

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058341.D
 Acq On : 23 Jun 2018 15:22
 Operator : VA/AP
 Sample : VD0623SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Quant Time: Jun 25 01:06:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	991540	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	1283792	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	1000235	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	527538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	568116	56.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	113.46%	
35) Dibromofluoromethane	5.57	113	567599	54.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.64%	
50) Toluene-d8	8.72	98	1277653	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.94	95	533462	51.66	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.36	85	250517	24.93	ug/l	98
3) Chloromethane	1.50	50	120930	25.84	ug/l #	88
4) Vinyl Chloride	1.57	62	106697	20.54	ug/l	94
5) Bromomethane	1.81	94	39216	20.03	ug/l	88
6) Chloroethane	1.90	64	39717	19.60	ug/l	98
7) Trichlorofluoromethane	2.09	101	163992	23.03	ug/l	93
8) Diethyl Ether	2.36	74	31280	20.76	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.57	101	108918	24.06	ug/l	93
10) Methyl Iodide	2.70	142	98213	19.07	ug/l	90
11) Tert butyl alcohol	3.28	59	28129	85.16	ug/l #	89
12) 1,1-Dichloroethene	2.57	96	82831	24.32	ug/l	98
13) Acrolein	2.50	56	19031	100.92	ug/l	93
14) Allyl chloride	2.94	41	178528	22.52	ug/l	94
15) Acrylonitrile	3.37	53	181398	207.11	ug/l	93
16) Acetone	2.64	43	156438	114.22	ug/l #	91
17) Carbon Disulfide	2.77	76	231502	19.97	ug/l #	95
18) Methyl Acetate	2.95	43	55108	18.87	ug/l	97
19) Methyl tert-butyl Ether	3.42	73	394286	43.64	ug/l	99
20) Methylene Chloride	3.09	84	86691	21.53	ug/l	93
21) trans-1,2-Dichloroethene	3.40	96	192314	51.66	ug/l	90
22) Diisopropyl ether	4.09	45	696905	22.13	ug/l	92
23) Vinyl Acetate	4.04	43	1853264	109.79	ug/l	99
24) 1,1-Dichloroethane	3.99	63	400776	23.62	ug/l	97
25) 2-Butanone	4.86	43	314847	105.47	ug/l	100
26) 2,2-Dichloropropane	4.82	77	325081	22.88	ug/l	99
27) cis-1,2-Dichloroethene	4.82	96	215452	23.16	ug/l	99
28) Bromochloromethane	5.17	49	172361	22.66	ug/l #	100
29) Tetrahydrofuran	5.21	42	153029	96.31	ug/l	94
30) Chloroform	5.34	83	407637	22.76	ug/l	92
31) Cyclohexane	5.61	56	309392	22.21	ug/l	97
32) 1,1,1-Trichloroethane	5.53	97	330938	22.36	ug/l	95
36) 1,1-Dichloropropene	5.77	75	306380	24.12	ug/l	98
37) Ethyl Acetate	4.94	43	158893	21.96	ug/l	99
38) Carbon Tetrachloride	5.75	117	283653	22.48	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	275673	22.29	ug/l	99
40) Benzene	6.03	78	690728	22.83	ug/l	99
41) Methacrylonitrile	5.15	41	76543	21.91	ug/l	96
42) 1,2-Dichloroethane	6.15	62	271869	22.29	ug/l	99
43) Isopropyl Acetate	7.63	43	196381	20.36	ug/l #	95
44) Trichloroethene	7.00	130	206881	22.77	ug/l	92
45) 1,2-Dichloropropane	7.36	63	188900	23.19	ug/l	98
46) Dibromomethane	7.48	93	125109	22.49	ug/l	94
47) Bromodichloromethane	7.75	83	284822	22.46	ug/l	99
48) Methyl methacrylate	7.52	41	120581	20.57	ug/l	97
49) 1,4-Dioxane	7.51	88	23862	450.86	ug/l #	79
51) 4-Methyl-2-Pentanone	8.61	43	662779	105.33	ug/l	99
52) Toluene	8.82	92	403908	23.45	ug/l	95
53) t-1,3-Dichloropropene	9.20	75	245621	22.27	ug/l	99
54) cis-1,3-Dichloropropene	8.38	75	293359	22.69	ug/l	96
55) 1,1,2-Trichloroethane	9.47	97	136505	22.40	ug/l	95
56) Ethyl methacrylate	9.33	69	160573	22.03	ug/l	91
57) 1,3-Dichloropropane	9.67	76	233600	22.75	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.21	63	409909	113.60	ug/l	99
59) 2-Hexanone	9.80	43	506996	111.50	ug/l	96
60) Dibromochloromethane	9.97	129	178713	21.61	ug/l	98
61) 1,2-Dibromoethane	10.11	107	146800	22.01	ug/l	96
64) Tetrachloroethene	9.53	164	192320	22.85	ug/l	97
65) Chlorobenzene	10.73	112	436419	23.33	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	168947	23.40	ug/l	98
67) Ethyl Benzene	10.87	91	784429	23.75	ug/l	97
68) m/p-Xylenes	11.02	106	528055	47.94	ug/l	97
69) o-Xylene	11.42	106	248498	23.62	ug/l	96
70) Styrene	11.44	104	417807	23.27	ug/l	99
71) Bromoform	11.60	173	123774	21.49	ug/l	96
73) Isopropylbenzene	11.78	105	715014	22.66	ug/l	99
74) N-amyl acetate	11.65	43	256857	21.05	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.09	83	164339	22.38	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	174209	22.62	ug/l	97
77) Bromobenzene	12.05	156	215686	22.83	ug/l	85
78) n-propylbenzene	12.16	91	970843	23.82	ug/l	96
79) 2-Chlorotoluene	12.22	91	520543	22.32	ug/l	92
80) 1,3,5-Trimethylbenzene	12.32	105	552009	22.43	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	37588	20.01	ug/l	99
82) 4-Chlorotoluene	12.33	91	597044	23.38	ug/l	97
83) tert-Butylbenzene	12.58	119	645406	22.81	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	615627	23.01	ug/l	99
85) sec-Butylbenzene	12.77	105	740709	22.33	ug/l	94
86) p-Isopropyltoluene	12.89	119	593761	22.09	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	366951	22.34	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	358891	22.38	ug/l	96
89) n-Butylbenzene	13.20	91	671120	23.76	ug/l	97
90) Hexachloroethane	13.41	117	154516	22.15	ug/l	80
91) 1,2-Dichlorobenzene	13.20	146	323579	23.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	23477	20.09	ug/l	87

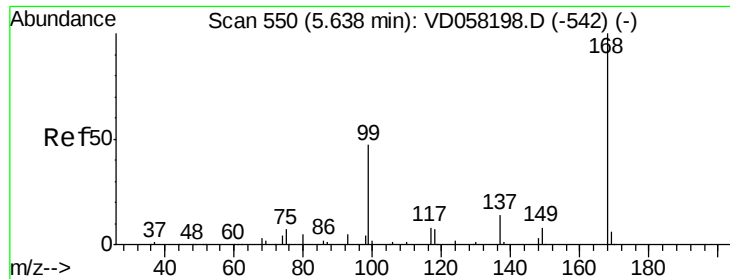
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062318\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	283572	21.21	ug/l	94
94) Hexachlorobutadiene	14.44	225	217447	20.80	ug/l	96
95) Naphthalene	14.52	128	370403	21.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	247982	21.19	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

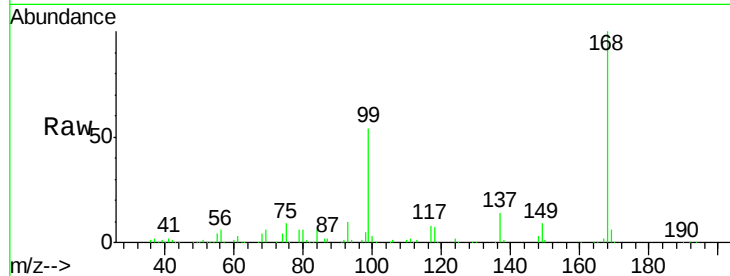
VD0623SBS01

Tot Ion:168 Resp: 991540

Ion Ratio Lower Upper

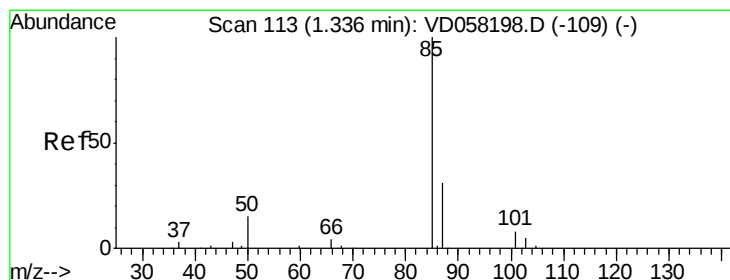
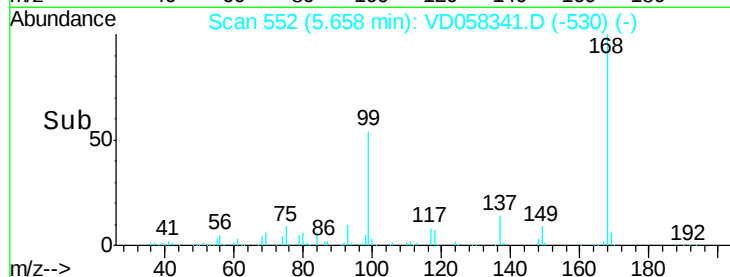
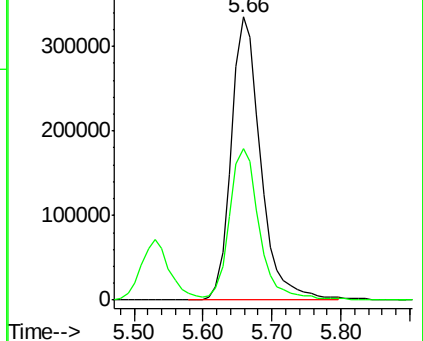
168 100

99 53.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.93 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058341.D

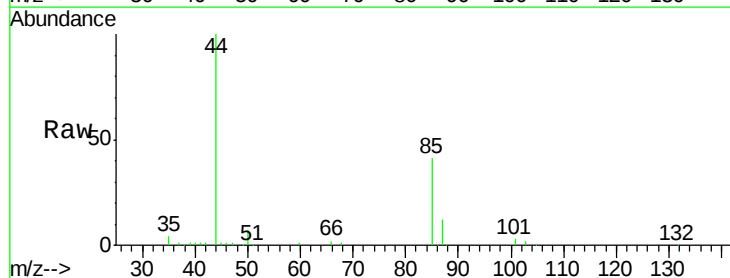
Acq: 23 Jun 2018 15:22

Tgt Ion: 85 Resp: 250517

Ion Ratio Lower Upper

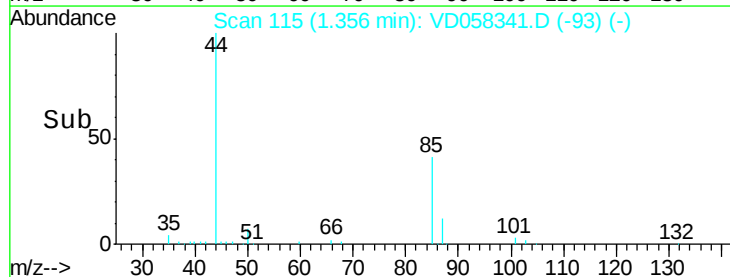
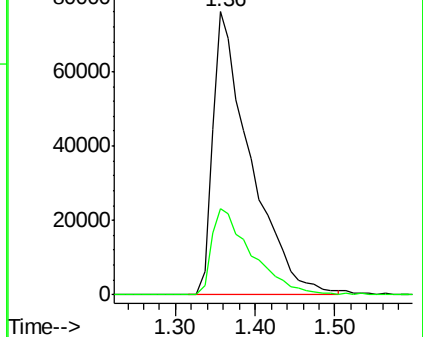
85 100

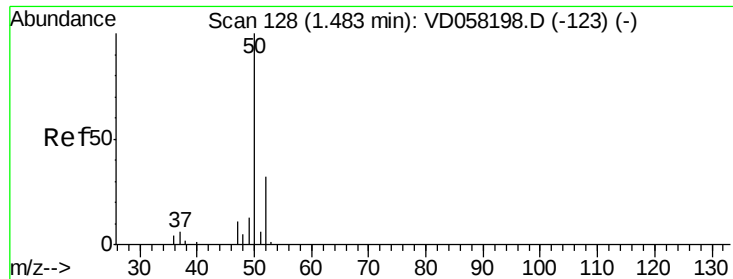
87 30.4 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 25.84 ug/l

RT: 1.50 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

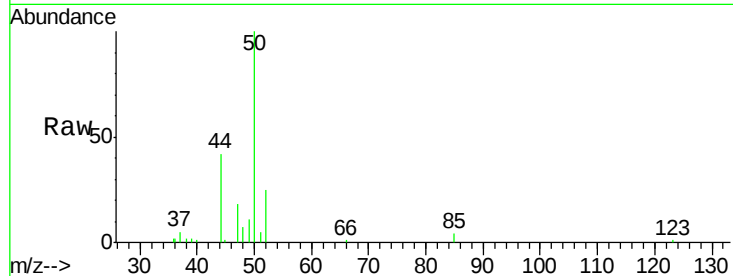
VD0623SBS01

Tot Ion: 50 Resp: 120930

Ion Ratio Lower Upper

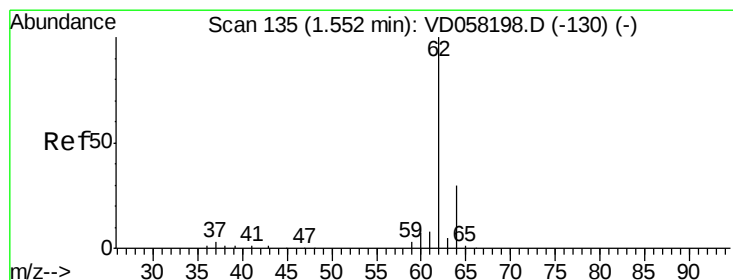
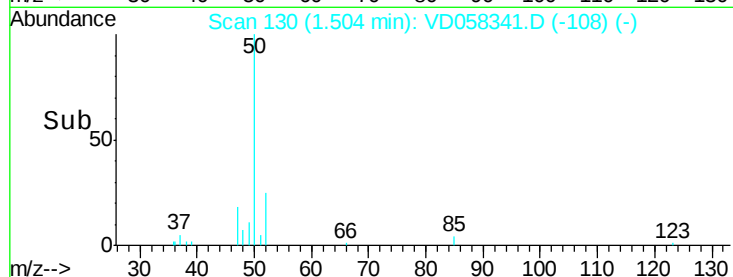
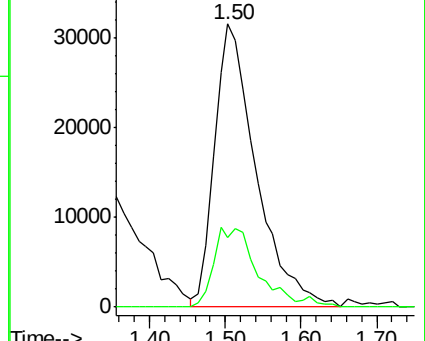
50 100

52 24.6 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.54 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058341.D

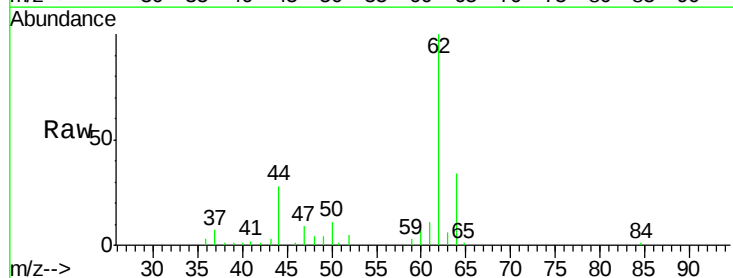
Acq: 23 Jun 2018 15:22

Tgt Ion: 62 Resp: 106697

Ion Ratio Lower Upper

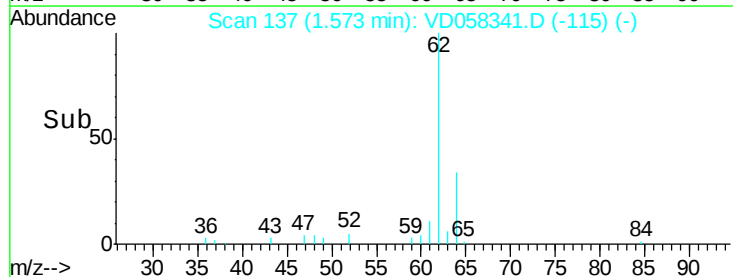
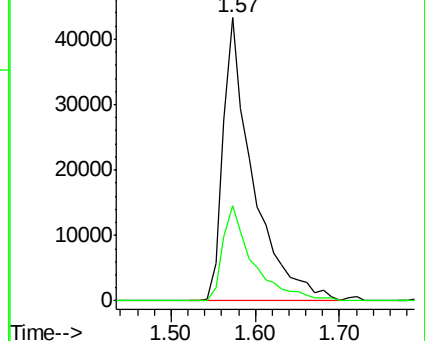
62 100

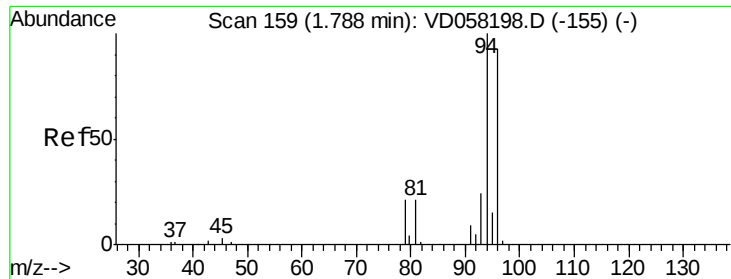
64 33.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.03 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

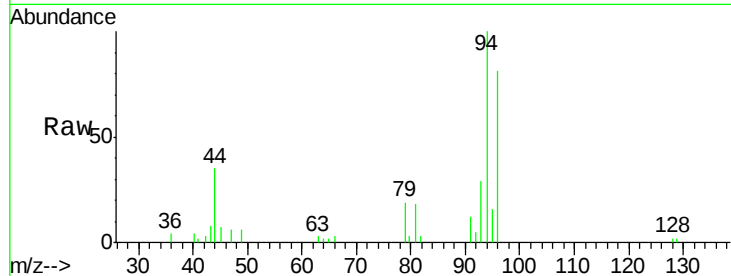
VD0623SBS01

Tot Ion: 94 Resp: 39216

Ion Ratio Lower Upper

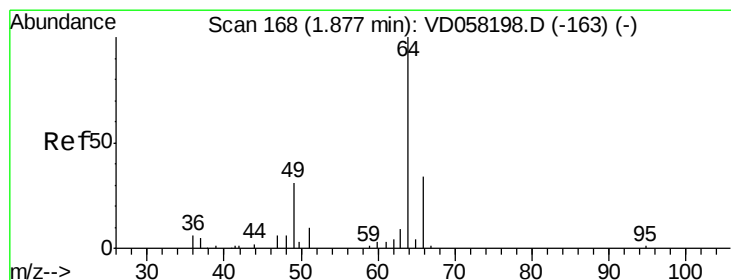
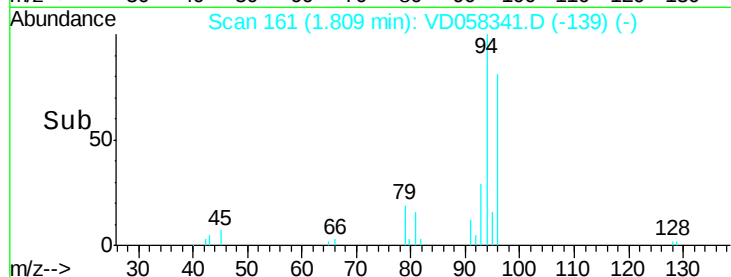
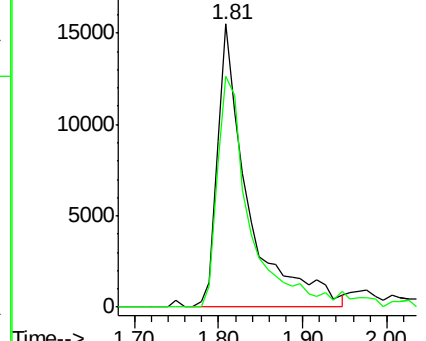
94 100

96 81.4 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.60 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD058341.D

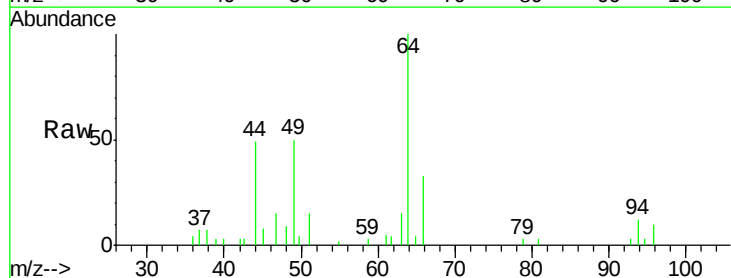
Acq: 23 Jun 2018 15:22

Tgt Ion: 64 Resp: 39717

Ion Ratio Lower Upper

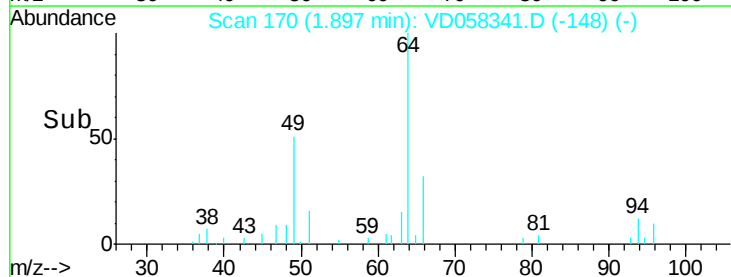
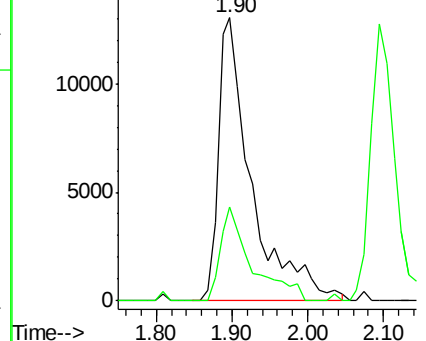
64 100

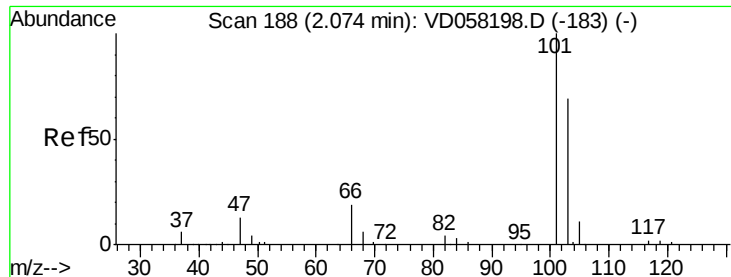
66 33.1 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



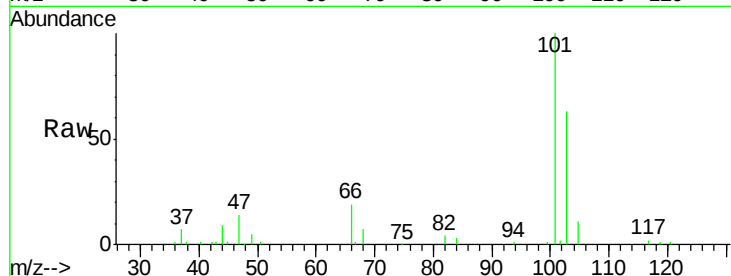


#7

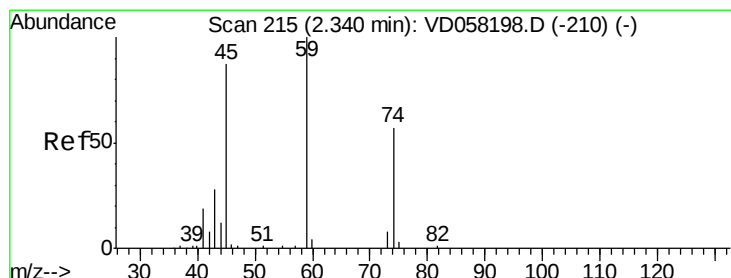
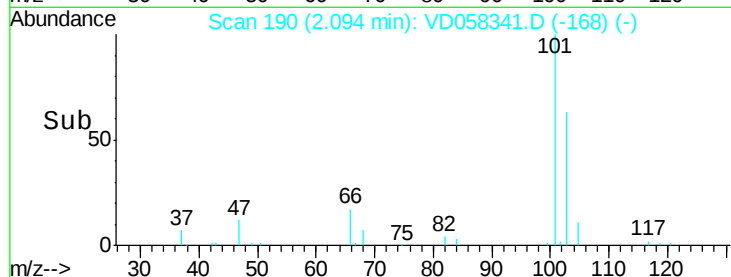
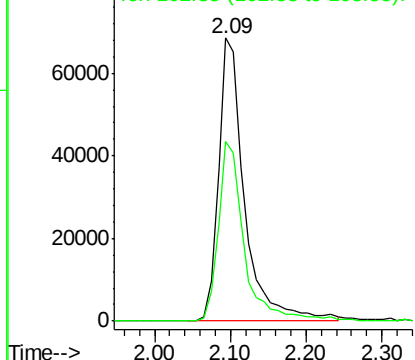
Trichlorofluoromethane
 Concen: 23.03 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion:101 Resp: 163992
 Ion Ratio Lower Upper
 101 100
 103 63.5 55.1 82.7



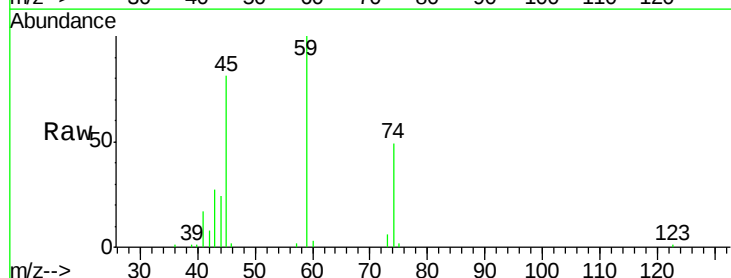
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



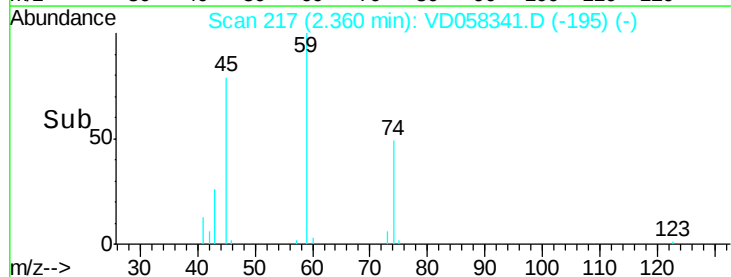
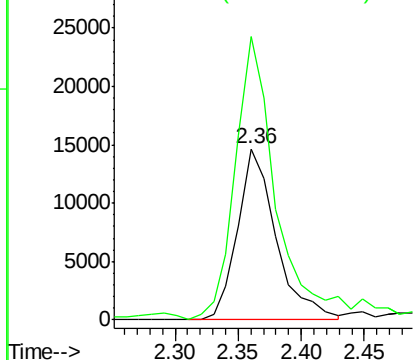
#8

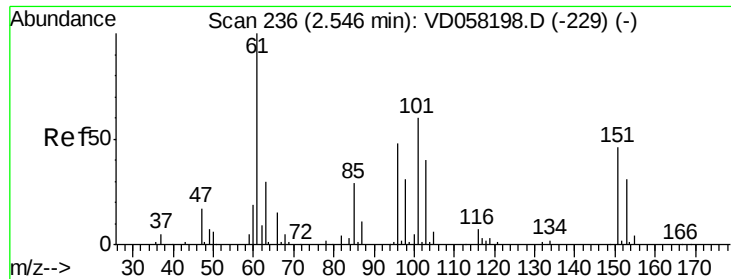
Diethyl Ether
 Concen: 20.76 ug/l
 RT: 2.36 min Scan# 217
 Delta R.T. 0.02 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion: 74 Resp: 31280
 Ion Ratio Lower Upper
 74 100
 45 165.6 77.5 232.6



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

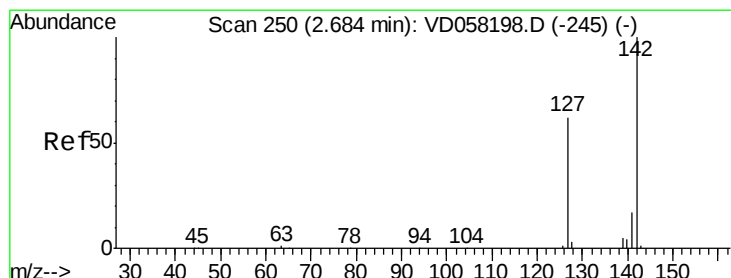
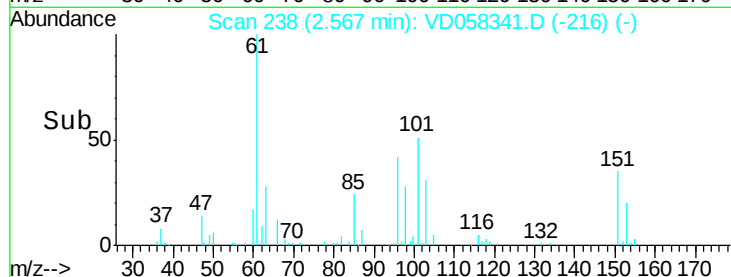
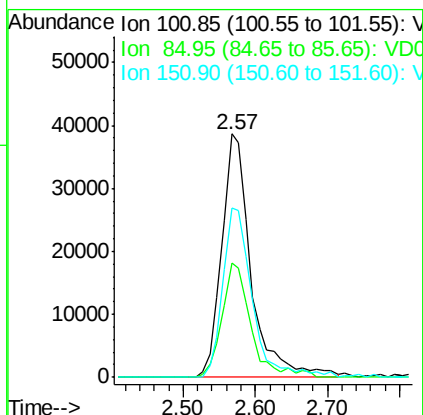
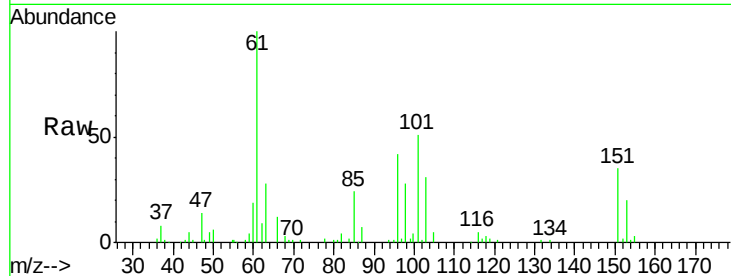




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 24.06 ug/l
 RT: 2.57 min Scan# 238
 Delta R.T. 0.02 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

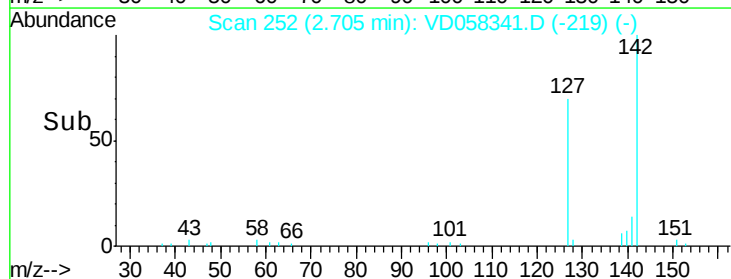
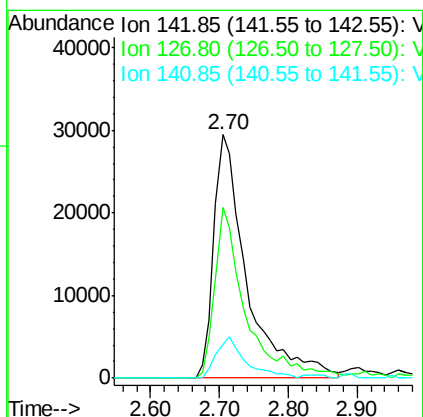
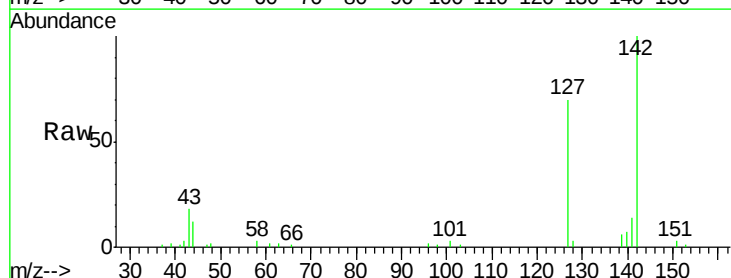
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

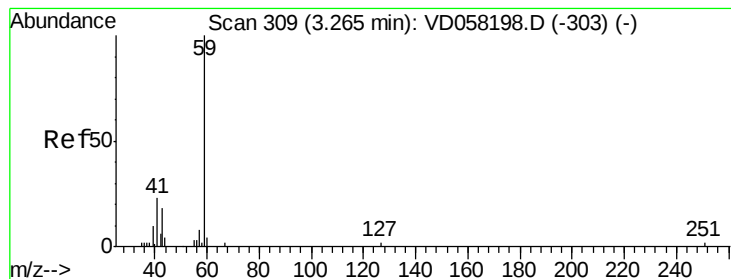
Tot Ion	Ratio	Lower	Upper
101	100		
85	47.0	39.0	58.4
151	69.4	61.8	92.8



#10
 Methyl Iodide
 Concen: 19.07 ug/l
 RT: 2.70 min Scan# 252
 Delta R.T. 0.02 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
142	100		
127	70.2	49.4	74.0
141	13.9	13.5	20.3



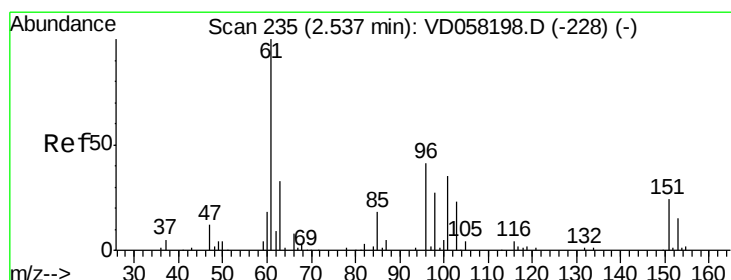
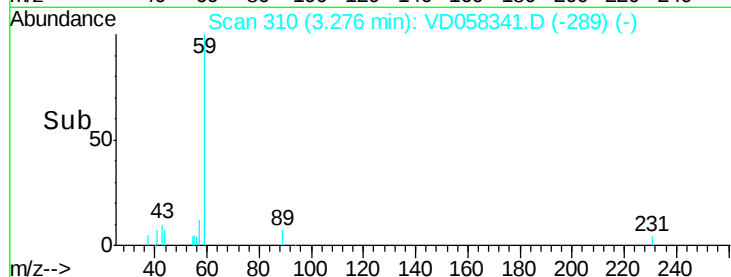
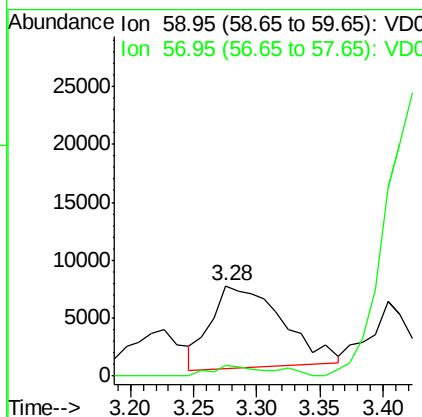
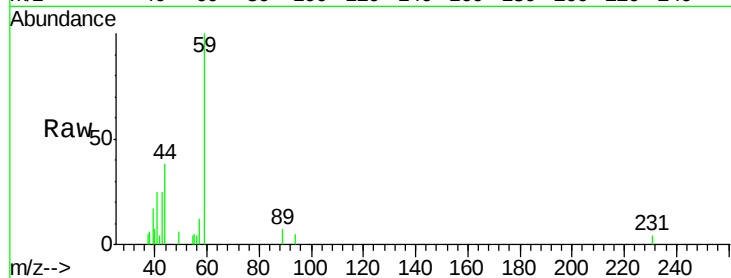


#11

Tert butyl alcohol
 Concen: 85.16 ug/l
 RT: 3.28 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

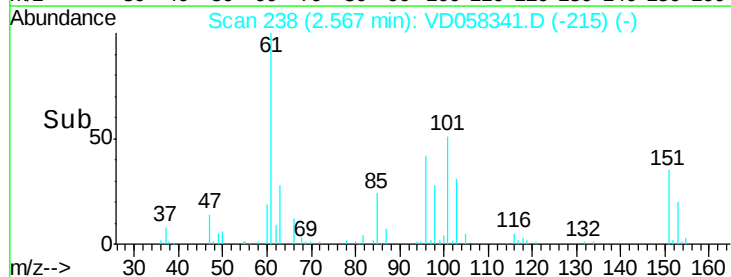
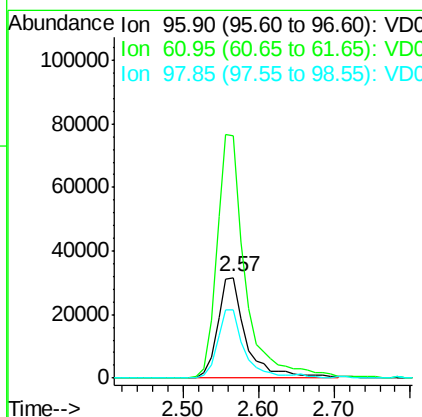
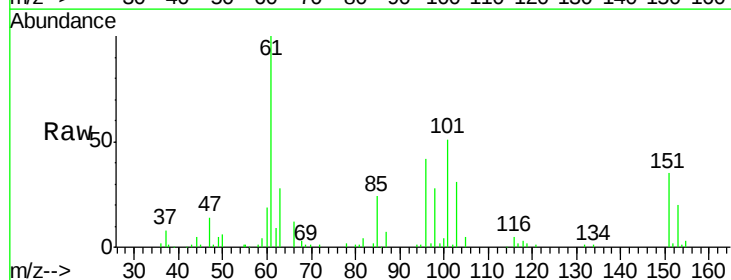
Tot Ion: 59 Resp: 28129
 Ion Ratio Lower Upper
 59 100
 57 11.7 6.2 9.4#

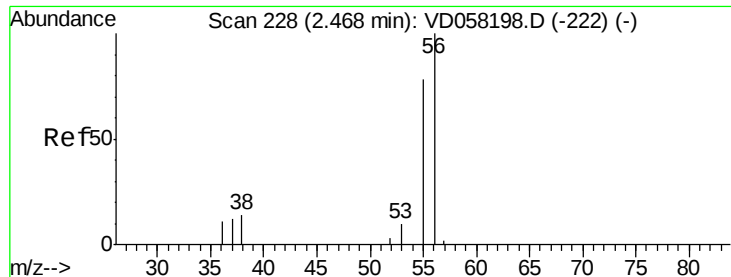


#12

1,1-Dichloroethene
 Concen: 24.32 ug/l
 RT: 2.57 min Scan# 238
 Delta R.T. 0.03 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion: 96 Resp: 82831
 Ion Ratio Lower Upper
 96 100
 61 240.4 193.9 290.9
 98 67.4 51.7 77.5





#13

Acrolein

Concen: 100.92 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.03 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

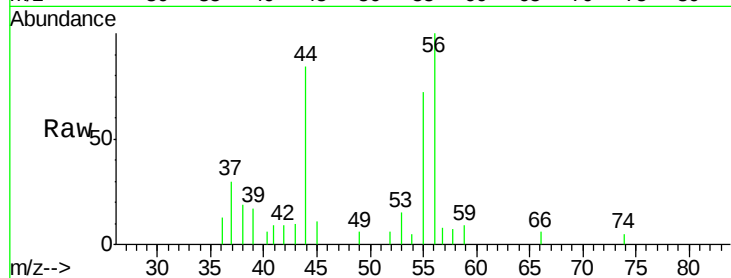
VD0623SBS01

Tot Ion: 56 Resp: 19031

Ion Ratio Lower Upper

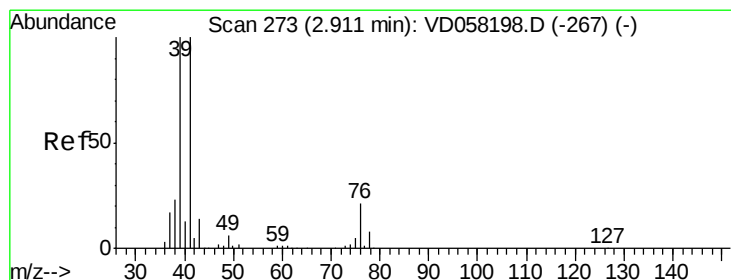
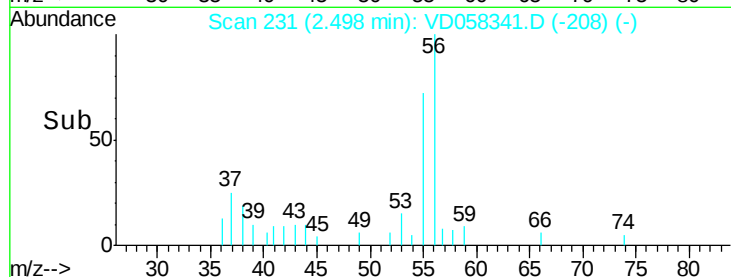
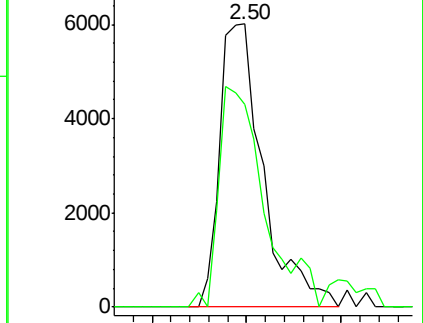
56 100

55 71.6 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.52 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.03 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

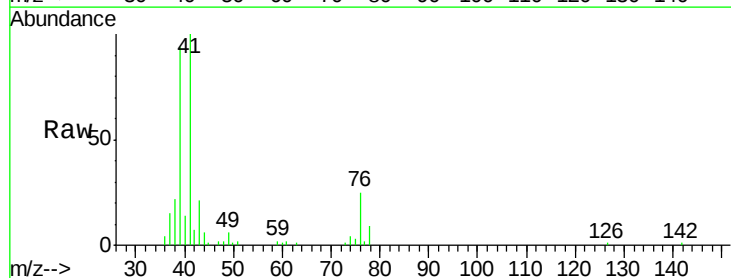
Tgt Ion: 41 Resp: 178528

Ion Ratio Lower Upper

41 100

39 93.7 80.1 120.1

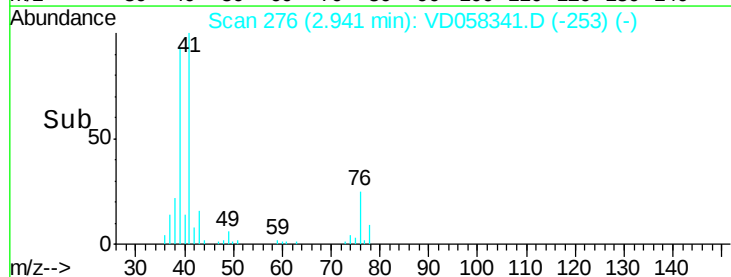
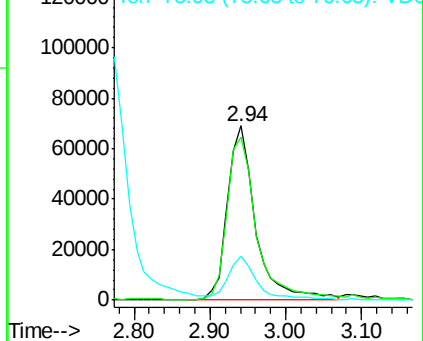
76 25.2 19.4 29.2

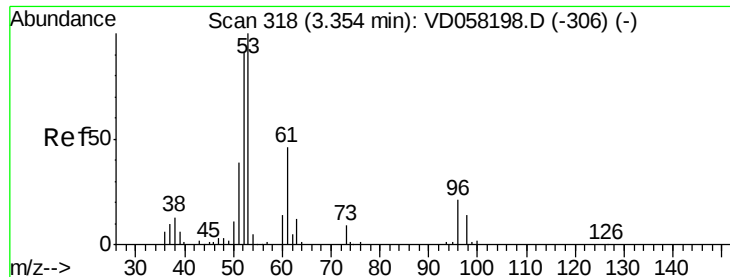


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 207.11 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

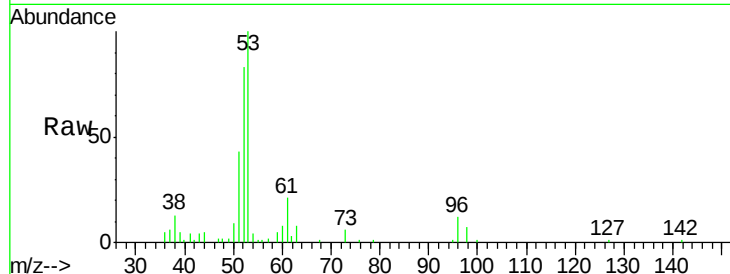
Tot Ion: 53 Resp: 181398

Ion Ratio Lower Upper

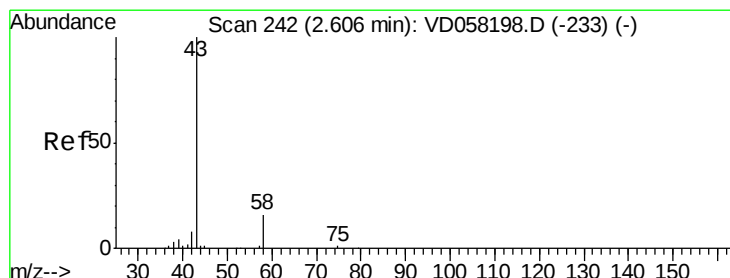
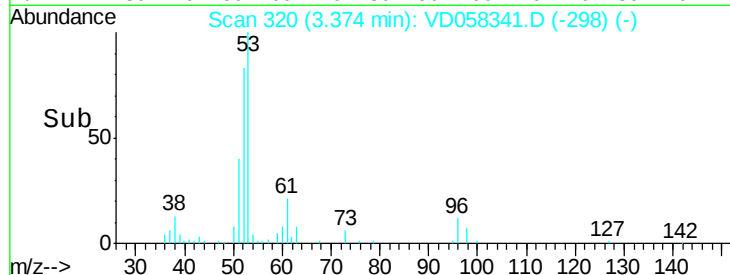
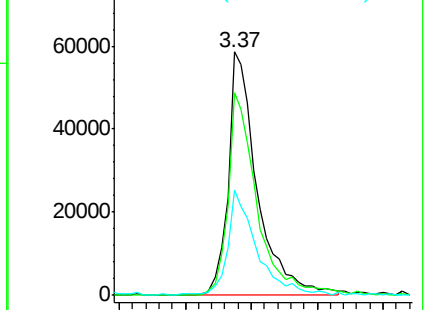
53 100

52 83.4 72.6 108.8

51 43.0 32.2 48.4



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



#16

Acetone

Concen: 114.22 ug/l

RT: 2.64 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058341.D

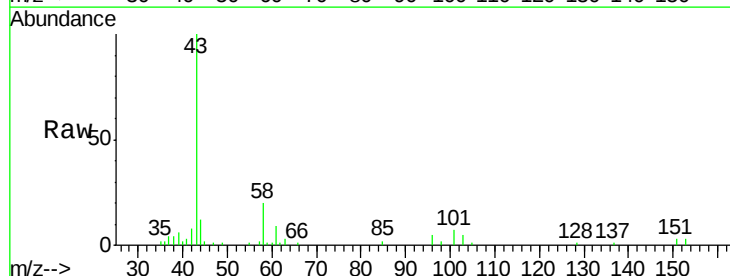
Acq: 23 Jun 2018 15:22

Tgt Ion: 43 Resp: 156438

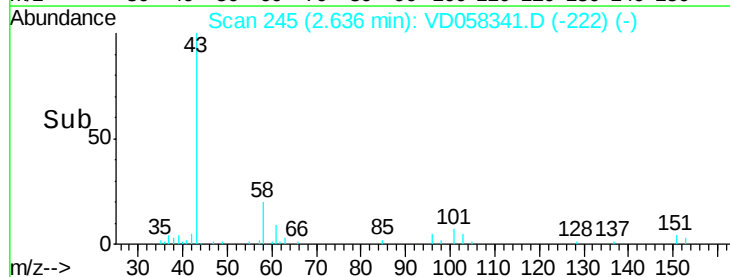
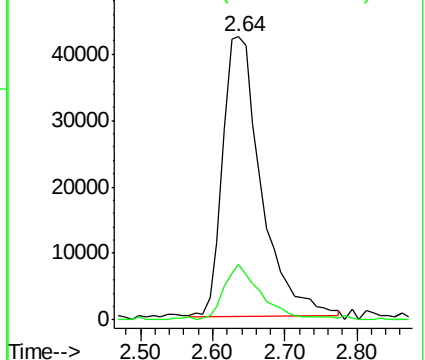
Ion Ratio Lower Upper

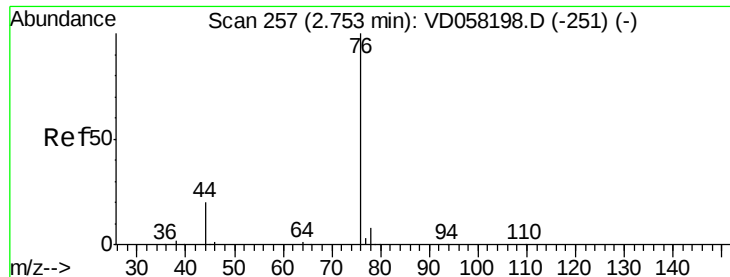
43 100

58 19.8 12.7 19.1#



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





#17

Carbon Disulfide

Concen: 19.97 ug/l

RT: 2.77 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

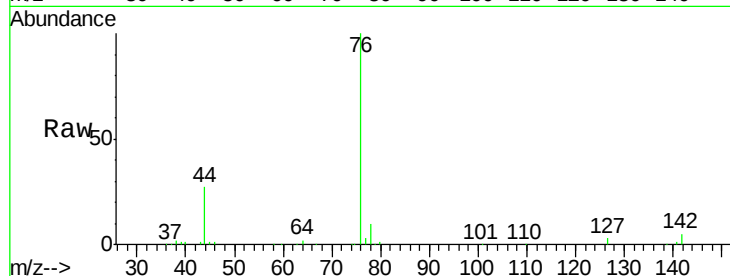
VD0623SBS01

Tot Ion: 76 Resp: 231502

Ion Ratio Lower Upper

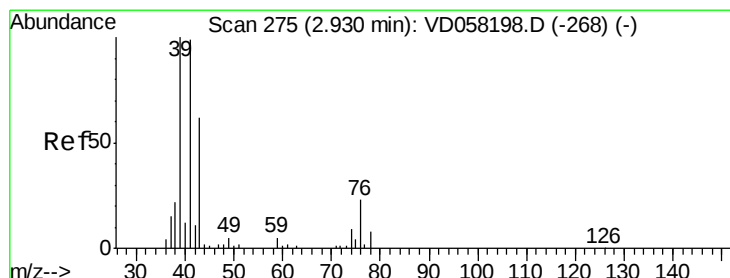
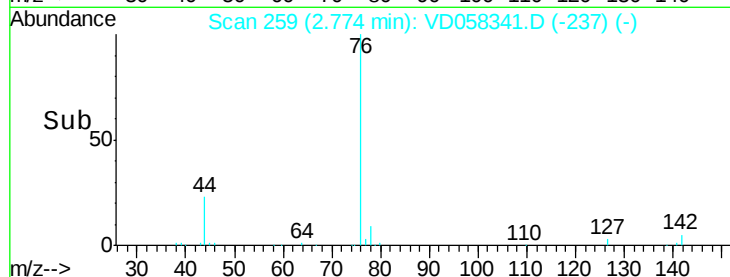
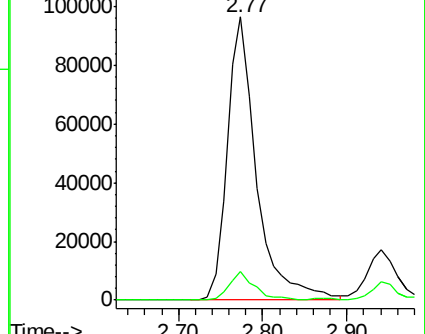
76 100

78 10.2 6.8 10.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.87 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058341.D

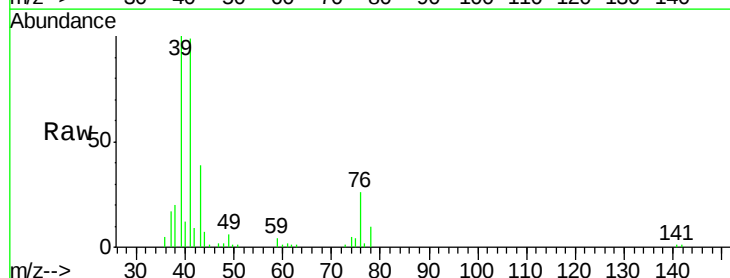
Acq: 23 Jun 2018 15:22

Tgt Ion: 43 Resp: 55108

Ion Ratio Lower Upper

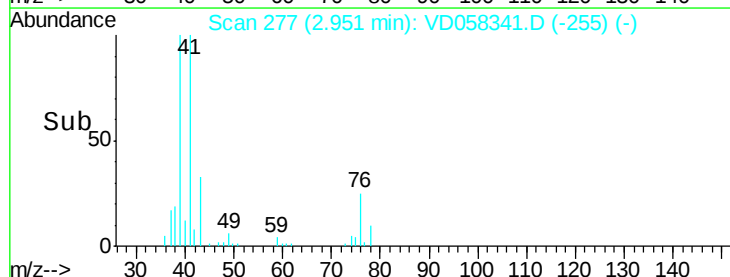
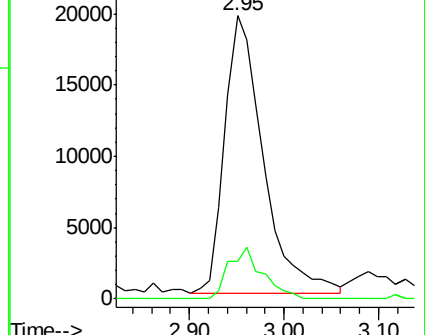
43 100

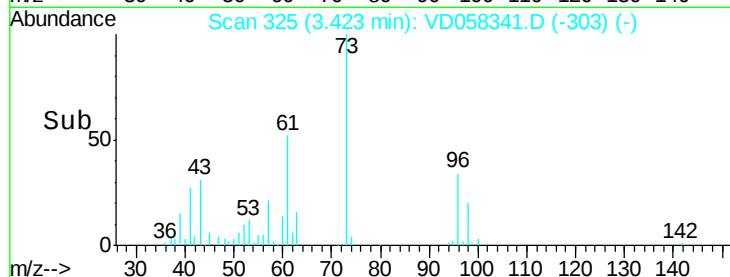
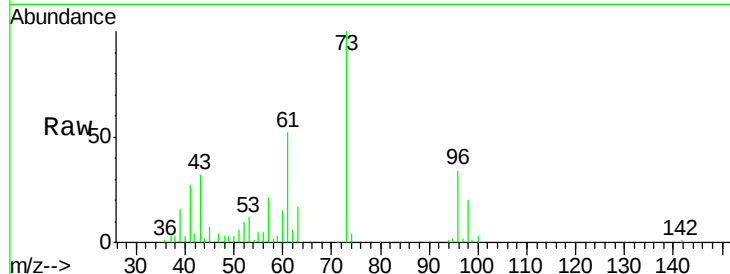
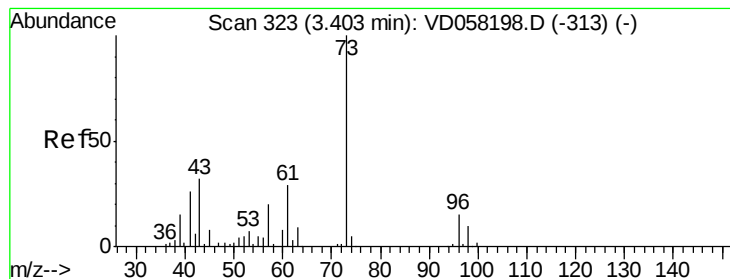
74 13.3 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



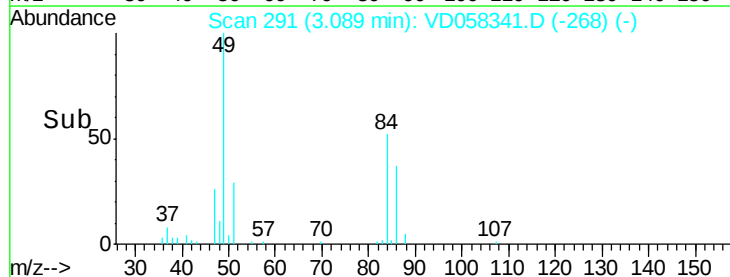
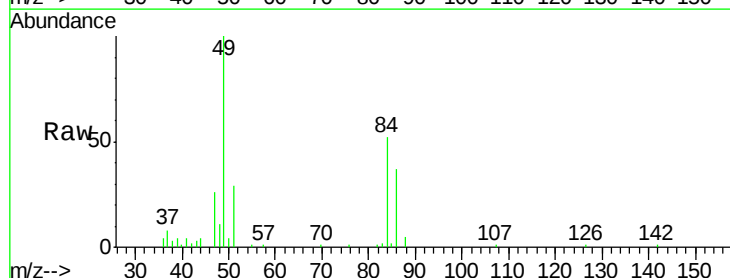
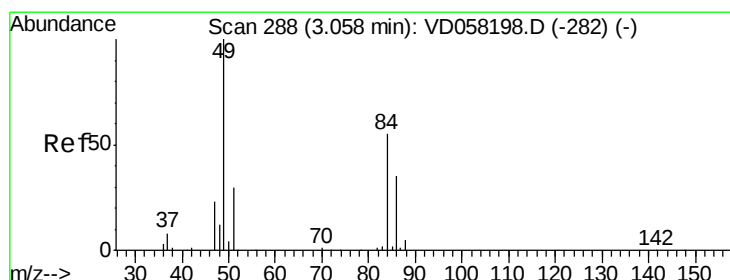
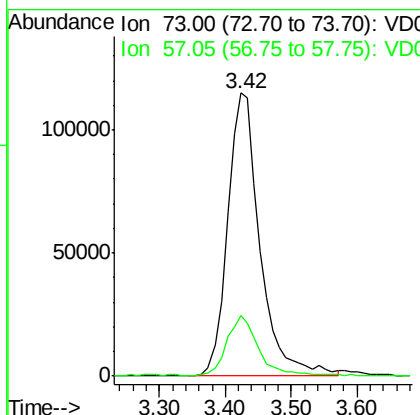


#19

Methyl tert-butyl Ether
Concen: 43.64 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

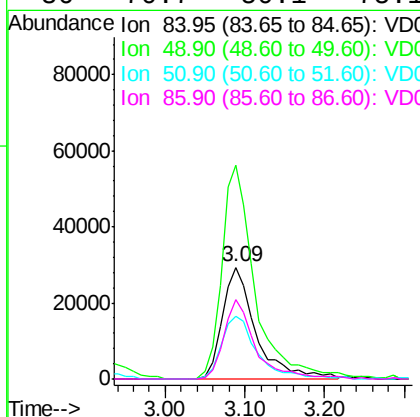
Tot Ion: 73 Resp: 394286
Ion Ratio Lower Upper
73 100
57 21.2 16.6 24.8

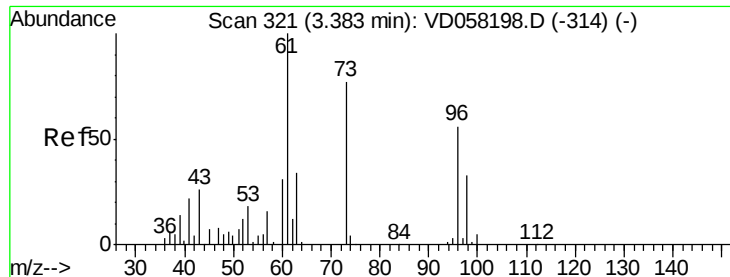


#20

Methylene Chloride
Concen: 21.53 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion: 84 Resp: 86691
Ion Ratio Lower Upper
84 100
49 190.8 145.0 217.6
51 56.3 42.9 64.3
86 70.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 51.66 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

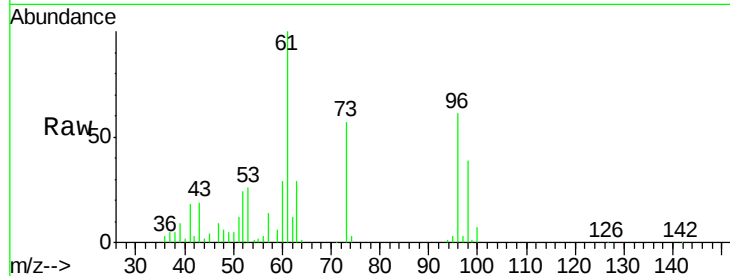
Tot Ion: 96 Resp: 192314

Ion Ratio Lower Upper

96 100

61 163.2 143.8 215.6

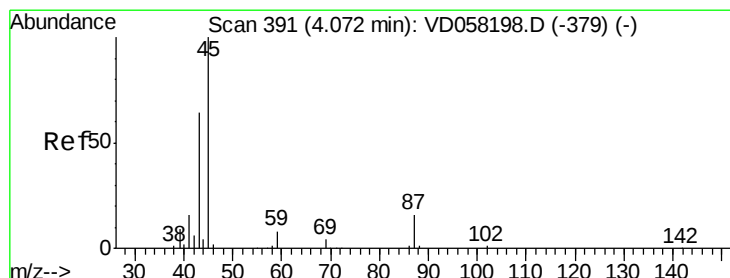
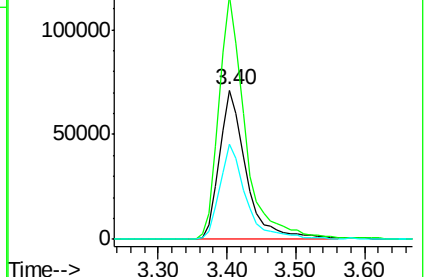
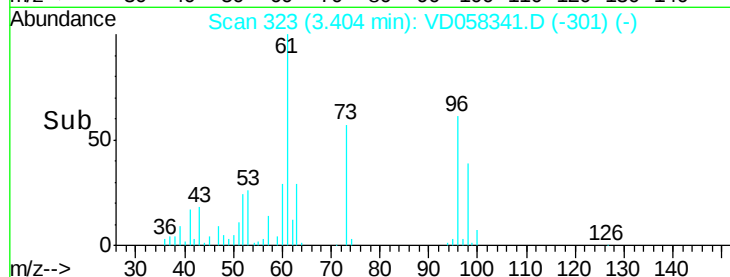
98 64.1 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.13 ug/l

RT: 4.09 min Scan# 393

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Tgt Ion: 45 Resp: 696905

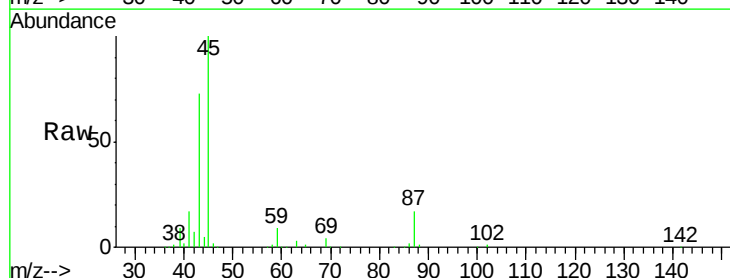
Ion Ratio Lower Upper

45 100

43 73.0 51.4 77.0

87 16.6 13.0 19.4

59 8.9 6.9 10.3

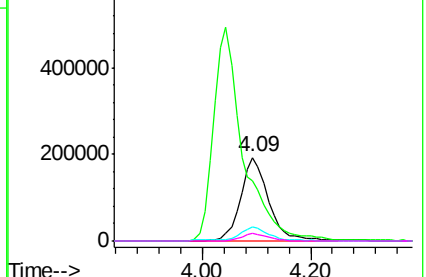
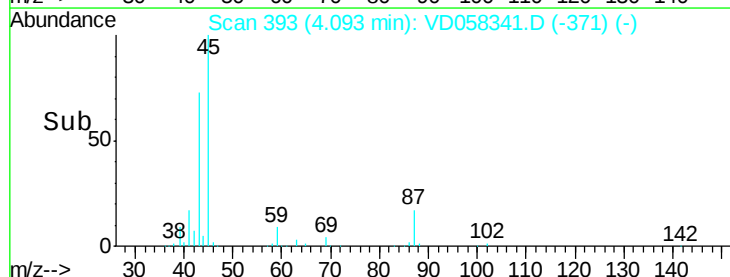


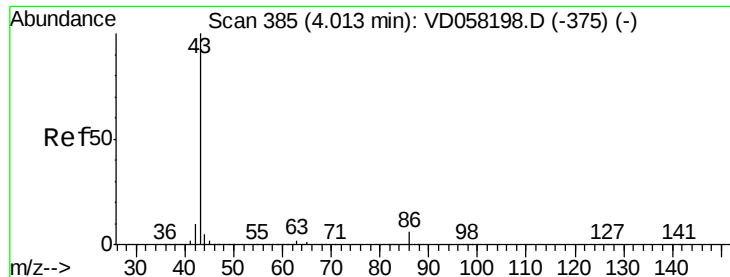
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

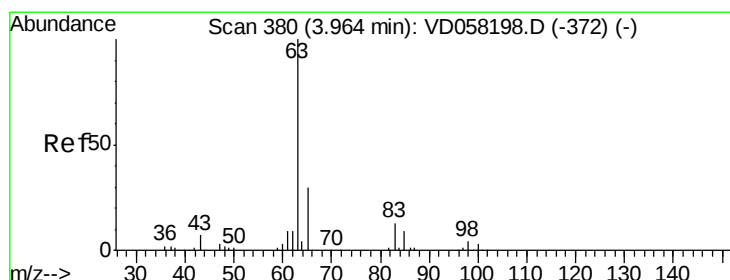
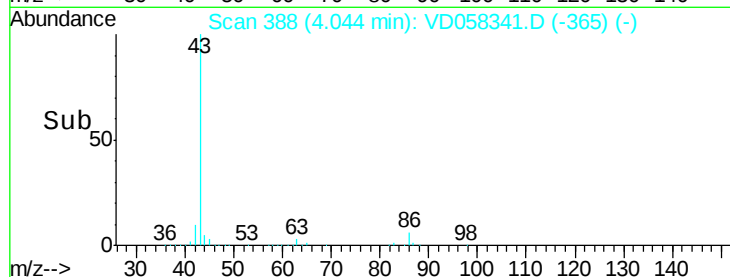
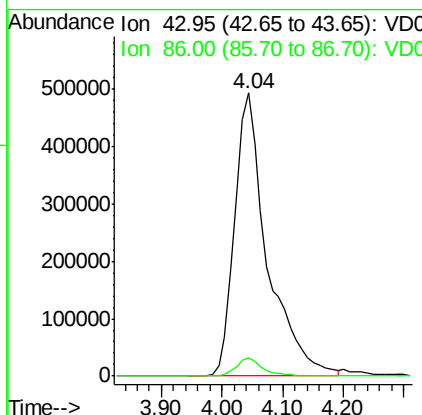
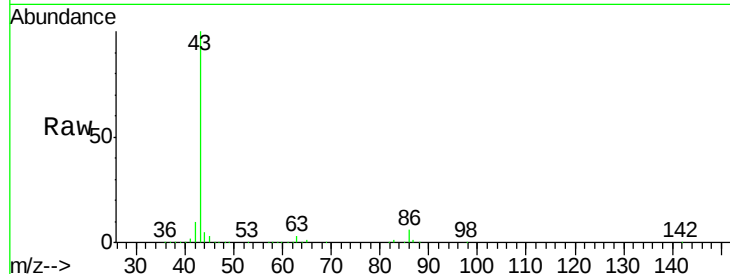




#23
 Vinyl Acetate
 Concen: 109.79 ug/l
 RT: 4.04 min Scan# 388
 Delta R.T. 0.03 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

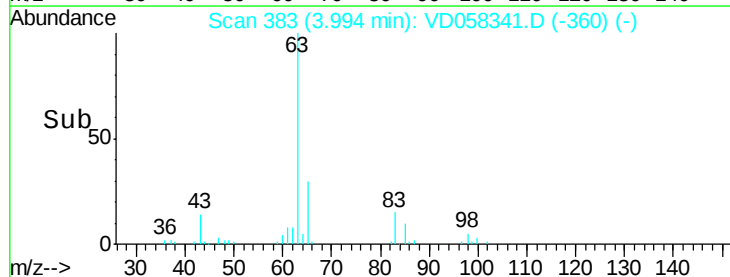
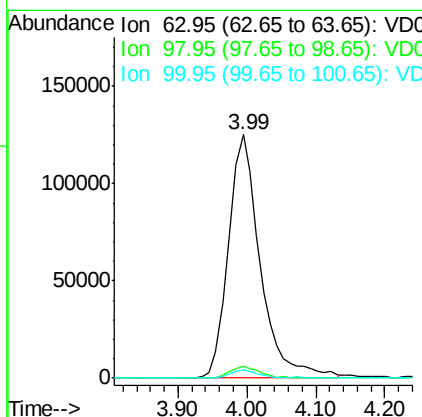
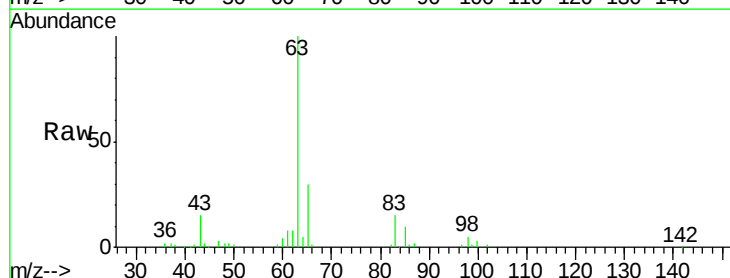
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

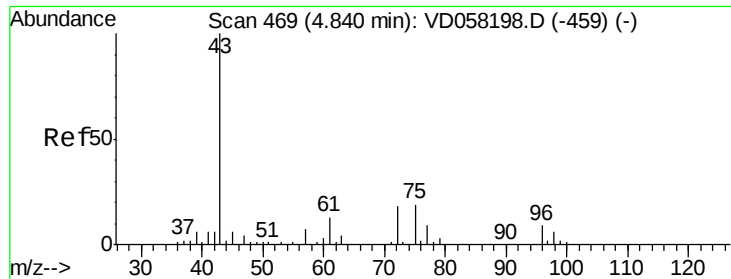
Tot Ion: 43 Resp: 1853264
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 23.62 ug/l
 RT: 3.99 min Scan# 383
 Delta R.T. 0.03 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion: 63 Resp: 400776
 Ion Ratio Lower Upper
 63 100
 98 4.9 1.9 5.7
 100 3.5 1.3 3.9





#25

2-Butanone

Concen: 105.47 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

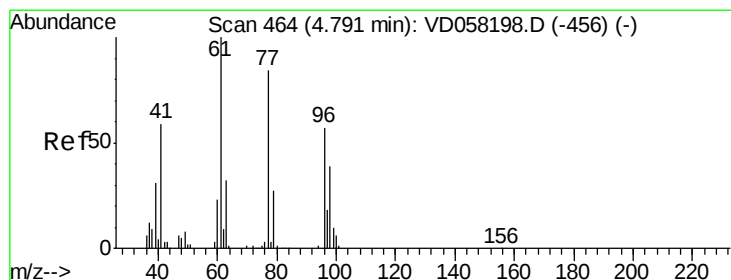
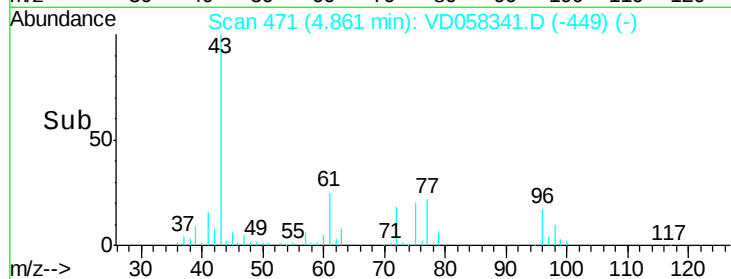
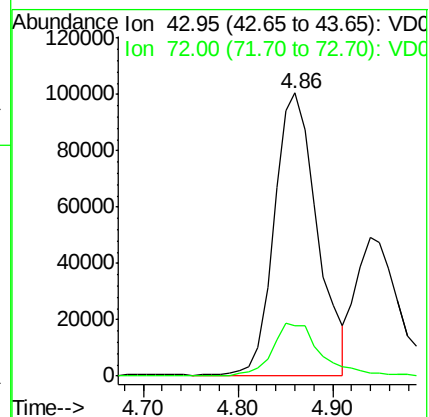
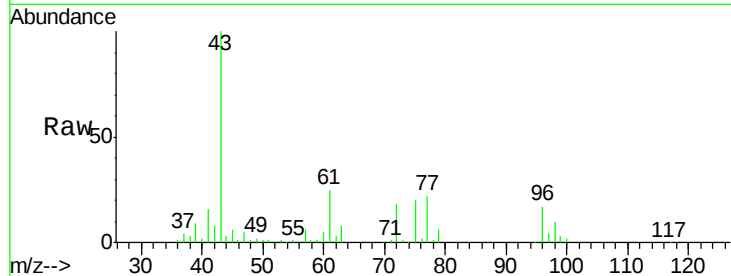
VD0623SBS01

Tot Ion: 43 Resp: 314847

Ion Ratio Lower Upper

43 100

72 17.8 14.1 21.1



#26

2,2-Dichloropropane

Concen: 22.88 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD058341.D

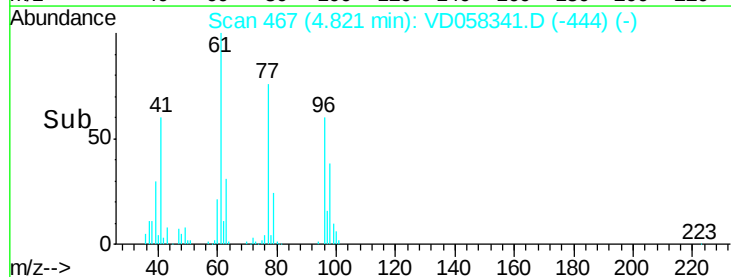
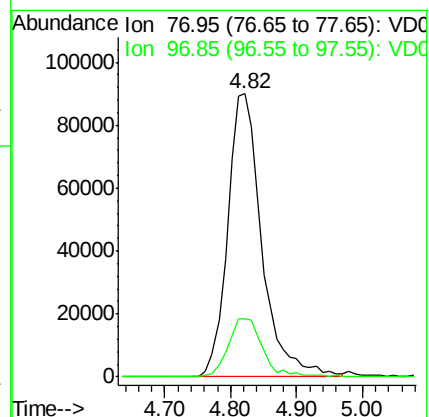
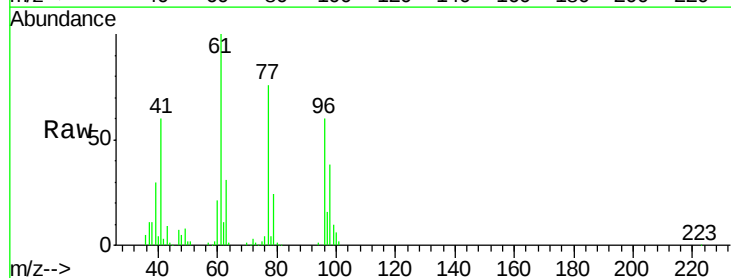
Acq: 23 Jun 2018 15:22

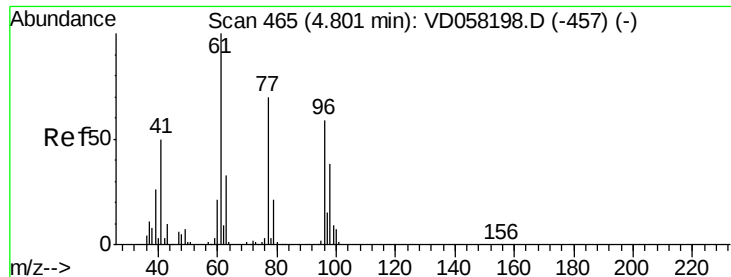
Tgt Ion: 77 Resp: 325081

Ion Ratio Lower Upper

77 100

97 20.7 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 23.16 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

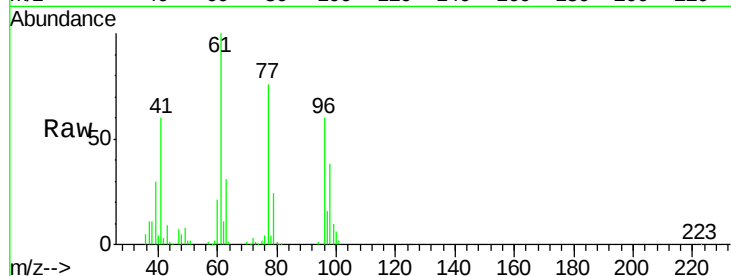
Tot Ion: 96 Resp: 215452

Ion Ratio Lower Upper

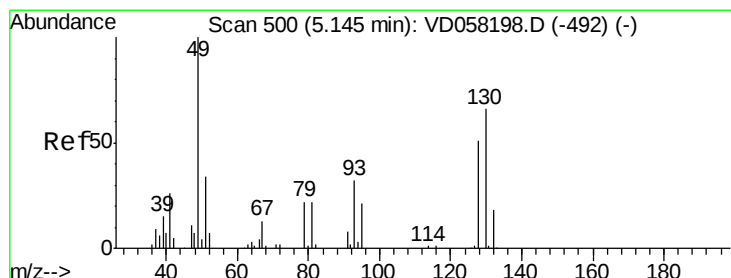
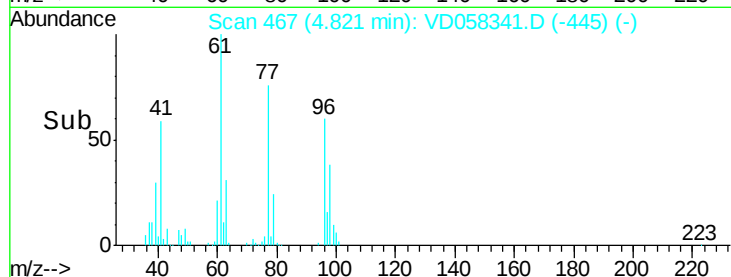
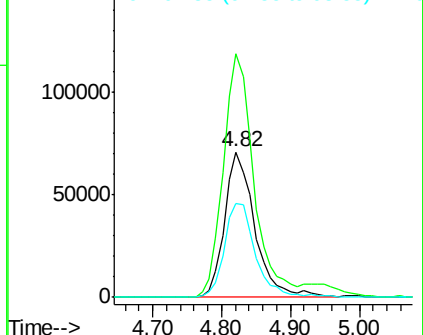
96 100

61 167.6 0.0 338.6

98 64.2 0.0 130.2



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



#28

Bromochloromethane

Concen: 22.66 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

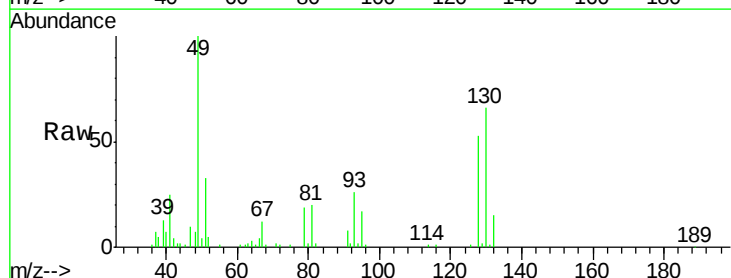
Tgt Ion: 49 Resp: 172361

Ion Ratio Lower Upper

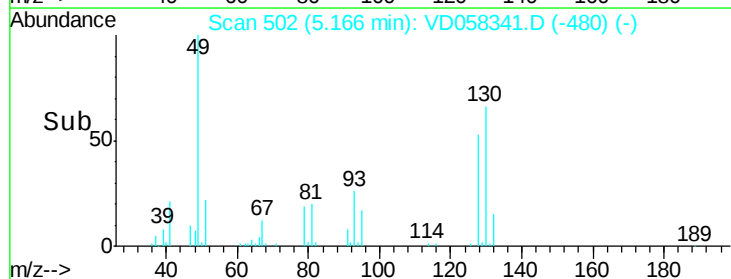
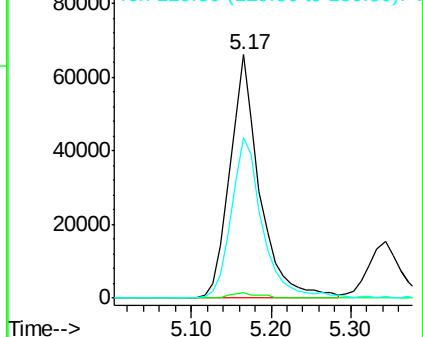
49 100

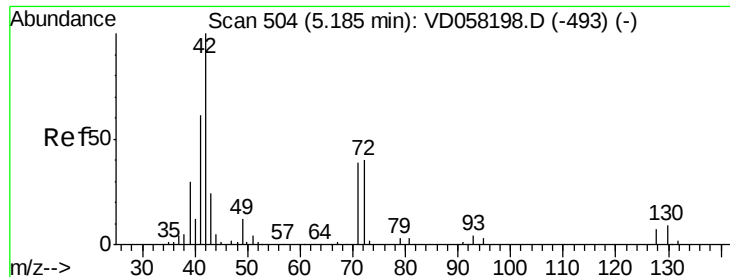
129 2.0 0.0 0.0#

130 66.0 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

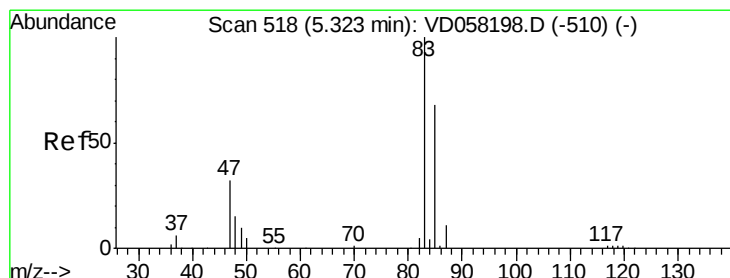
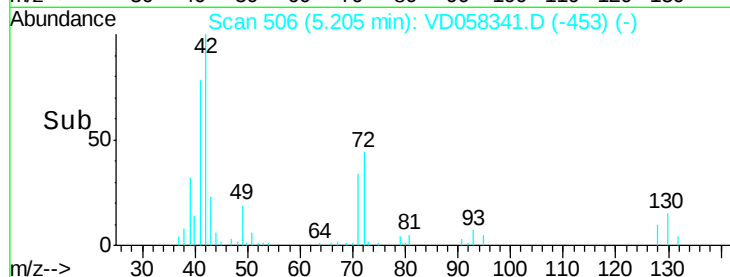
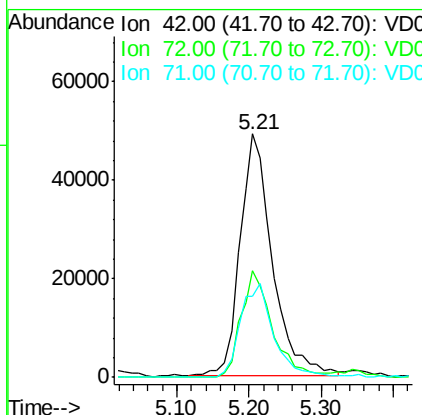
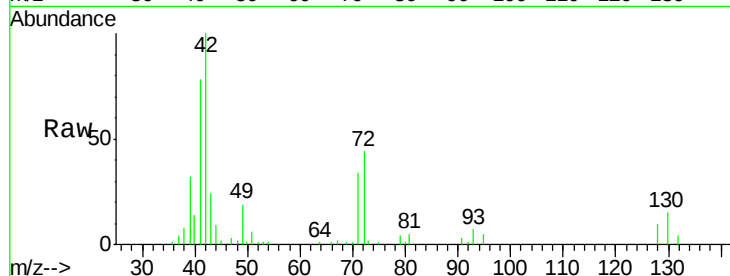




#29
Tetrahydrofuran
Concen: 96.31 ug/l
RT: 5.21 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

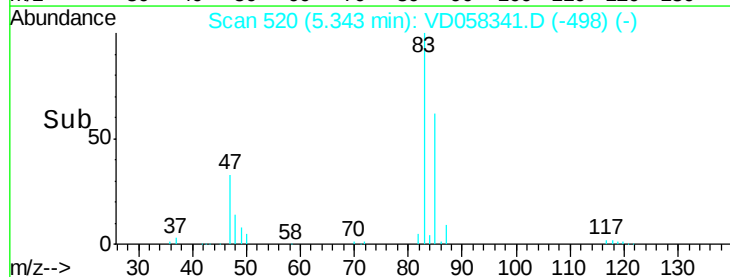
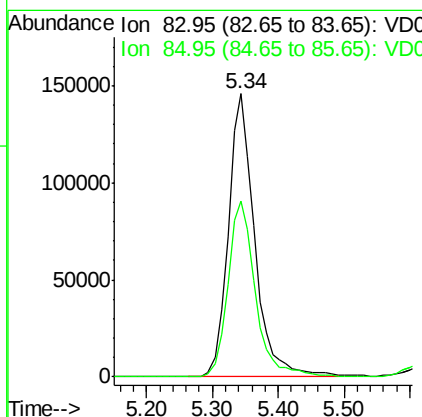
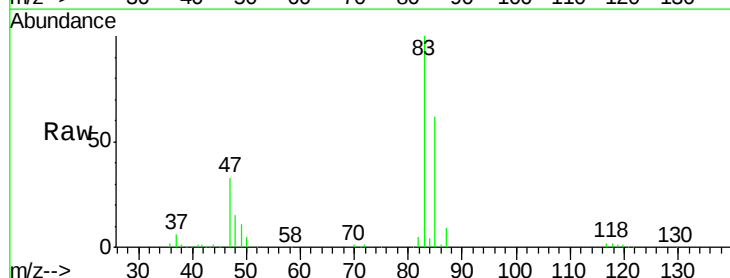
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

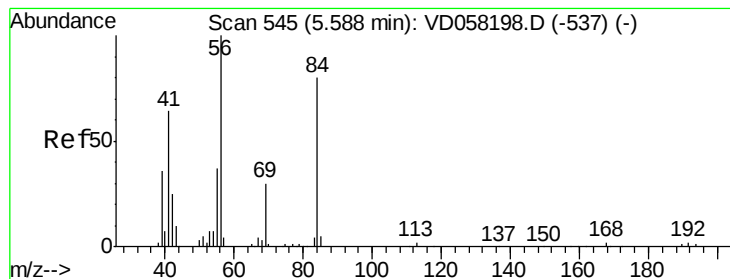
Tot Ion: 42 Resp: 153029
Ion Ratio Lower Upper
42 100
72 42.6 30.2 45.2
71 40.2 30.1 45.1



#30
Chloroform
Concen: 22.76 ug/l
RT: 5.34 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion: 83 Resp: 407637
Ion Ratio Lower Upper
83 100
85 62.3 54.8 82.2





#31

Cyclohexane

Concen: 22.21 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

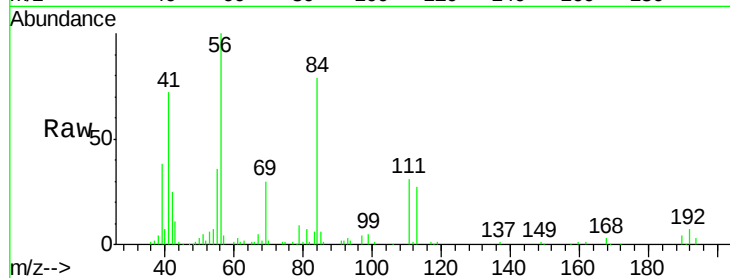
Tot Ion: 56 Resp: 309392

Ion Ratio Lower Upper

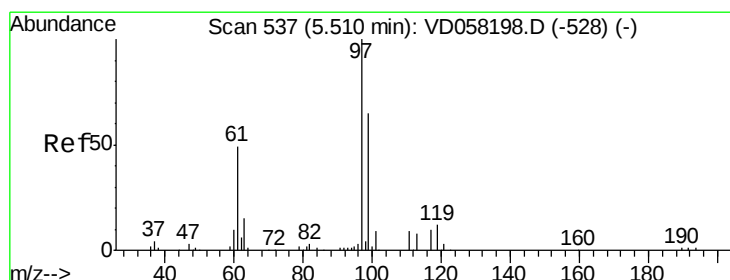
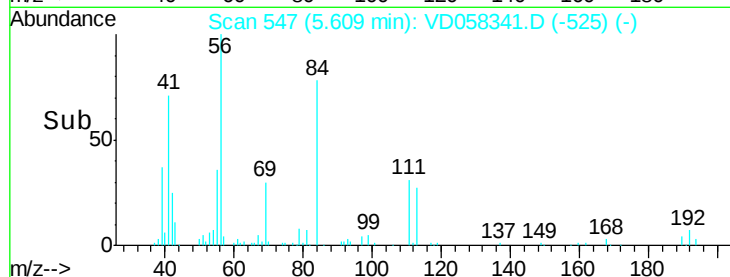
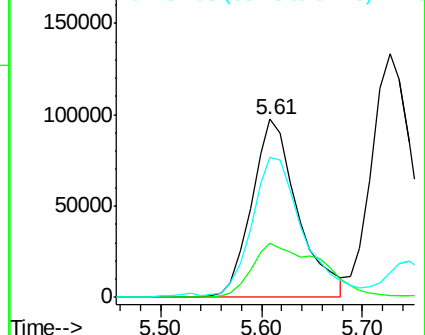
56 100

69 30.3 23.6 35.4

84 78.8 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 22.36 ug/l

RT: 5.53 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

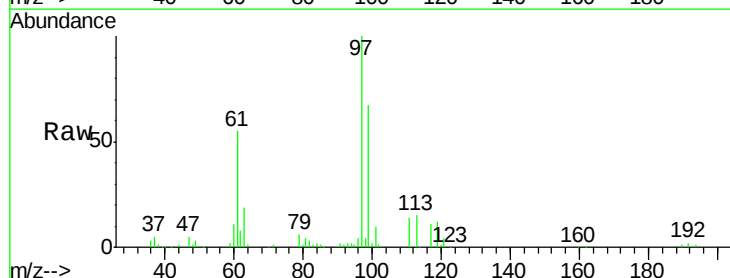
Tgt Ion: 97 Resp: 330938

Ion Ratio Lower Upper

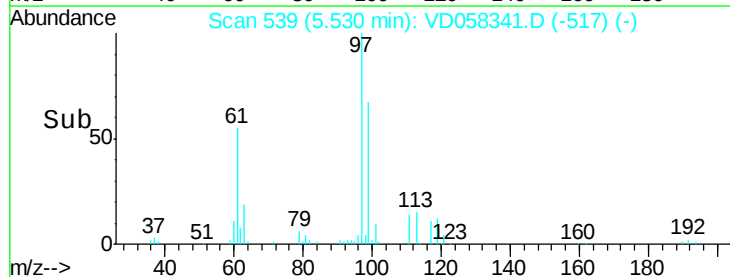
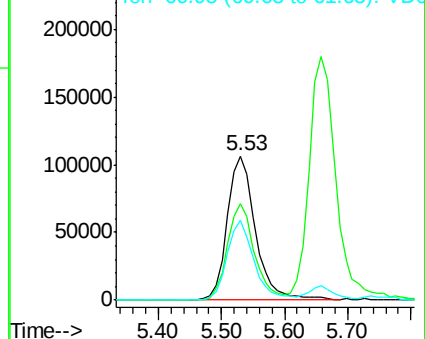
97 100

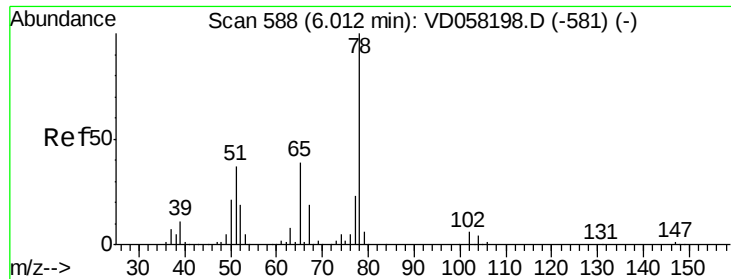
99 66.7 52.2 78.4

61 55.0 39.0 58.4



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





#33

1,2-Dichloroethane-d4

Concen: 22.36 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

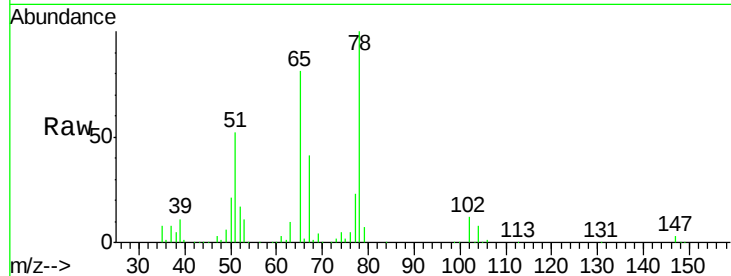
VD0623SBS01

Tot Ion: 65 Resp: 568116

Ion Ratio Lower Upper

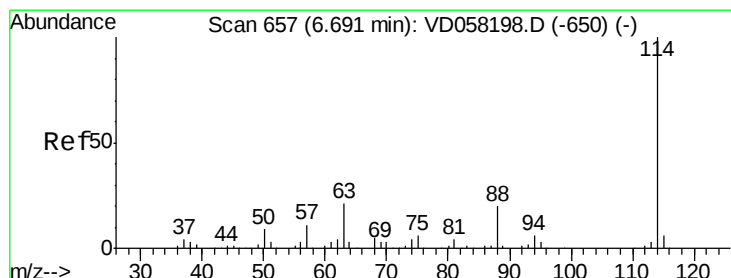
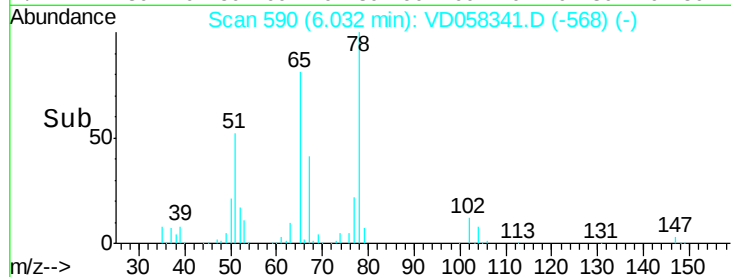
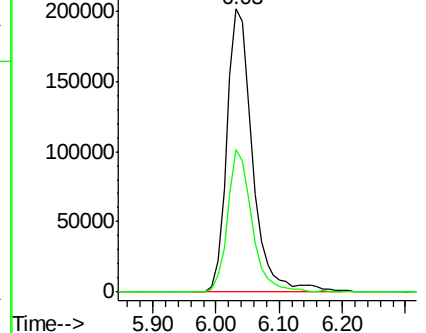
65 100

67 50.3 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.71 min Scan# 659

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

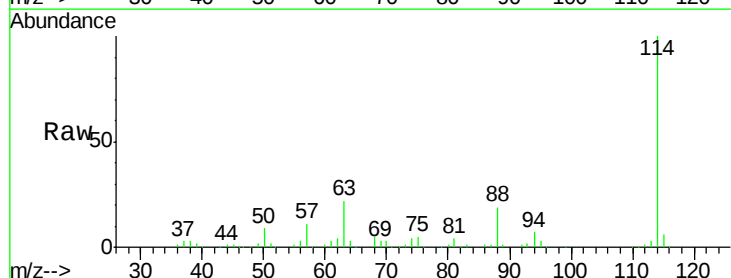
Tgt Ion: 114 Resp: 1283792

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

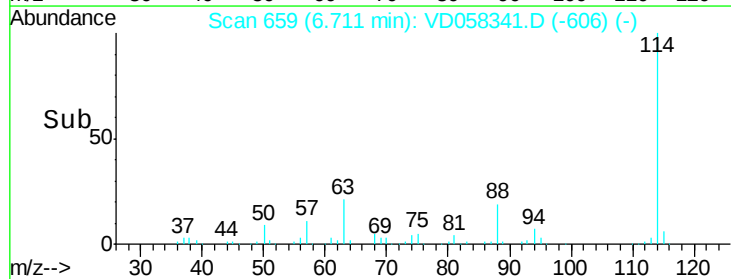
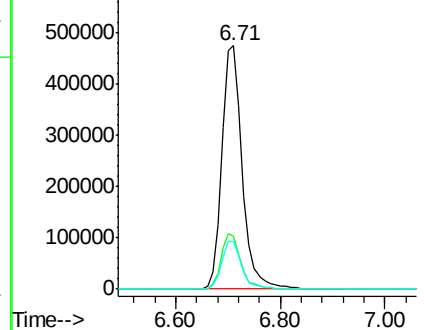
88 19.4 0.0 40.6

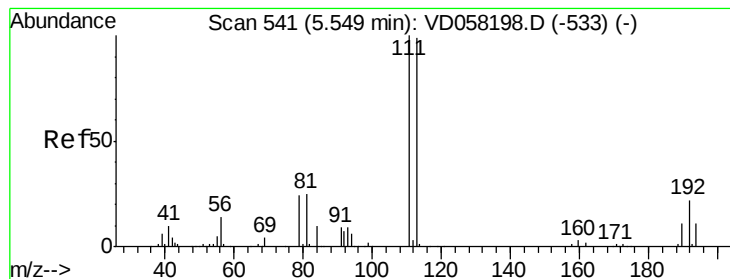


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

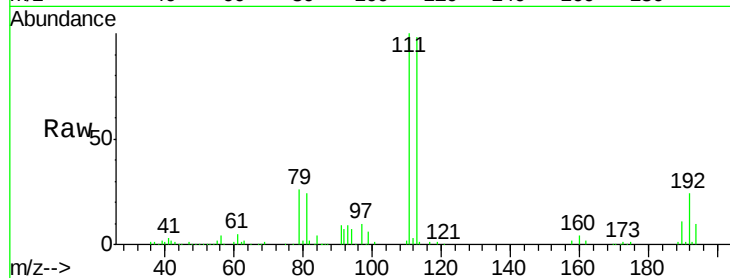
Tot Ion:113 Resp: 567599

Ion Ratio Lower Upper

113 100

111 101.6 80.6 121.0

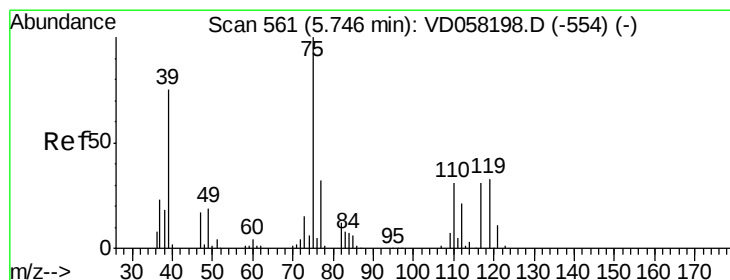
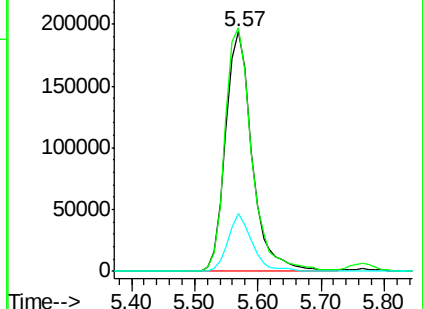
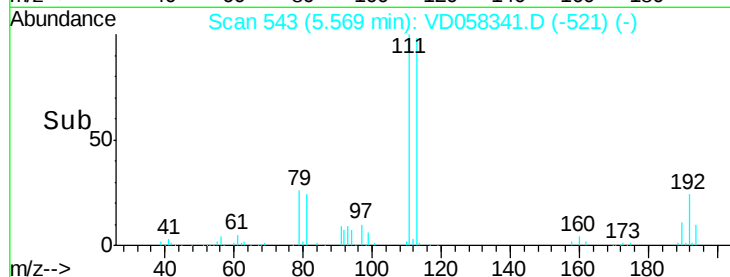
192 24.0 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 24.12 ug/l

RT: 5.77 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

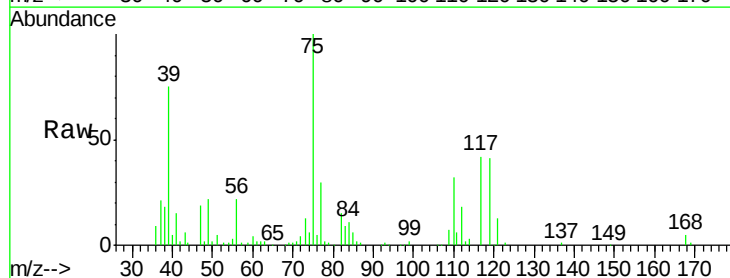
Tgt Ion: 75 Resp: 306380

Ion Ratio Lower Upper

75 100

110 31.6 15.4 46.4

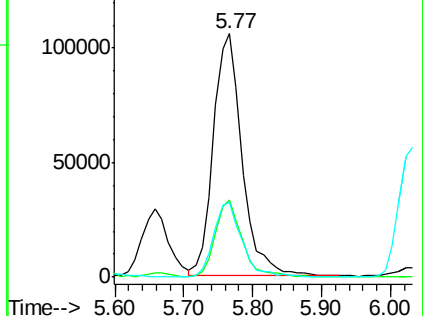
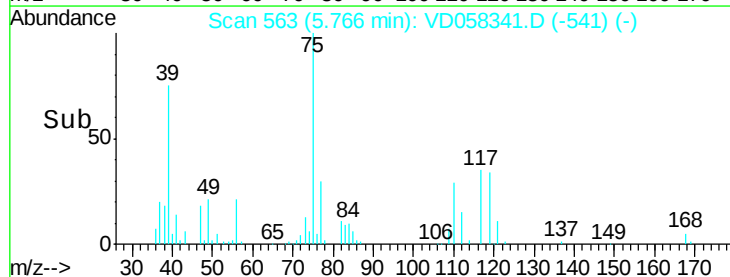
77 30.4 25.4 38.2

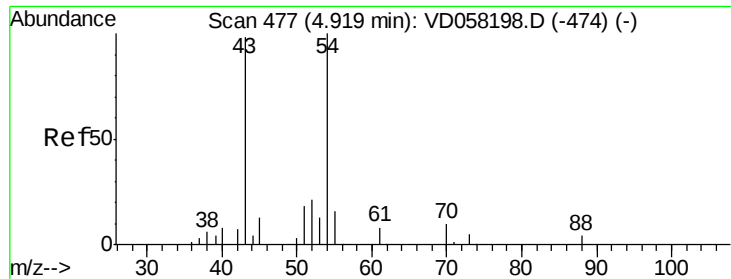


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

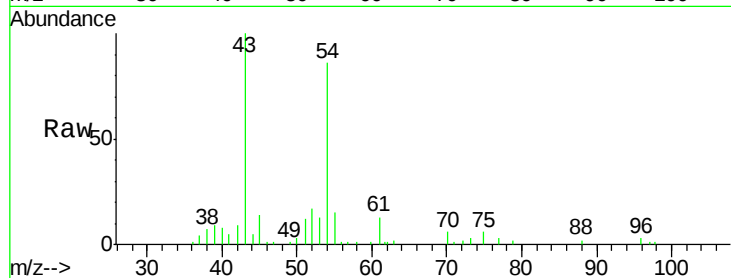




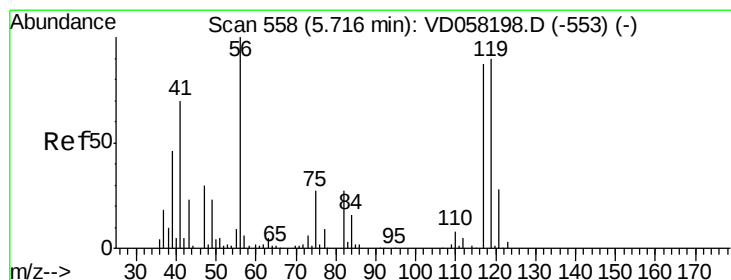
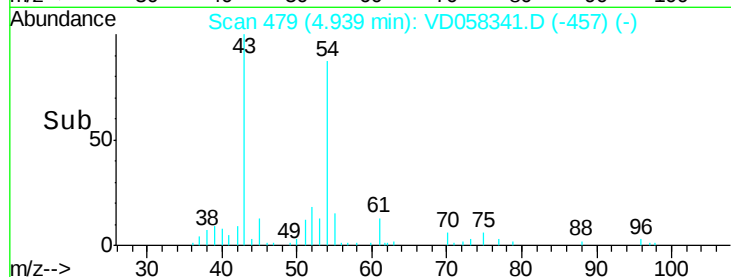
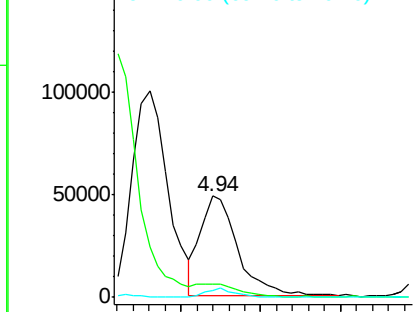
#37
Ethyl Acetate
Concen: 21.96 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion: 43 Resp: 158893
Ion Ratio Lower Upper
43 100
61 12.8 10.3 15.5
70 6.3 5.7 8.5

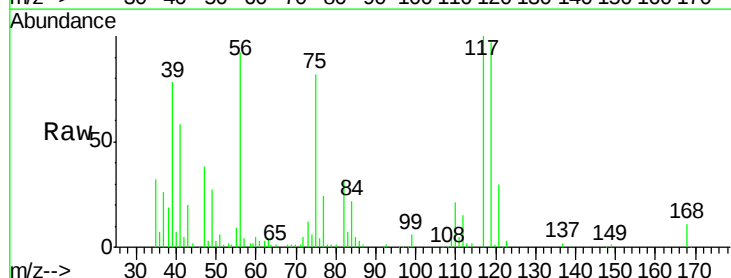


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

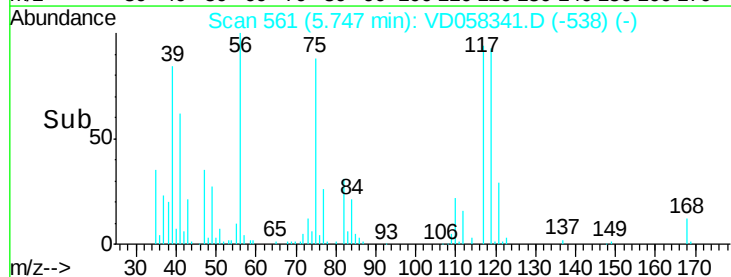
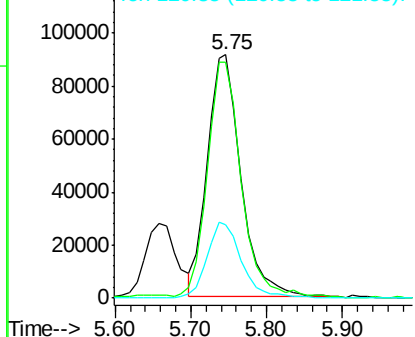


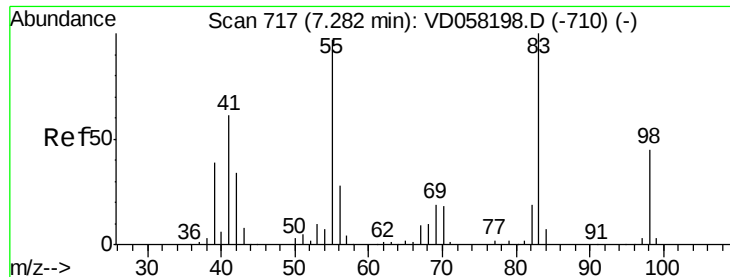
#38
Carbon Tetrachloride
Concen: 22.48 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion: 117 Resp: 283653
Ion Ratio Lower Upper
117 100
119 97.1 78.8 118.2
121 30.2 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

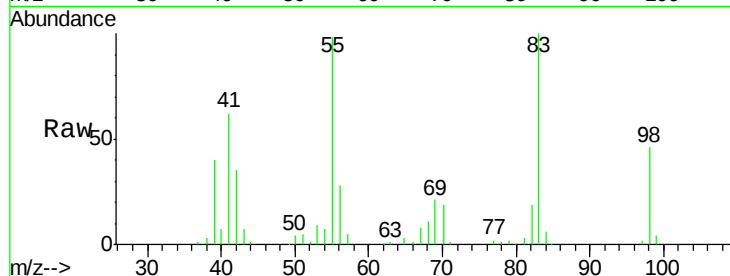




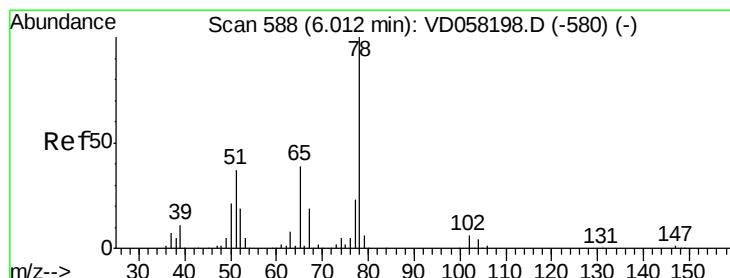
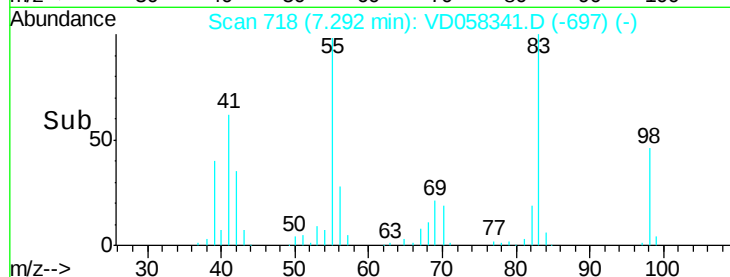
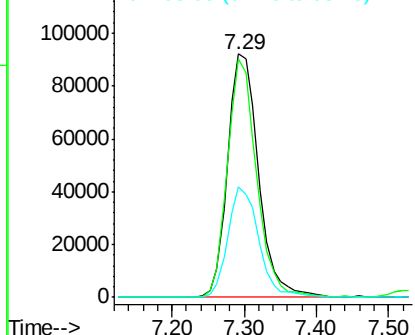
#39
Methvlcvclohexane
Concen: 22.29 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion: 83 Resp: 275673
Ion Ratio Lower Upper
83 100
55 98.1 77.4 116.2
98 45.6 35.9 53.9

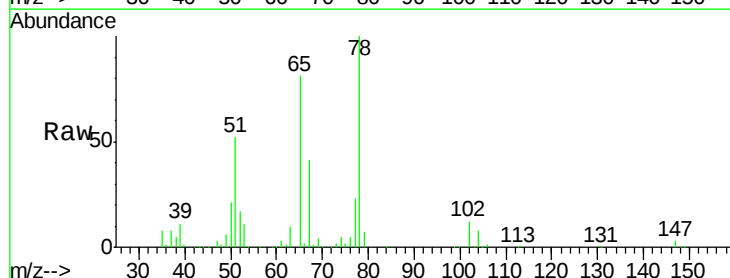


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

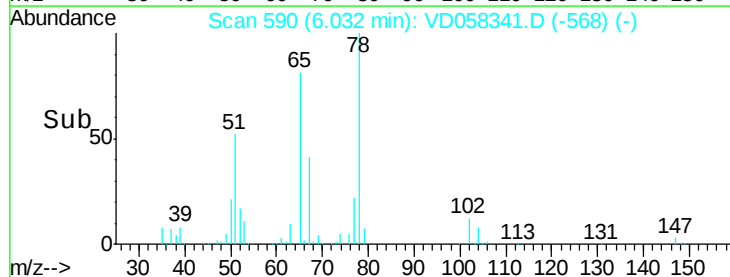
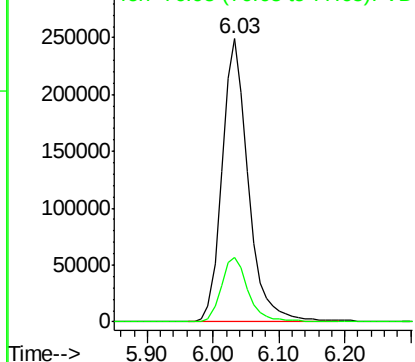


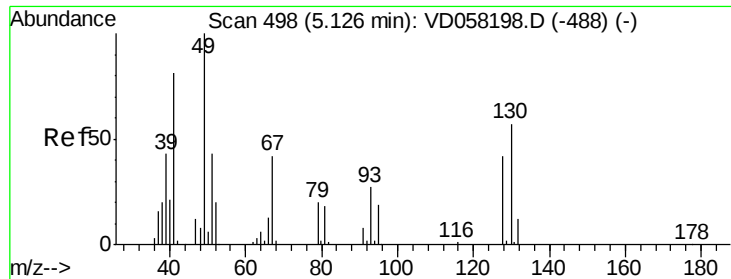
#40
Benzene
Concen: 22.83 ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion: 78 Resp: 690728
Ion Ratio Lower Upper
78 100
77 22.7 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

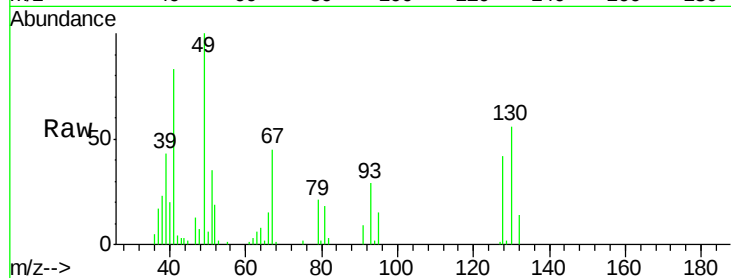




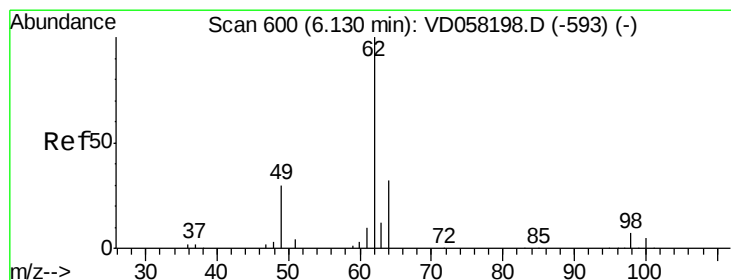
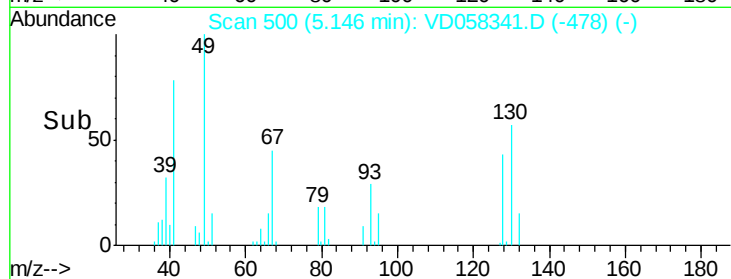
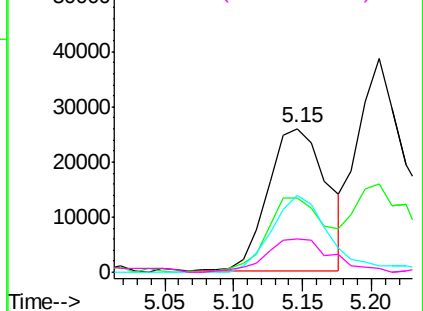
#41
Methacrylonitrile
Concen: 21.91 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion: 41 Resp: 76543
Ion Ratio Lower Upper
41 100
39 51.7 43.4 65.2
67 53.8 41.7 62.5
52 22.9 20.6 30.8

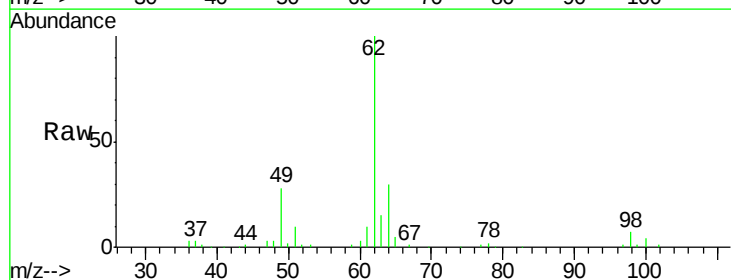


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

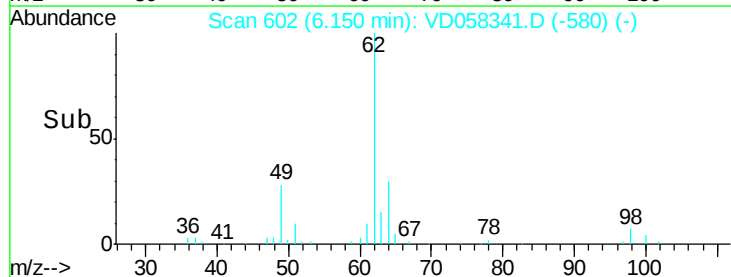
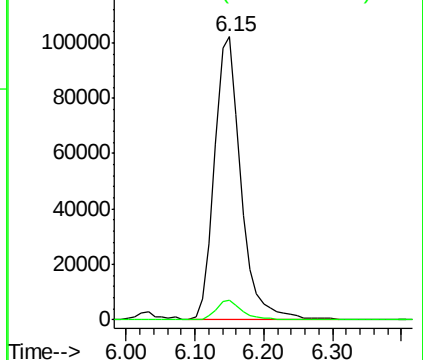


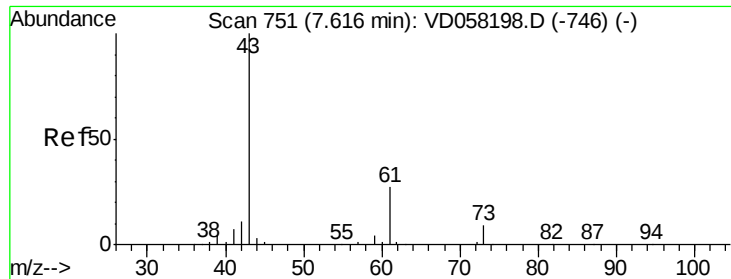
#42
1,2-Dichloroethane
Concen: 22.29 ug/l
RT: 6.15 min Scan# 602
Delta R.T. 0.02 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion: 62 Resp: 271869
Ion Ratio Lower Upper
62 100
98 7.1 0.0 13.2



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





#43

Isopropyl Acetate

Concen: 20.36 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

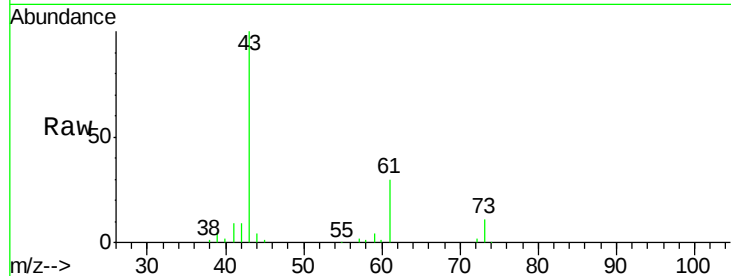
Tot Ion: 43 Resp: 196381

Ion Ratio Lower Upper

43 100

61 29.7 21.8 32.6

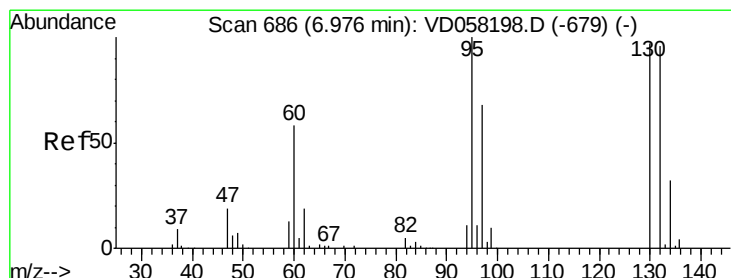
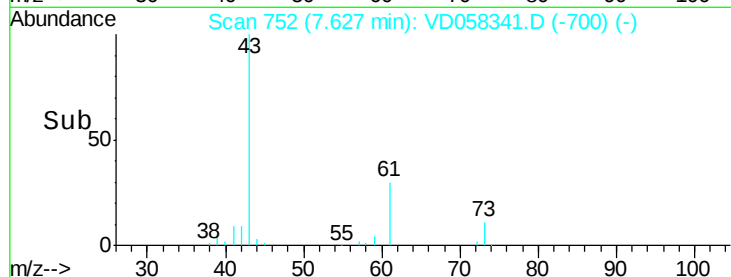
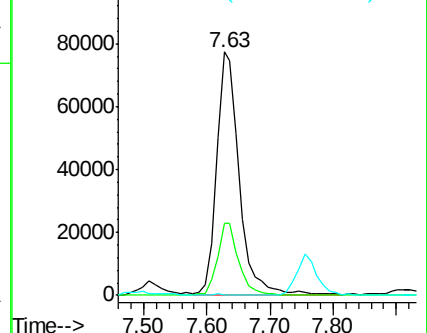
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.77 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058341.D

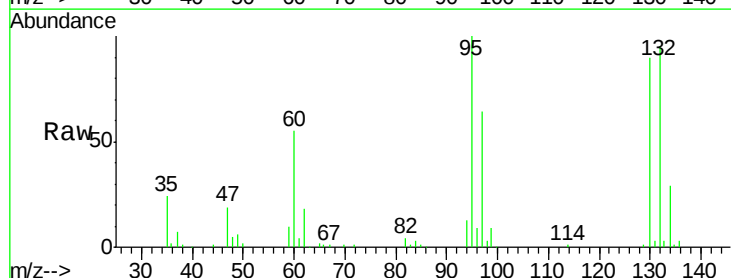
Acq: 23 Jun 2018 15:22

Tgt Ion:130 Resp: 206881

Ion Ratio Lower Upper

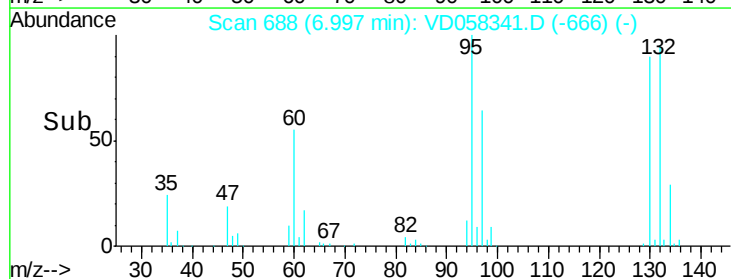
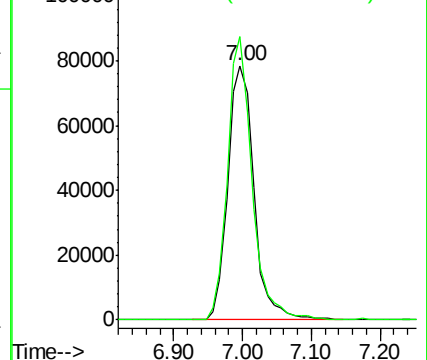
130 100

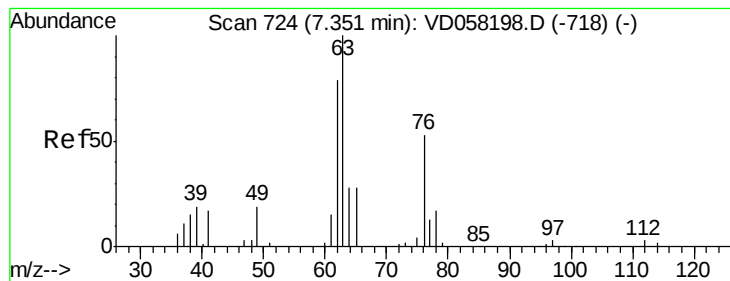
95 111.4 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.19 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

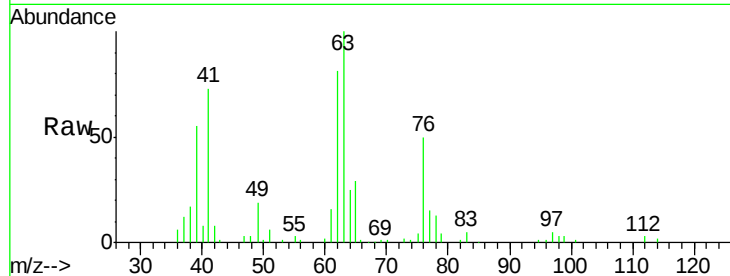
VD0623SBS01

Tot Ion: 63 Resp: 188900

Ion Ratio Lower Upper

63 100

65 29.2 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.36

80000

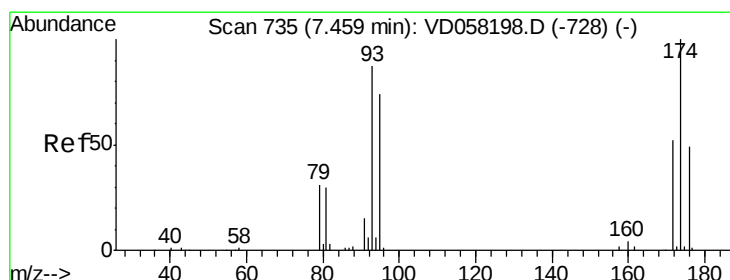
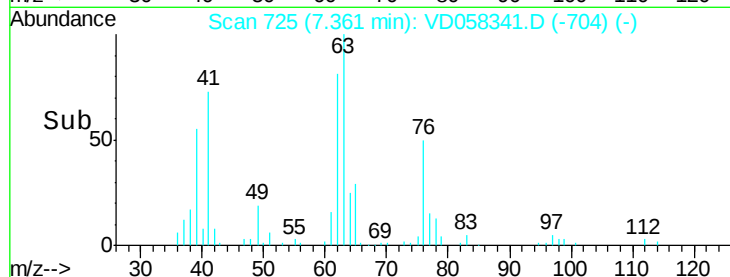
60000

40000

20000

0

Time--> 7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 22.49 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

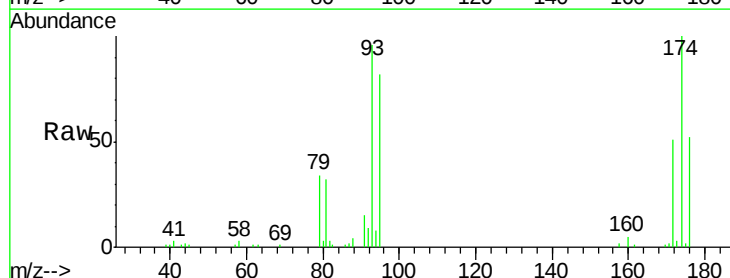
Tgt Ion: 93 Resp: 125109

Ion Ratio Lower Upper

93 100

95 85.2 67.8 101.6

174 104.0 92.2 138.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

7.48

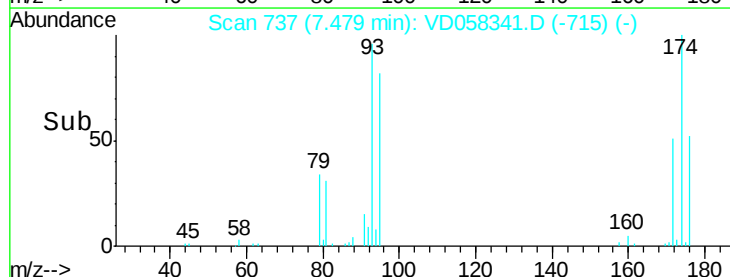
60000

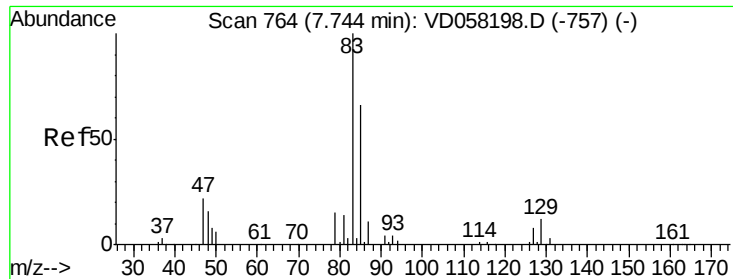
40000

20000

0

Time--> 7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 22.46 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

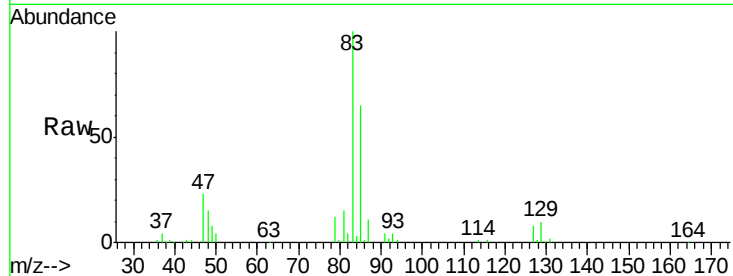
Tot Ion: 83 Resp: 284822

Ion Ratio Lower Upper

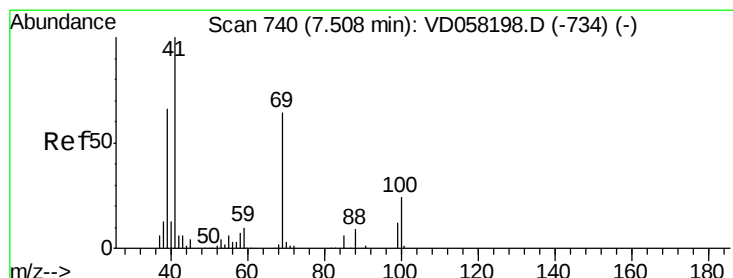
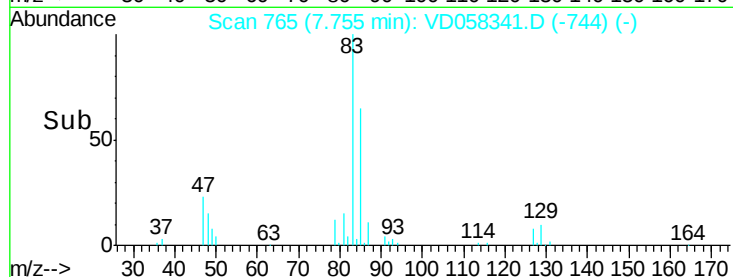
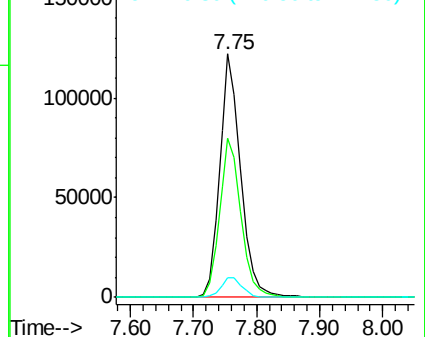
83 100

85 65.4 52.6 78.8

127 8.2 6.2 9.4



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



#48

Methyl methacrylate

Concen: 20.57 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

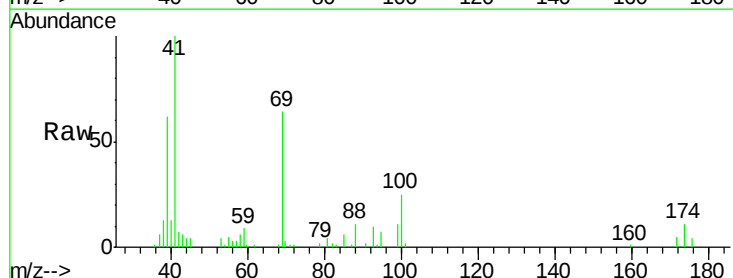
Tgt Ion: 41 Resp: 120581

Ion Ratio Lower Upper

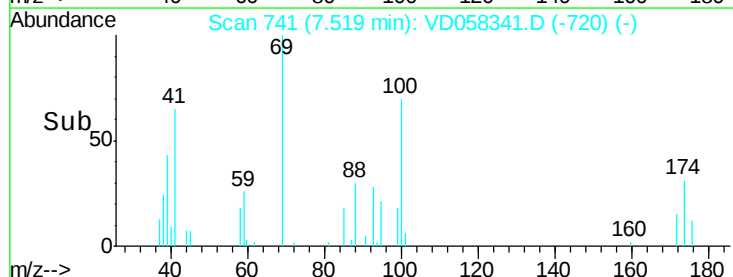
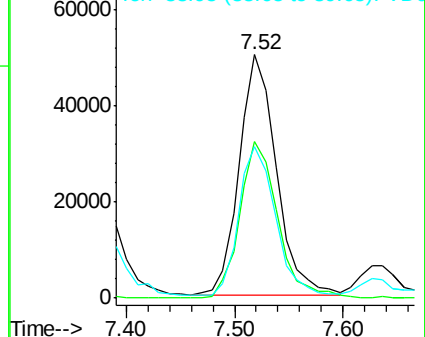
41 100

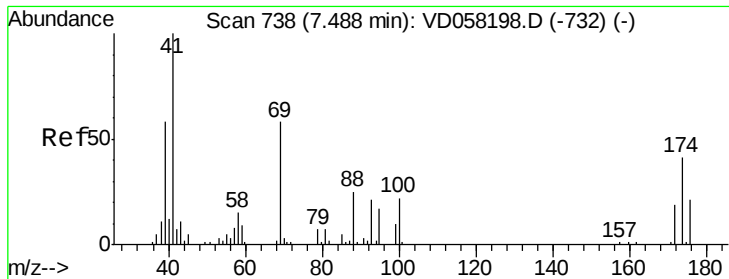
69 64.3 50.7 76.1

39 62.3 52.6 78.8



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





#49

1,4-Dioxane

Concen: 450.86 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

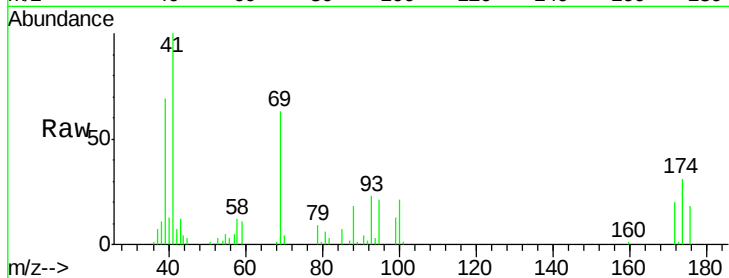
Tot Ion: 88 Resp: 23862

Ion Ratio Lower Upper

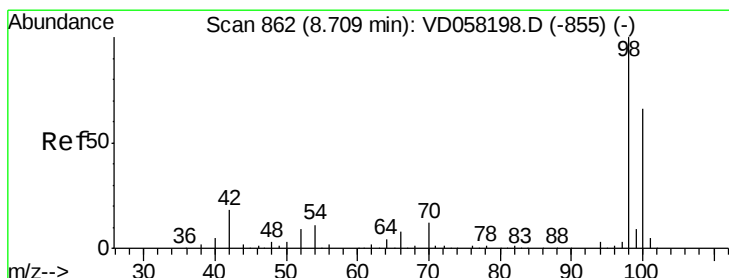
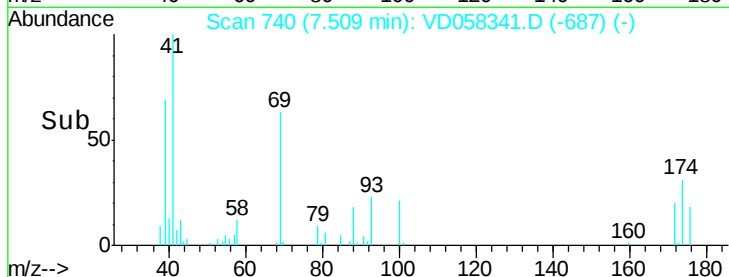
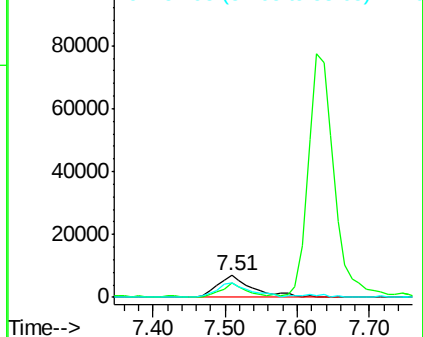
88 100

43 68.0 34.2 51.2#

58 65.8 47.9 71.9



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: 450.86 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058341.D

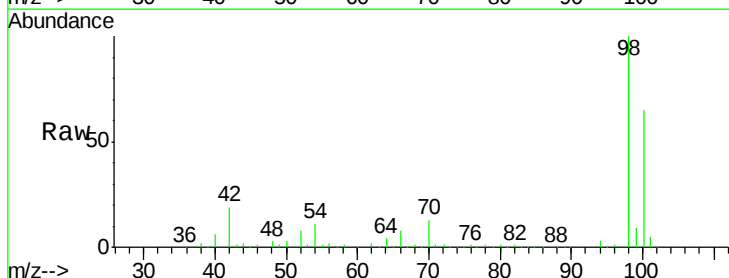
Acq: 23 Jun 2018 15:22

Tgt Ion: 98 Resp: 1277653

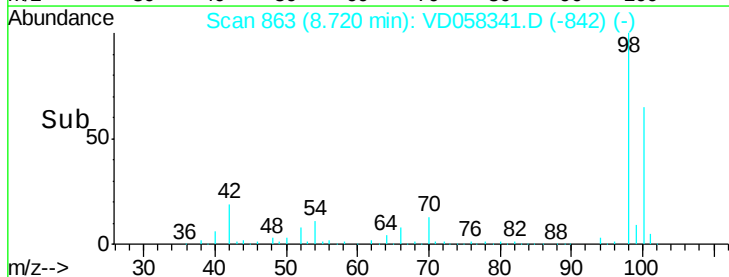
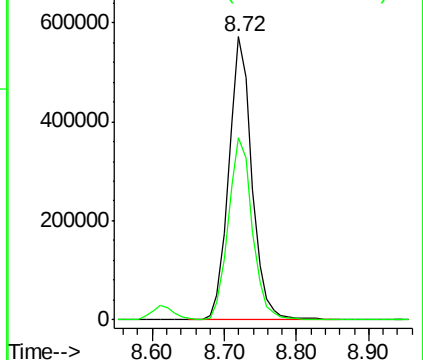
Ion Ratio Lower Upper

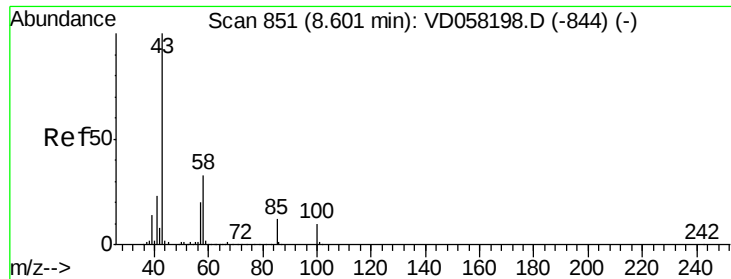
98 100

100 64.5 53.6 80.4



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: 105.33 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

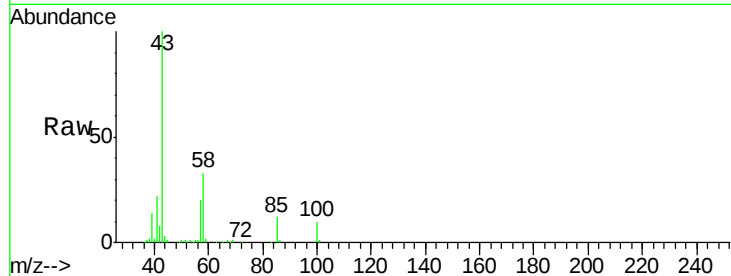
VD0623SBS01

Tot Ion: 43 Resp: 662779

Ion Ratio Lower Upper

43 100

58 32.8 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

300000

250000

200000

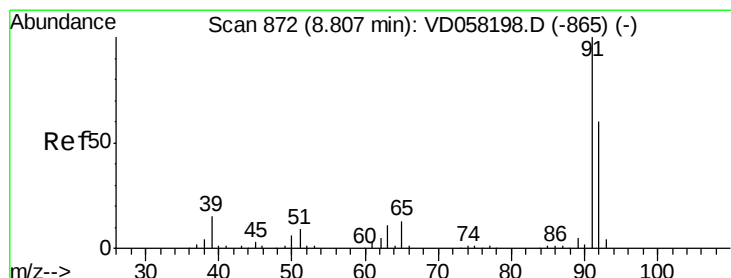
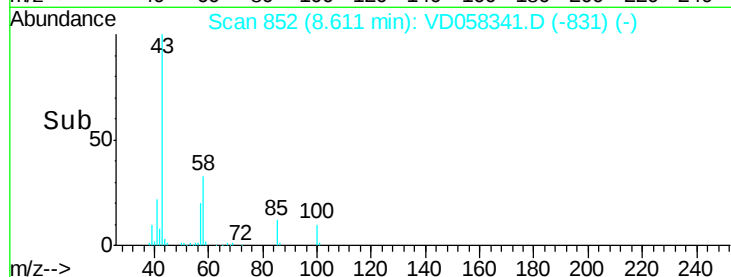
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.45 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058341.D

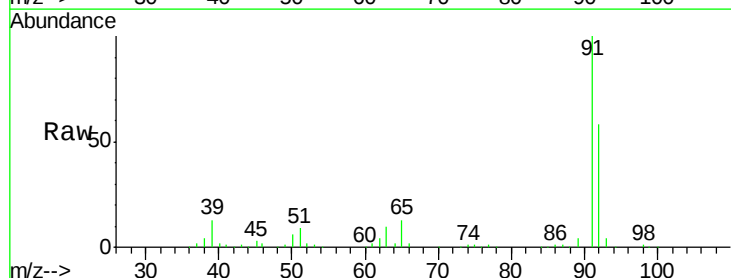
Acq: 23 Jun 2018 15:22

Tgt Ion: 92 Resp: 403908

Ion Ratio Lower Upper

92 100

91 172.8 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.82

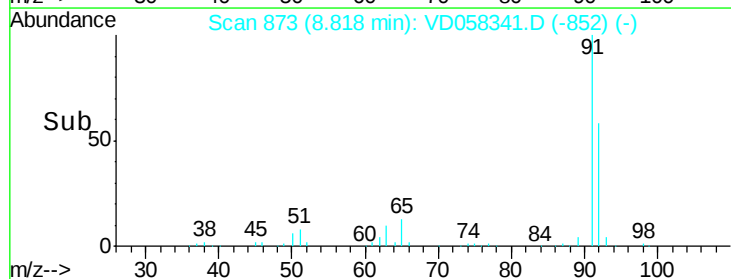
300000

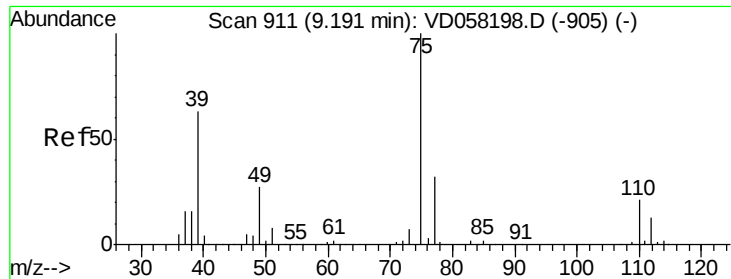
200000

100000

0

Time-->

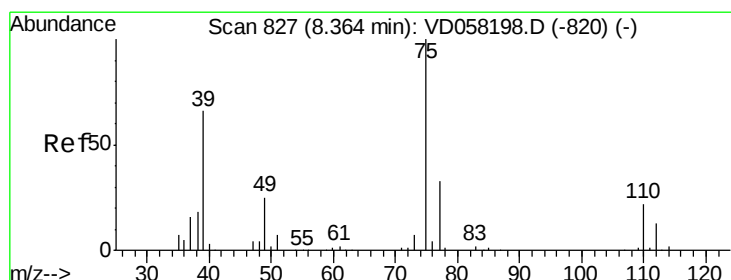
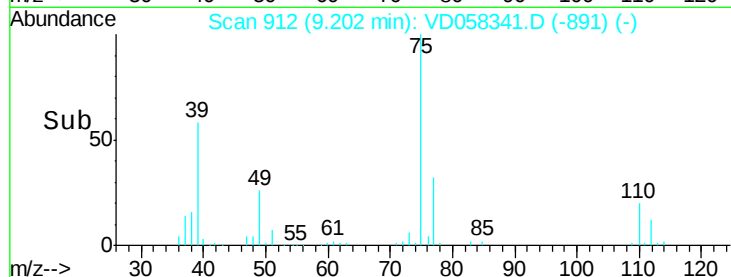
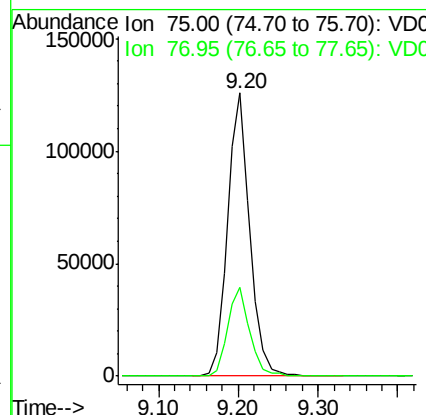
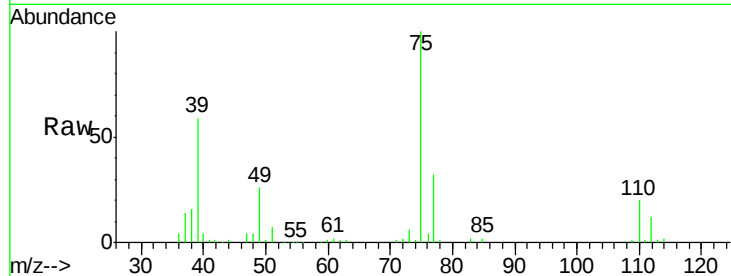




#53
 t-1,3-Dichloropropene
 Concen: 22.27 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

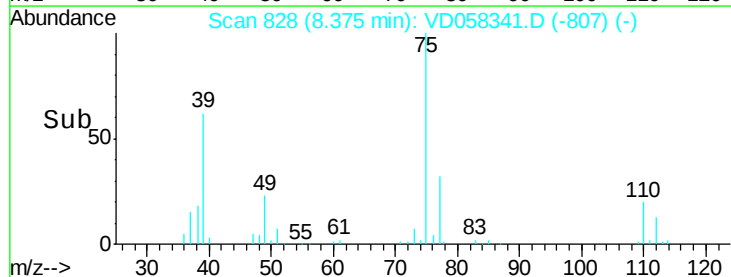
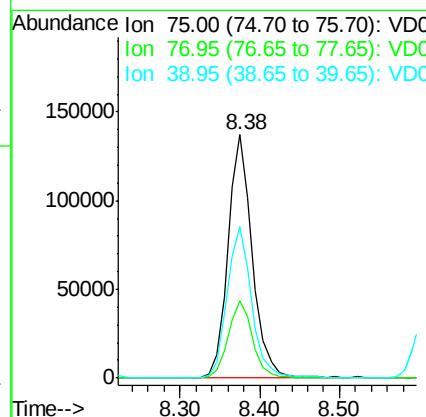
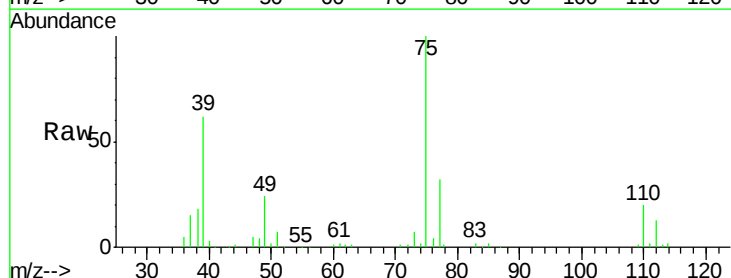
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

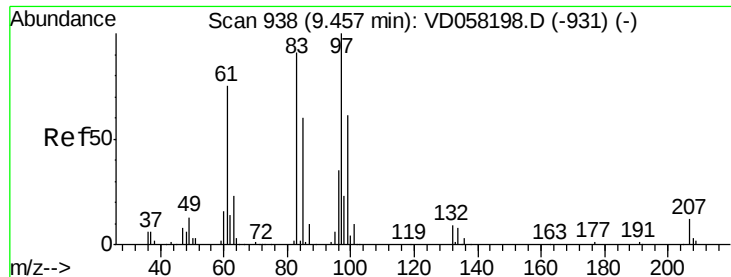
Tot Ion: 75 Resp: 245621
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.69 ug/l
 RT: 8.38 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion: 75 Resp: 293359
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.5 39.7
 39 62.4 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 22.40 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 97 Resp: 136505

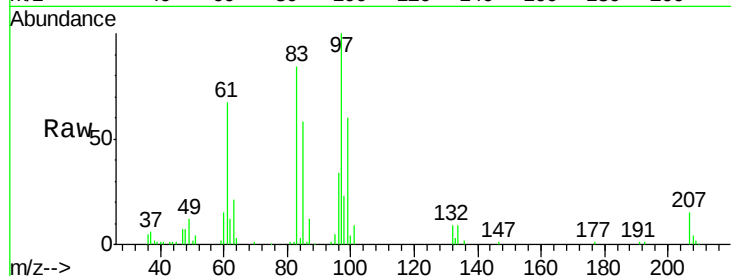
Ion Ratio Lower Upper

97 100

83 83.9 72.9 109.3

85 58.0 48.2 72.4

99 59.9 48.9 73.3

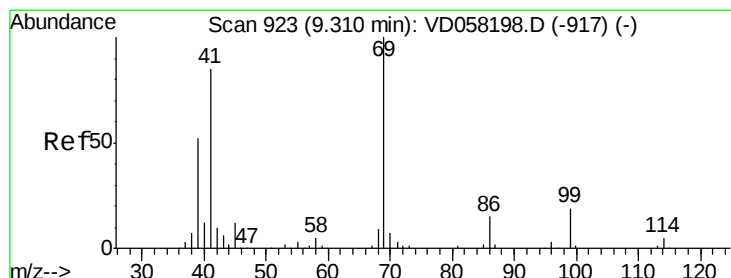
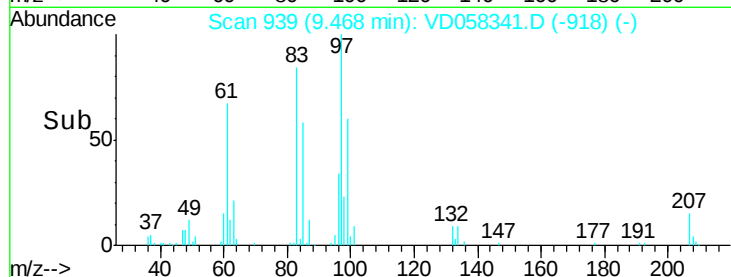
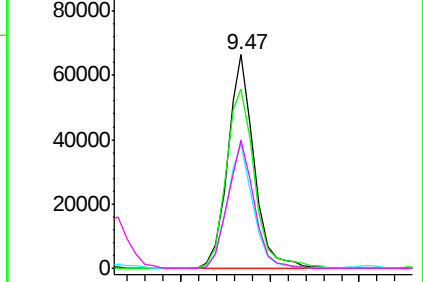


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 22.03 ug/l

RT: 9.33 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

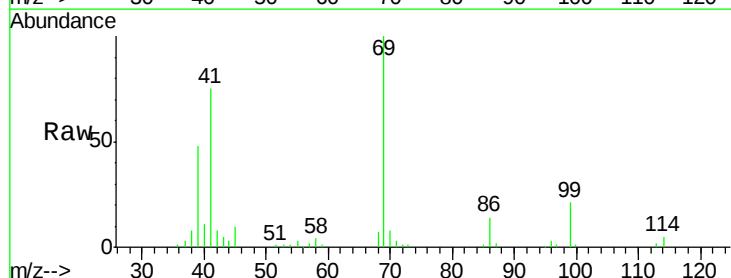
Tgt Ion: 69 Resp: 160573

Ion Ratio Lower Upper

69 100

41 74.7 67.6 101.4

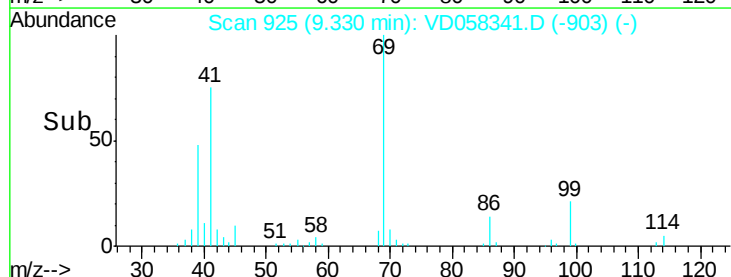
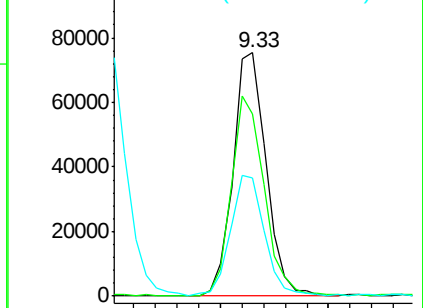
39 48.4 42.2 63.2

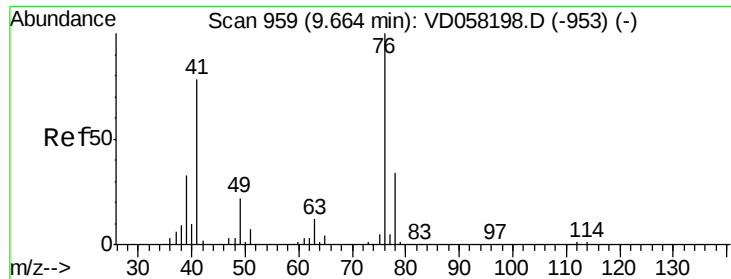


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

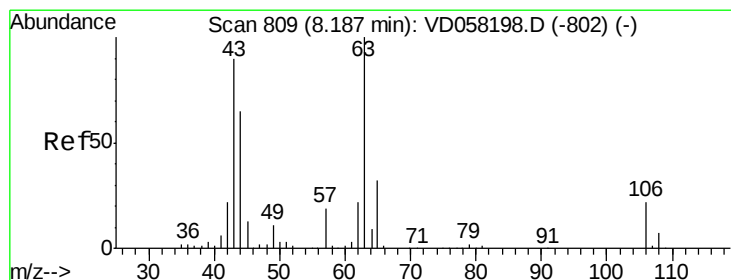
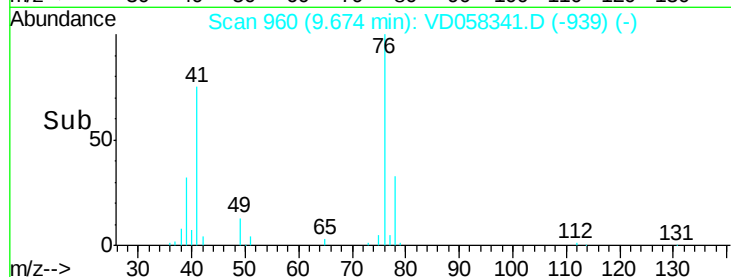
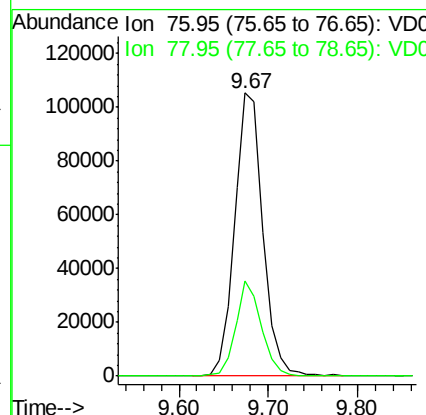
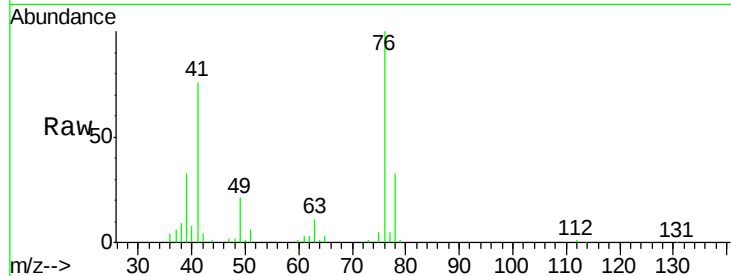




#57
 1,3-Dichloropropane
 Concen: 22.75 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

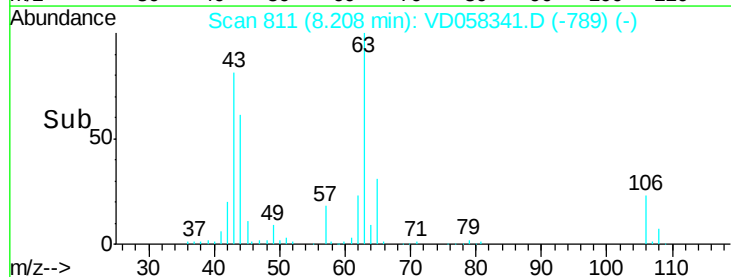
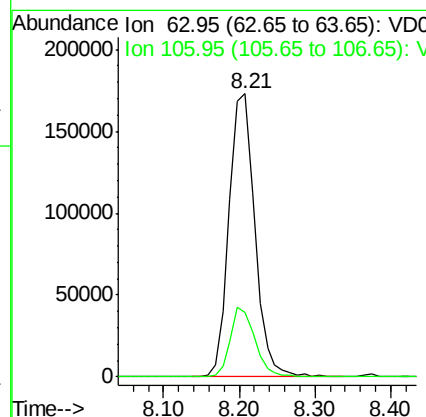
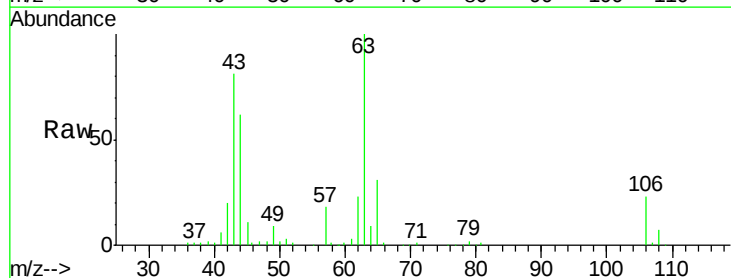
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

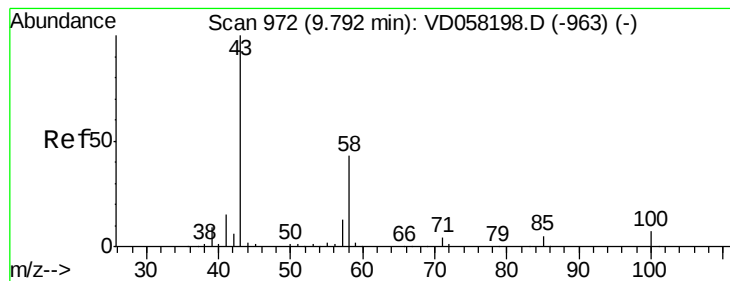
Tot Ion: 76 Resp: 233600
 Ion Ratio Lower Upper
 76 100
 78 33.4 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.60 ug/l
 RT: 8.21 min Scan# 811
 Delta R.T. 0.02 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion: 63 Resp: 409909
 Ion Ratio Lower Upper
 63 100
 106 23.0 18.0 27.0





#59

2-Hexanone

Concen: 111.50 ug/l

RT: 9.80 min Scan# 973

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

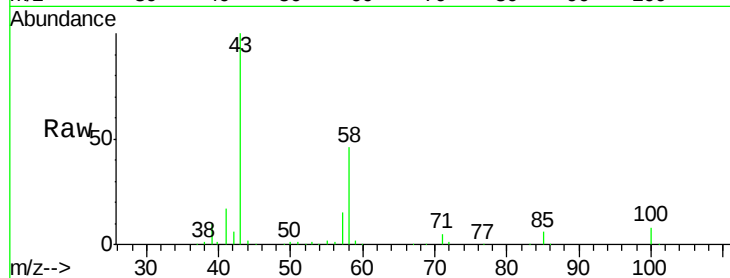
VD0623SBS01

Tot Ion: 43 Resp: 506996

Ion Ratio Lower Upper

43 100

58 45.8 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.80

250000

200000

150000

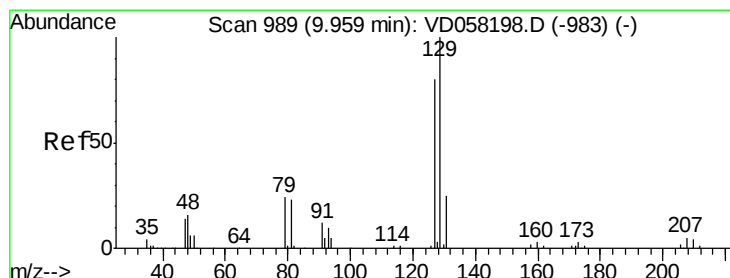
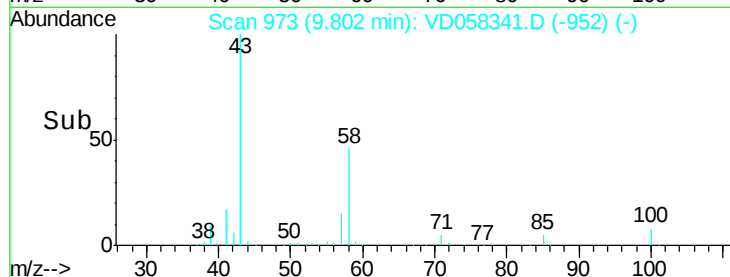
100000

50000

0

9.70 9.80 9.90 10.00

Time-->



#60

Dibromochloromethane

Concen: 21.61 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058341.D

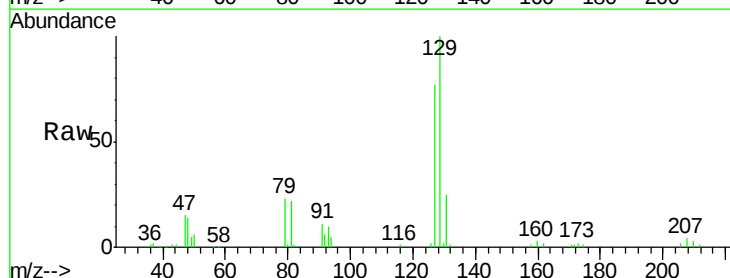
Acq: 23 Jun 2018 15:22

Tgt Ion: 129 Resp: 178713

Ion Ratio Lower Upper

129 100

127 77.4 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

100000

80000

60000

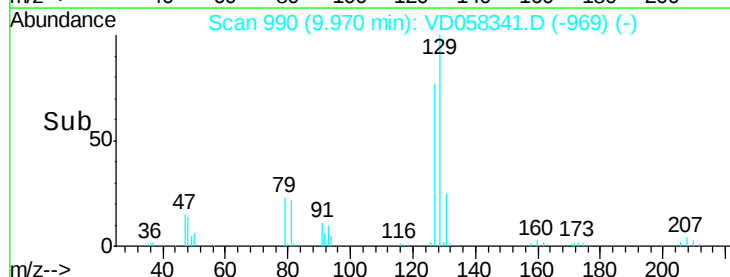
40000

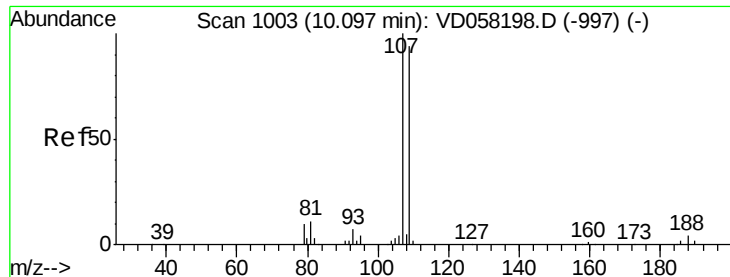
20000

0

9.90 9.97 10.00 10.10

Time-->





#61

1,2-Dibromoethane

Concen: 22.01 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

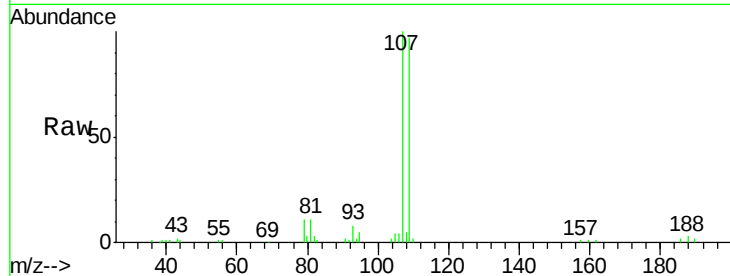
VD0623SBS01

Tot Ion:107 Resp: 146800

Ion Ratio Lower Upper

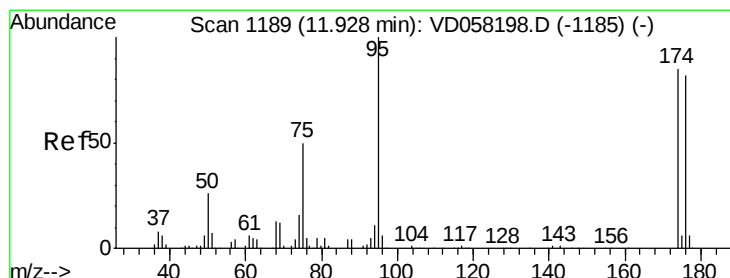
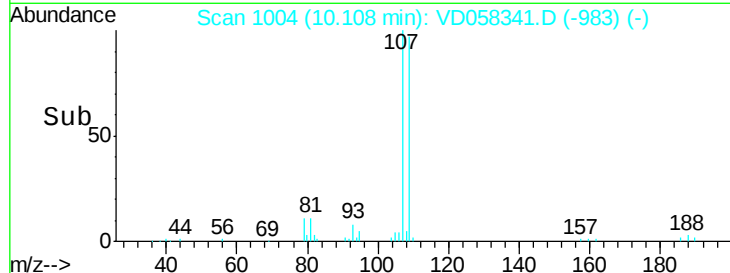
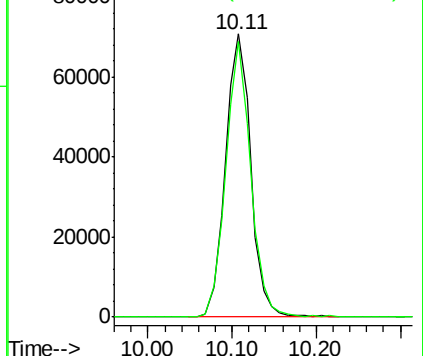
107 100

109 97.5 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.01 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

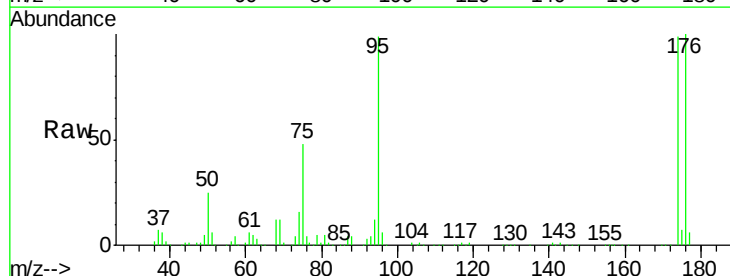
Tgt Ion: 95 Resp: 533462

Ion Ratio Lower Upper

95 100

174 100.3 0.0 170.2

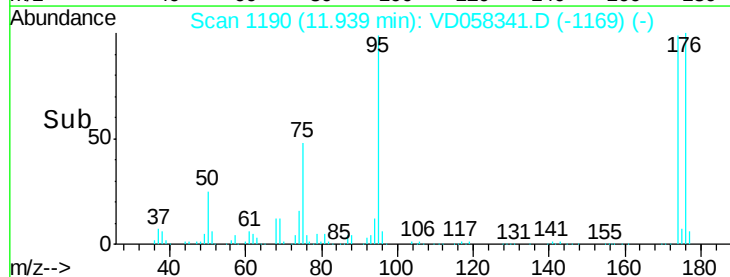
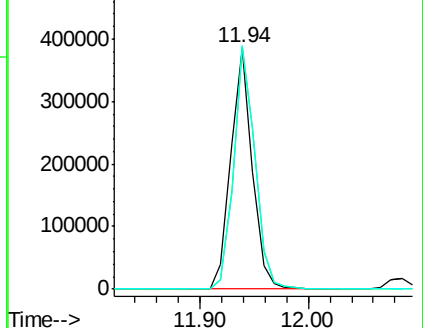
176 100.8 0.0 164.6

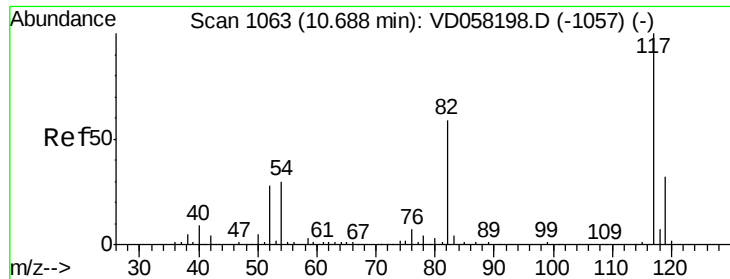


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

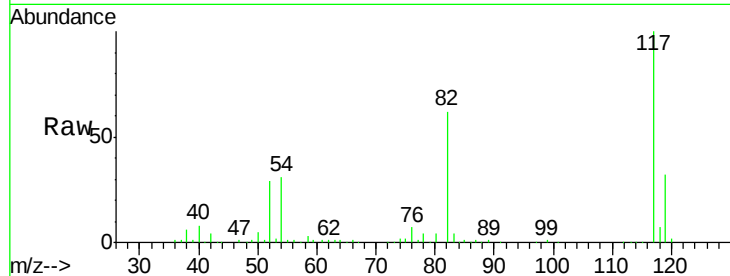
Tot Ion:117 Resp: 1000235

Ion Ratio Lower Upper

117 100

82 61.9 47.0 70.6

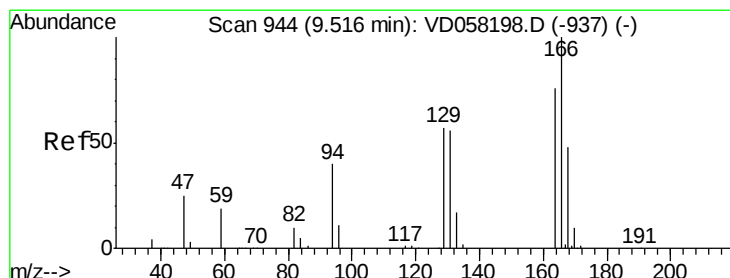
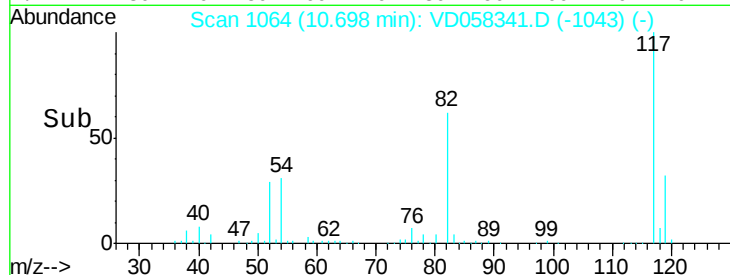
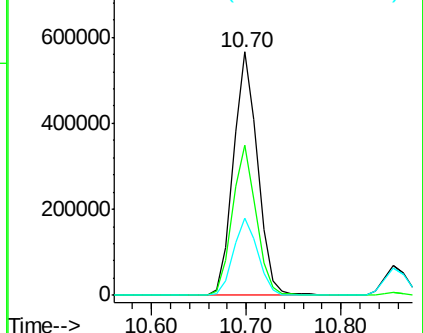
119 31.6 25.3 37.9



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 22.85 ug/l

RT: 9.53 min Scan# 945

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Tgt Ion:164 Resp: 192320

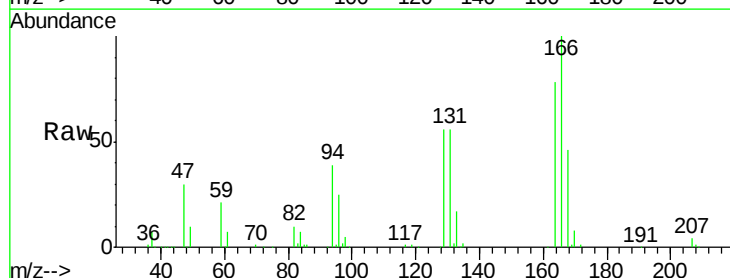
Ion Ratio Lower Upper

164 100

166 127.5 105.4 158.0

129 71.6 59.6 89.4

131 71.6 59.4 89.2

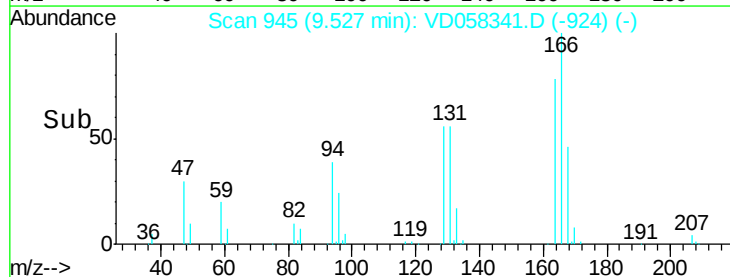
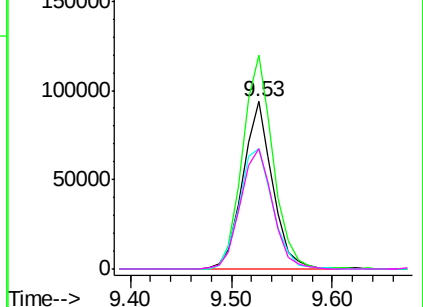


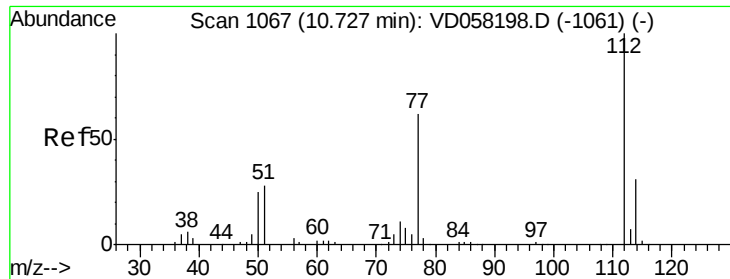
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

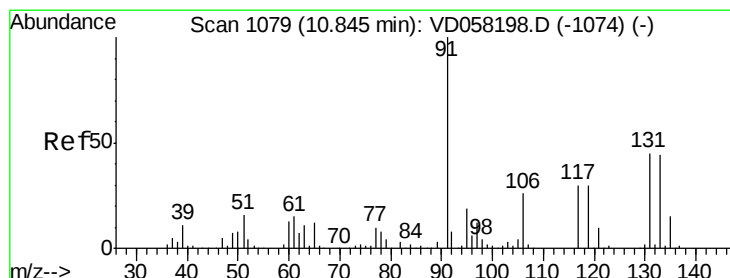
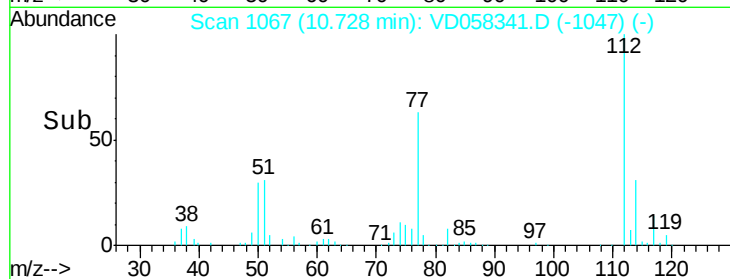
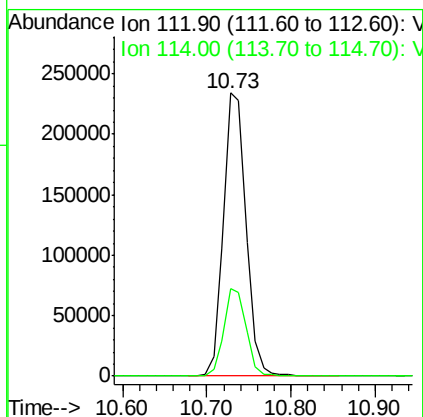
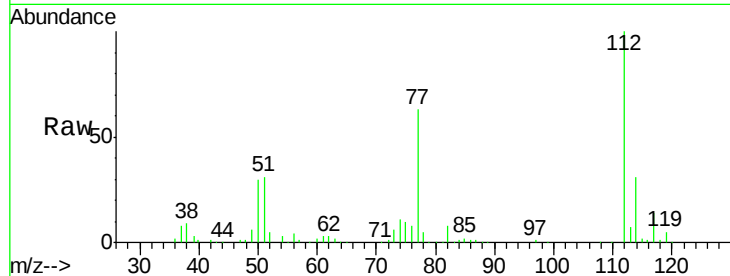




#65
Chlorobenzene
Concen: 23.33 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

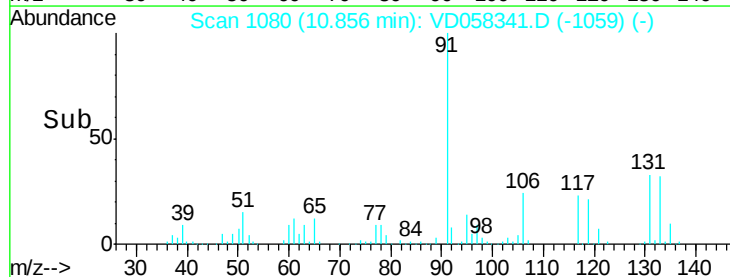
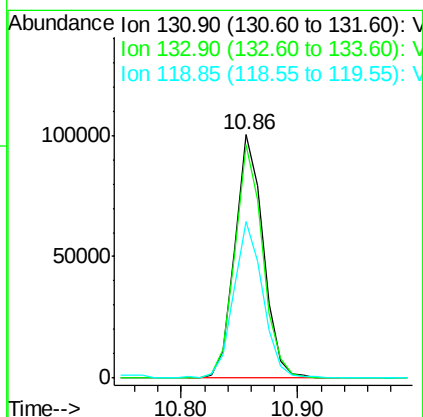
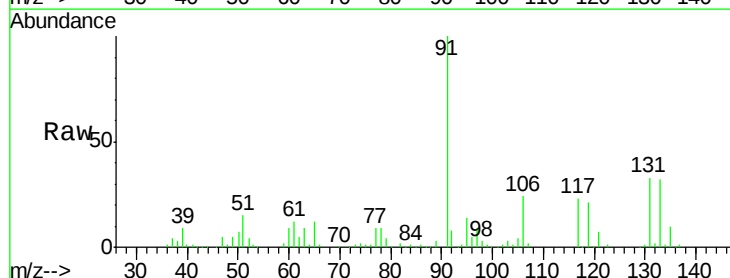
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

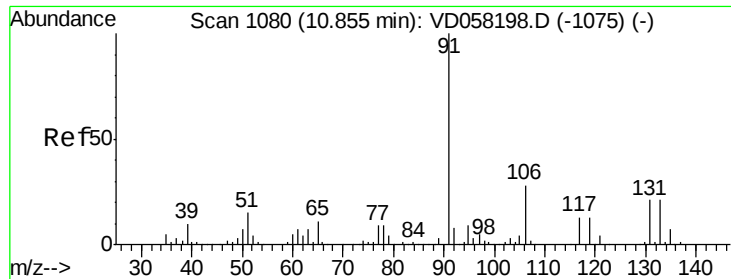
Tot Ion:112 Resp: 436419
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.40 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion:131 Resp: 168947
Ion Ratio Lower Upper
131 100
133 96.1 48.6 145.9
119 64.2 33.0 99.0

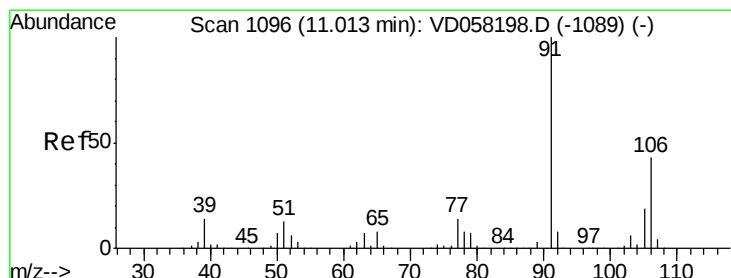
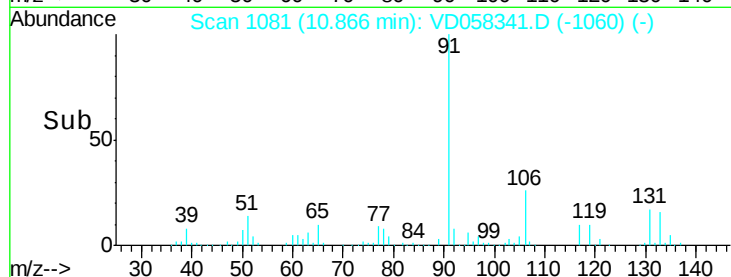
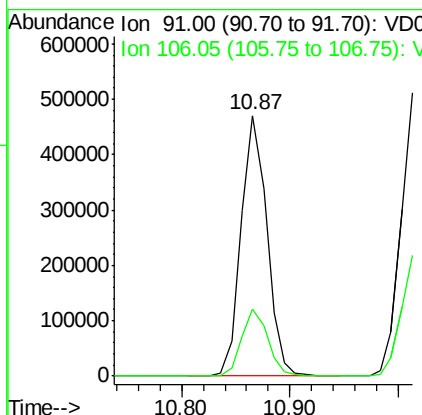
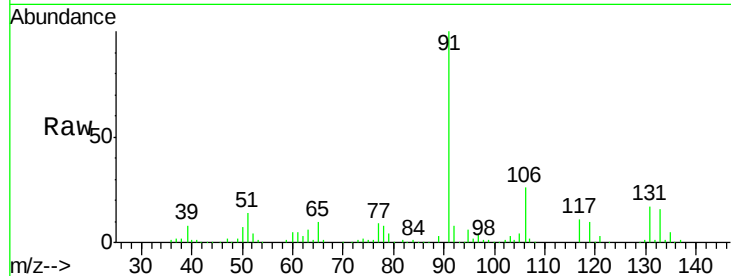




#67
Ethyl Benzene
Concen: 23.75 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

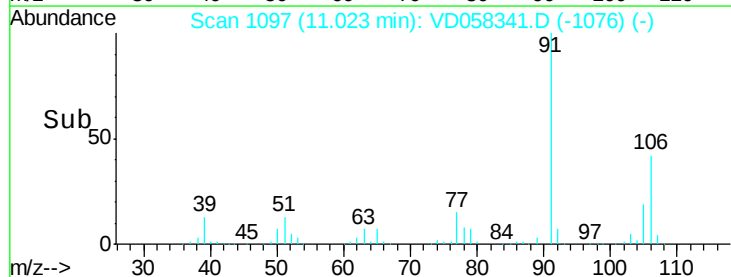
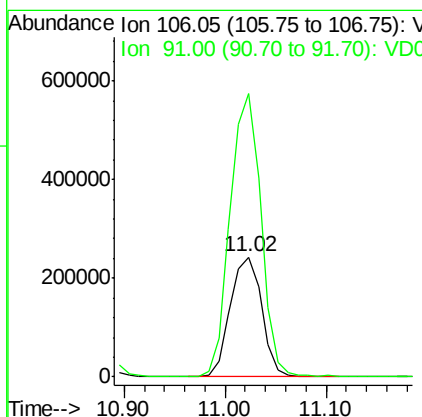
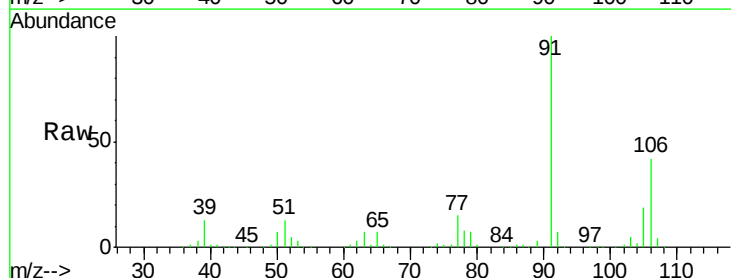
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

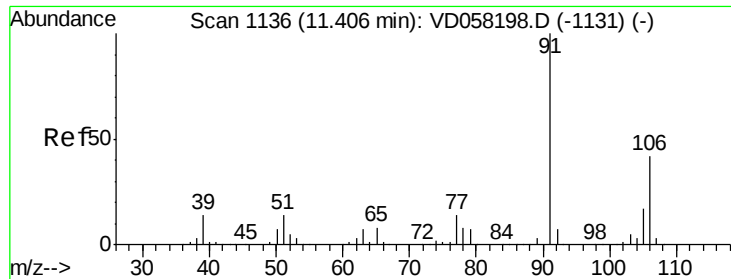
Tot Ion: 91 Resp: 784429
Ion Ratio Lower Upper
91 100
106 25.7 22.0 33.0



#68
m/p-Xylenes
Concen: 47.94 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion: 106 Resp: 528055
Ion Ratio Lower Upper
106 100
91 236.5 185.0 277.6

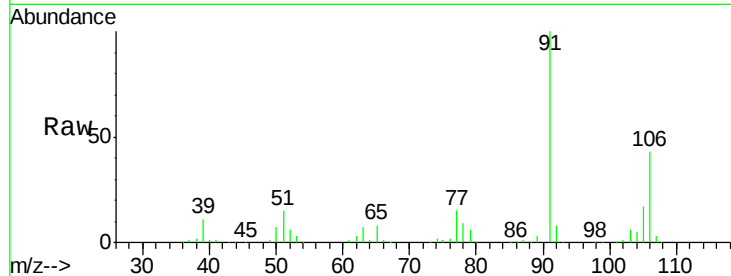




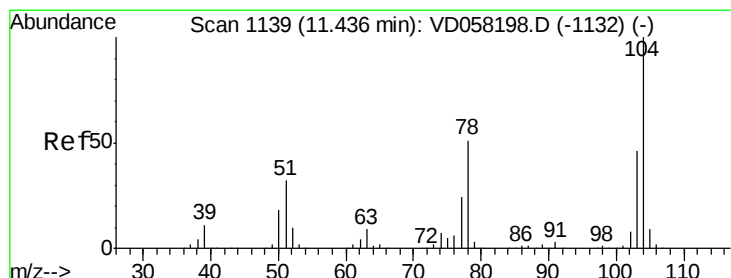
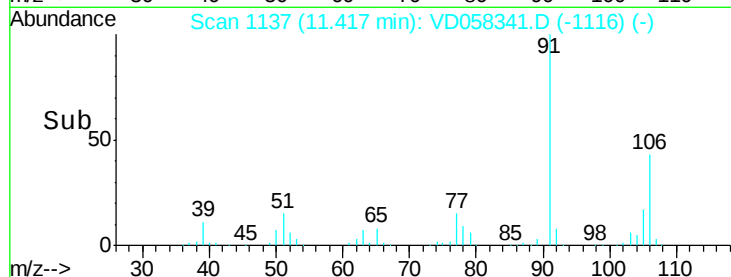
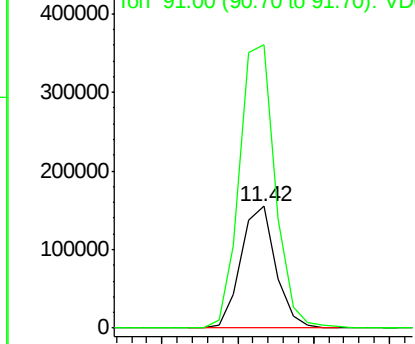
#69
o-Xylene
Concen: 23.62 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion:106 Resp: 248498
Ion Ratio Lower Upper
106 100
91 232.8 120.2 360.6

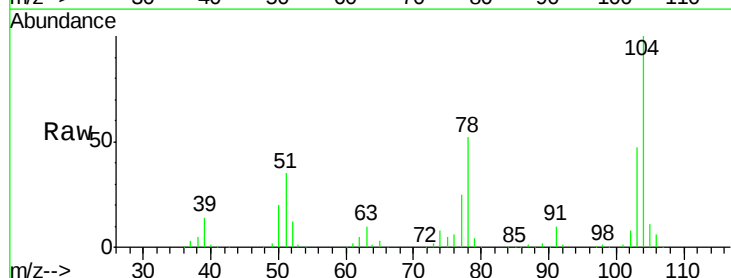


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

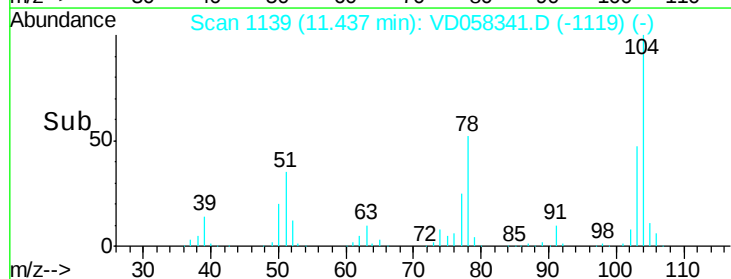
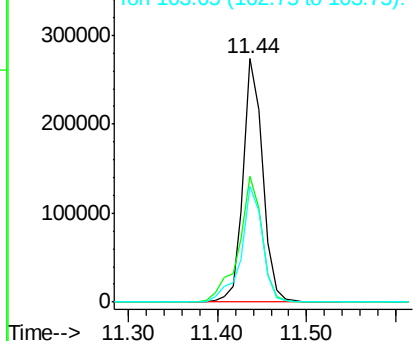


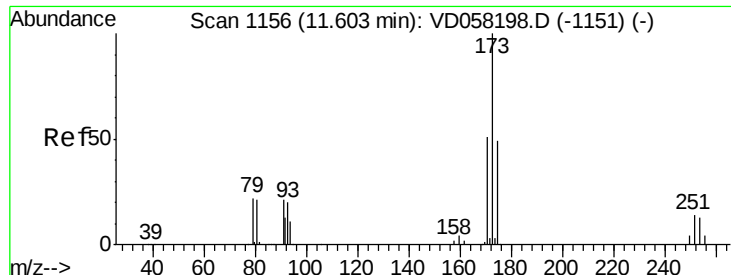
#70
Styrene
Concen: 23.27 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion:104 Resp: 417807
Ion Ratio Lower Upper
104 100
78 51.6 40.8 61.2
103 47.3 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

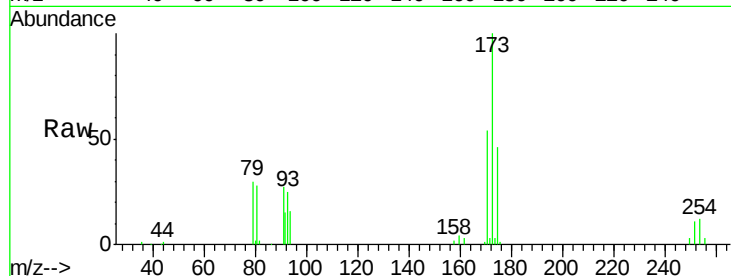




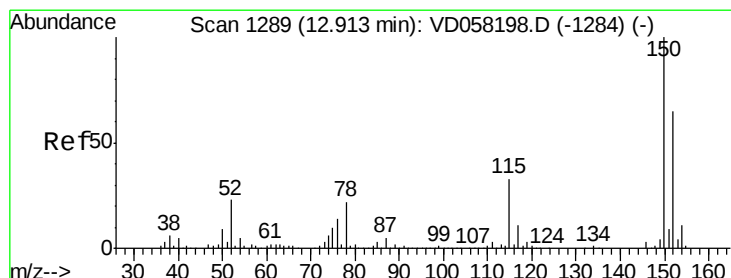
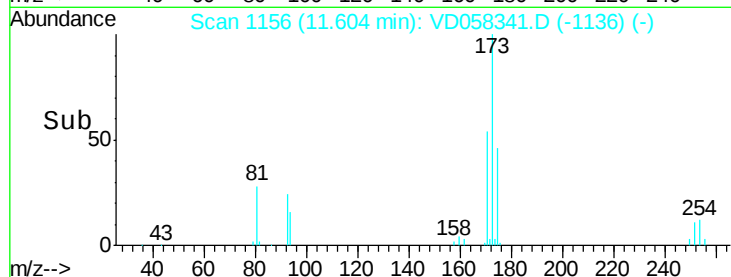
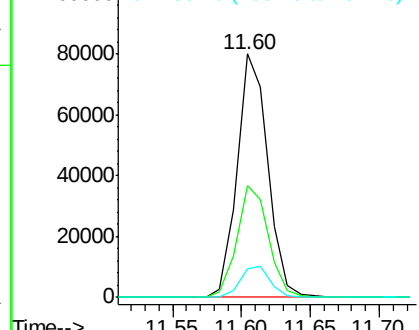
#71
Bromoform
Concen: 21.49 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion:173 Resp: 123774
Ion Ratio Lower Upper
173 100
175 46.1 24.6 74.0
254 11.5 10.3 15.5

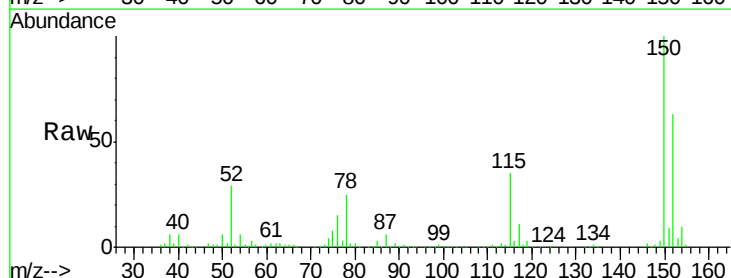


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

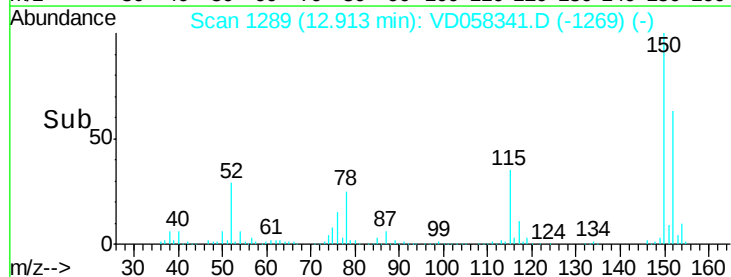
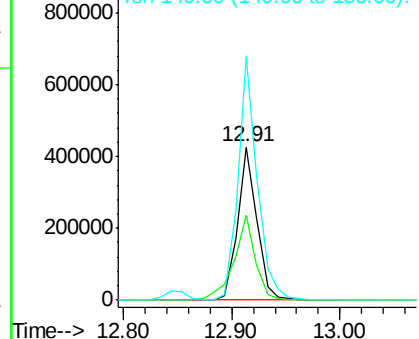


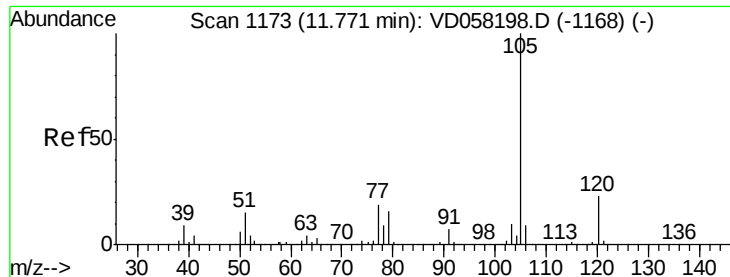
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion:152 Resp: 527538
Ion Ratio Lower Upper
152 100
115 55.5 25.1 75.3
150 159.0 0.0 308.8



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





#73

Isopropylbenzene

Concen: 22.66 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

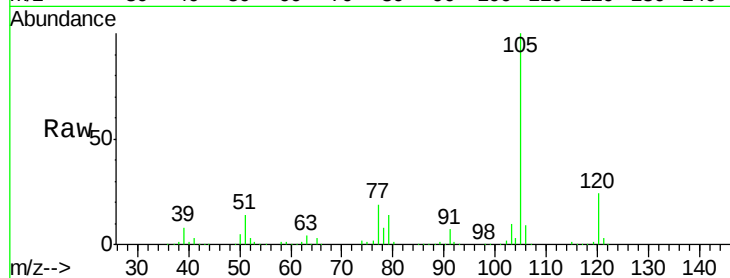
VD0623SBS01

Tot Ion: 105 Resp: 715014

Ion Ratio Lower Upper

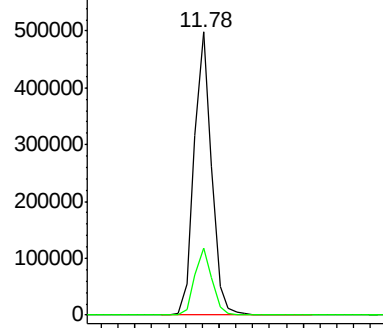
105 100

120 23.8 11.6 34.8

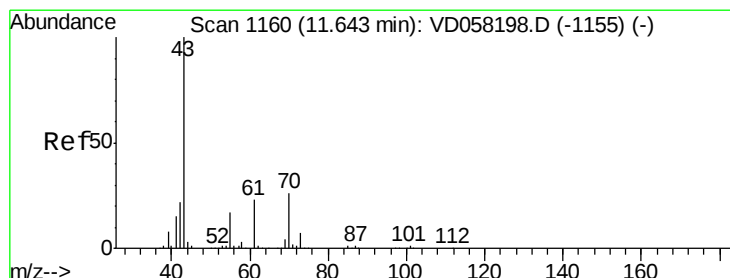
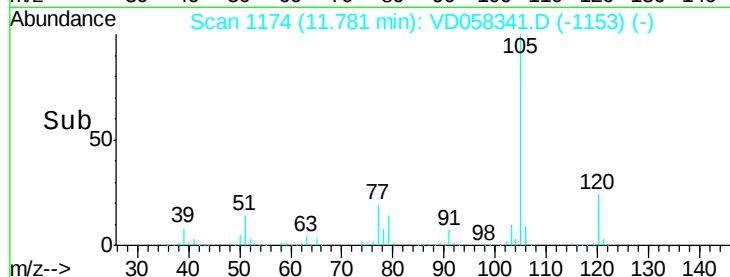


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 21.05 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Tgt Ion: 43 Resp: 256857

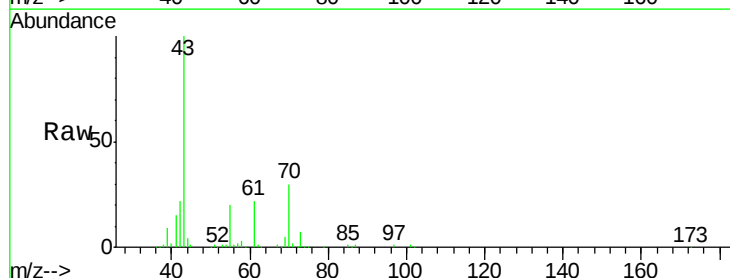
Ion Ratio Lower Upper

43 100

70 29.6 20.9 31.3

55 20.1 13.5 20.3

61 22.3 18.2 27.2

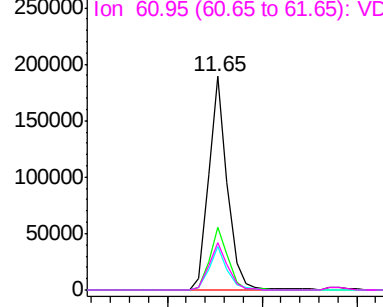


Abundance Ion 42.95 (42.65 to 43.65): V

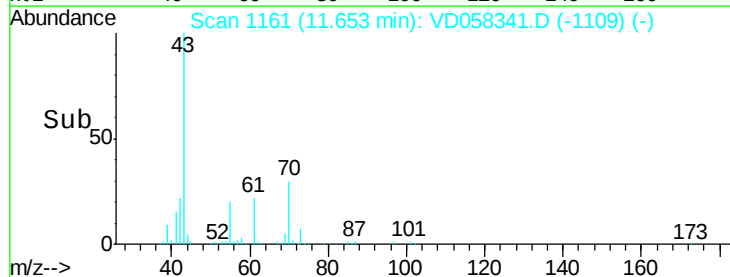
Ion 70.00 (69.70 to 70.70): V

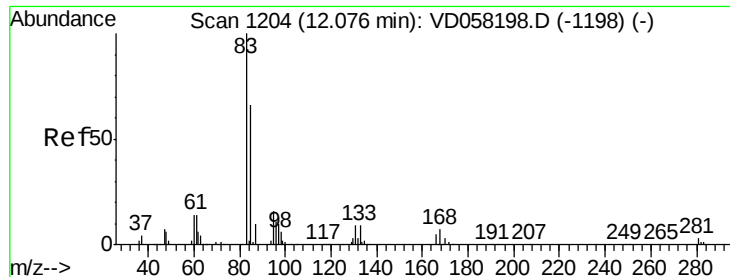
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.38 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

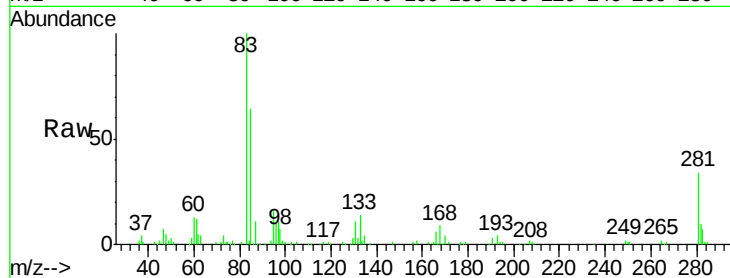
Tot Ion: 83 Resp: 164339

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	64.4	33.1	99.5

83 100

131 10.5 4.8 14.3

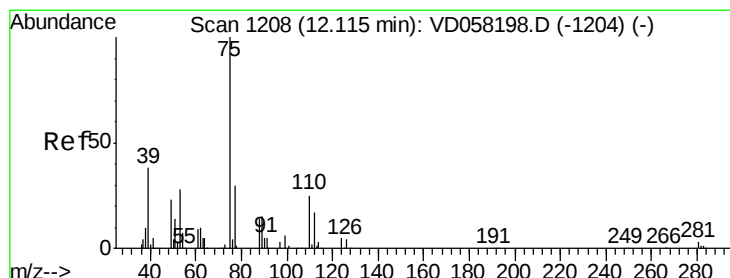
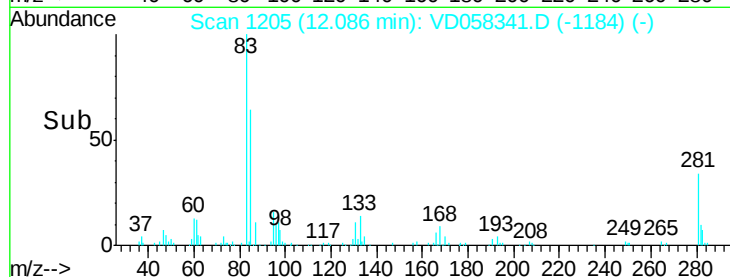
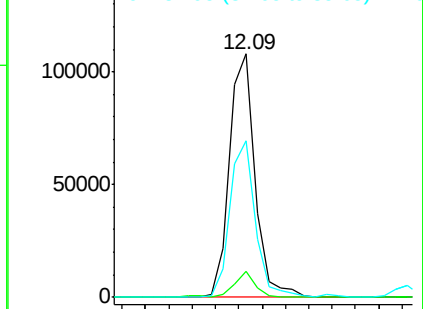
85 64.4 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.62 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058341.D

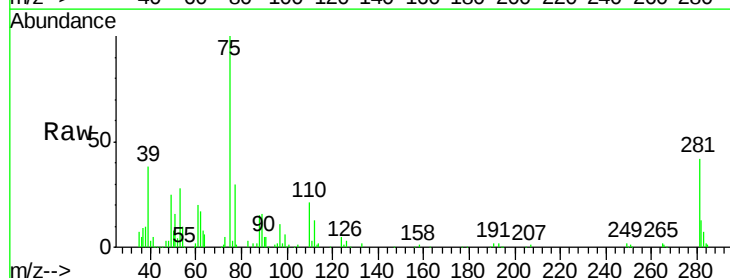
Acq: 23 Jun 2018 15:22

Tgt Ion: 75 Resp: 174209

Ion	Ratio	Lower	Upper
75	100		
77	30.2	16.0	47.9

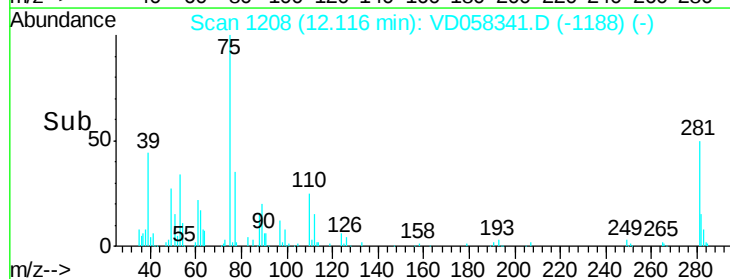
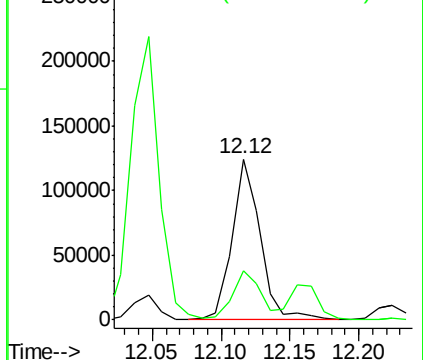
75 100

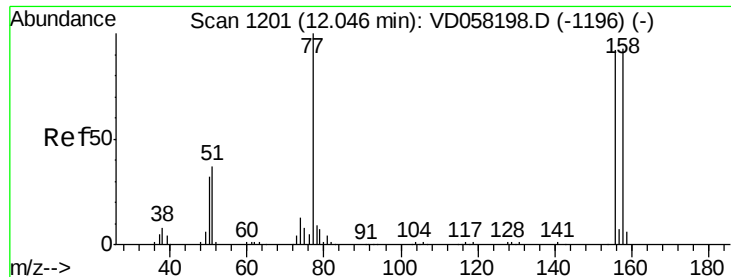
77 30.2 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.83 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

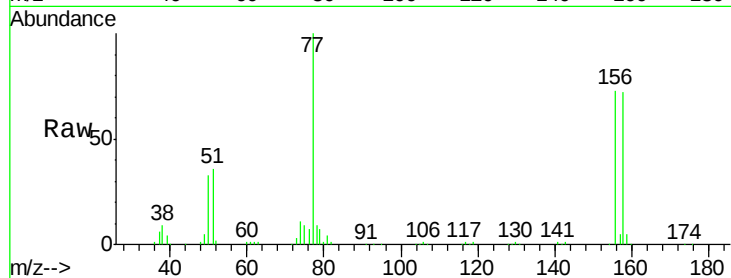
Tot Ion:156 Resp: 215686

Ion Ratio Lower Upper

156 100

77 137.9 54.5 163.6

158 99.3 50.8 152.5

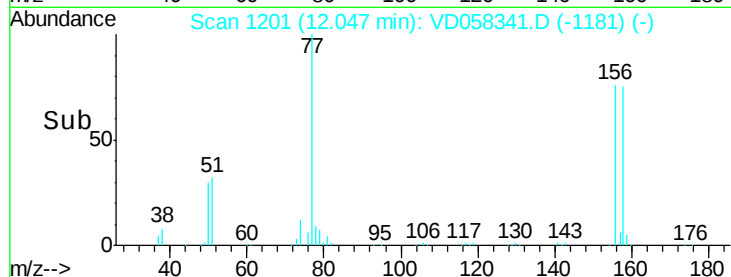


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

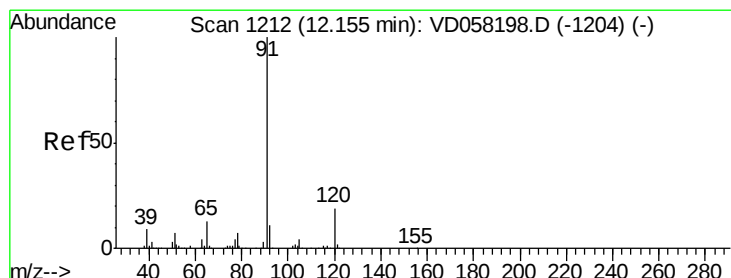
Ion 157.85 (157.55 to 158.55): V

Time-->



12.05

Time-->



#78

n-propylbenzene

Concen: 23.82 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058341.D

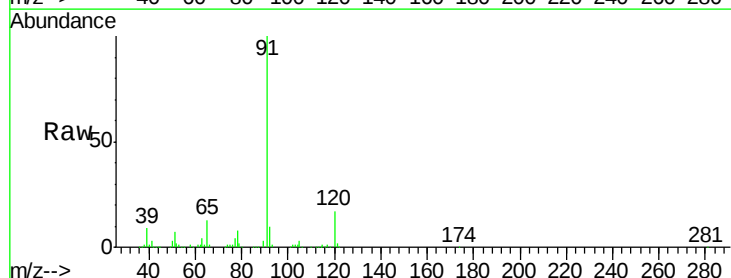
Acq: 23 Jun 2018 15:22

Tgt Ion: 91 Resp: 970843

Ion Ratio Lower Upper

91 100

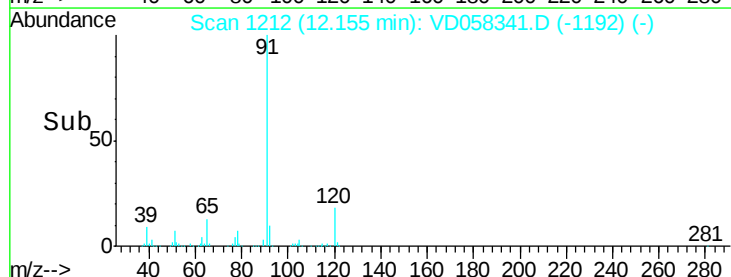
120 17.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

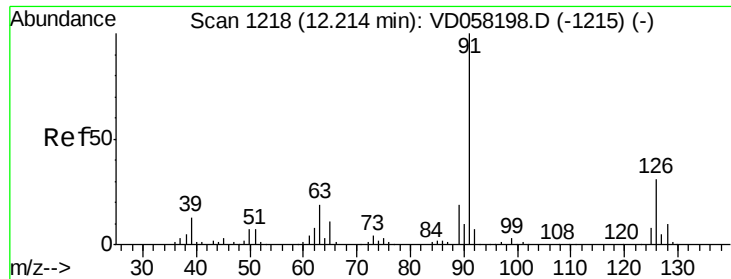
Ion 120.05 (119.75 to 120.75): V

Time-->



12.16

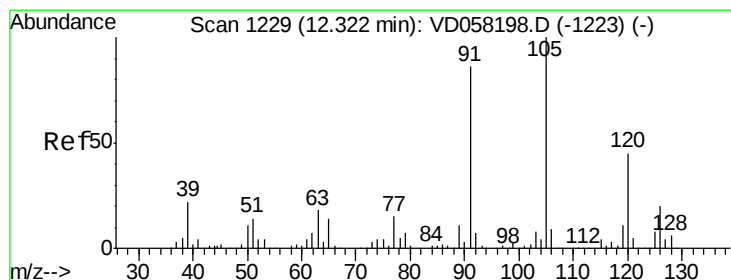
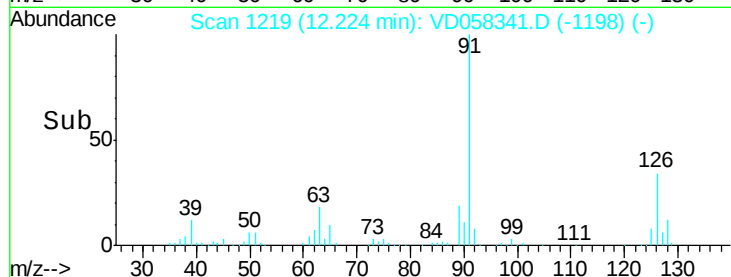
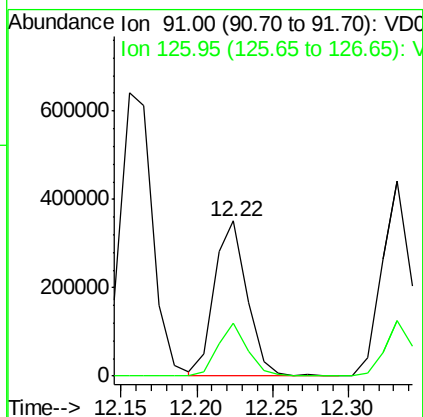
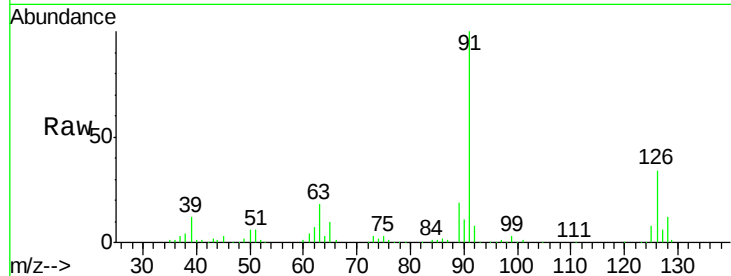
Time-->



#79
 2-Chlorotoluene
 Concen: 22.32 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

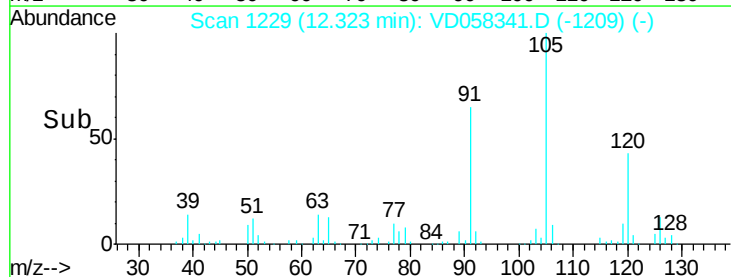
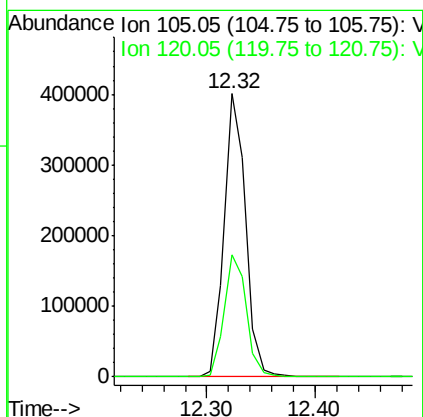
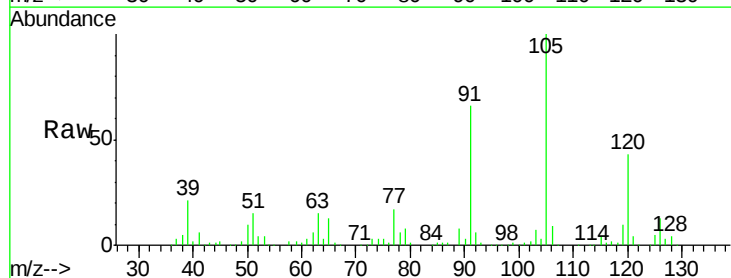
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

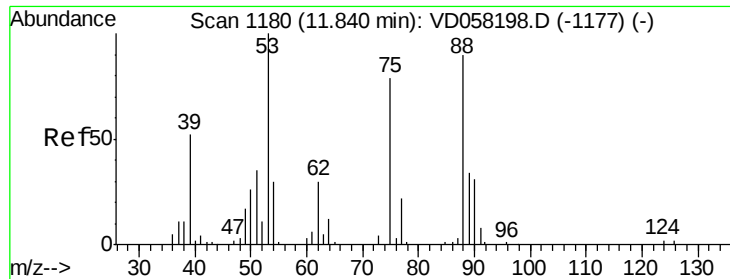
Tot Ion: 91 Resp: 520543
 Ion Ratio Lower Upper
 91 100
 126 34.1 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.43 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion: 105 Resp: 552009
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.01 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

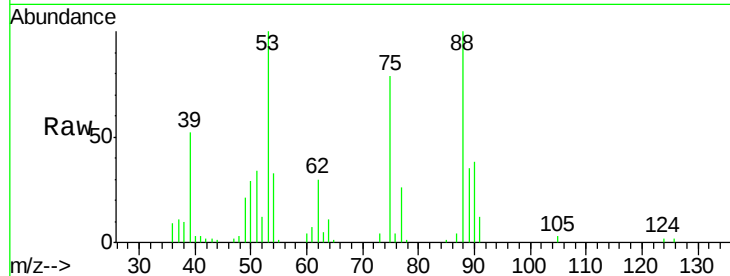
MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 75 Resp: 37588

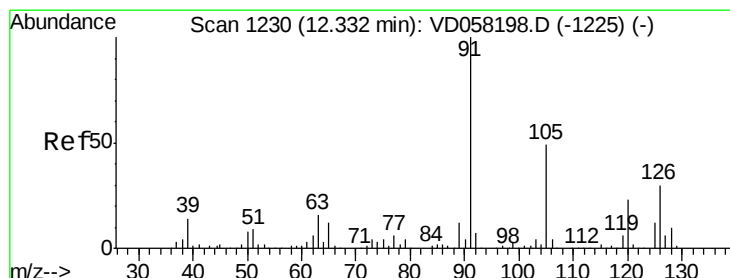
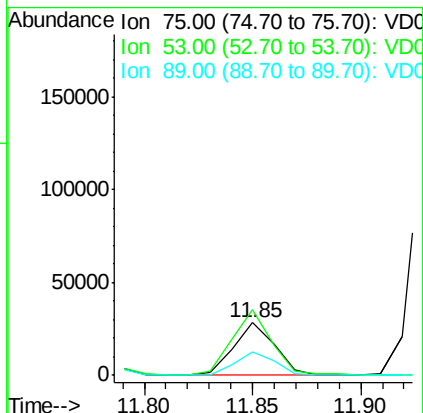
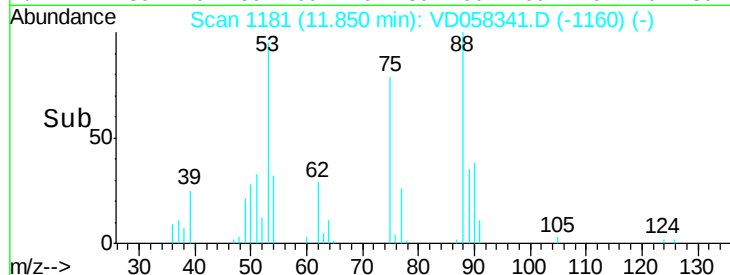
Ion	Ratio	Lower	Upper
75	100		
53	126.5	100.8	151.2
89	45.0	34.6	52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.38 ug/l

RT: 12.33 min Scan# 1230

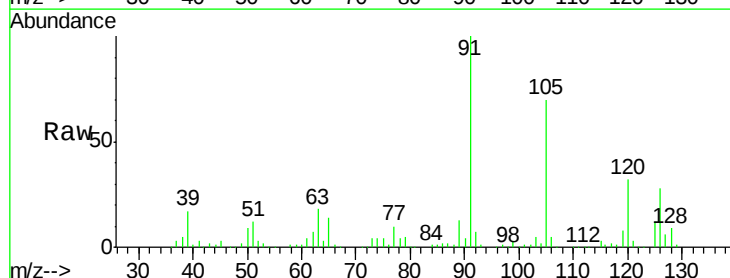
Delta R.T. 0.00 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

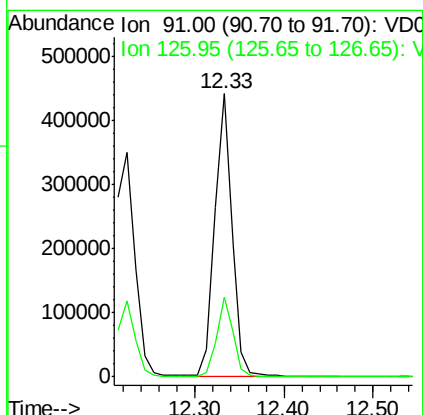
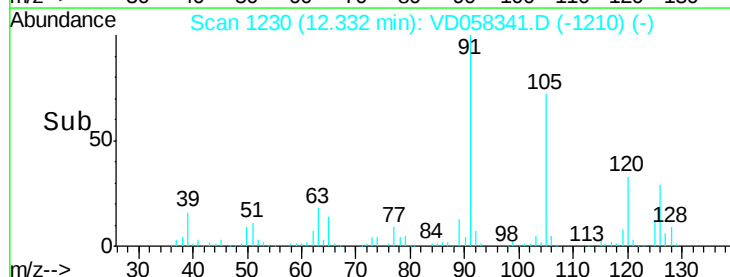
Tgt Ion: 91 Resp: 597044

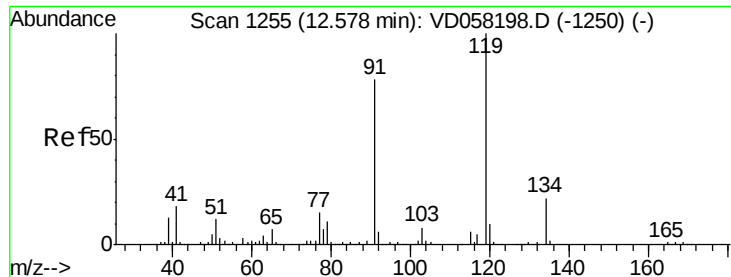
Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.9	44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

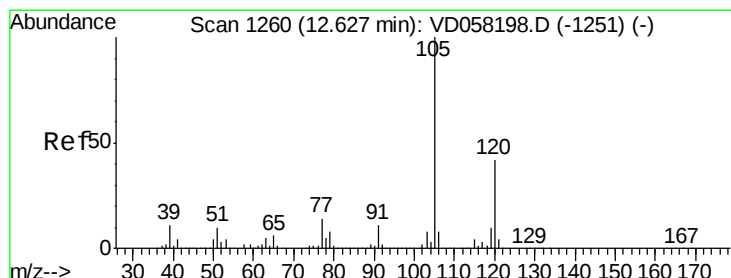
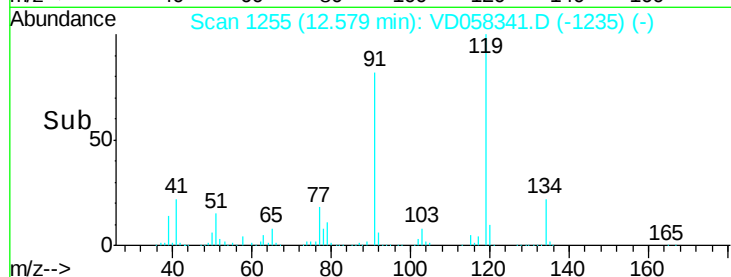
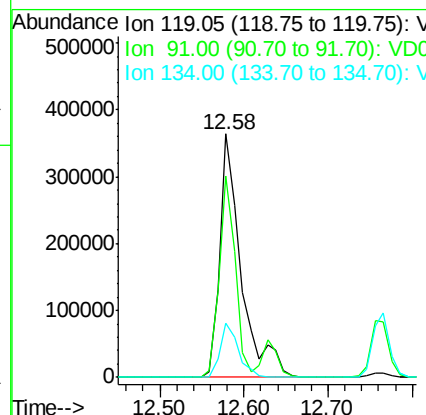
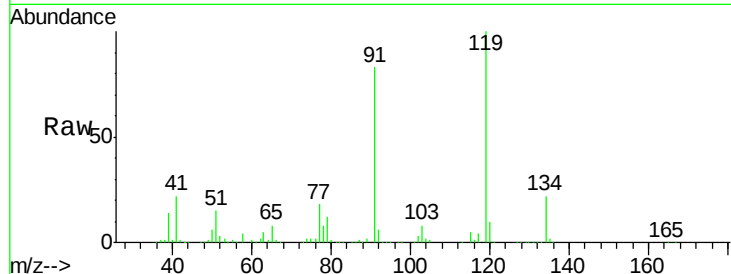




#83
tert-Butylbenzene
Concen: 22.81 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

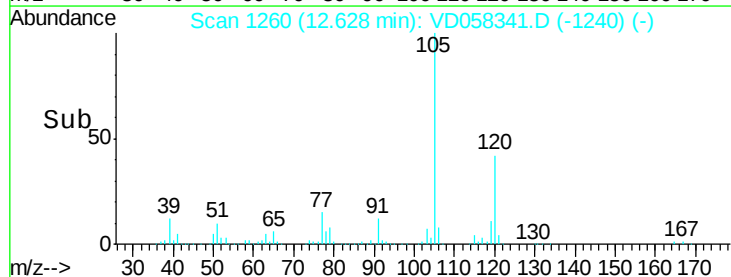
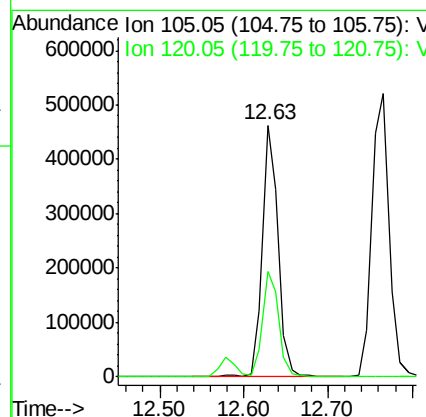
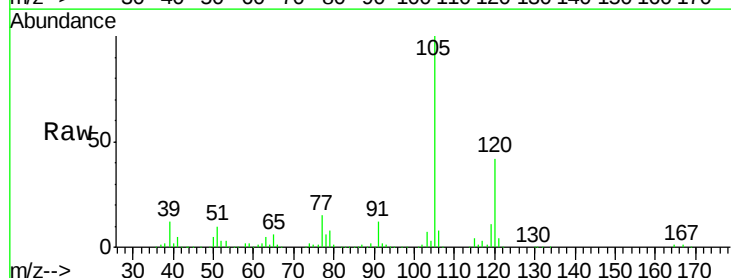
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

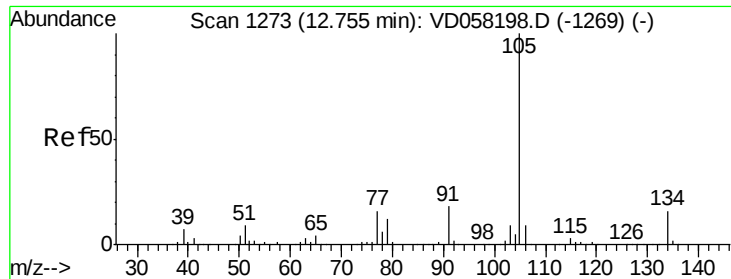
Tot Ion:119 Resp: 645406
Ion Ratio Lower Upper
119 100
91 82.6 38.9 116.6
134 22.5 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 23.01 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion:105 Resp: 615627
Ion Ratio Lower Upper
105 100
120 42.1 20.8 62.4

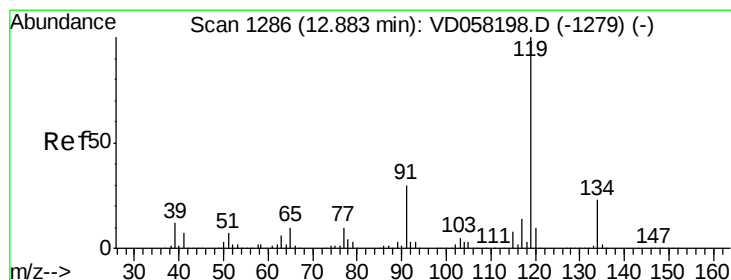
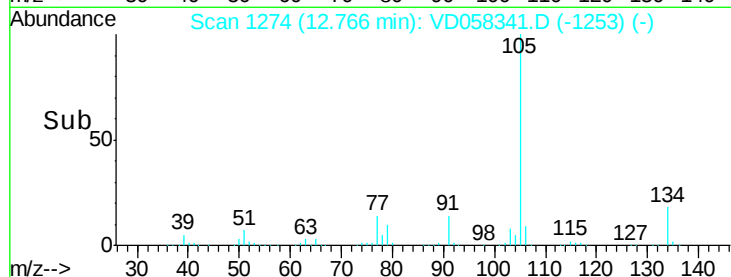
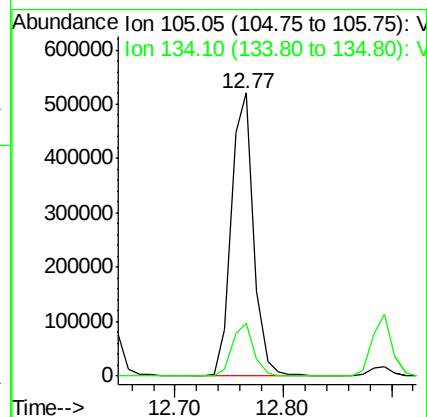
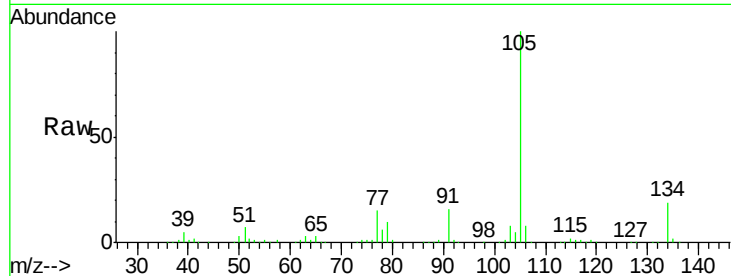




#85
 sec-Butylbenzene
 Concen: 22.33 ug/l
 RT: 12.77 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

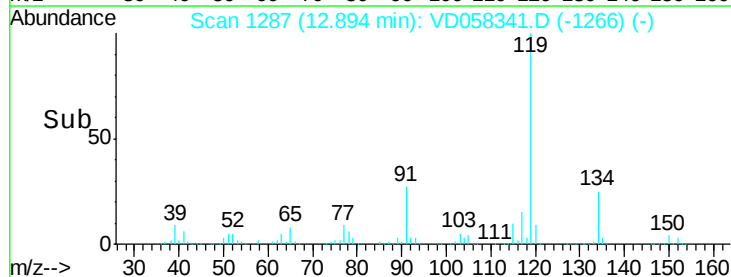
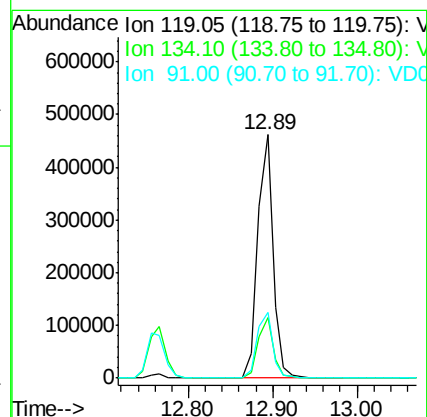
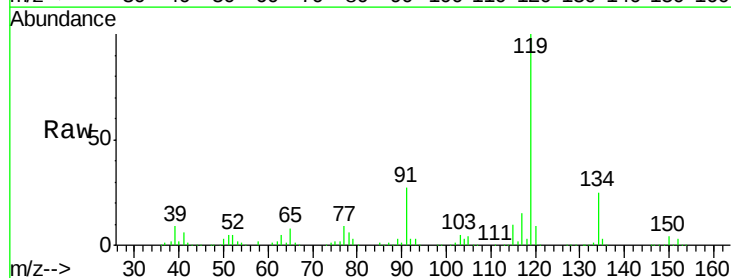
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0623SBS01

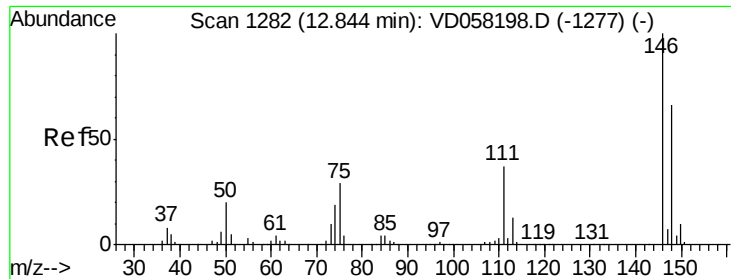
Tot Ion:105 Resp: 740709
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 22.09 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion:119 Resp: 593761
 Ion Ratio Lower Upper
 119 100
 134 24.8 11.6 34.8
 91 26.8 15.0 45.1

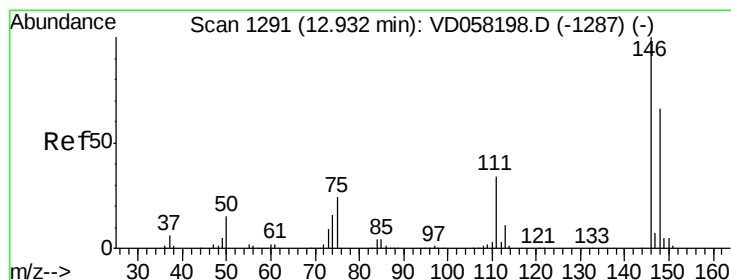
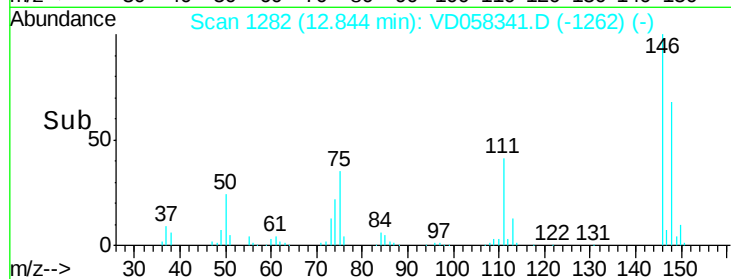
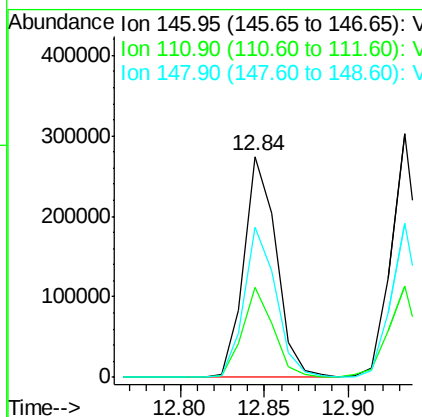
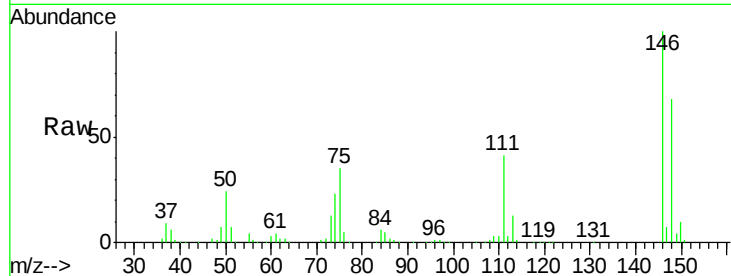




#87
 1,3-Dichlorobenzene
 Concen: 22.34 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

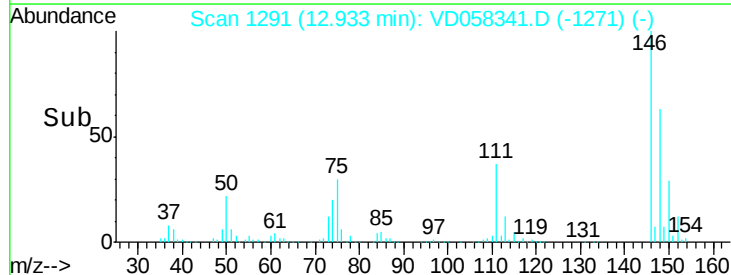
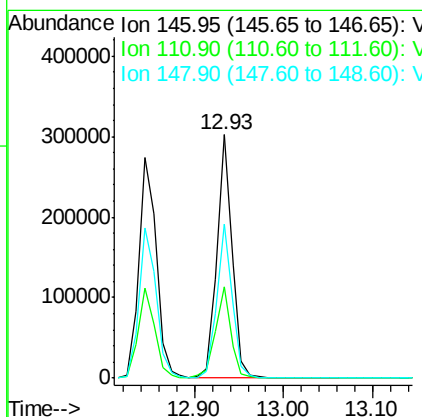
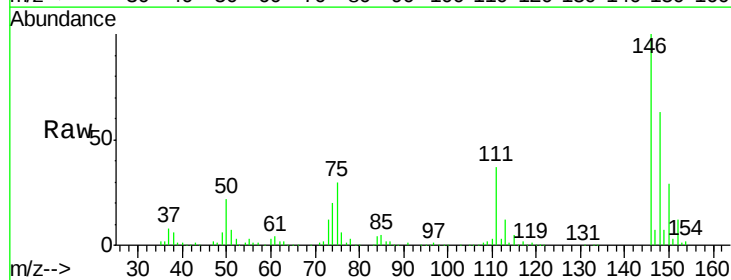
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

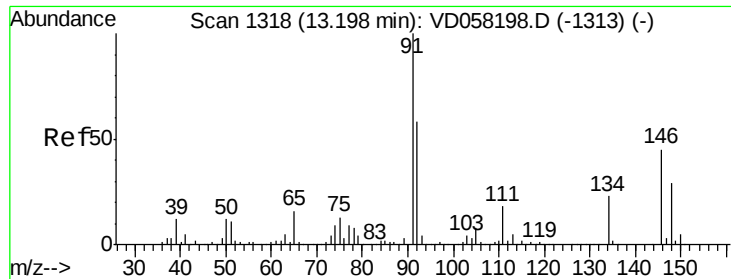
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.4	55.0
148	67.7	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.38 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	17.2	51.5
148	63.3	33.1	99.3

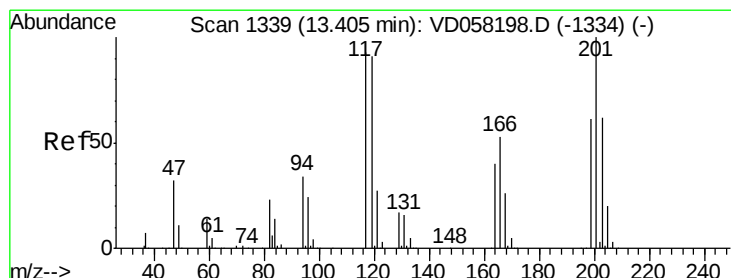
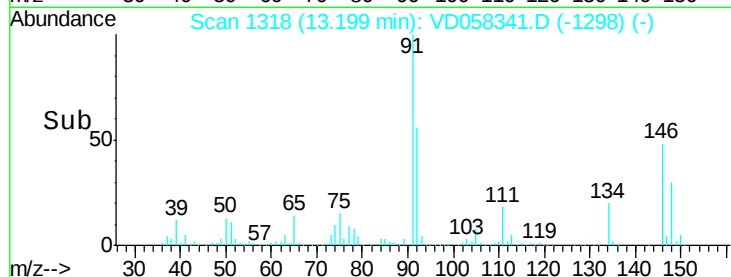
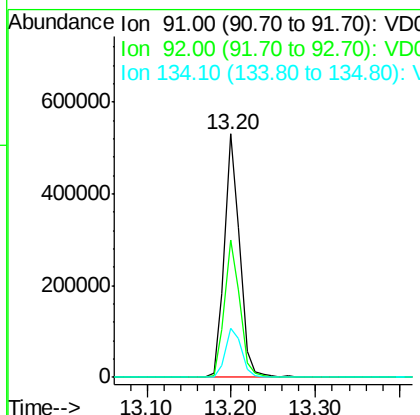
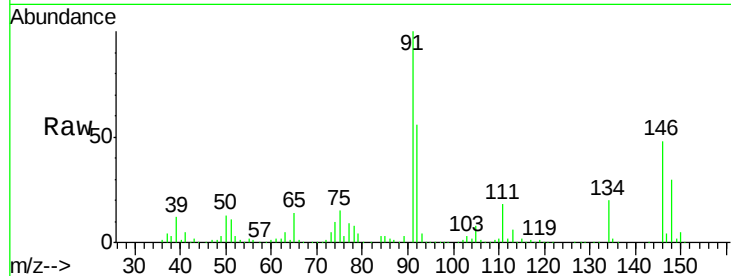




#89
n-Butylbenzene
Concen: 23.76 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

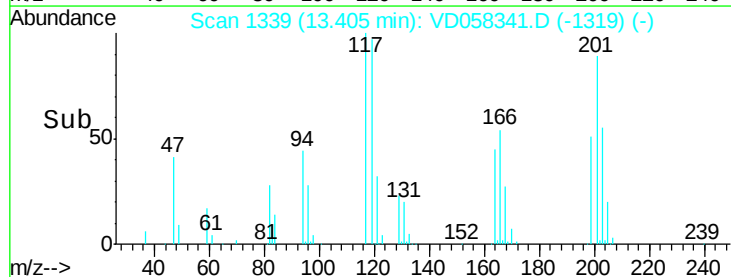
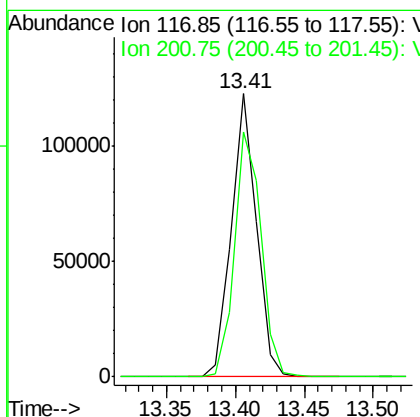
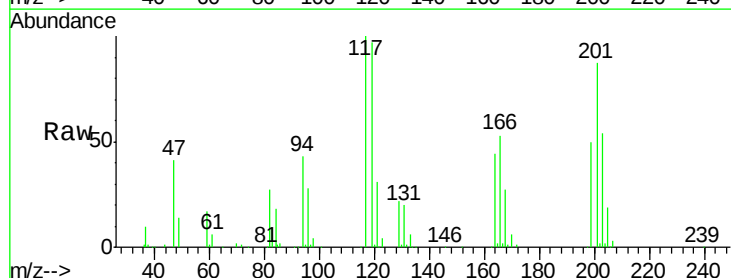
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

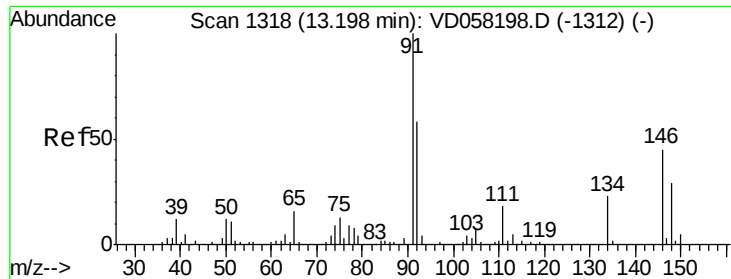
Tot Ion: 91 Resp: 671120
Ion Ratio Lower Upper
91 100
92 56.5 29.2 87.6
134 20.3 11.3 33.8



#90
Hexachloroethane
Concen: 22.15 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058341.D
Acq: 23 Jun 2018 15:22

Tgt Ion: 117 Resp: 154516
Ion Ratio Lower Upper
117 100
201 86.7 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 23.15 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

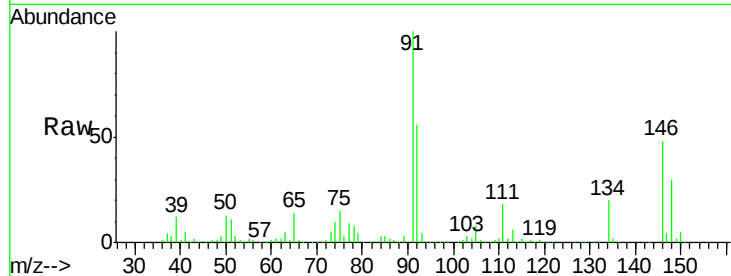
Tot Ion:146 Resp: 323579

Ion Ratio Lower Upper

146 100

111 38.2 19.6 58.7

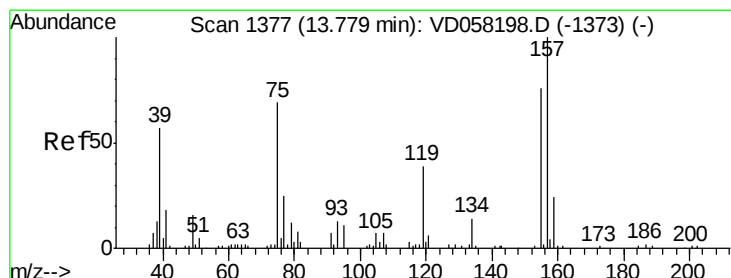
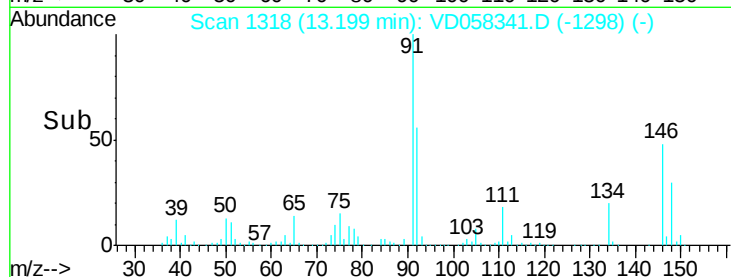
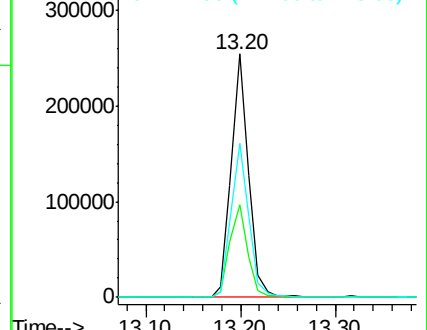
148 63.3 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.09 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

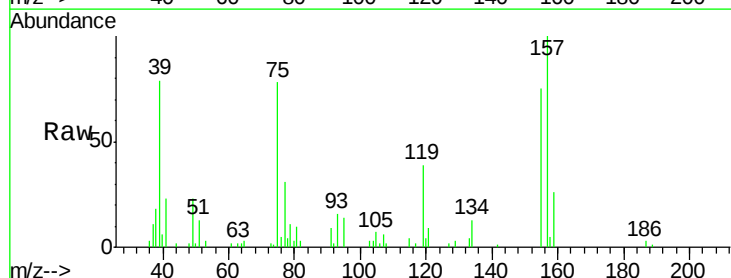
Tgt Ion: 75 Resp: 23477

Ion Ratio Lower Upper

75 100

155 95.4 54.5 163.5

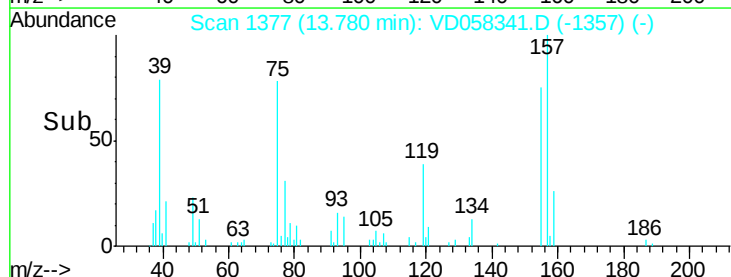
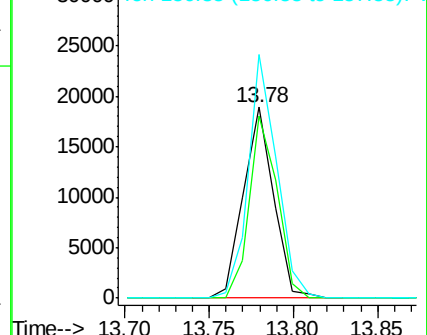
157 127.6 72.0 215.9

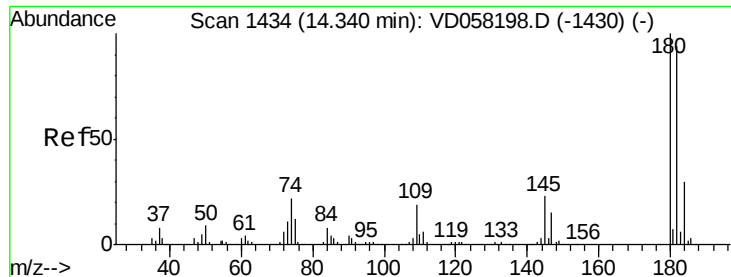


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

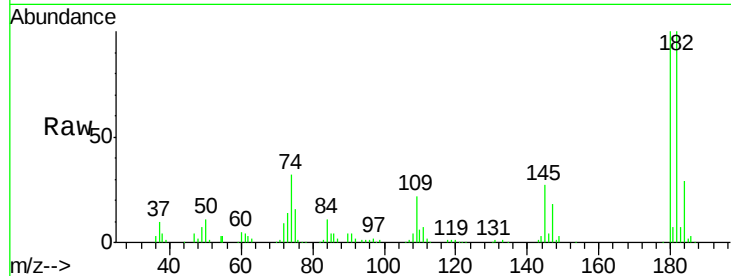




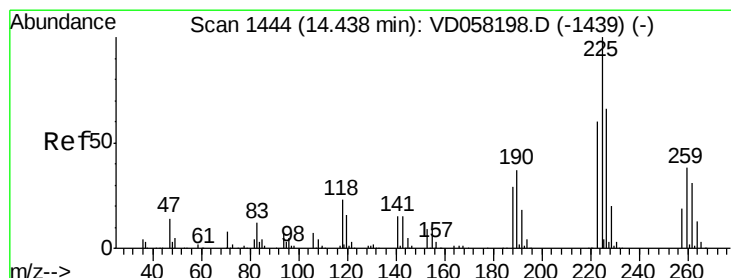
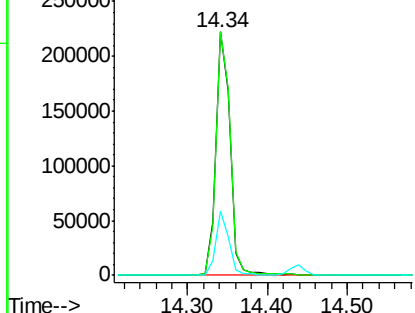
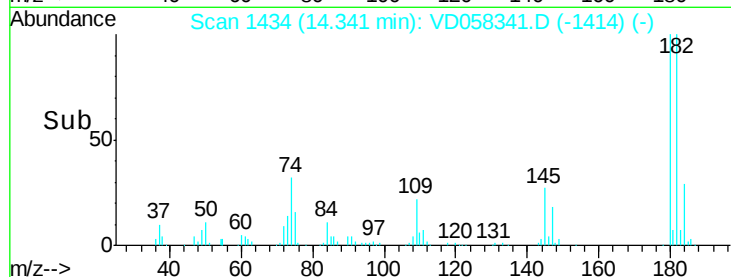
#93
 1,2,4-Trichlorobenzene
 Concen: 21.21 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion:180 Resp: 283572
 Ion Ratio Lower Upper
 180 100
 182 99.9 47.1 141.3
 145 26.6 11.7 35.0

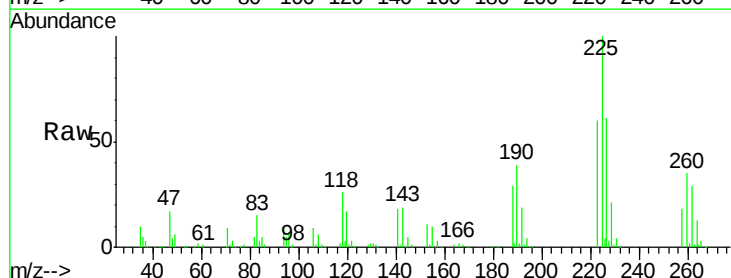


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

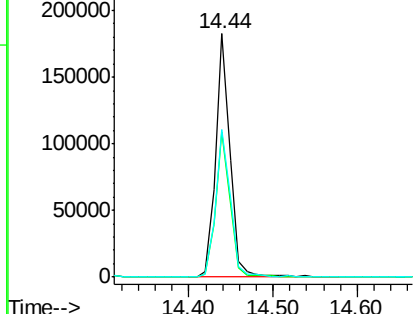
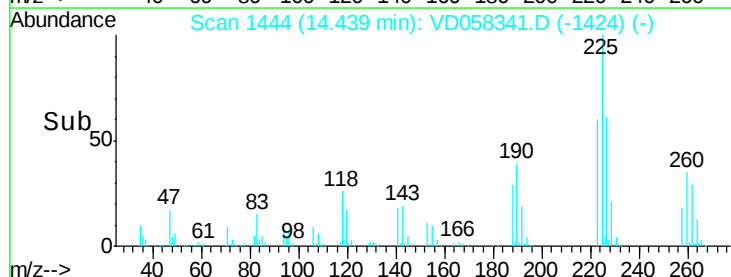


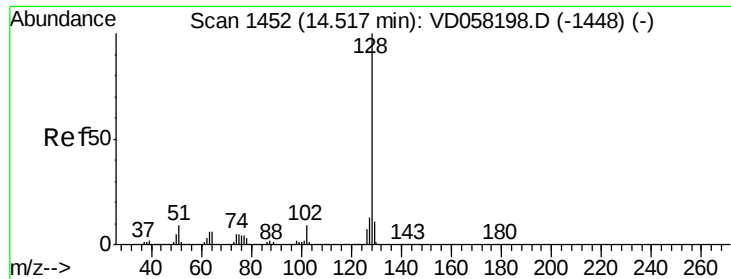
#94
 Hexachlorobutadiene
 Concen: 20.80 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058341.D
 Acq: 23 Jun 2018 15:22

Tgt Ion:225 Resp: 217447
 Ion Ratio Lower Upper
 225 100
 223 59.6 30.1 90.3
 227 60.5 33.0 98.9



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: 21.04 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

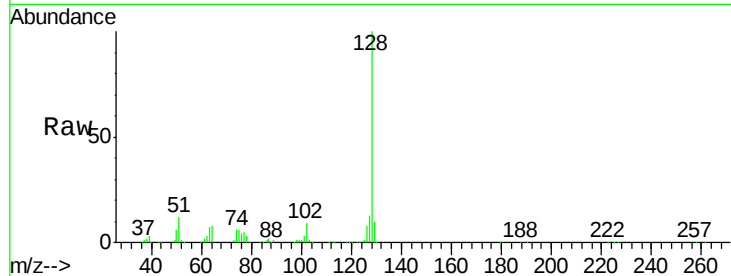
Tot Ion:128 Resp: 370403

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

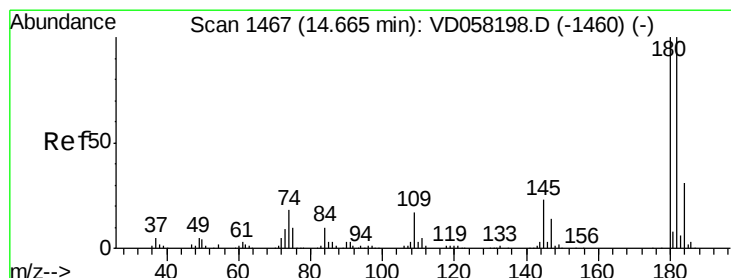
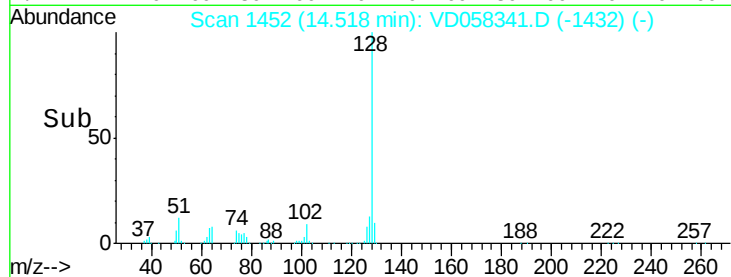
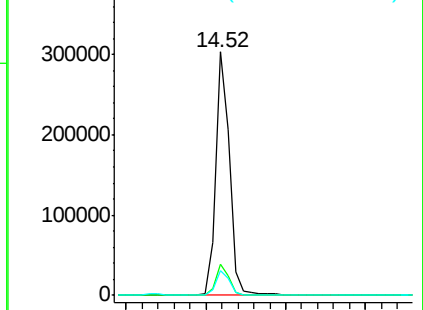
129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.19 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058341.D

Acq: 23 Jun 2018 15:22

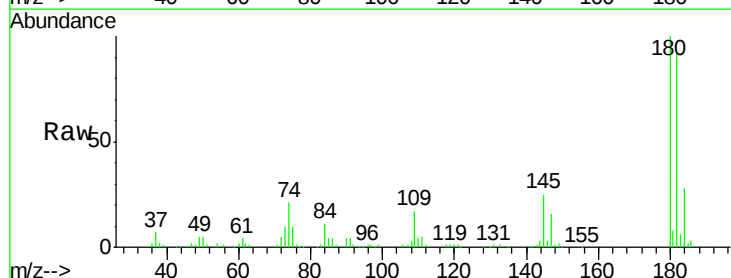
Tgt Ion:180 Resp: 247982

Ion Ratio Lower Upper

180 100

182 92.8 49.9 149.6

145 25.1 11.7 35.1



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

