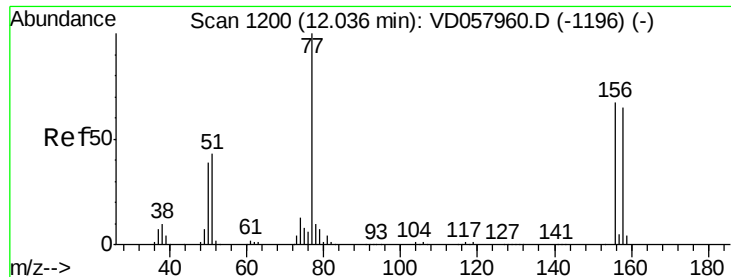
200000

100000

0

Time-->





#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

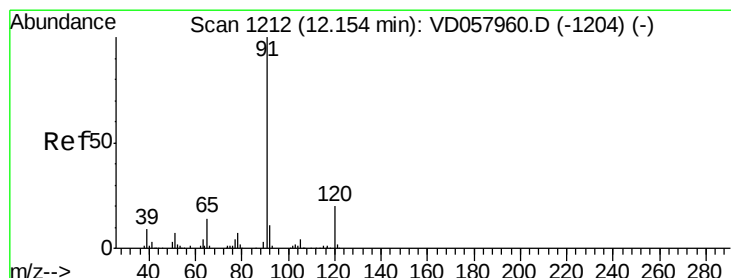
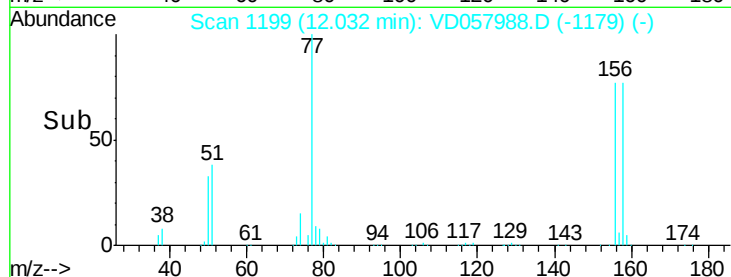
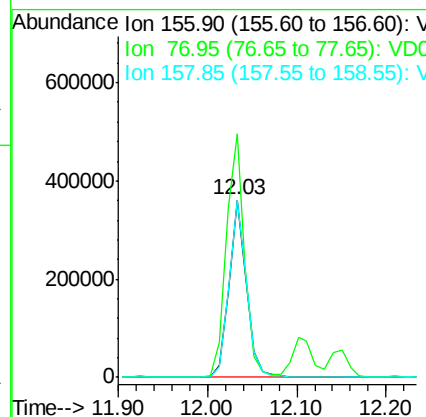
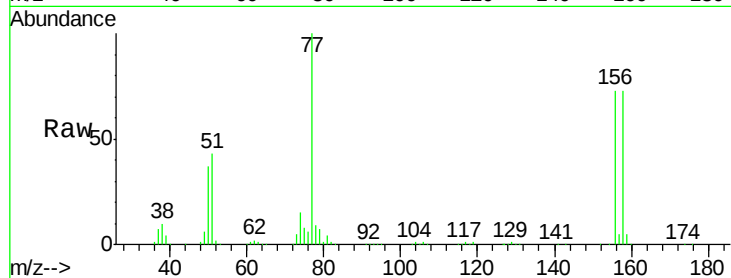
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	502661
Ion Ratio	Lower	Upper	
156	100		
77	137.4	75.0	224.8
158	99.9	48.6	145.9

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#78

n-propylbenzene

Concen: 46.782 ug/l

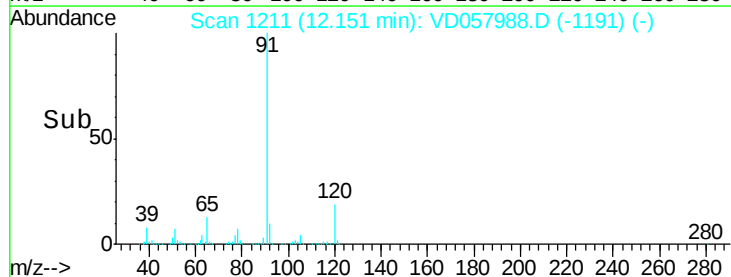
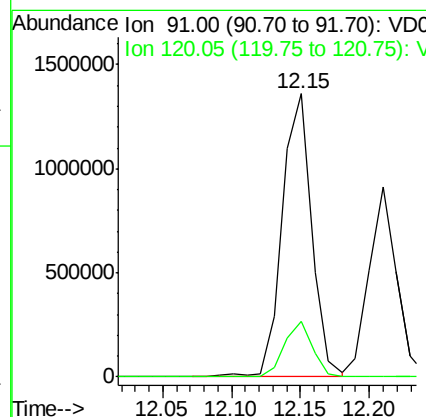
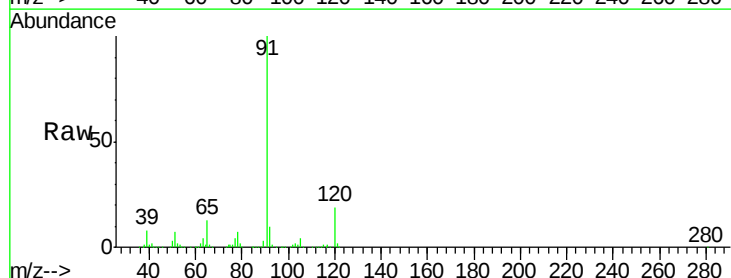
RT: 12.15 min Scan# 1211

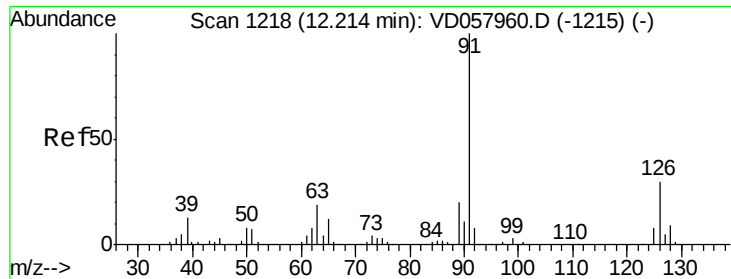
Delta R.T. -0.00 min

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





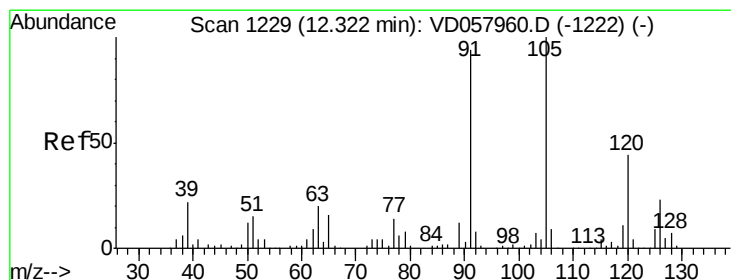
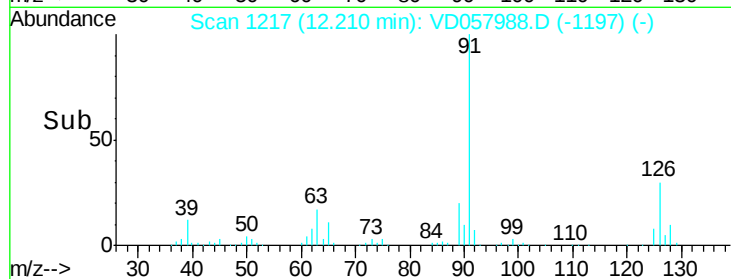
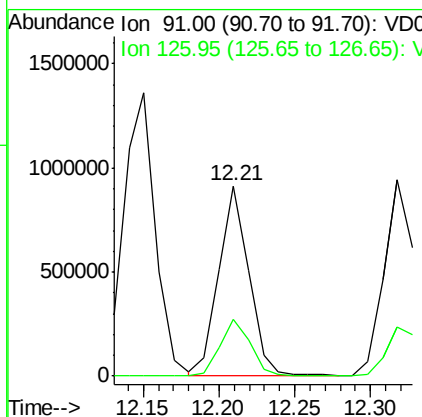
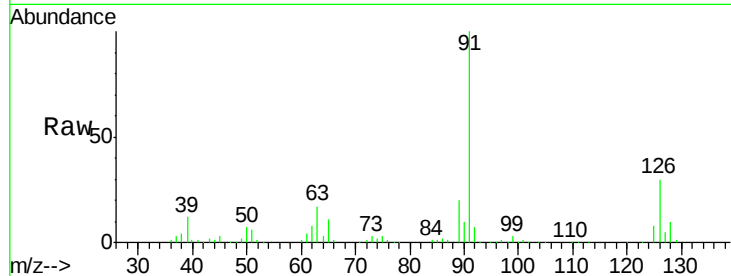
#79
 2-Chlorotoluene
 Concen: 51.954 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

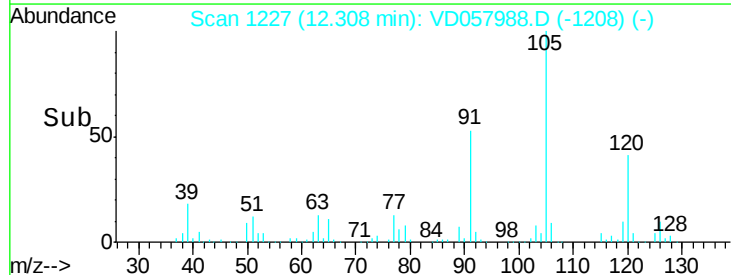
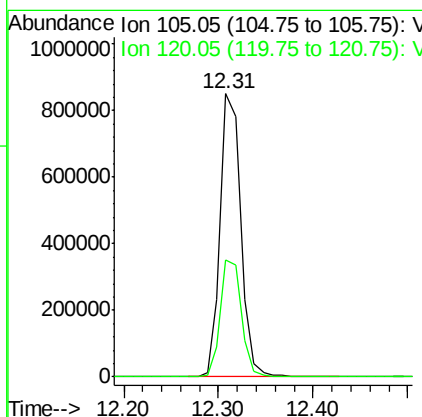
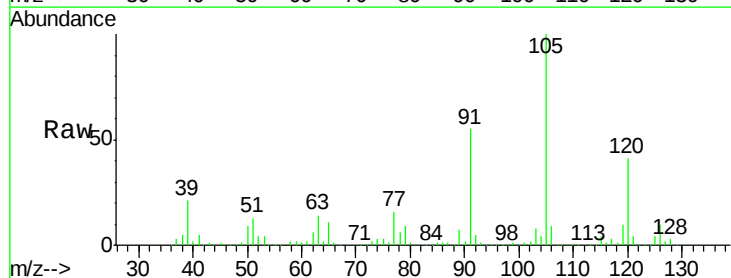
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.913 ug/l
 RT: 12.31 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

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





#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

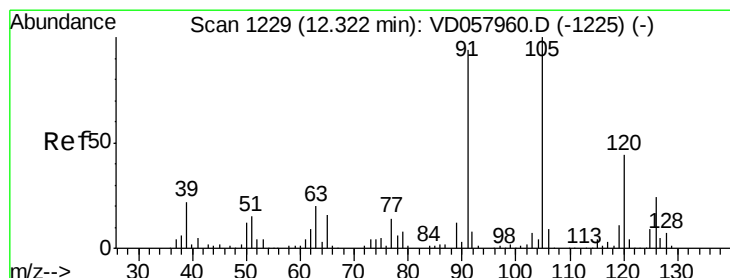
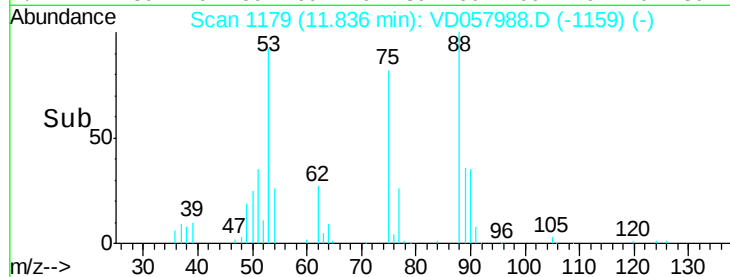
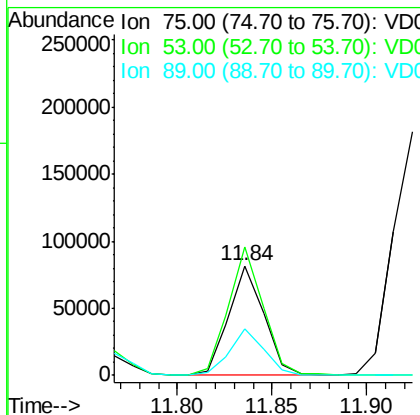
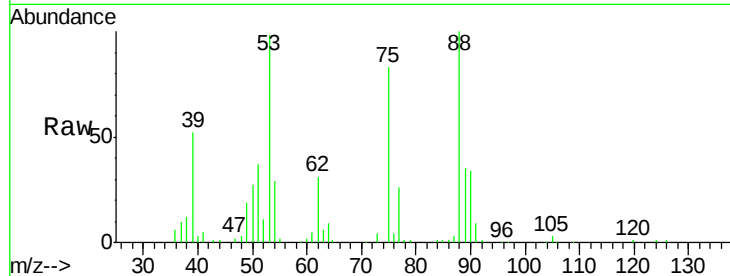
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	105883
Ion Ratio	Lower	Upper	
75	100		
53	117.9	89.3	133.9
89	42.8	33.3	49.9

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#82

4-Chlorotoluene

Concen: 56.822 ug/l

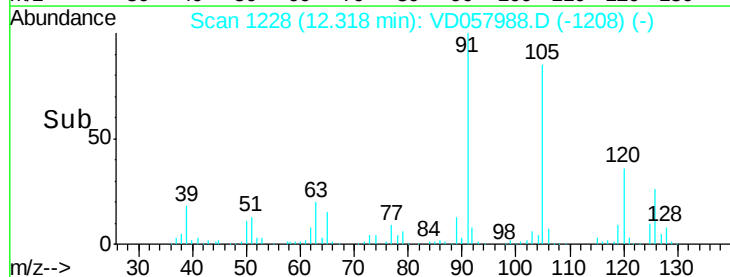
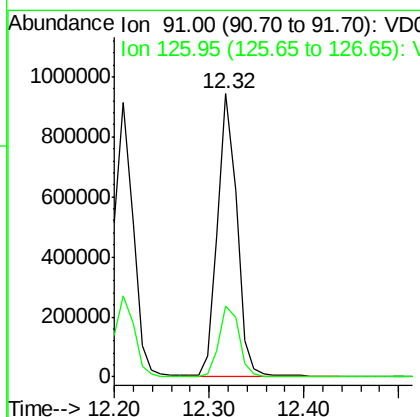
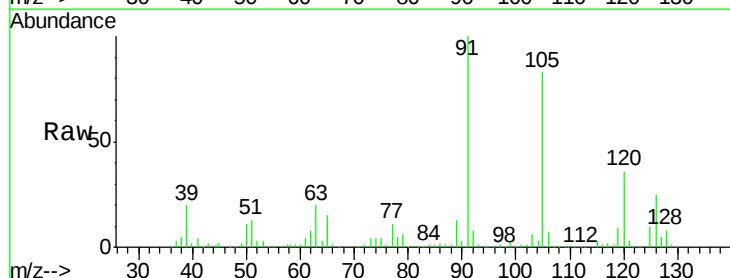
RT: 12.32 min Scan# 1228

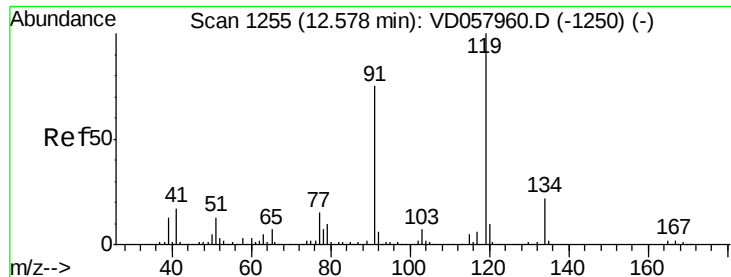
Delta R.T. -0.00 min

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





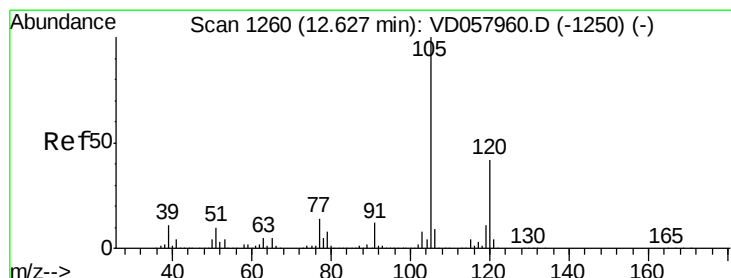
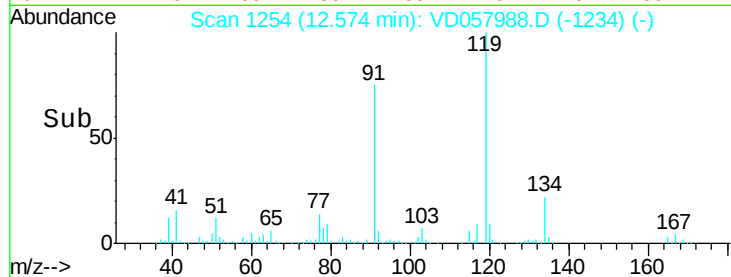
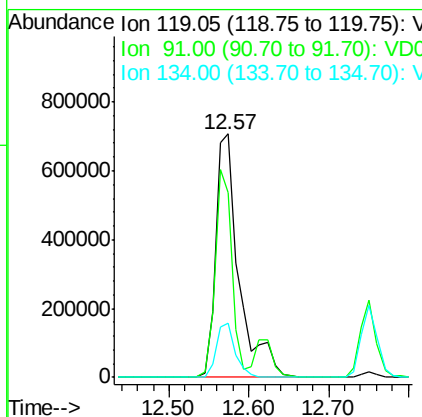
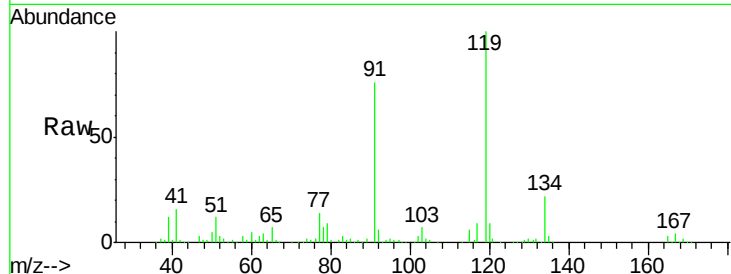
#83
tert-Butylbenzene
Concen: 49.857 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

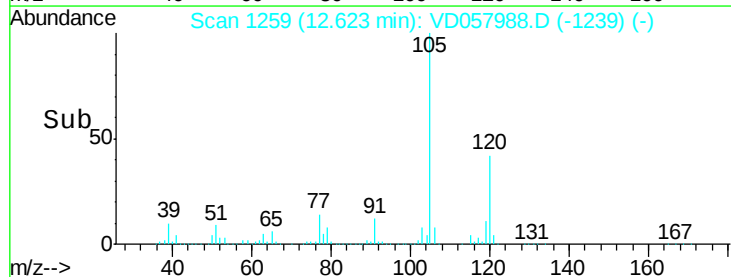
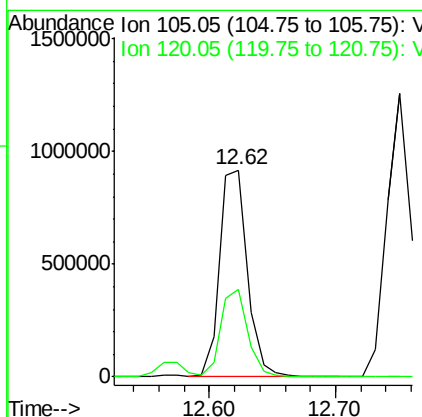
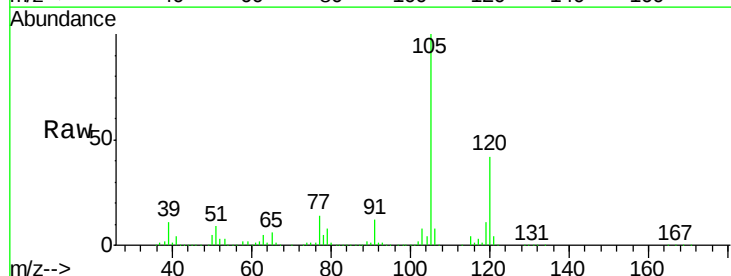
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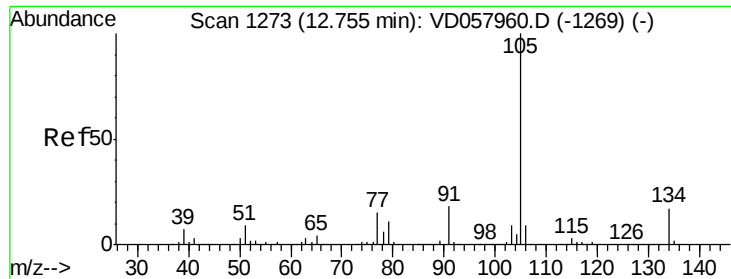
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#84
1,2,4-Trimethylbenzene
Concen: 50.194 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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





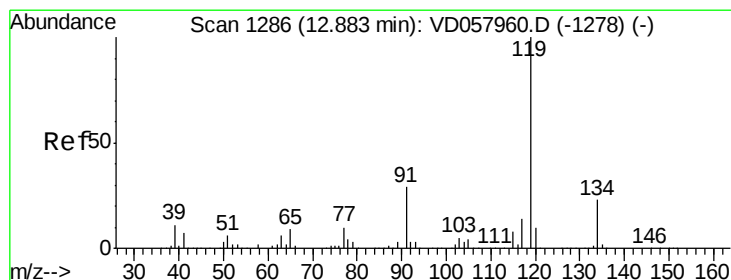
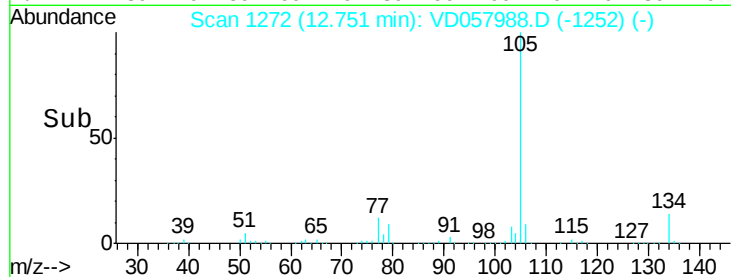
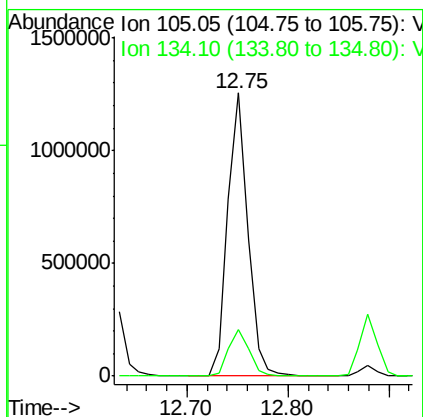
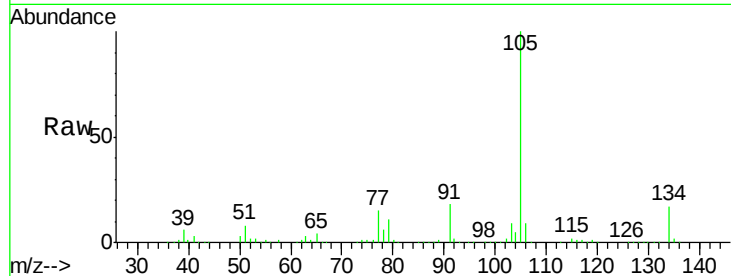
#85
 sec-Butylbenzene
 Concen: 49.597 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

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

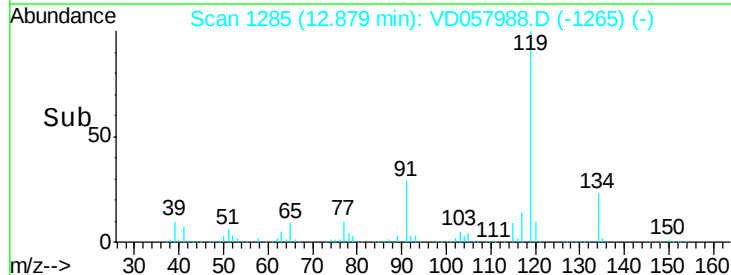
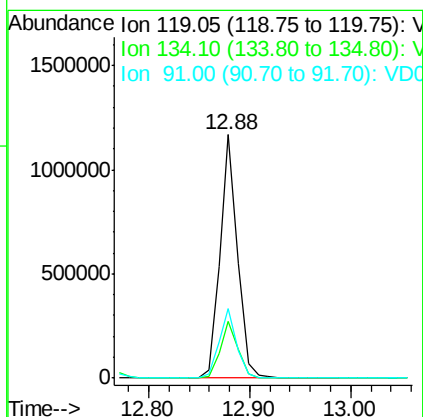
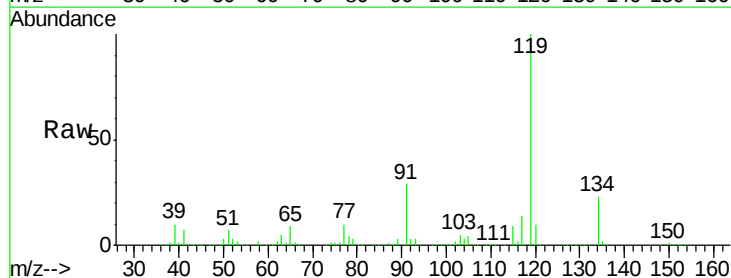
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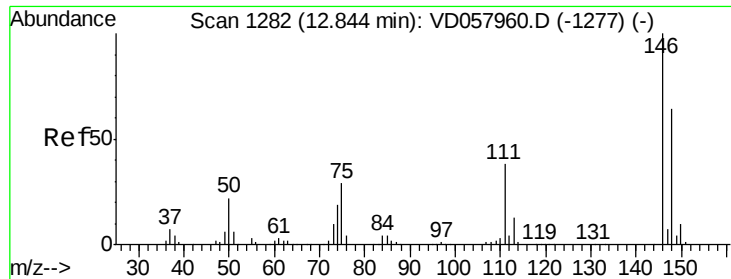
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#86
 p-Isopropyltoluene
 Concen: 50.147 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

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

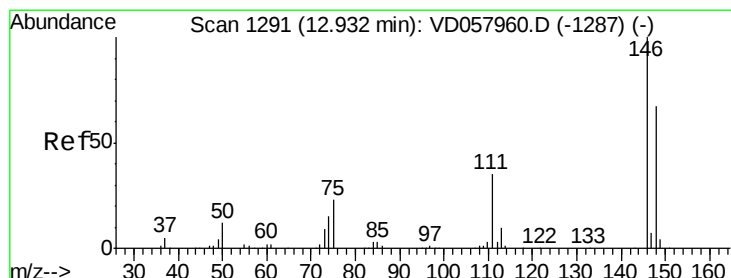
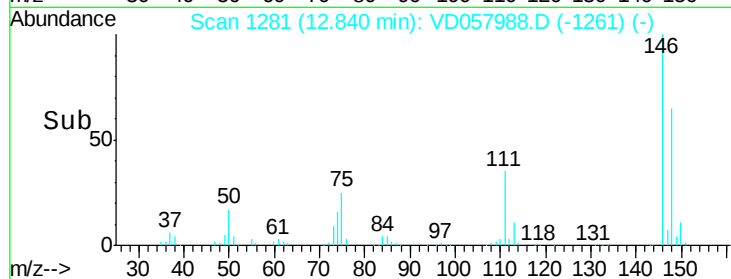
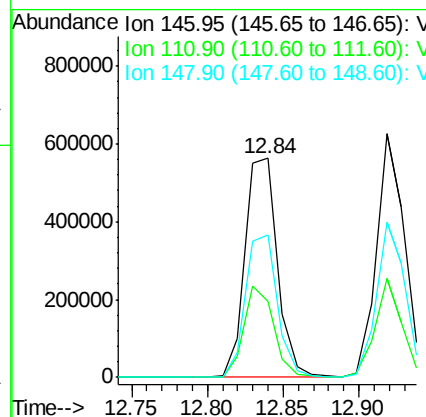
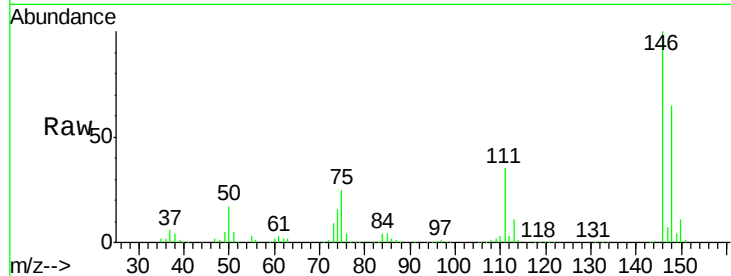
ClientSampleId :

VSTDCCC050

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

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#88

1,4-Dichlorobenzene

Concen: 51.006 ug/l

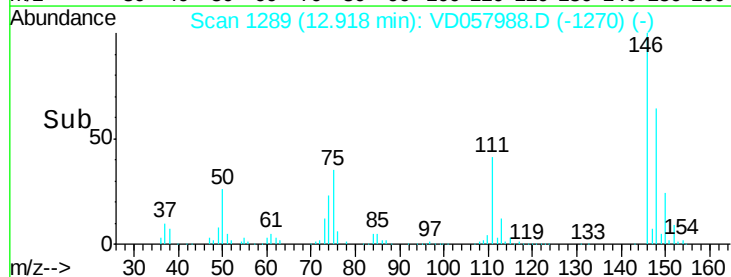
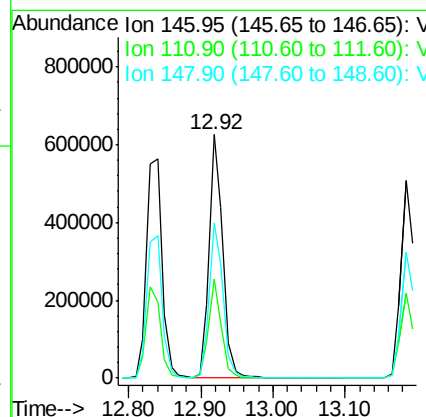
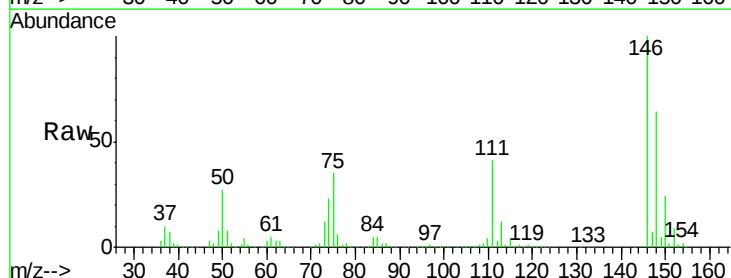
RT: 12.92 min Scan# 1289

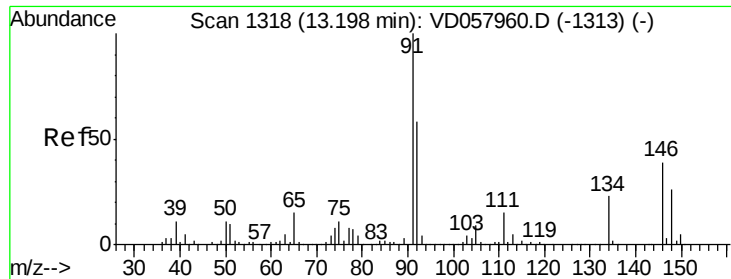
Delta R.T. -0.01 min

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





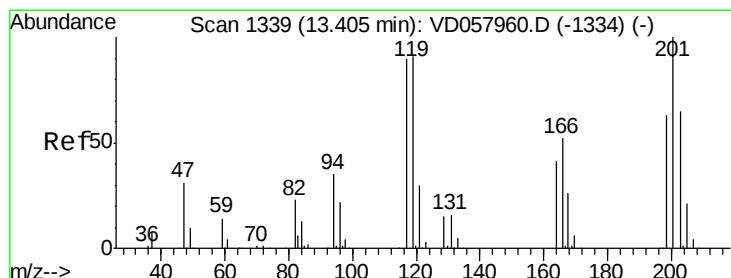
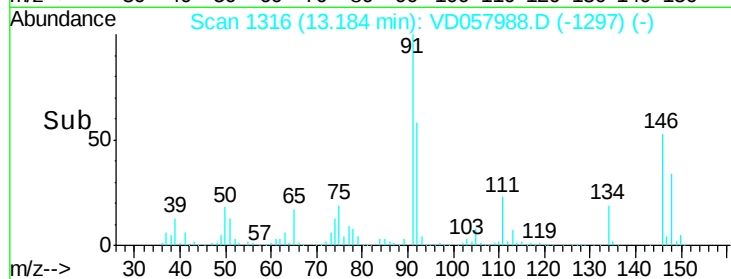
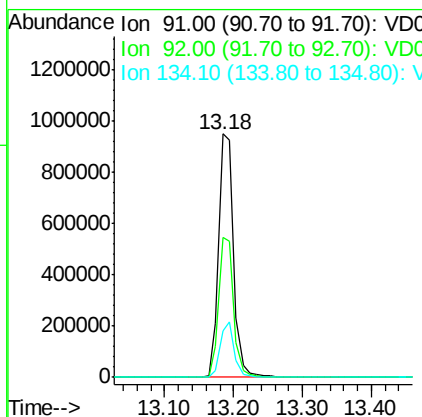
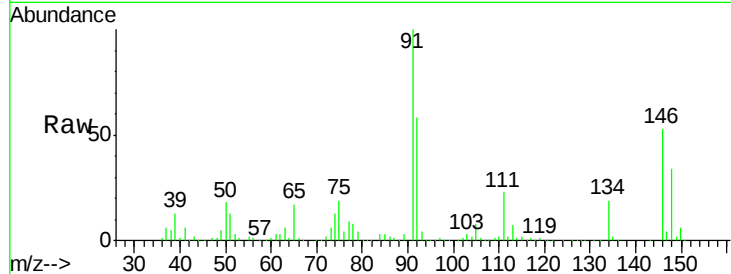
#89
n-Butylbenzene
Concen: 56.796 ug/l
RT: 13.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

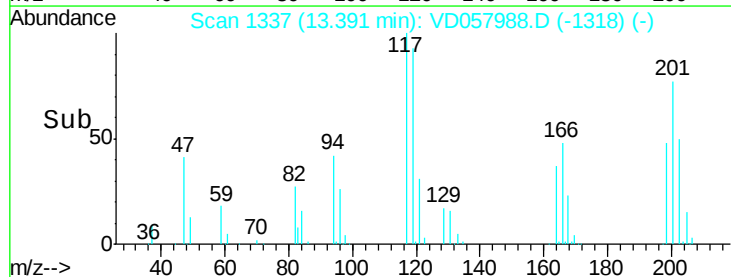
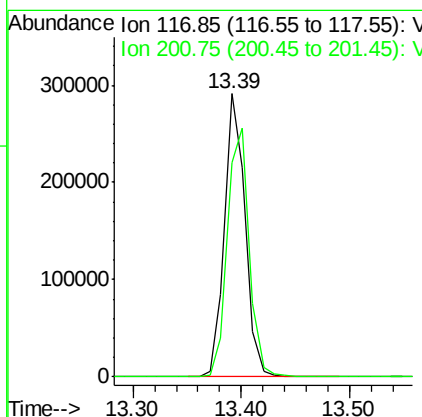
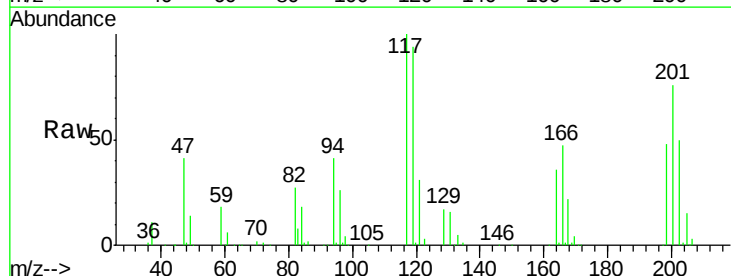
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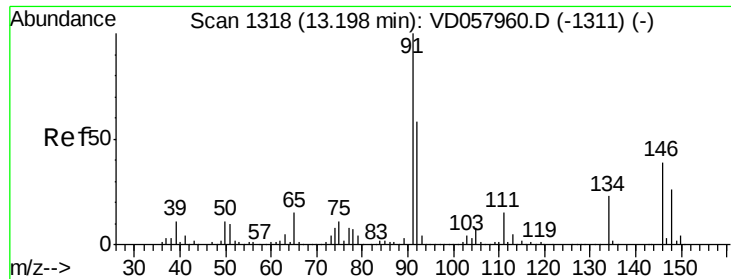
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#90
Hexachloroethane
Concen: 53.574 ug/l
RT: 13.39 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

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





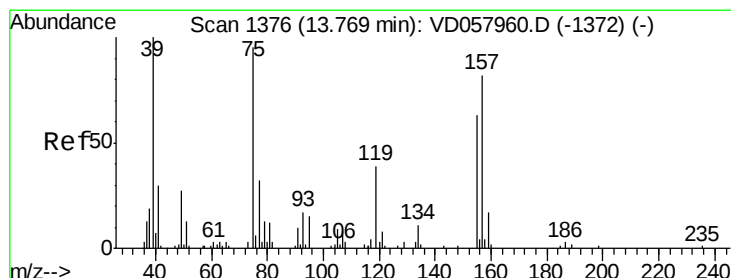
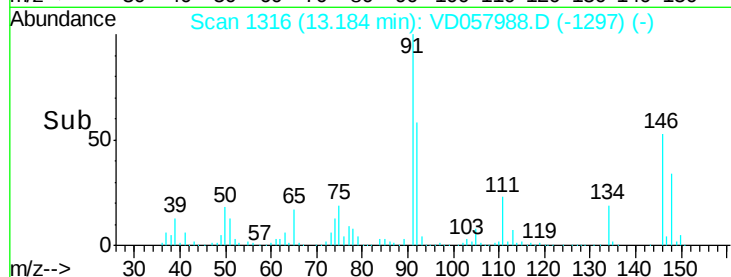
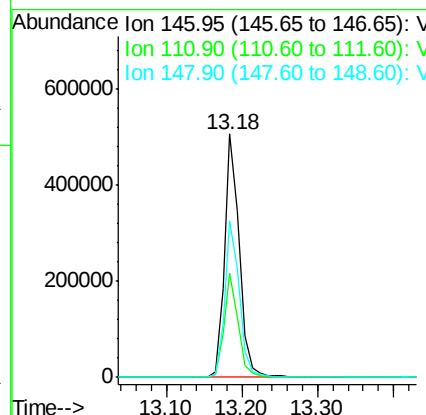
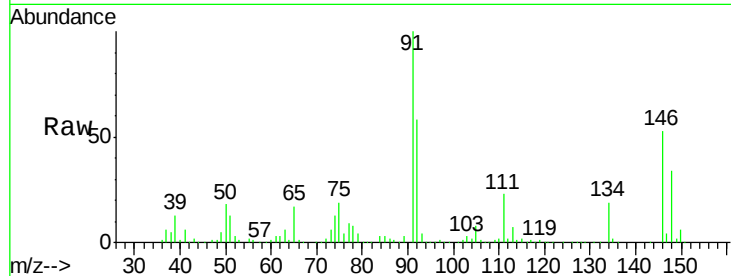
#91
 1,2-Dichlorobenzene
 Concen: 51.957 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.4	58.2
148	64.1	32.6	98.0

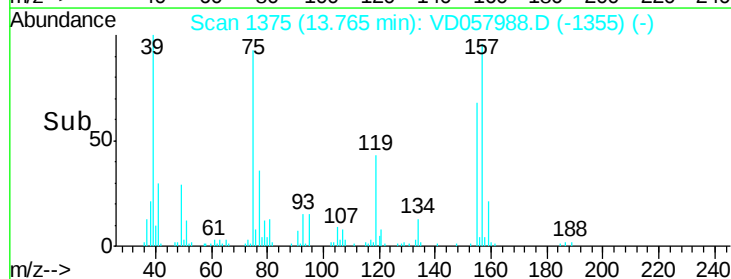
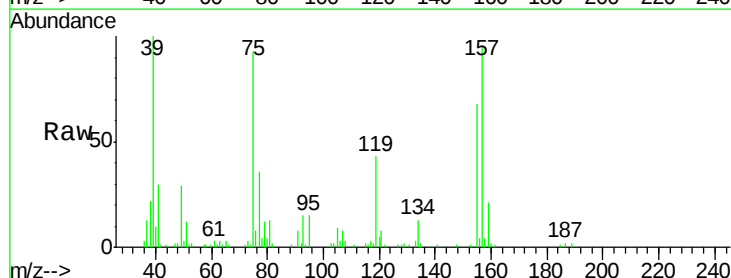
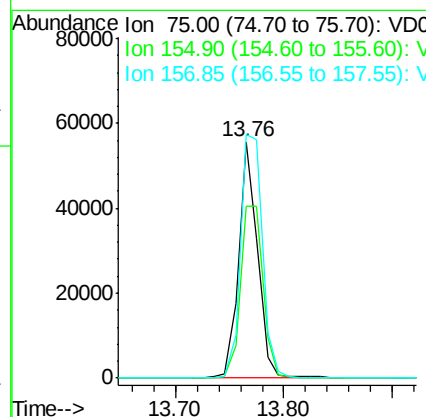
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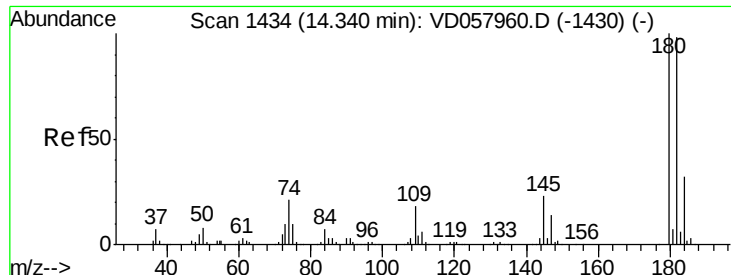
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.062 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

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





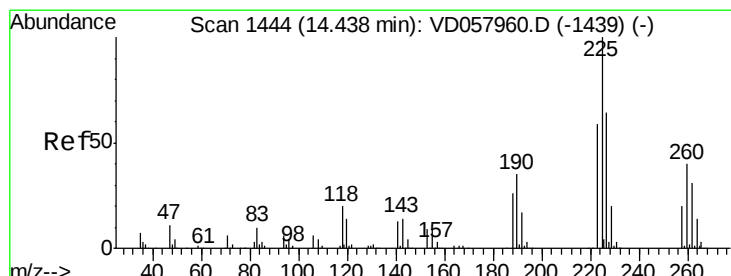
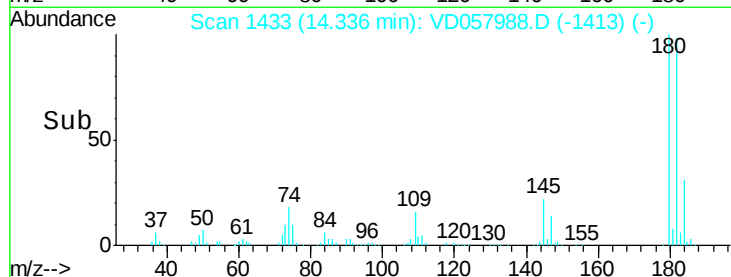
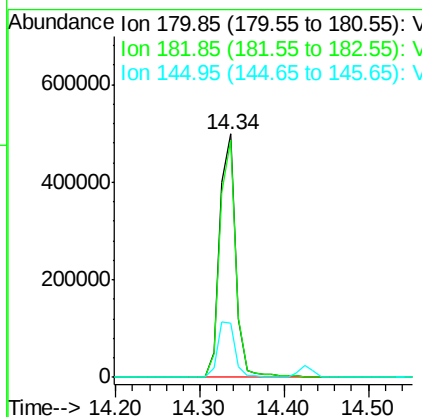
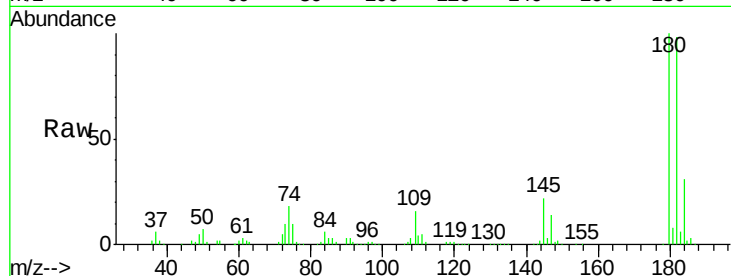
#93
 1,2,4-Trichlorobenzene
 Concen: 53.077 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

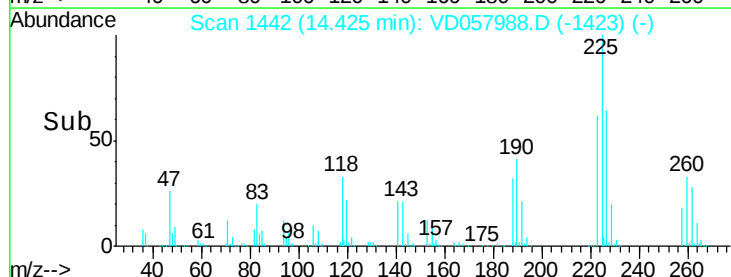
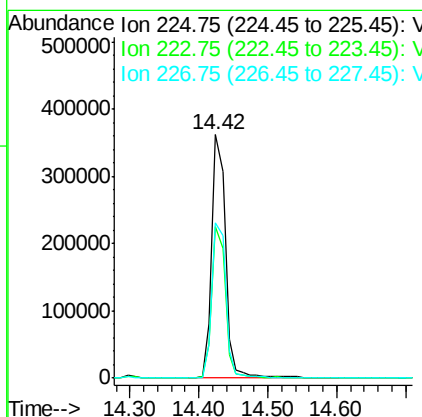
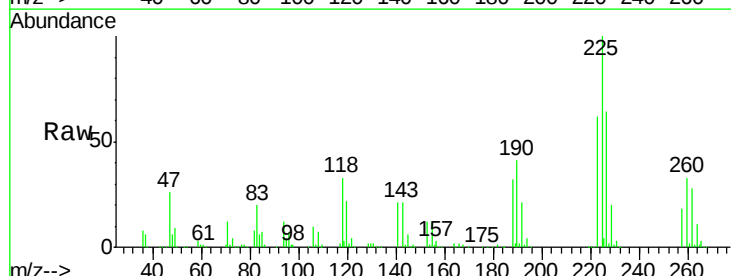
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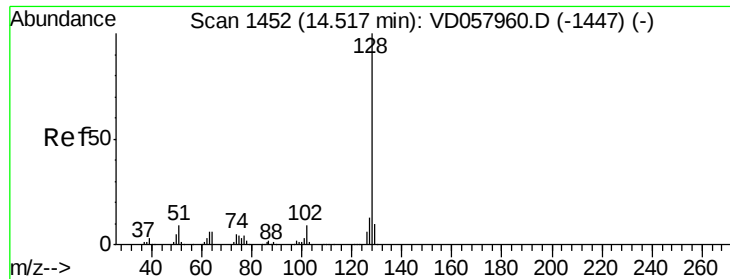
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#94
 Hexachlorobutadiene
 Concen: 51.727 ug/l
 RT: 14.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD057988.D
 Acq: 7 Jun 2018 23:52

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





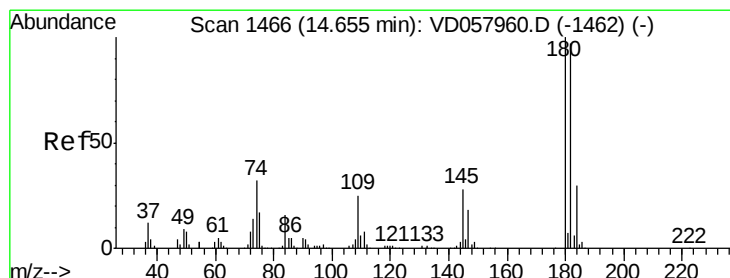
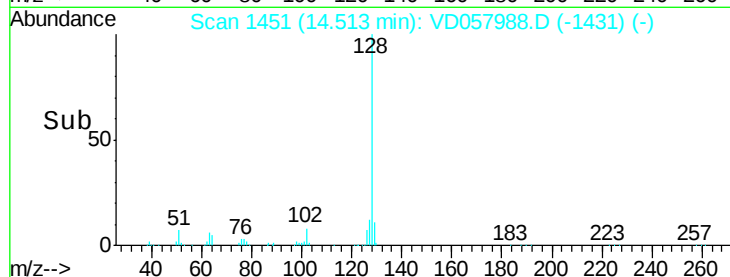
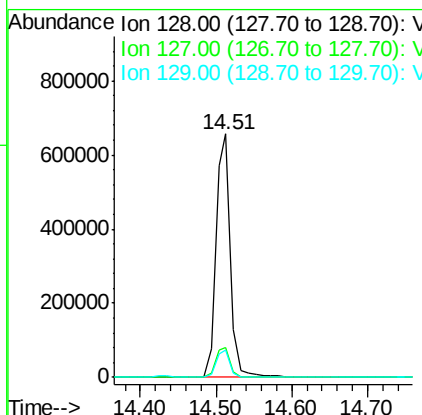
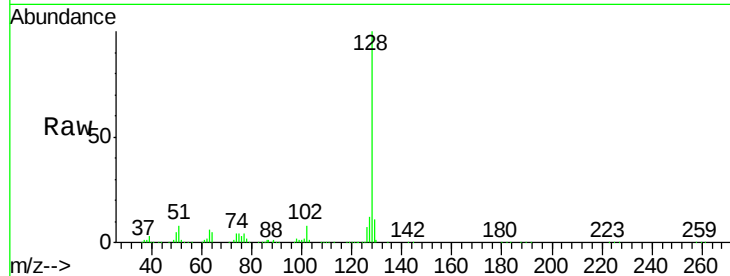
#95
Naphthalene
Concen: 55.146 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD057988.D
Acq: 7 Jun 2018 23:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.2
129	11.0	8.2	12.2

Manual Integrations
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#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	Ratio	Lower	Upper
180	100		
182	99.0	48.5	145.5
145	28.7	14.2	42.8

