

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058225.D
 Acq On : 20 Jun 2018 23:51
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 21 01:28:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	882275	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1135218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	926872	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	474523	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	481288	54.01	ug/l	0.01
Spiked Amount			Recovery	=	108.02%	
35) Dibromofluoromethane	5.55	113	510893	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
50) Toluene-d8	8.72	98	1210293	54.14	ug/l	0.01
Spiked Amount			Recovery	=	108.28%	
62) 4-Bromofluorobenzene	11.94	95	507097	55.53	ug/l	0.01
Spiked Amount			Recovery	=	111.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	428388	52.108	ug/l	99
3) Chloromethane	1.48	50	220756	58.038	ug/l	98
4) Vinyl Chloride	1.55	62	236665	51.206	ug/l	100
5) Bromomethane	1.79	94	84436	55.474	ug/l	92
6) Chloroethane	1.88	64	93543	56.044	ug/l	95
7) Trichlorofluoromethane	2.08	101	328744	51.876	ug/l	99
8) Diethyl Ether	2.34	74	65447	48.827	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.55	101	215869	53.583	ug/l	93
10) Methyl Iodide	2.69	142	250552	54.676	ug/l	97
11) Tert butyl alcohol	3.27	59	78653	267.599	ug/l #	92
12) 1,1-Dichloroethene	2.54	96	156130	51.509	ug/l	98
13) Acrolein	2.47	56	54532	325.006	ug/l	100
14) Allyl chloride	2.92	41	375465	53.221	ug/l	97
15) Acrylonitrile	3.36	53	206017	264.346	ug/l	97
16) Acetone	2.62	43	289288	237.367	ug/l	93
17) Carbon Disulfide	2.75	76	516017	50.037	ug/l	100
18) Methyl Acetate	2.94	43	134073	51.583	ug/l	100
19) Methyl tert-butyl Ether	3.40	73	473301	58.872	ug/l	97
20) Methylene Chloride	3.07	84	170377	53.924	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	161297	48.690	ug/l	84
22) Diisopropyl ether	4.07	45	1458809	52.064	ug/l	98
23) Vinyl Acetate	4.02	43	4002313	266.464	ug/l	100
24) 1,1-Dichloroethane	3.98	63	801581	53.101	ug/l	98
25) 2-Butanone	4.84	43	704920	265.380	ug/l	99
26) 2,2-Dichloropropane	4.80	77	593304	46.940	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	431541	52.130	ug/l	96
28) Bromochloromethane	5.15	49	358430	52.969	ug/l #	95
29) Tetrahydrofuran	5.20	42	362608	256.465	ug/l	99
30) Chloroform	5.32	83	838242	52.600	ug/l	93
31) Cyclohexane	5.59	56	595512	54.842	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	691929	52.550	ug/l	98
36) 1,1-Dichloropropene	5.75	75	530846	47.269	ug/l	98
37) Ethyl Acetate	4.93	43	316346	49.440	ug/l	99
38) Carbon Tetrachloride	5.73	117	559827	50.170	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	558933	51.098	ug/l	98
40) Benzene	6.02	78	1355837	50.682	ug/l	100
41) Methacrylonitrile	5.14	41	164259	53.162	ug/l	97
42) 1,2-Dichloroethane	6.13	62	565643	52.439	ug/l	100
43) Isopropyl Acetate	7.63	43	453675	53.182	ug/l	98
44) Trichloroethene	6.99	130	403474	50.227	ug/l	97
45) 1,2-Dichloropropane	7.35	63	377223	52.359	ug/l	96
46) Dibromomethane	7.47	93	263019	53.478	ug/l	95
47) Bromodichloromethane	7.75	83	594408	52.999	ug/l	97
48) Methyl methacrylate	7.51	41	266428	51.388	ug/l	98
49) 1,4-Dioxane	7.50	88	50059	1069.617	ug/l #	71
51) 4-Methyl-2-Pentanone	8.60	43	1498323	269.275	ug/l	97
52) Toluene	8.81	92	784554	51.505	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	524281	53.767	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	582905	50.991	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	284109	52.717	ug/l	98
56) Ethyl methacrylate	9.32	69	334020	51.824	ug/l	98
57) 1,3-Dichloropropane	9.68	76	462550	50.952	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	823252	258.009	ug/l	94
59) 2-Hexanone	9.79	43	1025527	255.065	ug/l	98
60) Dibromochloromethane	9.97	129	401713	54.924	ug/l	94
61) 1,2-Dibromoethane	10.10	107	314362	53.294	ug/l	97
64) Tetrachloroethene	9.52	164	420552	53.925	ug/l	97
65) Chlorobenzene	10.73	112	898592	51.829	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	347733	51.972	ug/l	98
67) Ethyl Benzene	10.87	91	1519856	49.655	ug/l	100
68) m/p-Xylenes	11.02	106	1044177	102.297	ug/l	95
69) o-Xylene	11.41	106	501200	51.410	ug/l	98
70) Styrene	11.44	104	817990	49.170	ug/l	98
71) Bromoform	11.60	173	295048	55.280	ug/l	99
73) Isopropylbenzene	11.78	105	1409646	49.664	ug/l	99
74) N-amyl acetate	11.65	43	573706	52.276	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	344748	52.194	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	346028	49.945	ug/l	99
77) Bromobenzene	12.05	156	442808	52.099	ug/l	94
78) n-propylbenzene	12.16	91	1883600	51.388	ug/l	98
79) 2-Chlorotoluene	12.23	91	1079617	51.472	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	1143882	51.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	90213	53.389	ug/l	94
82) 4-Chlorotoluene	12.33	91	1184852	58.935	ug/l	99
83) tert-Butylbenzene	12.58	119	1257490	49.406	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	1167799	48.528	ug/l	99
85) sec-Butylbenzene	12.76	105	1450126	48.607	ug/l	99
86) p-Isopropyltoluene	12.89	119	1297250	53.658	ug/l	94
87) 1,3-Dichlorobenzene	12.85	146	744637	50.406	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	719124	49.850	ug/l	97
89) n-Butylbenzene	13.20	91	1180146	46.446	ug/l	99
90) Hexachloroethane	13.41	117	337852	53.841	ug/l	93
91) 1,2-Dichlorobenzene	13.20	146	602937	47.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	54407	51.757	ug/l	97

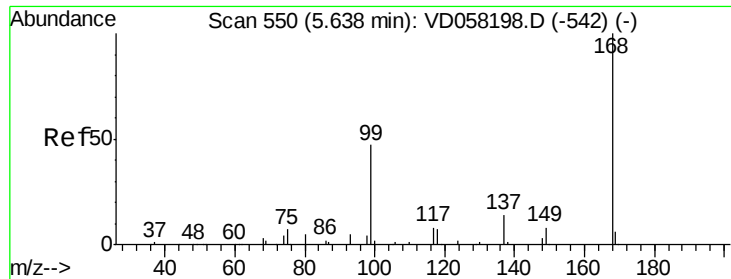
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	617855	51.387	ug/l	96
94) Hexachlorobutadiene	14.44	225	474067	50.409	ug/l	97
95) Naphthalene	14.52	128	845212	53.366	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	550625	52.311	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

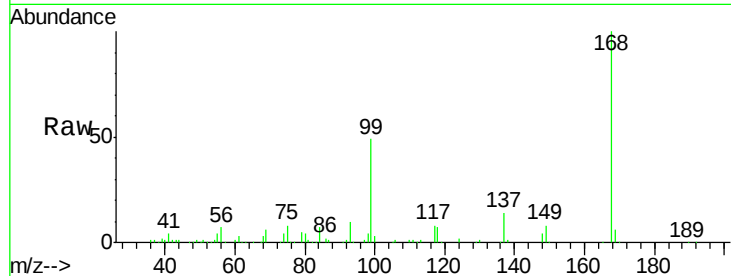
VSTDCCC050

Tot Ion:168 Resp: 882275

Ion Ratio Lower Upper

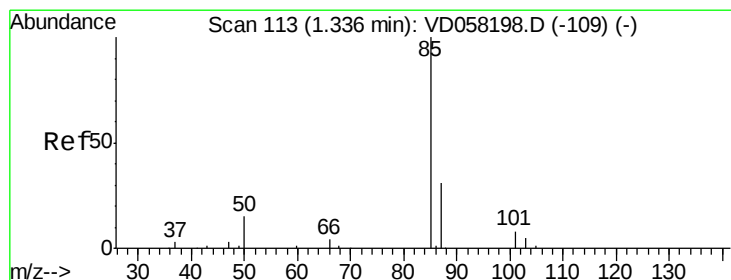
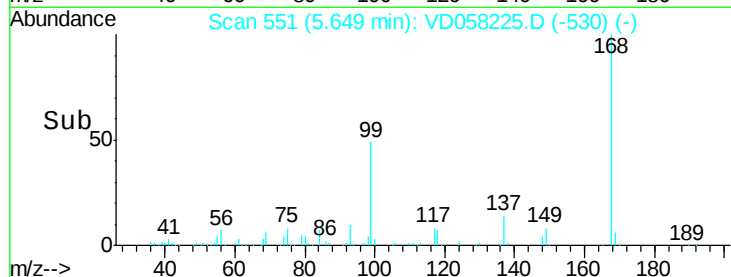
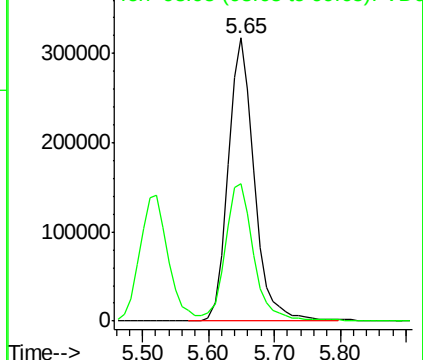
168 100

99 48.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 52.108 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058225.D

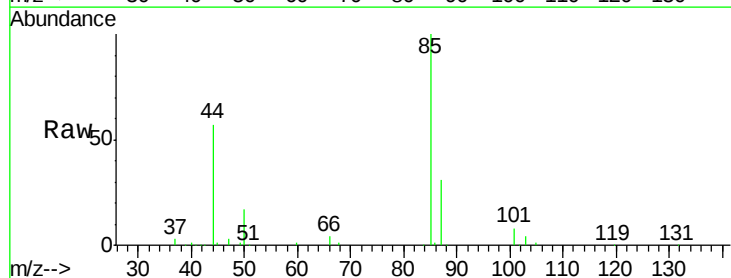
Acq: 20 Jun 2018 23:51

Tgt Ion: 85 Resp: 428388

Ion Ratio Lower Upper

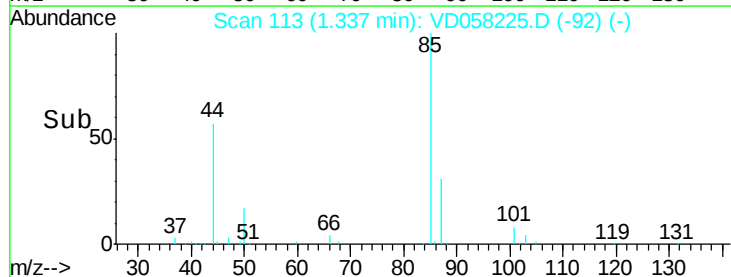
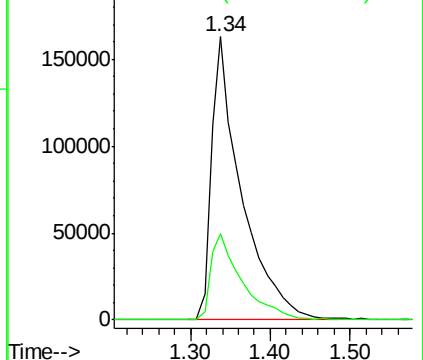
85 100

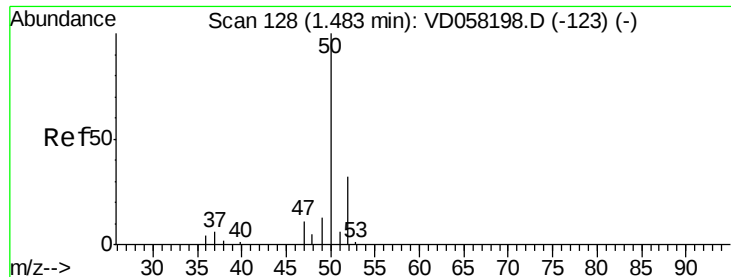
87 30.7 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 58.038 ug/l

RT: 1.48 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

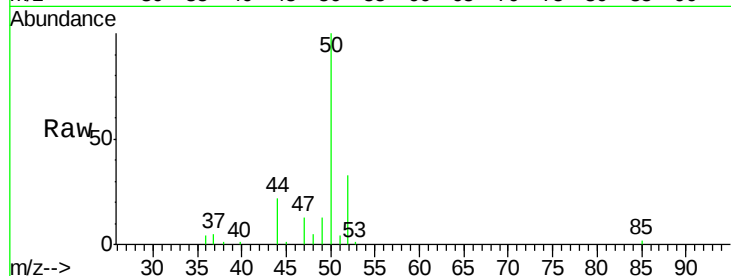
VSTDCCC050

Tot Ion: 50 Resp: 220756

Ion Ratio Lower Upper

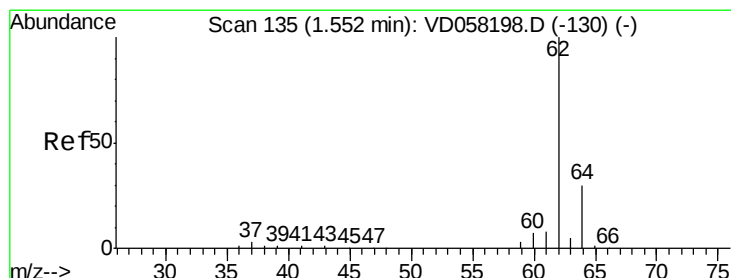
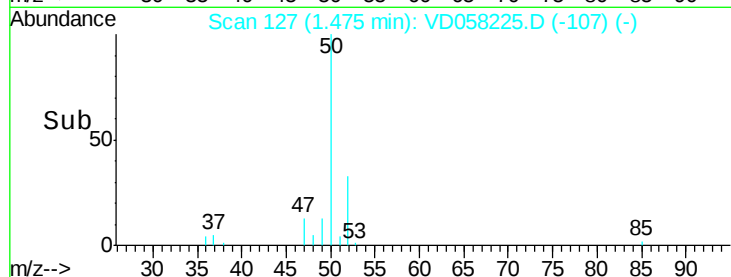
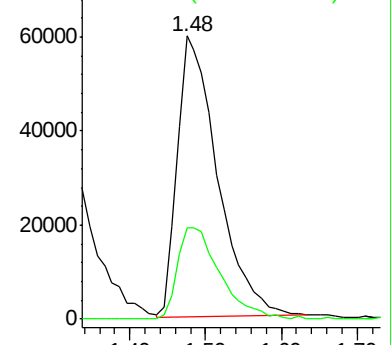
50 100

52 32.5 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.206 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058225.D

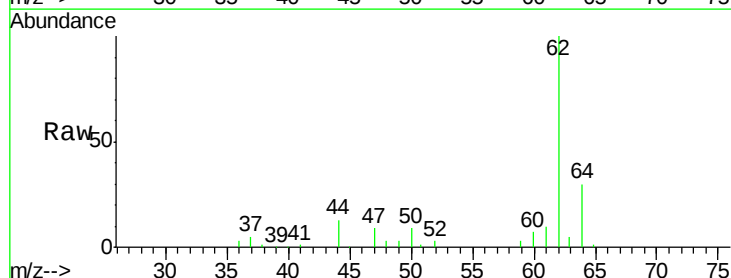
Acq: 20 Jun 2018 23:51

Tgt Ion: 62 Resp: 236665

Ion Ratio Lower Upper

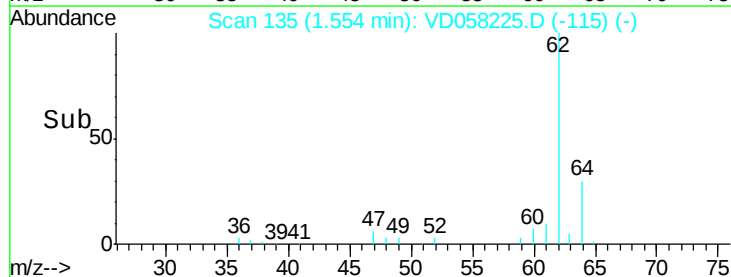
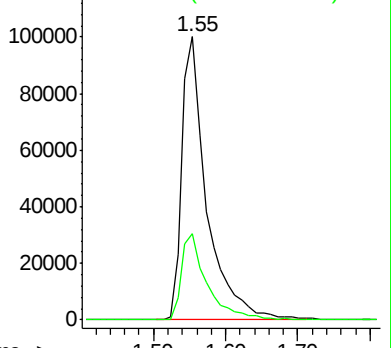
62 100

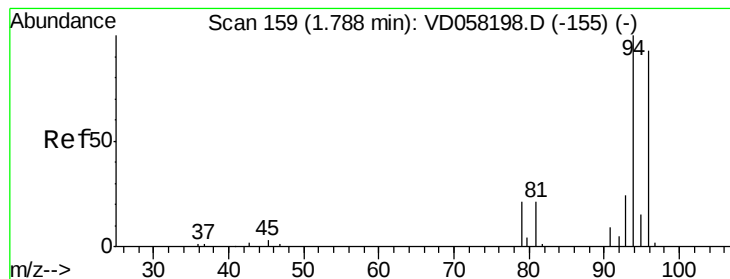
64 30.5 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.474 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

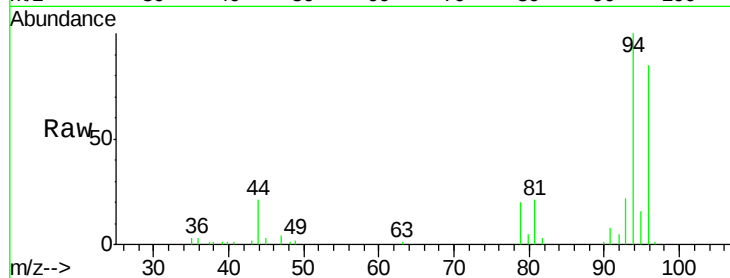
VSTDCCC050

Tot Ion: 94 Resp: 84436

Ion Ratio Lower Upper

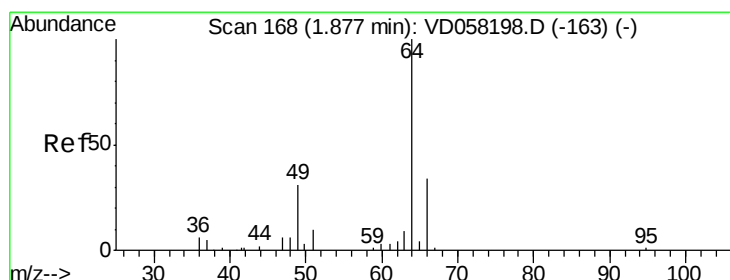
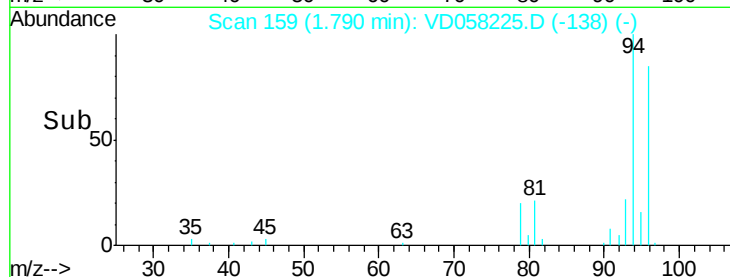
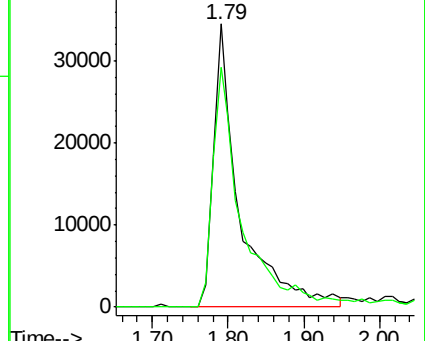
94 100

96 84.6 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 56.044 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058225.D

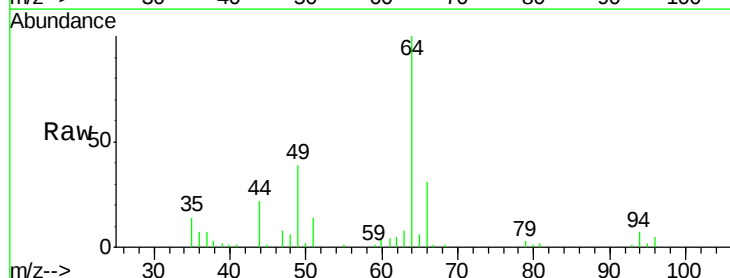
Acq: 20 Jun 2018 23:51

Tgt Ion: 64 Resp: 93543

Ion Ratio Lower Upper

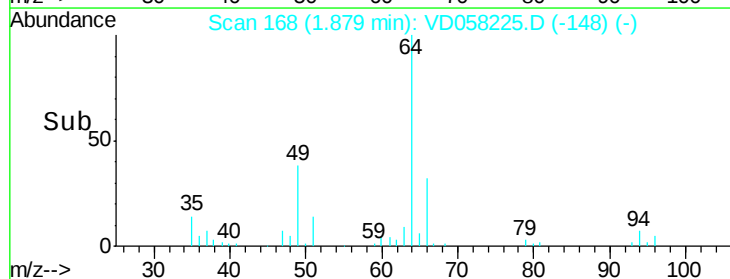
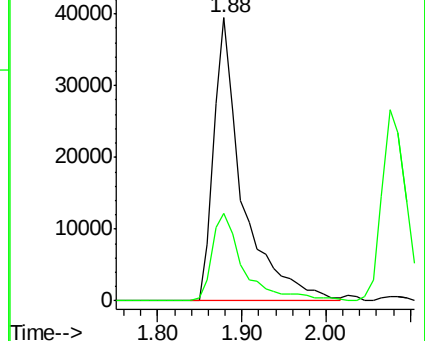
64 100

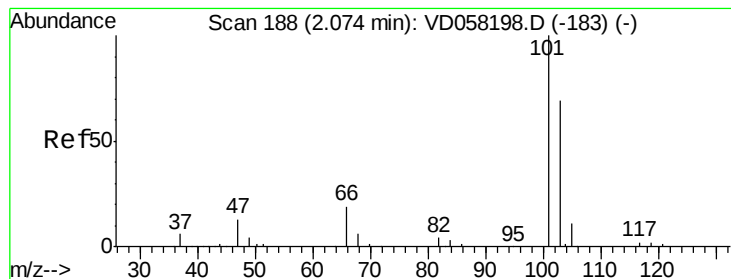
66 31.1 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



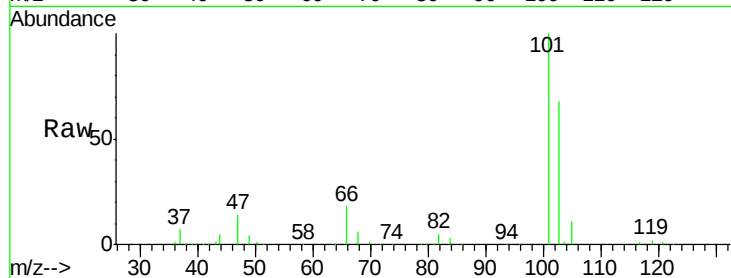


#7

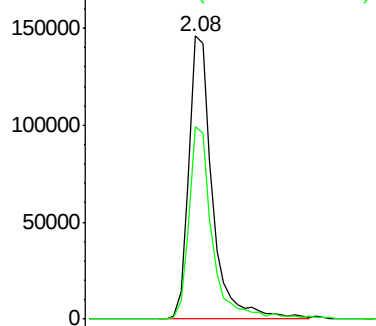
Trichlorofluoromethane
Concen: 51.876 ug/l
RT: 2.08 min Scan# 188
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

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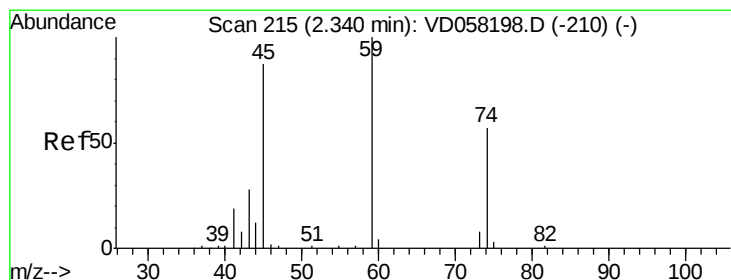
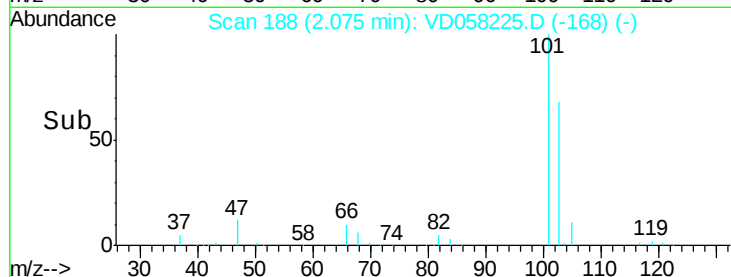
Tot Ion:101 Resp: 328744
Ion Ratio Lower Upper
101 100
103 67.9 55.1 82.7



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



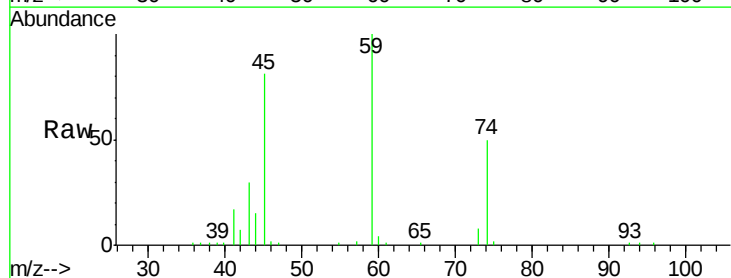
Time-->



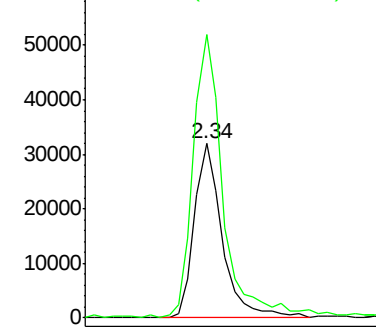
#8

Diethyl Ether
Concen: 48.827 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

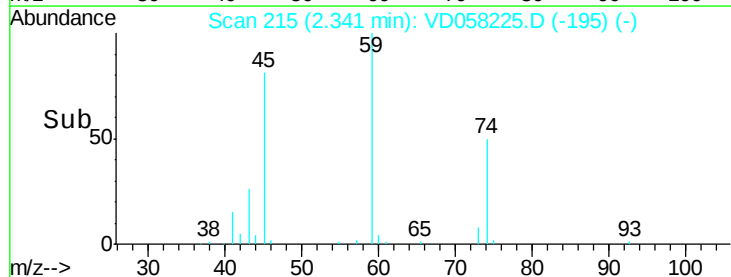
Tgt Ion: 74 Resp: 65447
Ion Ratio Lower Upper
74 100
45 162.3 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.583 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

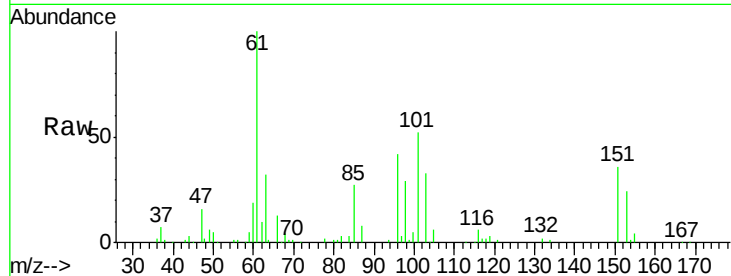
Tot Ion:101 Resp: 215869

Ion Ratio Lower Upper

101 100

85 50.7 39.0 58.4

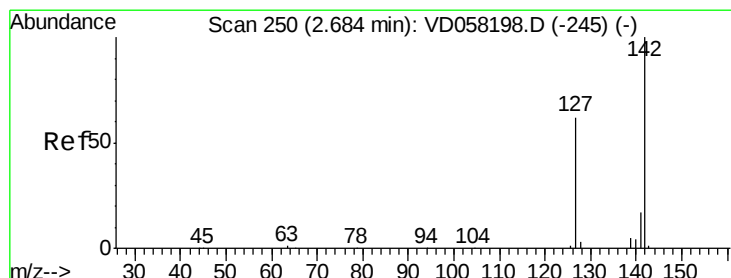
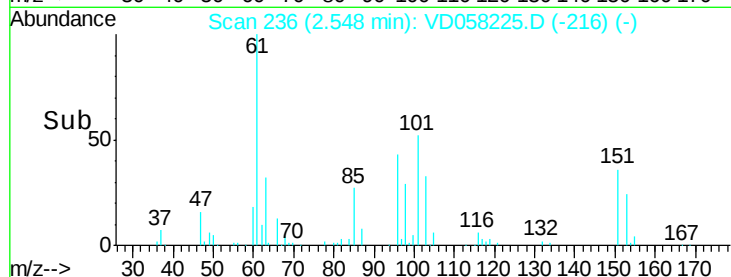
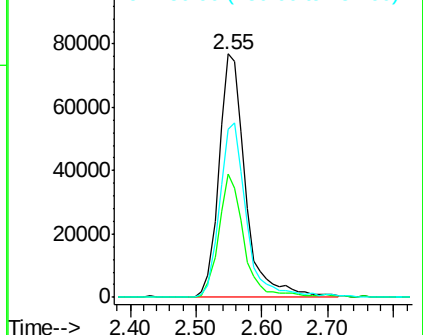
151 68.9 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 54.676 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

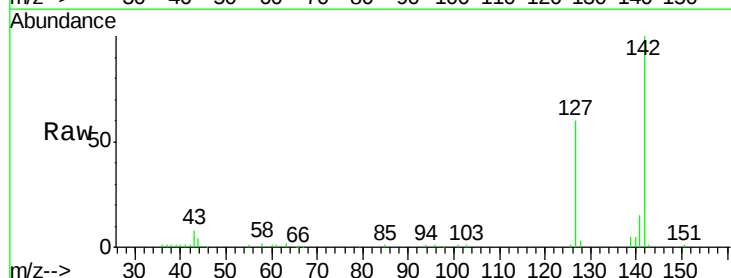
Tgt Ion:142 Resp: 250552

Ion Ratio Lower Upper

142 100

127 59.9 49.4 74.0

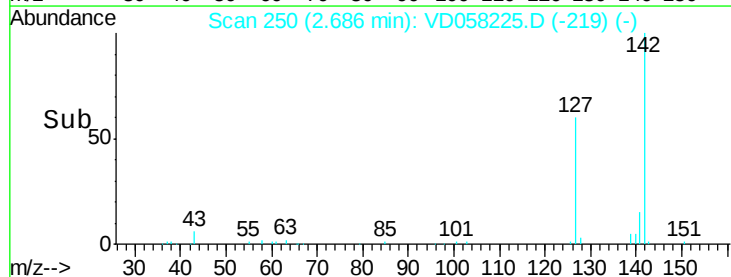
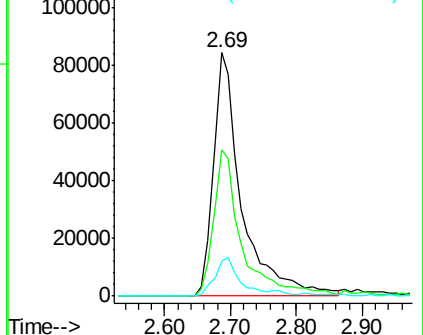
141 14.6 13.5 20.3



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



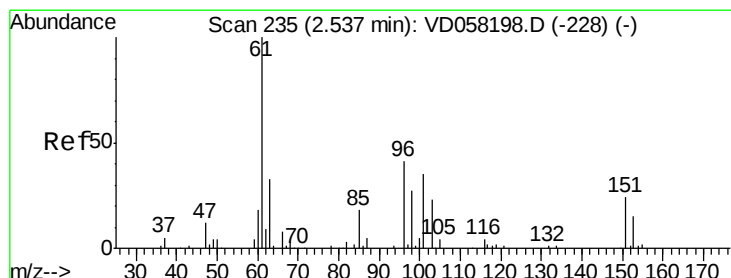
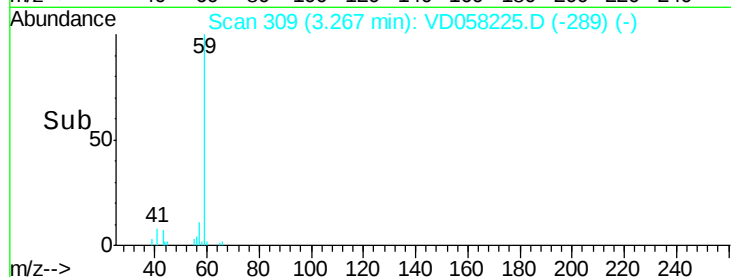
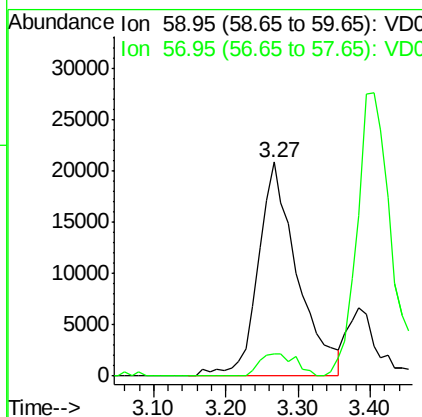
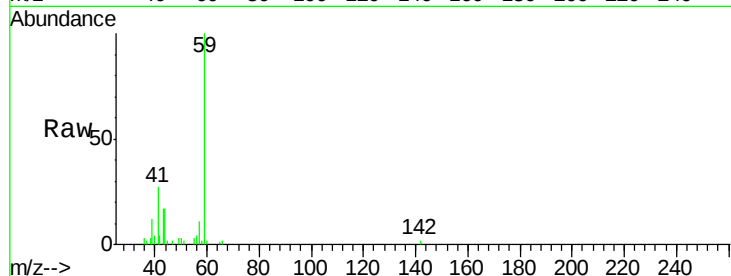


#11

Tert butyl alcohol
 Concen: 267.599 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

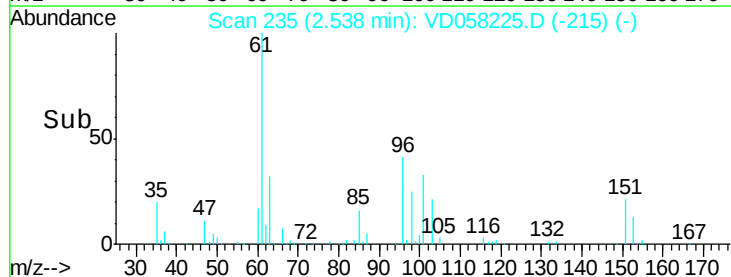
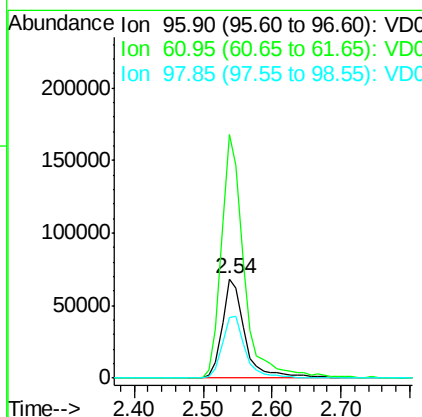
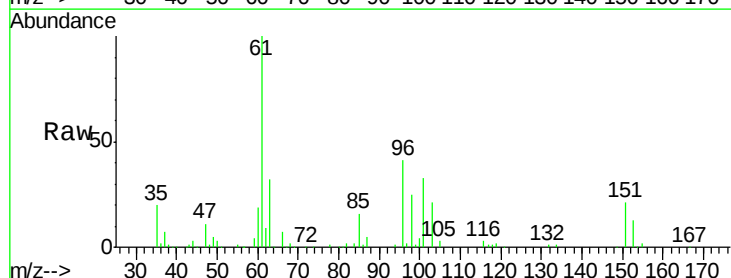
Tot Ion: 59 Resp: 78653
 Ion Ratio Lower Upper
 59 100
 57 10.6 6.2 9.4#

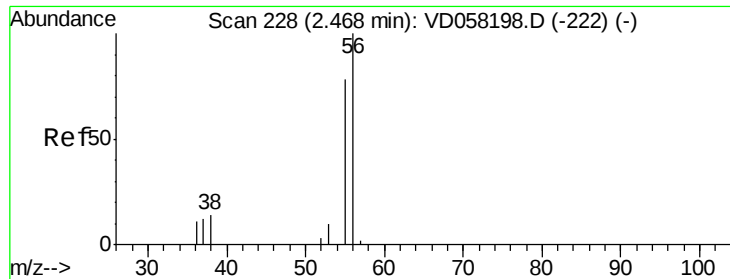


#12

1,1-Dichloroethene
 Concen: 51.509 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Tgt Ion: 96 Resp: 156130
 Ion Ratio Lower Upper
 96 100
 61 244.8 193.9 290.9
 98 60.3 51.7 77.5

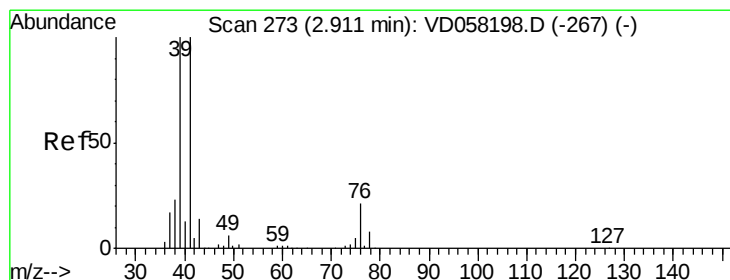
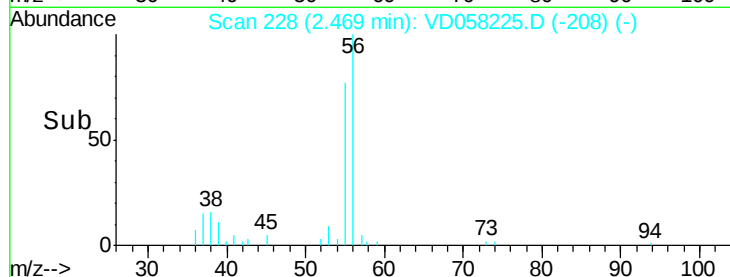
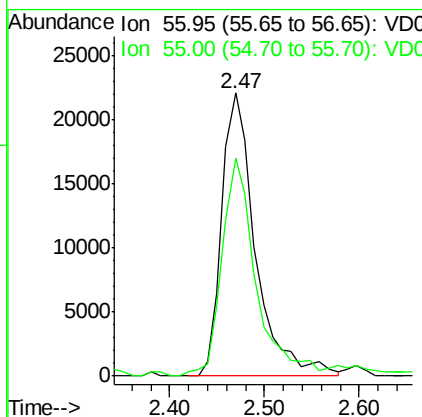
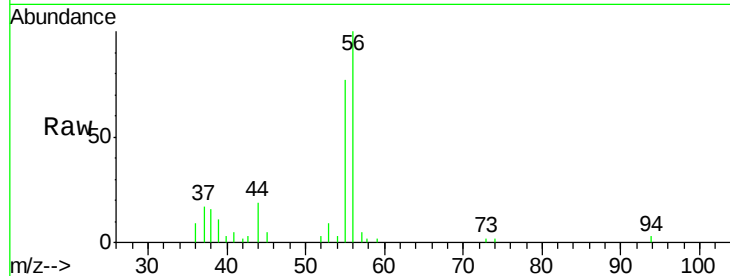




#13
Acrolein
Concen: 325.006 ug/l
RT: 2.47 min Scan# 228
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

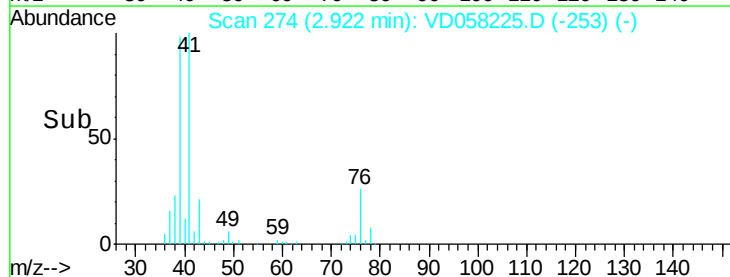
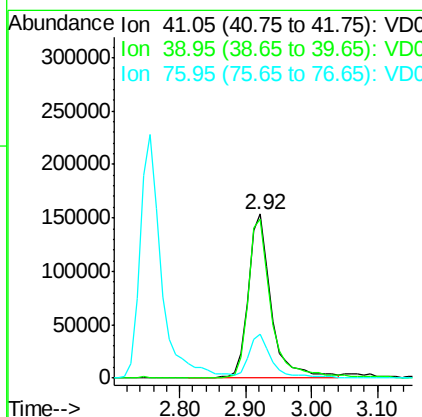
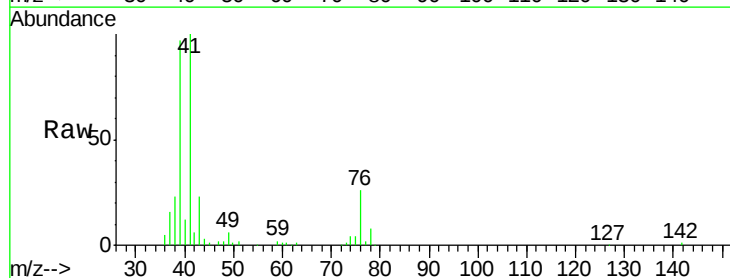
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

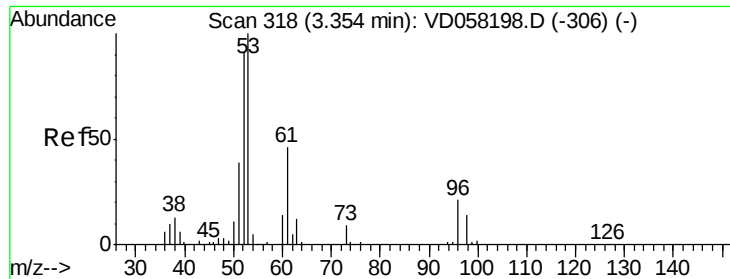
Tot Ion: 56 Resp: 54532
Ion Ratio Lower Upper
56 100
55 77.2 62.1 93.1



#14
Allyl chloride
Concen: 53.221 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 41 Resp: 375465
Ion Ratio Lower Upper
41 100
39 97.3 80.1 120.1
76 26.4 19.4 29.2





#15

Acrylonitrile

Concen: 264.346 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

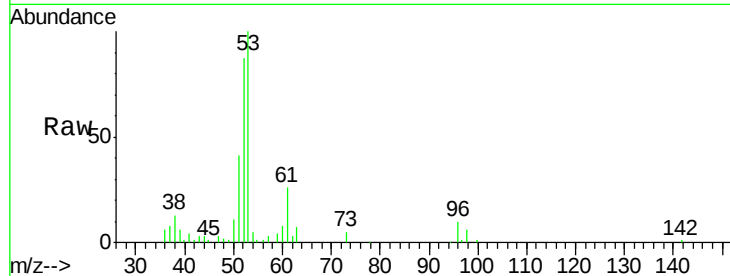
Tot Ion: 53 Resp: 206017

Ion Ratio Lower Upper

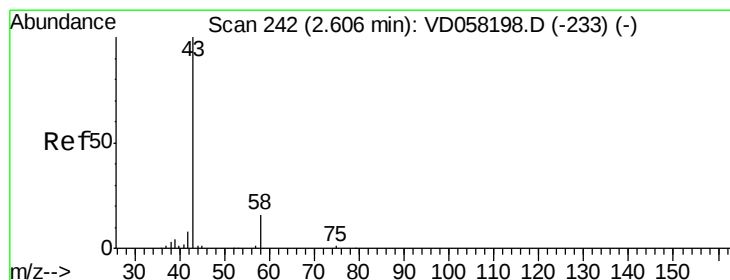
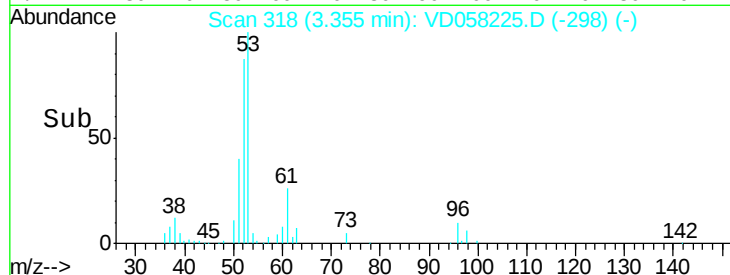
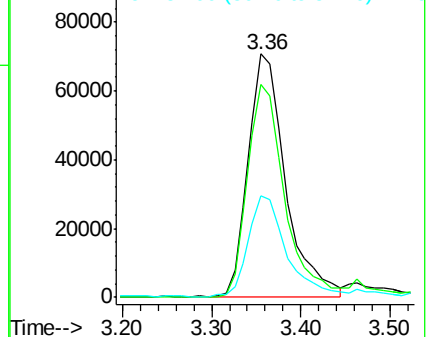
53 100

52 87.3 72.6 108.8

51 41.4 32.2 48.4



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



#16

Acetone

Concen: 237.367 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058225.D

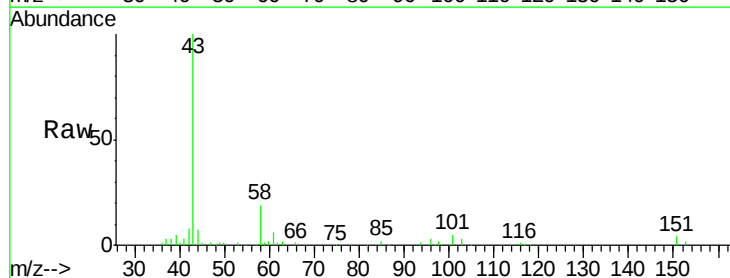
Acq: 20 Jun 2018 23:51

Tgt Ion: 43 Resp: 289288

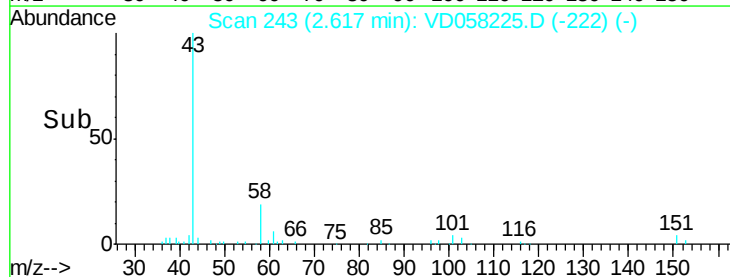
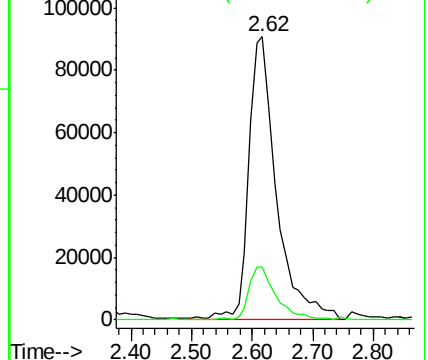
Ion Ratio Lower Upper

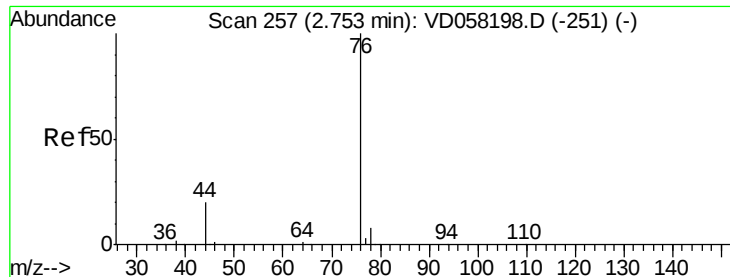
43 100

58 18.8 12.7 19.1



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

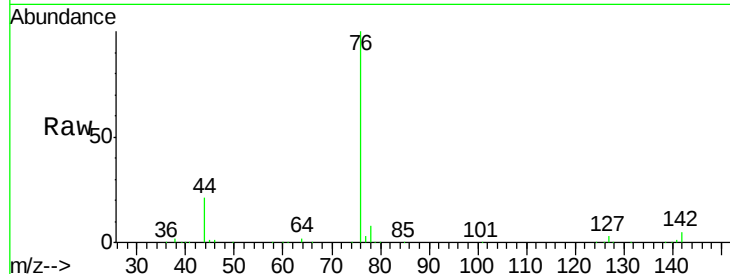




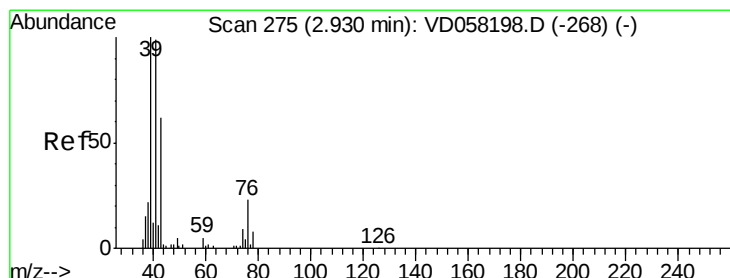
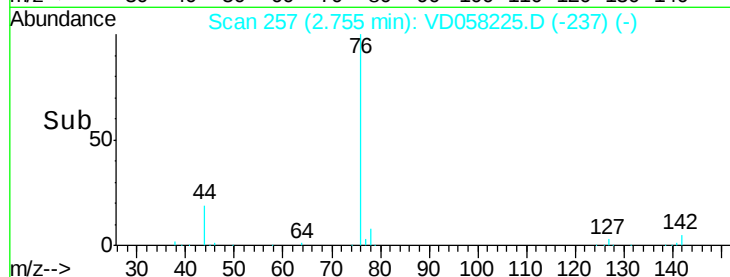
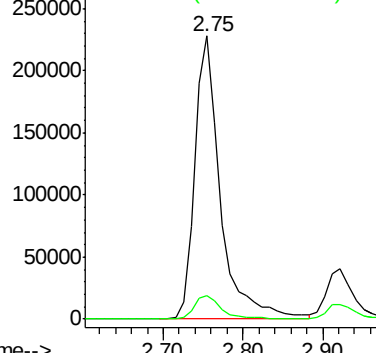
#17
Carbon Disulfide
Concen: 50.037 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 516017
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2

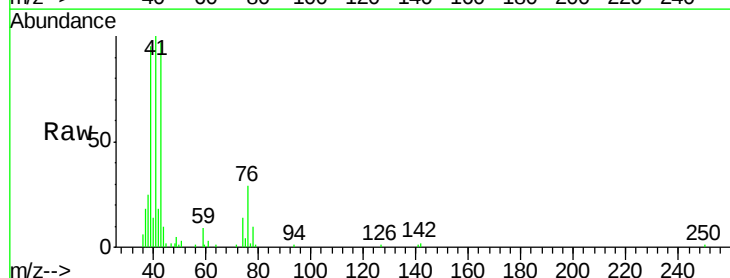


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

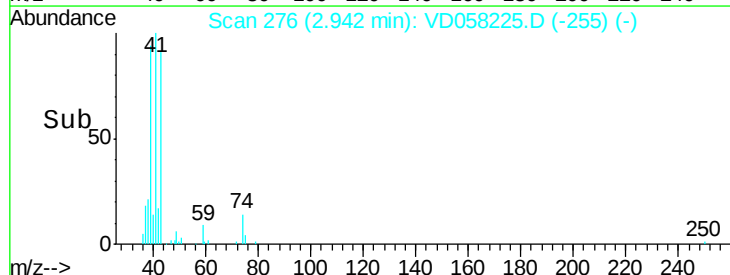
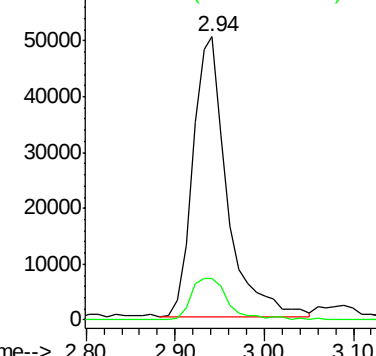


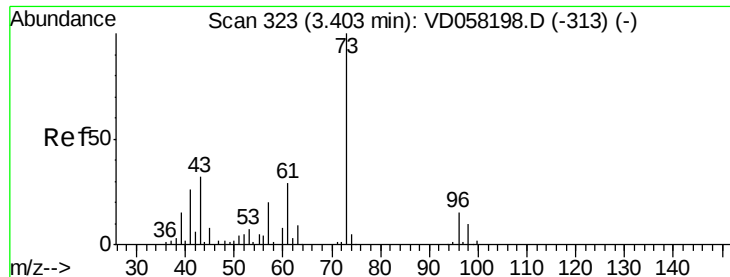
#18
Methyl Acetate
Concen: 51.583 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 43 Resp: 134073
Ion Ratio Lower Upper
43 100
74 14.5 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

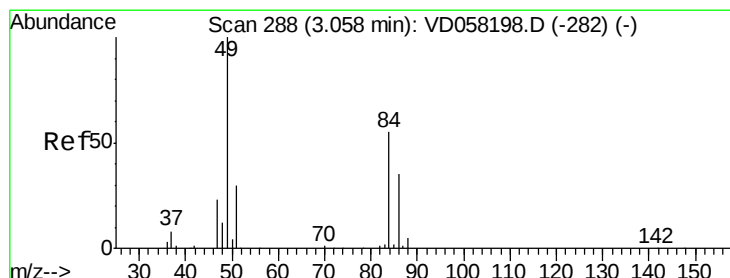
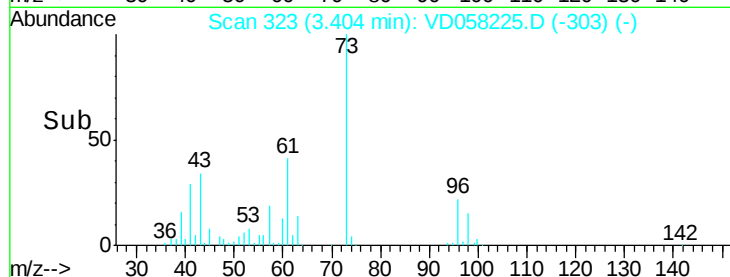
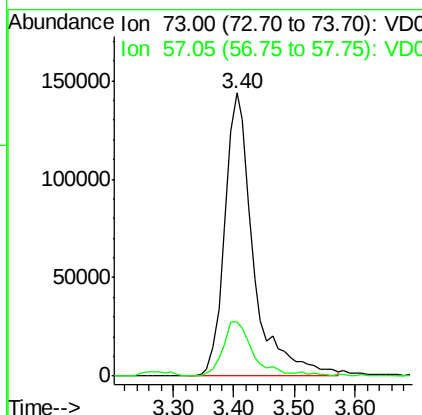
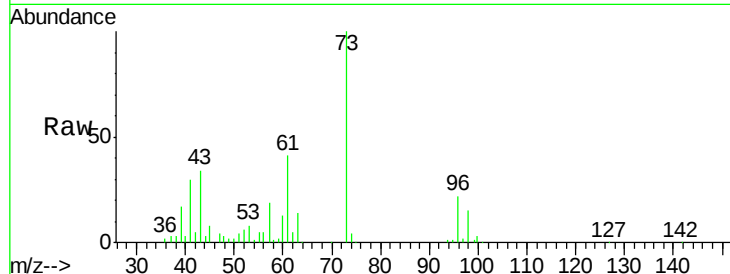




#19
Methvl tert-butvl Ether
Concen: 58.872 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

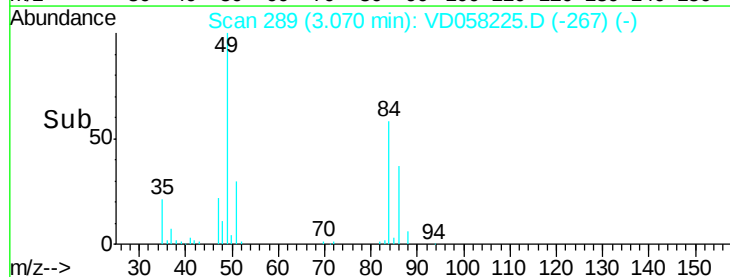
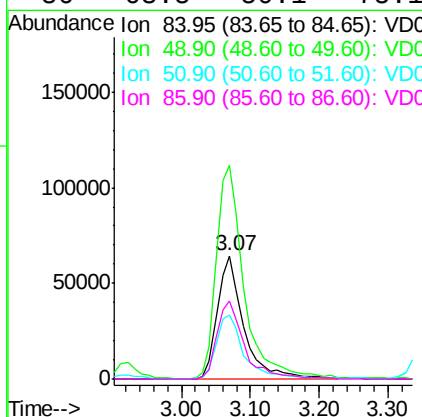
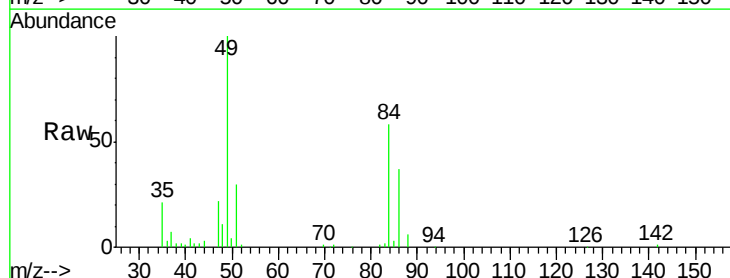
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

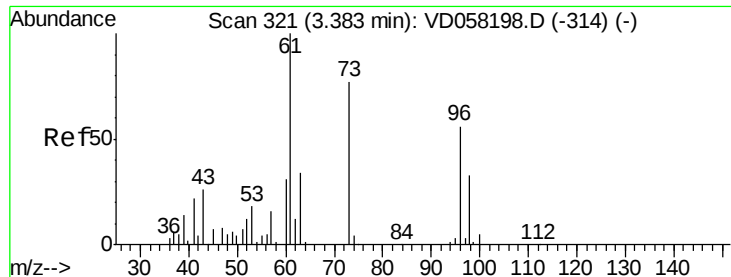
Tot Ion: 73 Resp: 473301
Ion Ratio Lower Upper
73 100
57 19.2 16.6 24.8



#20
Methylene Chloride
Concen: 53.924 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 84 Resp: 170377
Ion Ratio Lower Upper
84 100
49 173.3 145.0 217.6
51 52.3 42.9 64.3
86 63.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 48.690 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

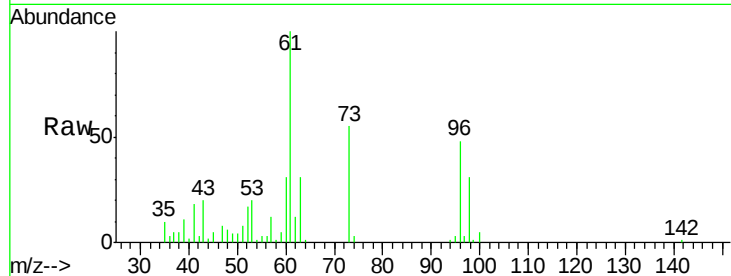
Tot Ion: 96 Resp: 161297

Ion Ratio Lower Upper

96 100

61 207.4 143.8 215.6

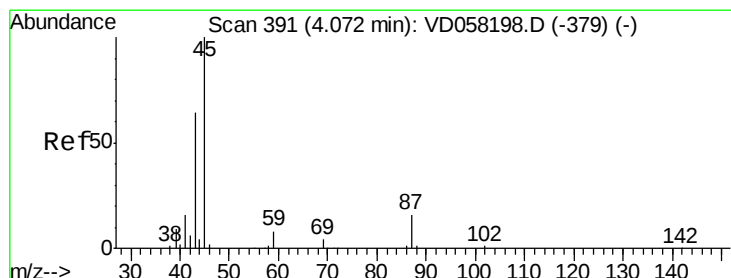
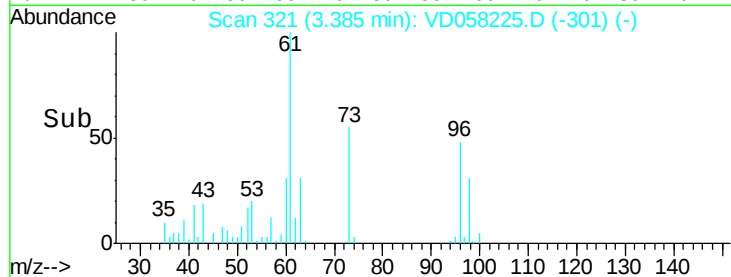
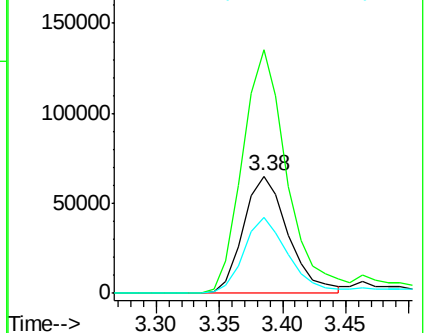
98 64.5 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.064 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Tgt Ion: 45 Resp: 1458809

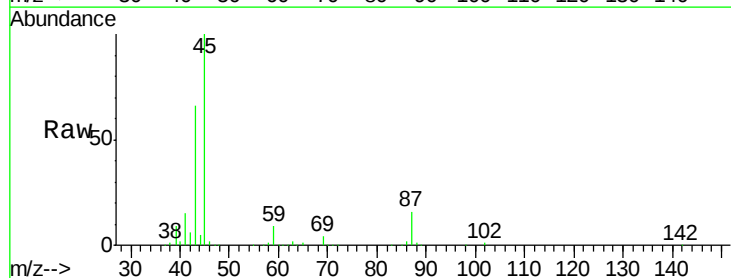
Ion Ratio Lower Upper

45 100

43 66.5 51.4 77.0

87 16.2 13.0 19.4

59 8.7 6.9 10.3

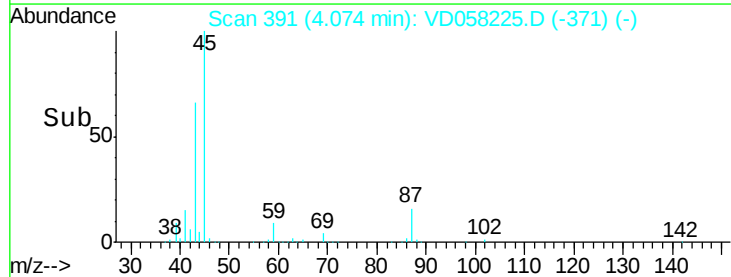
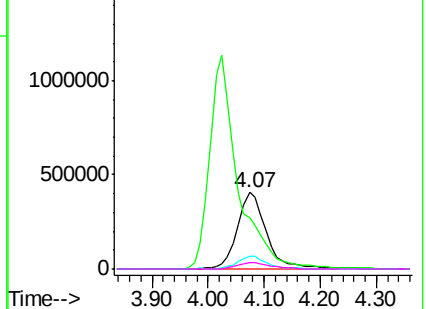


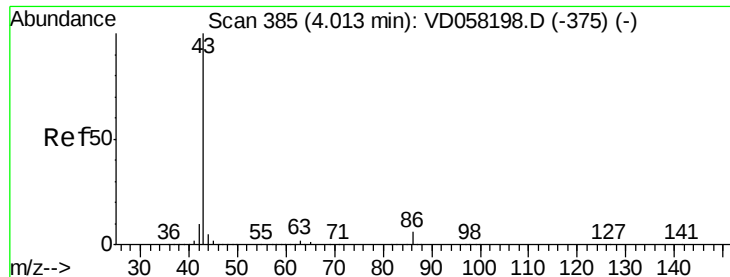
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 266.464 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

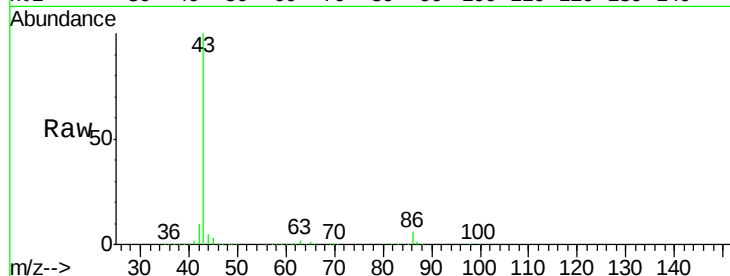
VSTDCCC050

Tot Ion: 43 Resp: 4002313

Ion Ratio Lower Upper

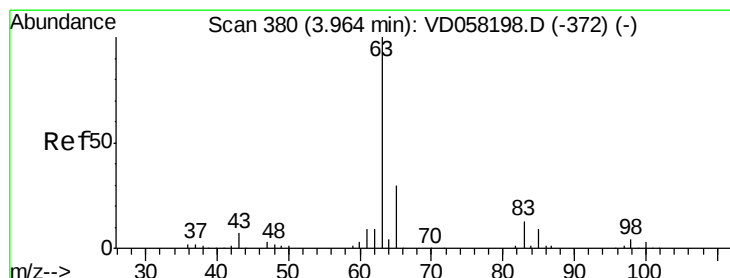
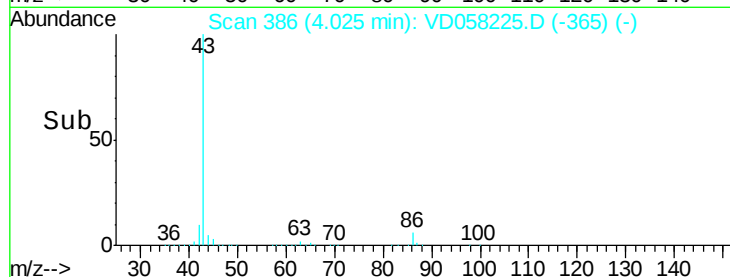
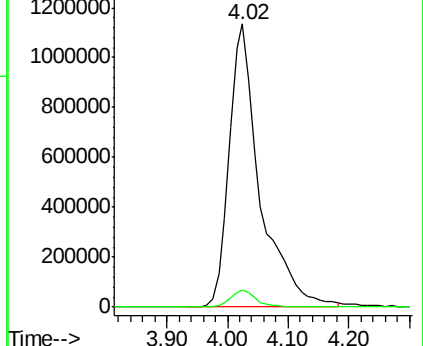
43 100

86 6.0 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.101 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

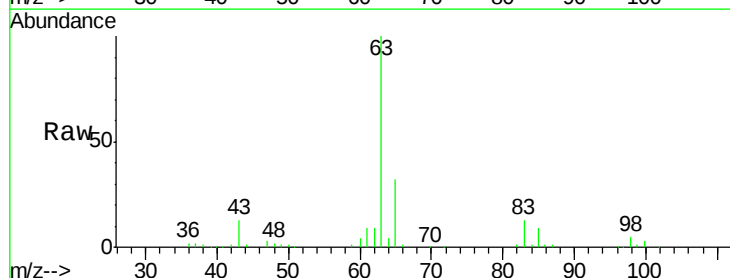
Tgt Ion: 63 Resp: 801581

Ion Ratio Lower Upper

63 100

98 4.7 1.9 5.7

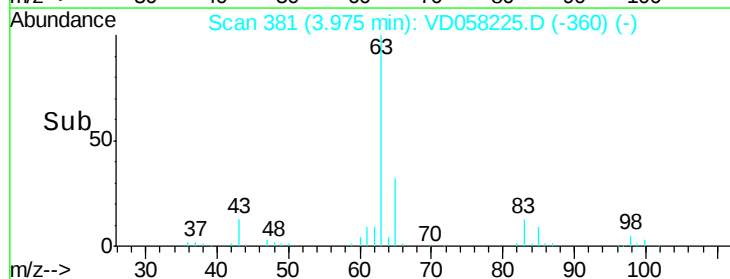
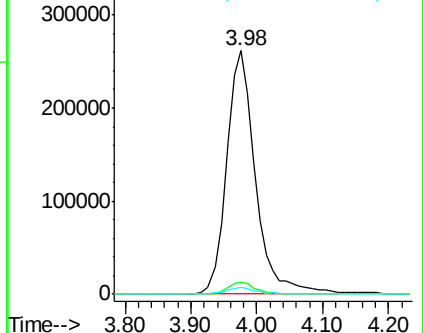
100 3.0 1.3 3.9

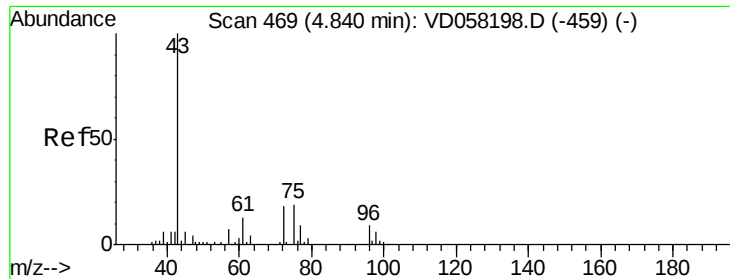


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 265.380 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

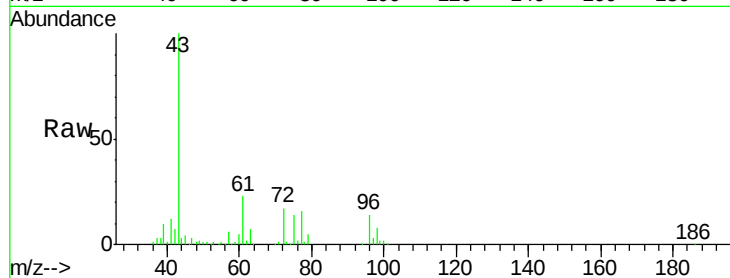
VSTDCCC050

Tot Ion: 43 Resp: 704920

Ion Ratio Lower Upper

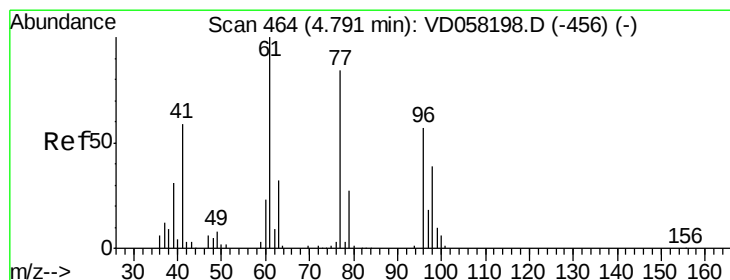
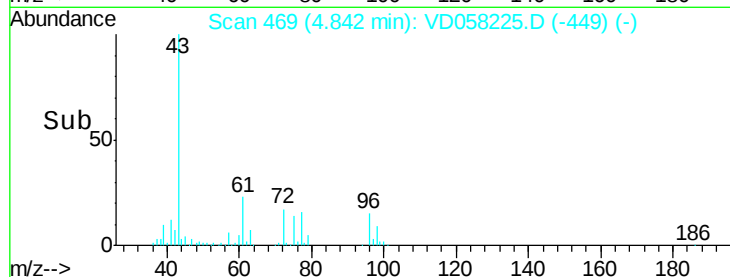
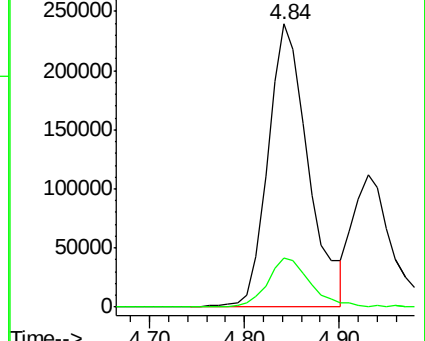
43 100

72 17.2 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.940 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058225.D

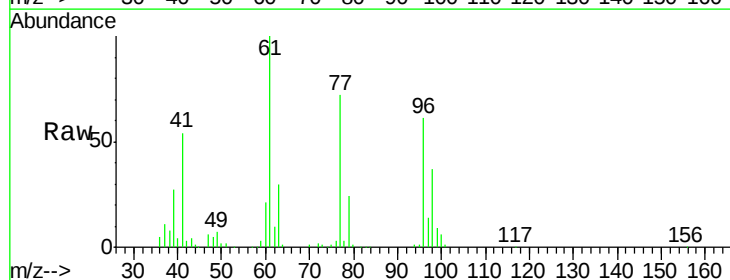
Acq: 20 Jun 2018 23:51

Tgt Ion: 77 Resp: 593304

Ion Ratio Lower Upper

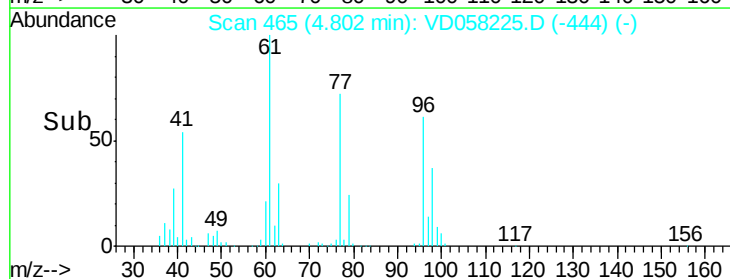
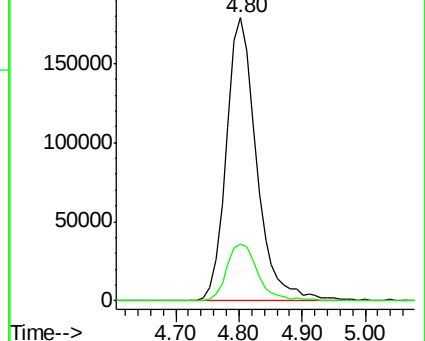
77 100

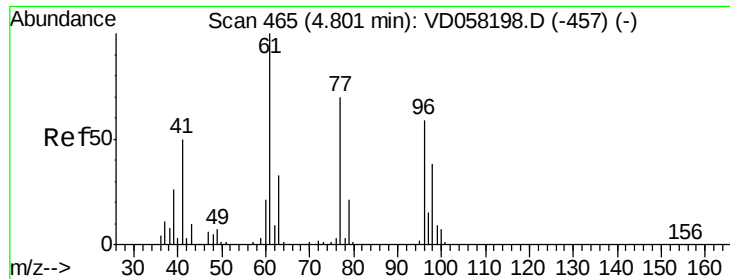
97 20.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



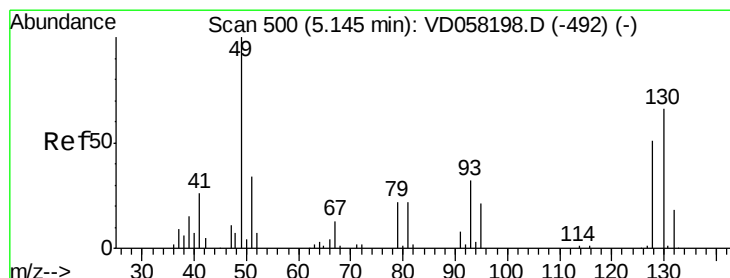
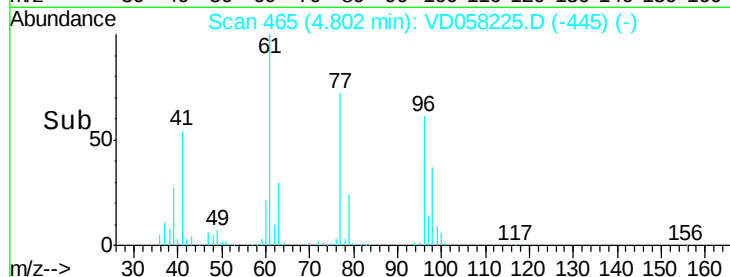
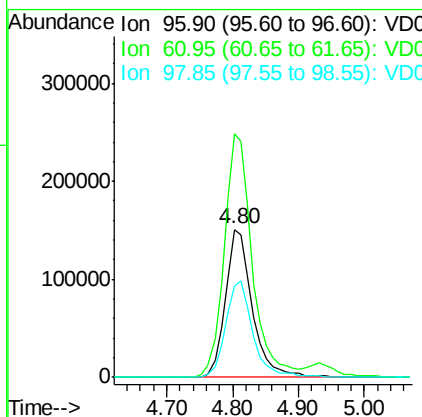
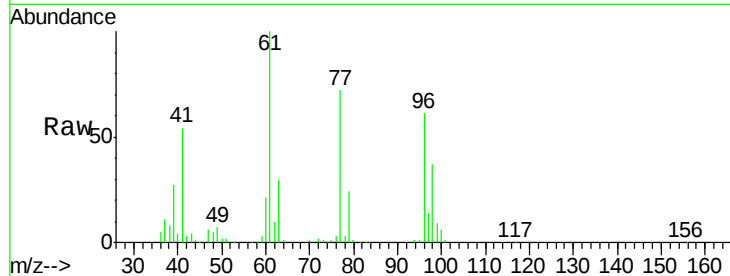


#27

cis-1,2-Dichloroethene
 Concen: 52.130 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

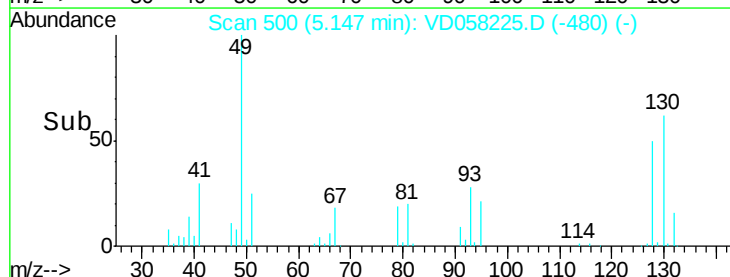
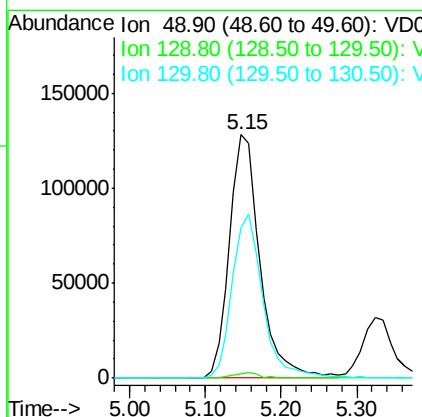
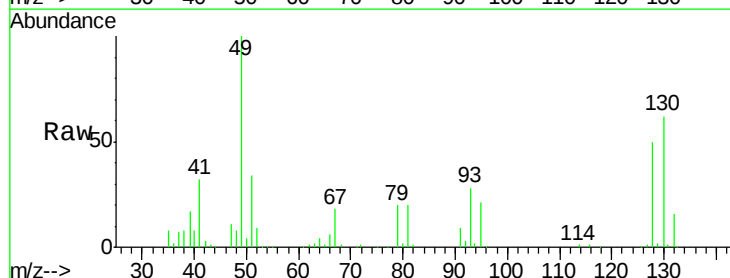
Tot Ion: 96 Resp: 431541
 Ion Ratio Lower Upper
 96 100
 61 164.5 0.0 338.6
 98 61.5 0.0 130.2



#28

Bromochloromethane
 Concen: 52.969 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Tgt Ion: 49 Resp: 358430
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 0.0#
 130 61.6 52.6 79.0

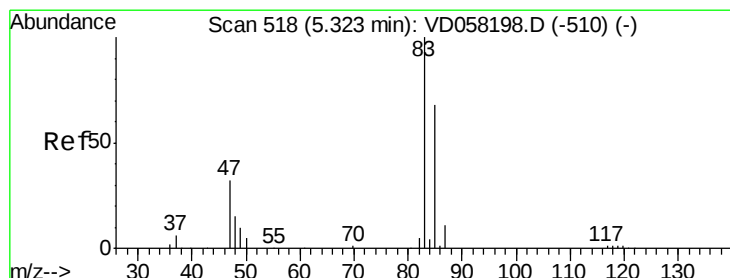
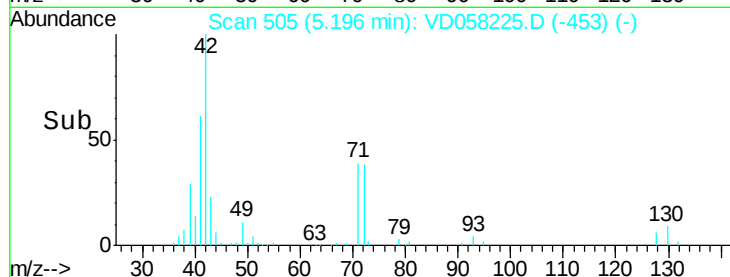
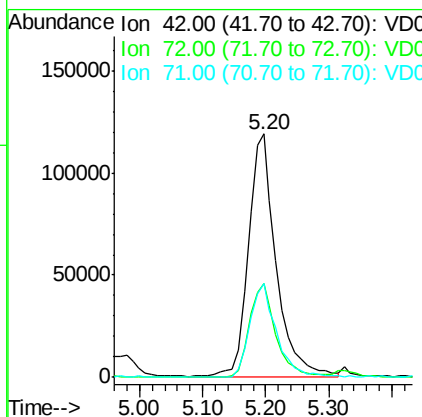
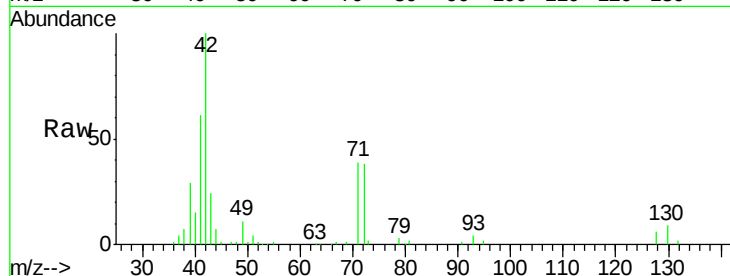




#29
Tetrahydrofuran
Concen: 256.465 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

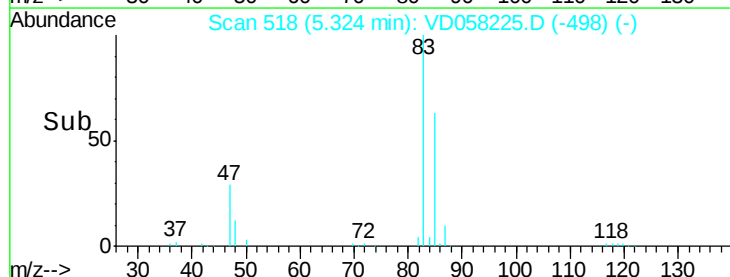
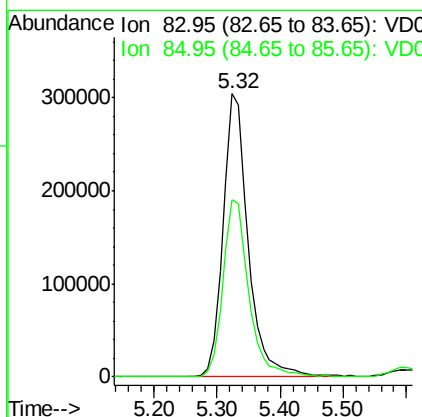
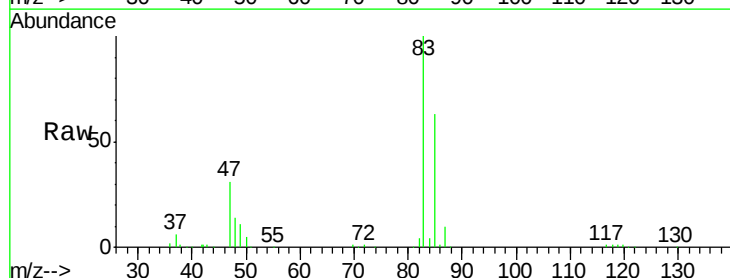
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

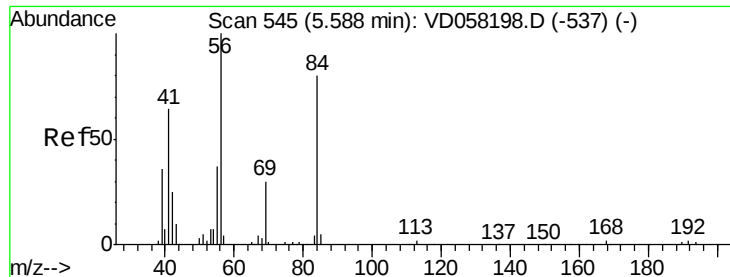
Tot Ion: 42 Resp: 362608
Ion Ratio Lower Upper
42 100
72 36.8 30.2 45.2
71 37.7 30.1 45.1



#30
Chloroform
Concen: 52.600 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 83 Resp: 838242
Ion Ratio Lower Upper
83 100
85 62.6 54.8 82.2

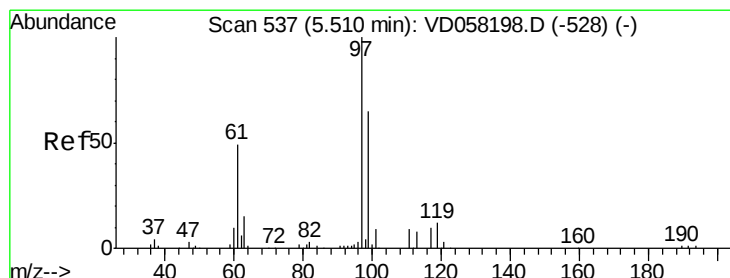
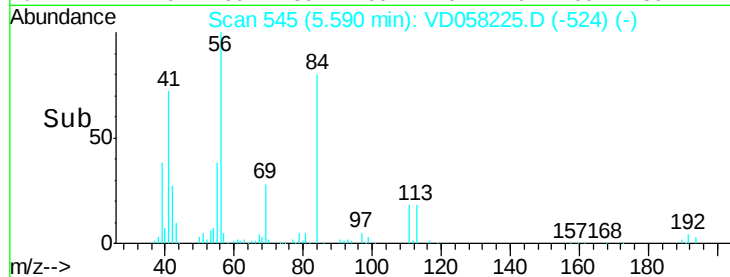
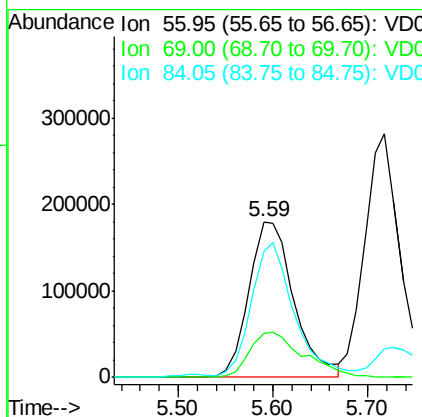
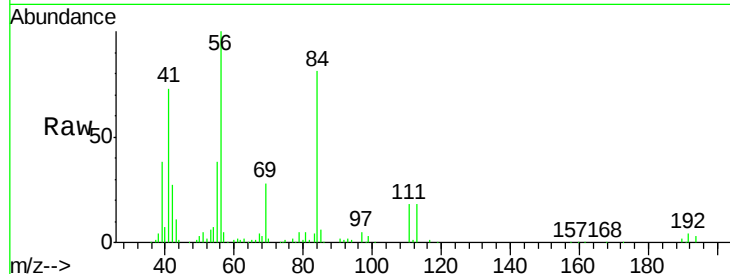




#31
Cyclohexane
Concen: 54.842 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

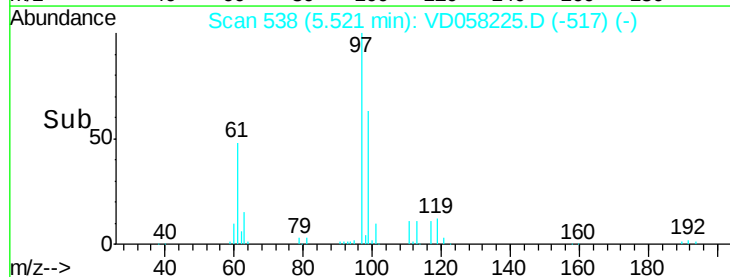
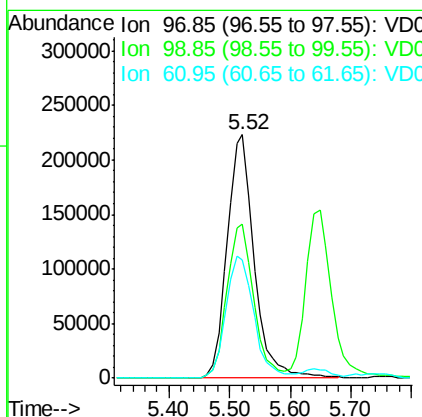
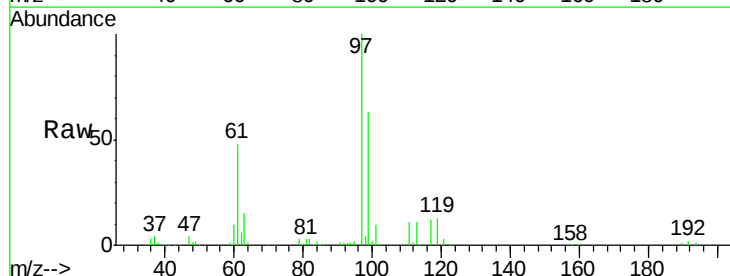
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

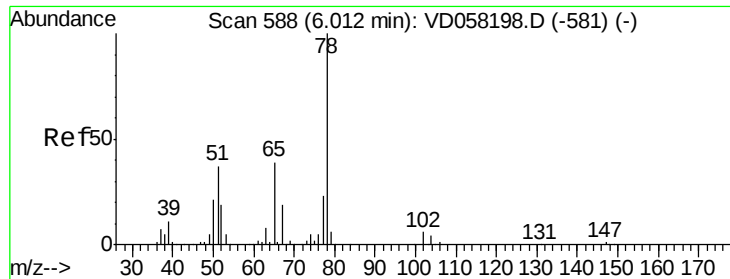
Tot Ion: 56 Resp: 595512
Ion Ratio Lower Upper
56 100
69 28.2 23.6 35.4
84 81.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 52.550 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 97 Resp: 691929
Ion Ratio Lower Upper
97 100
99 63.5 52.2 78.4
61 48.3 39.0 58.4





#33

1,2-Dichloroethane-d4

Concen: 52.550 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

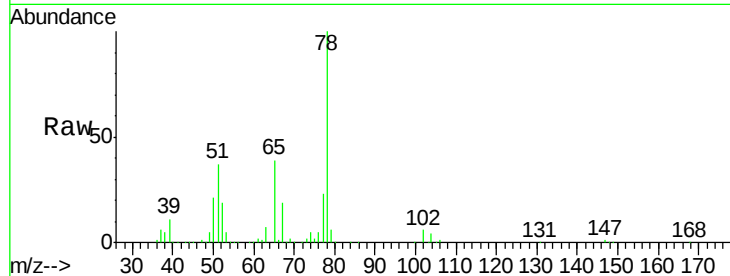
VSTDCCC050

Tot Ion: 65 Resp: 481288

Ion Ratio Lower Upper

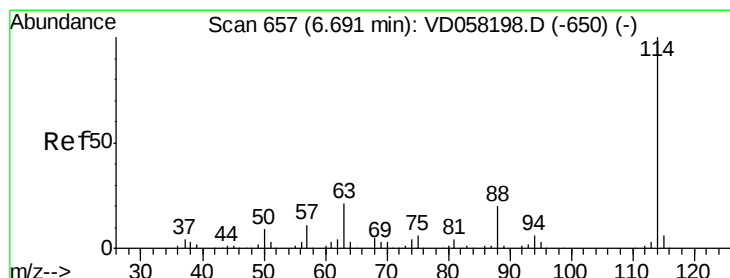
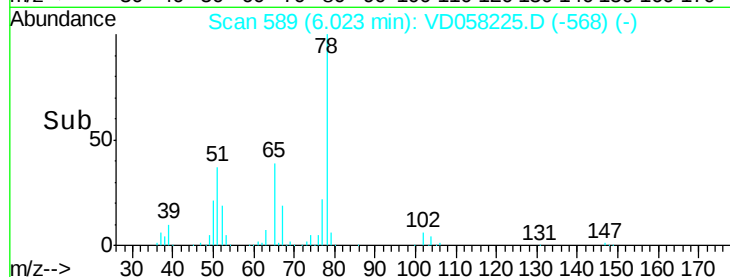
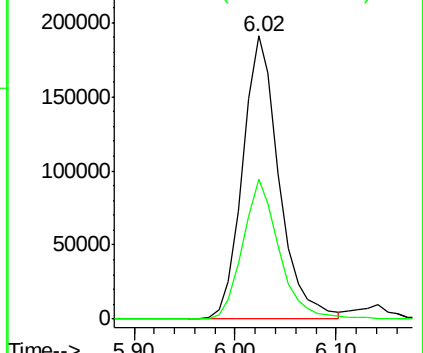
65 100

67 49.5 0.0 97.8



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# 657

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

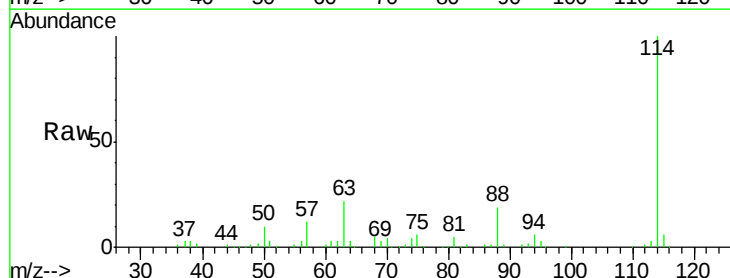
Tgt Ion: 114 Resp: 1135218

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

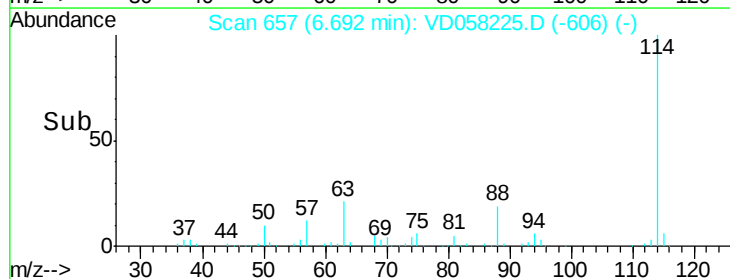
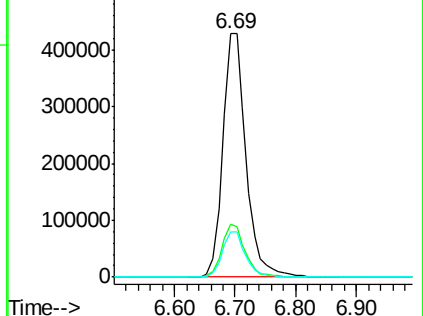
88 18.5 0.0 40.6

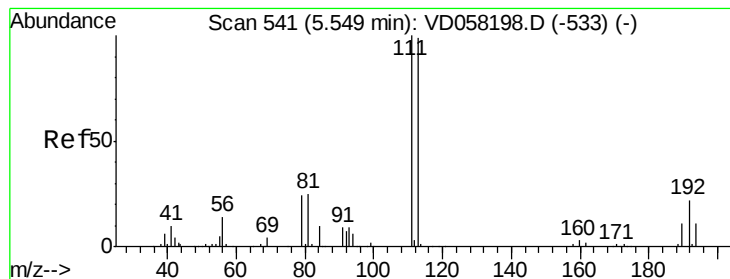


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

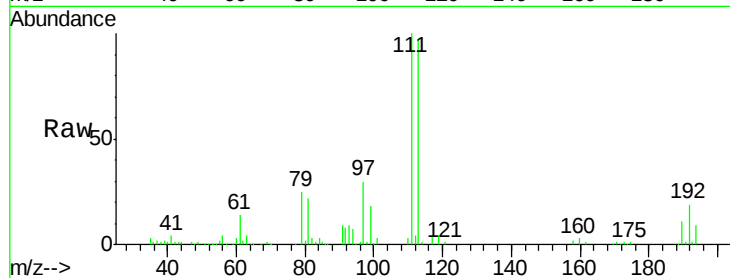
Tot Ion:113 Resp: 510893

Ion Ratio Lower Upper

113 100

111 103.3 80.6 121.0

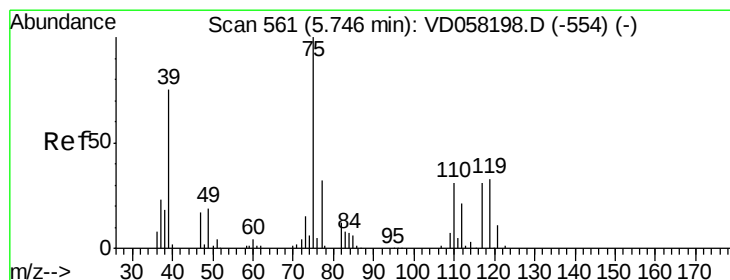
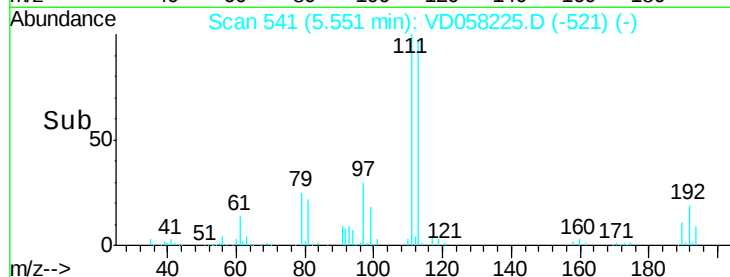
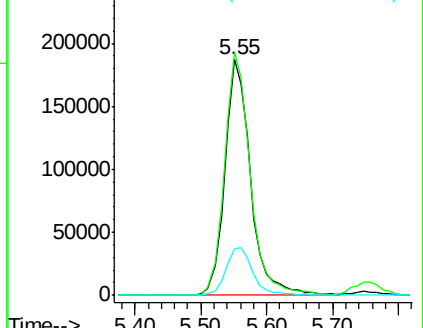
192 20.0 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 47.269 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

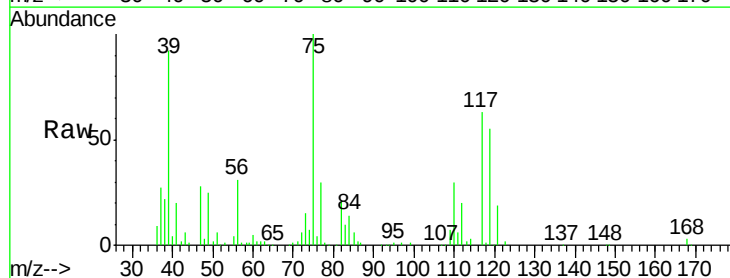
Tgt Ion: 75 Resp: 530846

Ion Ratio Lower Upper

75 100

110 30.4 15.4 46.4

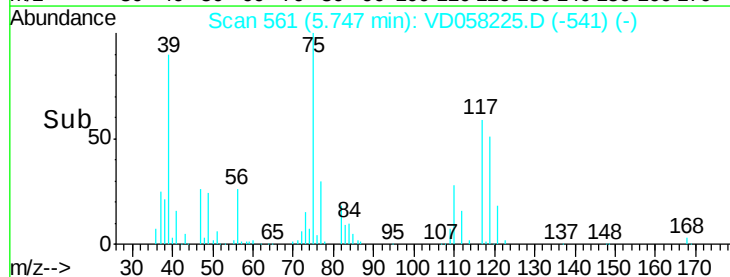
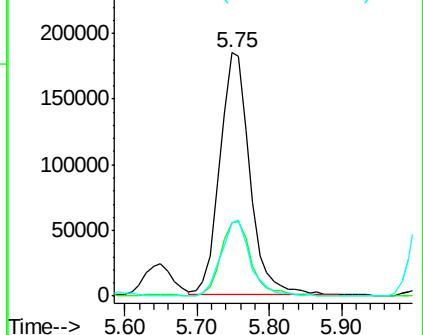
77 30.3 25.4 38.2

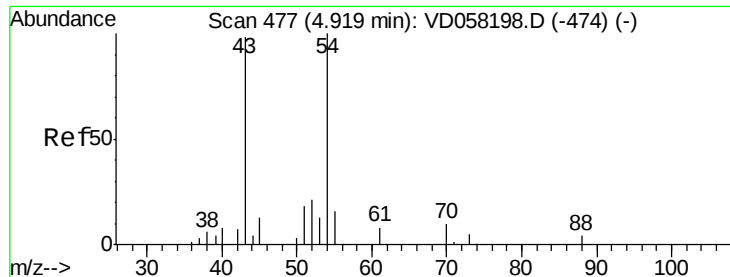


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 49.440 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

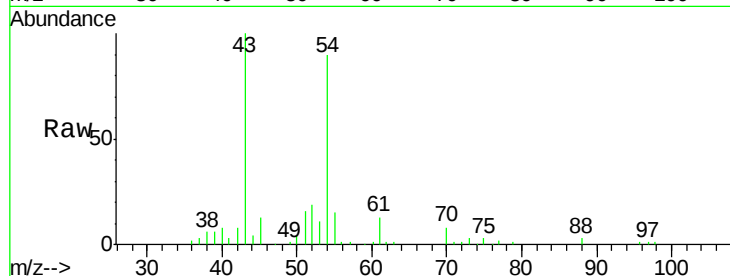
Tot Ion: 43 Resp: 316346

Ion Ratio Lower Upper

43 100

61 13.0 10.3 15.5

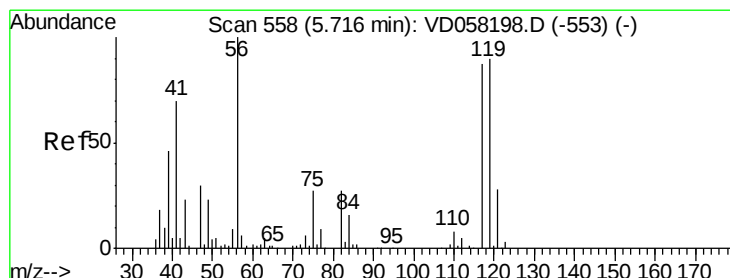
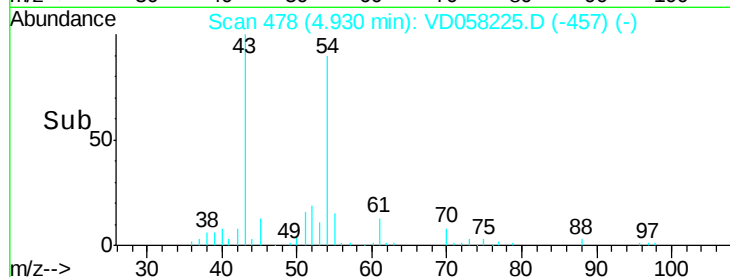
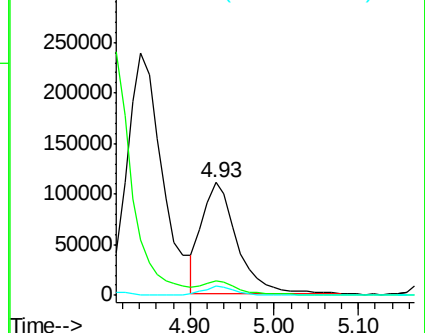
70 7.8 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 50.170 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

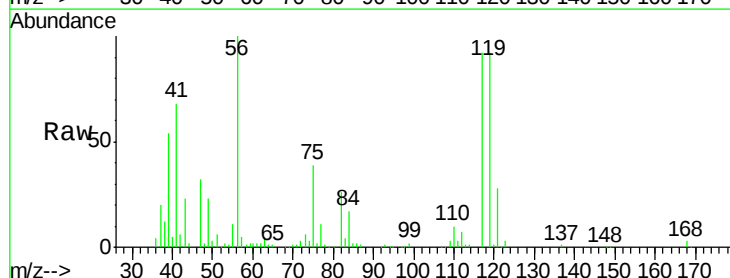
Tgt Ion: 117 Resp: 559827

Ion Ratio Lower Upper

117 100

119 100.5 78.8 118.2

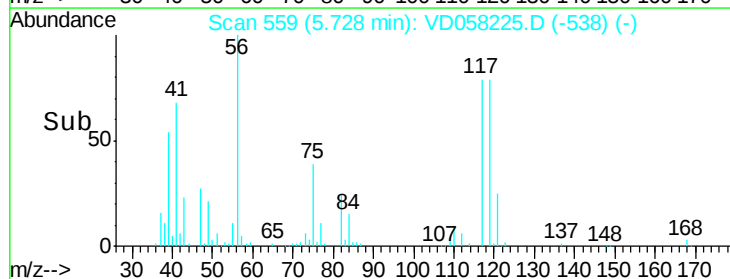
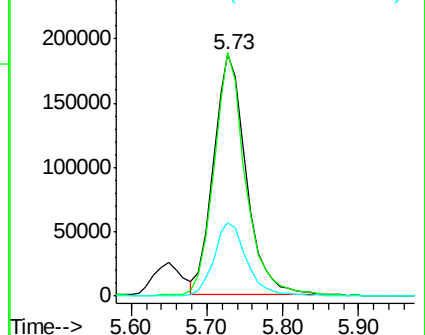
121 30.4 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 51.098 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

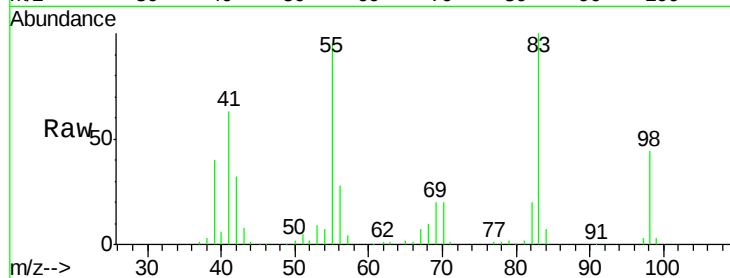
Tot Ion: 83 Resp: 558933

Ion Ratio Lower Upper

83 100

55 95.2 77.4 116.2

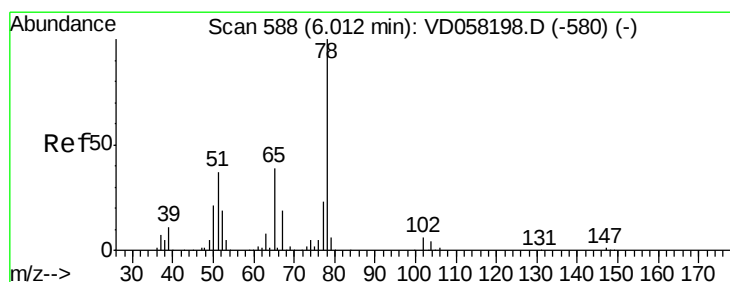
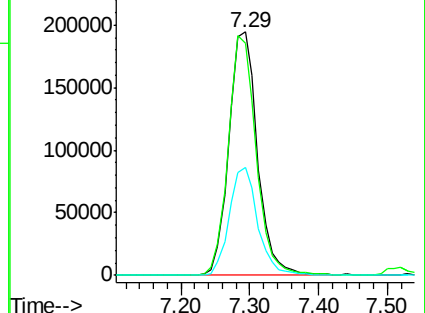
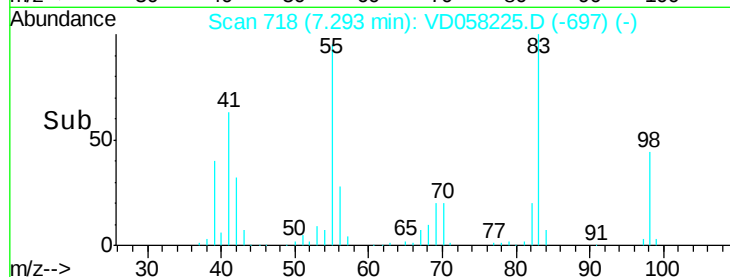
98 44.1 35.9 53.9



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: 50.682 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058225.D

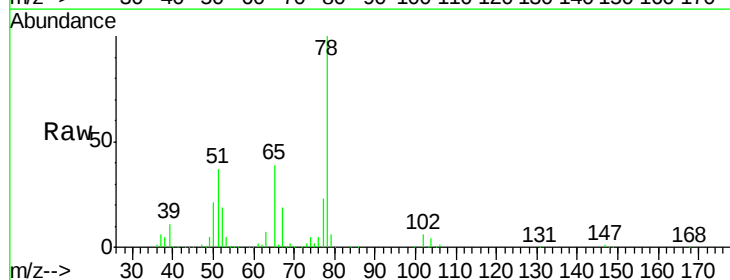
Acq: 20 Jun 2018 23:51

Tgt Ion: 78 Resp: 1355837

Ion Ratio Lower Upper

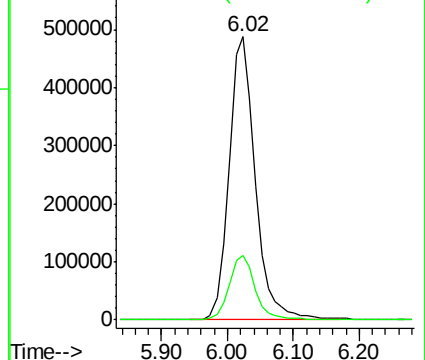
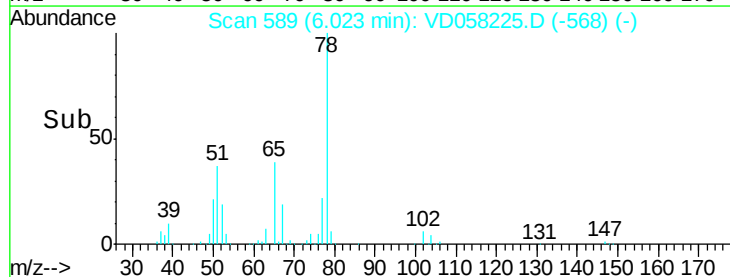
78 100

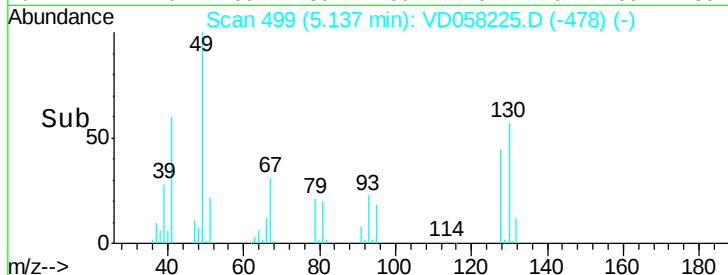
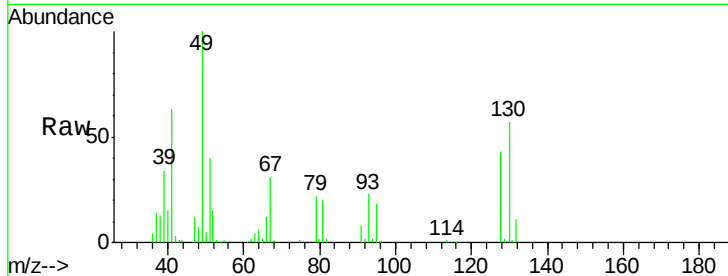
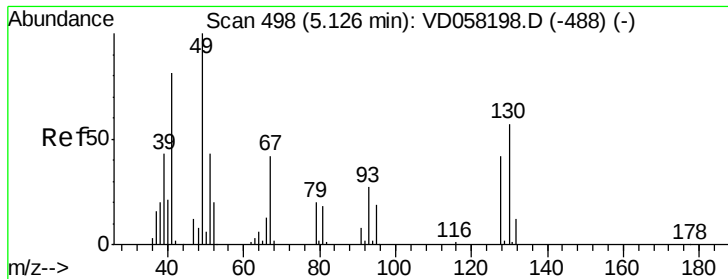
77 23.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

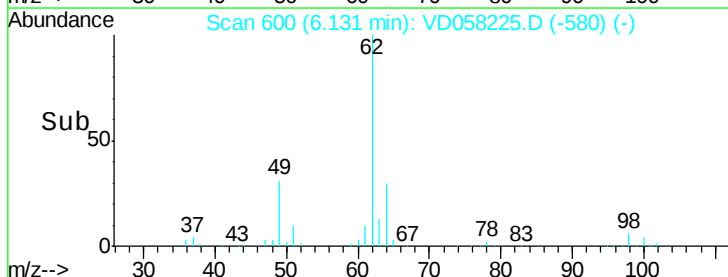
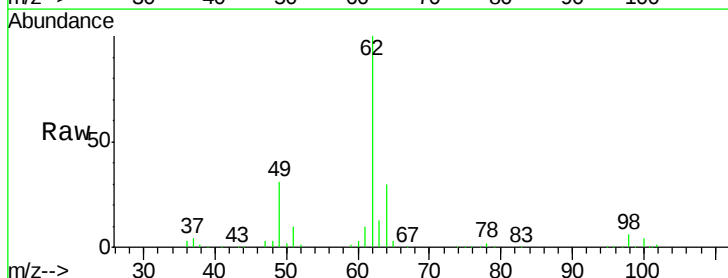
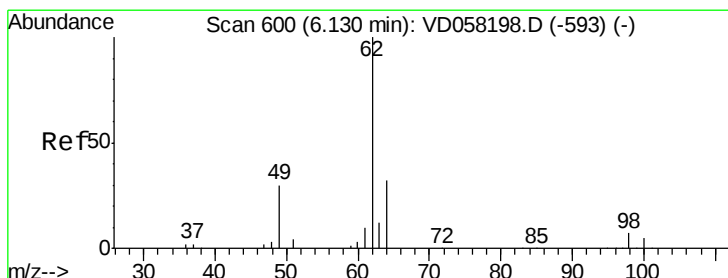
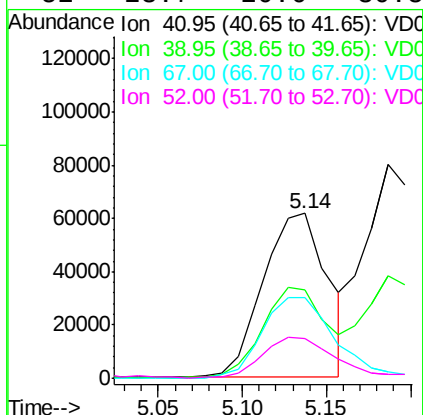




#41
Methacrylonitrile
Concen: 53.162 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

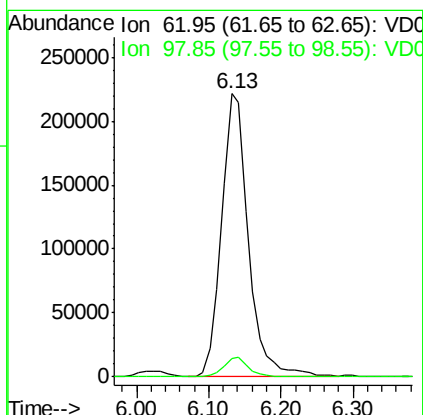
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

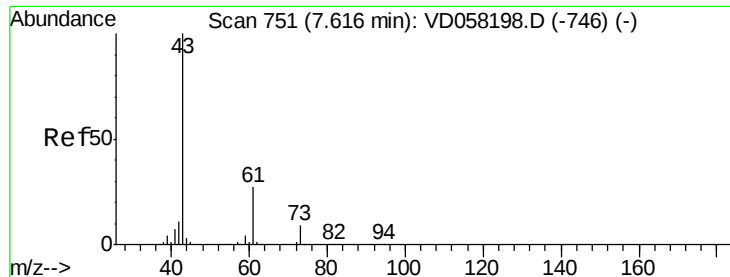
Tot Ion: 41 Resp: 164259
Ion Ratio Lower Upper
41 100
39 53.6 43.4 65.2
67 48.9 41.7 62.5
52 23.7 20.6 30.8



#42
1,2-Dichloroethane
Concen: 52.439 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 62 Resp: 565643
Ion Ratio Lower Upper
62 100
98 6.5 0.0 13.2



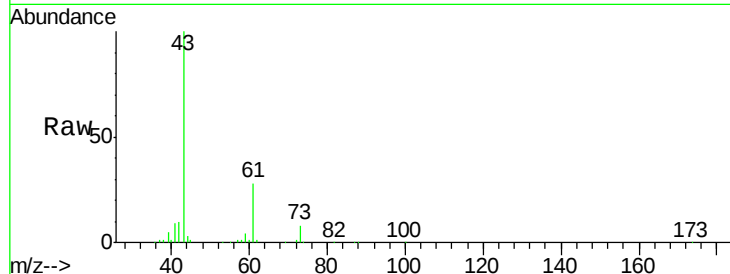


#43

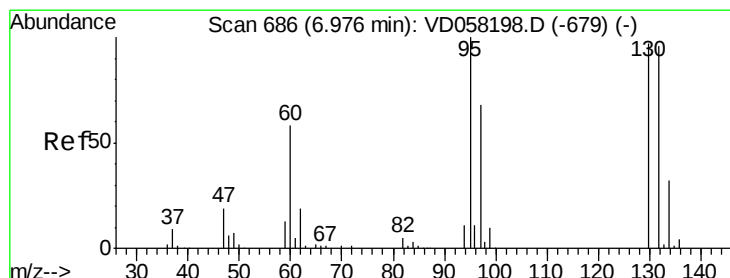
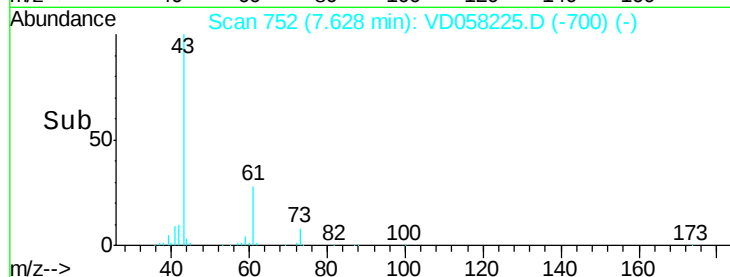
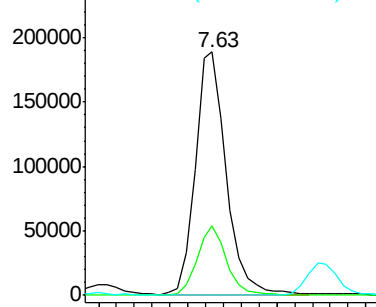
Isopropyl Acetate
 Concen: 53.182 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 453675
 Ion Ratio Lower Upper
 43 100
 61 28.3 21.8 32.6
 87 0.4 0.3 0.5



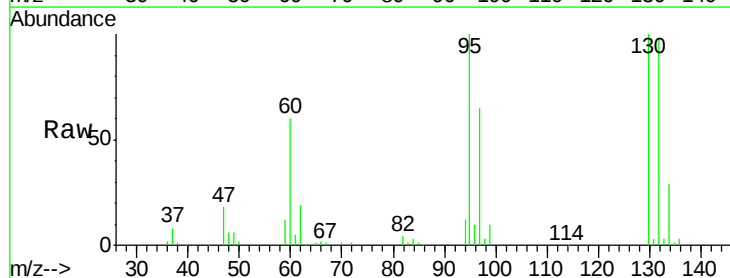
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



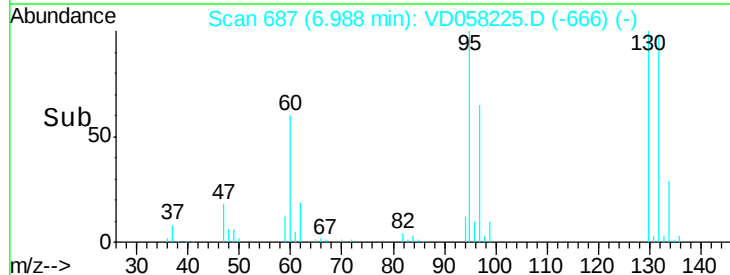
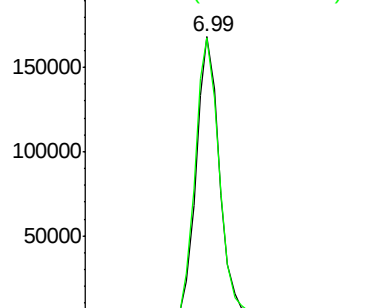
#44

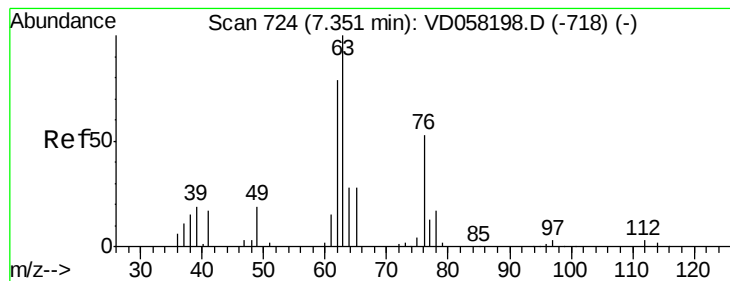
Trichloroethene
 Concen: 50.227 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Tgt Ion: 130 Resp: 403474
 Ion Ratio Lower Upper
 130 100
 95 99.5 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.359 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

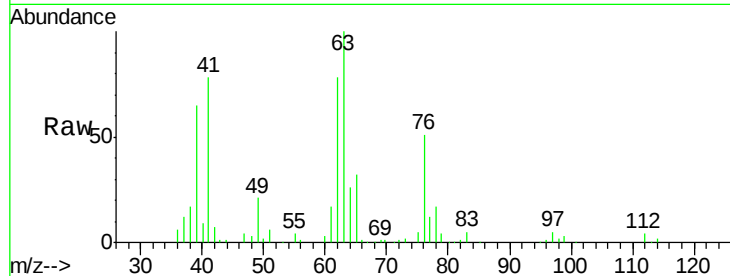
VSTDCCC050

Tot Ion: 63 Resp: 377223

Ion Ratio Lower Upper

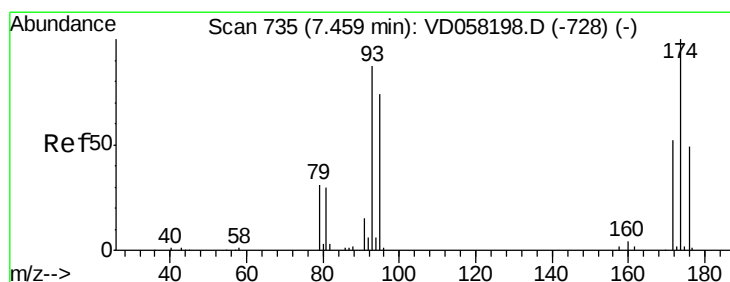
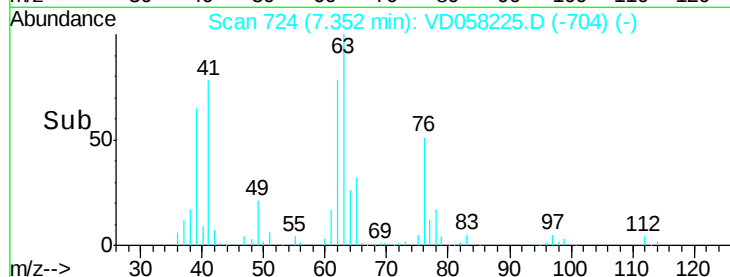
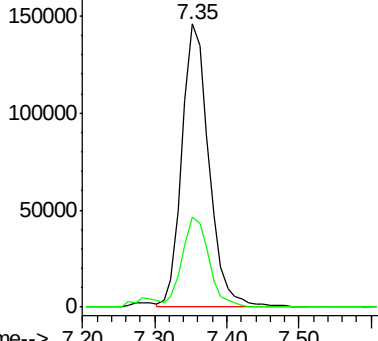
63 100

65 31.9 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.478 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

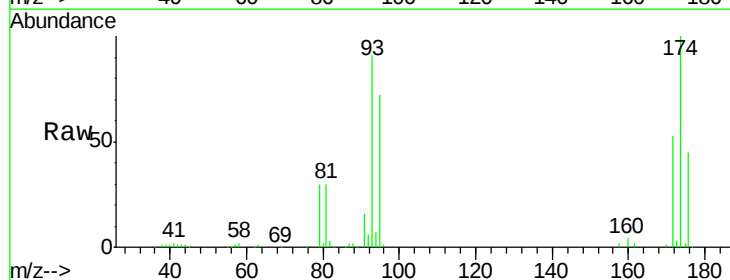
Tgt Ion: 93 Resp: 263019

Ion Ratio Lower Upper

93 100

95 79.5 67.8 101.6

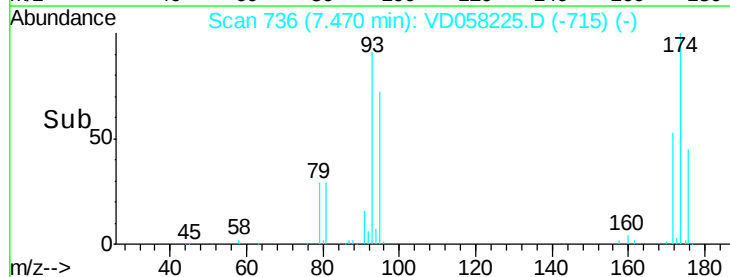
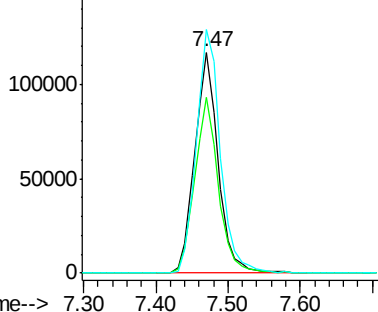
174 110.3 92.2 138.2

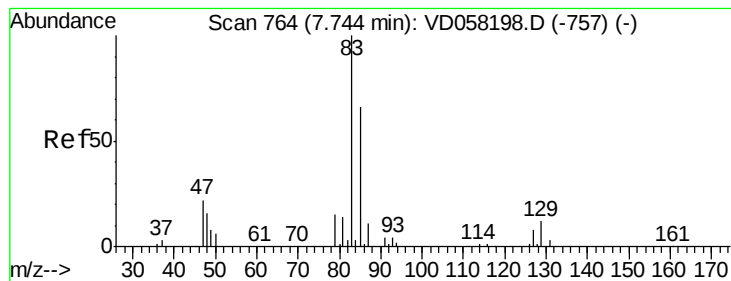


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 52.999 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

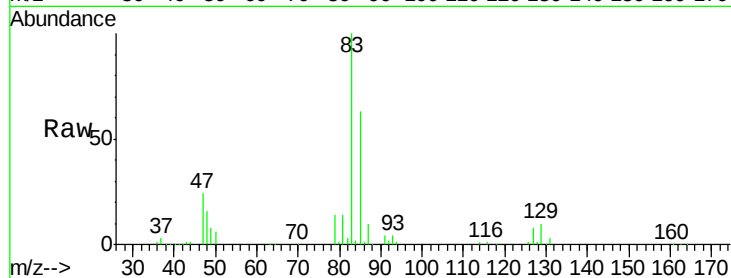
Tot Ion: 83 Resp: 594408

Ion Ratio Lower Upper

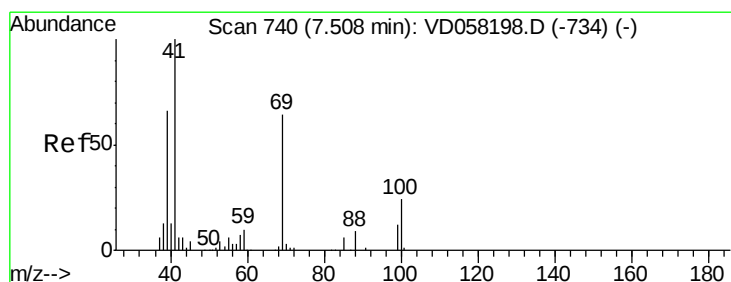
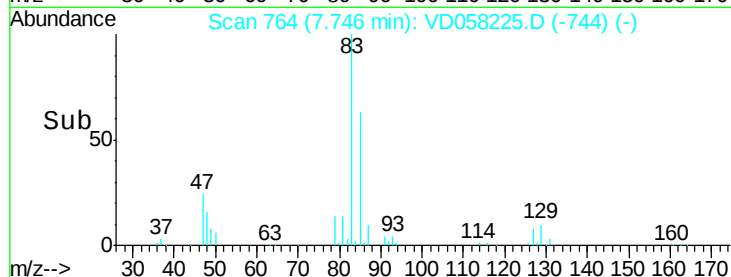
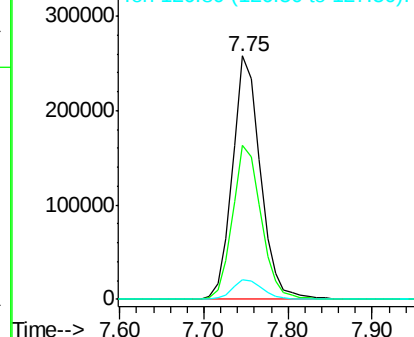
83 100

85 63.4 52.6 78.8

127 8.3 6.2 9.4



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



#48

Methyl methacrylate

Concen: 51.388 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

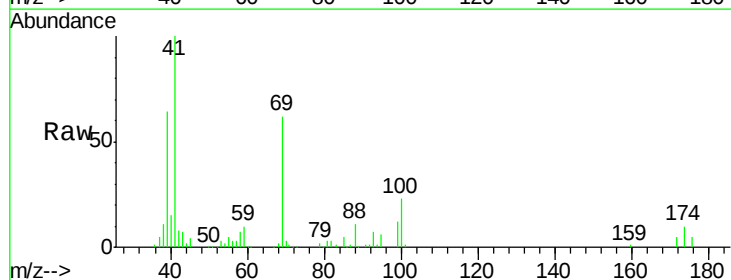
Tgt Ion: 41 Resp: 266428

Ion Ratio Lower Upper

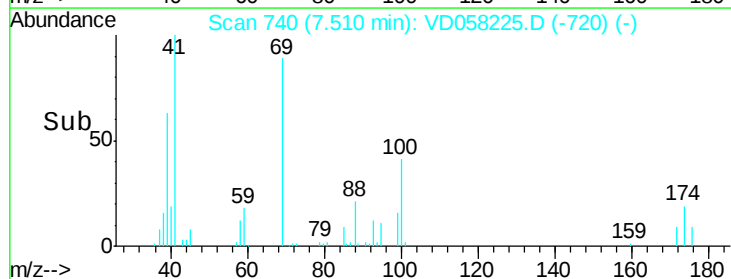
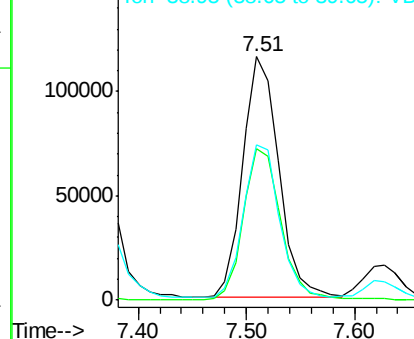
41 100

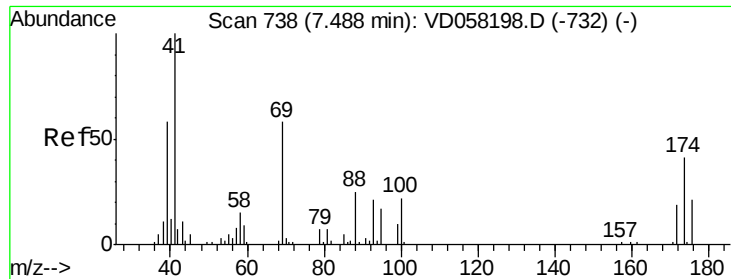
69 62.2 50.7 76.1

39 63.9 52.6 78.8



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

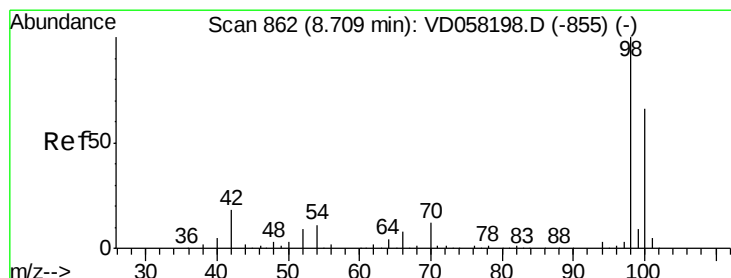
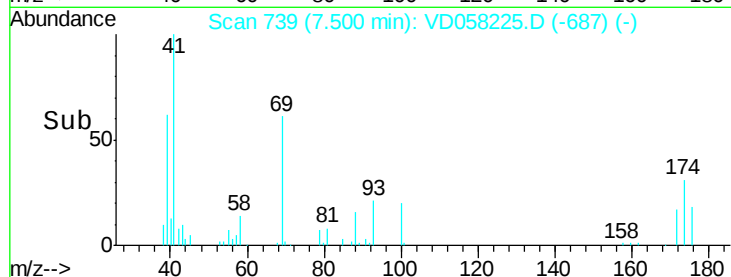
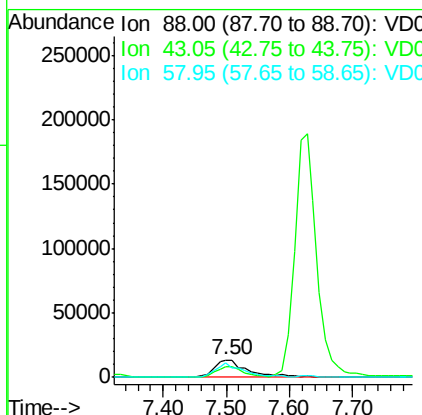
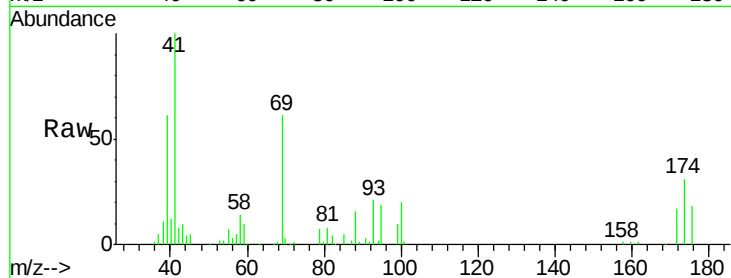




#49
1,4-Dioxane
Concen: 1069.617 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

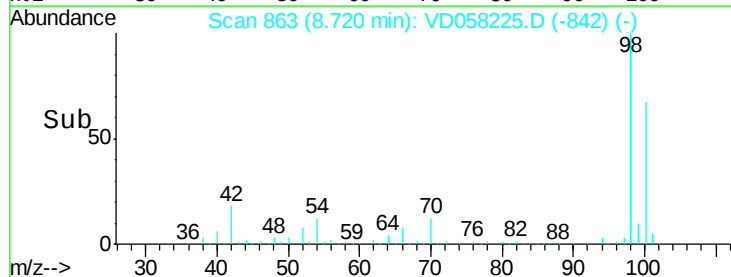
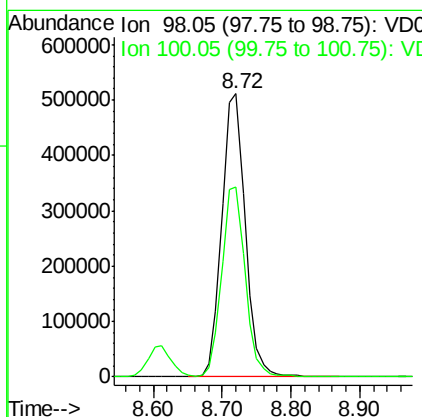
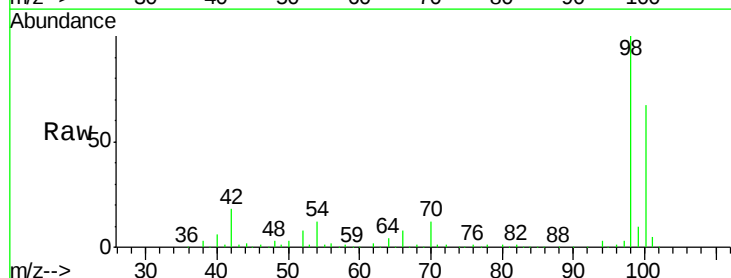
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 50059
Ion Ratio Lower Upper
88 100
43 59.8 34.2 51.2#
58 82.7 47.9 71.9#



#50
Toluene-d8
Concen: 1069.617 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 98 Resp: 1210293
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 269.275 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

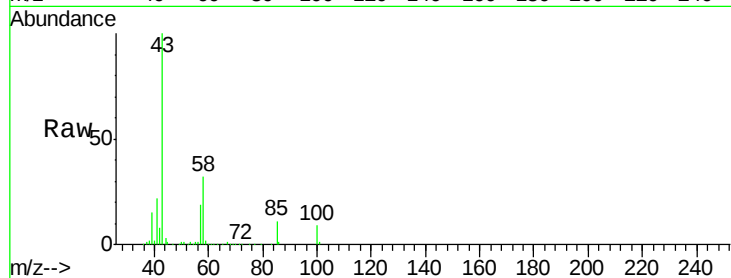
VSTDCCC050

Tot Ion: 43 Resp: 1498323

Ion Ratio Lower Upper

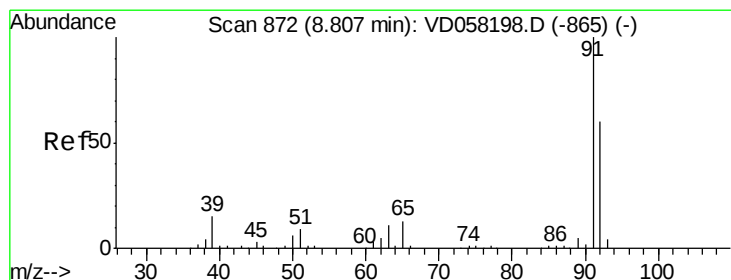
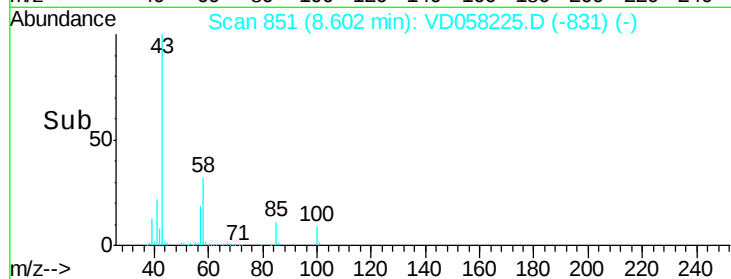
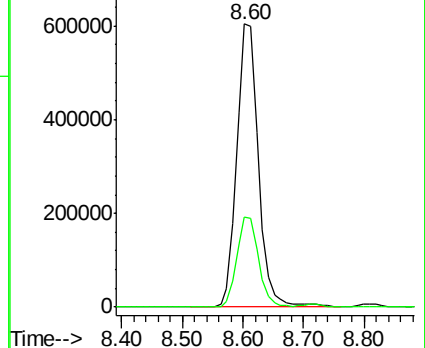
43 100

58 31.8 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.505 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058225.D

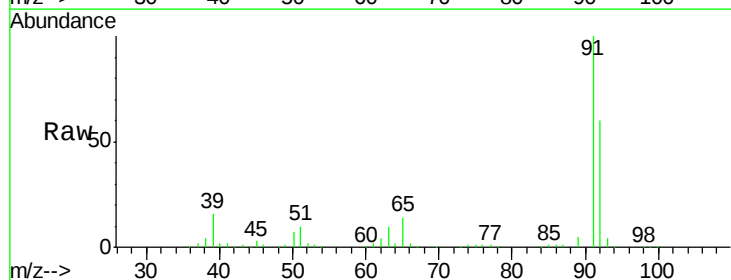
Acq: 20 Jun 2018 23:51

Tgt Ion: 92 Resp: 784554

Ion Ratio Lower Upper

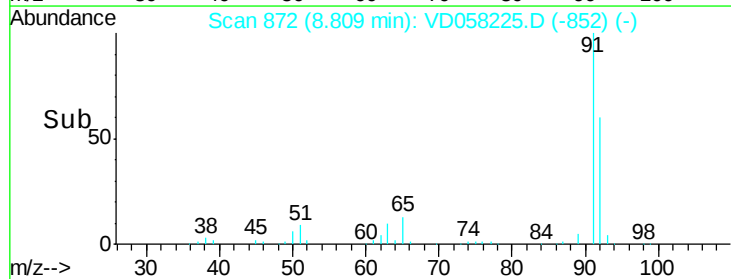
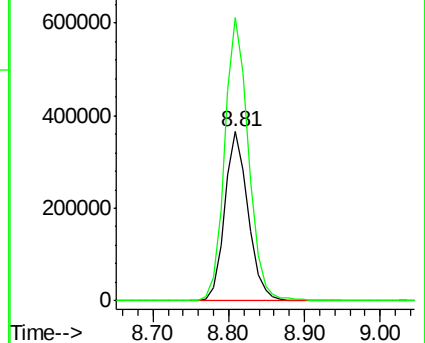
92 100

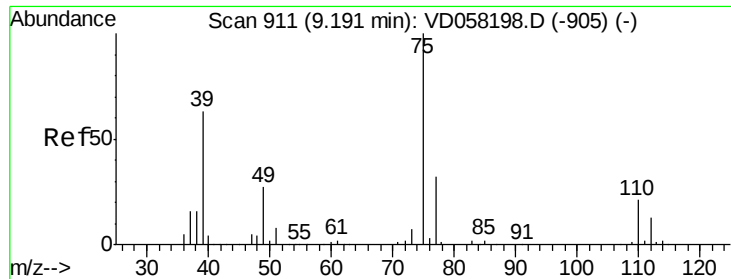
91 167.2 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

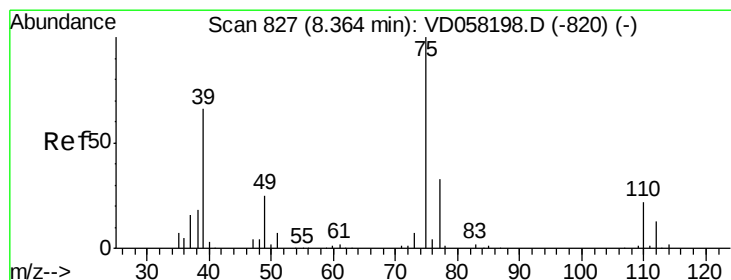
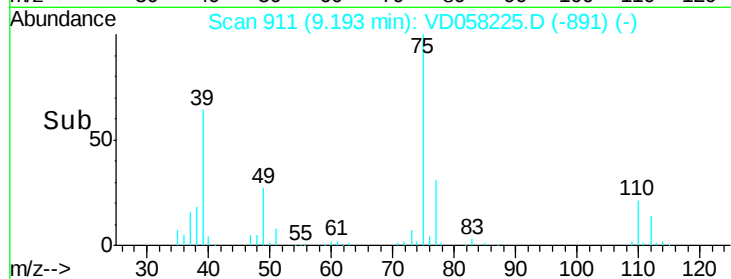
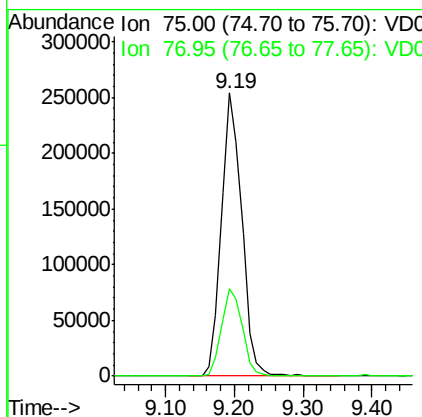
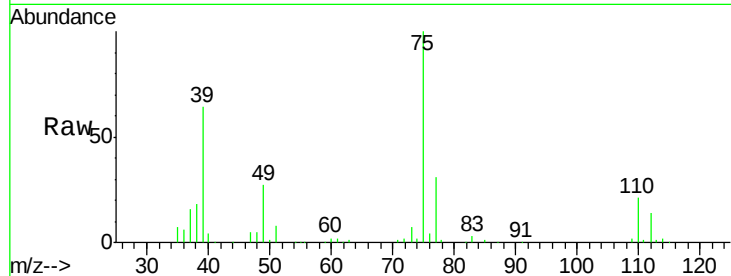




#53
 t-1,3-Dichloropropene
 Concen: 53.767 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

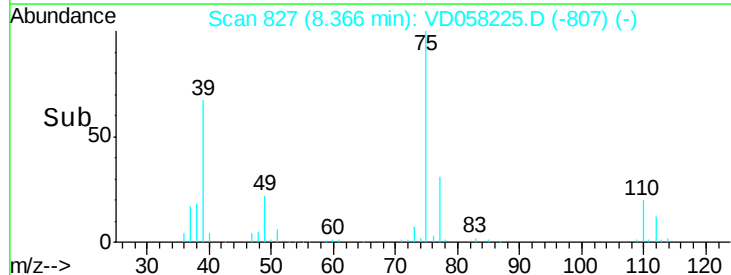
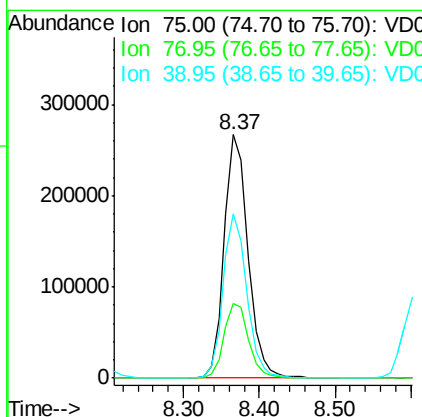
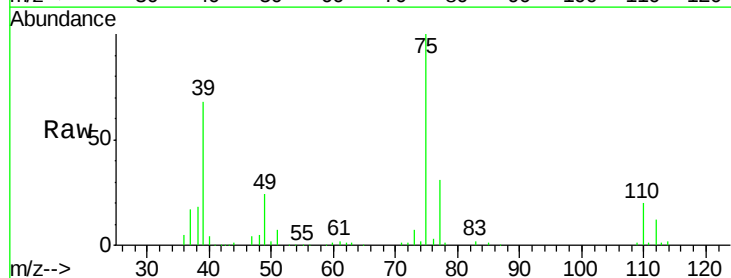
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

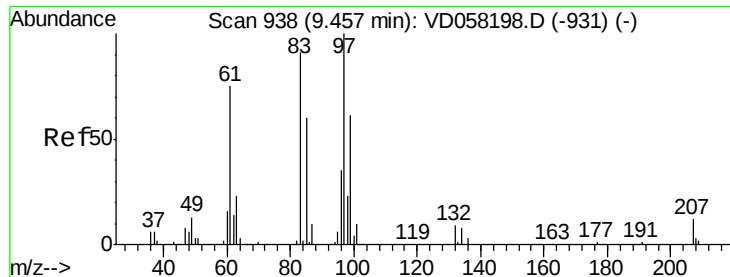
Tot Ion: 75 Resp: 524281
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.991 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Tgt Ion: 75 Resp: 582905
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.5 39.7
 39 67.6 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 52.717 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 284109

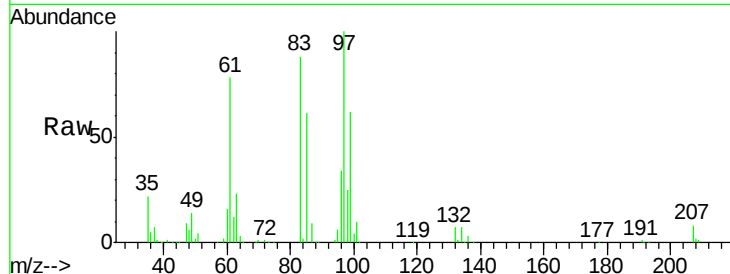
Ion Ratio Lower Upper

97 100

83 88.3 72.9 109.3

85 60.6 48.2 72.4

99 61.7 48.9 73.3

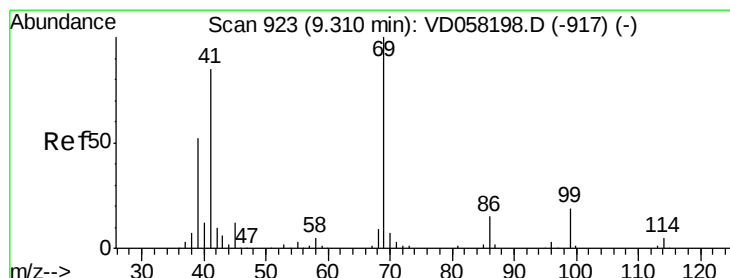
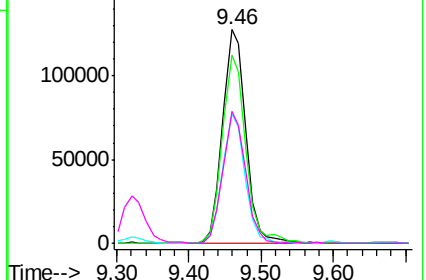
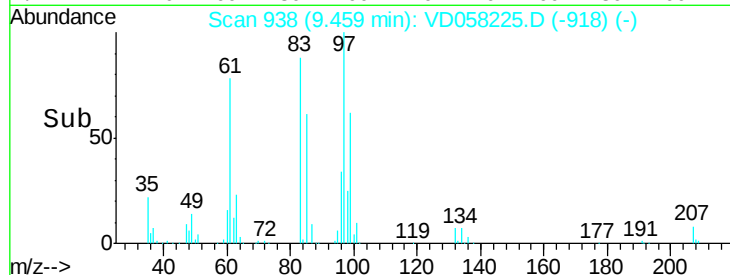


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 51.824 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

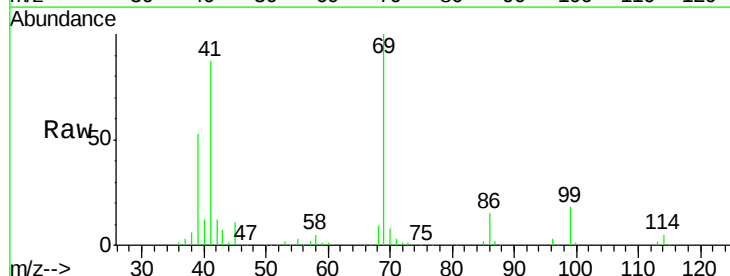
Tgt Ion: 69 Resp: 334020

Ion Ratio Lower Upper

69 100

41 86.9 67.6 101.4

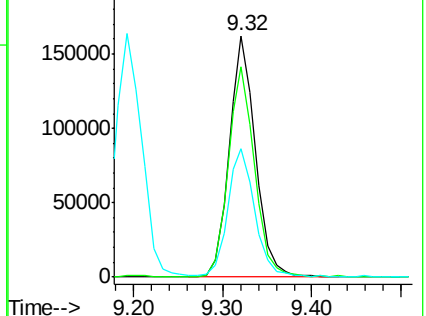
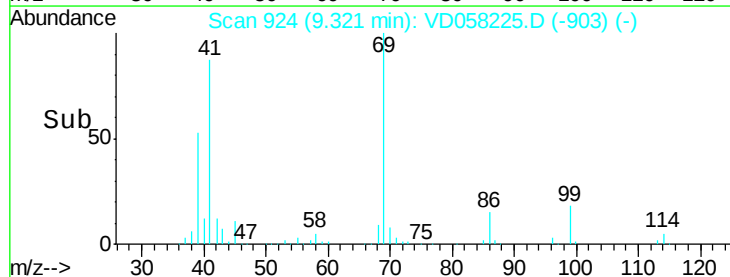
39 53.5 42.2 63.2

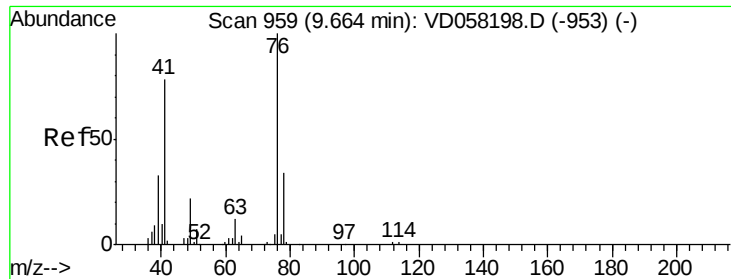


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.952 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

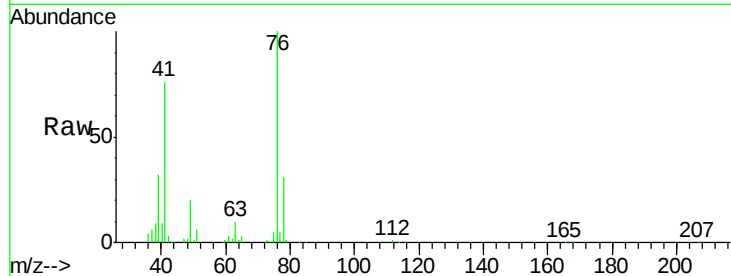
VSTDCCC050

Tot Ion: 76 Resp: 462550

Ion Ratio Lower Upper

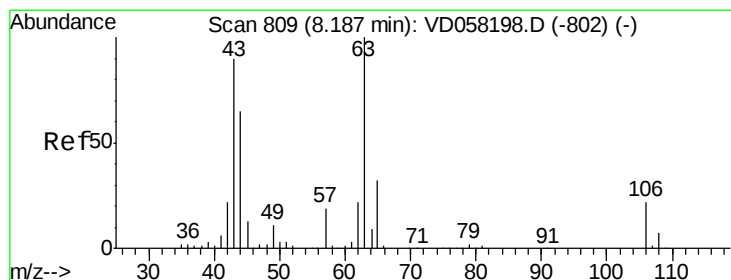
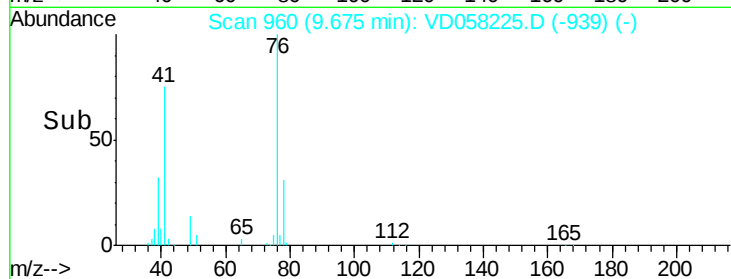
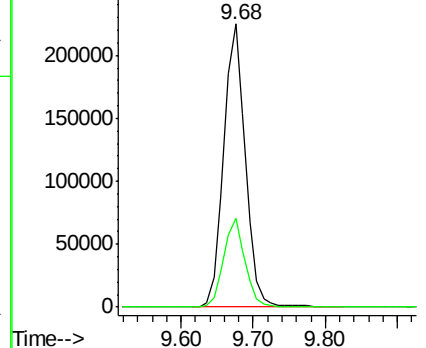
76 100

78 31.4 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 258.009 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058225.D

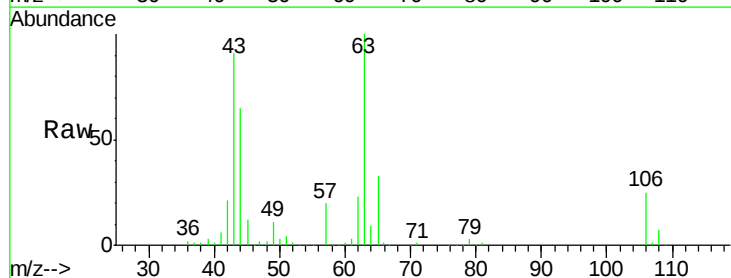
Acq: 20 Jun 2018 23:51

Tgt Ion: 63 Resp: 823252

Ion Ratio Lower Upper

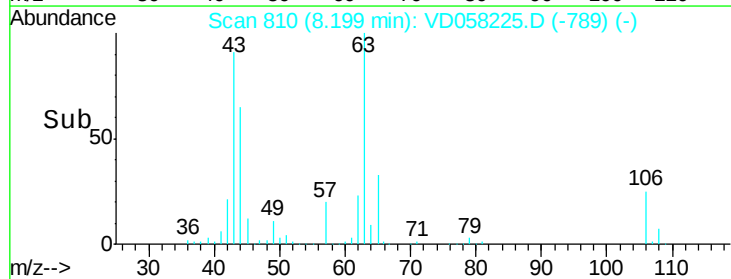
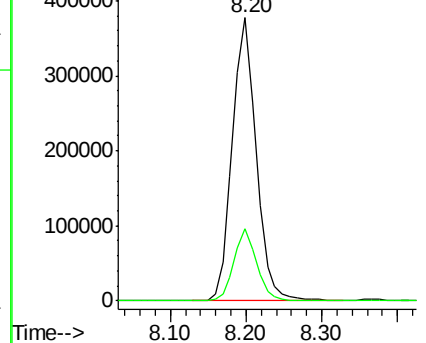
63 100

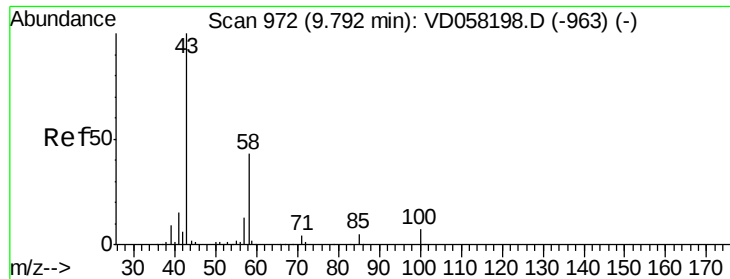
106 25.3 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

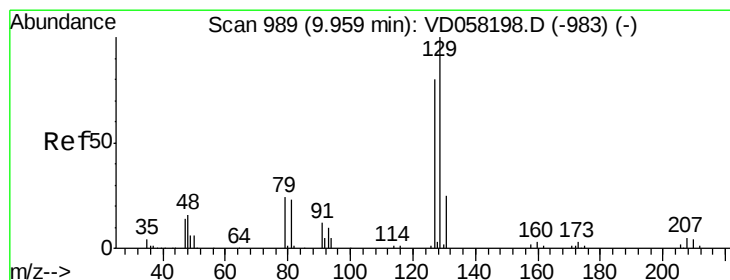
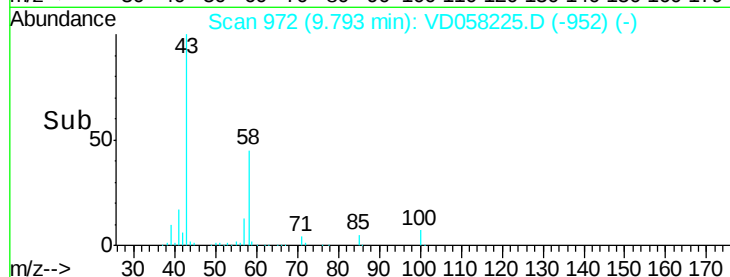
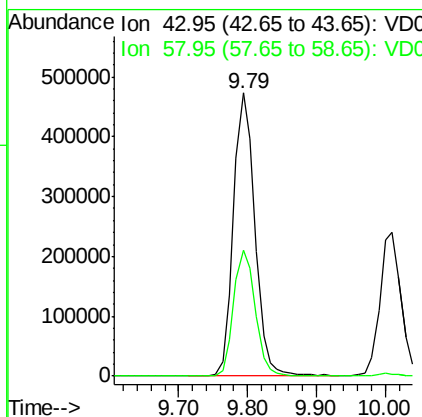
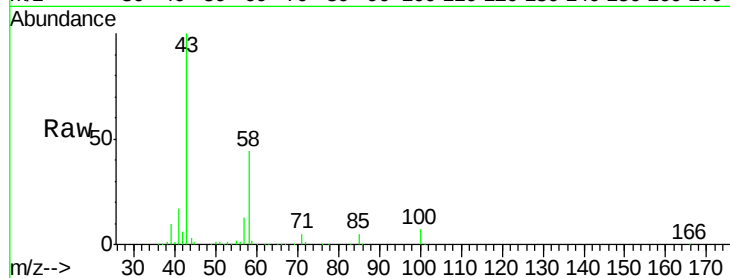




#59
2-Hexanone
Concen: 255.065 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

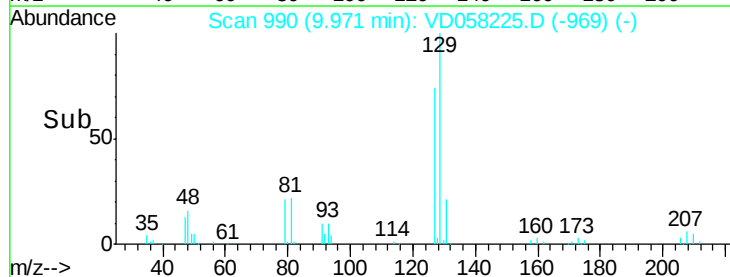
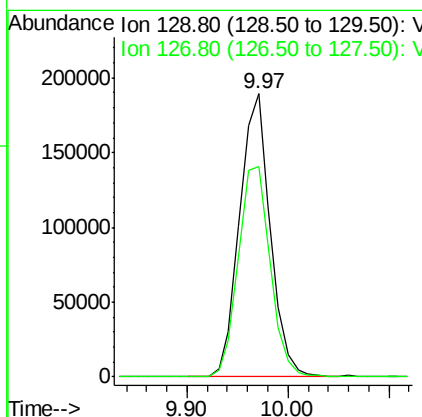
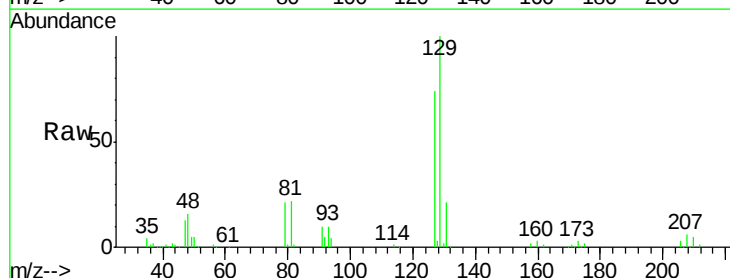
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1025527
Ion Ratio Lower Upper
43 100
58 44.5 21.7 65.1



#60
Dibromochloromethane
Concen: 54.924 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 129 Resp: 401713
Ion Ratio Lower Upper
129 100
127 74.2 39.8 119.4





#61

1,2-Dibromoethane

Concen: 53.294 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

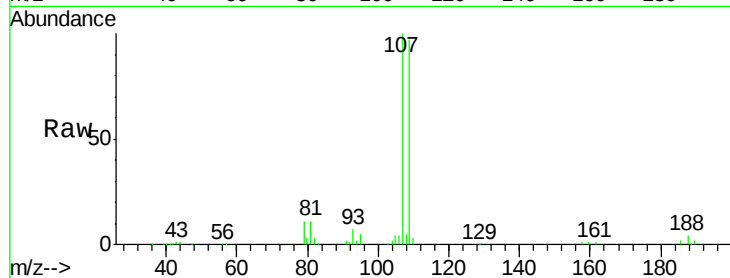
VSTDCCC050

Tot Ion: 107 Resp: 314362

Ion Ratio Lower Upper

107 100

109 96.6 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

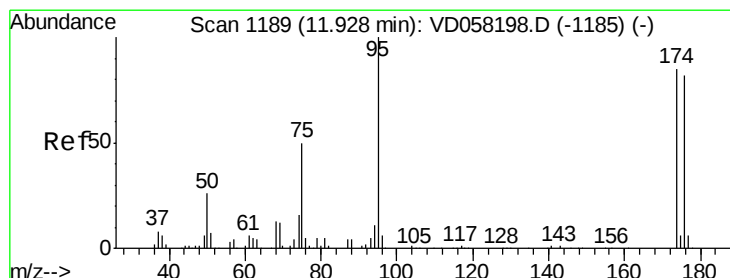
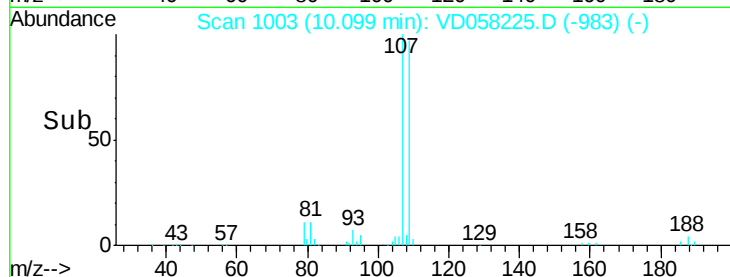
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.294 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

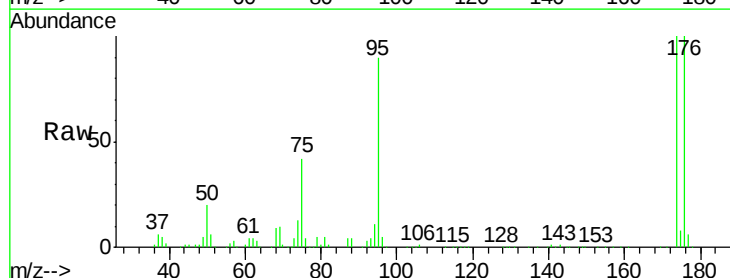
Tgt Ion: 95 Resp: 507097

Ion Ratio Lower Upper

95 100

174 110.9 0.0 170.2

176 110.8 0.0 164.6



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

11.94

500000

400000

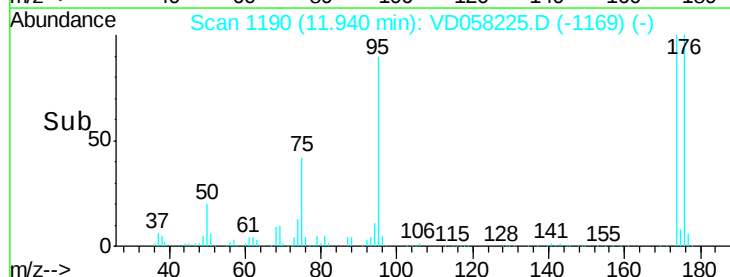
300000

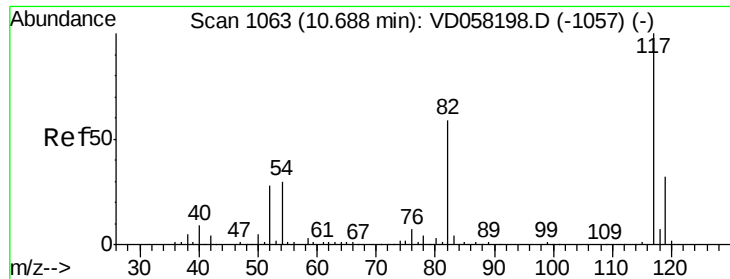
200000

100000

0

Time-->

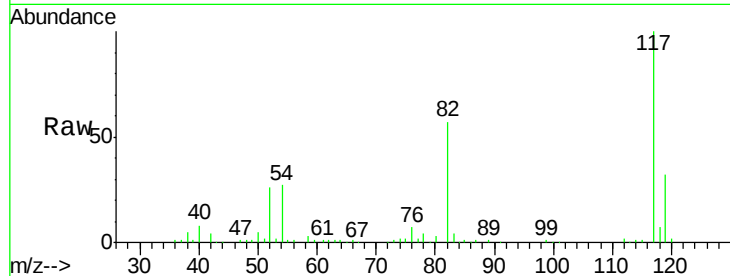




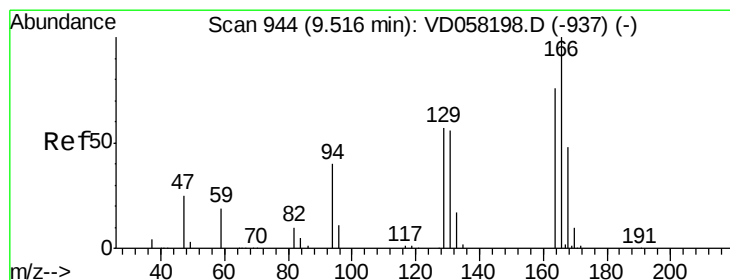
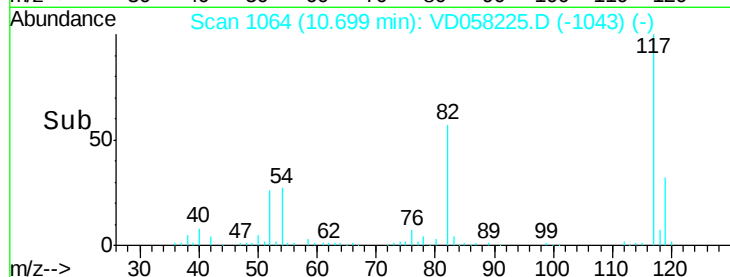
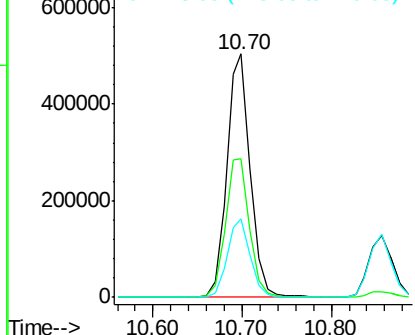
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 926872
Ion Ratio Lower Upper
117 100
82 57.2 47.0 70.6
119 32.4 25.3 37.9

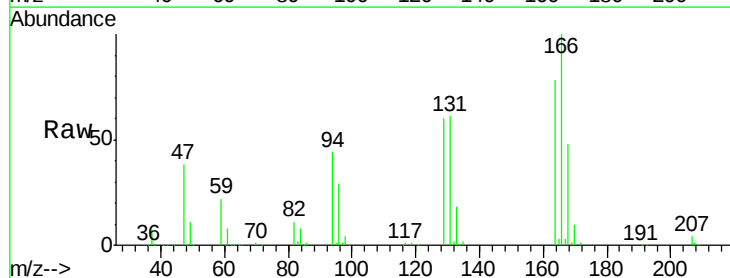


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

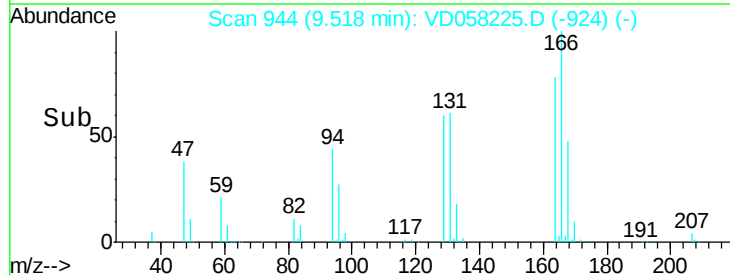
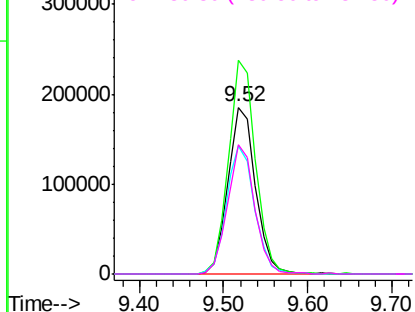


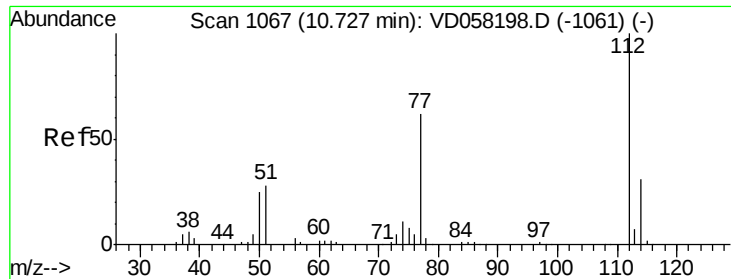
#64
Tetrachloroethene
Concen: 53.925 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion:164 Resp: 420552
Ion Ratio Lower Upper
164 100
166 128.0 105.4 158.0
129 76.7 59.6 89.4
131 77.7 59.4 89.2



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

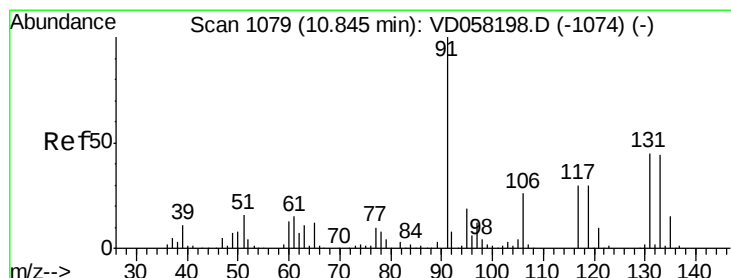
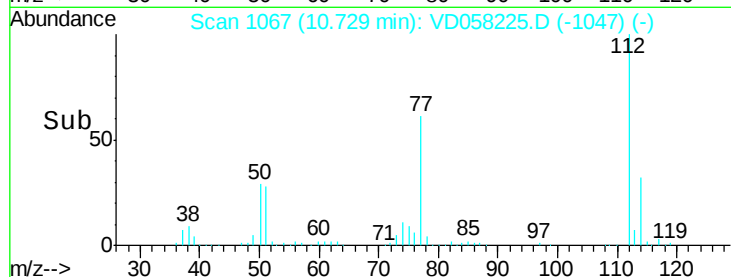
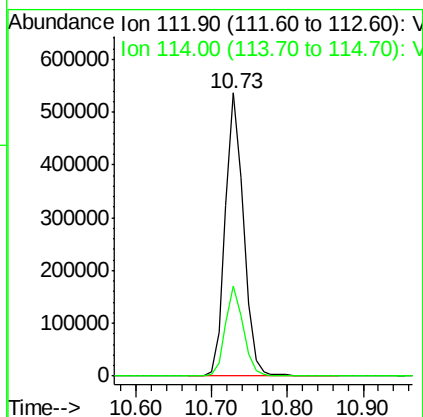
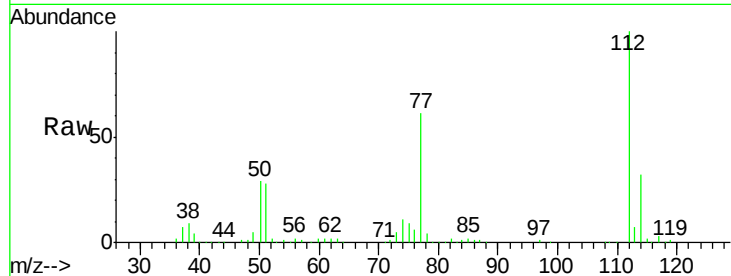




#65
Chlorobenzene
Concen: 51.829 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

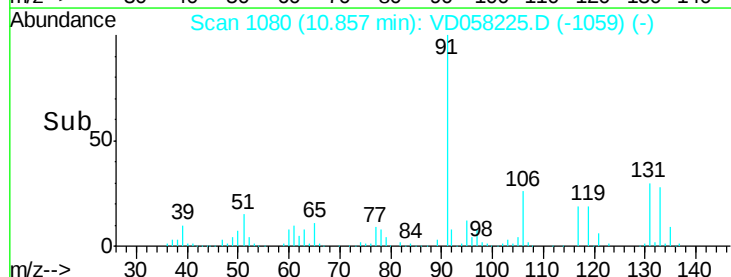
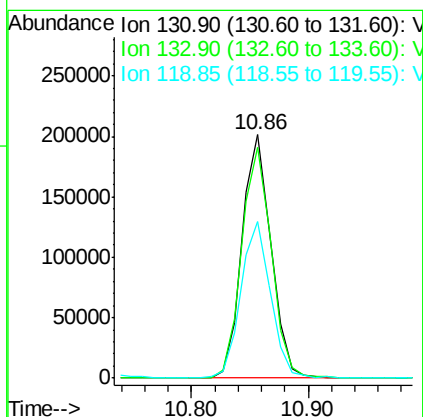
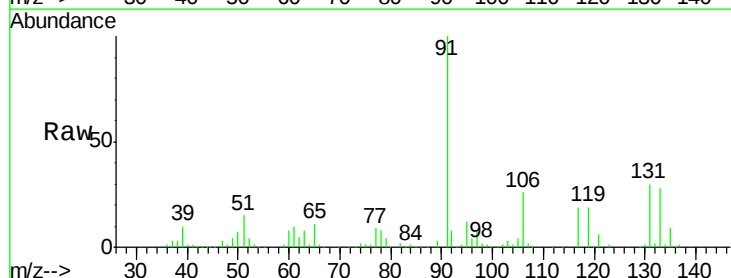
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 898592
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.972 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion:131 Resp: 347733
Ion Ratio Lower Upper
131 100
133 95.0 48.6 145.9
119 64.4 33.0 99.0

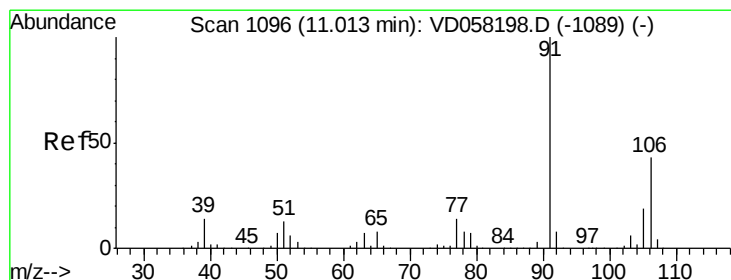
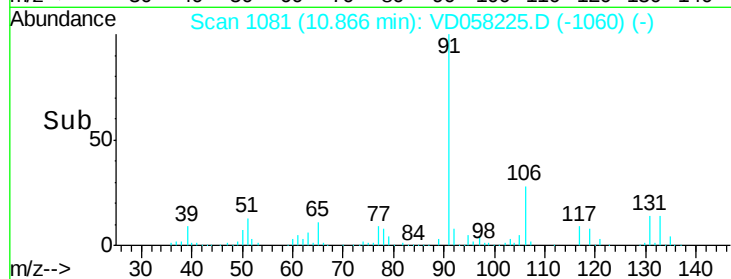
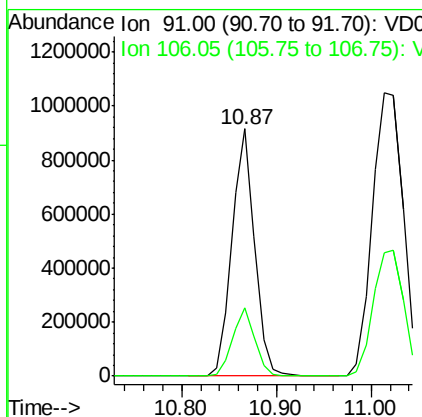
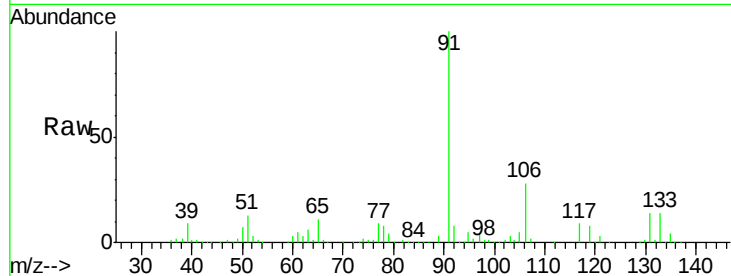




#67
Ethyl Benzene
Concen: 49.655 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

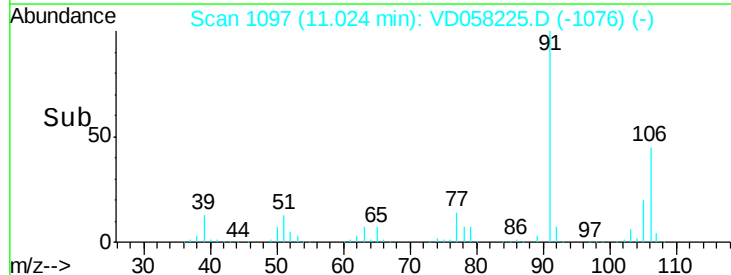
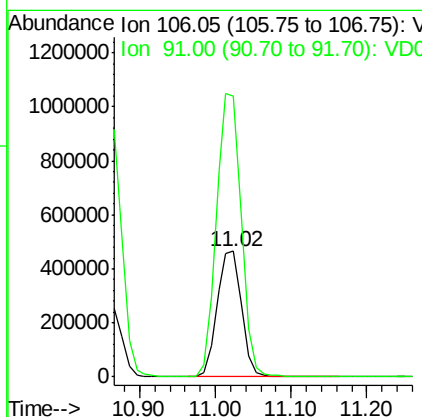
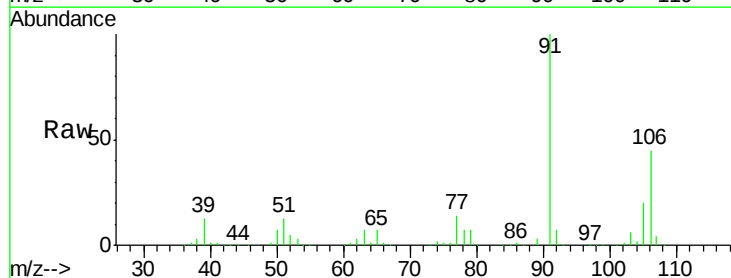
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

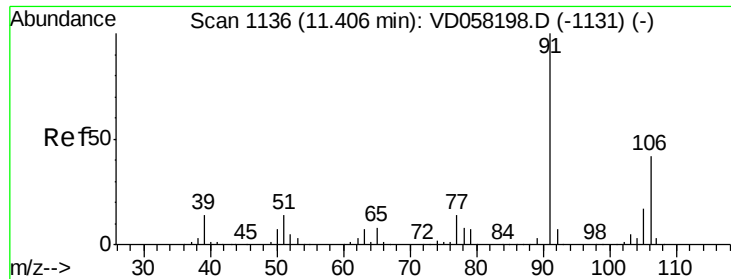
Tot Ion: 91 Resp: 1519856
Ion Ratio Lower Upper
91 100
106 27.6 22.0 33.0



#68
m/p-Xylenes
Concen: 102.297 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion: 106 Resp: 1044177
Ion Ratio Lower Upper
106 100
91 223.8 185.0 277.6

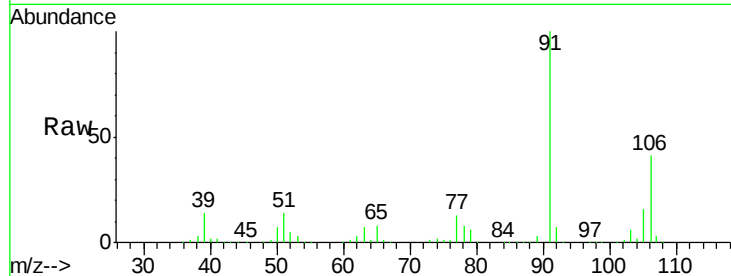




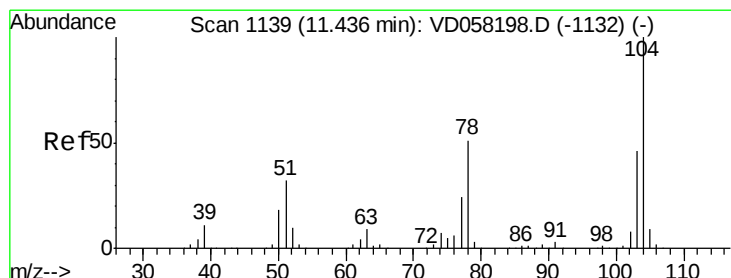
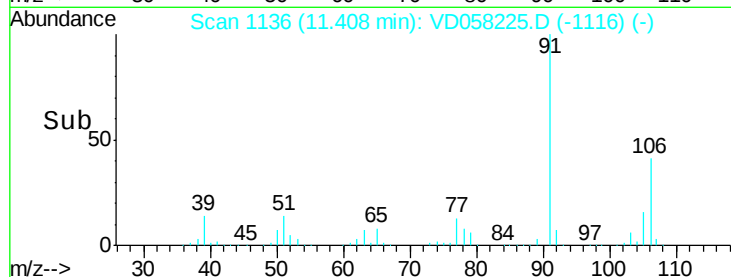
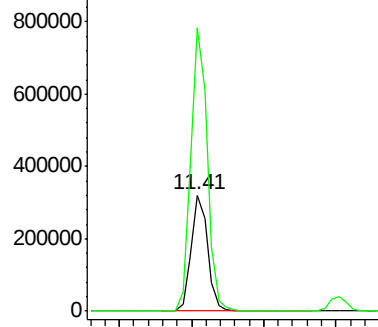
#69
o-Xylene
Concen: 51.410 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 501200
Ion Ratio Lower Upper
106 100
91 243.5 120.2 360.6

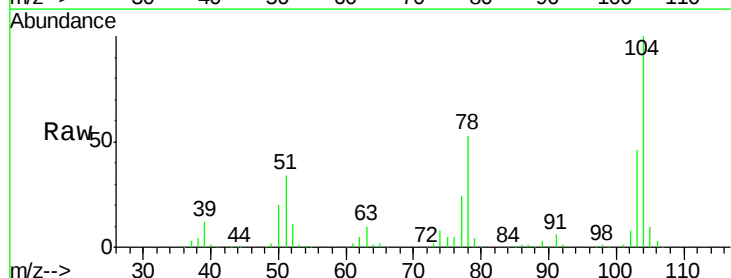


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

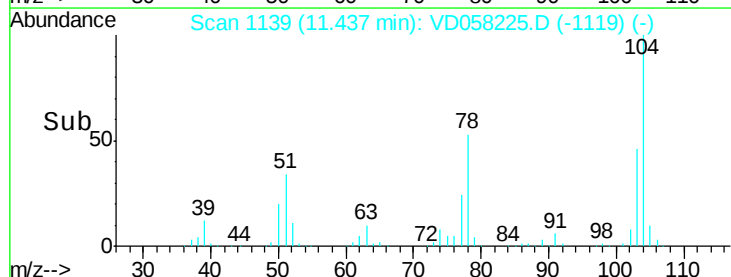
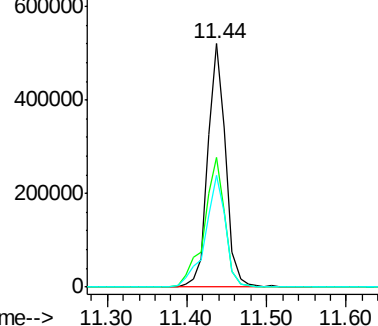


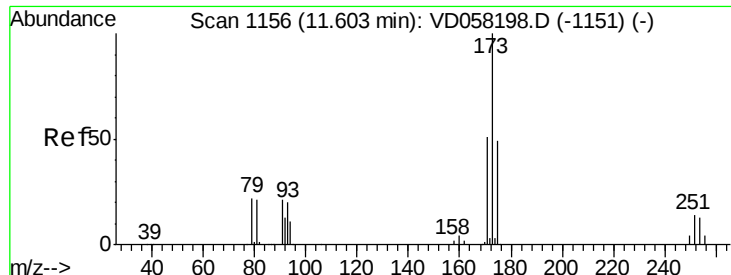
#70
Styrene
Concen: 49.170 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion:104 Resp: 817990
Ion Ratio Lower Upper
104 100
78 53.4 40.8 61.2
103 45.9 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: 55.280 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

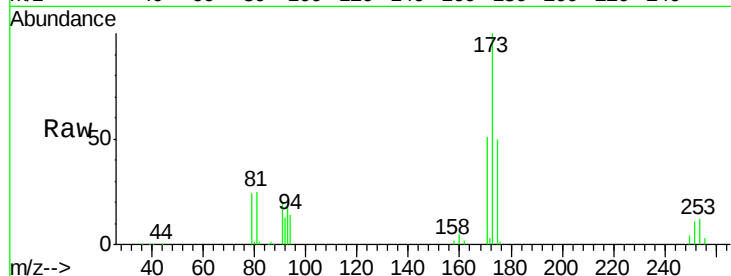
Tot Ion:173 Resp: 295048

Ion Ratio Lower Upper

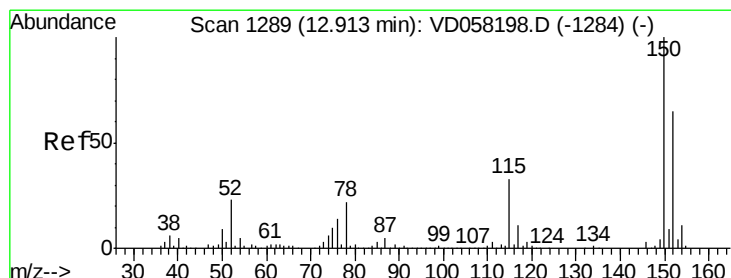
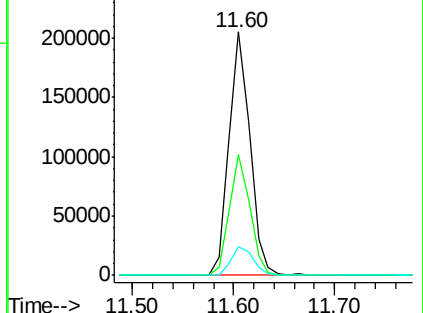
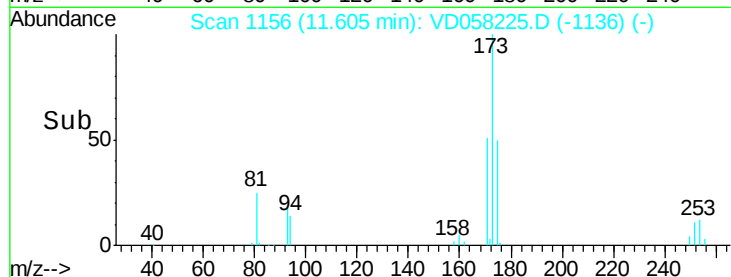
173 100

175 49.6 24.6 74.0

254 11.9 10.3 15.5



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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

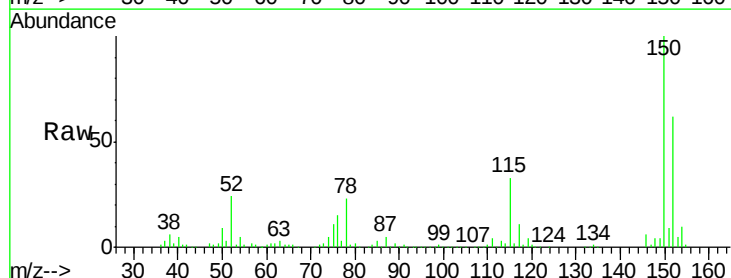
Tgt Ion:152 Resp: 474523

Ion Ratio Lower Upper

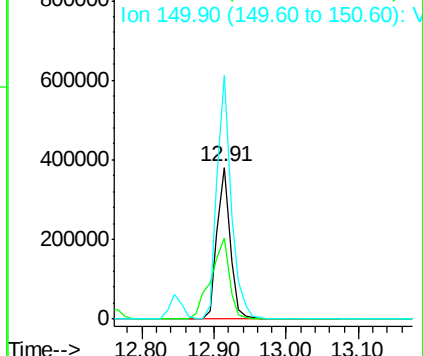
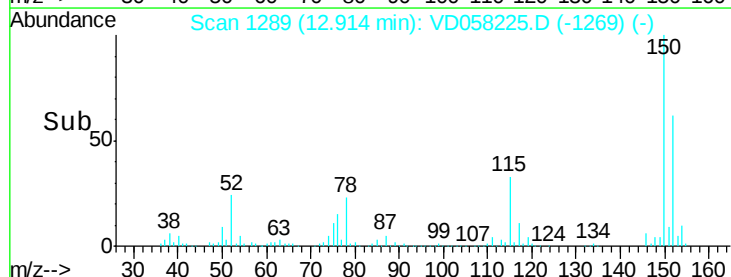
152 100

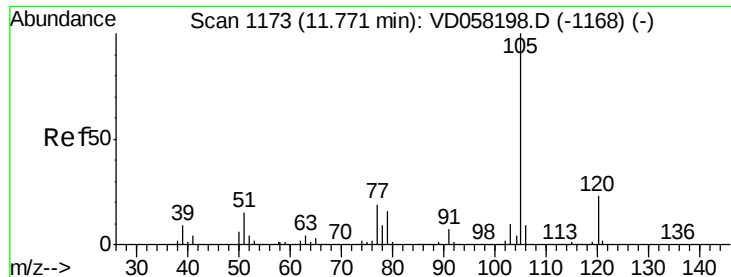
115 53.5 25.1 75.3

150 160.2 0.0 308.8



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: 49.664 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

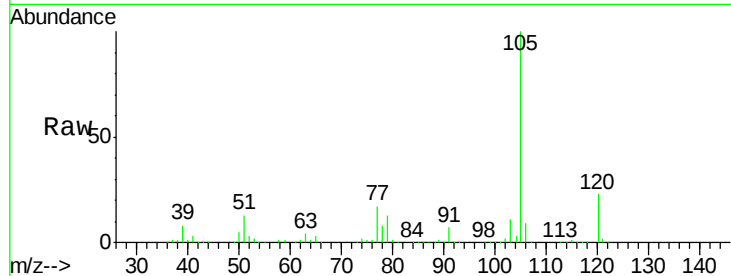
VSTDCCC050

Tot Ion:105 Resp: 1409646

Ion Ratio Lower Upper

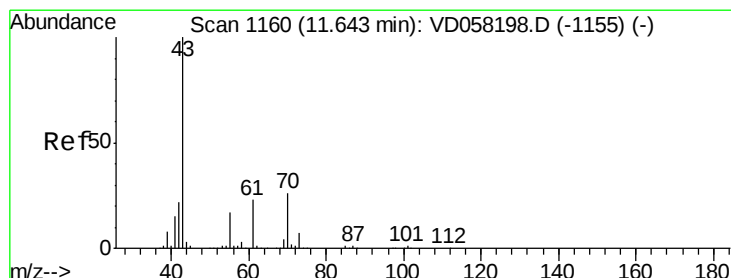
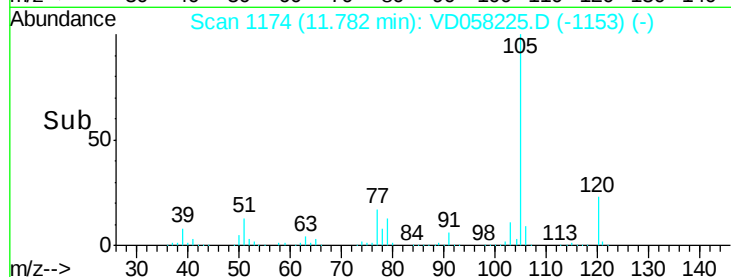
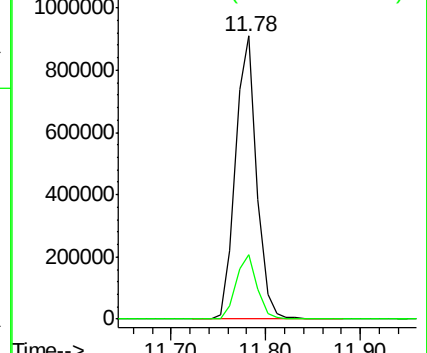
105 100

120 22.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.276 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Tgt Ion: 43 Resp: 573706

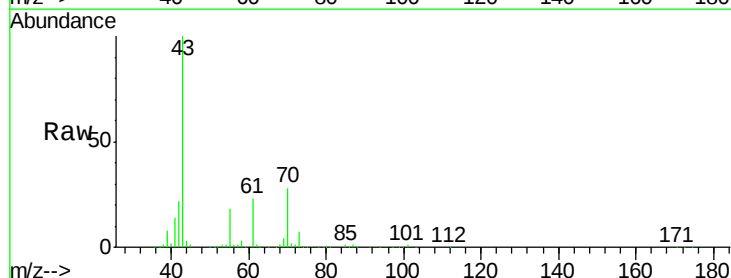
Ion Ratio Lower Upper

43 100

70 28.1 20.9 31.3

55 17.8 13.5 20.3

61 22.7 18.2 27.2

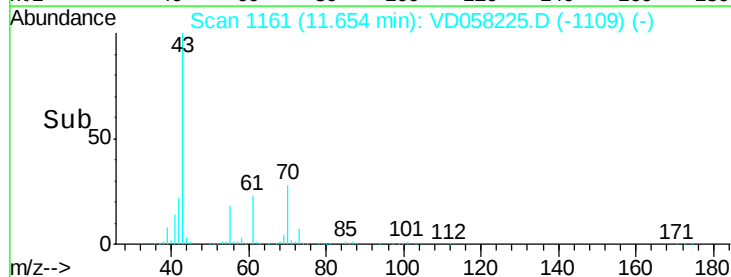
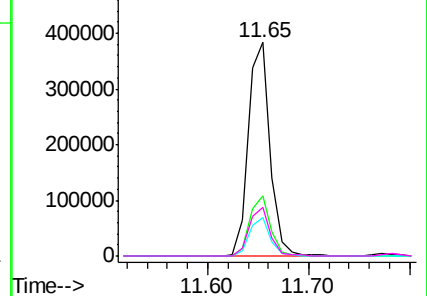


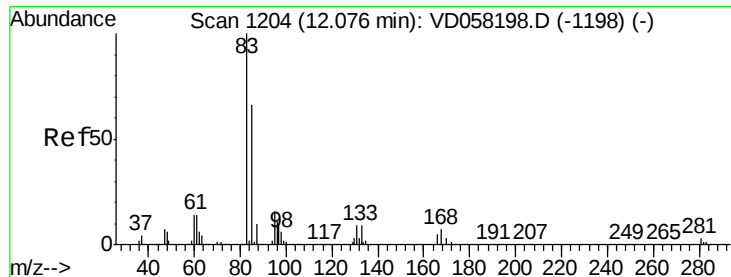
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.194 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

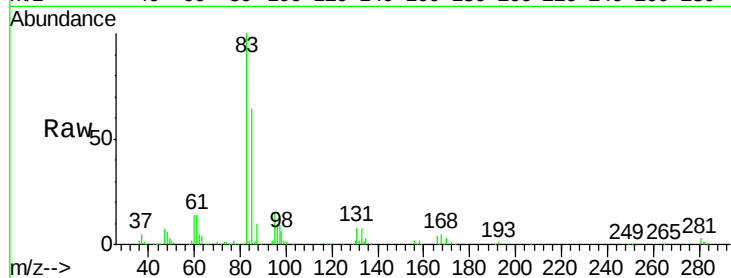
Tot Ion: 83 Resp: 344748

Ion Ratio Lower Upper

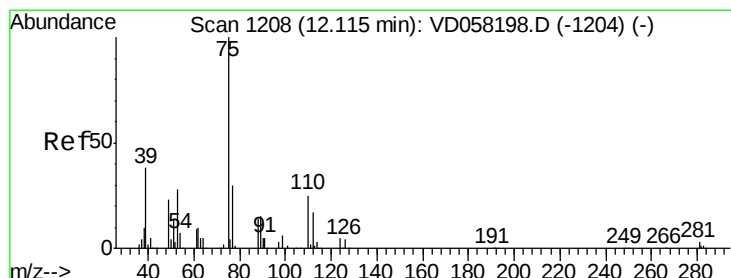
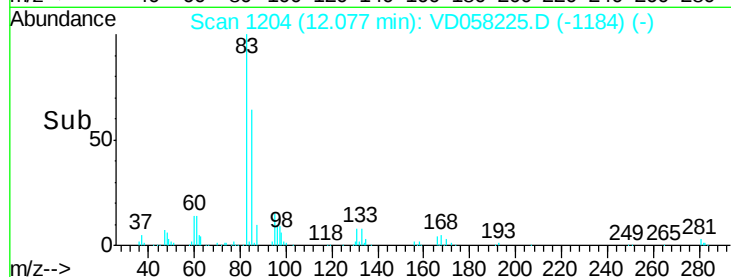
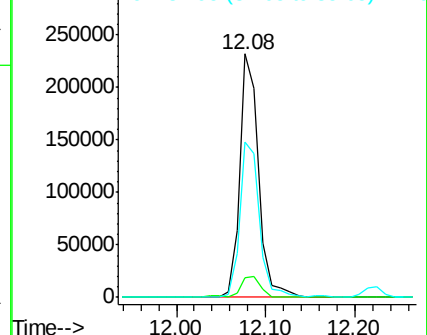
83 100

131 8.1 4.8 14.3

85 63.7 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.945 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058225.D

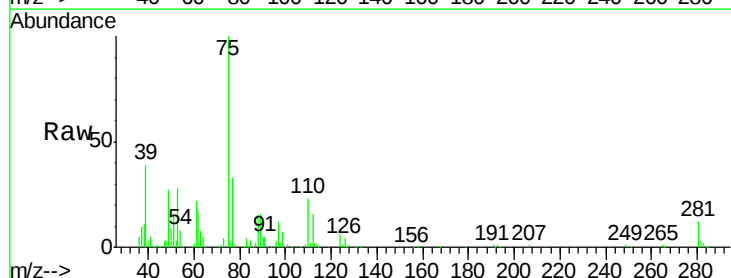
Acq: 20 Jun 2018 23:51

Tgt Ion: 75 Resp: 346028

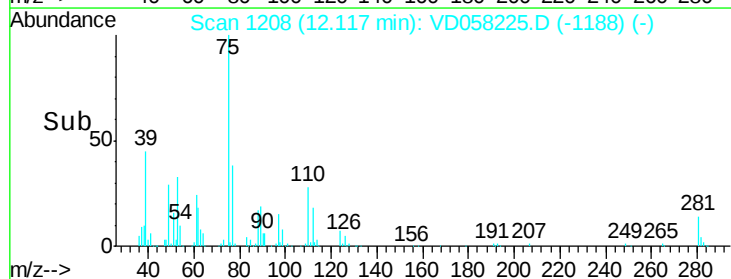
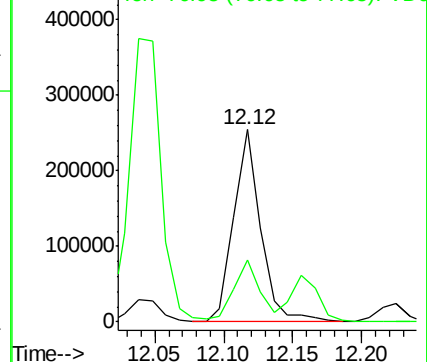
Ion Ratio Lower Upper

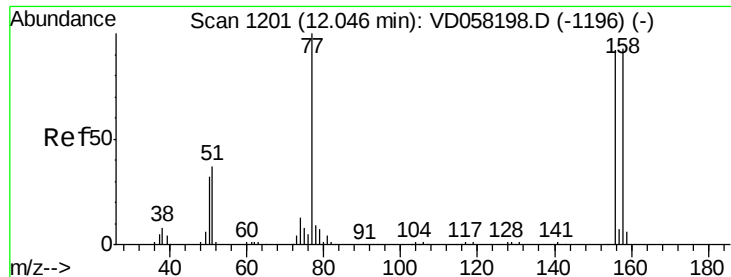
75 100

77 32.5 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.099 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

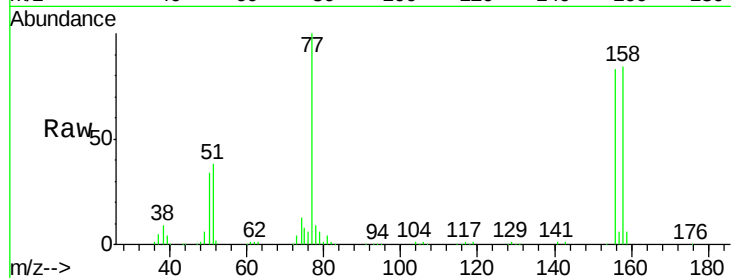
Tot Ion:156 Resp: 442808

Ion Ratio Lower Upper

156 100

77 120.7 54.5 163.6

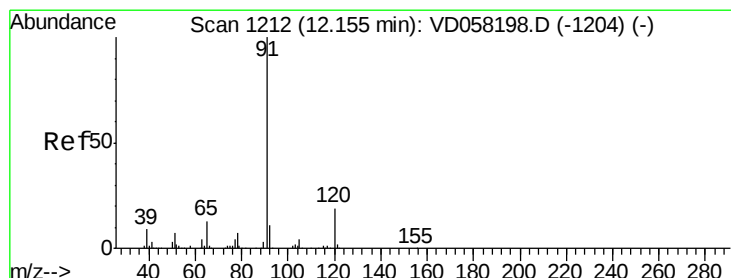
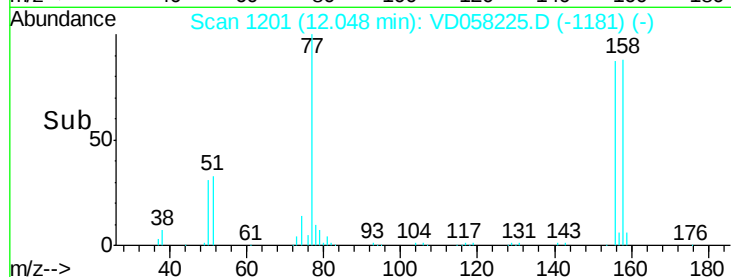
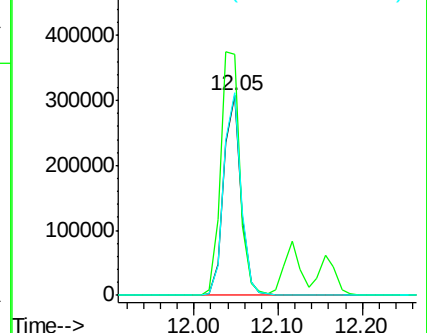
158 101.1 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.388 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058225.D

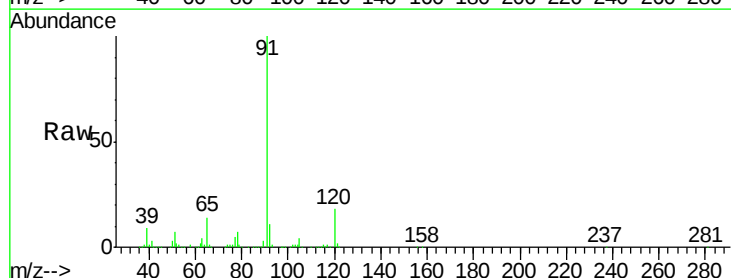
Acq: 20 Jun 2018 23:51

Tgt Ion: 91 Resp: 1883600

Ion Ratio Lower Upper

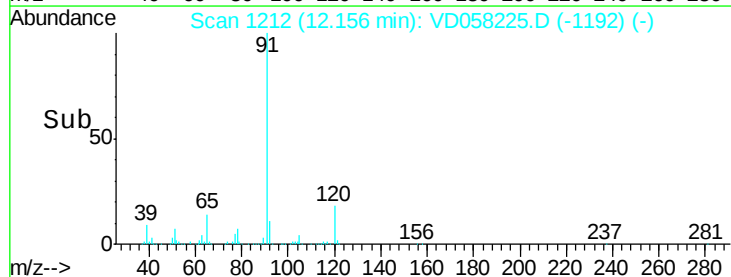
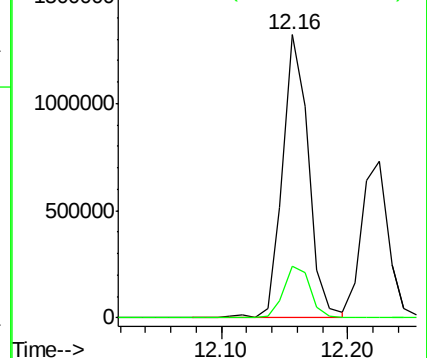
91 100

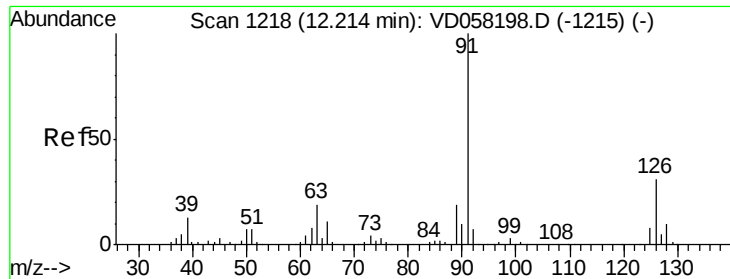
120 18.4 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

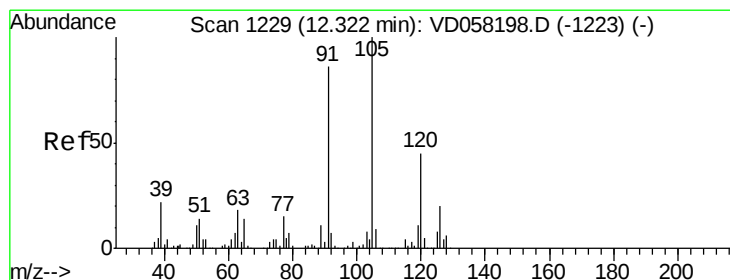
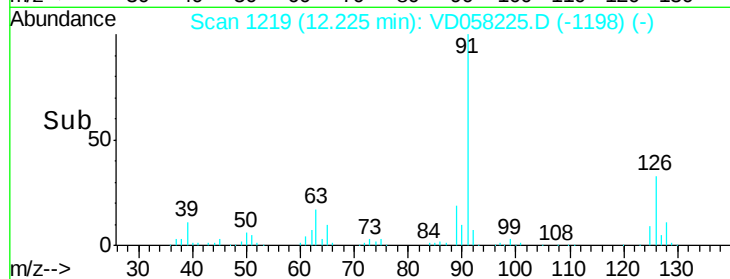
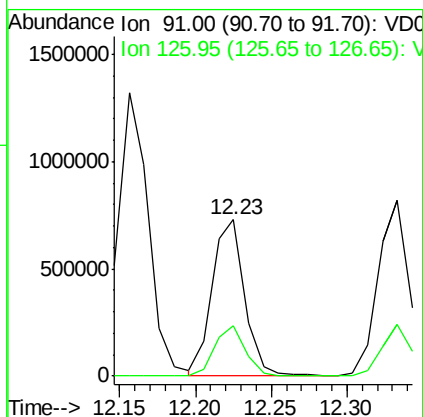
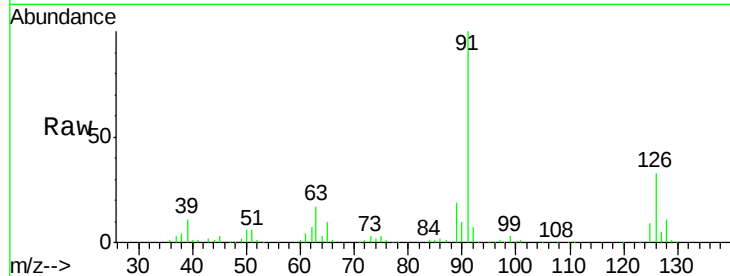




#79
 2-Chlorotoluene
 Concen: 51.472 ug/l
 RT: 12.23 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

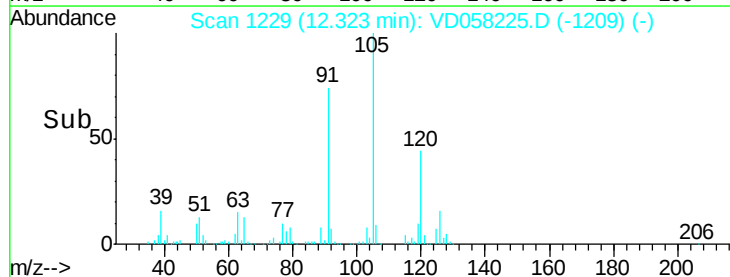
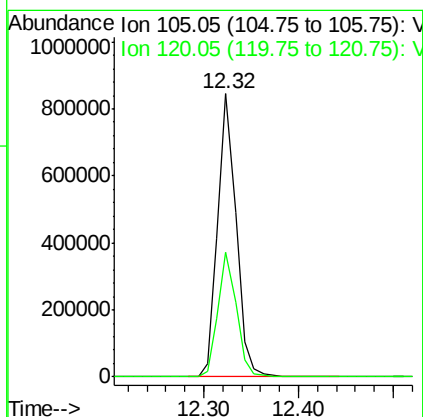
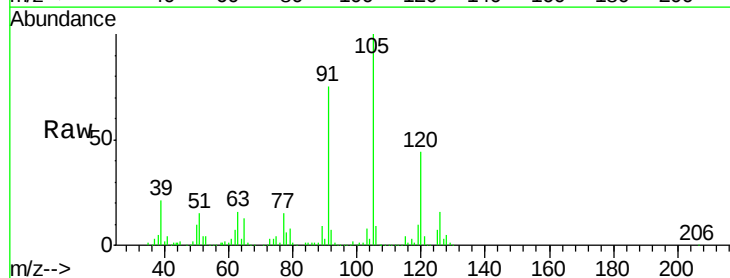
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

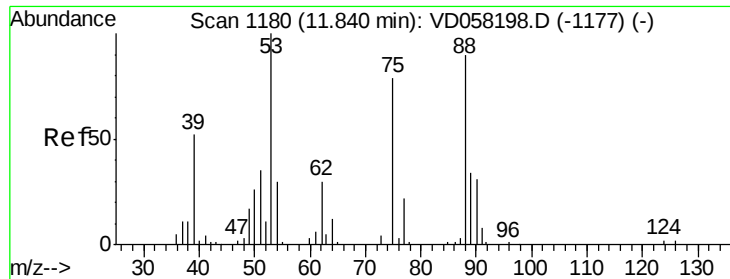
Tot Ion: 91 Resp: 1079617
 Ion Ratio Lower Upper
 91 100
 126 32.6 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.670 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Tgt Ion: 105 Resp: 1143882
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 53.389 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

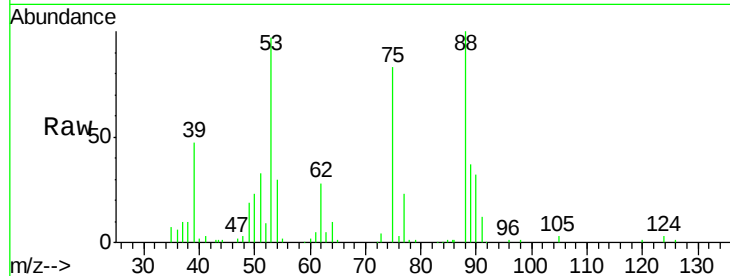
Tot Ion: 75 Resp: 90213

Ion Ratio Lower Upper

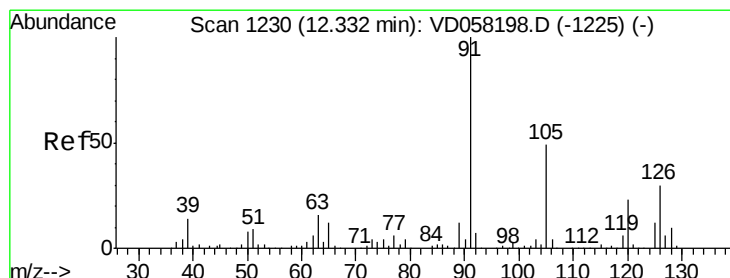
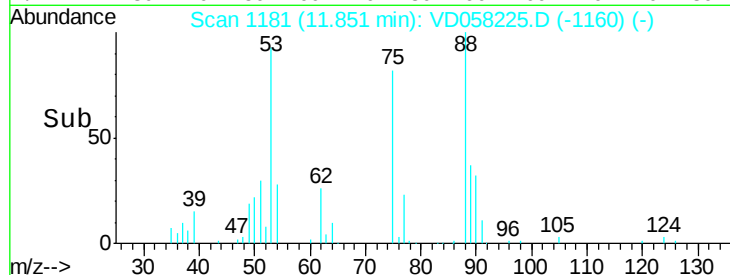
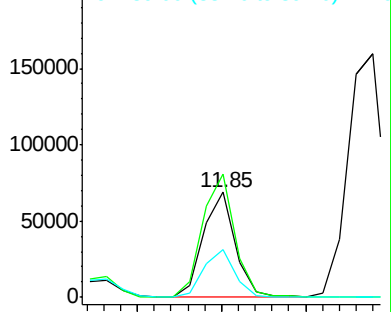
75 100

53 117.2 100.8 151.2

89 45.2 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 58.935 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058225.D

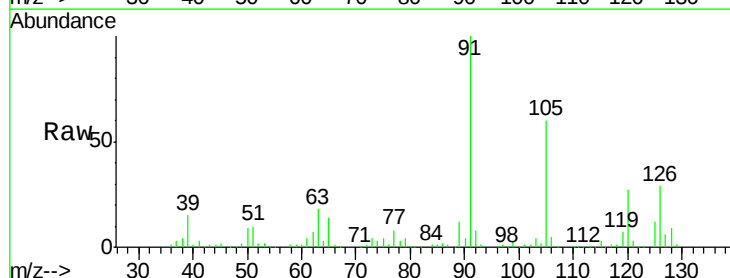
Acq: 20 Jun 2018 23:51

Tgt Ion: 91 Resp: 1184852

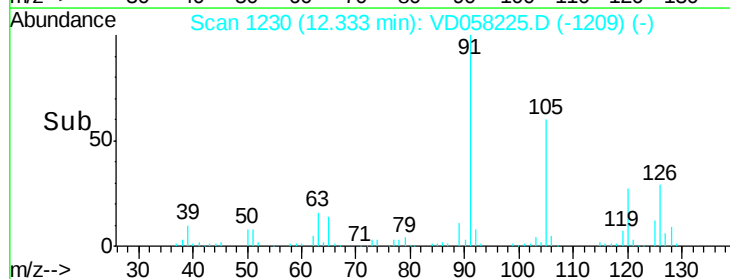
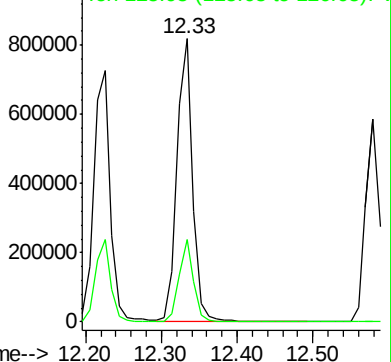
Ion Ratio Lower Upper

91 100

126 29.3 14.9 44.9



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

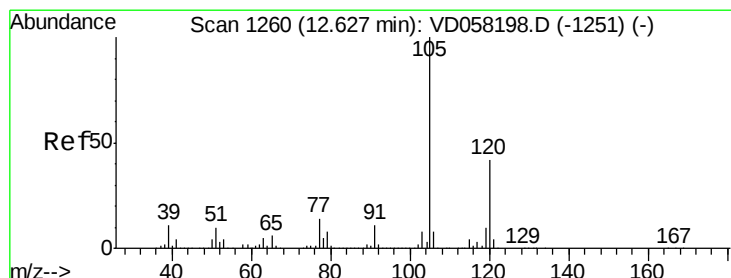
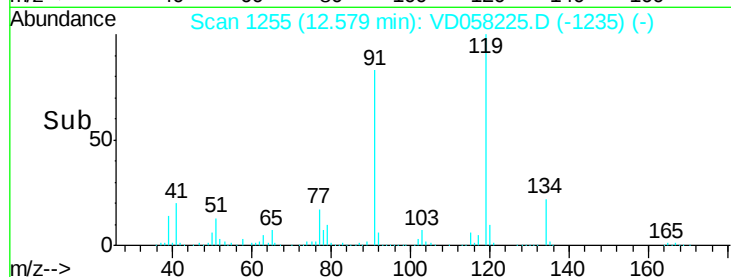
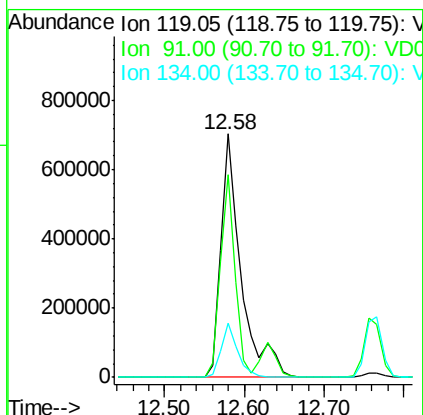
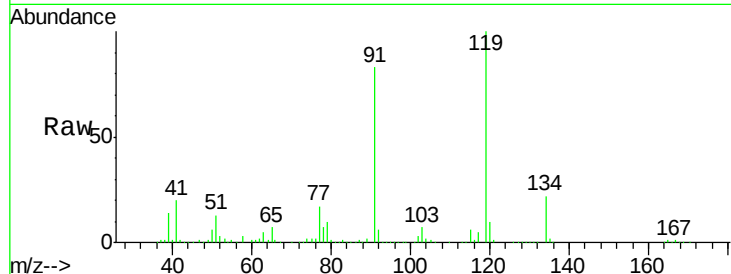




#83
tert-Butylbenzene
Concen: 49.406 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

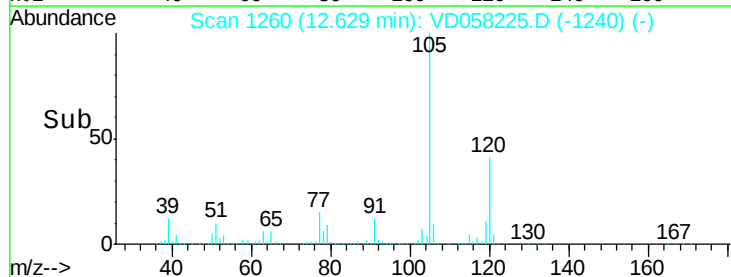
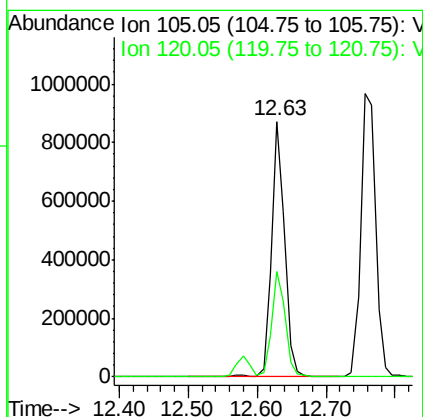
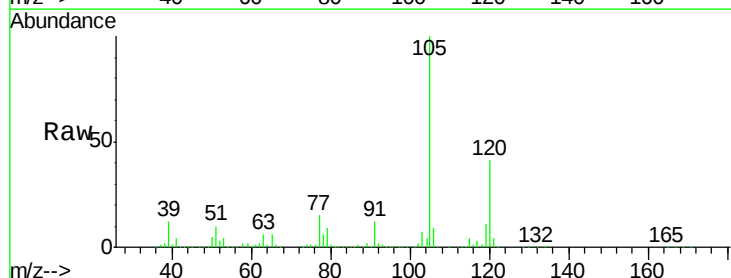
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

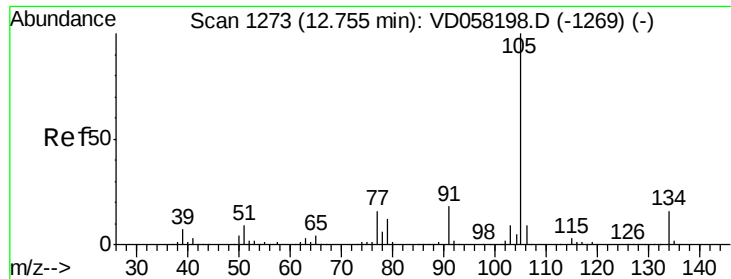
Tot Ion:119 Resp: 1257490
Ion Ratio Lower Upper
119 100
91 83.2 38.9 116.6
134 22.4 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 48.528 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion:105 Resp: 1167799
Ion Ratio Lower Upper
105 100
120 41.2 20.8 62.4

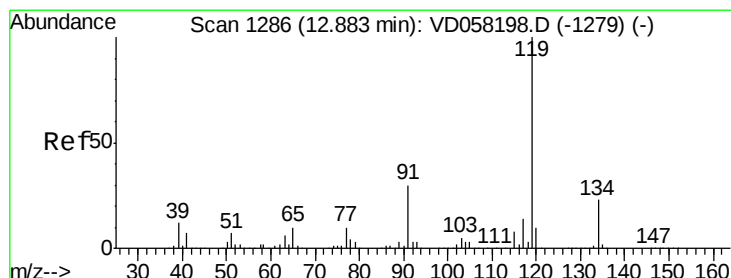
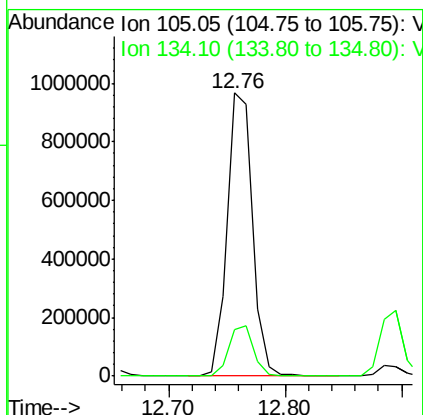
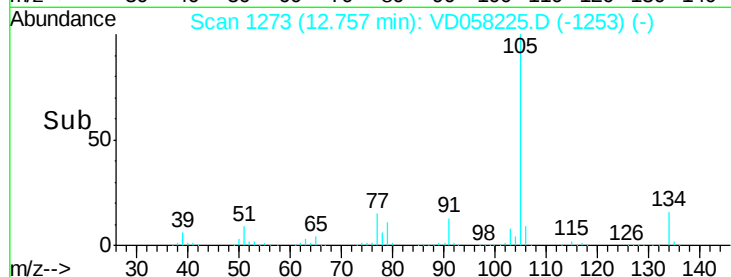
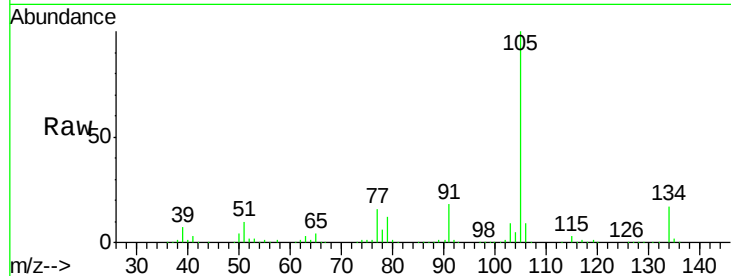




#85
 sec-Butylbenzene
 Concen: 48.607 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

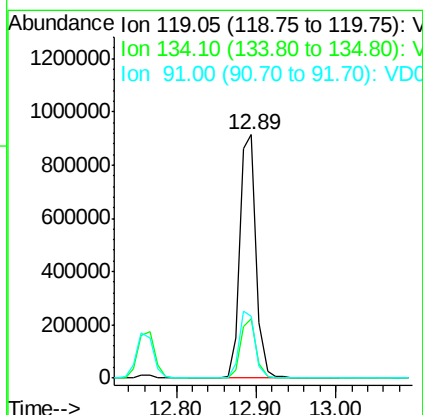
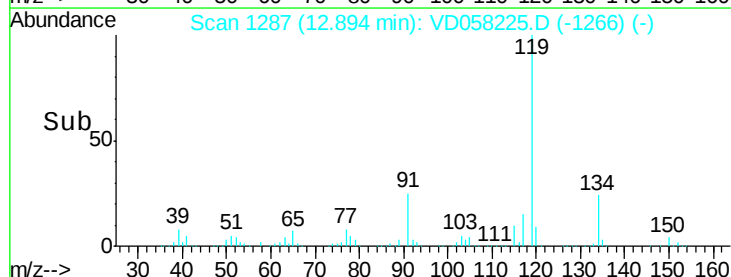
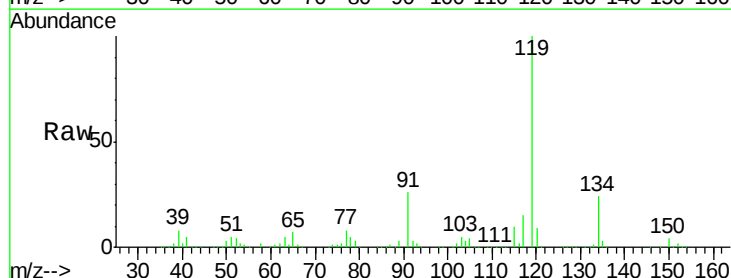
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 1450126
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 53.658 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Tgt Ion:119 Resp: 1297250
 Ion Ratio Lower Upper
 119 100
 134 24.5 11.6 34.8
 91 25.6 15.0 45.1

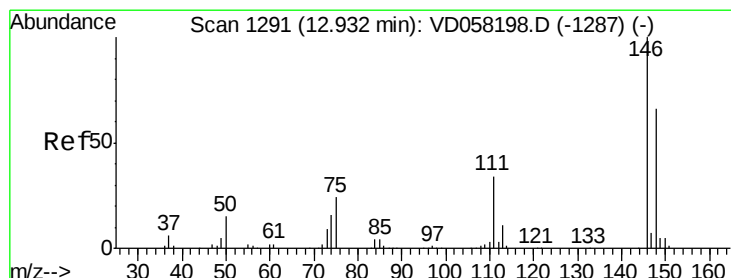
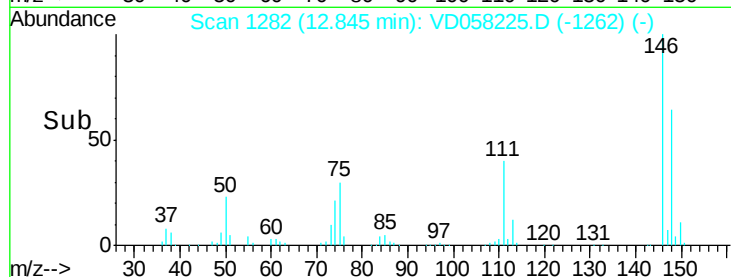
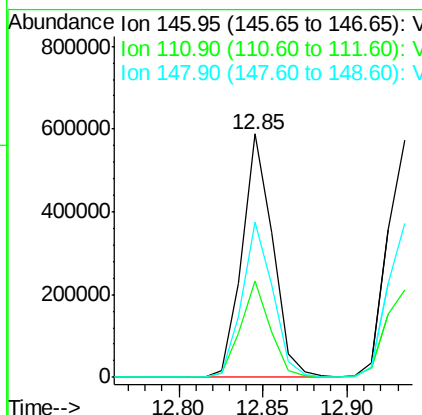
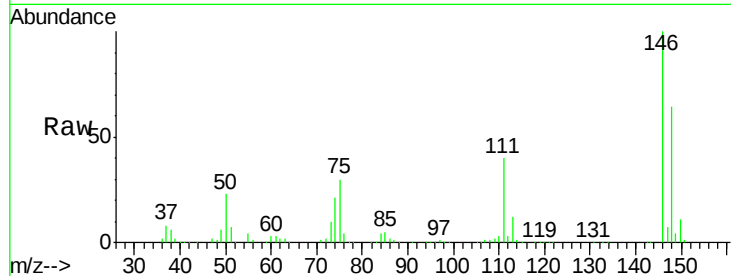




#87
 1,3-Dichlorobenzene
 Concen: 50.406 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

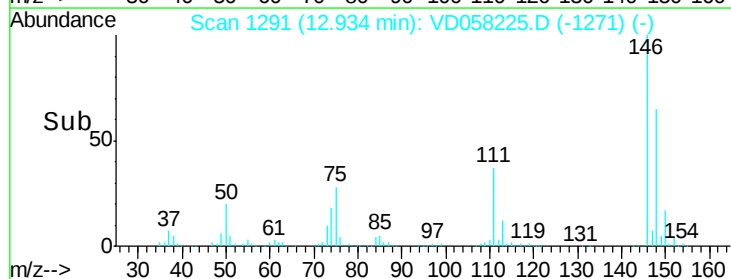
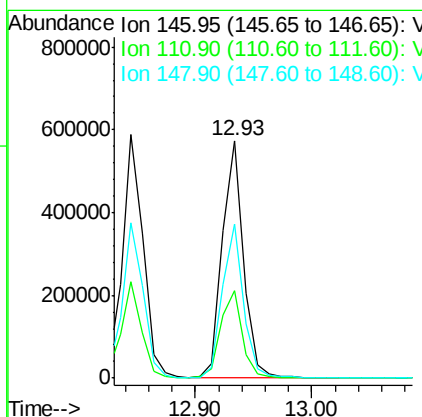
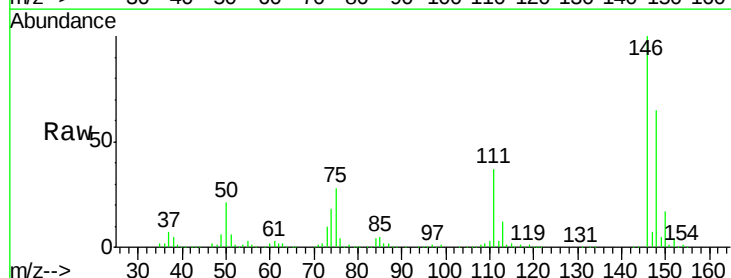
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

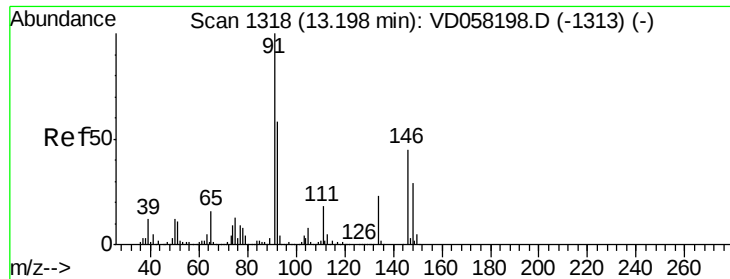
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.4	55.0
148	64.0	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 49.850 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.2	51.5
148	64.9	33.1	99.3





#89

n-Butylbenzene

Concen: 46.446 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

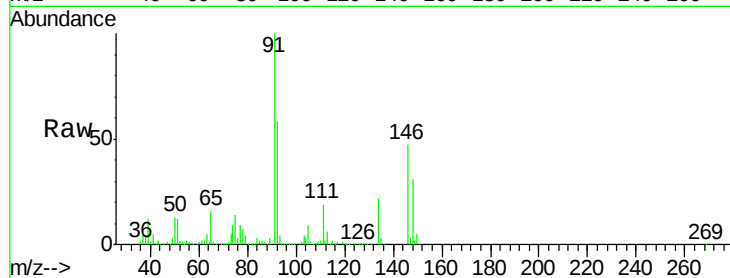
Tot Ion: 91 Resp: 1180146

Ion Ratio Lower Upper

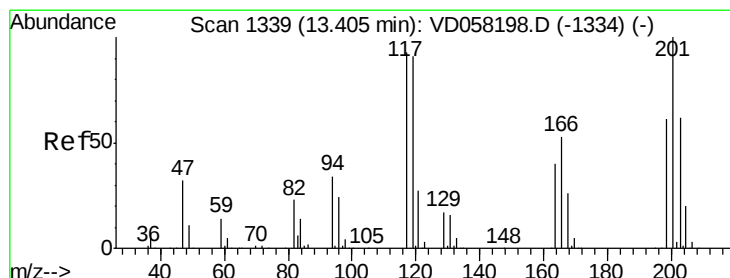
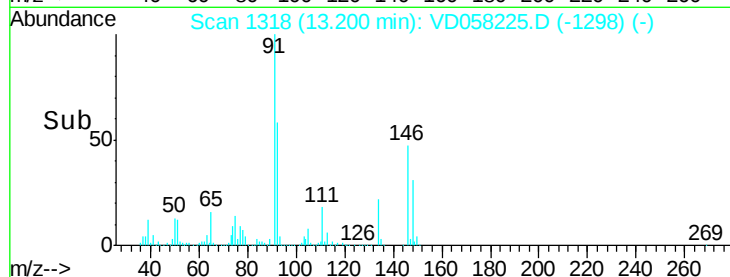
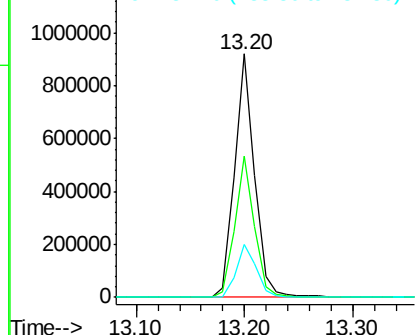
91 100

92 57.9 29.2 87.6

134 21.6 11.3 33.8



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



#90

Hexachloroethane

Concen: 53.841 ug/l

RT: 13.41 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD058225.D

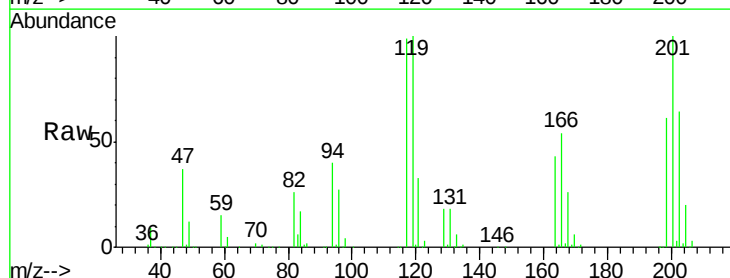
Acq: 20 Jun 2018 23:51

Tgt Ion: 117 Resp: 337852

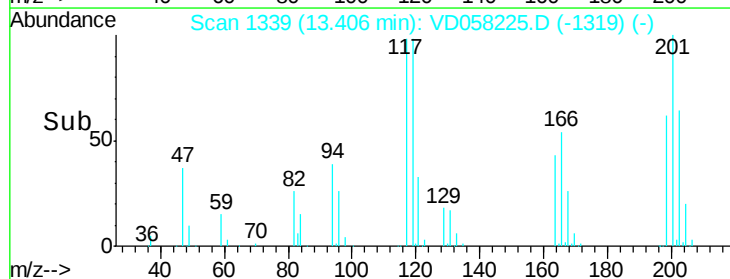
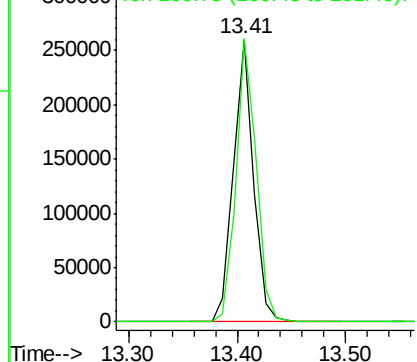
Ion Ratio Lower Upper

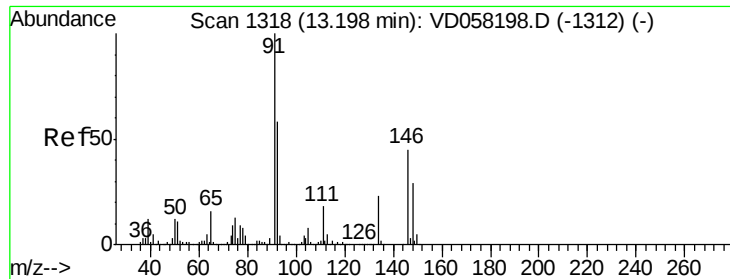
117 100

201 100.3 53.8 161.4



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





#91

1,2-Dichlorobenzene

Concen: 47.961 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

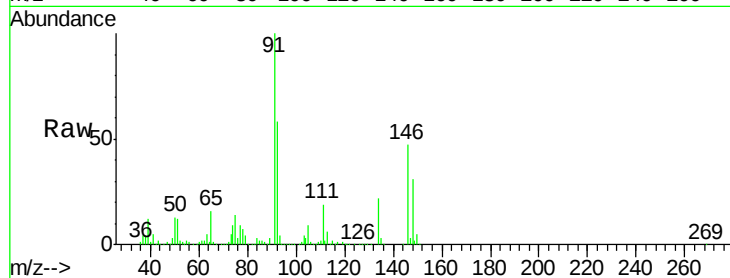
Tot Ion:146 Resp: 602937

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

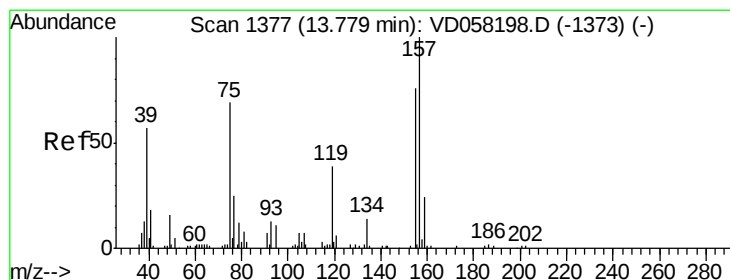
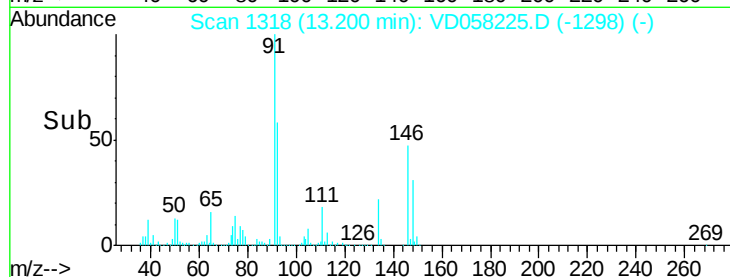
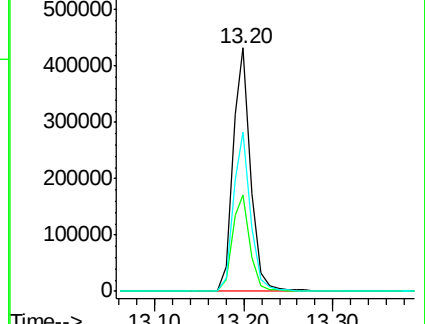
148 65.5 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.757 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058225.D

Acq: 20 Jun 2018 23:51

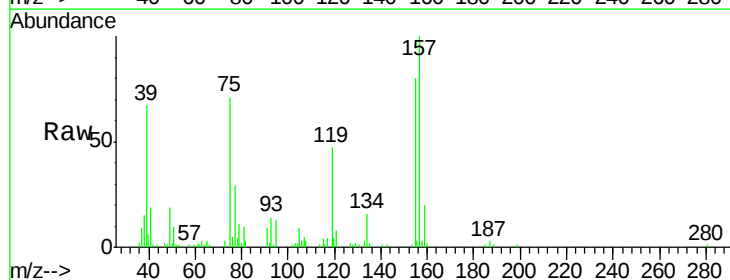
Tgt Ion: 75 Resp: 54407

Ion Ratio Lower Upper

75 100

155 113.9 54.5 163.5

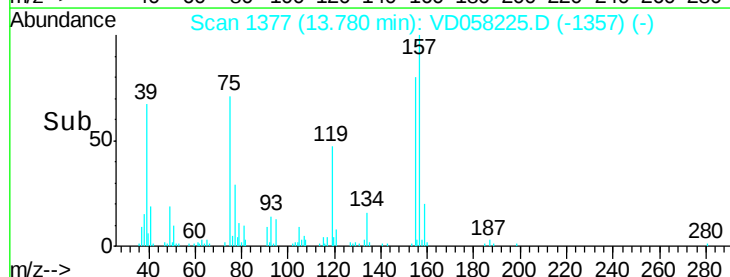
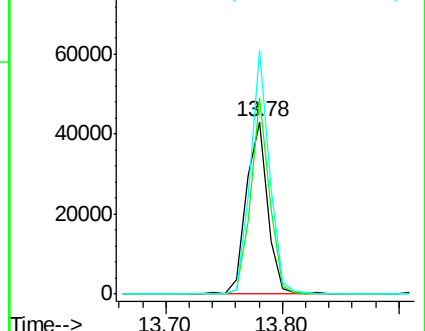
157 141.5 72.0 215.9

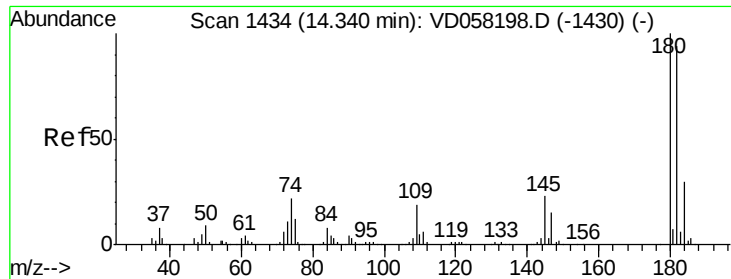


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

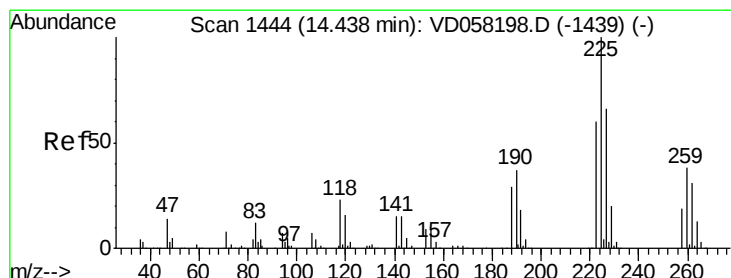
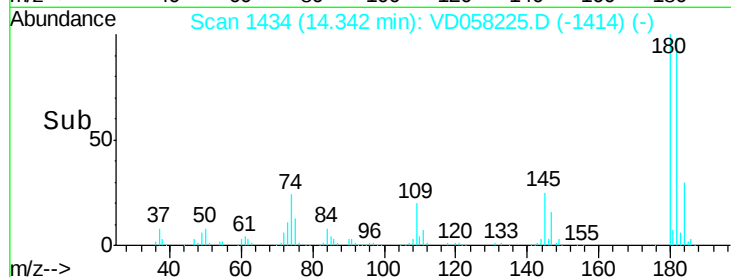
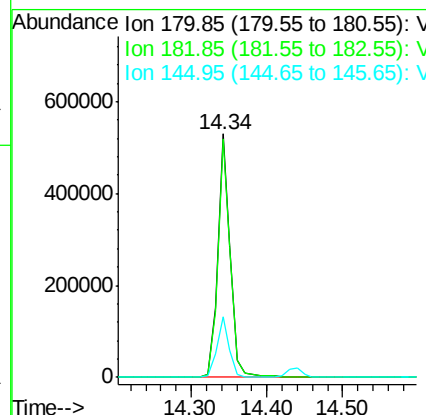
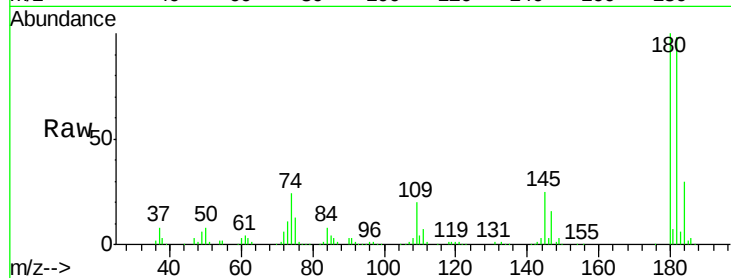




#93
 1,2,4-Trichlorobenzene
 Concen: 51.387 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

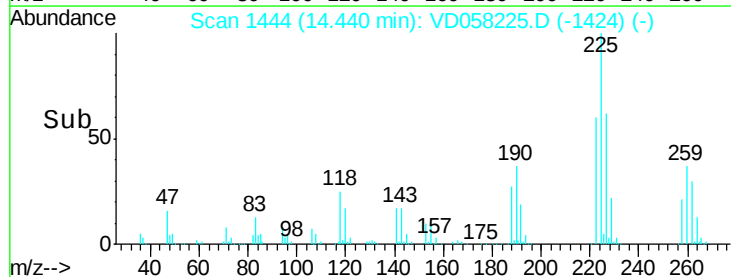
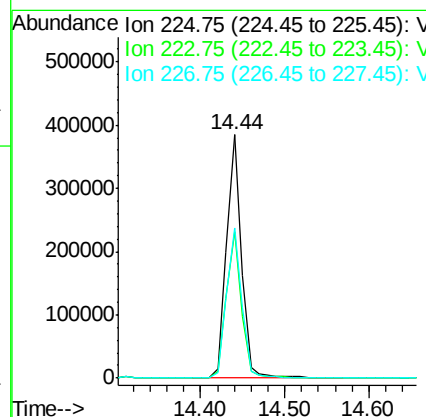
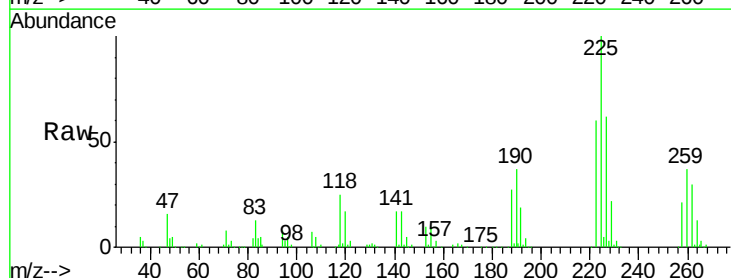
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

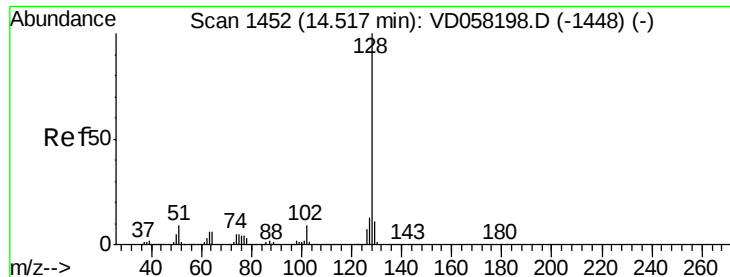
Tot Ion:180 Resp: 617855
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.1 141.3
 145 24.9 11.7 35.0



#94
 Hexachlorobutadiene
 Concen: 50.409 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058225.D
 Acq: 20 Jun 2018 23:51

Tgt Ion:225 Resp: 474067
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.1 90.3
 227 61.8 33.0 98.9

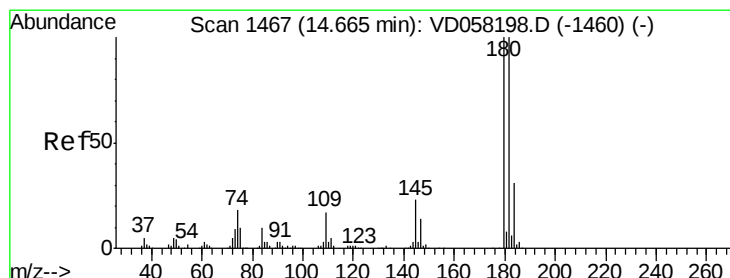
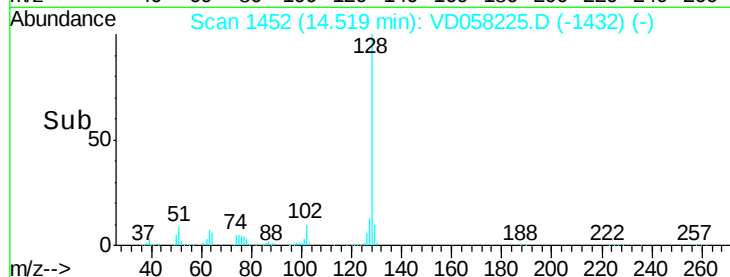
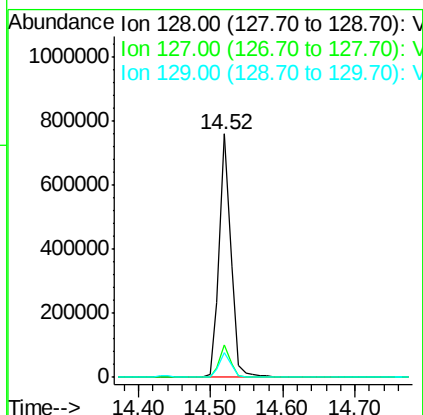
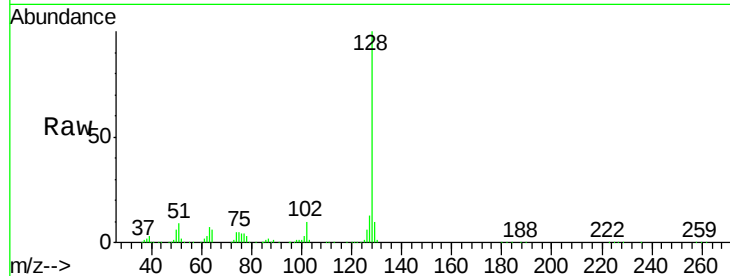




#95
Naphthalene
Concen: 53.366 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 845212
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 10.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.311 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD058225.D
Acq: 20 Jun 2018 23:51

Tgt Ion:180 Resp: 550625
Ion Ratio Lower Upper
180 100
182 98.7 49.9 149.6
145 25.2 11.7 35.1

