

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD057968.D
 Acq On : 7 Jun 2018 13:33
 Operator : JC/SY
 Sample : VD0607SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

Quant Time: Jun 08 06:46:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1034820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1375259	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1098260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	536930	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	469869	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	
35) Dibromofluoromethane	5.55	113	508578	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.70	98	1166536	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
62) 4-Bromofluorobenzene	11.93	95	493926	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	308809	22.235	ug/l	95
3) Chloromethane	1.49	50	150507	22.003	ug/l	96
4) Vinyl Chloride	1.56	62	145030	21.904	ug/l	96
5) Bromomethane	1.81	94	50189	19.341	ug/l	97
6) Chloroethane	1.89	64	46310	17.728	ug/l #	87
7) Trichlorofluoromethane	2.09	101	186587	20.616	ug/l	97
8) Diethyl Ether	2.35	74	36936	21.968	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.57	101	115755	21.442	ug/l	97
10) Methyl Iodide	2.70	142	148415	21.306	ug/l	93
11) Tert butyl alcohol	3.27	59	26542	95.769	ug/l	100
12) 1,1-Dichloroethene	2.56	96	86601	20.866	ug/l	86
13) Acrolein	2.48	56	44850	112.998	ug/l	87
14) Allyl chloride	2.93	41	200083	20.899	ug/l	98
15) Acrylonitrile	3.37	53	171480	105.764	ug/l	91
16) Acetone	2.63	43	150560	101.011	ug/l	100
17) Carbon Disulfide	2.76	76	320837	21.339	ug/l	96
18) Methyl Acetate	2.94	43	57733	20.023	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	366065	20.045	ug/l	99
20) Methylene Chloride	3.08	84	98886	22.932	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	192194	20.791	ug/l	97
22) Diisopropyl ether	4.07	45	759192	20.016	ug/l	96
23) Vinyl Acetate	4.02	43	1967391	100.391	ug/l	100
24) 1,1-Dichloroethane	3.97	63	429386	20.598	ug/l	99
25) 2-Butanone	4.84	43	326086	96.264	ug/l	97
26) 2,2-Dichloropropane	4.80	77	356106	20.738	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	227167	20.720	ug/l	93
28) Bromochloromethane	5.15	49	194776	21.588	ug/l	97
29) Tetrahydrofuran	5.19	42	181549	102.241	ug/l	97
30) Chloroform	5.32	83	434817	20.726	ug/l	99
31) Cyclohexane	5.59	56	357267	19.860	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	361486	20.579	ug/l	96
36) 1,1-Dichloropropene	5.75	75	322001	21.252	ug/l	99
37) Ethyl Acetate	4.92	43	171042	20.688	ug/l	98
38) Carbon Tetrachloride	5.73	117	313812	21.015	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	317089	21.111	ug/l	99
40) Benzene	6.01	78	698319	19.729	ug/l	100
41) Methacrylonitrile	5.13	41	81245	21.492	ug/l #	94
42) 1,2-Dichloroethane	6.12	62	295213	20.628	ug/l	99
43) Isopropyl Acetate	7.62	43	208514	19.255	ug/l #	90
44) Trichloroethene	6.98	130	221671	21.441	ug/l	96
45) 1,2-Dichloropropane	7.34	63	189934	19.307	ug/l	97
46) Dibromomethane	7.46	93	128801	20.381	ug/l	99
47) Bromodichloromethane	7.73	83	295092	19.943	ug/l	96
48) Methyl methacrylate	7.50	41	132427	19.868	ug/l	94
49) 1,4-Dioxane	7.48	88	19082	345.586	ug/l	94
51) 4-Methyl-2-Pentanone	8.59	43	711250	102.398	ug/l	97
52) Toluene	8.80	92	413133	20.338	ug/l	92
53) t-1,3-Dichloropropene	9.18	75	264398	20.740	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	313081	20.846	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	129612	19.715	ug/l	95
56) Ethyl methacrylate	9.31	69	164344	20.379	ug/l	95
57) 1,3-Dichloropropane	9.66	76	229590	19.911	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	419890	103.055	ug/l	99
59) 2-Hexanone	9.78	43	532801	104.671	ug/l	99
60) Dibromochloromethane	9.95	129	195494	21.087	ug/l	96
61) 1,2-Dibromoethane	10.09	107	150160	19.861	ug/l	94
64) Tetrachloroethene	9.51	164	207342	21.118	ug/l	96
65) Chlorobenzene	10.72	112	457622	20.583	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	175016	20.489	ug/l	97
67) Ethyl Benzene	10.86	91	830847	20.684	ug/l	98
68) m/p-Xylenes	11.00	106	560061	42.770	ug/l	100
69) o-Xylene	11.40	106	272924	20.998	ug/l	90
70) Styrene	11.43	104	456952	21.237	ug/l	98
71) Bromoform	11.59	173	133184	20.726	ug/l	98
73) Isopropylbenzene	11.77	105	787941	22.156	ug/l	99
74) N-amyl acetate	11.64	43	283391	20.651	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	156602	20.197	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	176513	21.885	ug/l	96
77) Bromobenzene	12.04	156	225094	21.383	ug/l	87
78) n-propylbenzene	12.15	91	1024540	22.139	ug/l	96
79) 2-Chlorotoluene	12.21	91	580802	22.000	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	594386	21.431	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	44304	22.178	ug/l	97
82) 4-Chlorotoluene	12.32	91	617572	22.290	ug/l	95
83) tert-Butylbenzene	12.57	119	684336	21.852	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	664968	22.299	ug/l	97
85) sec-Butylbenzene	12.76	105	816292	21.598	ug/l	97
86) p-Isopropyltoluene	12.88	119	651127	21.375	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	385899	21.671	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	375855	21.663	ug/l	98
89) n-Butylbenzene	13.19	91	689023	22.711	ug/l	98
90) Hexachloroethane	13.40	117	169464	21.796	ug/l	74
91) 1,2-Dichlorobenzene	13.19	146	314393	21.847	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24011	20.065	ug/l	76

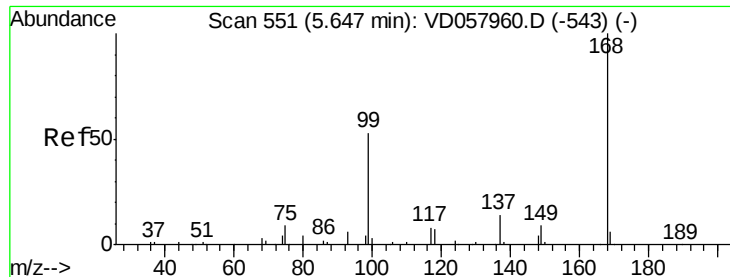
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	293129	21.803	ug/l	98
94) Hexachlorobutadiene	14.43	225	224059	21.187	ug/l	98
95) Naphthalene	14.51	128	364093	21.004	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	243882	21.285	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

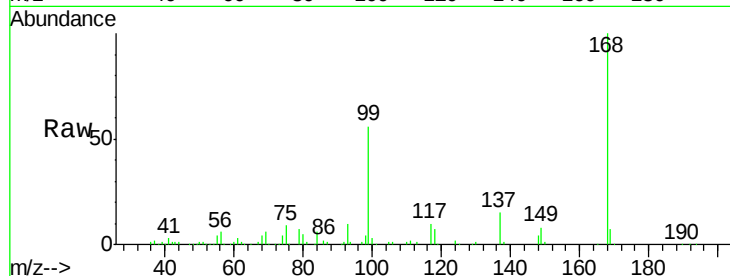
VD0607SBS01

Tot Ion:168 Resp: 1034820

Ion Ratio Lower Upper

168 100

99 56.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

400000

300000

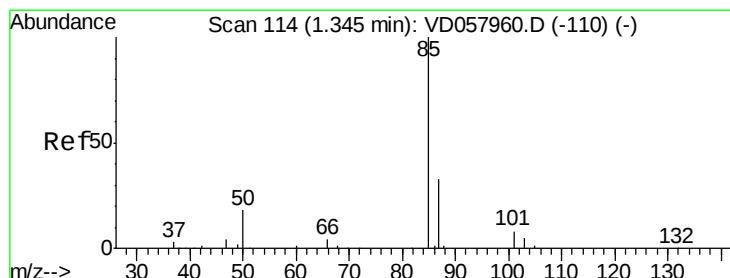
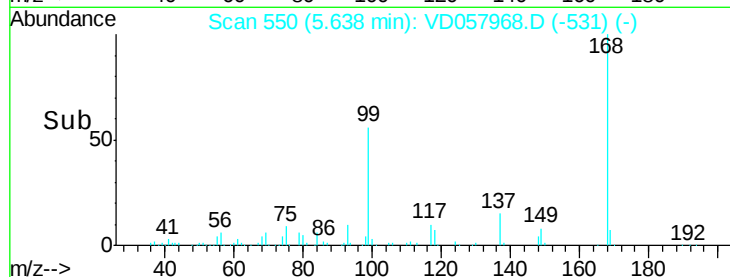
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 22.235 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD057968.D

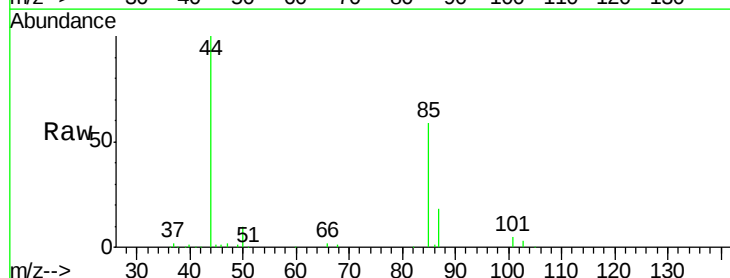
Acq: 7 Jun 2018 13:33

Tgt Ion: 85 Resp: 308809

Ion Ratio Lower Upper

85 100

87 30.2 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.36

150000

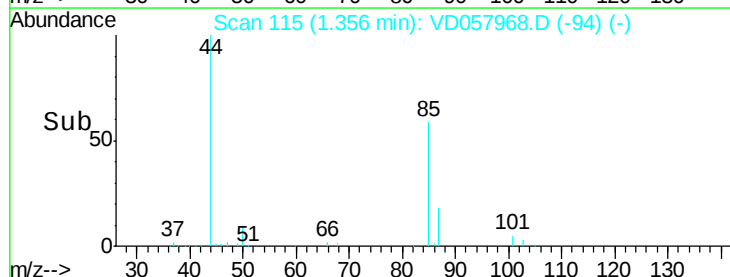
100000

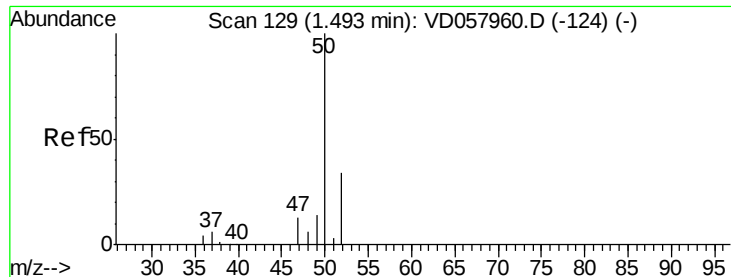
50000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 22.003 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

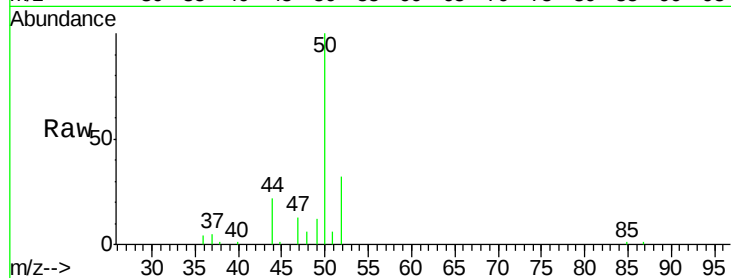
VD0607SBS01

Tot Ion: 50 Resp: 150507

Ion Ratio Lower Upper

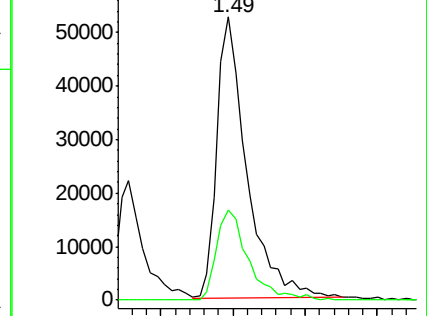
50 100

52 31.7 27.2 40.8

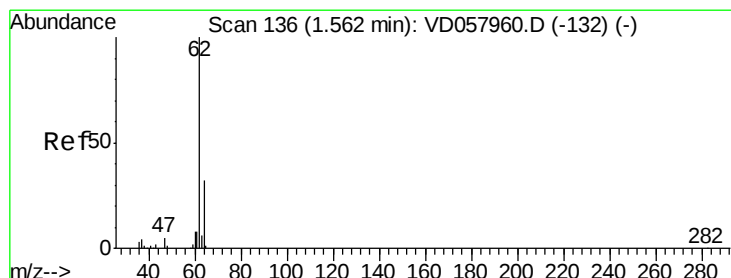
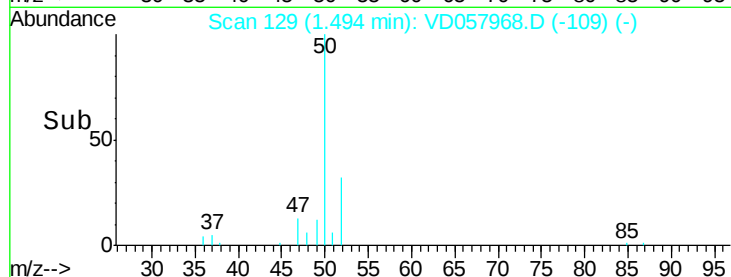


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 21.904 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD057968.D

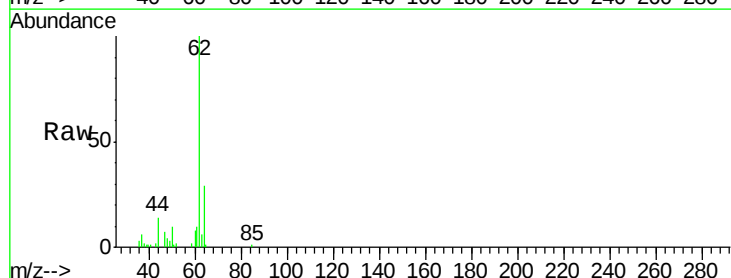
Acq: 7 Jun 2018 13:33

Tgt Ion: 62 Resp: 145030

Ion Ratio Lower Upper

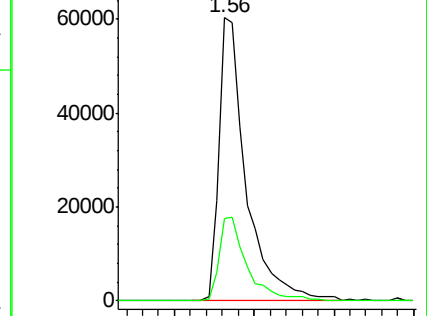
62 100

64 29.3 25.4 38.2

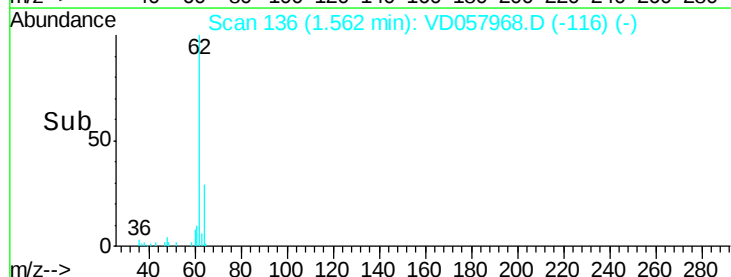


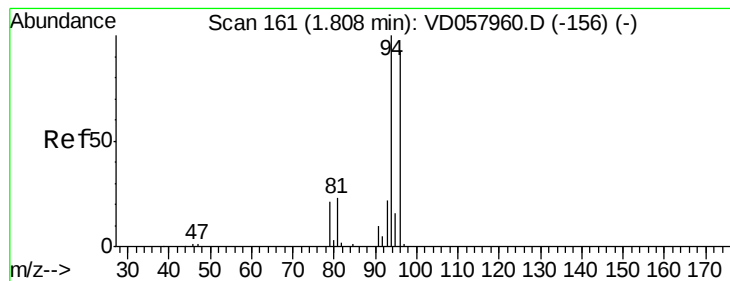
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#5

Bromomethane

Concen: 19.341 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

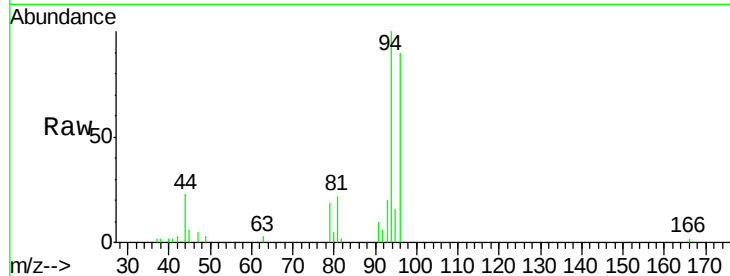
VD0607SBS01

Tot Ion: 94 Resp: 50189

Ion Ratio Lower Upper

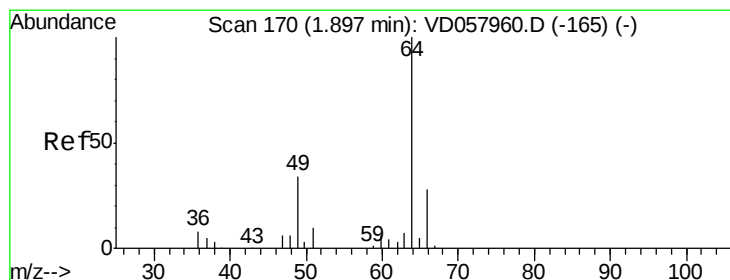
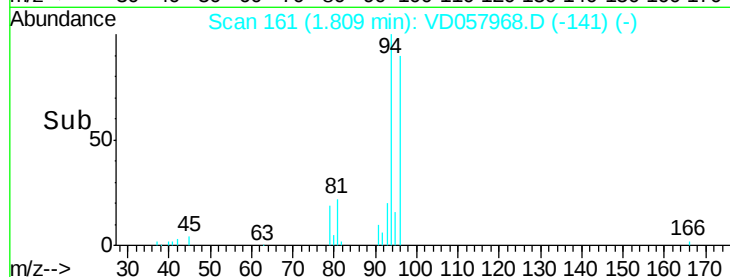
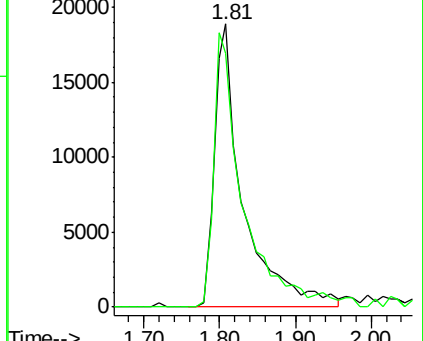
94 100

96 89.6 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.728 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD057968.D

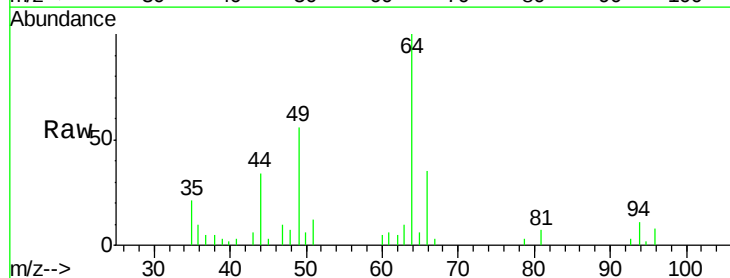
Acq: 7 Jun 2018 13:33

Tgt Ion: 64 Resp: 46310

Ion Ratio Lower Upper

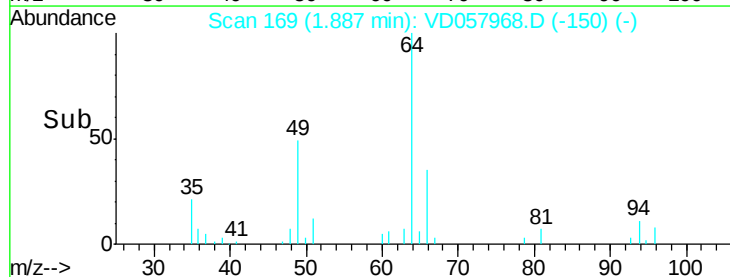
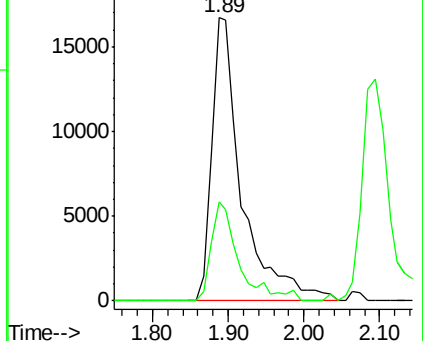
64 100

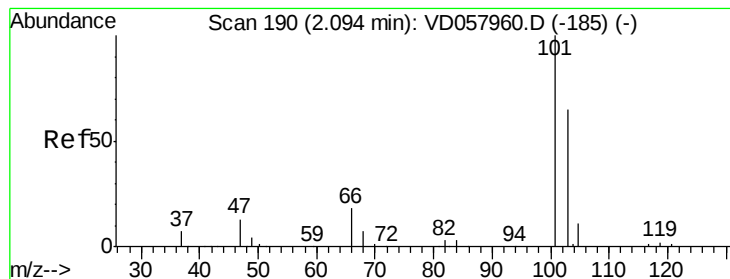
66 35.2 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



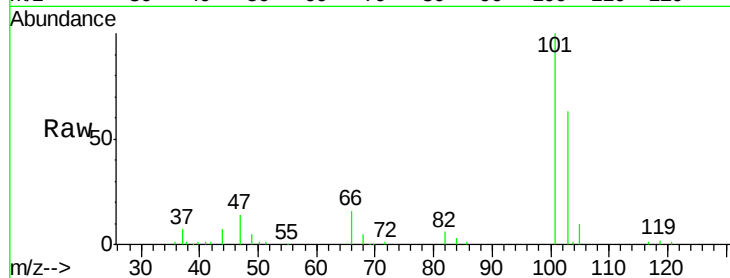


#7

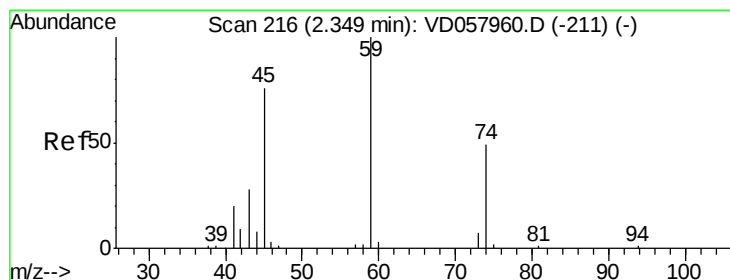
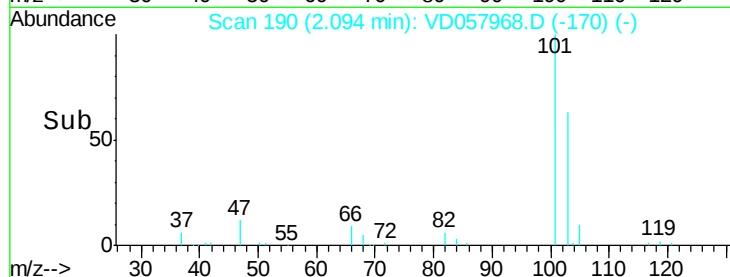
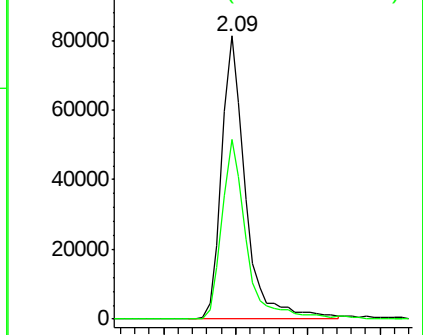
Trichlorofluoromethane
 Concen: 20.616 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Instrument :
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 VD0607SBS01

Tot Ion:101 Resp: 186587
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6



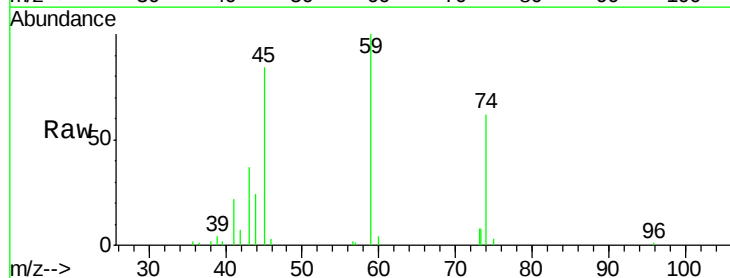
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



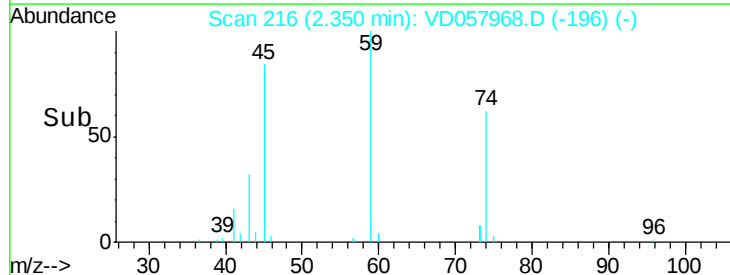
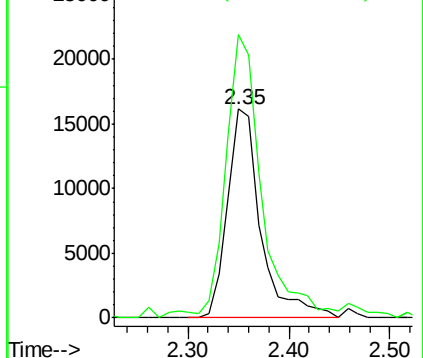
#8

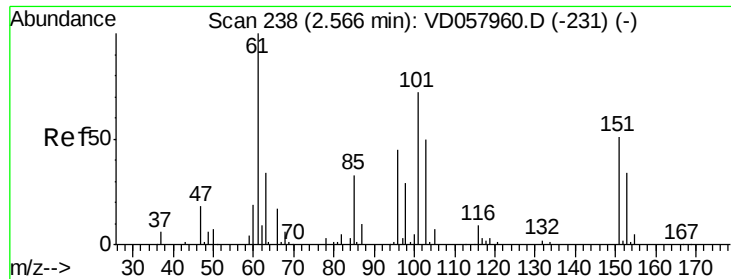
Diethyl Ether
 Concen: 21.968 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion: 74 Resp: 36936
 Ion Ratio Lower Upper
 74 100
 45 135.4 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.442 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

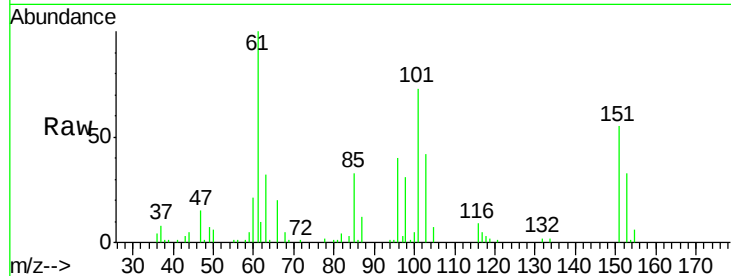
Tot Ion:101 Resp: 115755

Ion Ratio Lower Upper

101 100

85 45.9 37.3 55.9

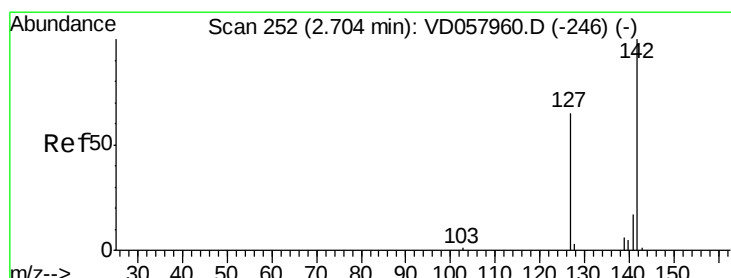
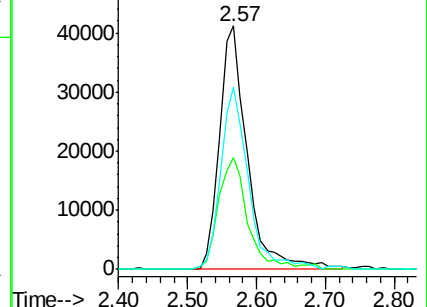
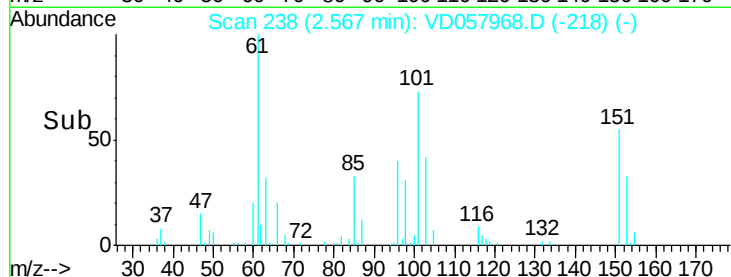
151 75.1 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.306 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

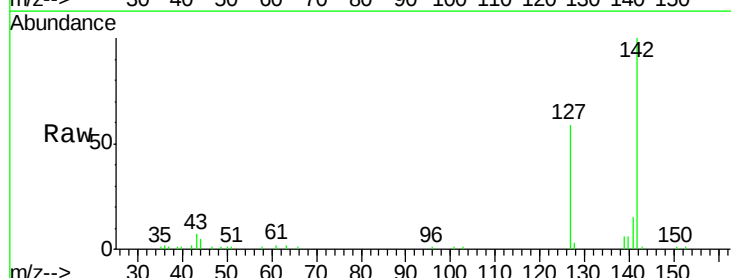
Tgt Ion:142 Resp: 148415

Ion Ratio Lower Upper

142 100

127 58.6 52.0 78.0

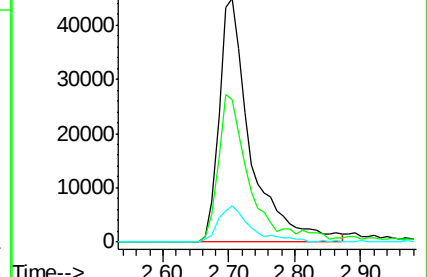
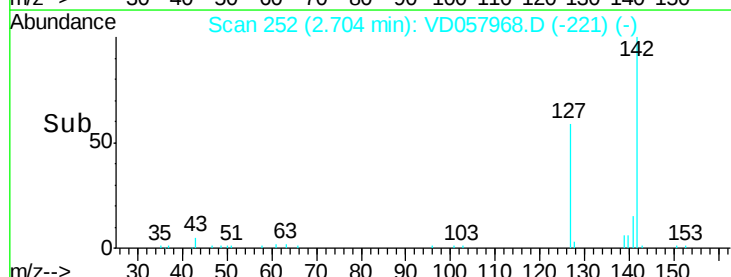
141 14.7 13.2 19.8

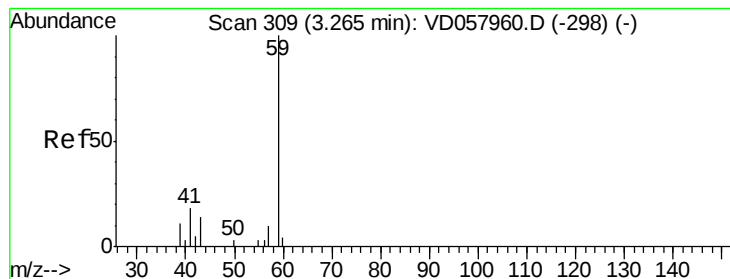


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



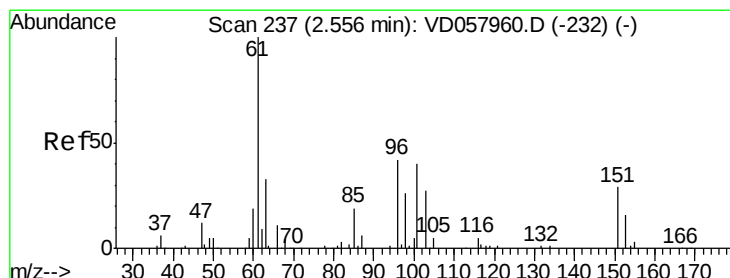
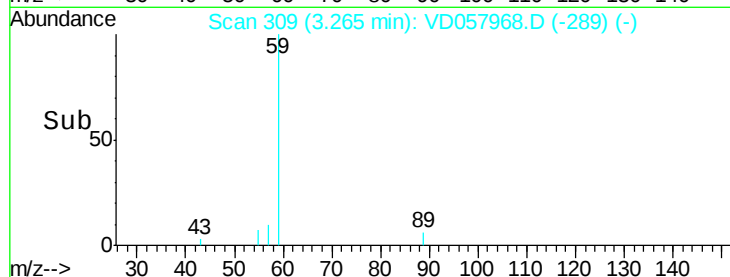
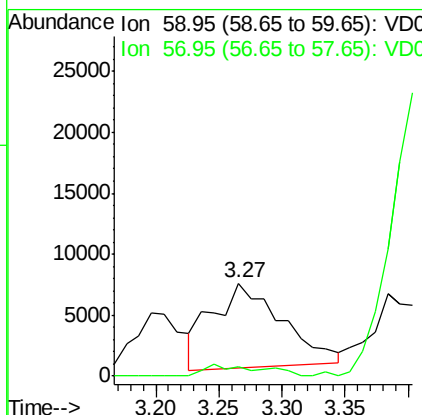
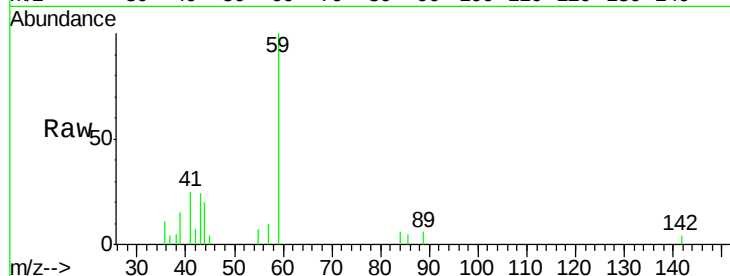


#11

Tert butyl alcohol
 Concen: 95.769 ug/l
 RT: 3.27 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

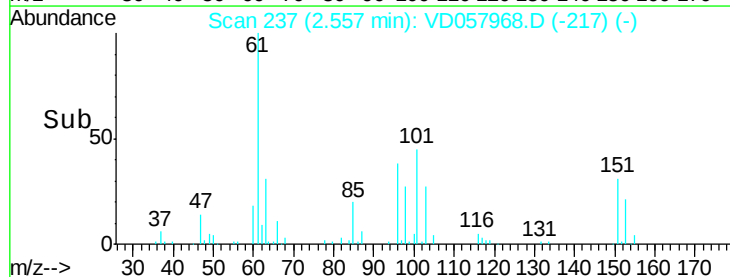
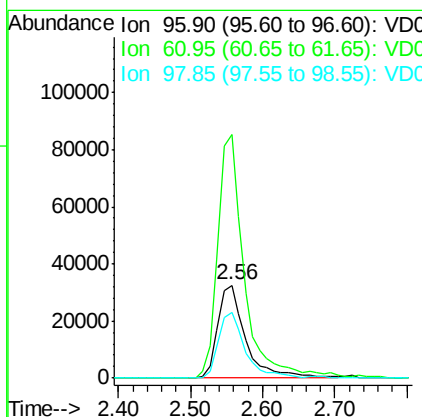
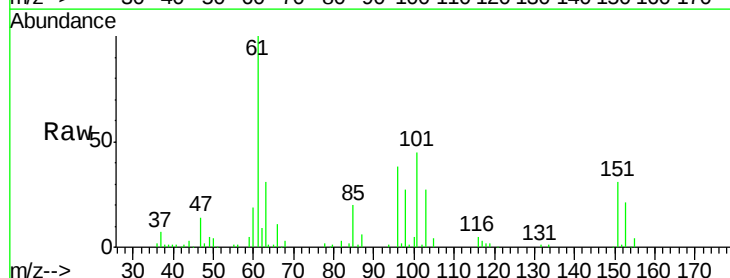
Tot Ion: 59 Resp: 26542
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

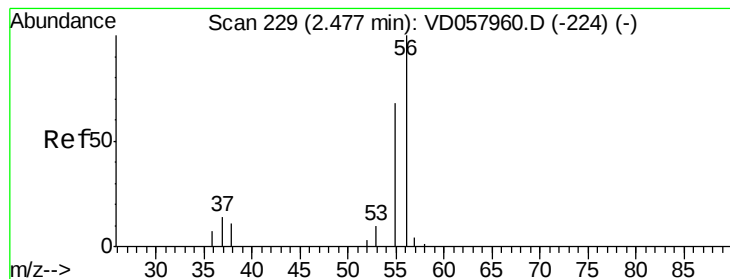


#12

1,1-Dichloroethene
 Concen: 20.866 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion: 96 Resp: 86601
 Ion Ratio Lower Upper
 96 100
 61 262.0 190.2 285.4
 98 70.6 49.6 74.4





#13

Acrolein

Concen: 112.998 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

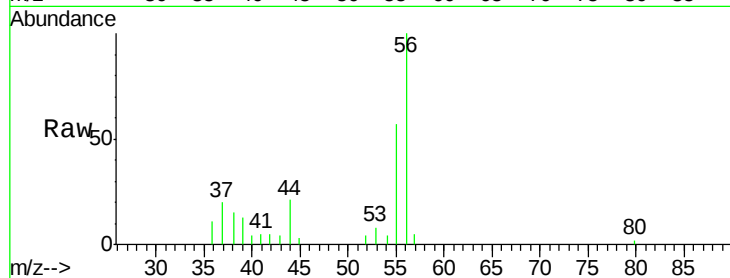
VD0607SBS01

Tot Ion: 56 Resp: 44850

Ion Ratio Lower Upper

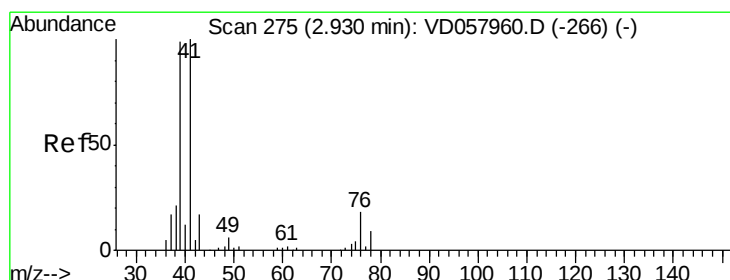
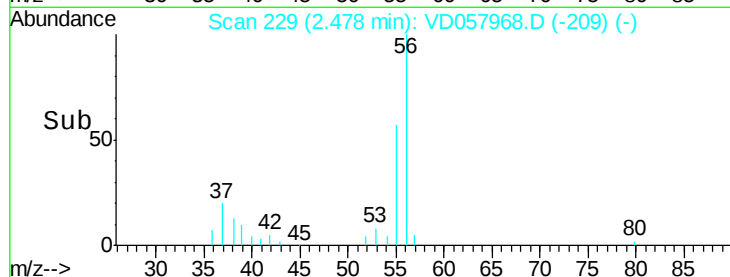
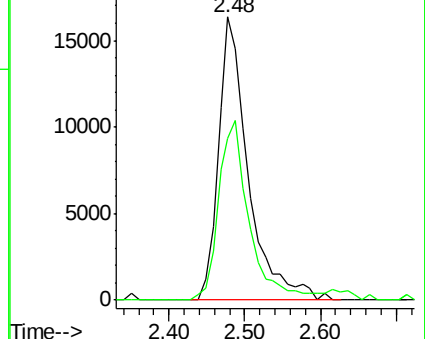
56 100

55 57.4 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.899 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

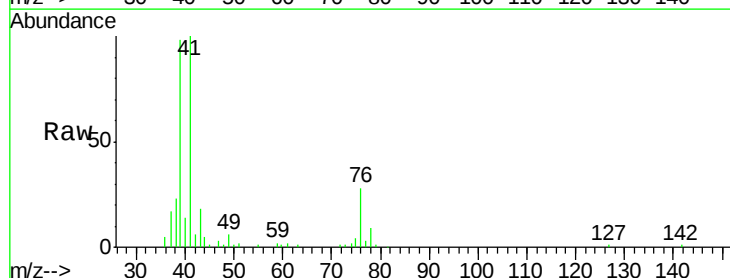
Tgt Ion: 41 Resp: 200083

Ion Ratio Lower Upper

41 100

39 98.3 79.5 119.3

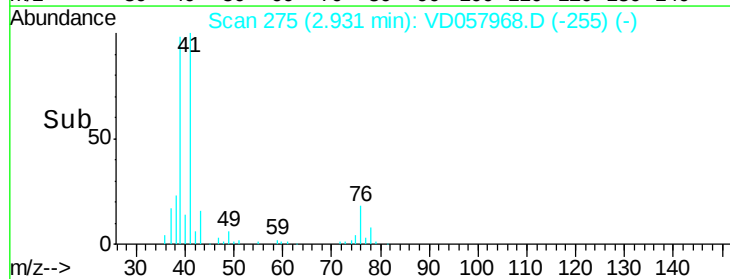
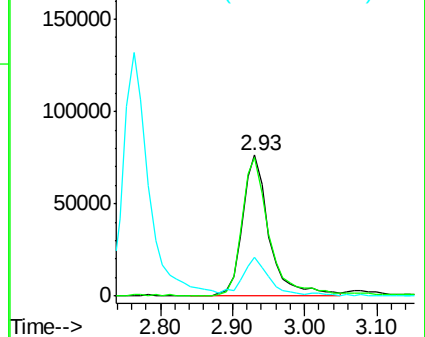
76 27.9 20.7 31.1

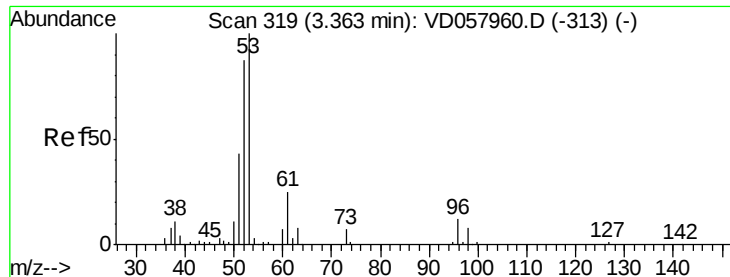


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.764 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

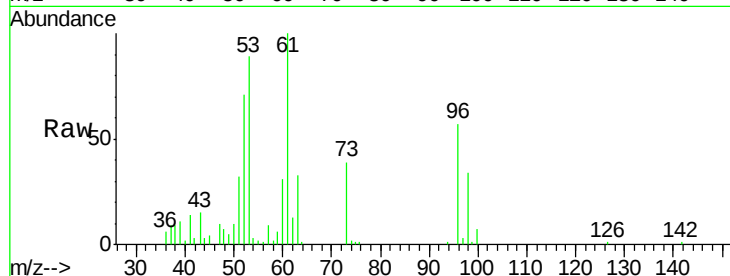
Tot Ion: 53 Resp: 171480

Ion Ratio Lower Upper

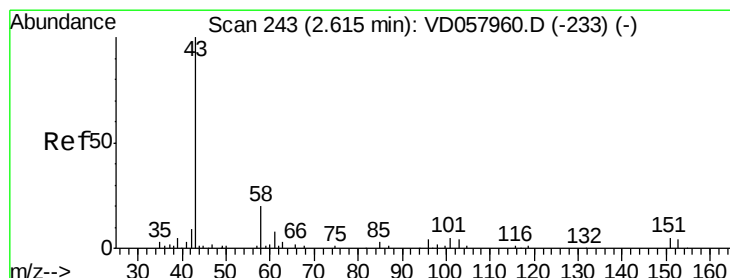
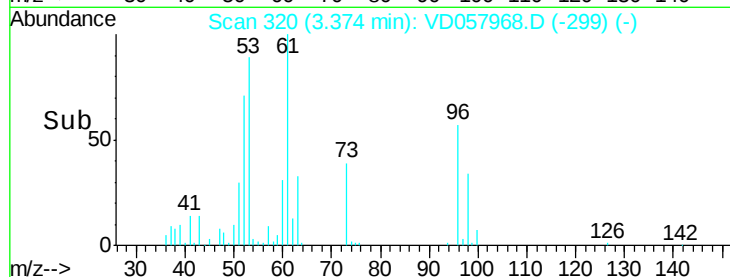
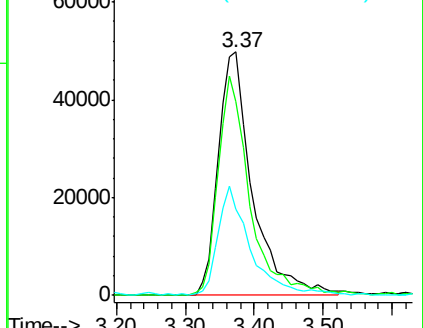
53 100

52 79.7 69.9 104.9

51 35.4 34.3 51.5



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



#16

Acetone

Concen: 101.011 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057968.D

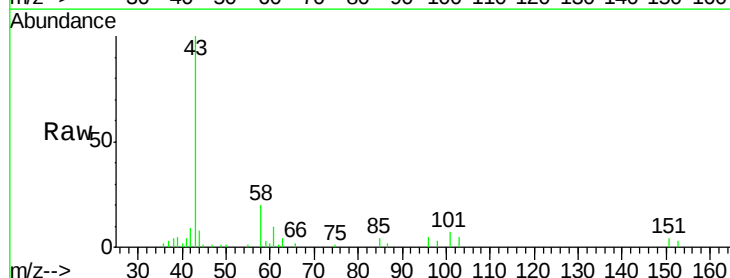
Acq: 7 Jun 2018 13:33

Tgt Ion: 43 Resp: 150560

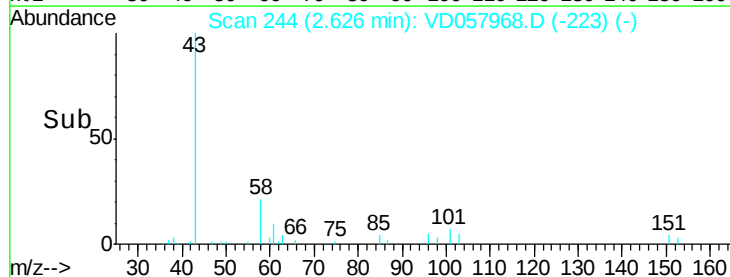
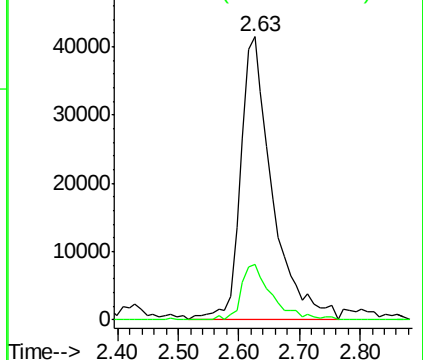
Ion Ratio Lower Upper

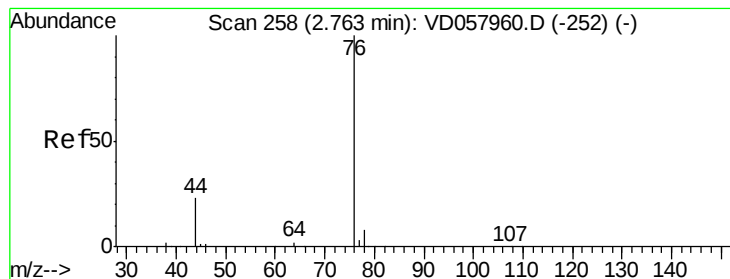
43 100

58 19.8 15.8 23.8



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





#17

Carbon Disulfide

Concen: 21.339 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

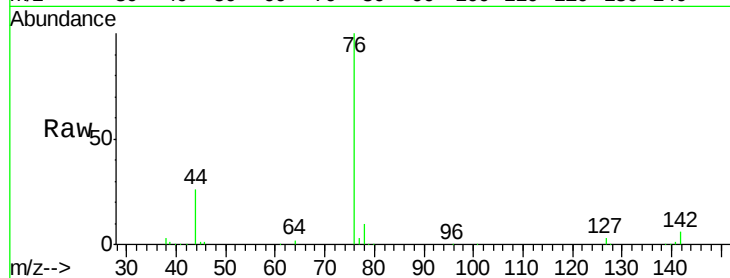
VD0607SBS01

Tot Ion: 76 Resp: 320837

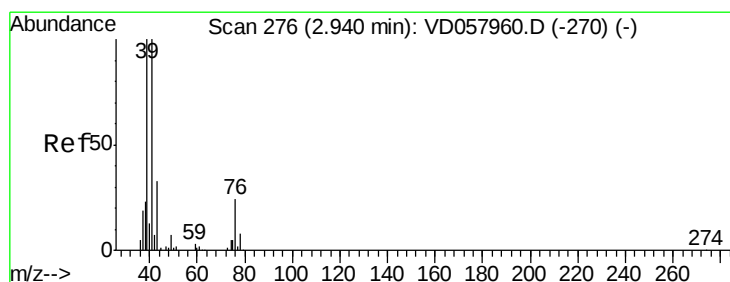
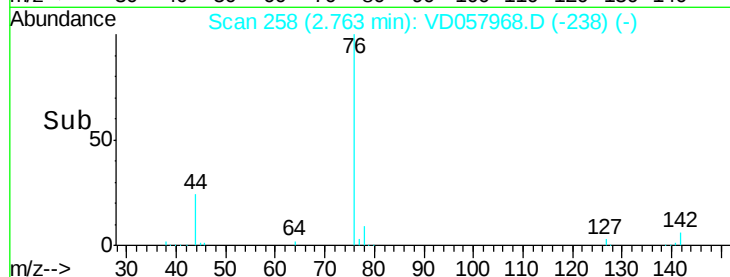
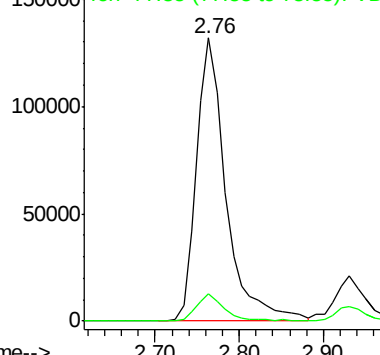
Ion Ratio Lower Upper

76 100

78 9.8 6.7 10.1



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



#18

Methyl Acetate

Concen: 20.023 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD057968.D

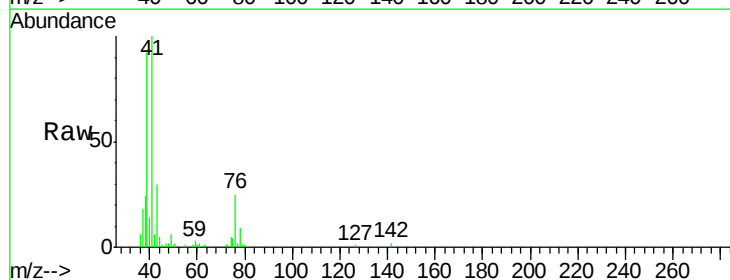
Acq: 7 Jun 2018 13:33

Tgt Ion: 43 Resp: 57733

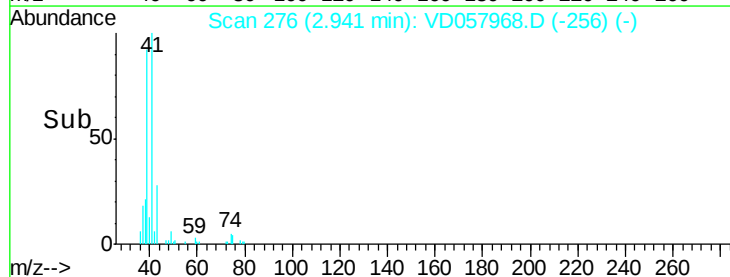
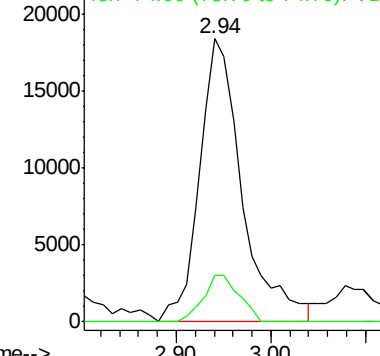
Ion Ratio Lower Upper

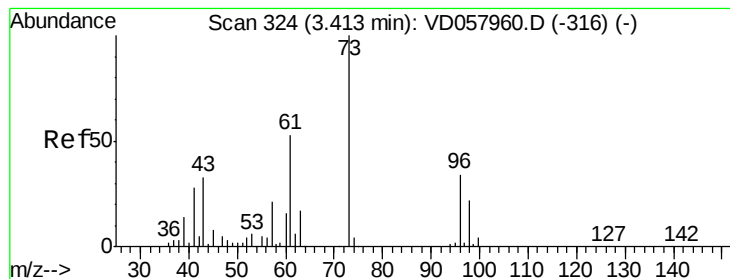
43 100

74 16.3 11.2 16.8



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



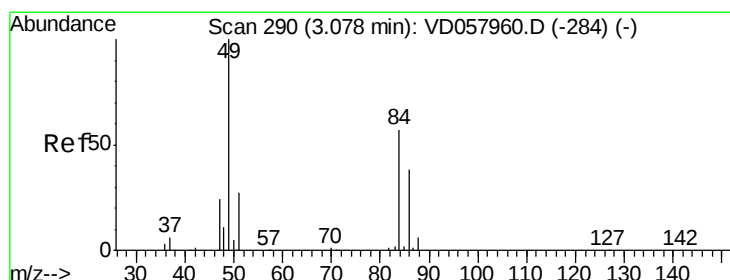
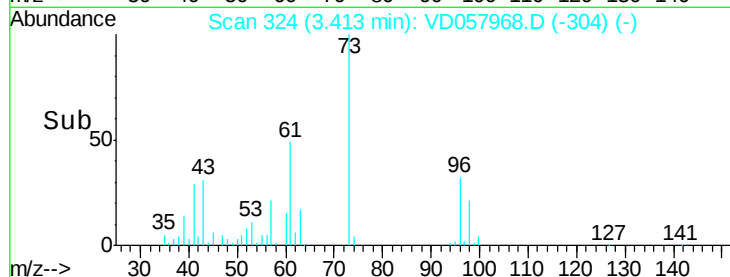
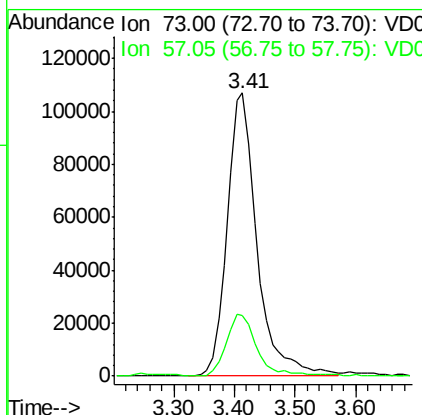
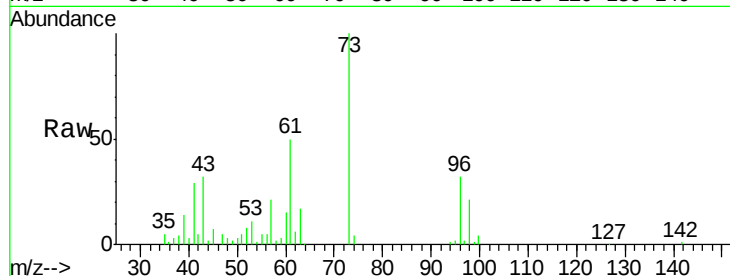


#19

Methyl tert-butyl Ether
 Concen: 20.045 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

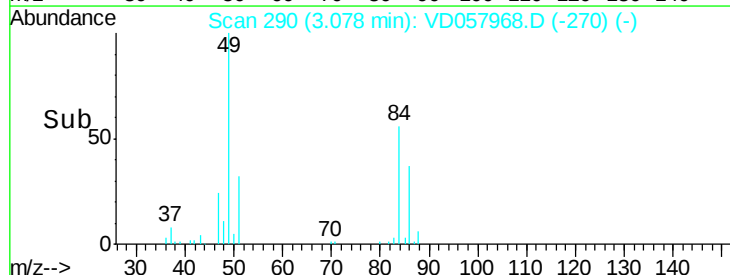
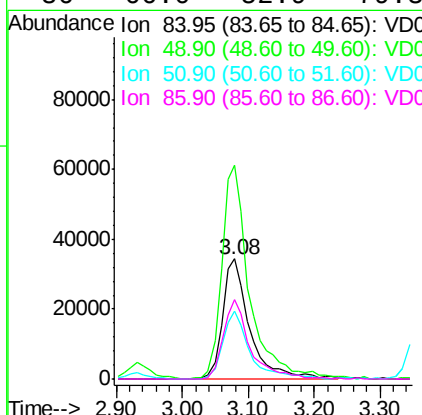
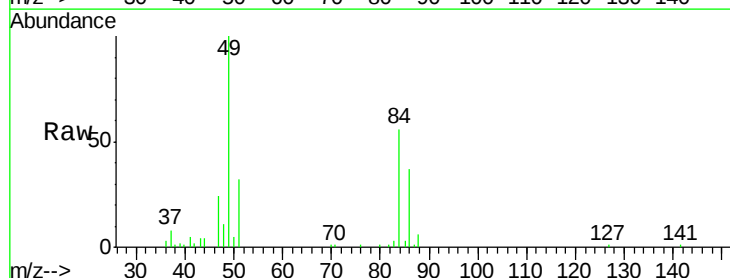
Tot Ion: 73 Resp: 366065
 Ion Ratio Lower Upper
 73 100
 57 21.3 16.7 25.1

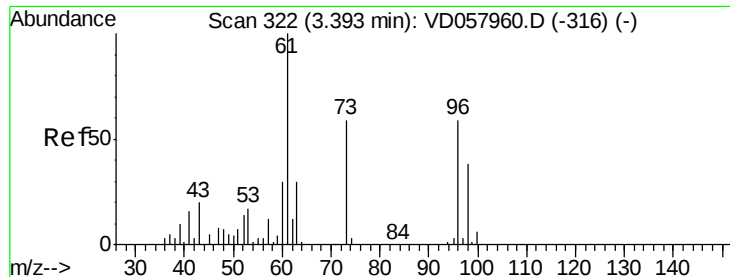


#20

Methylene Chloride
 Concen: 22.932 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion: 84 Resp: 98886
 Ion Ratio Lower Upper
 84 100
 49 177.7 141.4 212.0
 51 56.5 38.3 57.5
 86 66.0 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 20.791 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

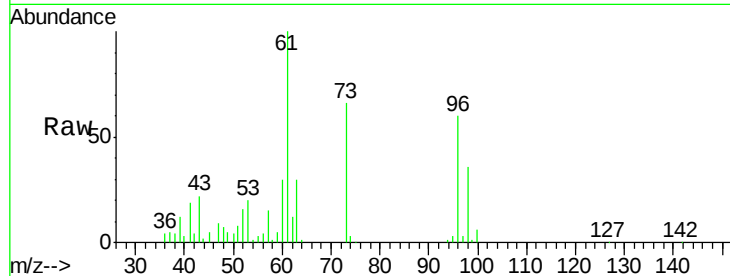
Tot Ion: 96 Resp: 192194

Ion Ratio Lower Upper

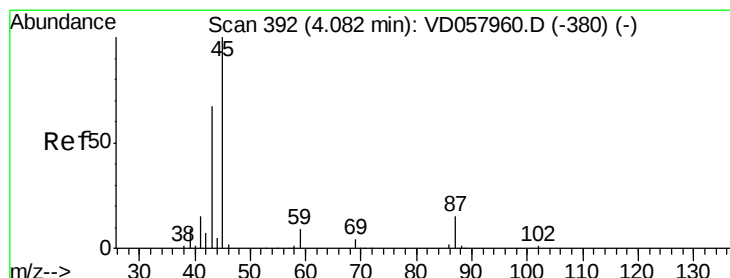
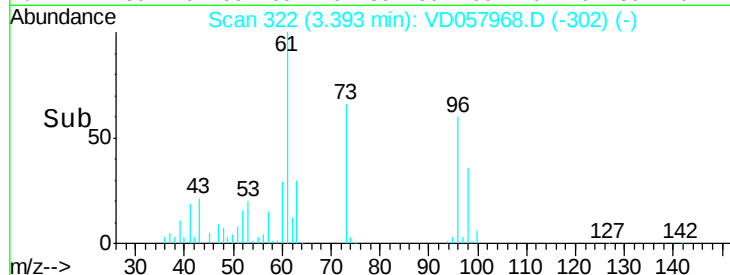
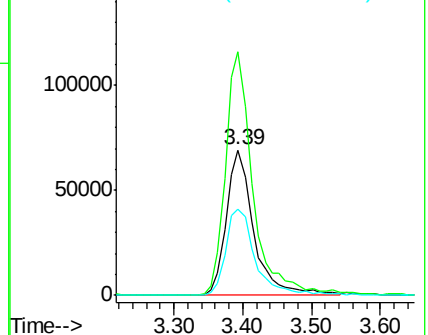
96 100

61 167.2 135.2 202.8

98 59.5 51.7 77.5



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



#22

Diisopropyl ether

Concen: 20.016 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Tgt Ion: 45 Resp: 759192

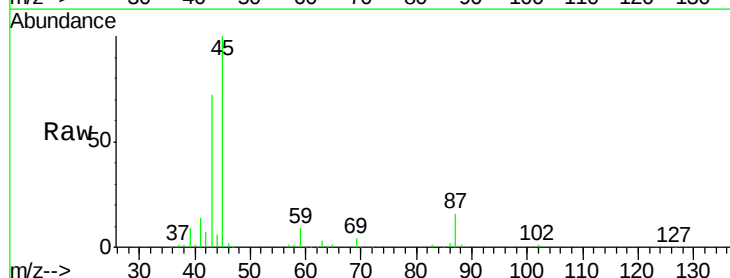
Ion Ratio Lower Upper

45 100

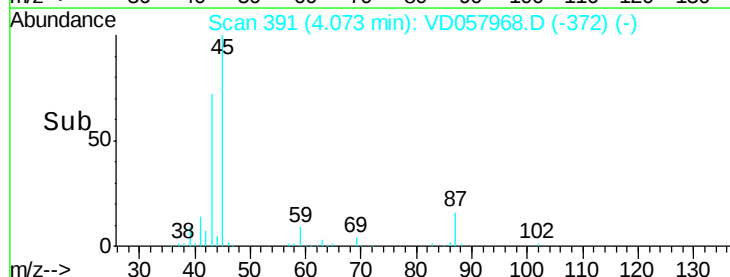
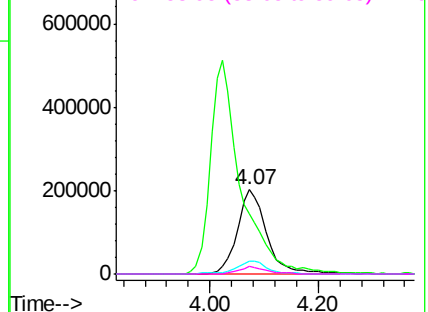
43 71.7 53.8 80.8

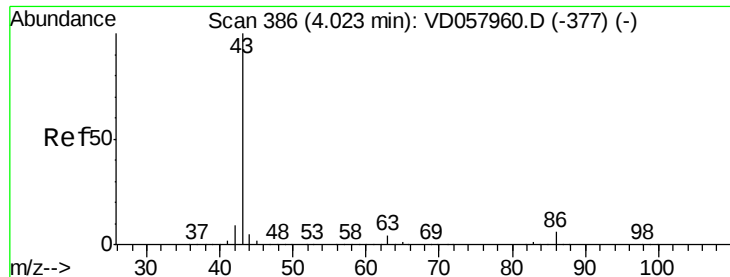
87 15.5 12.5 18.7

59 9.1 7.3 10.9



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





#23

Vinyl Acetate

Concen: 100.391 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

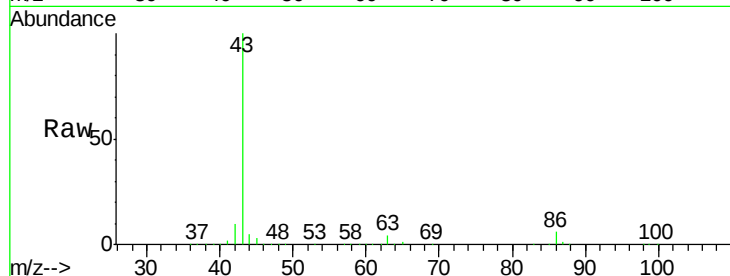
MSVOA_D

ClientSampleId :

VD0607SBS01

Tot Ion: 43 Resp: 1967391

Ion	Ratio	Lower	Upper
43	100		
86	5.8	4.7	7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.02

500000

400000

300000

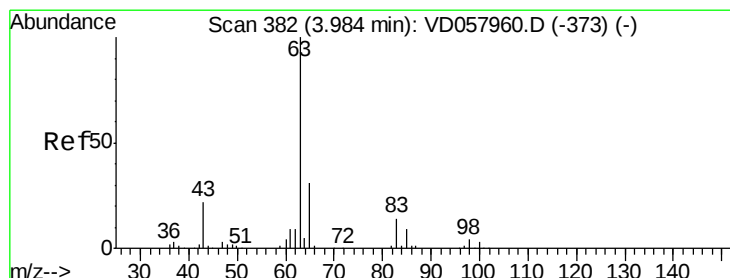
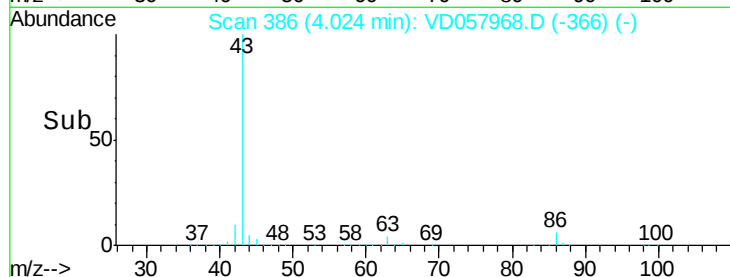
200000

100000

0

Time-->

3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 20.598 ug/l

RT: 3.97 min Scan# 381

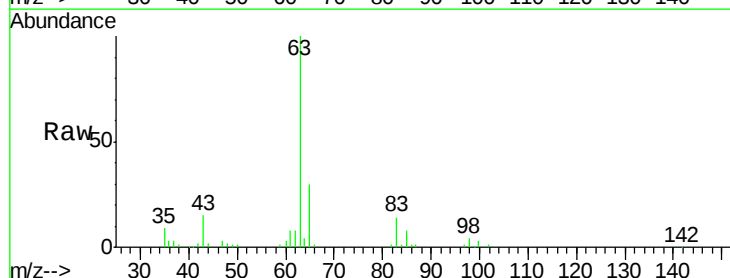
Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Tgt Ion: 63 Resp: 429386

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.0	5.8
100	2.7	1.4	4.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

3.97

150000

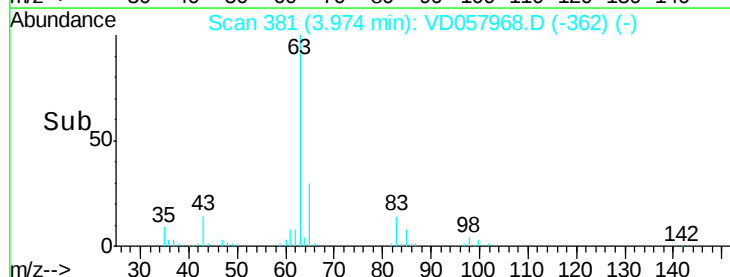
100000

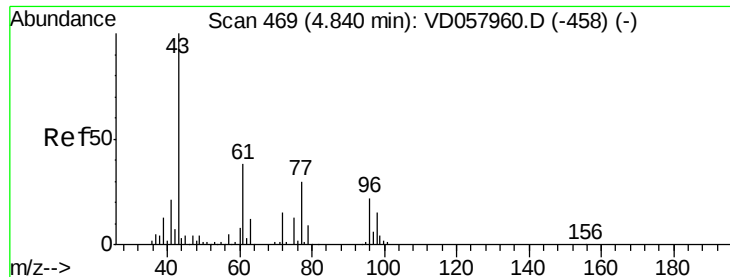
50000

0

Time-->

3.80 3.90 4.00 4.10 4.20





#25

2-Butanone

Concen: 96.264 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

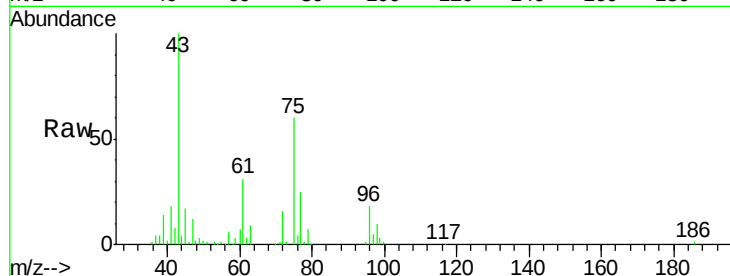
VD0607SBS01

Tot Ion: 43 Resp: 326086

Ion Ratio Lower Upper

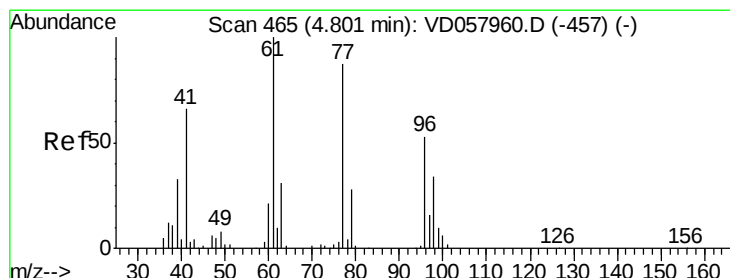
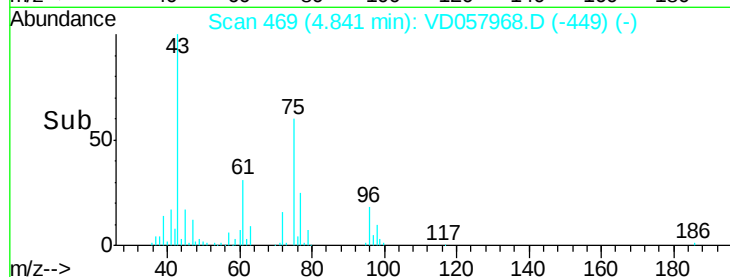
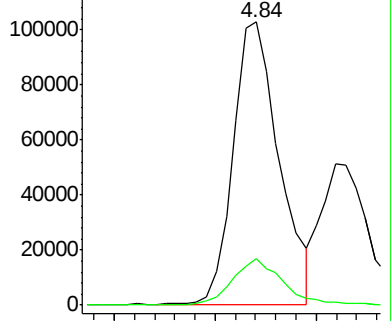
43 100

72 16.4 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.738 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD057968.D

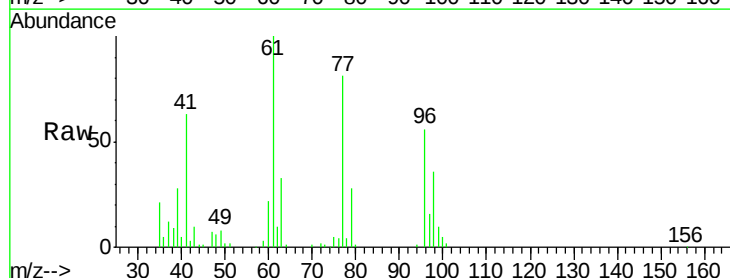
Acq: 7 Jun 2018 13:33

Tgt Ion: 77 Resp: 356106

Ion Ratio Lower Upper

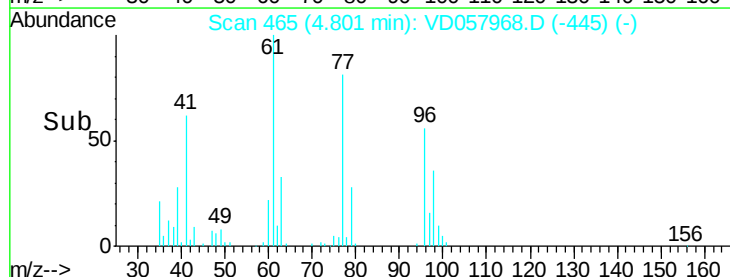
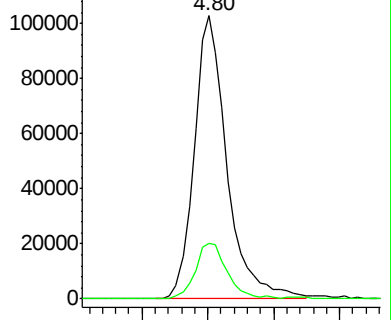
77 100

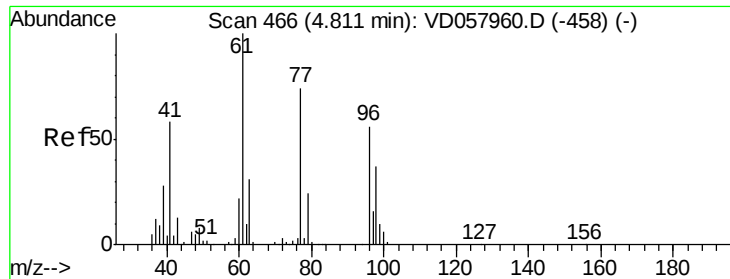
97 19.6 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

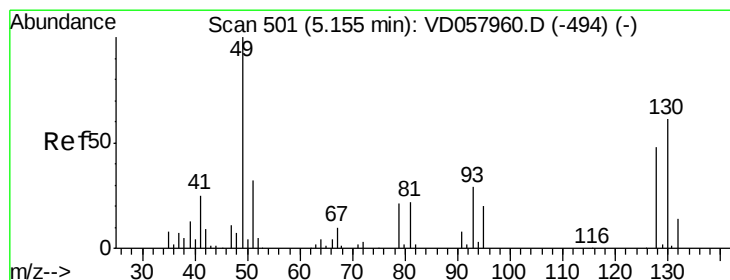
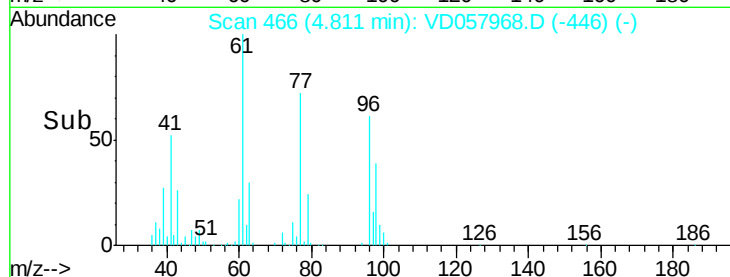
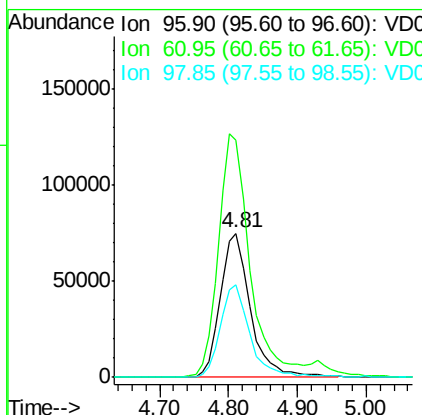
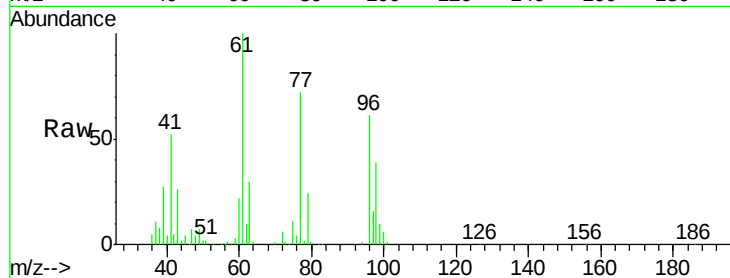




#27
 cis-1,2-Dichloroethene
 Concen: 20.720 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

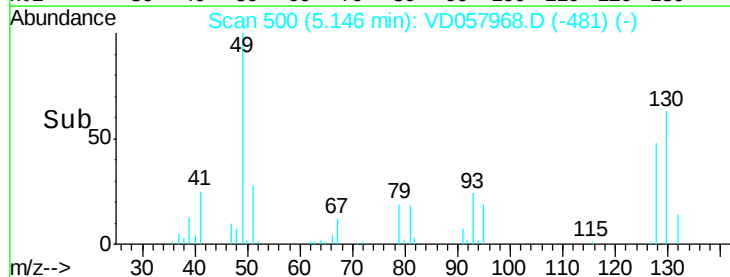
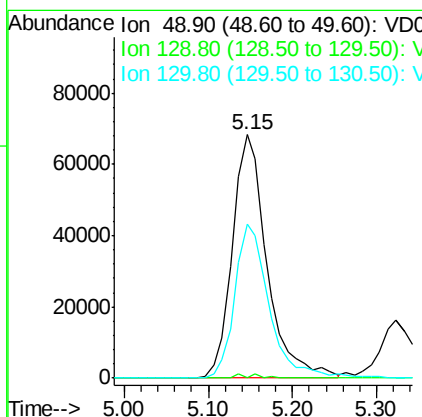
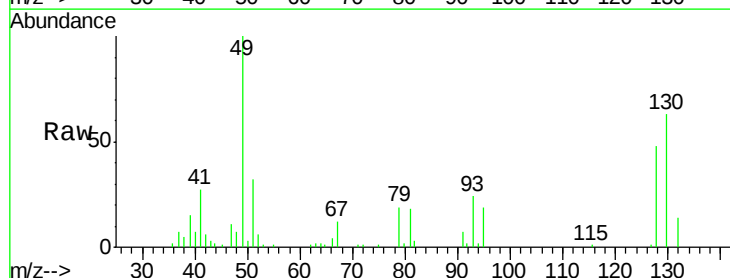
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

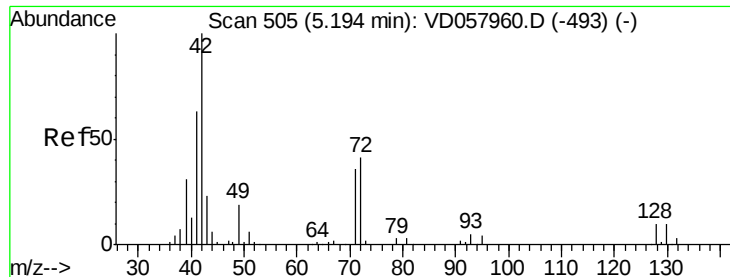
Tot Ion: 96 Resp: 227167
 Ion Ratio Lower Upper
 96 100
 61 164.5 0.0 355.0
 98 64.2 0.0 129.6



#28
 Bromochloromethane
 Concen: 21.588 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion: 49 Resp: 194776
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 63.1 48.8 73.2

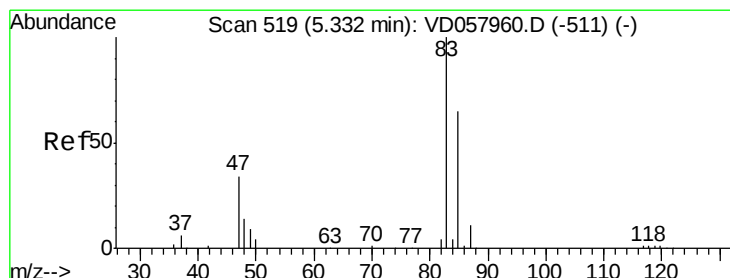
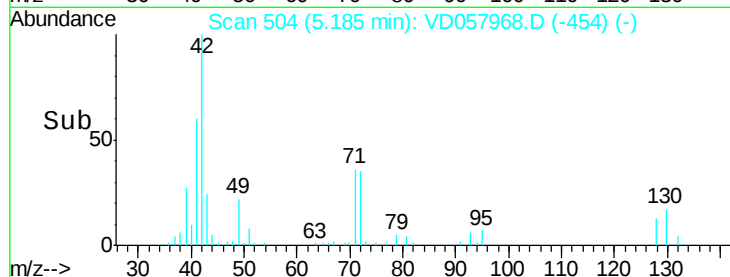
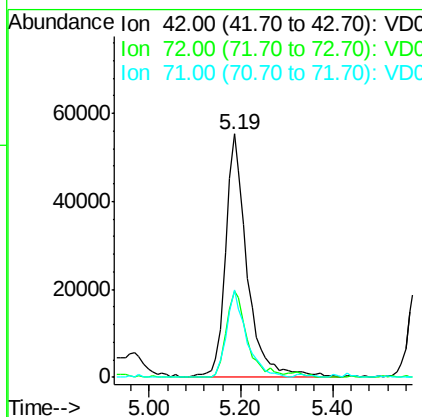
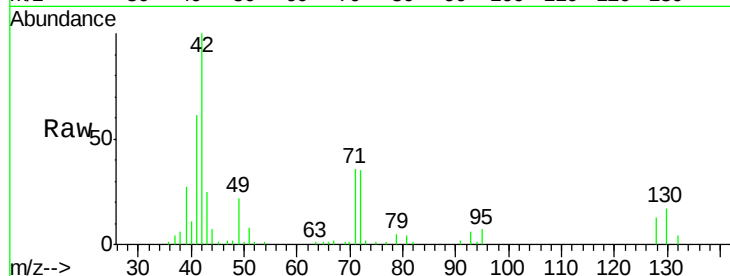




#29
Tetrahydrofuran
Concen: 102.241 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

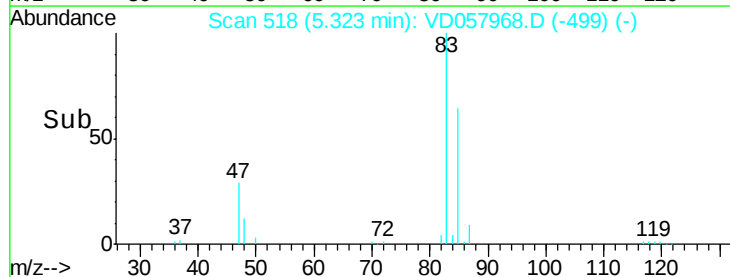
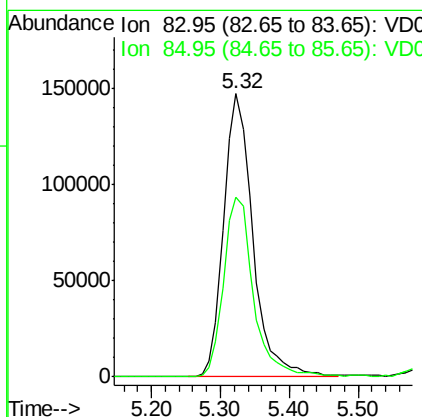
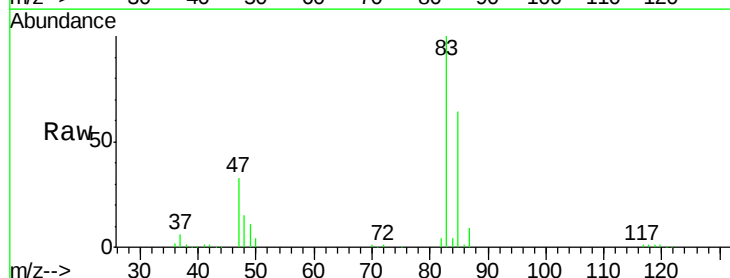
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

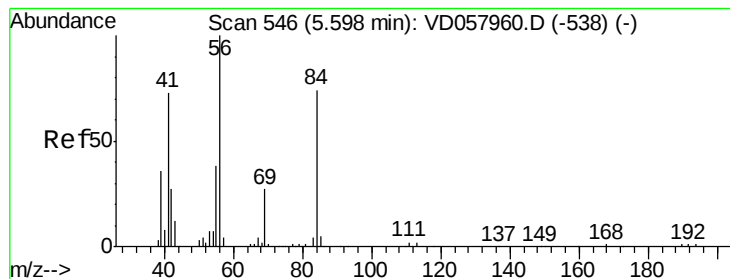
Tot Ion: 42 Resp: 181549
Ion Ratio Lower Upper
42 100
72 34.3 28.5 42.7
71 32.6 27.9 41.9



#30
Chloroform
Concen: 20.726 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion: 83 Resp: 434817
Ion Ratio Lower Upper
83 100
85 63.6 51.6 77.4





#31

Cyclohexane

Concen: 19.860 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

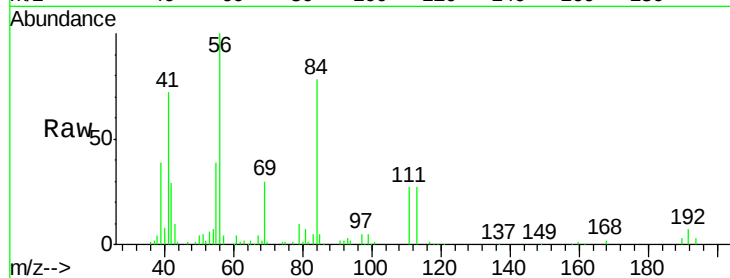
MSVOA_D

ClientSampleId :

VD0607SBS01

Tot Ion: 56 Resp: 357267

Ion	Ratio	Lower	Upper
56	100		
69	29.9	21.5	32.3
84	78.4	61.0	91.6



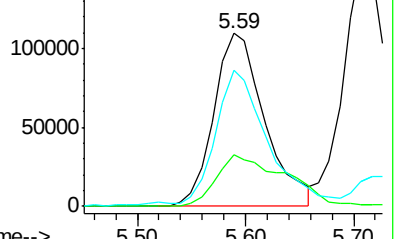
Abundance

Ion 55.95 (55.65 to 56.65): VDC

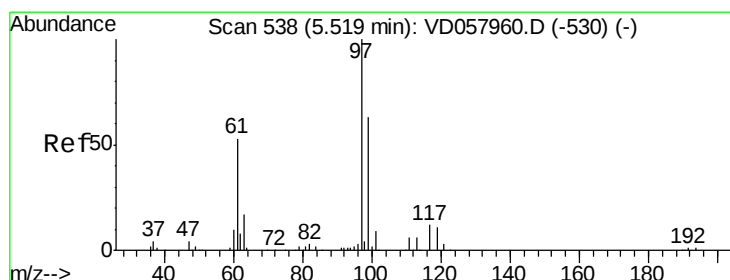
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

Time-->



Time-->



#32

1,1,1-Trichloroethane

Concen: 20.579 ug/l

RT: 5.51 min Scan# 537

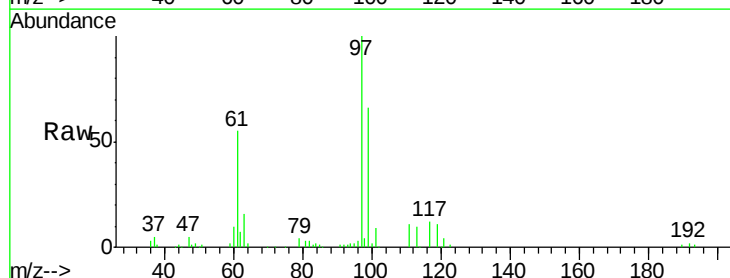
Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Tgt Ion: 97 Resp: 361486

Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.1	75.1
61	54.8	42.2	63.4



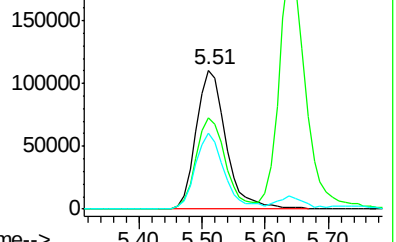
Abundance

Ion 96.85 (96.55 to 97.55): VDC

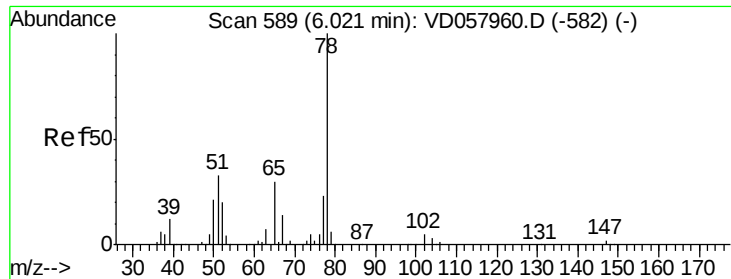
Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

Time-->



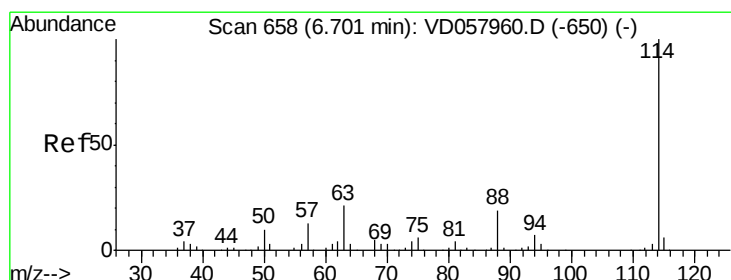
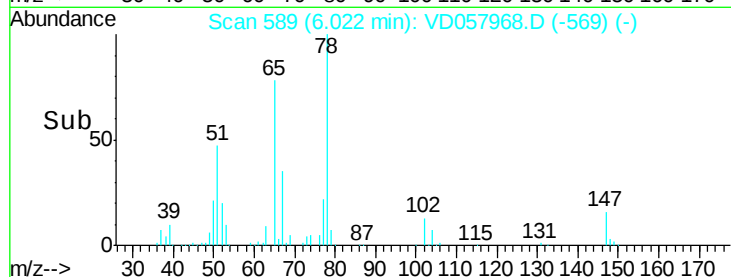
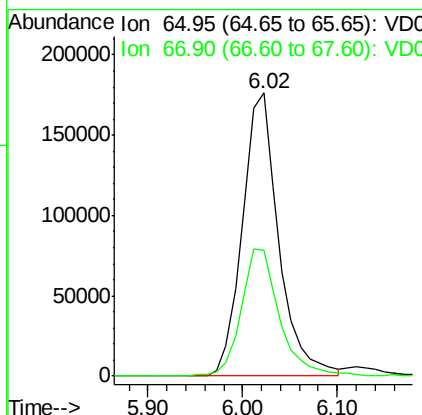
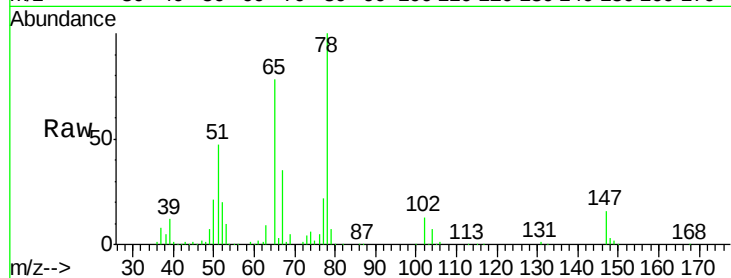
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 20.579 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

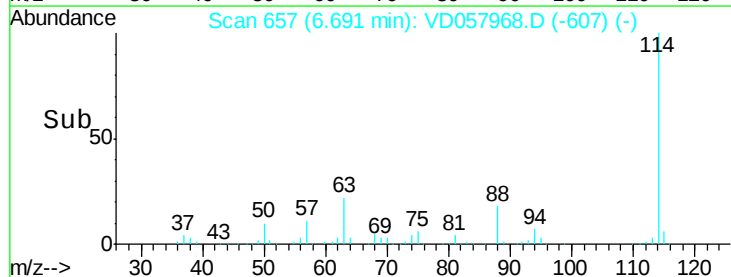
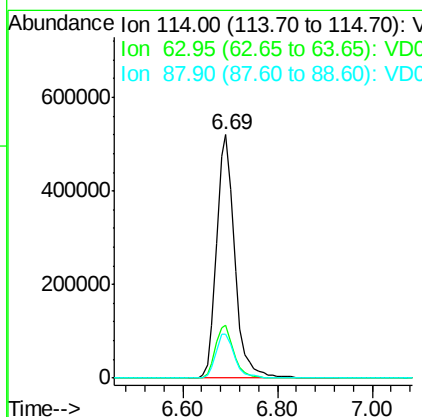
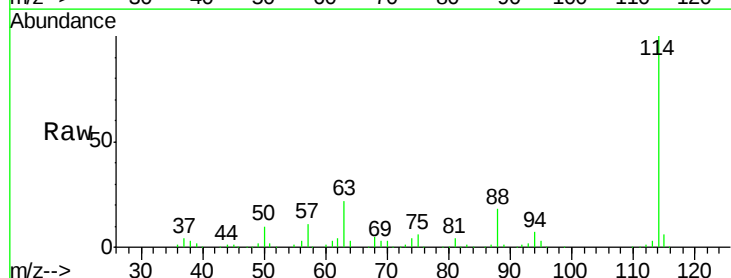
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

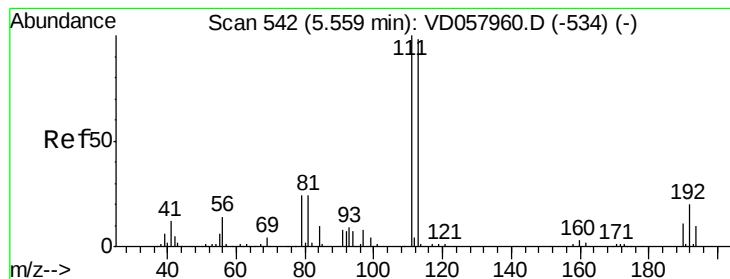
Tot Ion: 65 Resp: 469869
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion: 114 Resp: 1375259
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 18.2 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

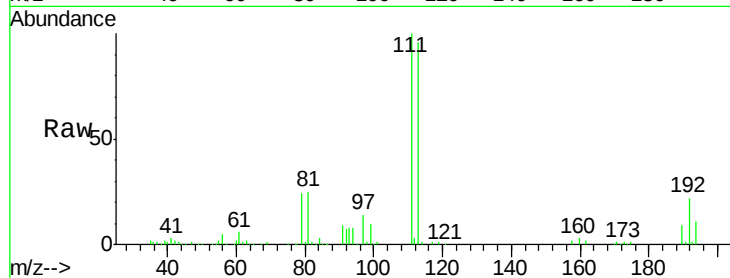
Tot Ion:113 Resp: 508578

Ion Ratio Lower Upper

113 100

111 103.9 81.5 122.3

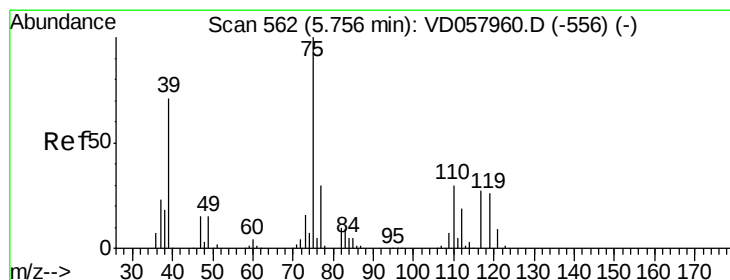
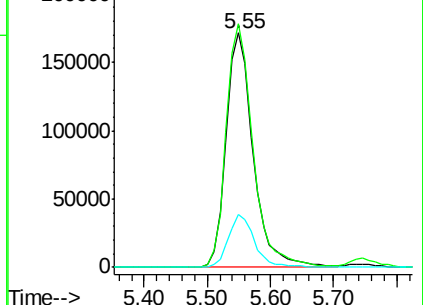
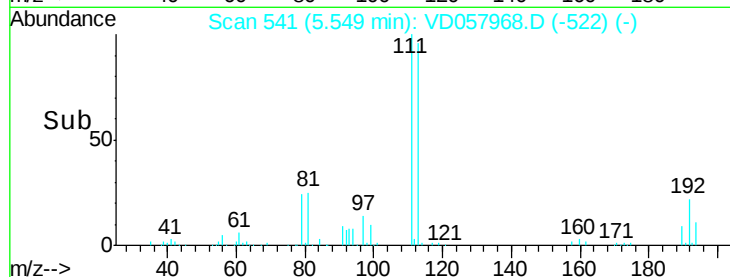
192 22.5 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.252 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

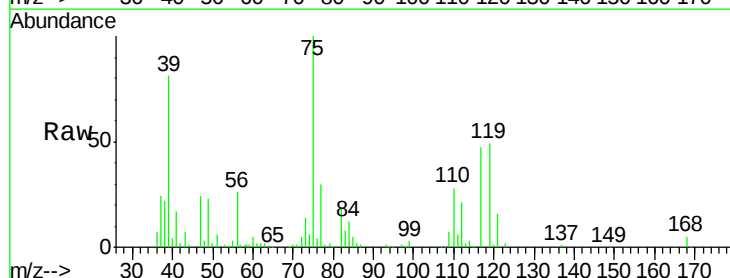
Tgt Ion: 75 Resp: 322001

Ion Ratio Lower Upper

75 100

110 28.3 14.8 44.3

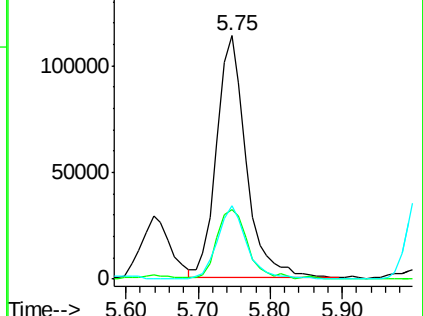
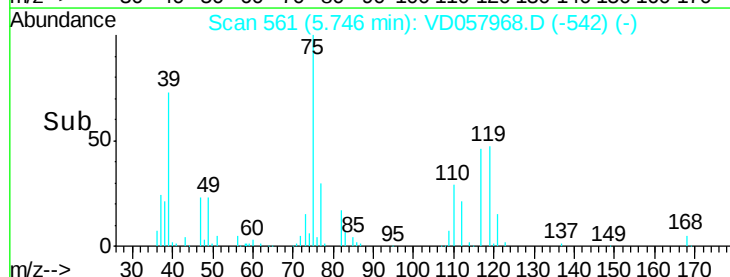
77 30.0 23.9 35.9

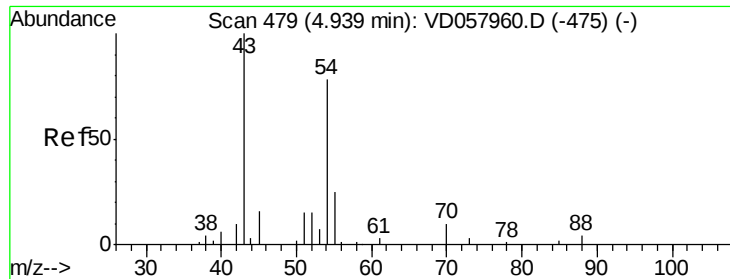


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

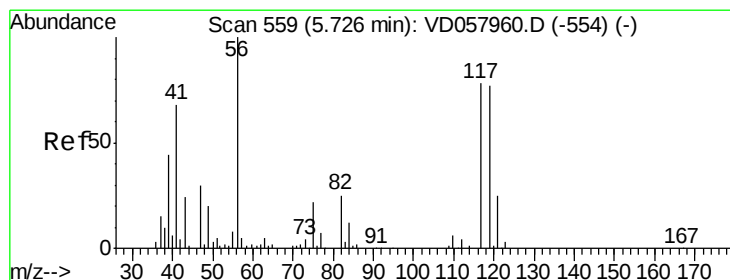
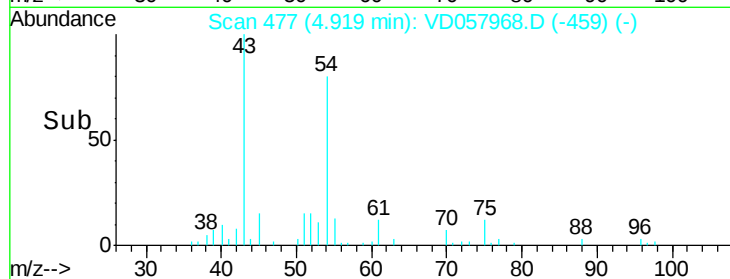
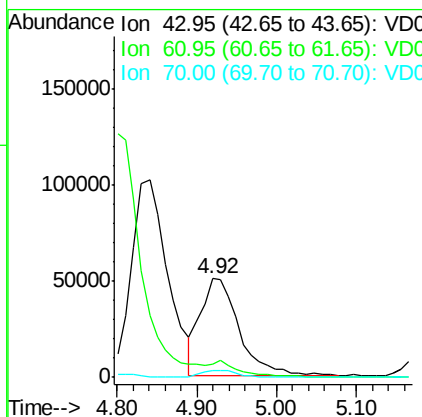
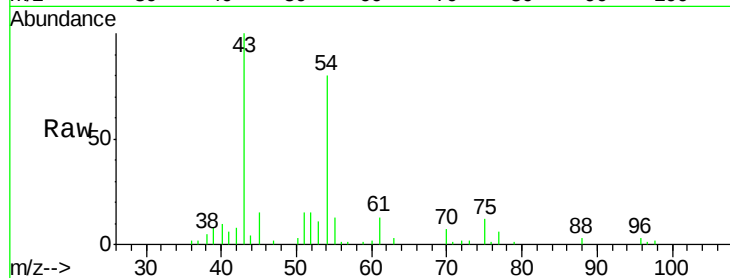




#37
Ethyl Acetate
Concen: 20.688 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

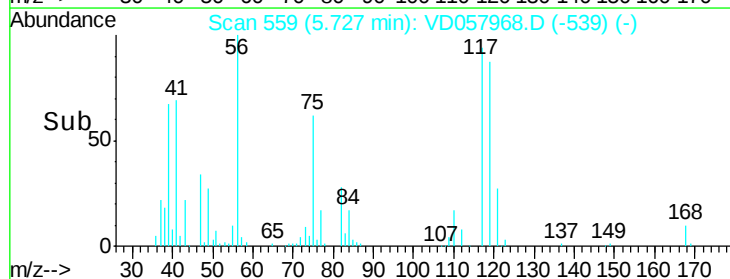
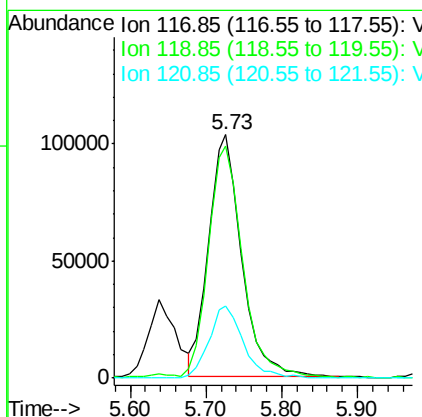
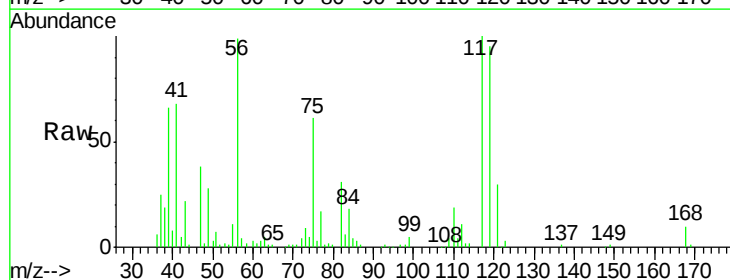
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

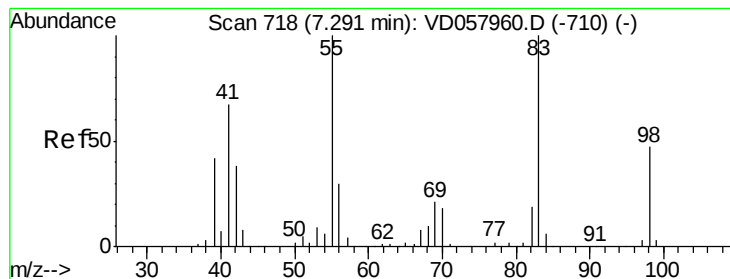
Tot Ion: 43 Resp: 171042
Ion Ratio Lower Upper
43 100
61 13.4 9.9 14.9
70 7.1 5.7 8.5



#38
Carbon Tetrachloride
Concen: 21.015 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion: 117 Resp: 313812
Ion Ratio Lower Upper
117 100
119 95.2 76.1 114.1
121 29.7 24.9 37.3





#39

Methvlcvclohexane

Concen: 21.111 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

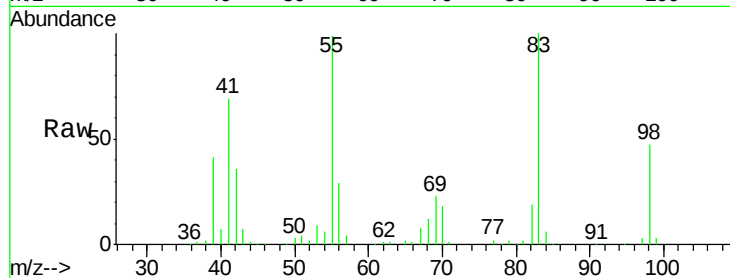
Tot Ion: 83 Resp: 317089

Ion Ratio Lower Upper

83 100

55 98.7 80.3 120.5

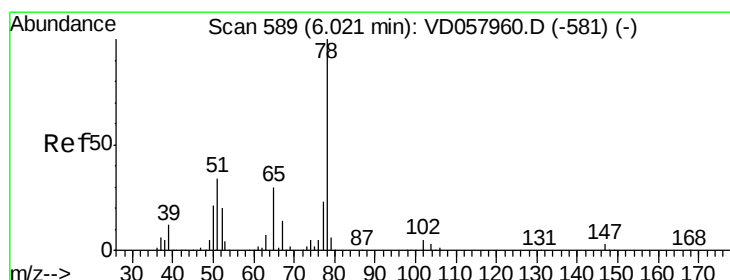
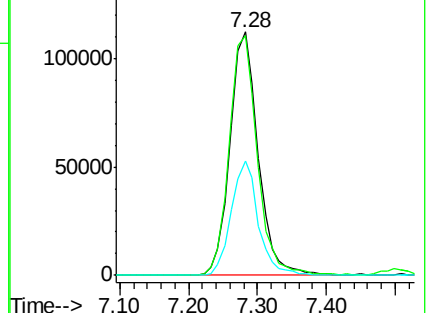
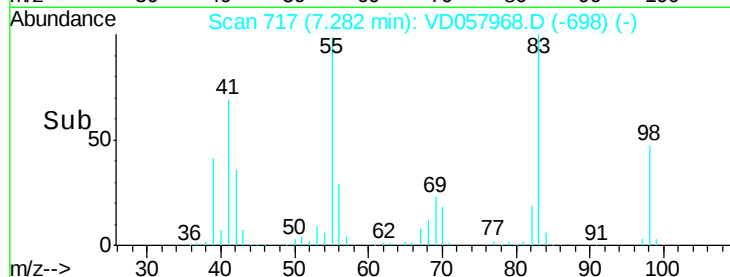
98 47.1 38.0 57.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.729 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057968.D

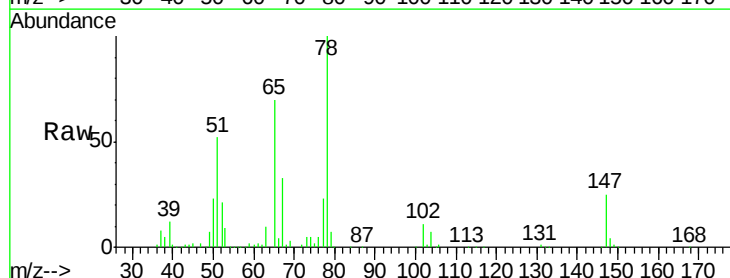
Acq: 7 Jun 2018 13:33

Tgt Ion: 78 Resp: 698319

Ion Ratio Lower Upper

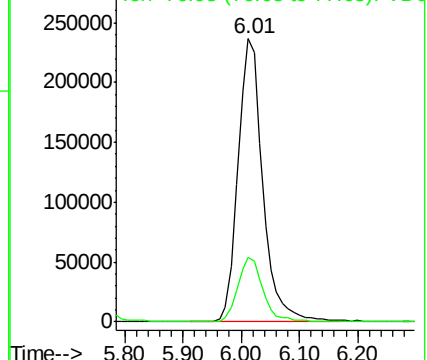
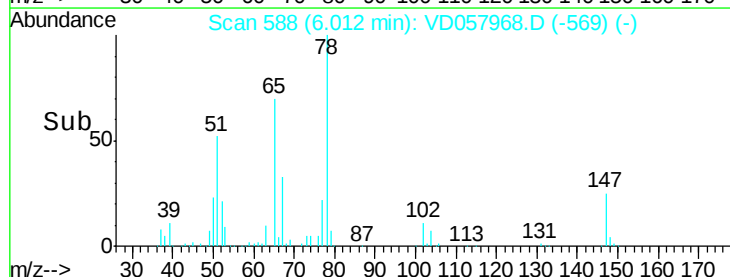
78 100

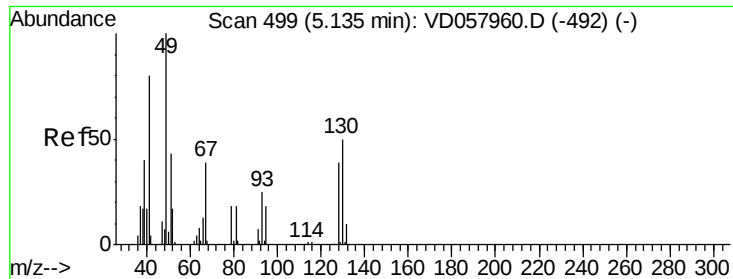
77 22.7 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

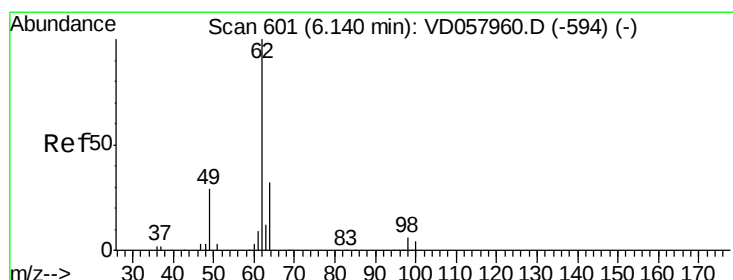
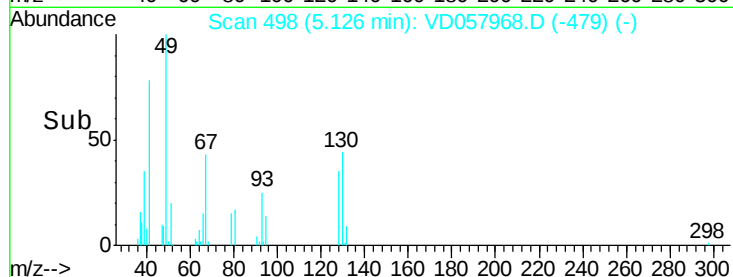
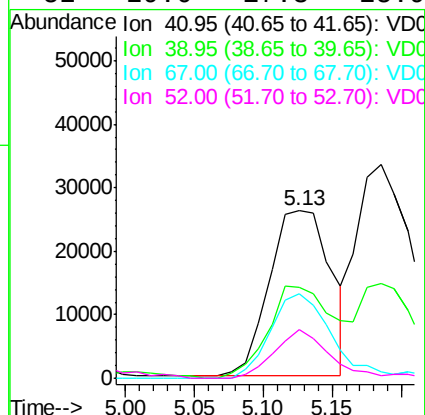
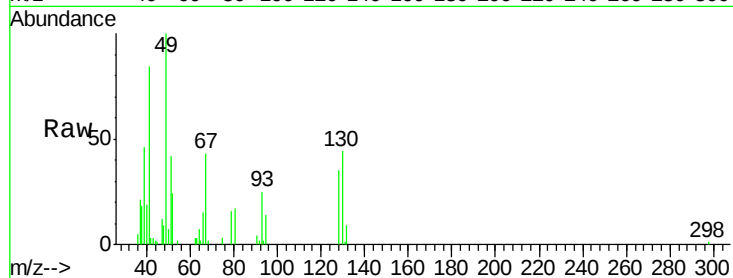




#41
Methacrylonitrile
Concen: 21.492 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

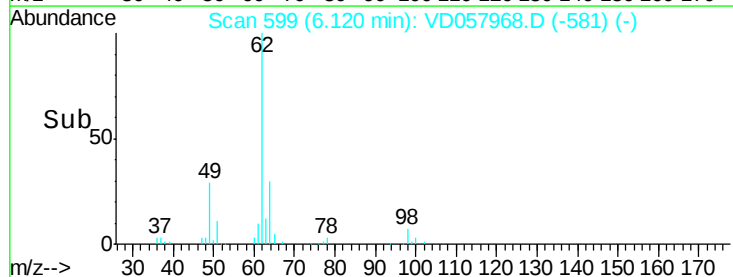
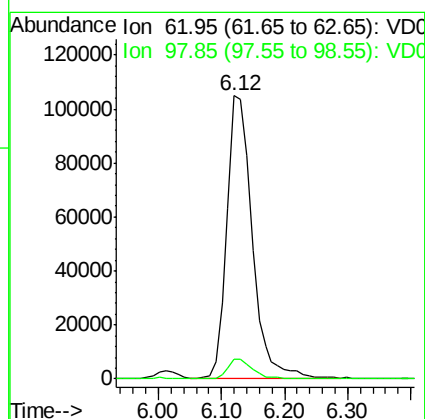
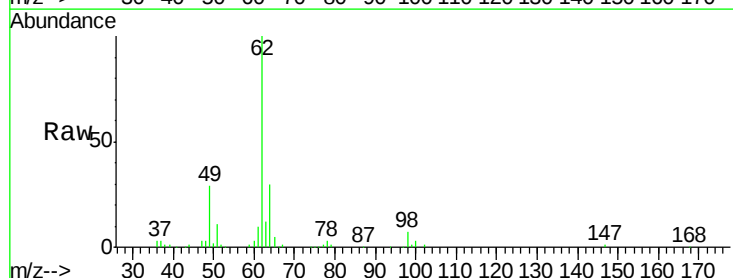
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

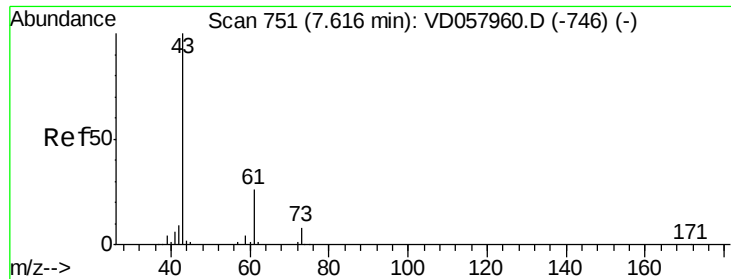
Tot Ion: 41 Resp: 81245
Ion Ratio Lower Upper
41 100
39 54.6 40.7 61.1
67 50.7 38.8 58.2
52 29.0 17.3 25.9#



#42
1,2-Dichloroethane
Concen: 20.628 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.02 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion: 62 Resp: 295213
Ion Ratio Lower Upper
62 100
98 6.9 0.0 12.8



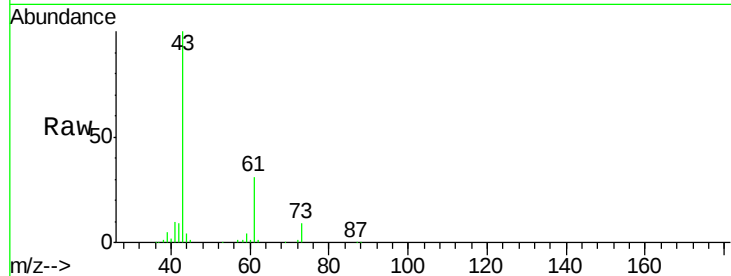


#43

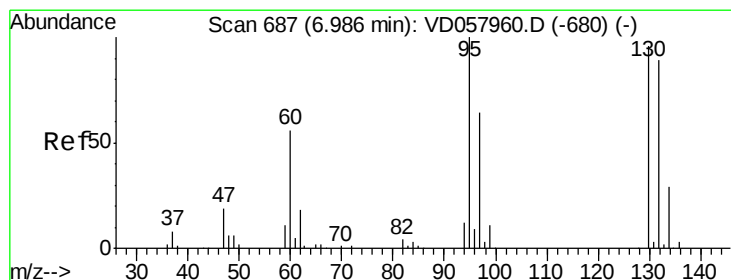
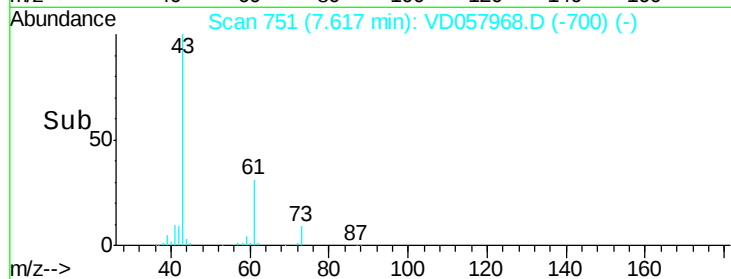
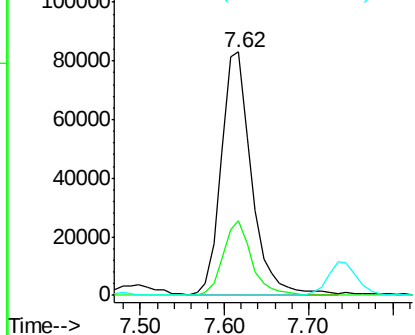
Isopropyl Acetate
 Concen: 19.255 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

Tot Ion: 43 Resp: 208514
 Ion Ratio Lower Upper
 43 100
 61 30.6 20.6 30.8
 87 0.4 0.2 0.4#



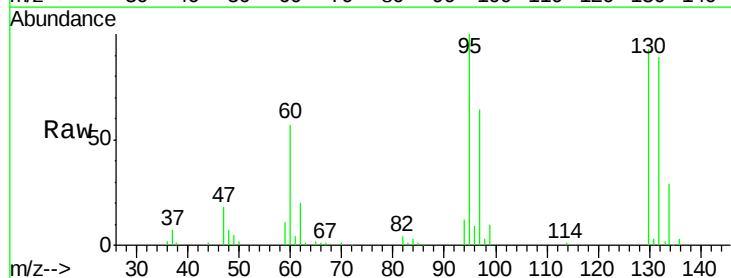
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



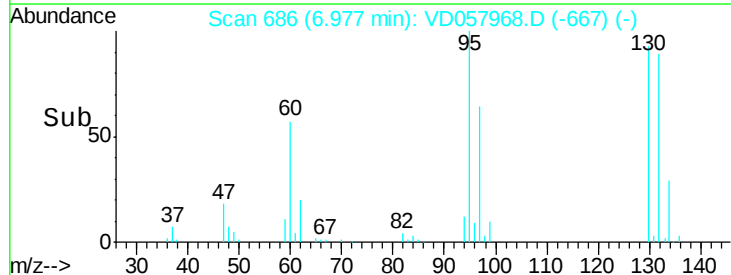
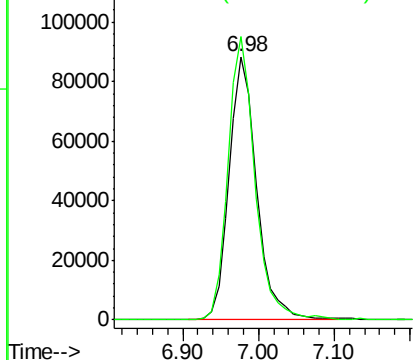
#44

Trichloroethene
 Concen: 21.441 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion:130 Resp: 221671
 Ion Ratio Lower Upper
 130 100
 95 107.5 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 19.307 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

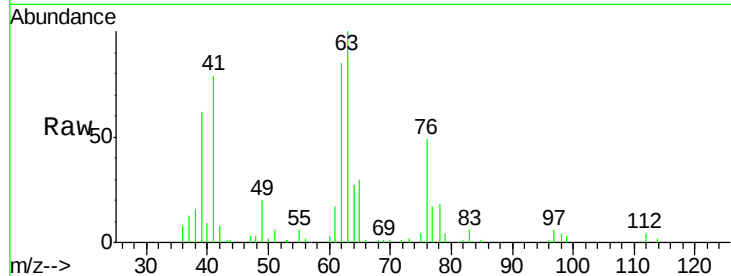
VD0607SBS01

Tot Ion: 63 Resp: 189934

Ion Ratio Lower Upper

63 100

65 29.7 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.34

80000

60000

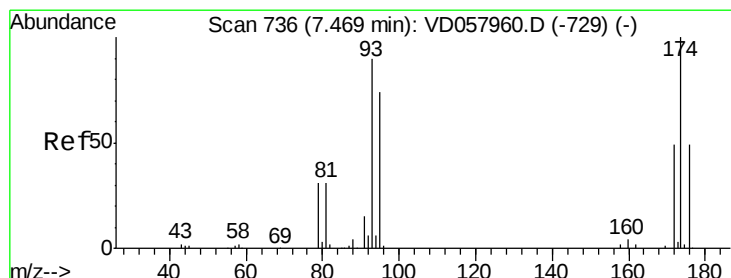
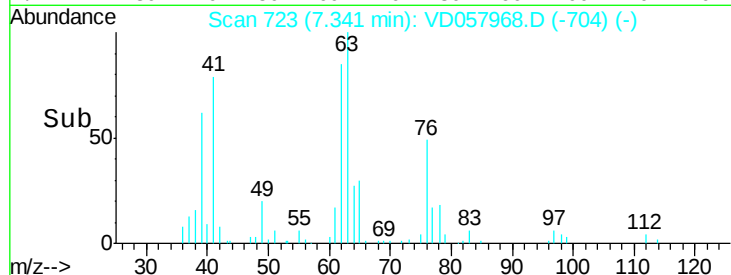
40000

20000

0

7.20 7.30 7.40 7.50

Time-->



#46

Dibromomethane

Concen: 20.381 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

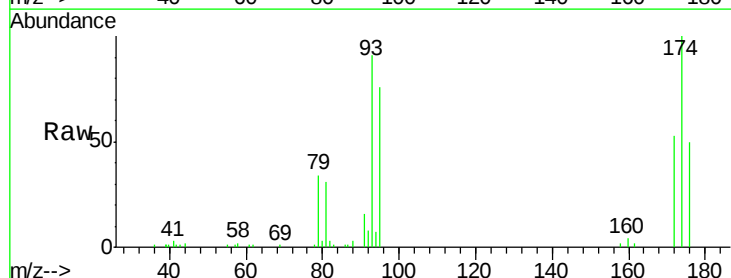
Tgt Ion: 93 Resp: 128801

Ion Ratio Lower Upper

93 100

95 83.5 65.7 98.5

174 110.0 89.0 133.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

80000

60000

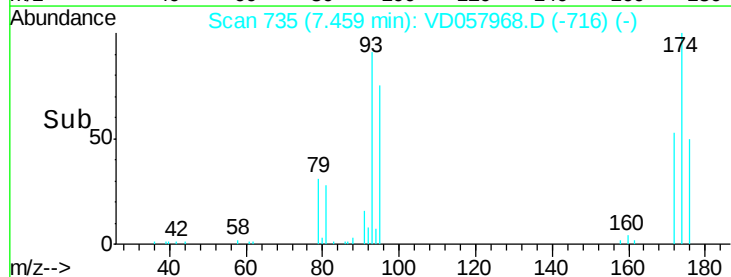
40000

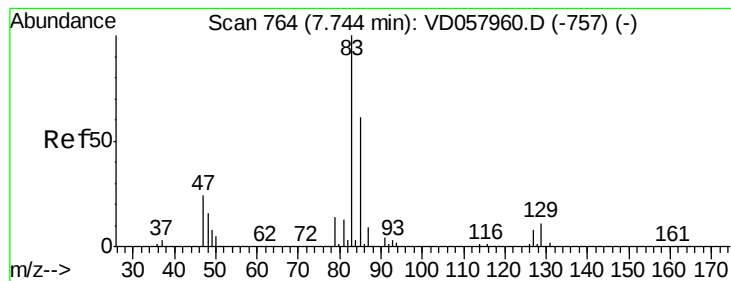
20000

0

7.40 7.50 7.60

Time-->





#47

Bromodichloromethane

Concen: 19.943 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

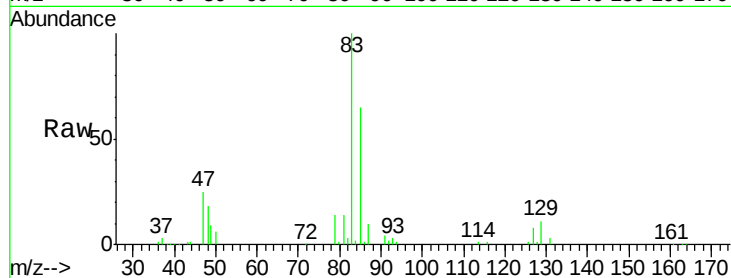
Tot Ion: 83 Resp: 295092

Ion Ratio Lower Upper

83 100

85 64.8 49.1 73.7

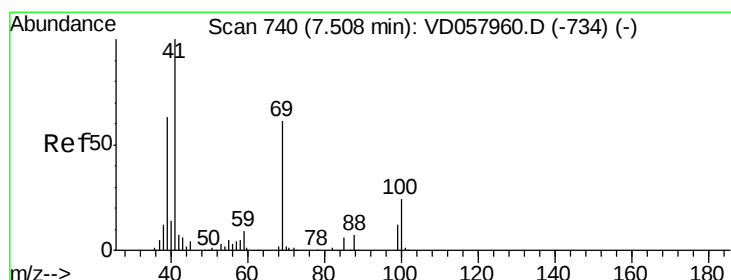
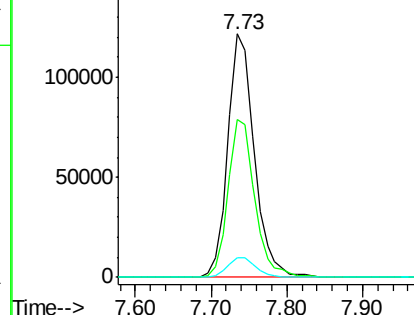
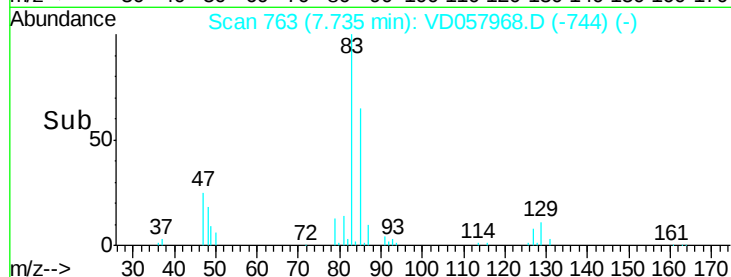
127 8.3 6.2 9.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.868 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

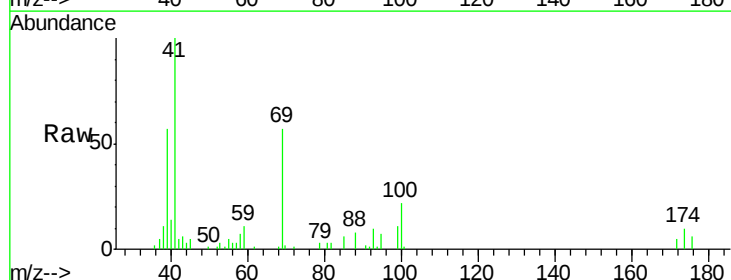
Tgt Ion: 41 Resp: 132427

Ion Ratio Lower Upper

41 100

69 57.1 48.0 72.0

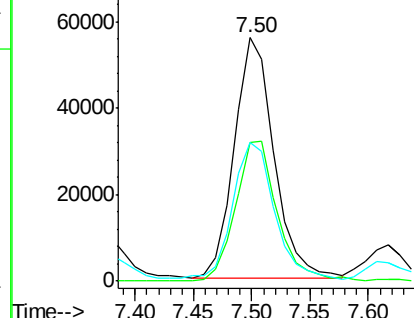
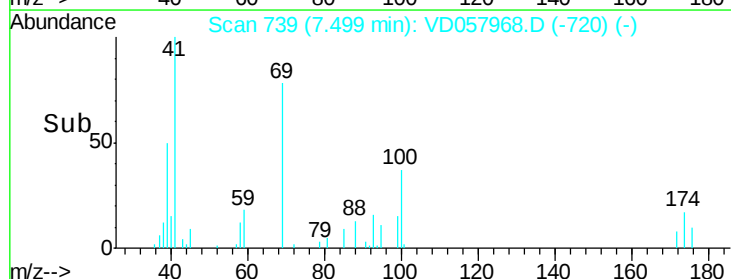
39 57.0 50.7 76.1

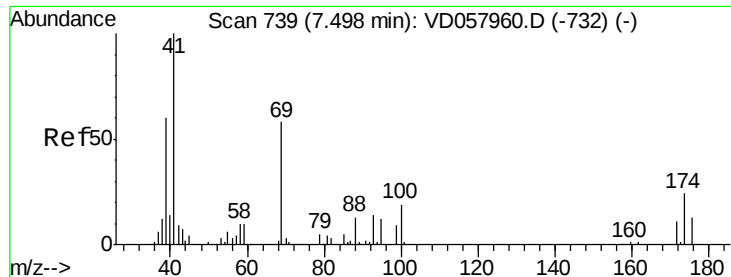


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

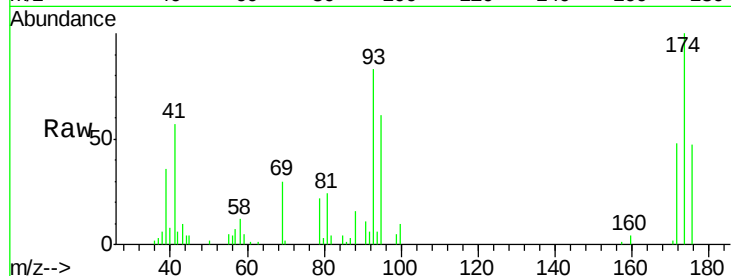




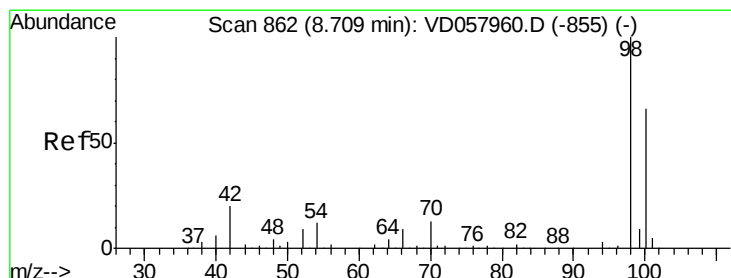
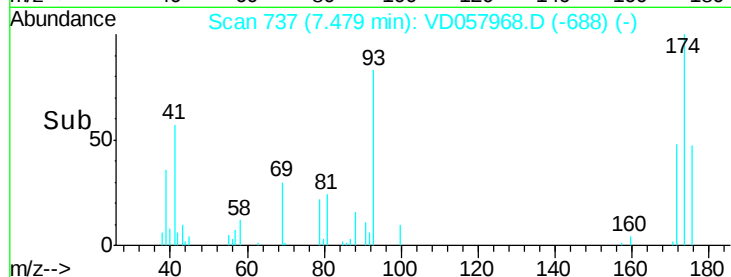
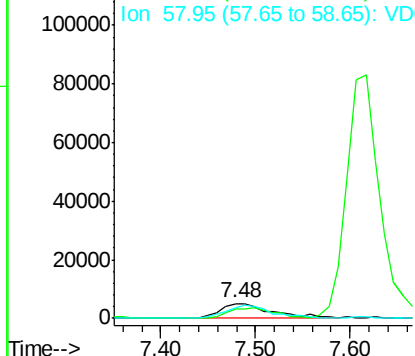
#49
1,4-Dioxane
Concen: 345.586 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

Tot Ion: 88 Resp: 19082
Ion Ratio Lower Upper
88 100
43 60.7 46.6 69.8
58 72.3 63.6 95.4

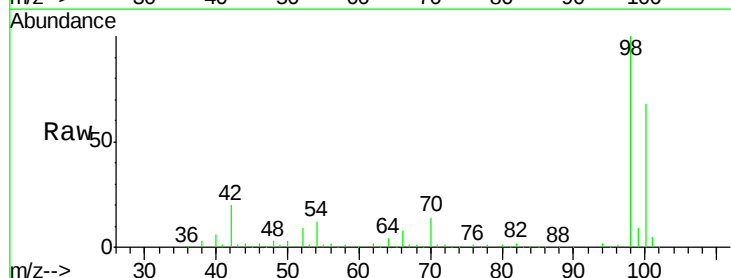


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

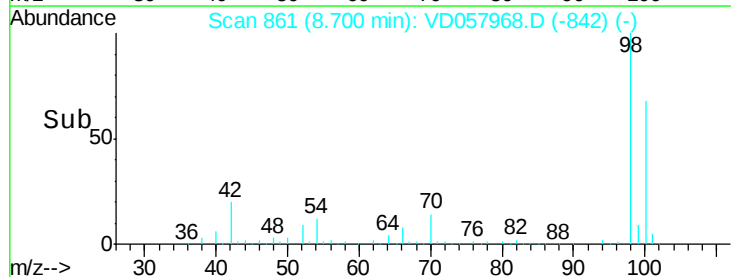
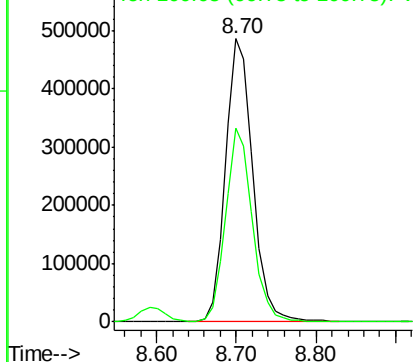


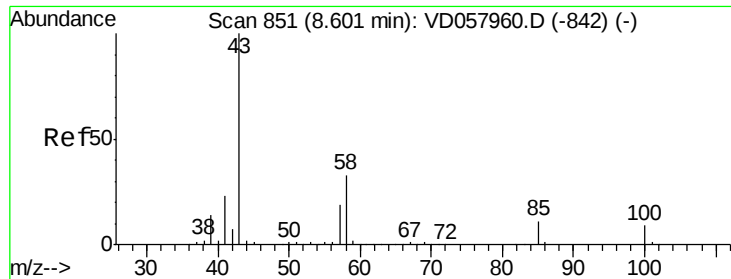
#50
Toluene-d8
Concen: 345.586 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion: 98 Resp: 1166536
Ion Ratio Lower Upper
98 100
100 68.3 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 102.398 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

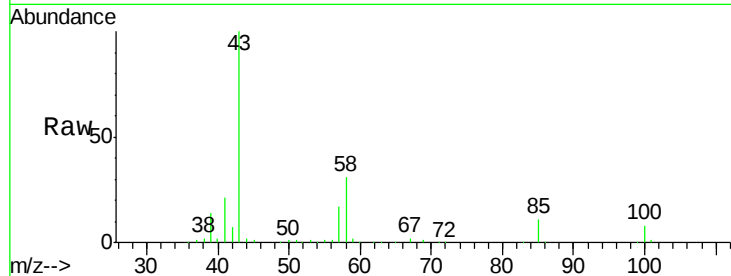
VD0607SBS01

Tot Ion: 43 Resp: 711250

Ion Ratio Lower Upper

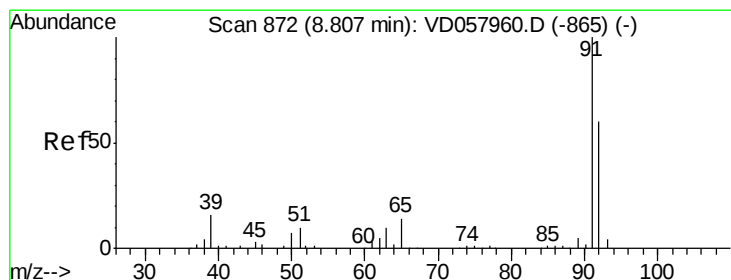
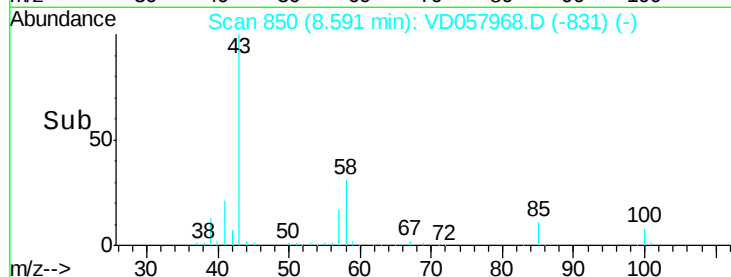
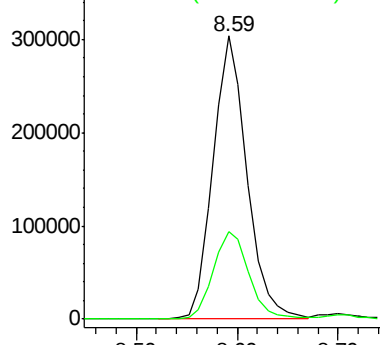
43 100

58 31.1 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.338 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD057968.D

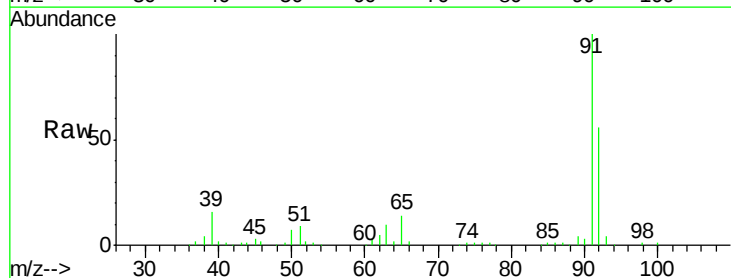
Acq: 7 Jun 2018 13:33

Tgt Ion: 92 Resp: 413133

Ion Ratio Lower Upper

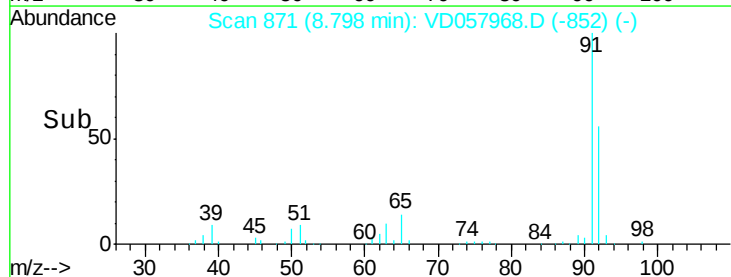
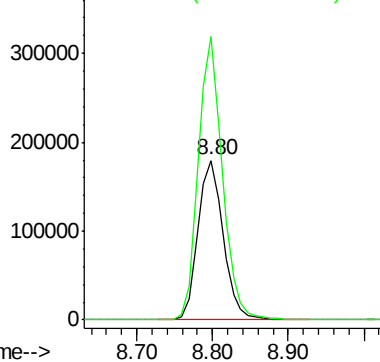
92 100

91 177.4 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

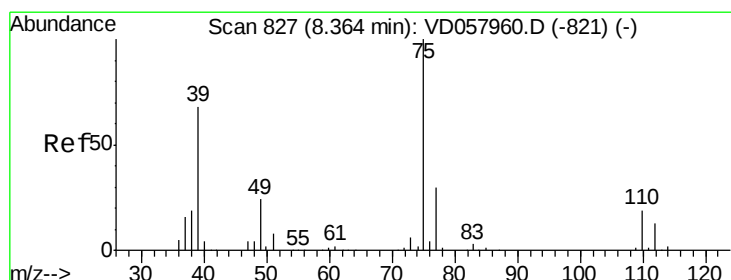
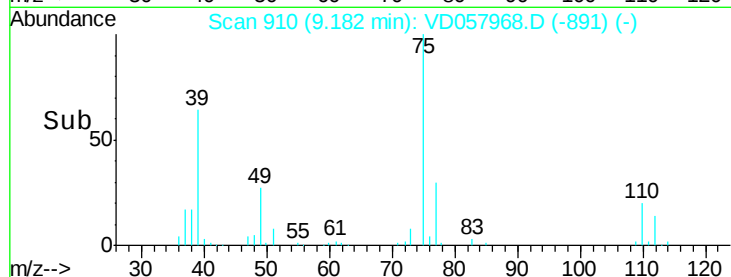
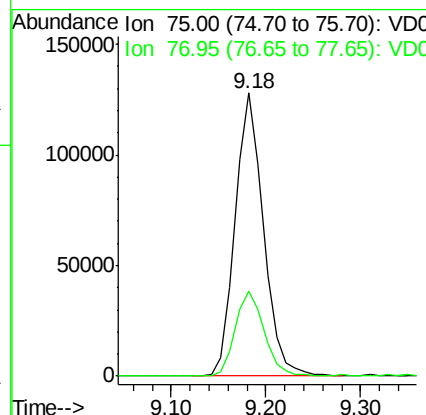
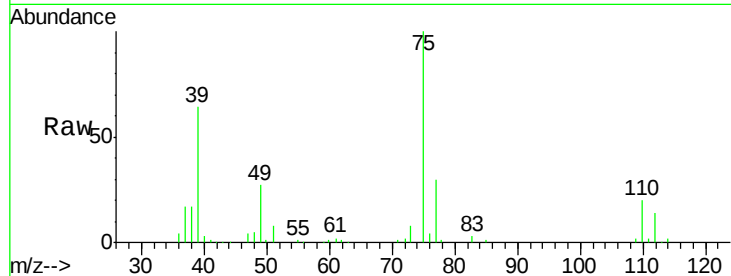




#53
 t-1,3-Dichloropropene
 Concen: 20.740 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

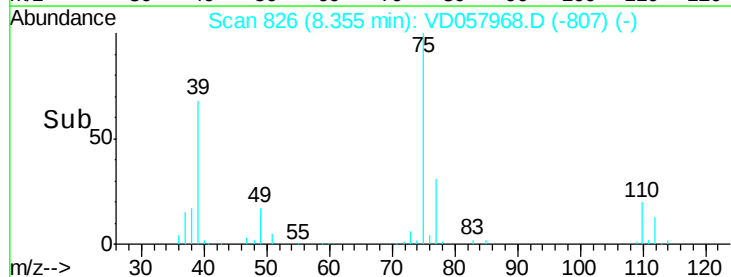
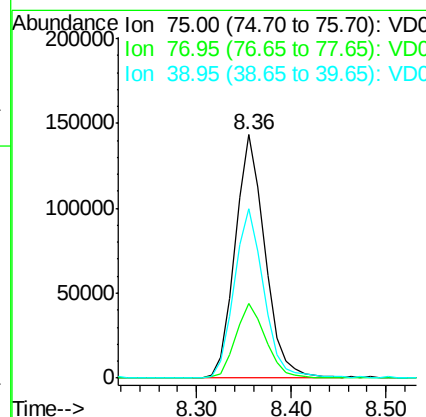
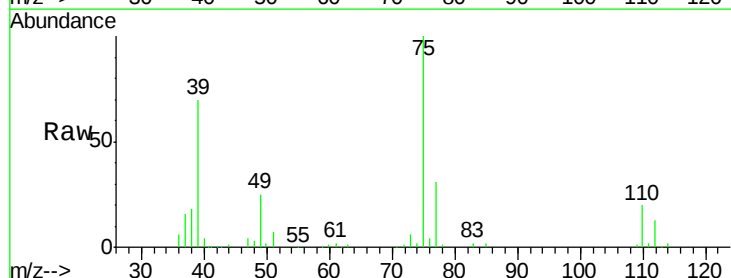
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

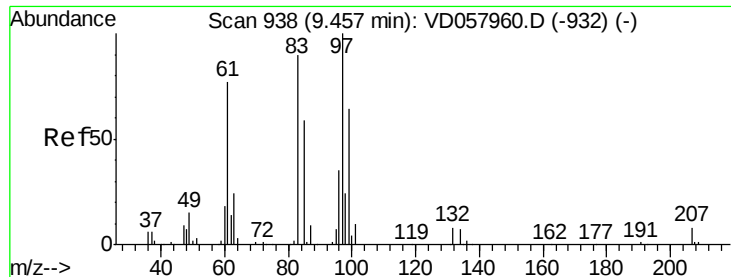
Tot Ion: 75 Resp: 264398
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 20.846 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion: 75 Resp: 313081
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.1 36.1
 39 69.6 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 19.715 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

Tot Ion: 97 Resp: 129612

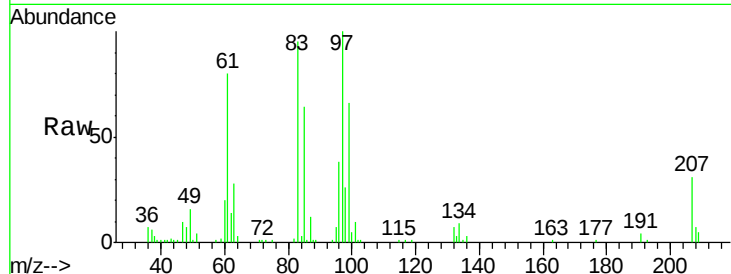
Ion Ratio Lower Upper

97 100

83 94.5 71.8 107.8

85 63.7 47.2 70.8

99 66.3 51.4 77.0

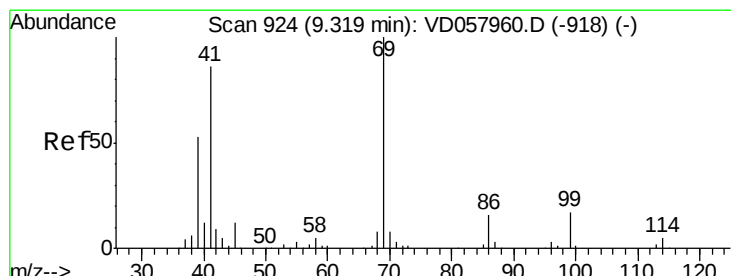
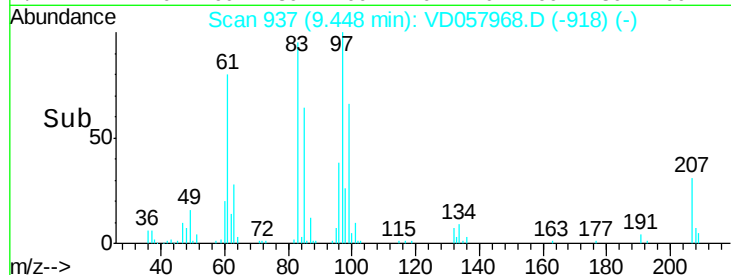
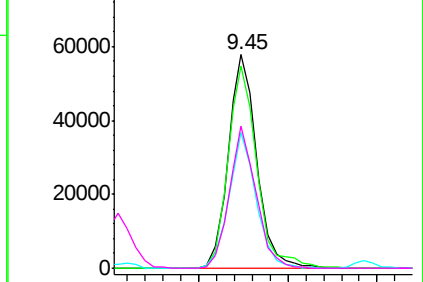


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.379 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

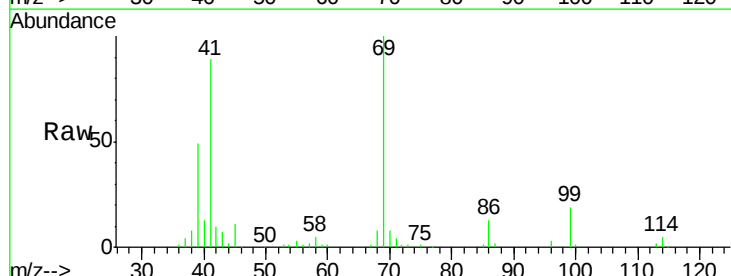
Tgt Ion: 69 Resp: 164344

Ion Ratio Lower Upper

69 100

41 89.2 68.4 102.6

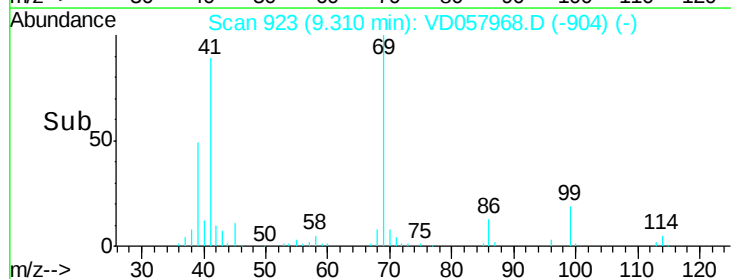
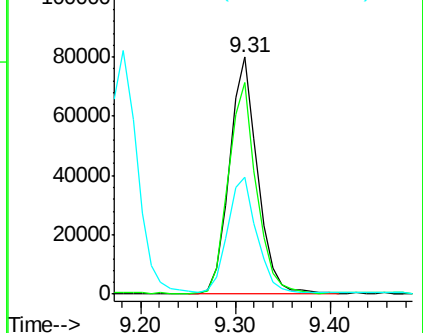
39 49.4 43.0 64.4

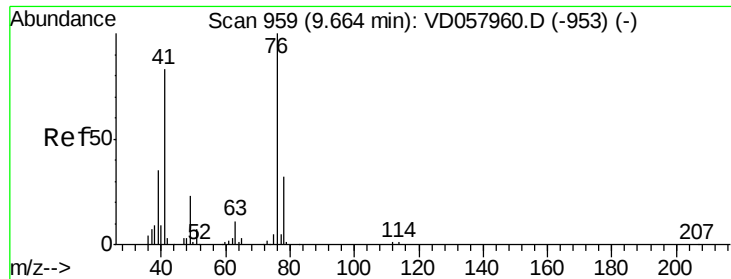


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.911 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

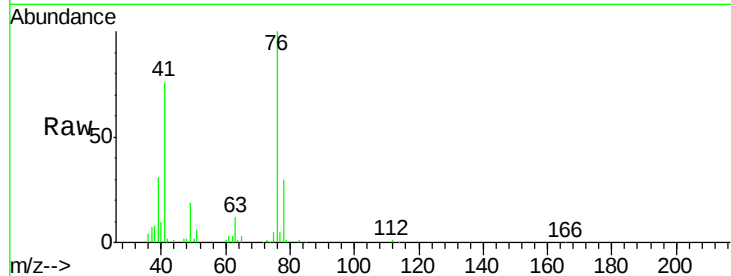
VD0607SBS01

Tot Ion: 76 Resp: 229590

Ion Ratio Lower Upper

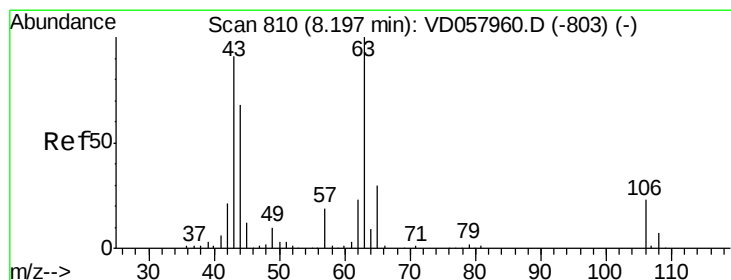
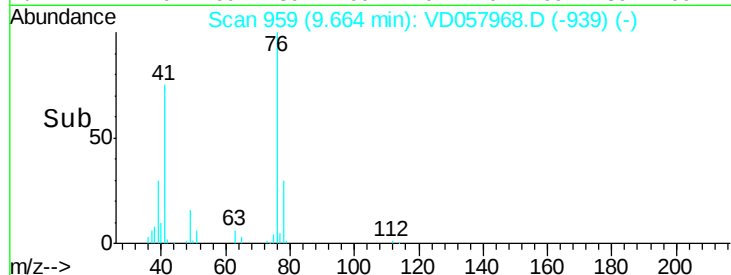
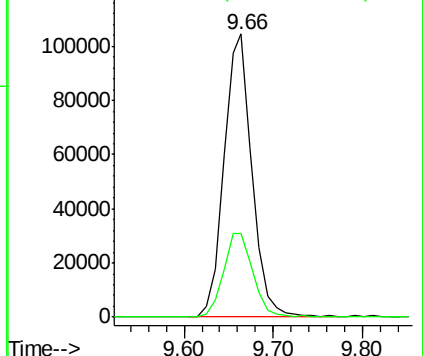
76 100

78 29.5 25.4 38.2



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: 103.055 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD057968.D

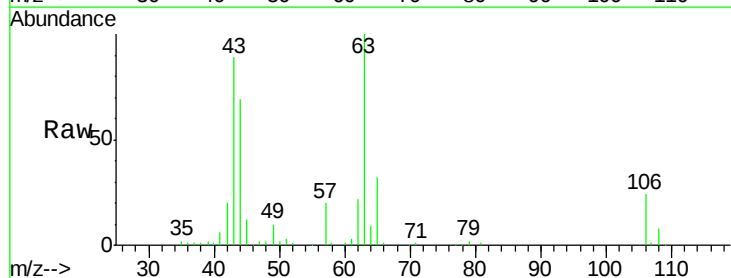
Acq: 7 Jun 2018 13:33

Tgt Ion: 63 Resp: 419890

Ion Ratio Lower Upper

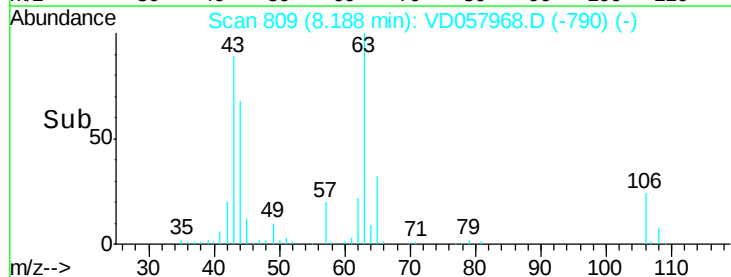
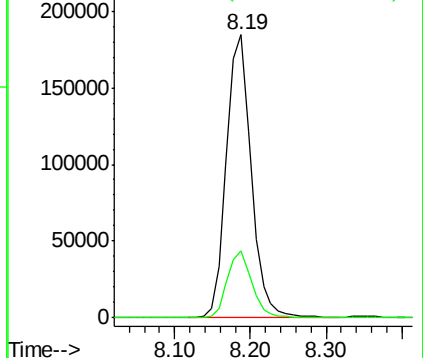
63 100

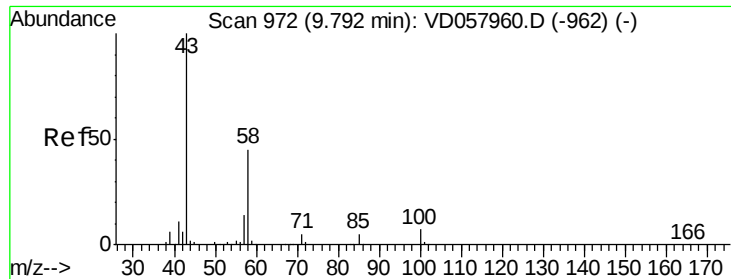
106 23.9 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

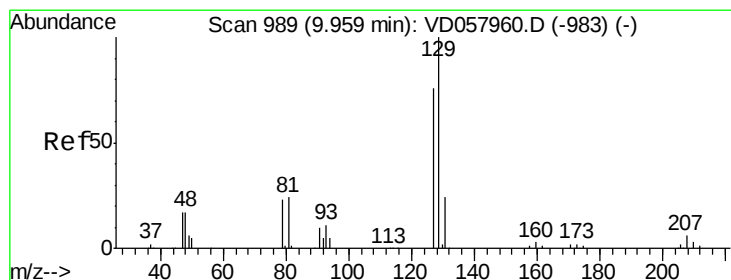
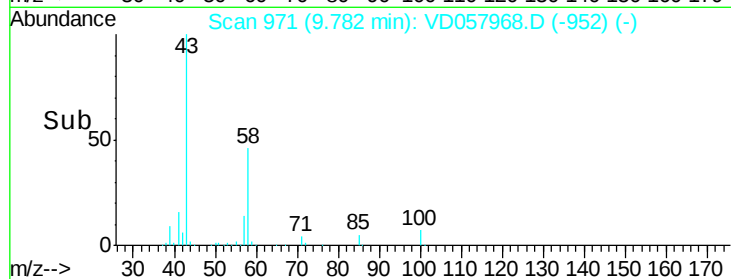
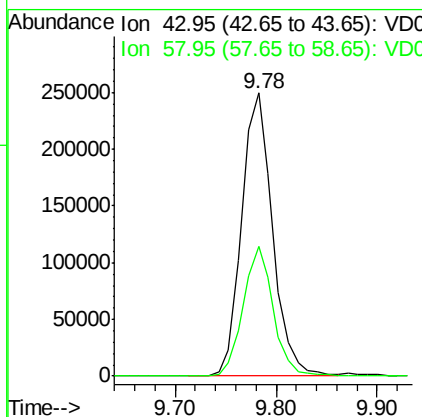
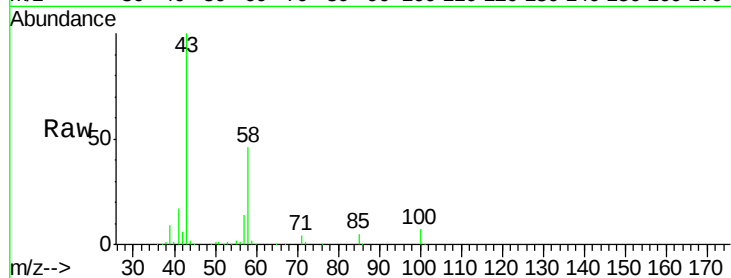




#59
2-Hexanone
Concen: 104.671 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

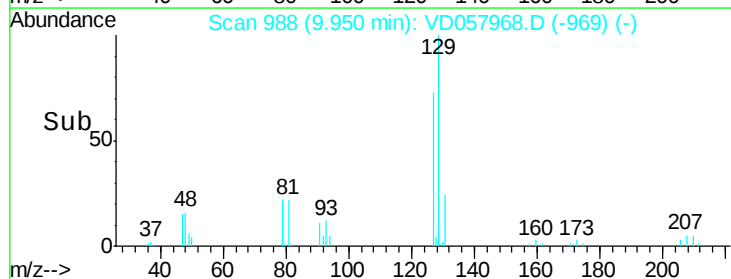
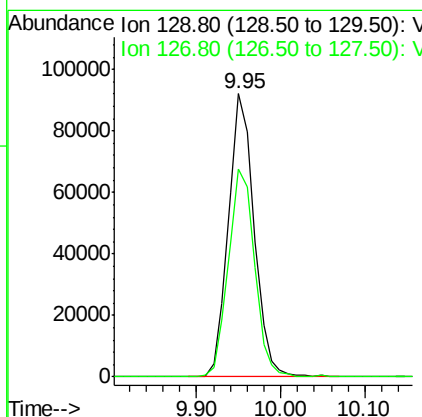
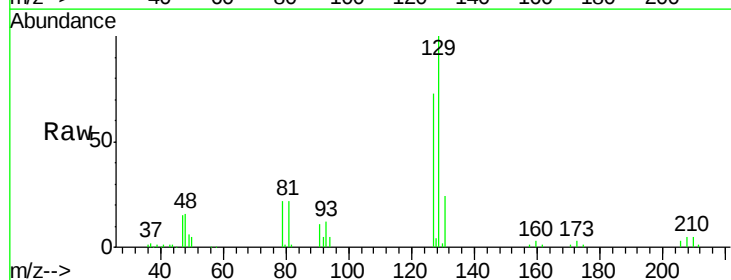
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

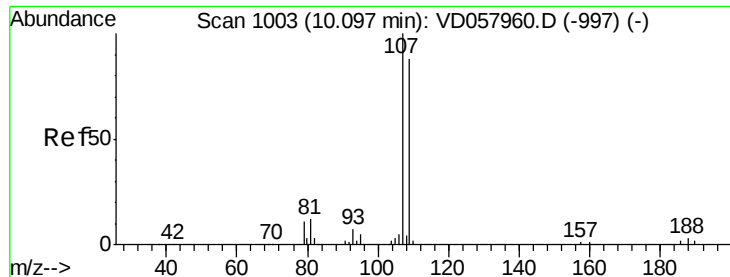
Tot Ion: 43 Resp: 532801
Ion Ratio Lower Upper
43 100
58 45.8 22.5 67.5



#60
Dibromochloromethane
Concen: 21.087 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion: 129 Resp: 195494
Ion Ratio Lower Upper
129 100
127 73.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.861 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

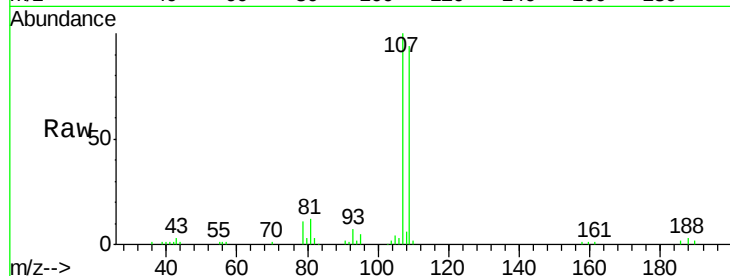
VD0607SBS01

Tot Ion:107 Resp: 150160

Ion Ratio Lower Upper

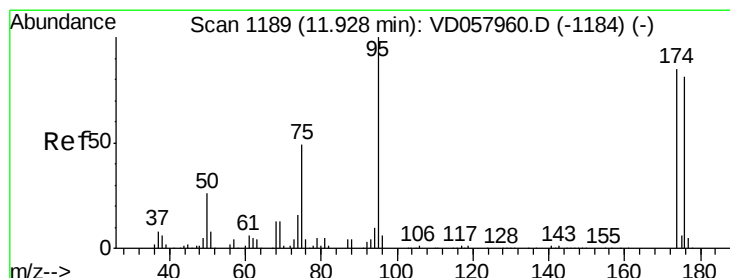
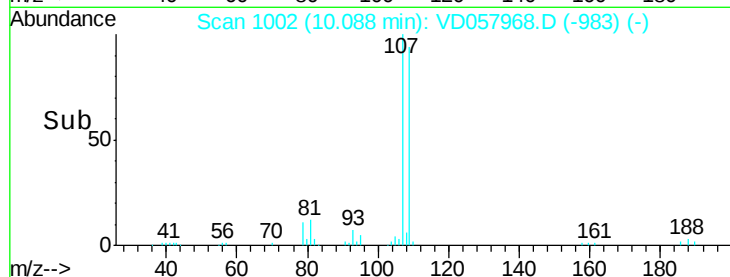
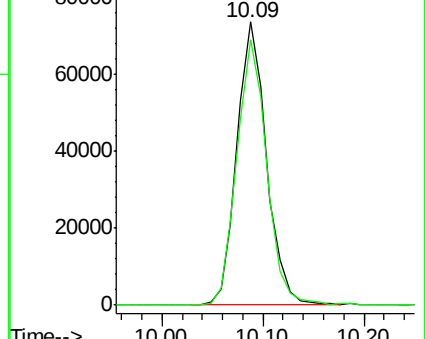
107 100

109 93.7 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.861 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

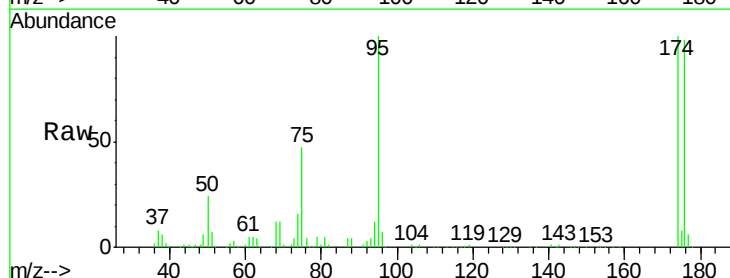
Tgt Ion: 95 Resp: 493926

Ion Ratio Lower Upper

95 100

174 99.7 0.0 169.4

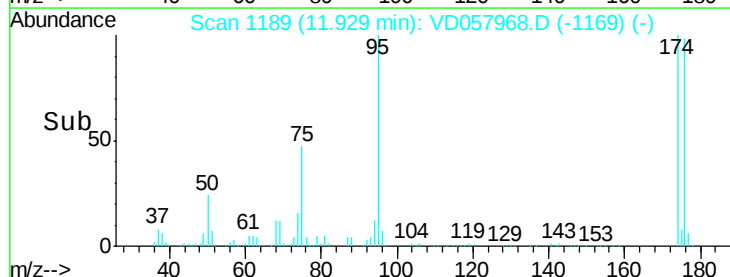
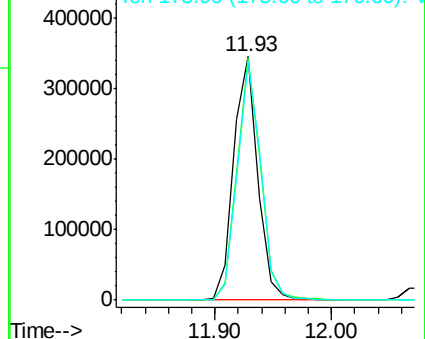
176 98.0 0.0 162.6

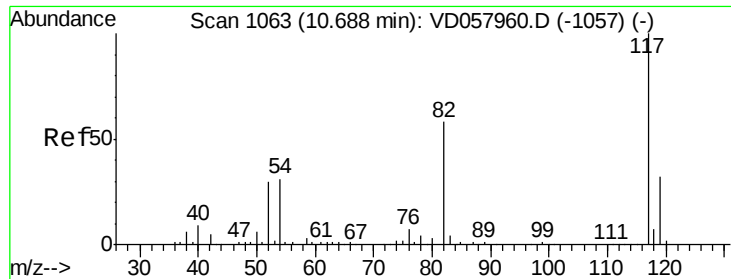


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

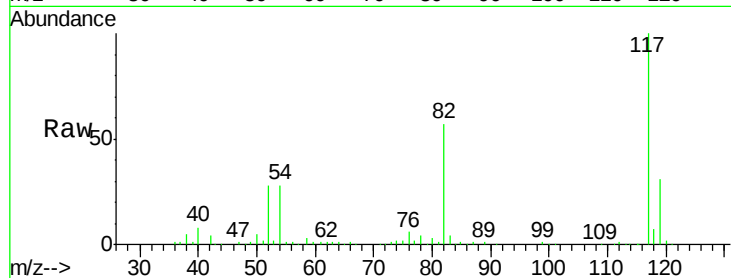




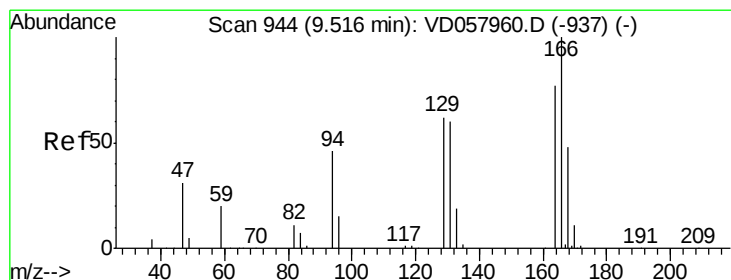
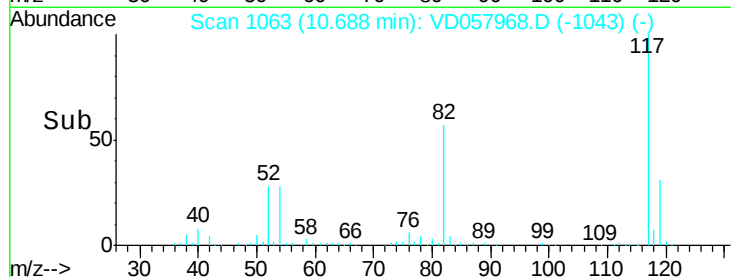
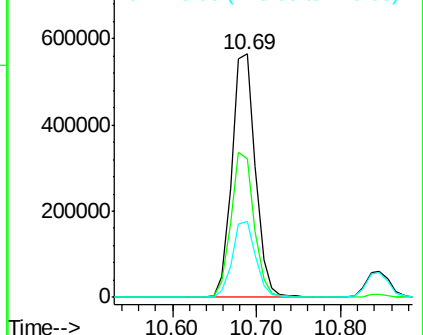
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

Tot Ion:117 Resp: 1098260
Ion Ratio Lower Upper
117 100
82 57.0 46.8 70.2
119 31.4 25.8 38.6



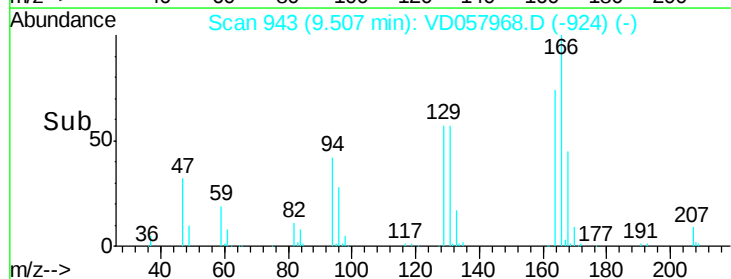
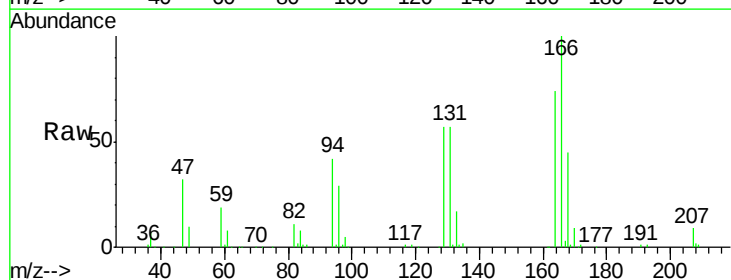
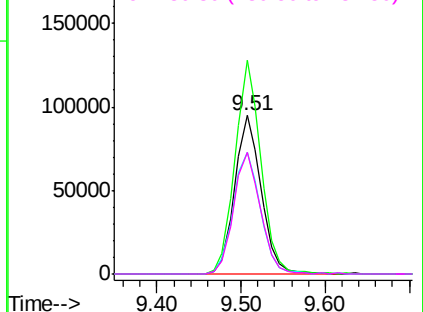
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

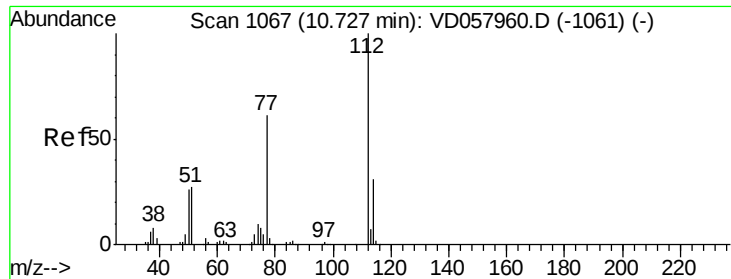


#64
Tetrachloroethene
Concen: 21.118 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion:164 Resp: 207342
Ion Ratio Lower Upper
164 100
166 134.9 104.4 156.6
129 76.9 65.0 97.6
131 77.0 62.9 94.3

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

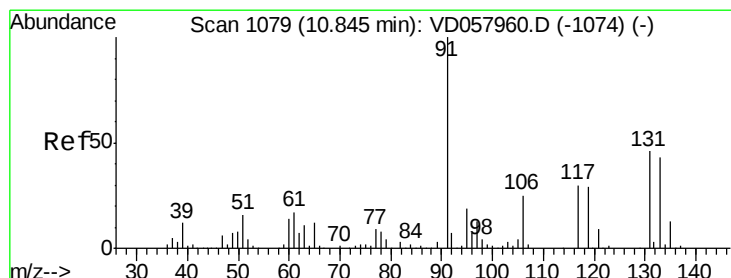
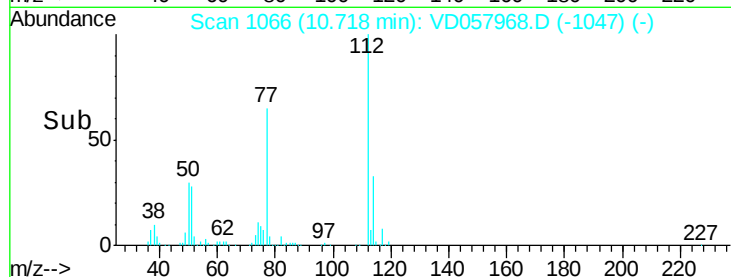
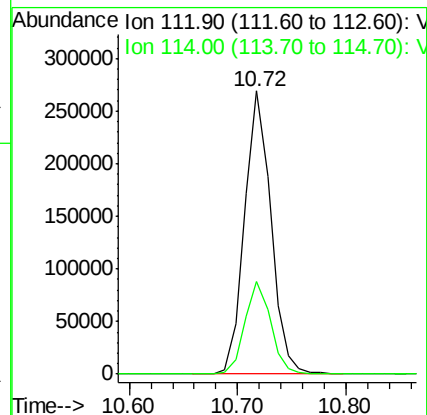
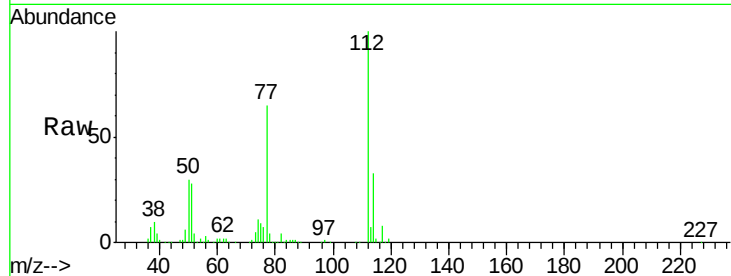




#65
Chlorobenzene
Concen: 20.583 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

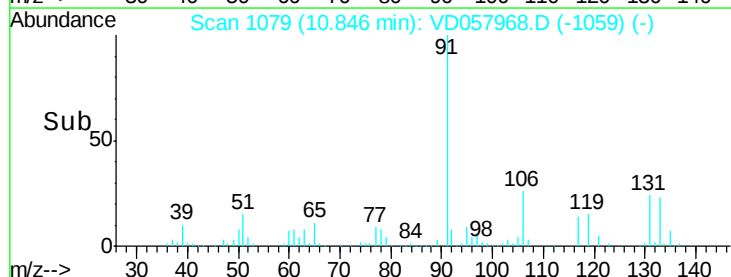
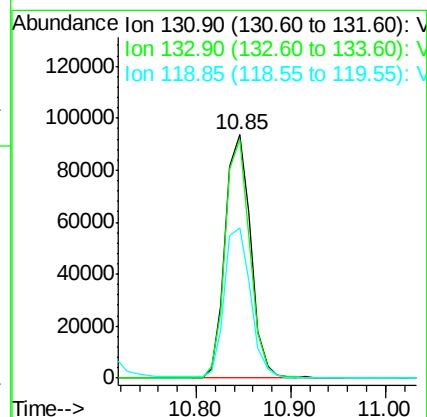
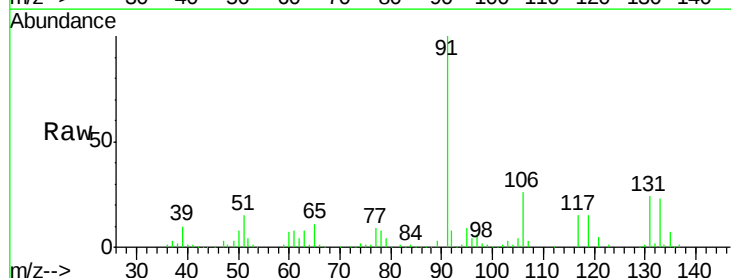
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

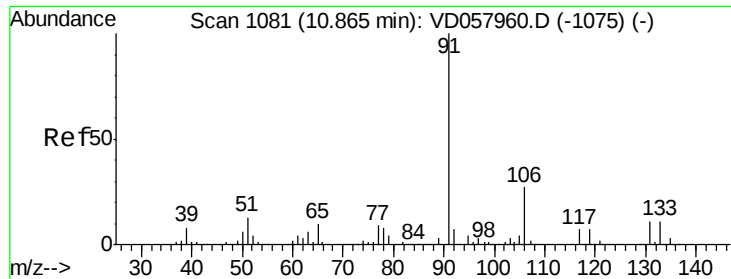
Tot Ion:112 Resp: 457622
Ion Ratio Lower Upper
112 100
114 32.8 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.489 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion:131 Resp: 175016
Ion Ratio Lower Upper
131 100
133 97.8 46.9 140.6
119 61.8 31.8 95.3





#67

Ethyl Benzene

Concen: 20.684 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

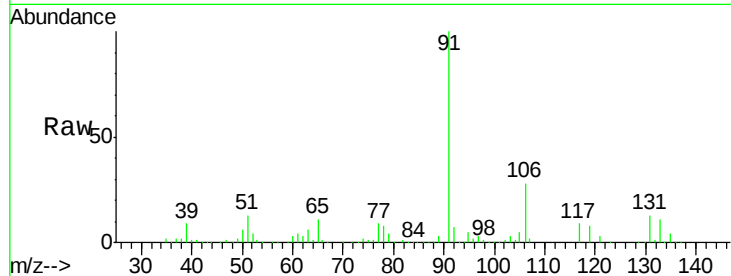
VD0607SBS01

Tot Ion: 91 Resp: 830847

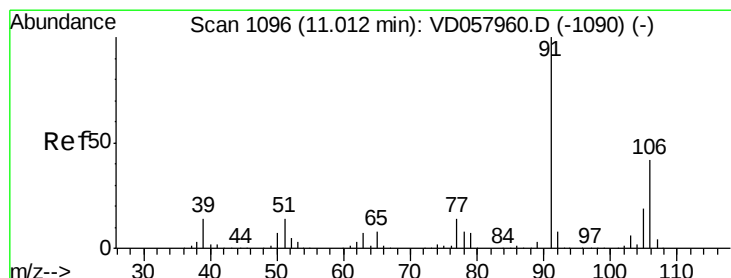
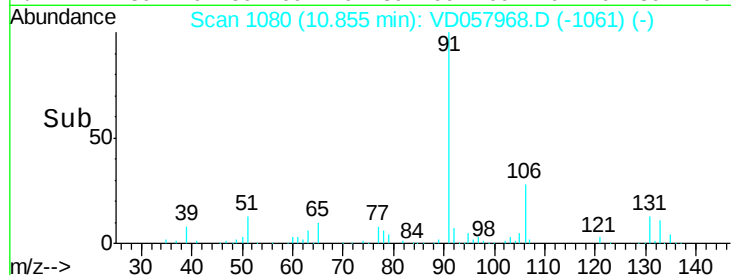
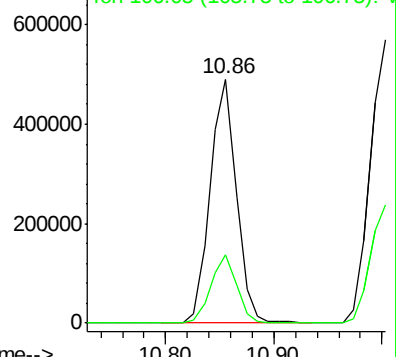
Ion Ratio Lower Upper

91 100

106 27.8 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.770 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VD057968.D

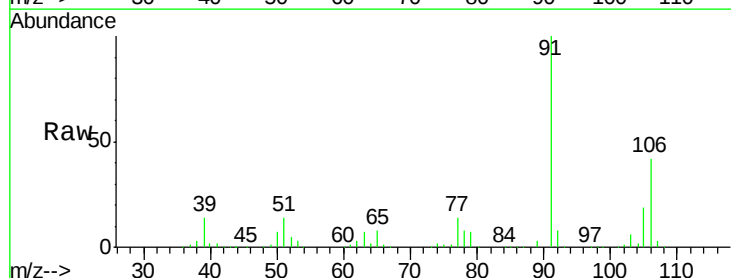
Acq: 7 Jun 2018 13:33

Tgt Ion: 106 Resp: 560061

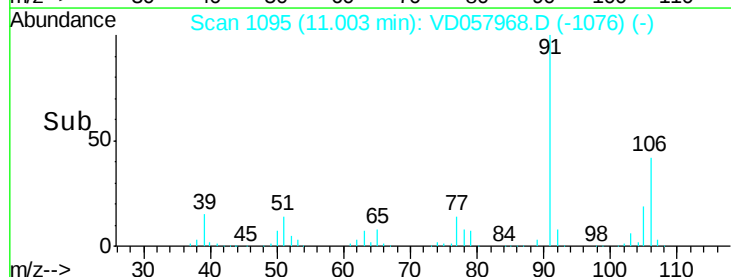
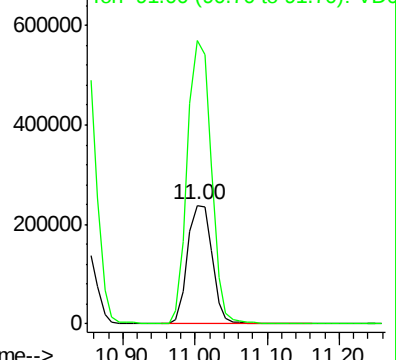
Ion Ratio Lower Upper

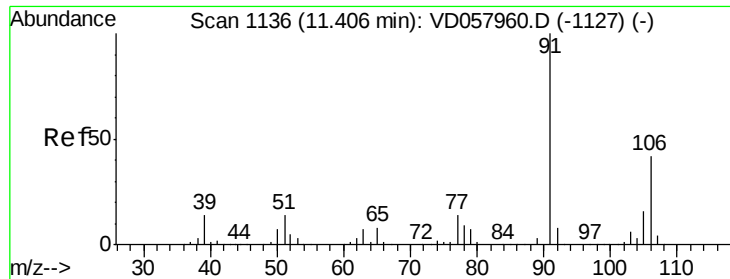
106 100

91 238.6 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

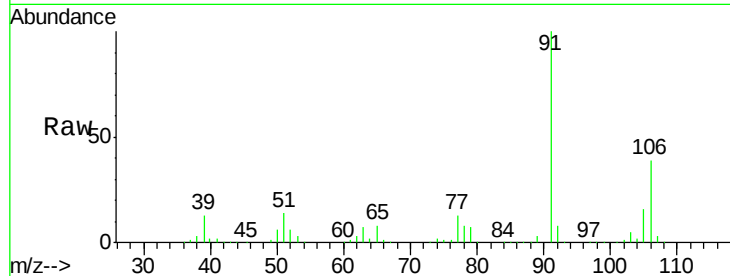




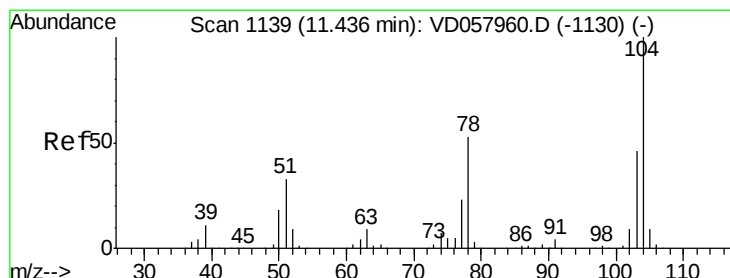
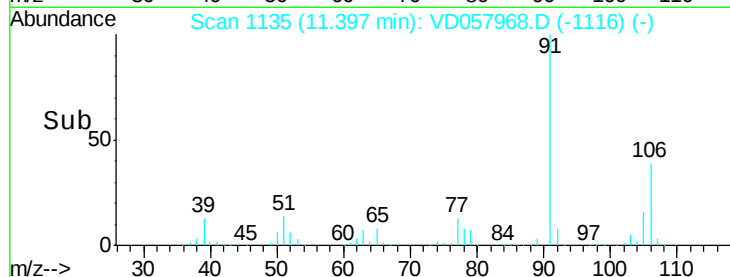
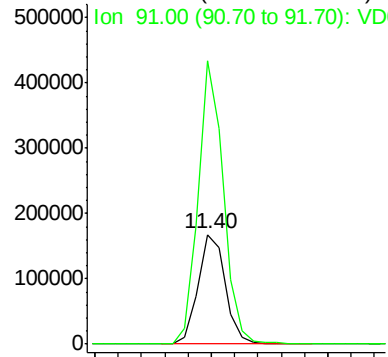
#69
o-Xylene
Concen: 20.998 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Instrument :
MSVOA_D
ClientSampleID :
VD0607SBS01

Tot Ion:106 Resp: 272924
Ion Ratio Lower Upper
106 100
91 258.8 120.6 361.7

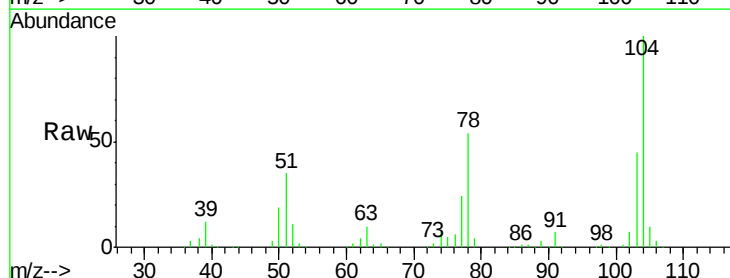


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

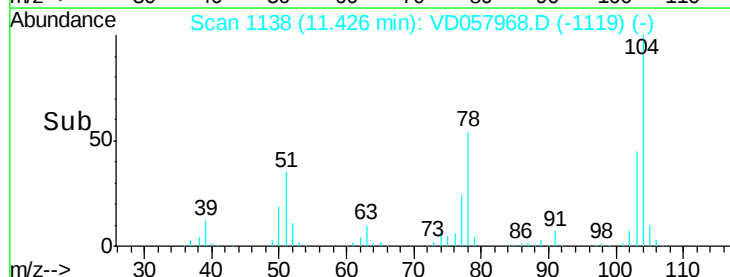
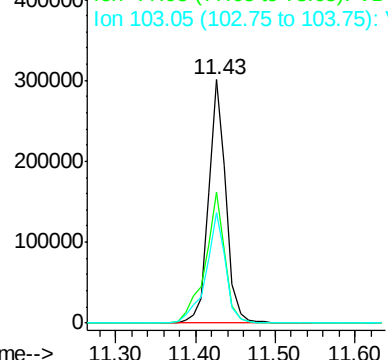


#70
Styrene
Concen: 21.237 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion:104 Resp: 456952
Ion Ratio Lower Upper
104 100
78 54.1 42.1 63.1
103 45.3 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

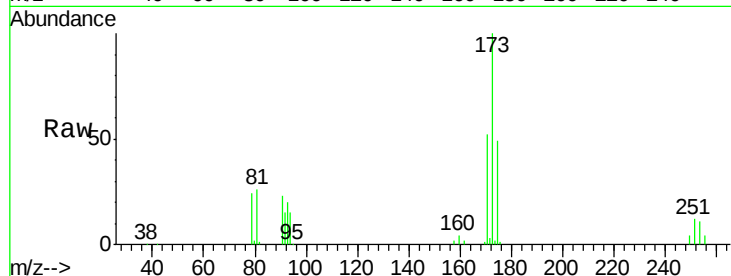




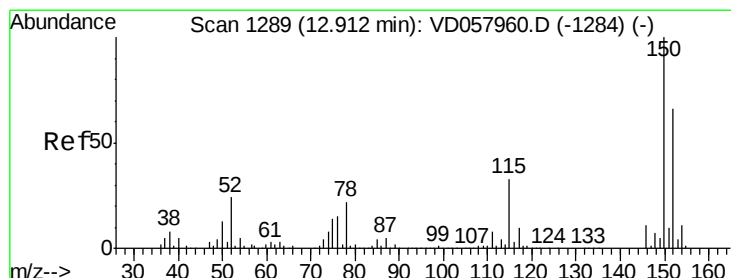
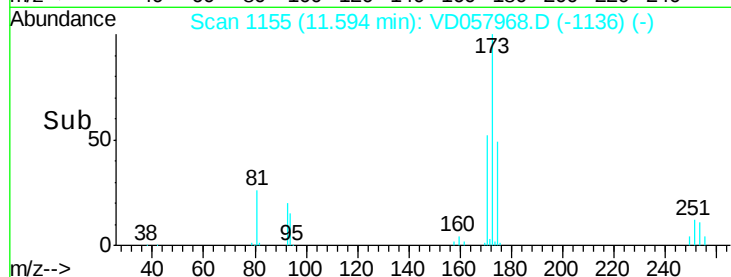
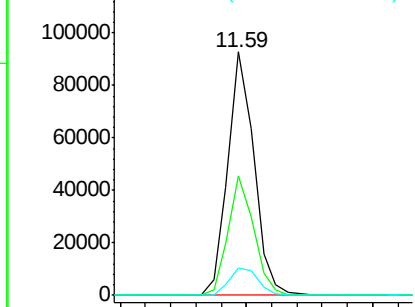
#71
Bromoform
Concen: 20.726 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

Tot Ion:173 Resp: 133184
Ion Ratio Lower Upper
173 100
175 49.3 25.1 75.2
254 11.1 10.7 16.1

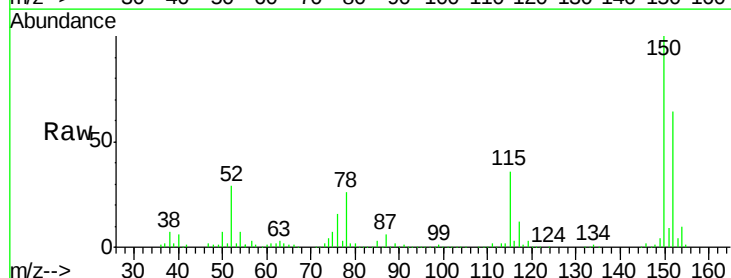


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

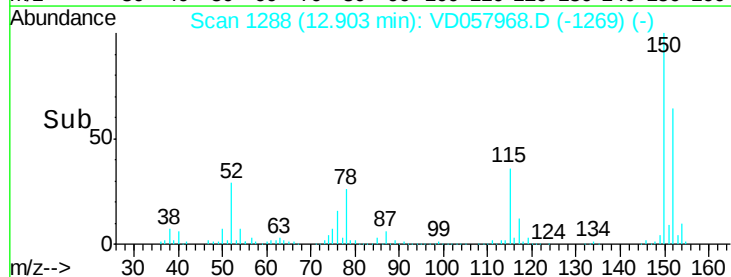
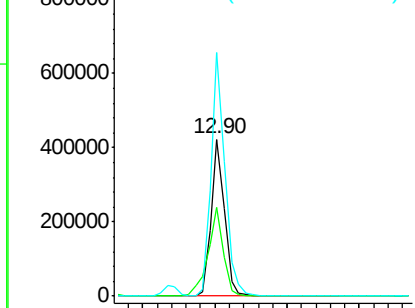


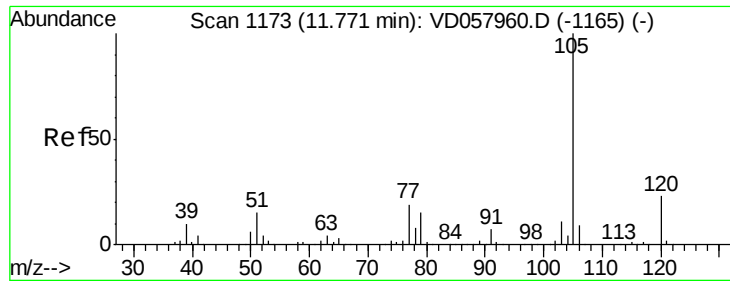
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion:152 Resp: 536930
Ion Ratio Lower Upper
152 100
115 56.4 25.6 76.6
150 155.3 0.0 306.8



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





#73

Isopropylbenzene

Concen: 22.156 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

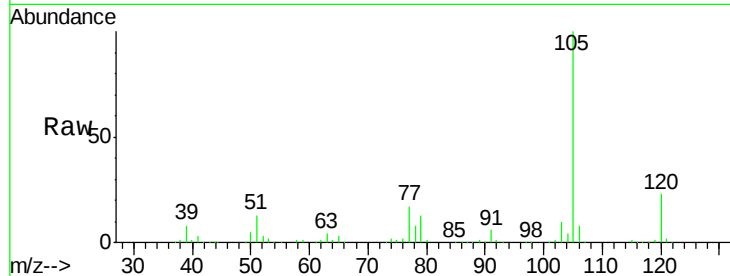
VD0607SBS01

Tot Ion:105 Resp: 787941

Ion Ratio Lower Upper

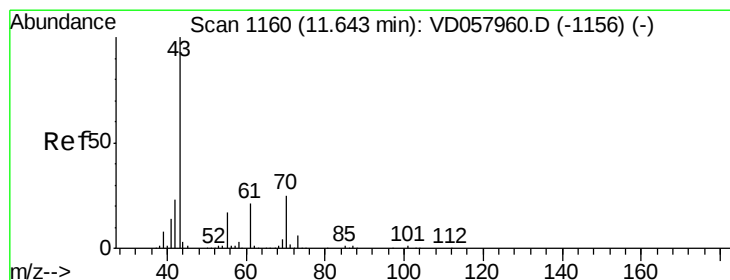
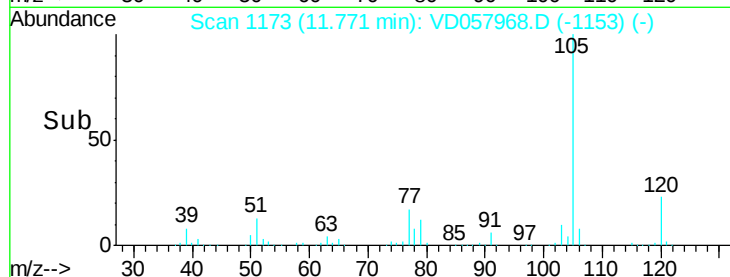
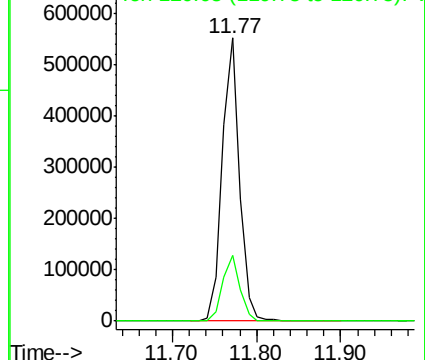
105 100

120 23.3 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.651 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Tgt Ion: 43 Resp: 283391

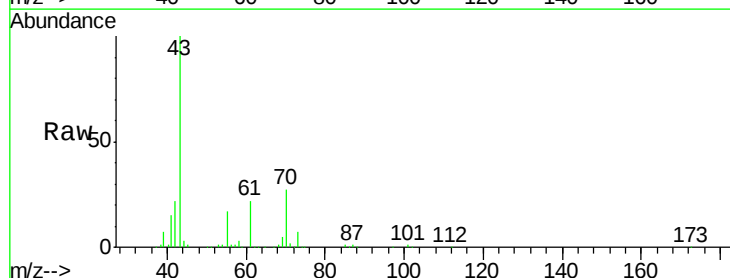
Ion Ratio Lower Upper

43 100

70 26.7 20.3 30.5

55 16.8 13.9 20.9

61 22.2 16.6 24.8

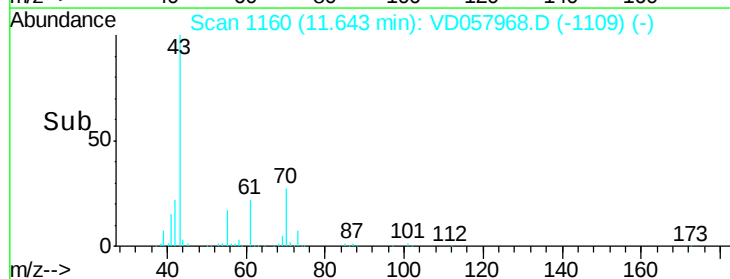
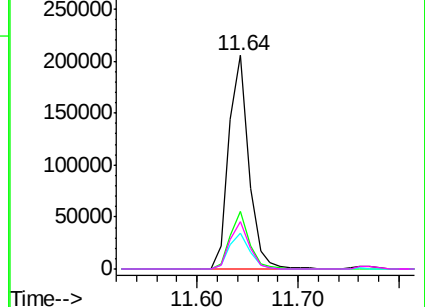


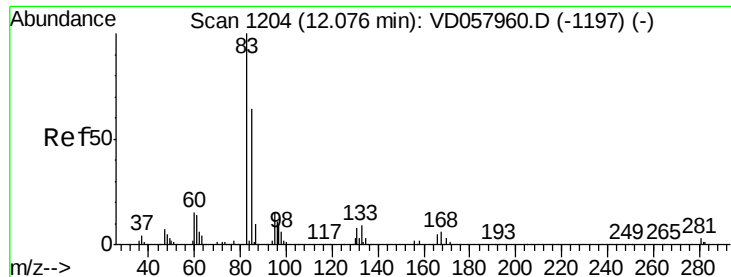
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.197 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

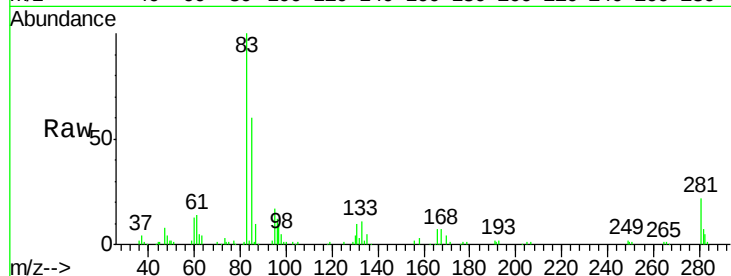
Tot Ion: 83 Resp: 156602

Ion Ratio Lower Upper

83 100

131 10.2 4.2 12.6

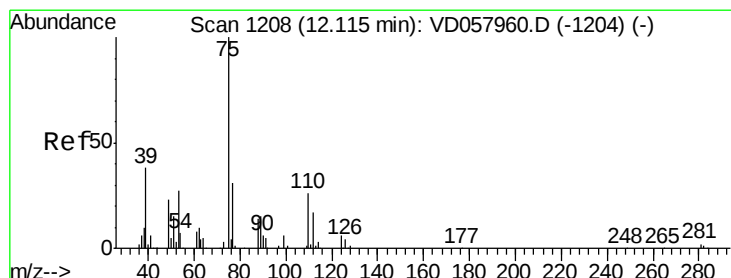
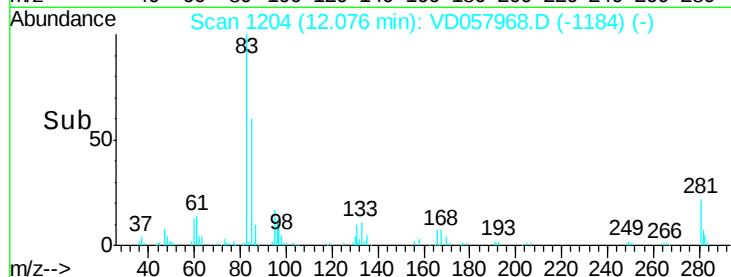
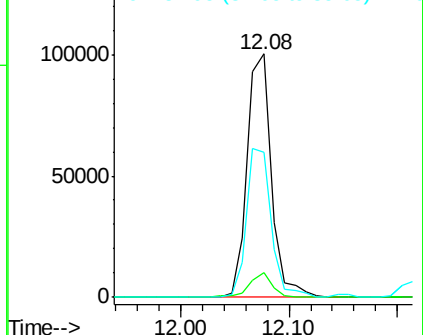
85 59.6 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.885 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD057968.D

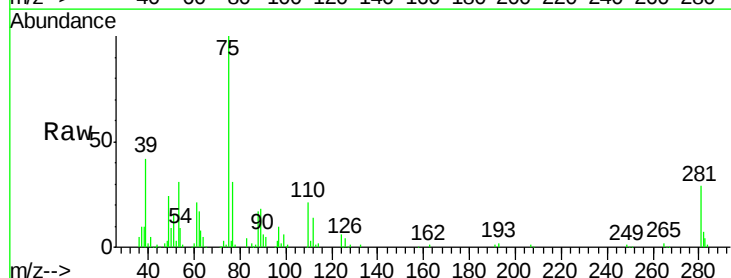
Acq: 7 Jun 2018 13:33

Tgt Ion: 75 Resp: 176513

Ion Ratio Lower Upper

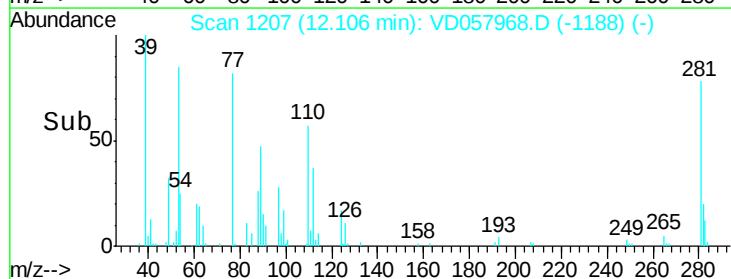
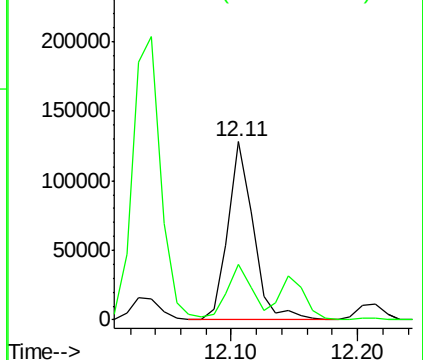
75 100

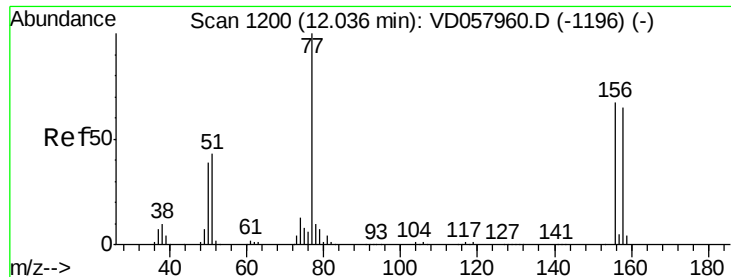
77 31.4 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.383 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

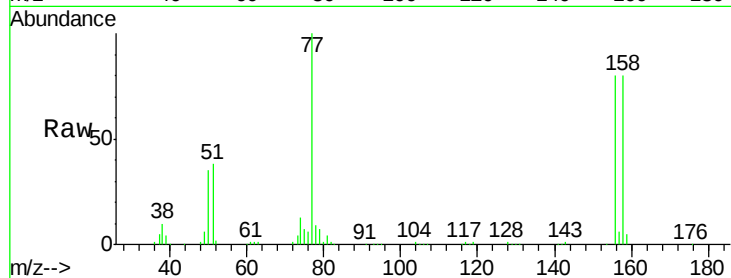
Tot Ion:156 Resp: 225094

Ion Ratio Lower Upper

156 100

77 125.7 75.0 224.8

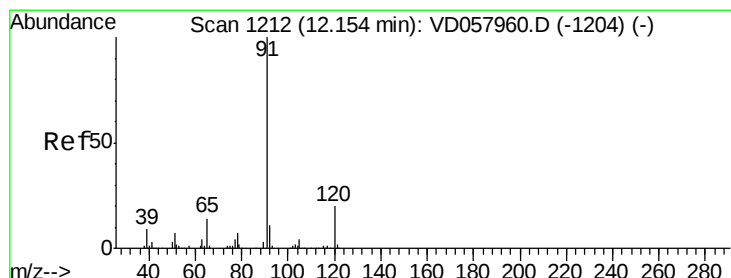
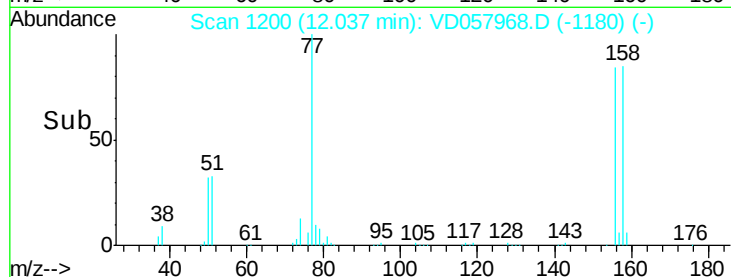
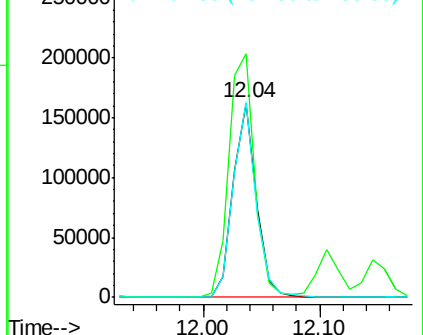
158 100.5 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.139 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD057968.D

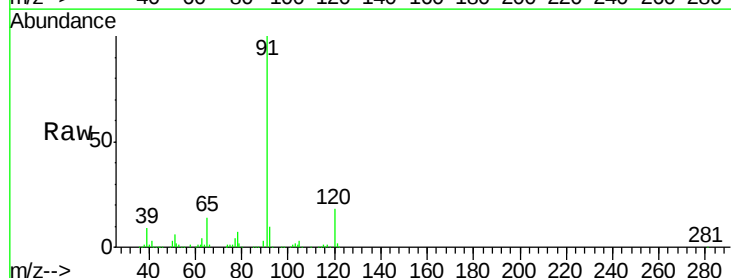
Acq: 7 Jun 2018 13:33

Tgt Ion: 91 Resp: 1024540

Ion Ratio Lower Upper

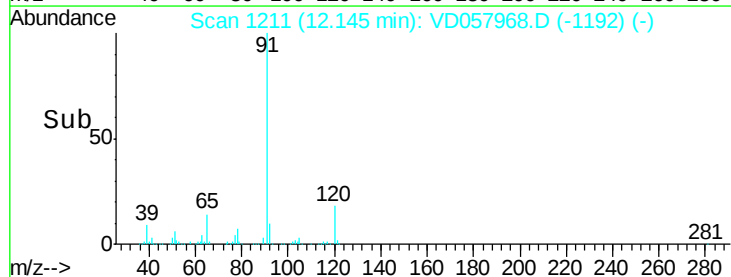
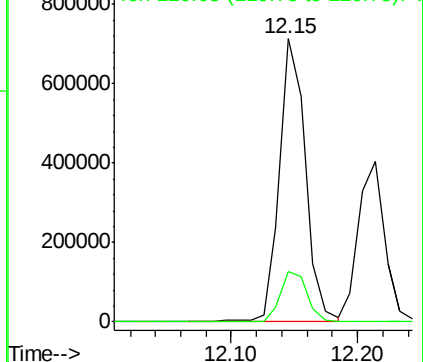
91 100

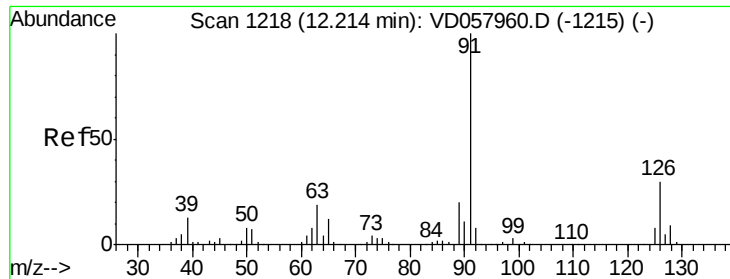
120 17.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

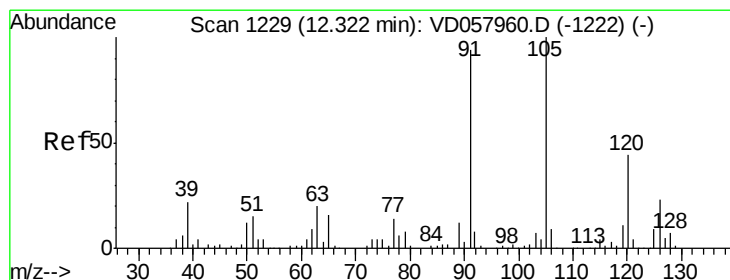
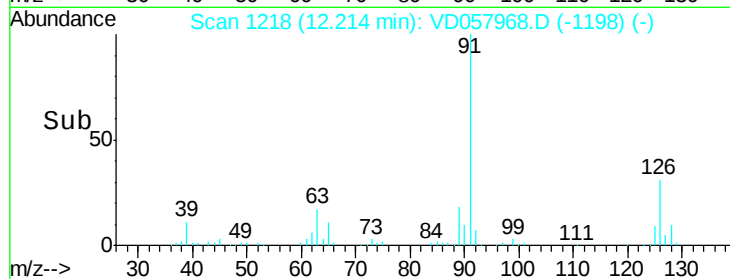
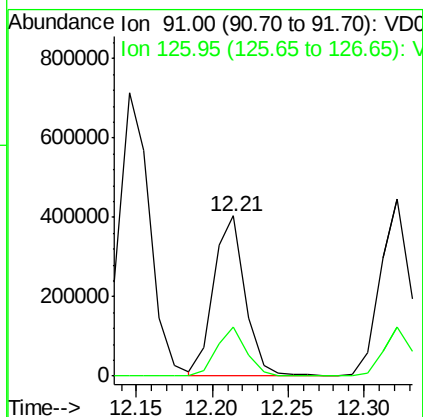
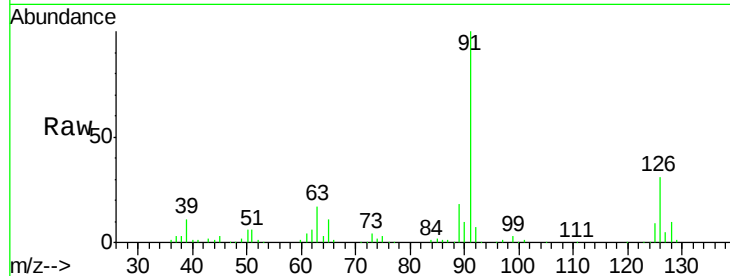




#79
 2-Chlorotoluene
 Concen: 22.000 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

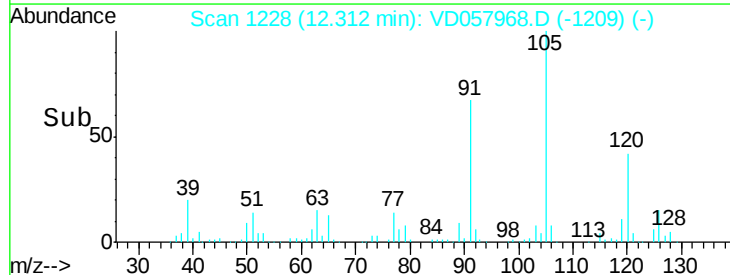
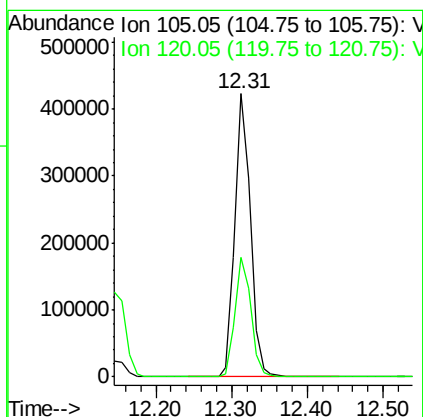
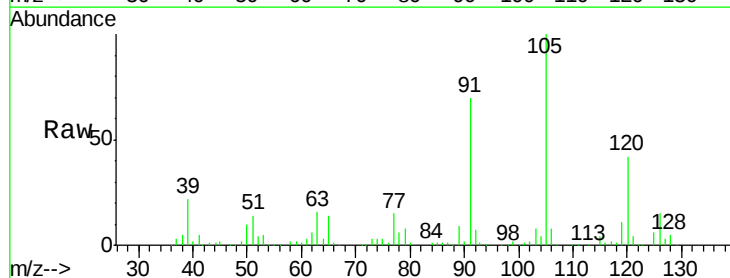
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

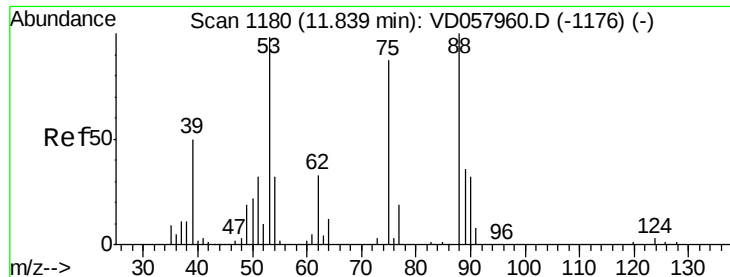
Tot Ion: 91 Resp: 580802
 Ion Ratio Lower Upper
 91 100
 126 30.7 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.431 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion: 105 Resp: 594386
 Ion Ratio Lower Upper
 105 100
 120 42.4 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.178 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD057968.D

Acq: 7 Jun 2018 13:33

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS01

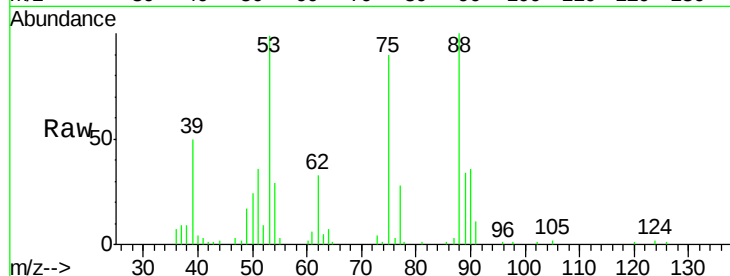
Tot Ion: 75 Resp: 44304

Ion Ratio Lower Upper

75 100

53 109.5 89.3 133.9

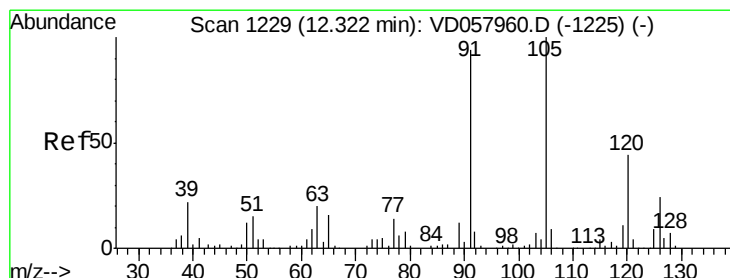
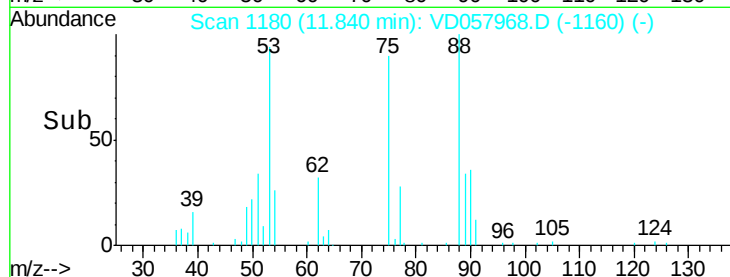
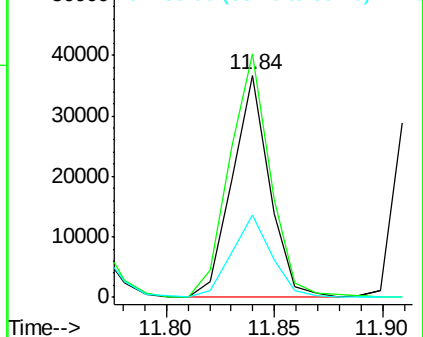
89 37.3 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.290 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD057968.D

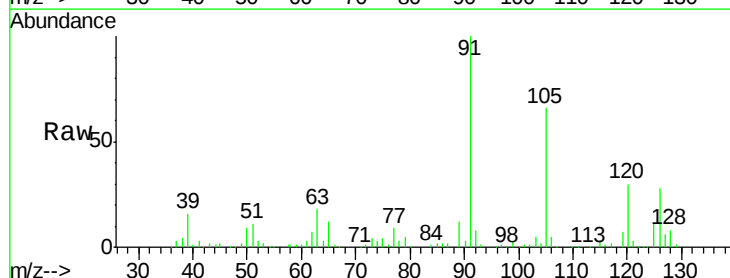
Acq: 7 Jun 2018 13:33

Tgt Ion: 91 Resp: 617572

Ion Ratio Lower Upper

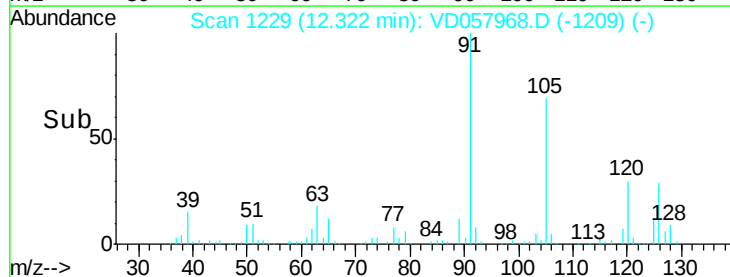
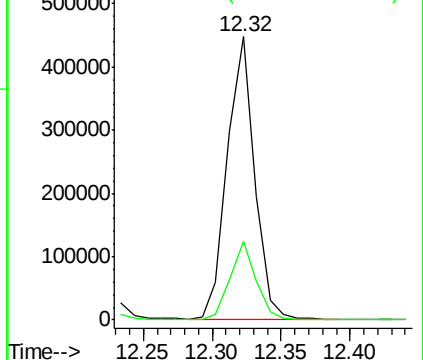
91 100

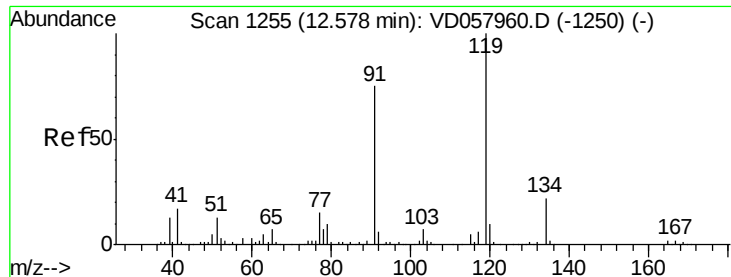
126 27.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

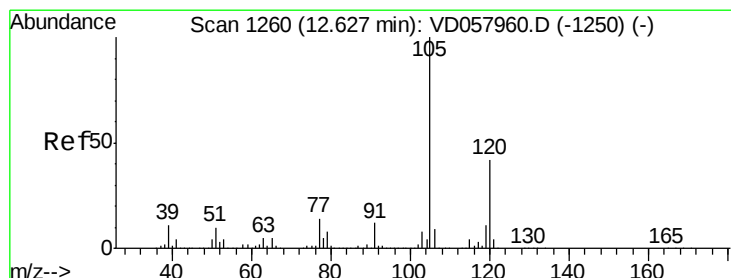
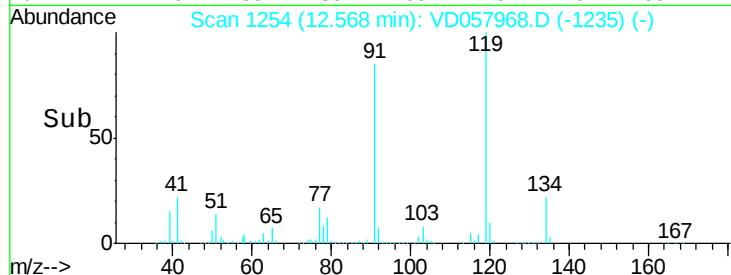
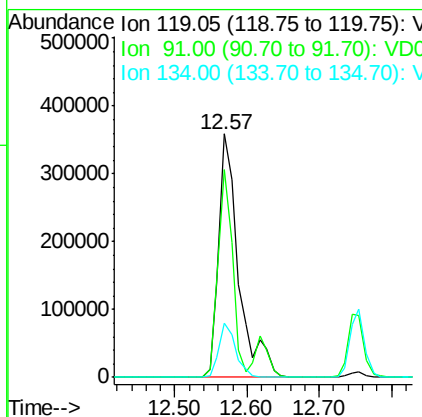
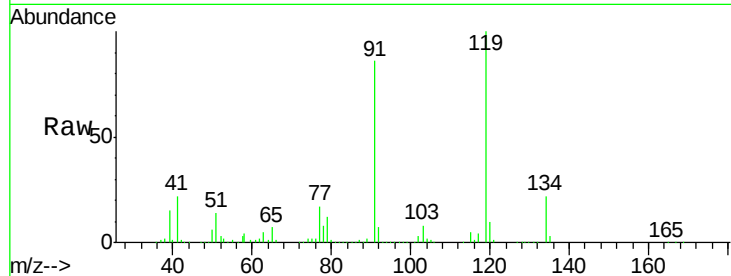




#83
tert-Butylbenzene
Concen: 21.852 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

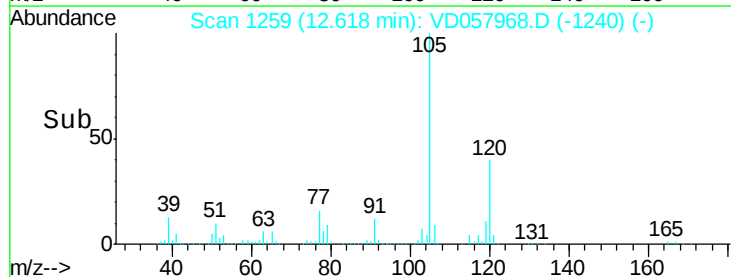
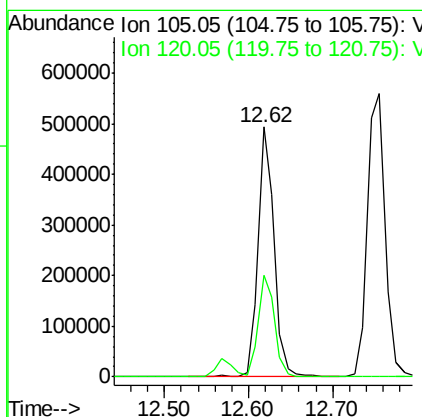
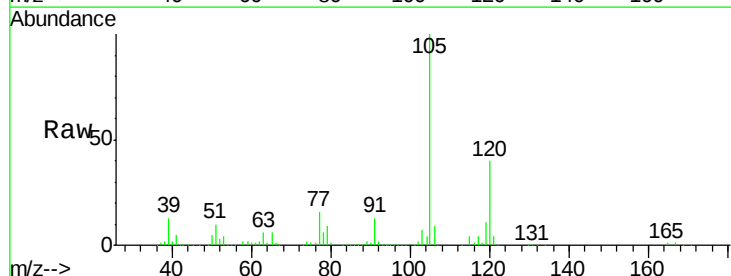
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

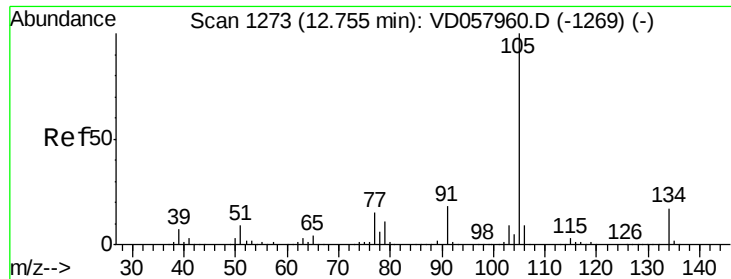
Tot Ion:119 Resp: 684336
Ion Ratio Lower Upper
119 100
91 85.5 37.6 112.9
134 22.1 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 22.299 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion:105 Resp: 664968
Ion Ratio Lower Upper
105 100
120 40.5 21.2 63.6

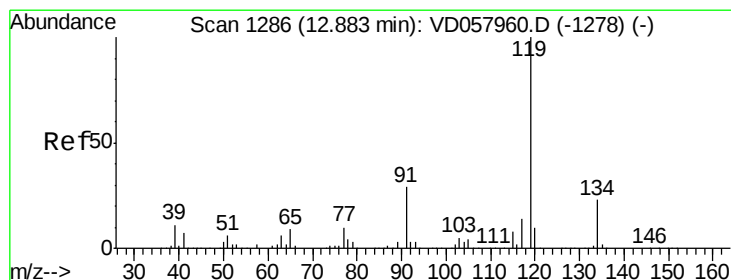
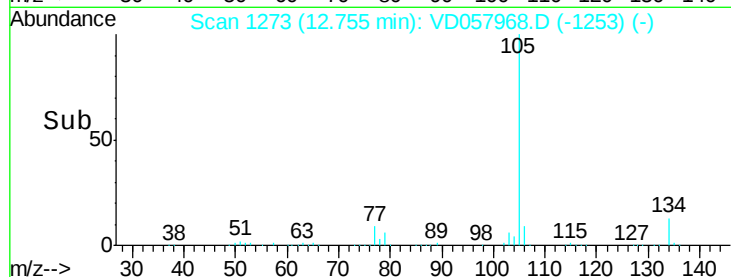
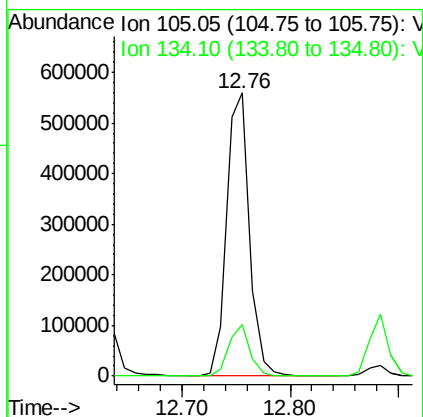
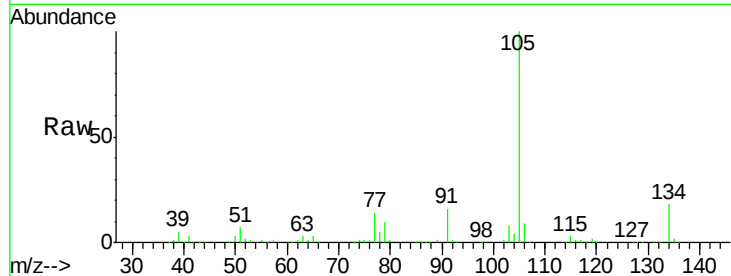




#85
 sec-Butylbenzene
 Concen: 21.598 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

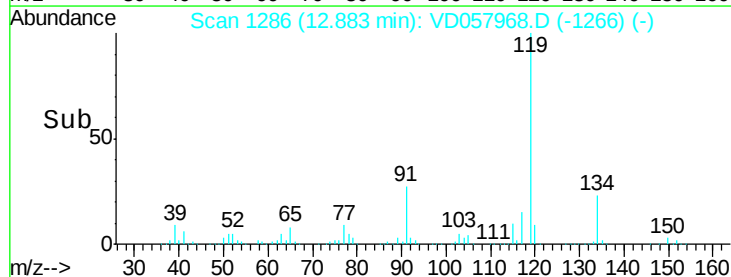
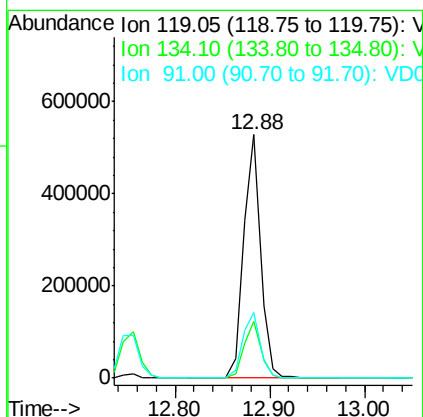
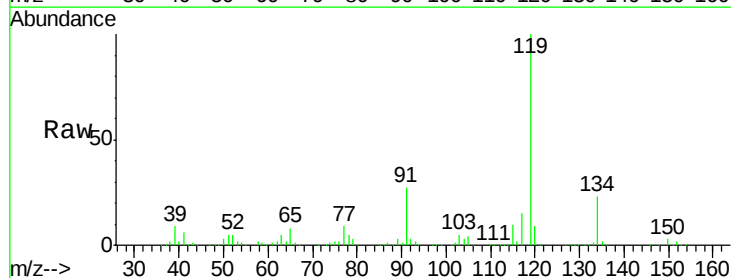
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

Tot Ion:105 Resp: 816292
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 21.375 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion:119 Resp: 651127
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.5 34.4
 91 26.9 14.5 43.6

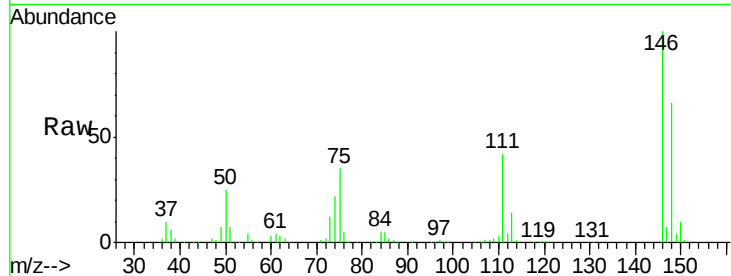




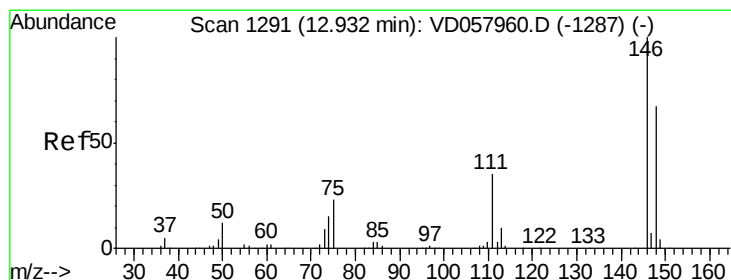
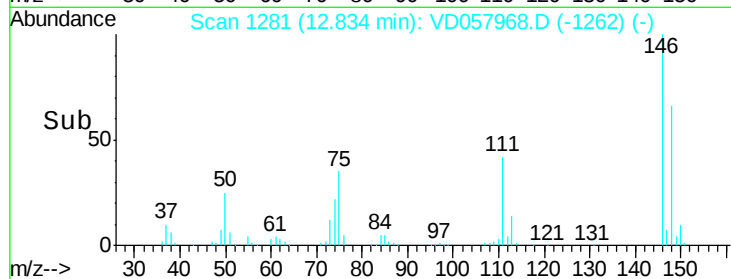
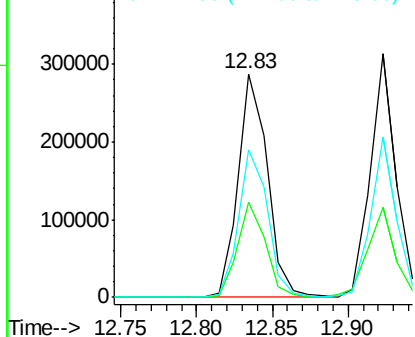
#87
 1,3-Dichlorobenzene
 Concen: 21.671 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

Tot Ion:146 Resp: 385899
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.1 57.3
 148 66.2 32.0 96.2

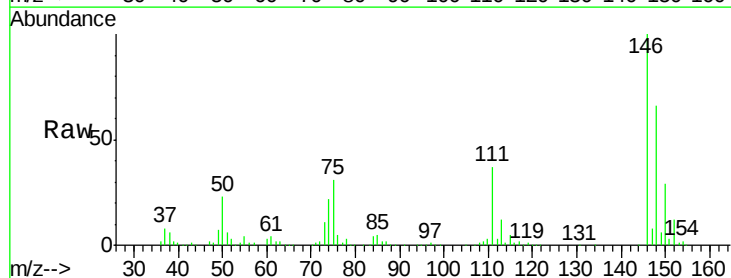


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

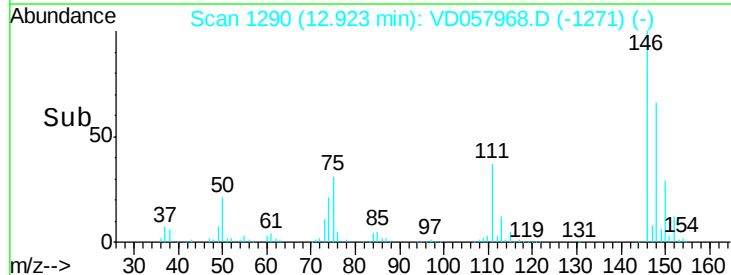
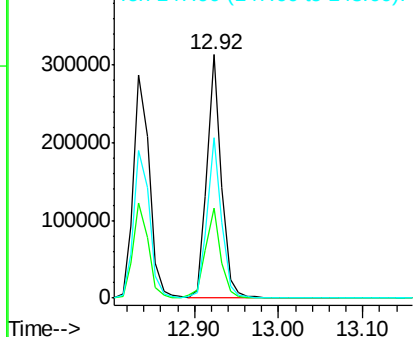


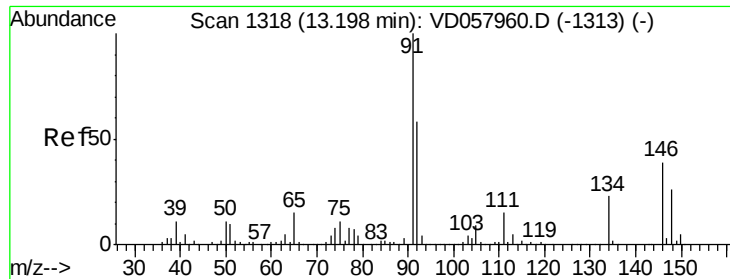
#88
 1,4-Dichlorobenzene
 Concen: 21.663 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion:146 Resp: 375855
 Ion Ratio Lower Upper
 146 100
 111 37.1 17.3 52.0
 148 66.0 33.4 100.2



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

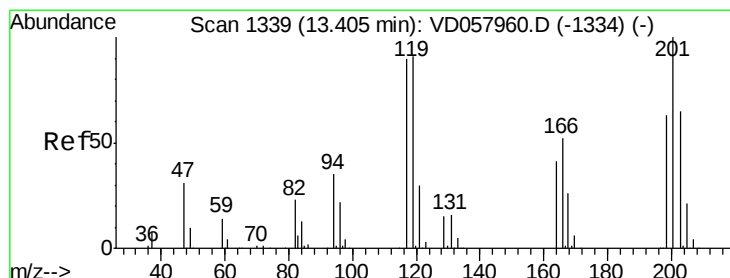
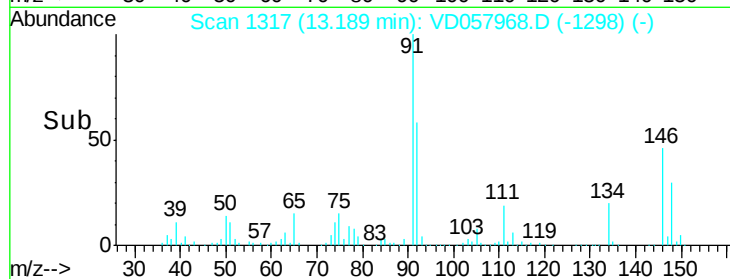
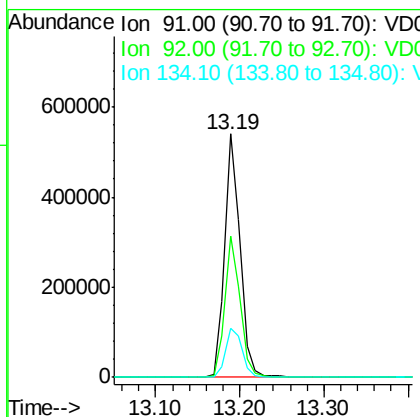
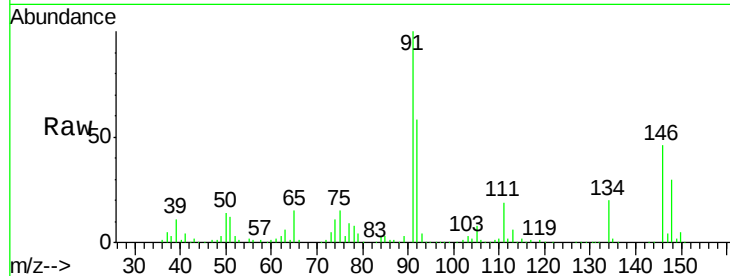




#89
n-Butylbenzene
Concen: 22.711 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

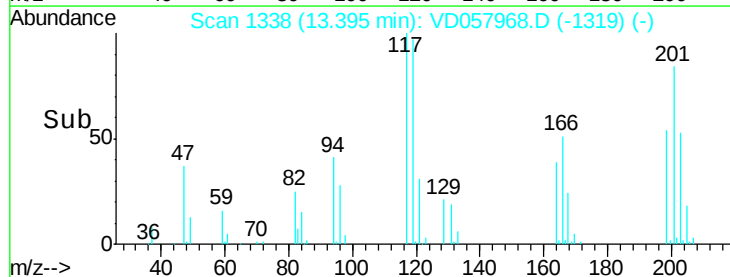
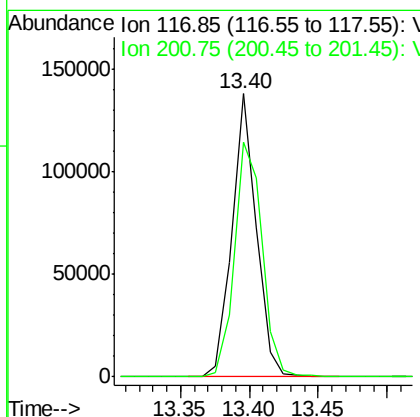
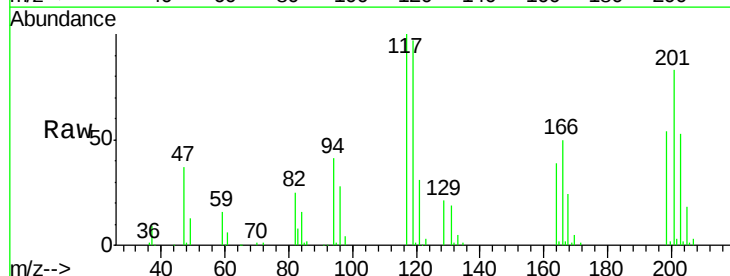
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

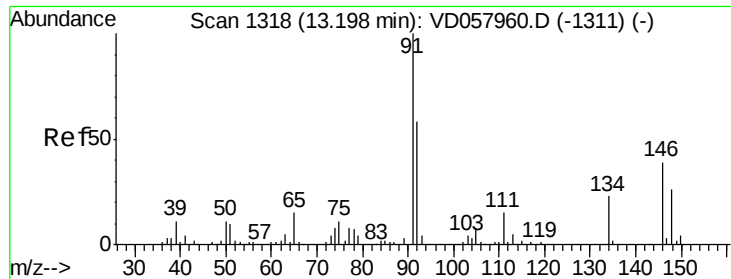
Tot Ion: 91 Resp: 689023
Ion Ratio Lower Upper
91 100
92 58.0 29.2 87.6
134 20.1 11.3 33.9



#90
Hexachloroethane
Concen: 21.796 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion: 117 Resp: 169464
Ion Ratio Lower Upper
117 100
201 83.1 55.4 166.0

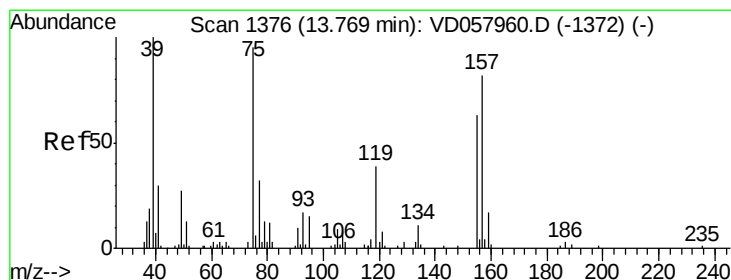
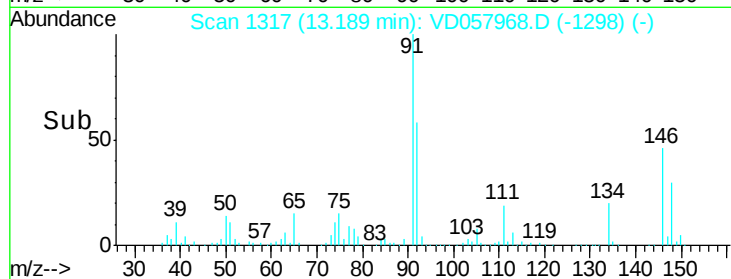
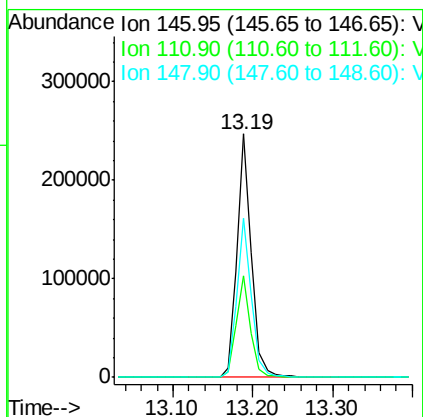
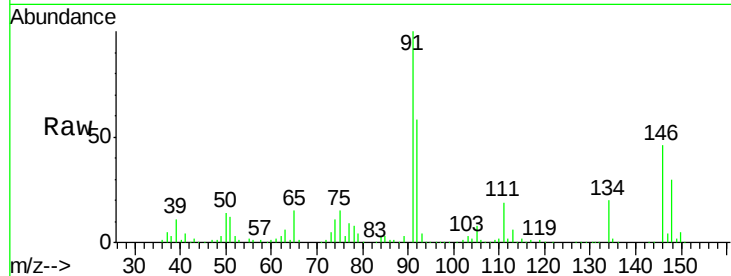




#91
 1,2-Dichlorobenzene
 Concen: 21.847 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

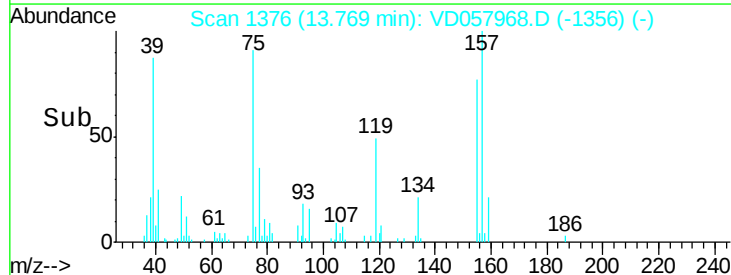
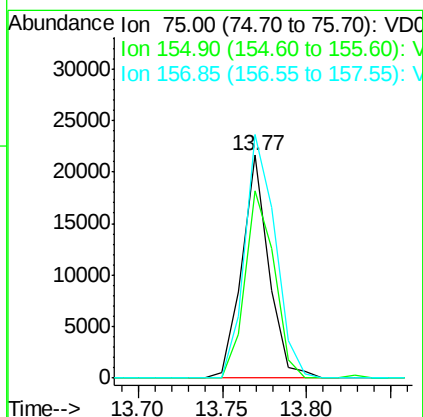
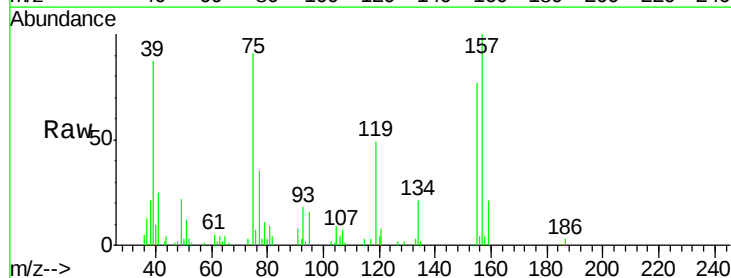
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

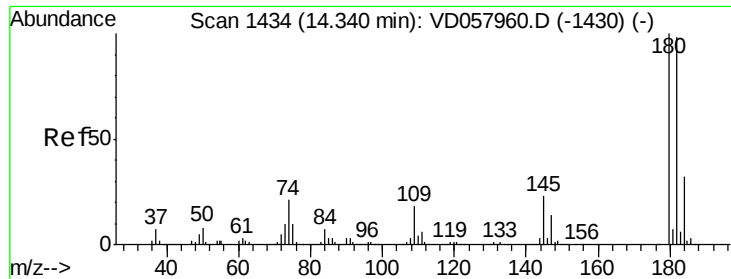
Tot Ion:146 Resp: 314393
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.4 58.2
 148 65.5 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.065 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion: 75 Resp: 24011
 Ion Ratio Lower Upper
 75 100
 155 84.3 33.4 100.1
 157 109.3 42.9 128.5

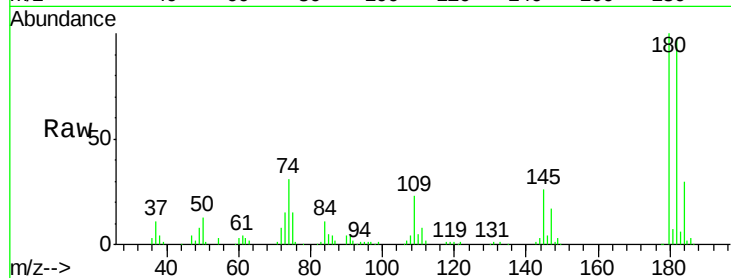




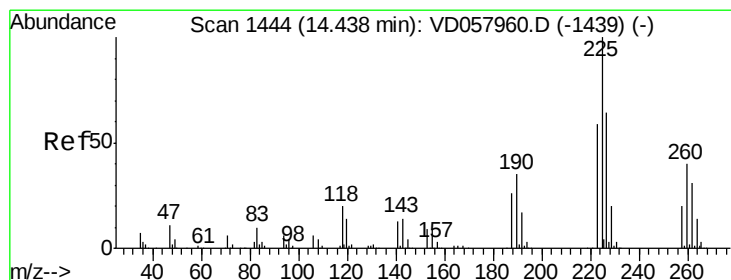
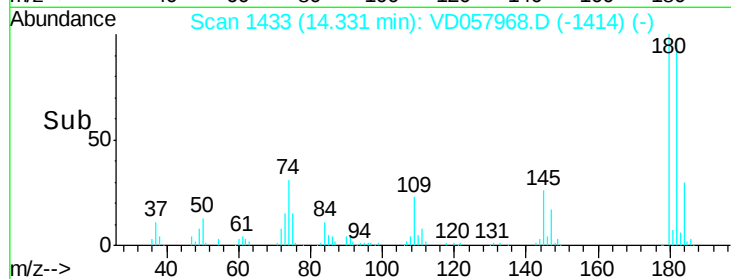
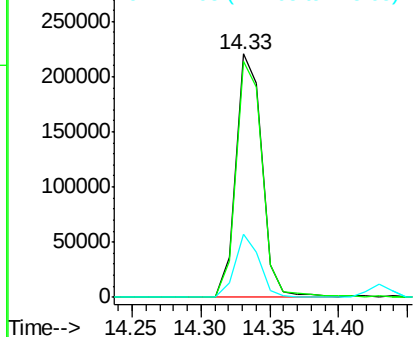
#93
 1,2,4-Trichlorobenzene
 Concen: 21.803 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS01

Tot Ion:180 Resp: 293129
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.0 147.2
 145 25.9 11.8 35.3

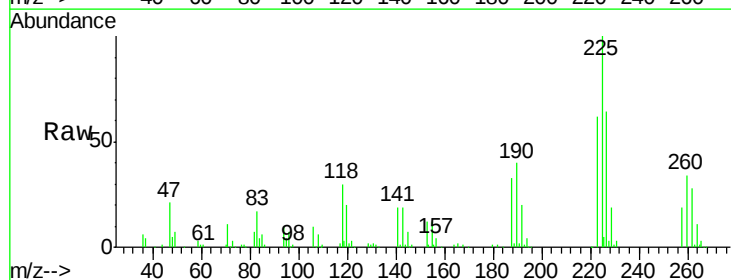


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

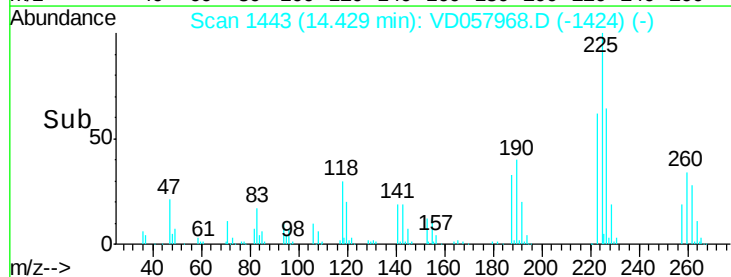
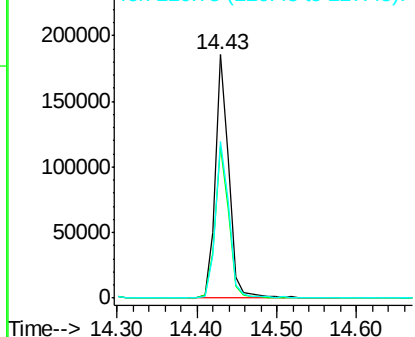


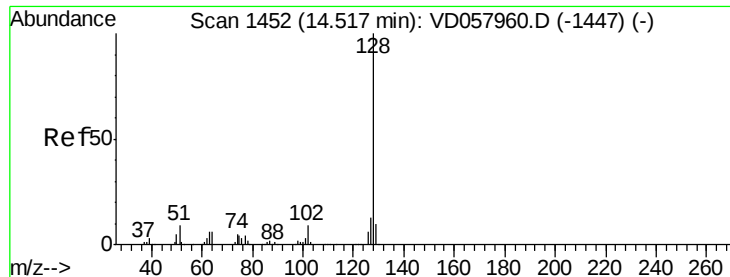
#94
 Hexachlorobutadiene
 Concen: 21.187 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD057968.D
 Acq: 7 Jun 2018 13:33

Tgt Ion:225 Resp: 224059
 Ion Ratio Lower Upper
 225 100
 223 62.1 29.5 88.6
 227 64.1 32.0 96.0



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

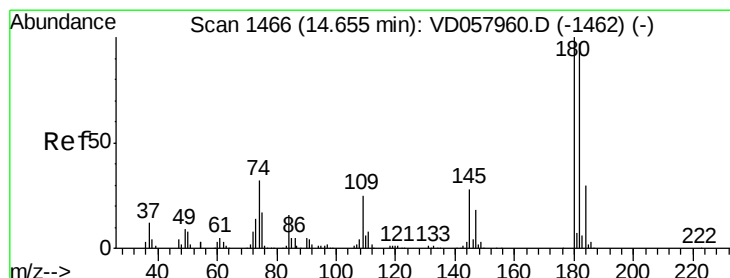
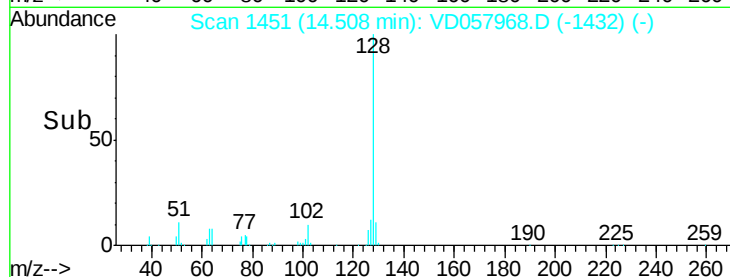
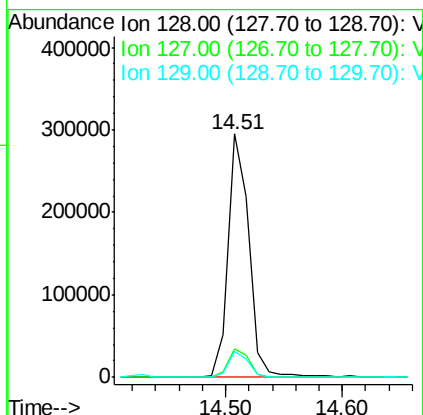
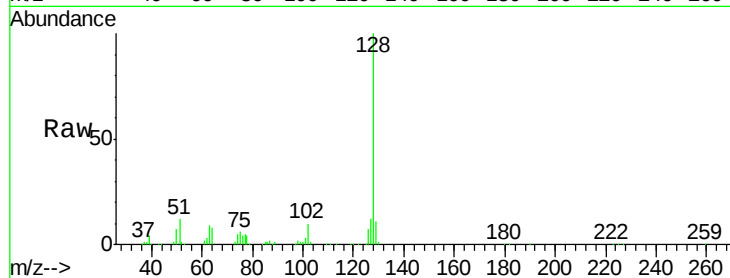




#95
Naphthalene
Concen: 21.004 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS01

Tot Ion:128 Resp: 364093
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.2
129 10.9 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 21.285 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD057968.D
Acq: 7 Jun 2018 13:33

Tgt Ion:180 Resp: 243882
Ion Ratio Lower Upper
180 100
182 92.8 48.5 145.5
145 26.1 14.2 42.8

