

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059398.D
 Acq On : 25 Jun 2018 14:51
 Operator : VA/AP
 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:45:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	827872	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1076757	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	883543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	443553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	353185	41.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	83.44%	
35) Dibromofluoromethane	5.54	113	388708	44.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.64%	
50) Toluene-d8	8.70	98	844983	41.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	82.42%	
62) 4-Bromofluorobenzene	11.93	95	369872	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	210058	28.518	ug/l	98
3) Chloromethane	1.48	50	105934	27.639	ug/l #	76
4) Vinyl Chloride	1.55	62	104511	26.284	ug/l	94
5) Bromomethane	1.79	94	34555	23.669	ug/l	92
6) Chloroethane	1.88	64	37839	20.649	ug/l	91
7) Trichlorofluoromethane	2.07	101	145430	25.365	ug/l	97
8) Diethyl Ether	2.34	74	31330	24.149	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.55	101	93216	26.162	ug/l	95
10) Methyl Iodide	2.68	142	100466	24.140	ug/l #	93
11) Tert butyl alcohol	3.26	59	31700	108.233	ug/l	95
12) 1,1-Dichloroethene	2.54	96	72204	26.469	ug/l	99
13) Acrolein	2.47	56	37672	143.877	ug/l	98
14) Allyl chloride	2.91	41	161797	25.913	ug/l	94
15) Acrylonitrile	3.35	53	105273	117.114	ug/l	88
16) Acetone	2.60	43	141680	132.596	ug/l	94
17) Carbon Disulfide	2.74	76	221707	26.537	ug/l	98
18) Methyl Acetate	2.93	43	48713	19.790	ug/l	96
19) Methyl tert-butyl Ether	3.40	73	319268	23.778	ug/l	97
20) Methylene Chloride	3.06	84	97223	31.906	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	128789	26.702	ug/l	88
22) Diisopropyl ether	4.06	45	560339	23.852	ug/l	98
23) Vinyl Acetate	4.01	43	1527377	124.785	ug/l	100
24) 1,1-Dichloroethane	3.96	63	332039	24.700	ug/l	99
25) 2-Butanone	4.83	43	268385	119.905	ug/l	95
26) 2,2-Dichloropropane	4.79	77	283618	27.206	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	187293	23.108	ug/l	94
28) Bromochloromethane	5.13	49	139205	23.886	ug/l	97
29) Tetrahydrofuran	5.18	42	137208	112.068	ug/l	96
30) Chloroform	5.31	83	356043	24.300	ug/l	97
31) Cyclohexane	5.59	56	250767	26.432	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	304544	25.668	ug/l	93
36) 1,1-Dichloropropene	5.74	75	240226	24.594	ug/l	99
37) Ethyl Acetate	4.92	43	128073	21.530	ug/l	97
38) Carbon Tetrachloride	5.72	117	257451	25.564	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	236619	25.541	ug/l	98
40) Benzene	6.01	78	567337	24.204	ug/l	100
41) Methacrylonitrile	5.12	41	69621	24.299	ug/l	95
42) 1,2-Dichloroethane	6.12	62	239749	23.148	ug/l	95
43) Isopropyl Acetate	7.62	43	166273	22.258	ug/l #	98
44) Trichloroethene	6.98	130	187365	24.413	ug/l	99
45) 1,2-Dichloropropane	7.34	63	152203	23.444	ug/l	92
46) Dibromomethane	7.46	93	105870	22.676	ug/l	96
47) Bromodichloromethane	7.74	83	252643	24.183	ug/l	96
48) Methyl methacrylate	7.50	41	103688	22.783	ug/l	91
49) 1,4-Dioxane	7.50	88	19113	418.743	ug/l #	77
51) 4-Methyl-2-Pentanone	8.59	43	574657	115.442	ug/l	100
52) Toluene	8.80	92	332424	23.746	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	209829	24.035	ug/l	96
54) cis-1,3-Dichloropropene	8.35	75	245295	24.267	ug/l	96
55) 1,1,2-Trichloroethane	9.45	97	119161	23.445	ug/l	96
56) Ethyl methacrylate	9.31	69	135195	23.311	ug/l	98
57) 1,3-Dichloropropane	9.66	76	191485	23.036	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	323814	108.458	ug/l	99
59) 2-Hexanone	9.78	43	421620	119.171	ug/l	100
60) Dibromochloromethane	9.96	129	163792	23.013	ug/l	95
61) 1,2-Dibromoethane	10.09	107	128024	22.620	ug/l	96
64) Tetrachloroethene	9.52	164	174820	22.555	ug/l	97
65) Chlorobenzene	10.73	112	395387	24.473	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	152248	24.550	ug/l	96
67) Ethyl Benzene	10.85	91	667420	24.482	ug/l	99
68) m/p-Xylenes	11.01	106	481802	53.268	ug/l	94
69) o-Xylene	11.41	106	233838	26.150	ug/l	99
70) Styrene	11.44	104	377568	24.632	ug/l	99
71) Bromoform	11.60	173	118520	23.070	ug/l	99
73) Isopropylbenzene	11.77	105	648763	25.919	ug/l	100
74) N-amyl acetate	11.64	43	219579	23.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	135362	23.051	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	140289	22.930	ug/l	98
77) Bromobenzene	12.04	156	201708	25.604	ug/l	98
78) n-propylbenzene	12.15	91	838329	26.445	ug/l	98
79) 2-Chlorotoluene	12.21	91	476785	25.610	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	526068	26.400	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	34768	25.002	ug/l	95
82) 4-Chlorotoluene	12.32	91	563422	26.689	ug/l	100
83) tert-Butylbenzene	12.58	119	593251	27.989	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	542752	25.737	ug/l	100
85) sec-Butylbenzene	12.75	105	657727	25.288	ug/l	100
86) p-Isopropyltoluene	12.88	119	554822	26.465	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	330995	25.539	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	333078	26.043	ug/l	94
89) n-Butylbenzene	13.20	91	583164	28.181	ug/l	97
90) Hexachloroethane	13.40	117	140590	26.880	ug/l	71
91) 1,2-Dichlorobenzene	13.20	146	277553	25.258	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22865	23.614	ug/l #	39

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Response via : Initial Calibration

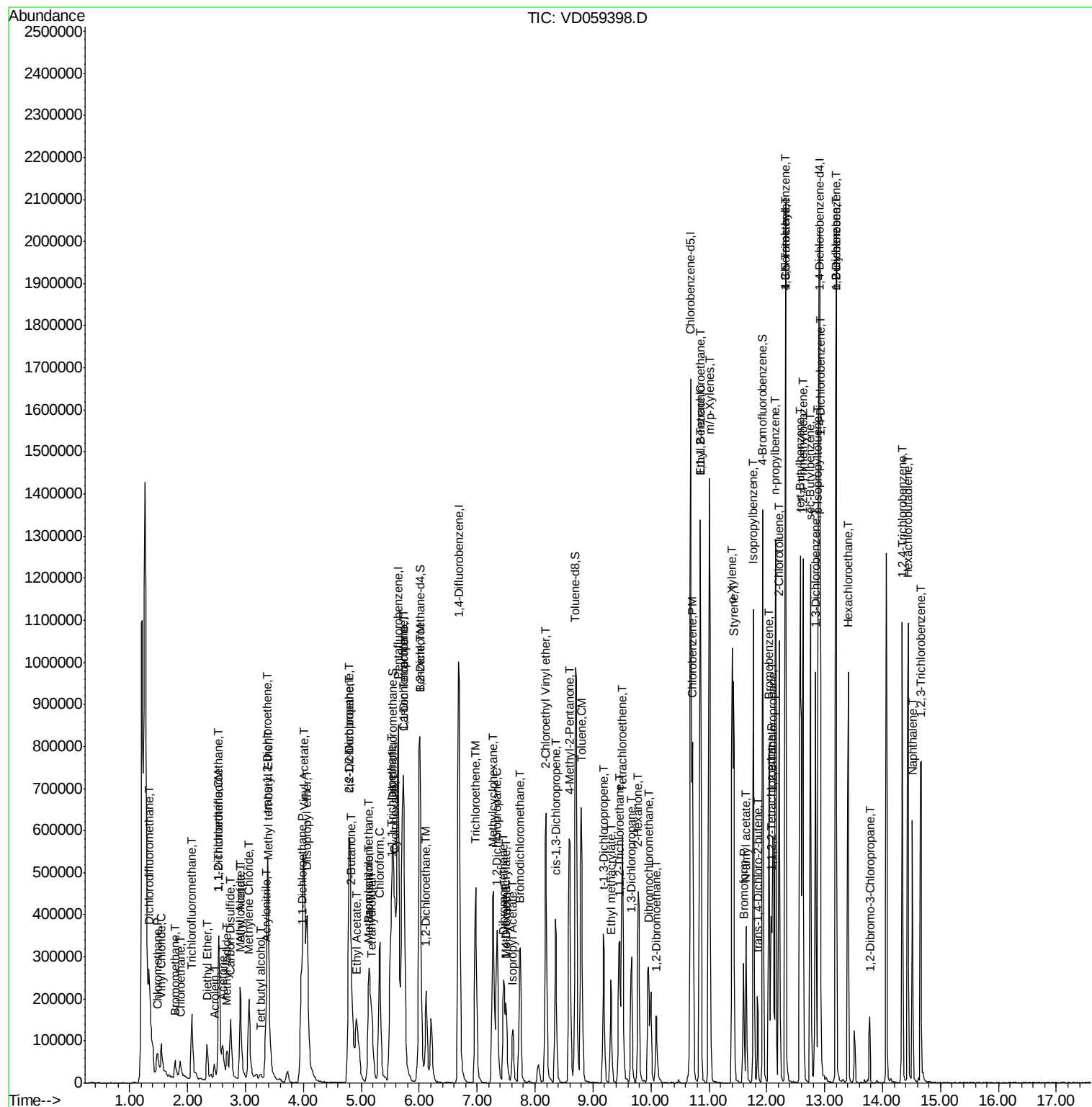
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	278412	27.404	ug/l	98
94) Hexachlorobutadiene	14.44	225	200333	26.205	ug/l	98
95) Naphthalene	14.52	128	337904	23.864	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	225125	24.645	ug/l	98

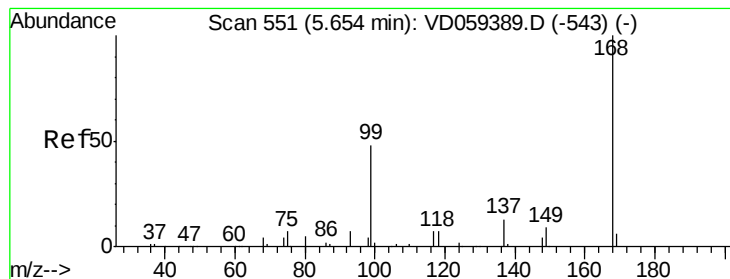
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

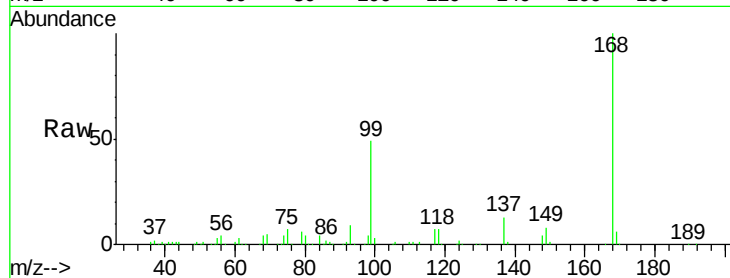
ClientSampleId :

Tot Ion:168 Resp: 827872

Ion Ratio Lower Upper

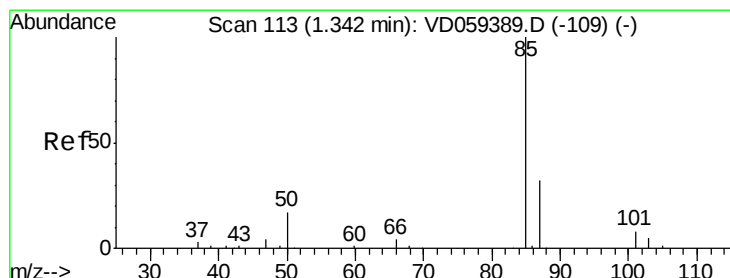
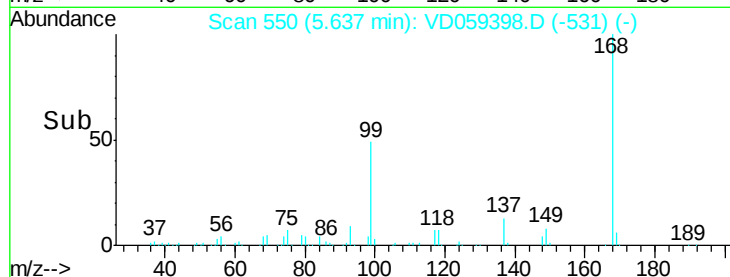
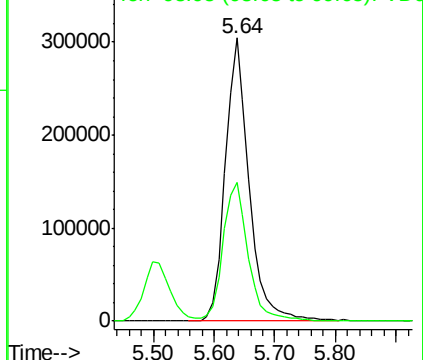
168 100

99 49.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 28.518 ug/l

RT: 1.33 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD059398.D

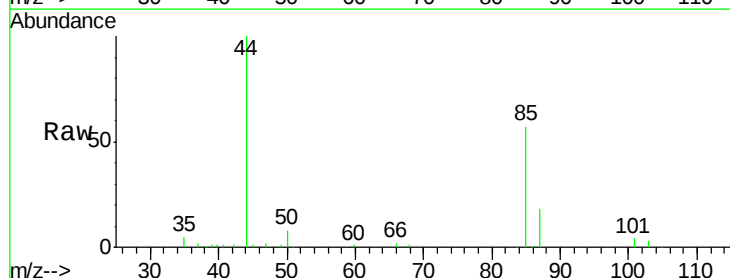
Acq: 25 Jun 2018 14:51

Tgt Ion: 85 Resp: 210058

Ion Ratio Lower Upper

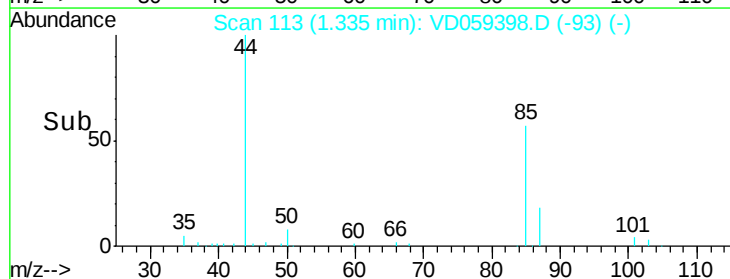
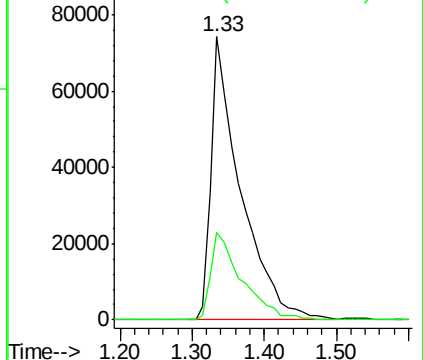
85 100

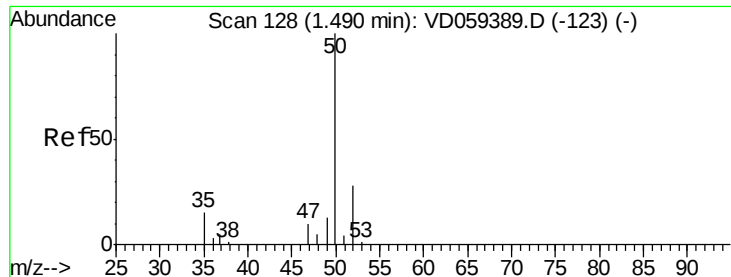
87 31.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 27.639 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

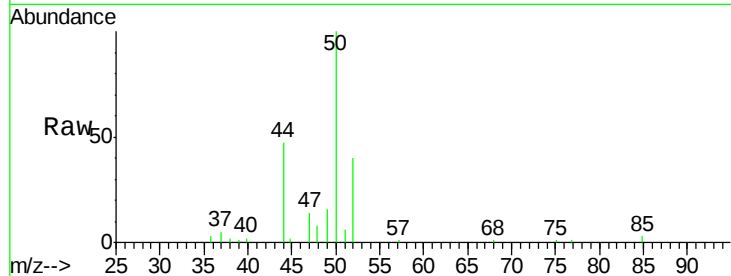
ClientSampled :

Tot Ion: 50 Resp: 105934

Ion Ratio Lower Upper

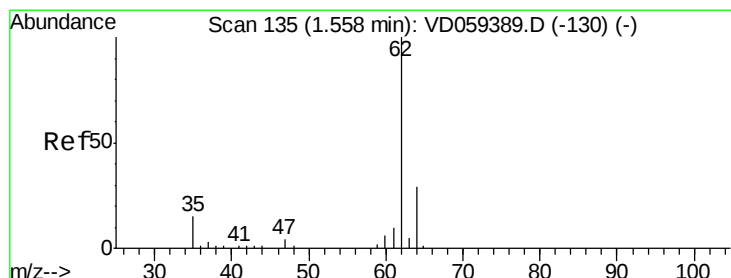
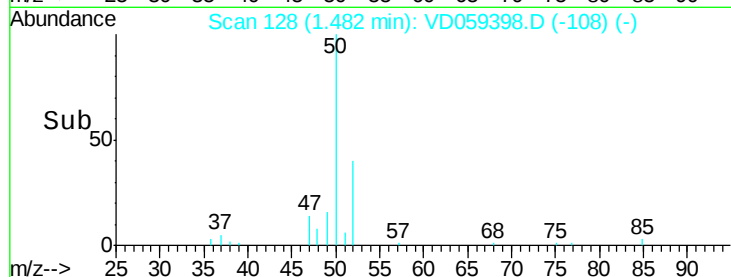
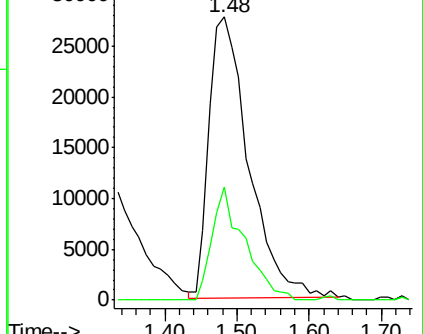
50 100

52 39.8 21.8 32.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 26.284 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD059398.D

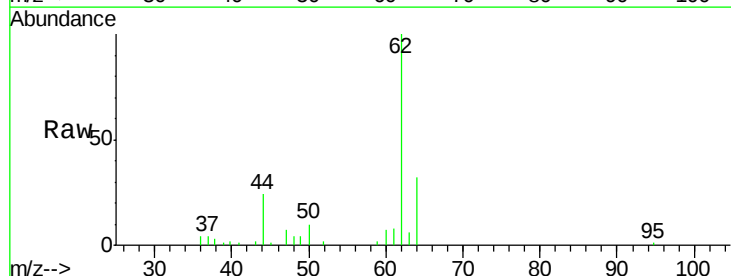
Acq: 25 Jun 2018 14:51

Tgt Ion: 62 Resp: 104511

Ion Ratio Lower Upper

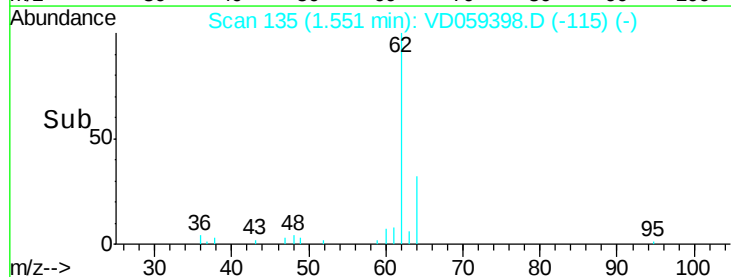
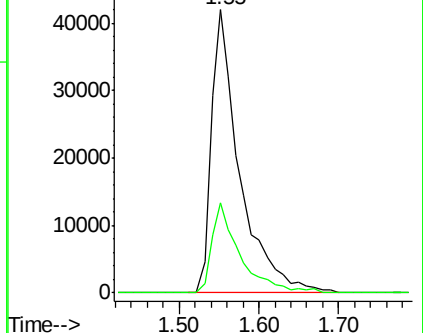
62 100

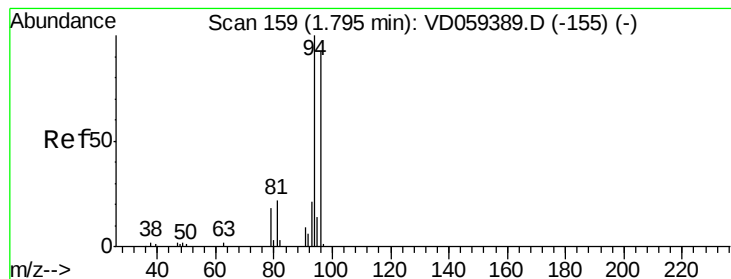
64 32.0 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 23.669 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

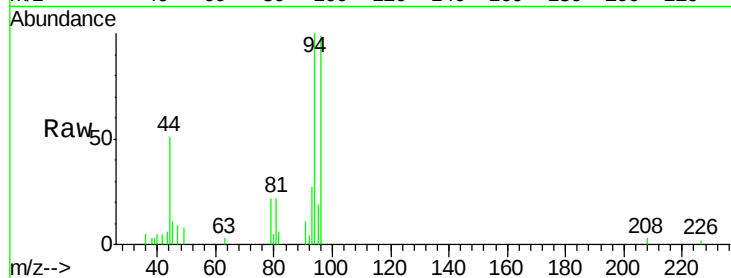
ClientSampled :

Tot Ion: 94 Resp: 34555

Ion Ratio Lower Upper

94 100

96 99.5 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

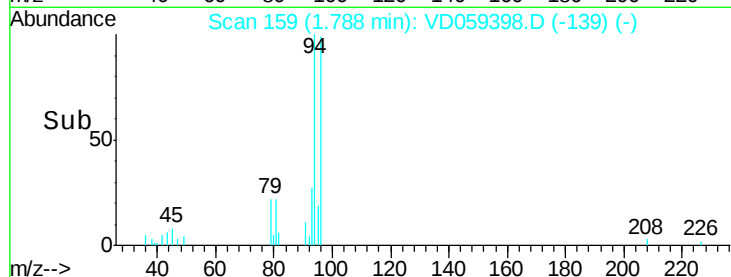
15000

10000

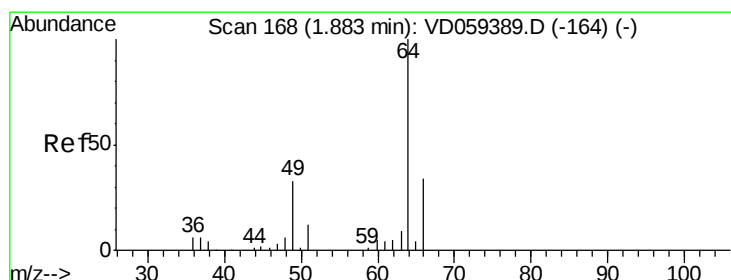
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 20.649 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD059398.D

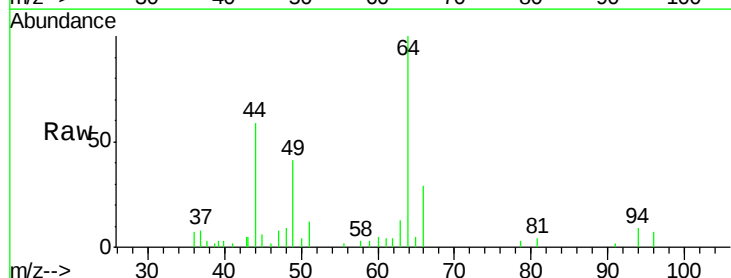
Acq: 25 Jun 2018 14:51

Tgt Ion: 64 Resp: 37839

Ion Ratio Lower Upper

64 100

66 28.9 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

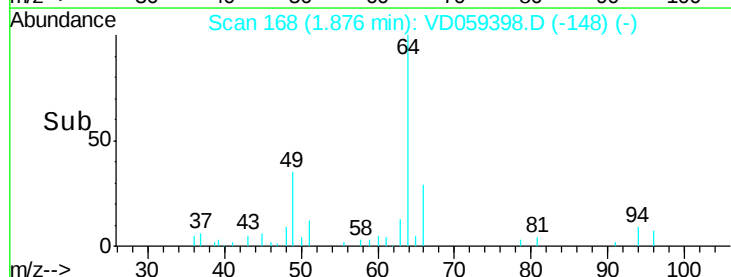
15000

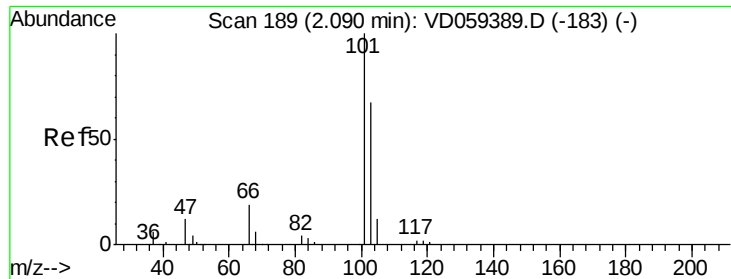
10000

5000

0

Time-->



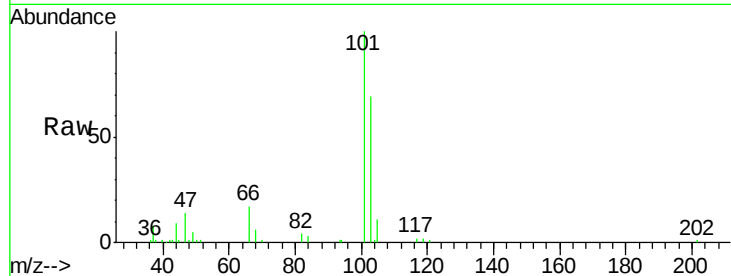


#7

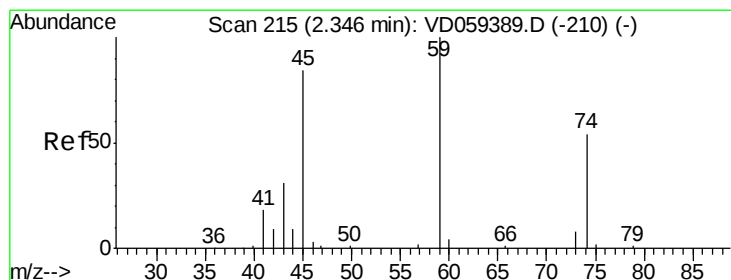
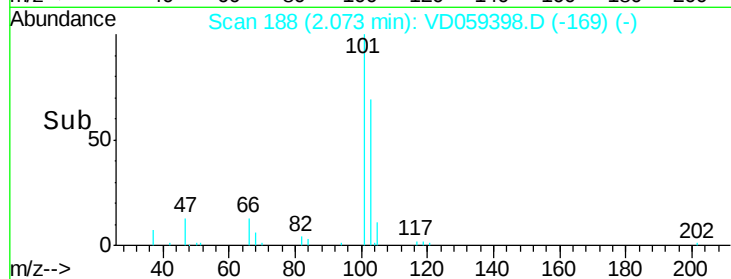
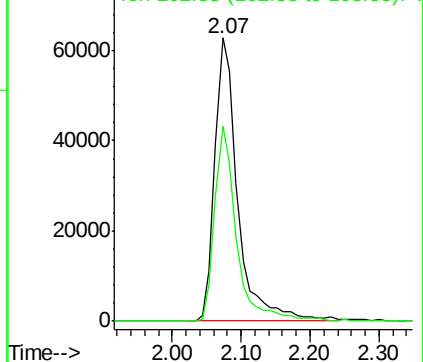
Trichlorofluoromethane
Concen: 25.365 ug/l
RT: 2.07 min Scan# 188
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 145430
Ion Ratio Lower Upper
101 100
103 69.0 53.4 80.0



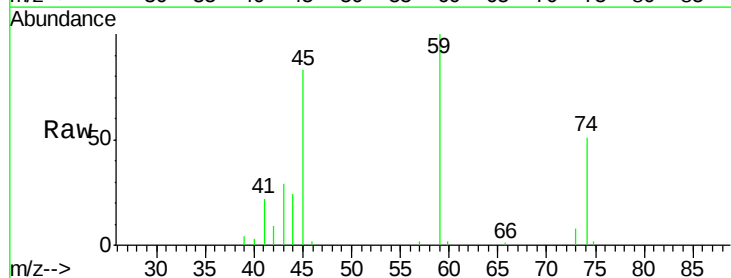
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



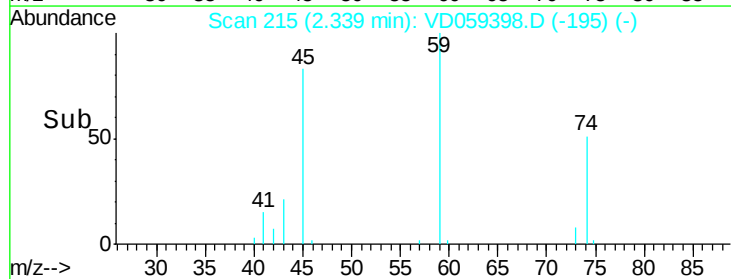
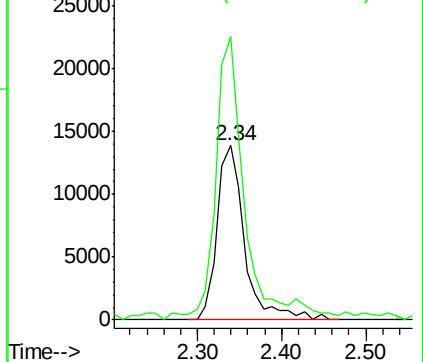
#8

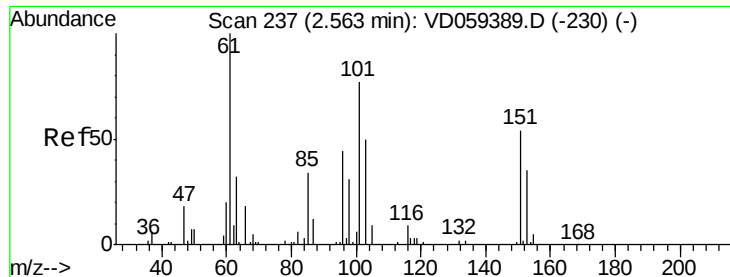
Diethyl Ether
Concen: 24.149 ug/l
RT: 2.34 min Scan# 215
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 74 Resp: 31330
Ion Ratio Lower Upper
74 100
45 162.3 78.0 233.8



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: 26.162 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

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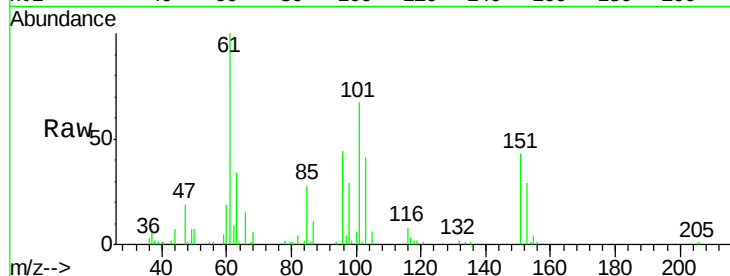
Tot Ion:101 Resp: 93216

Ion Ratio Lower Upper

101 100

85 42.6 35.7 53.5

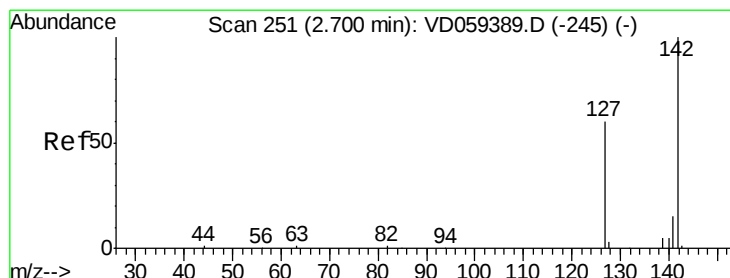
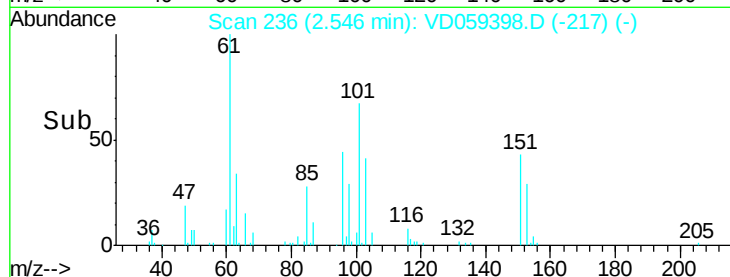
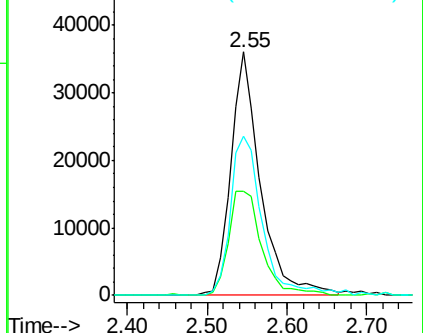
151 65.1 55.8 83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 24.140 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

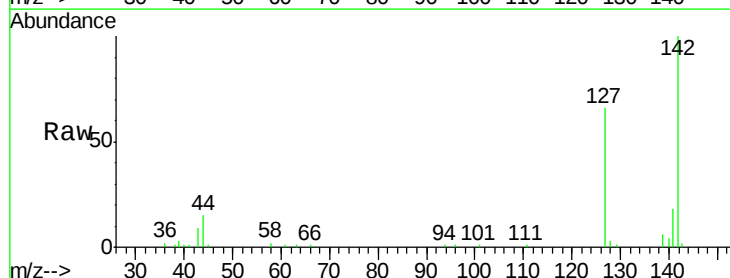
Tgt Ion:142 Resp: 100466

Ion Ratio Lower Upper

142 100

127 65.9 48.4 72.6

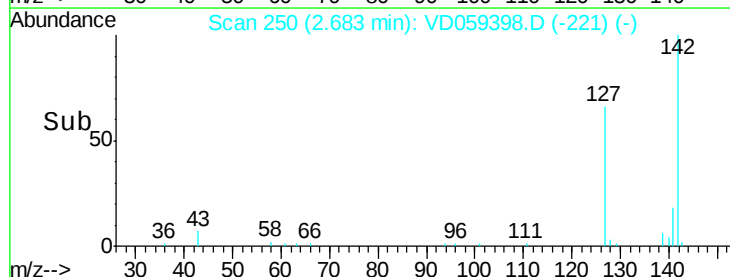
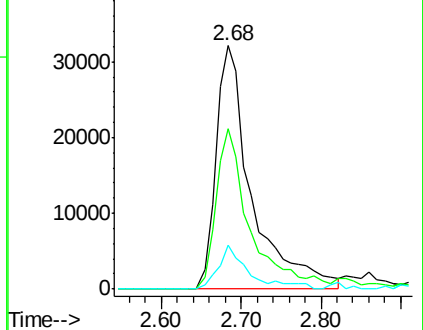
141 18.1 12.1 18.1#

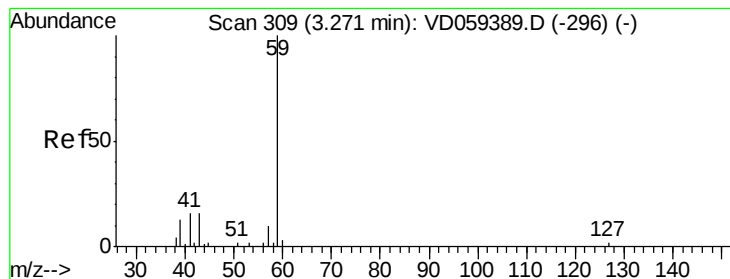


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



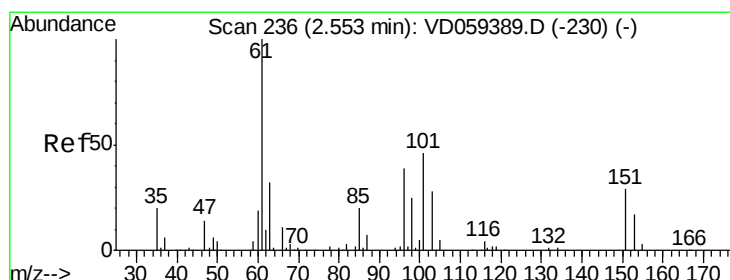
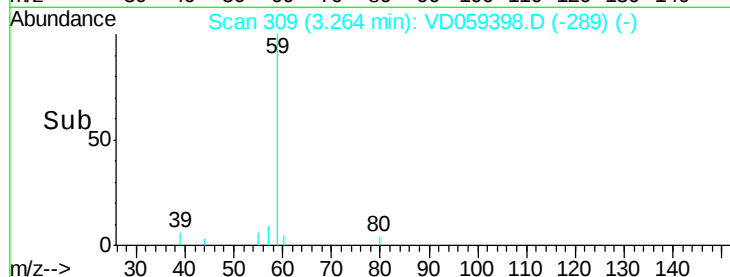
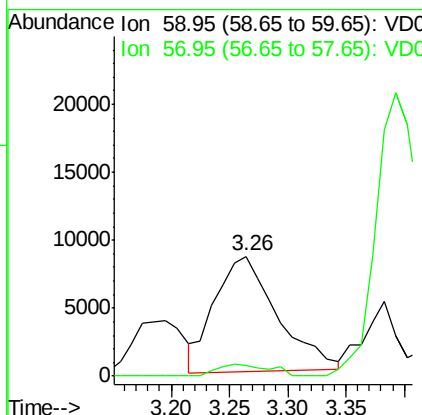
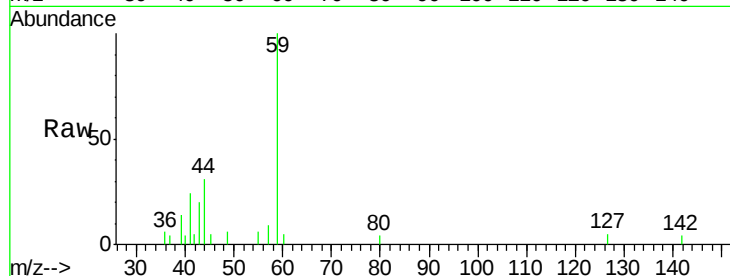


#11

Tert butyl alcohol
 Concen: 108.233 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Instrument :
 MSVOA_D
 ClientSampled :

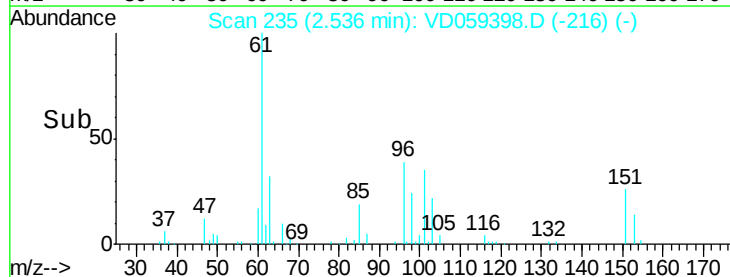
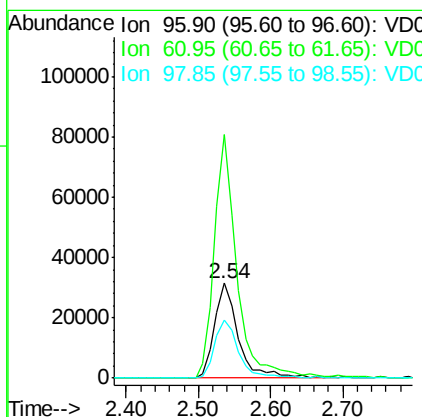
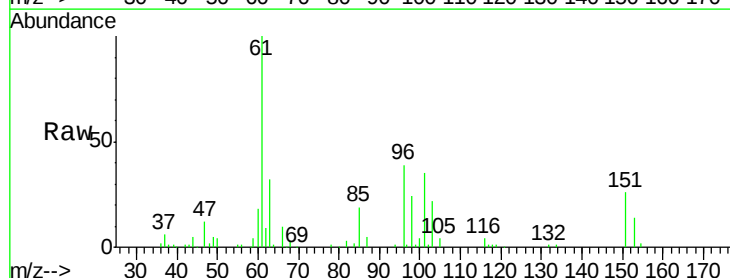
Tot Ion: 59 Resp: 31700
 Ion Ratio Lower Upper
 59 100
 57 8.7 8.3 12.5

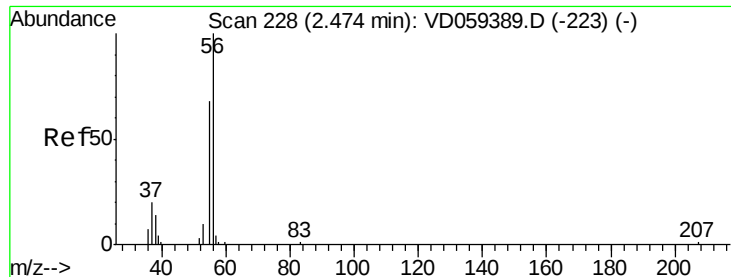


#12

1,1-Dichloroethene
 Concen: 26.469 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.02 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Tgt Ion: 96 Resp: 72204
 Ion Ratio Lower Upper
 96 100
 61 256.3 205.4 308.0
 98 60.8 51.0 76.4





#13

Acrolein

Concen: 143.877 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

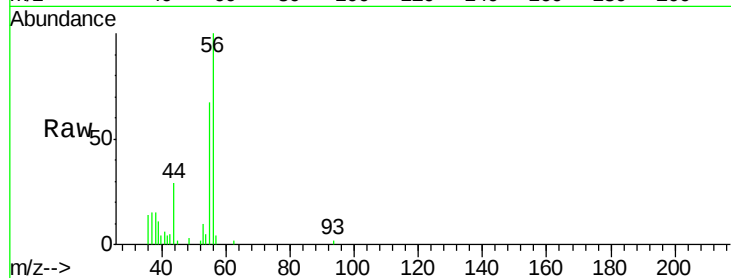
ClientSampleId :

Tot Ion: 56 Resp: 37672

Ion Ratio Lower Upper

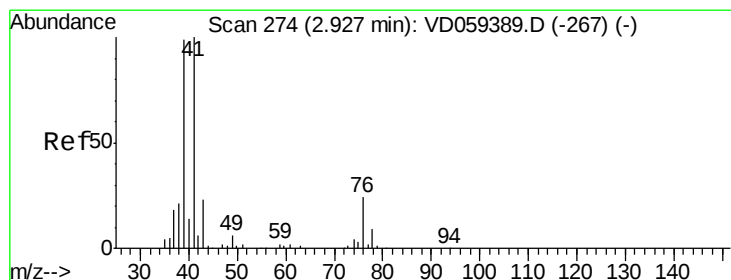
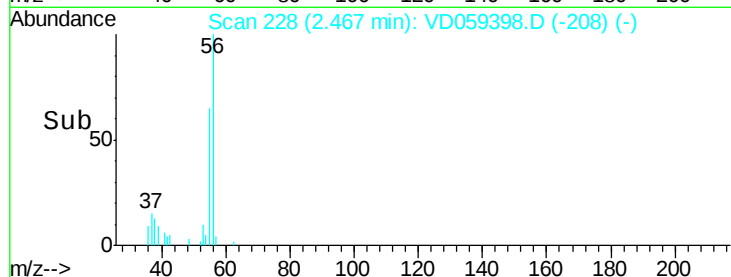
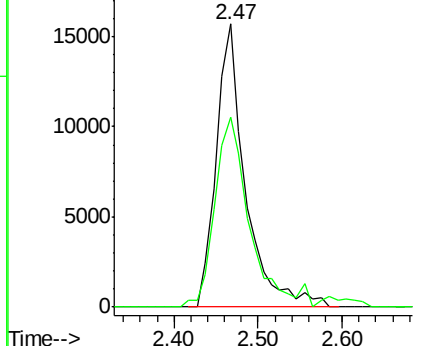
56 100

55 66.9 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 25.913 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

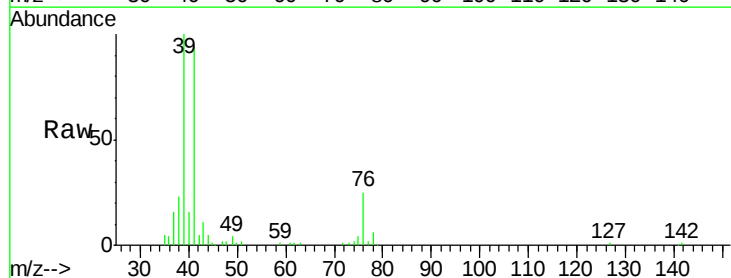
Tgt Ion: 41 Resp: 161797

Ion Ratio Lower Upper

41 100

39 106.2 79.1 118.7

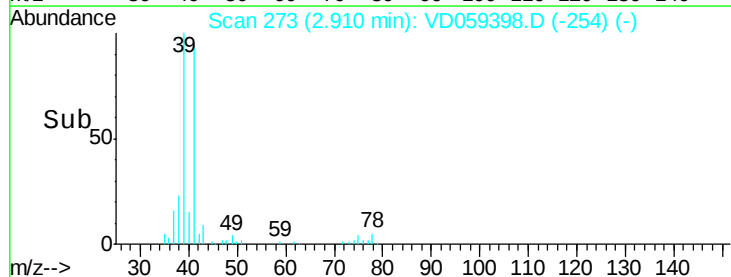
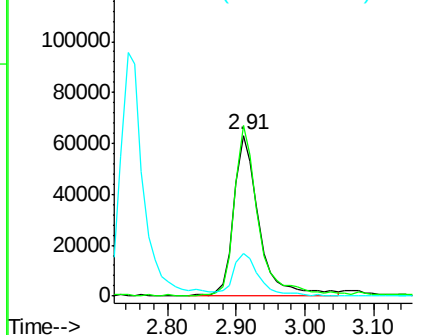
76 26.5 21.9 32.9

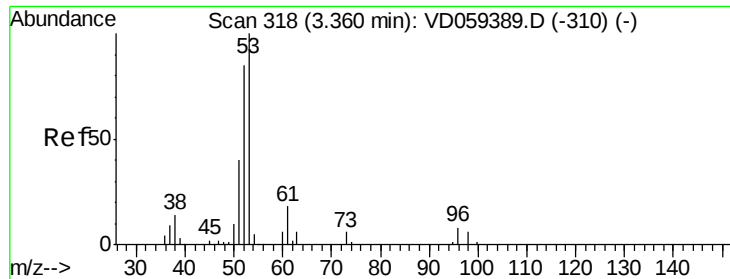


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 117.114 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :

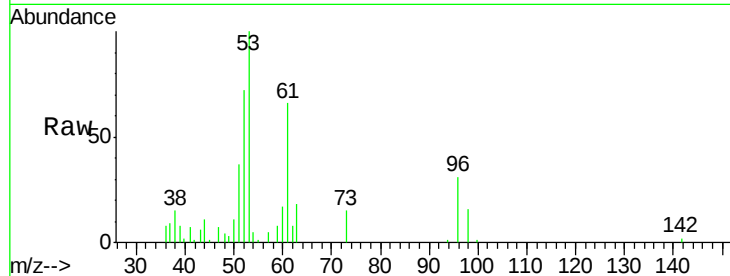
Tot Ion: 53 Resp: 105273

Ion Ratio Lower Upper

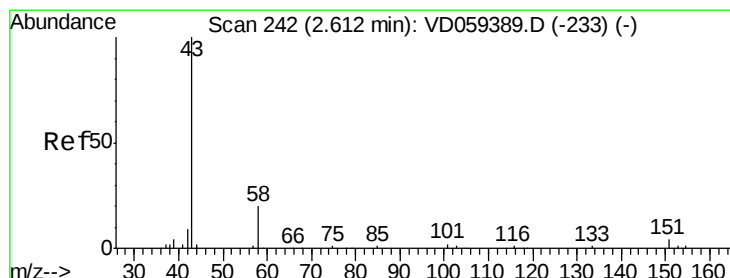
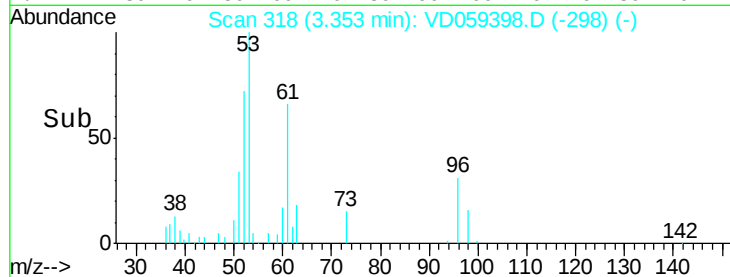
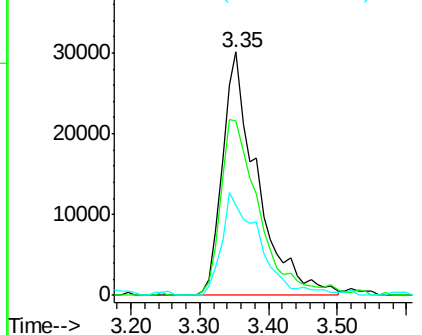
53 100

52 71.5 67.9 101.9

51 37.2 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: 132.596 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059398.D

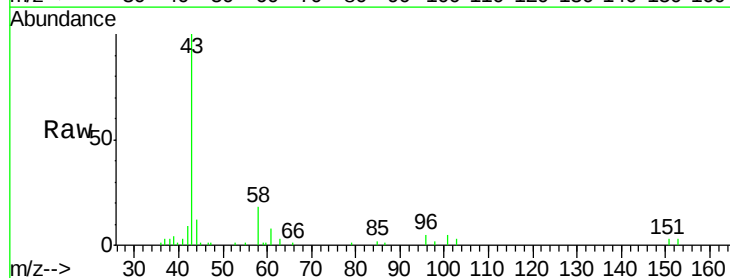
Acq: 25 Jun 2018 14:51

Tgt Ion: 43 Resp: 141680

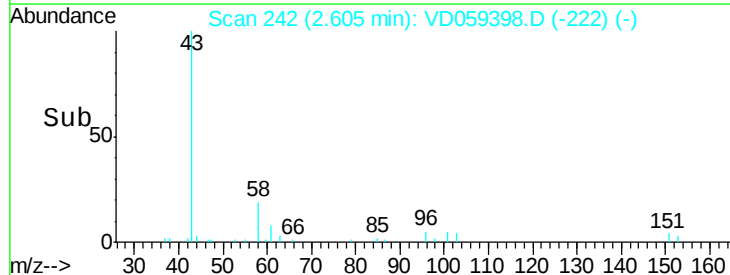
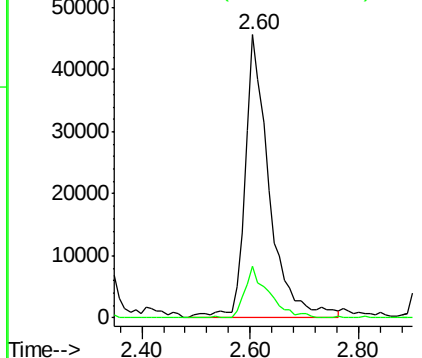
Ion Ratio Lower Upper

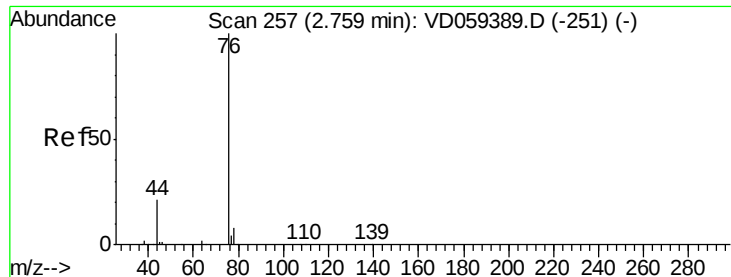
43 100

58 18.1 16.8 25.2



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





#17

Carbon Disulfide

Concen: 26.537 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

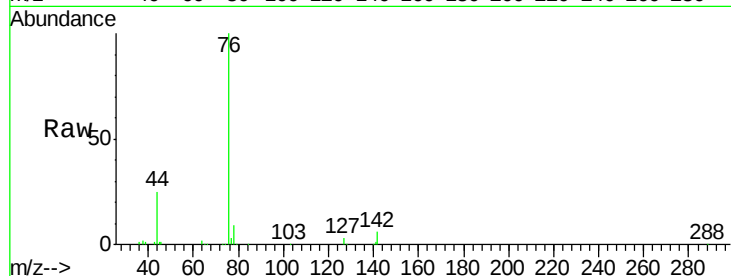
ClientSampleId :

Tot Ion: 76 Resp: 221707

Ion Ratio Lower Upper

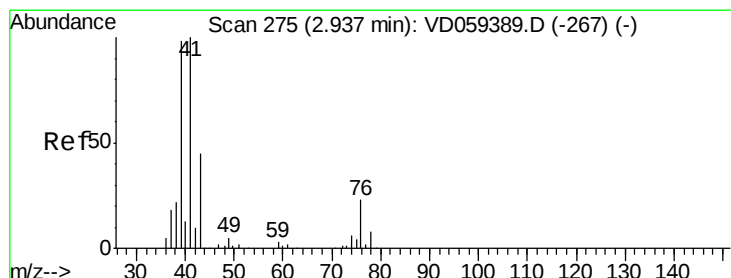
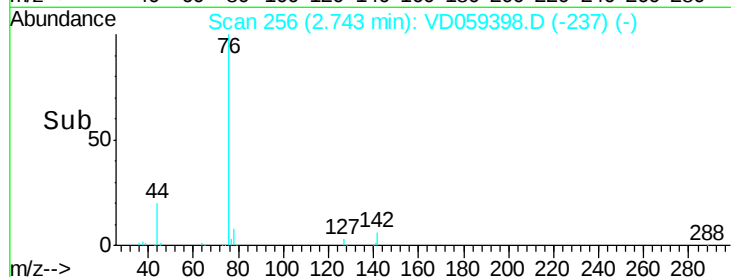
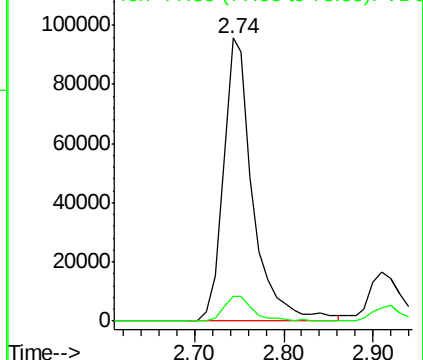
76 100

78 8.7 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.790 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD059398.D

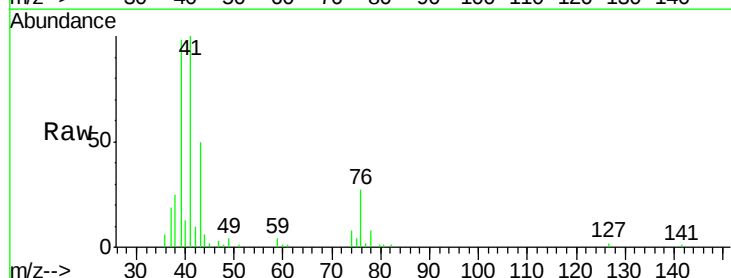
Acq: 25 Jun 2018 14:51

Tgt Ion: 43 Resp: 48713

Ion Ratio Lower Upper

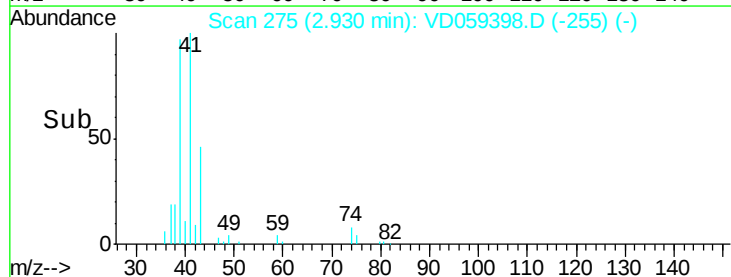
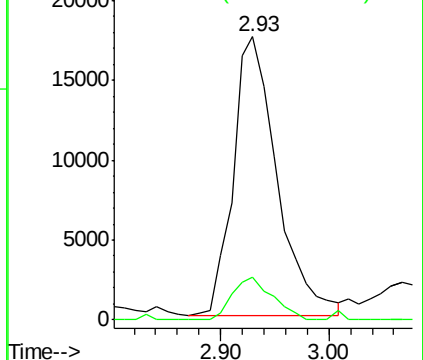
43 100

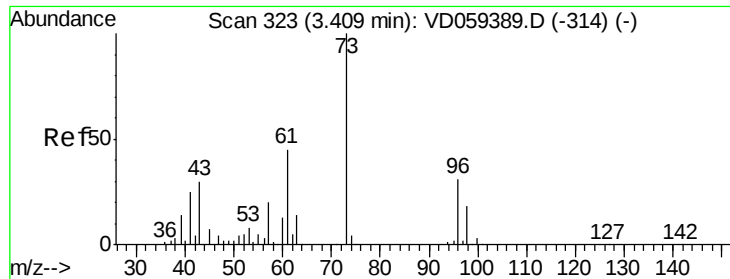
74 15.3 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

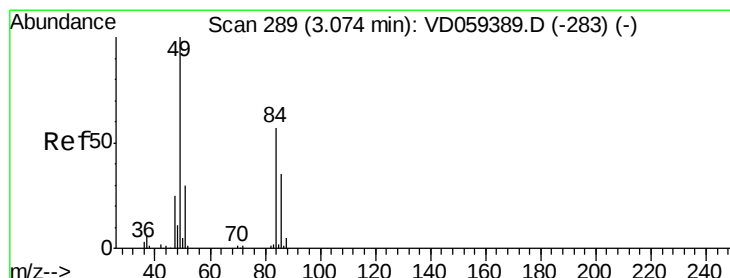
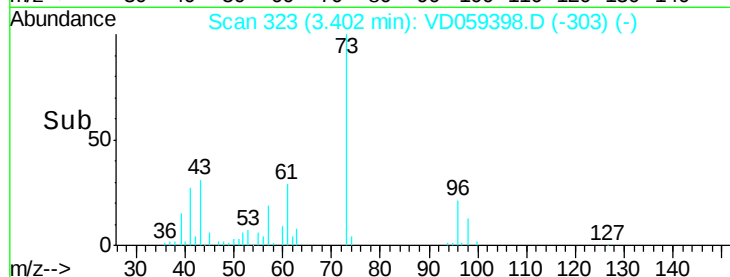
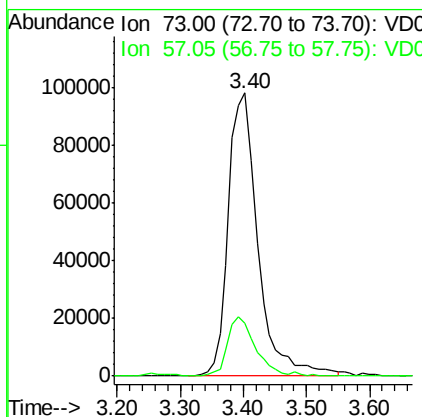
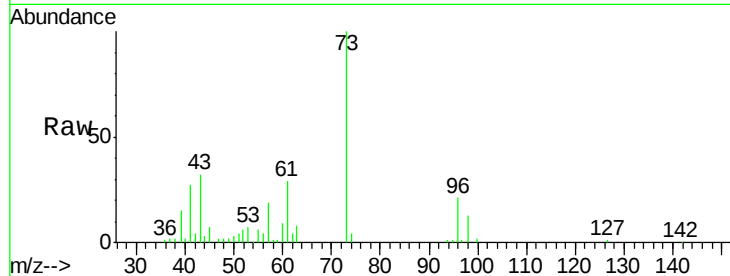




#19
Methyl tert-butyl Ether
Concen: 23.778 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

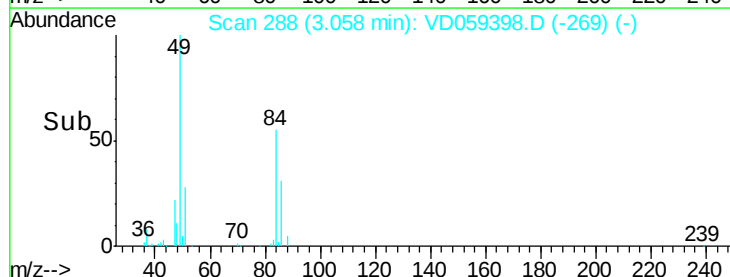
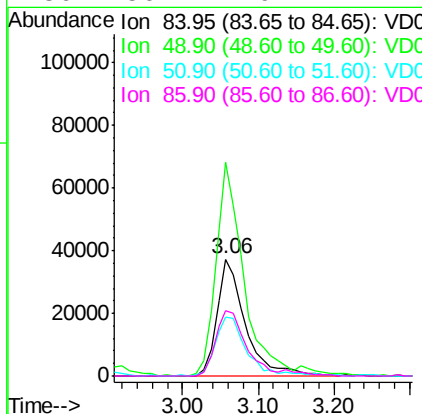
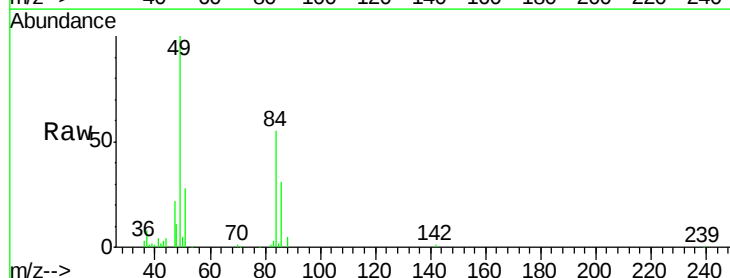
Instrument :
MSVOA_D
ClientSampled :

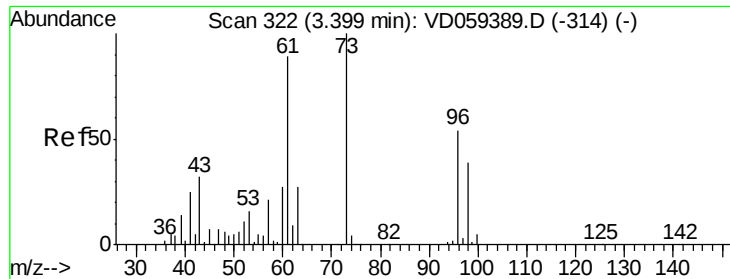
Tot Ion: 73 Resp: 319268
Ion Ratio Lower Upper
73 100
57 18.8 16.1 24.1



#20
Methylene Chloride
Concen: 31.906 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 84 Resp: 97223
Ion Ratio Lower Upper
84 100
49 182.9 140.3 210.5
51 51.0 41.6 62.4
86 56.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 26.702 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :

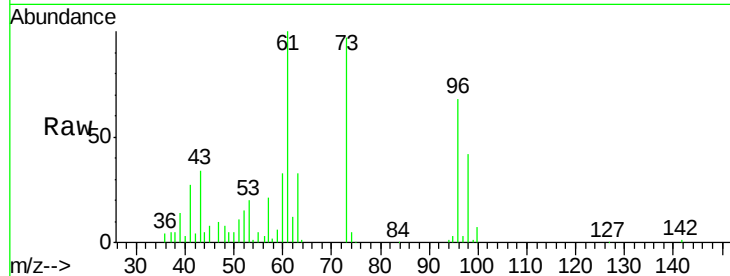
Tot Ion: 96 Resp: 128789

Ion Ratio Lower Upper

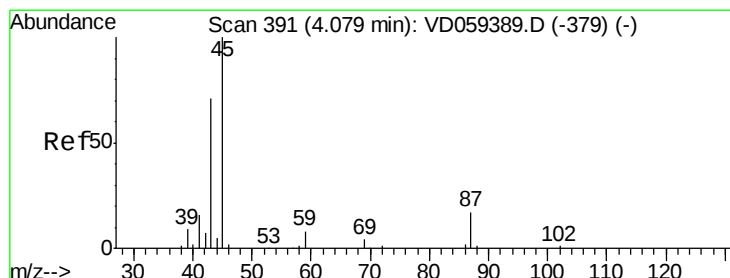
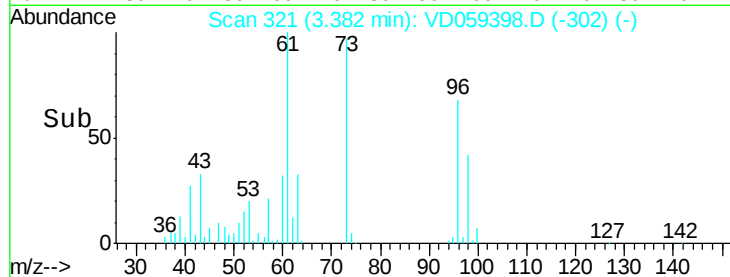
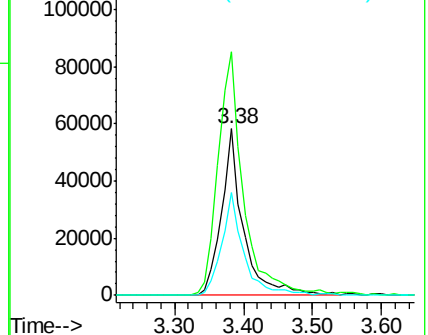
96 100

61 146.4 131.0 196.4

98 61.7 56.8 85.2



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



#22

Diisopropyl ether

Concen: 23.852 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Tgt Ion: 45 Resp: 560339

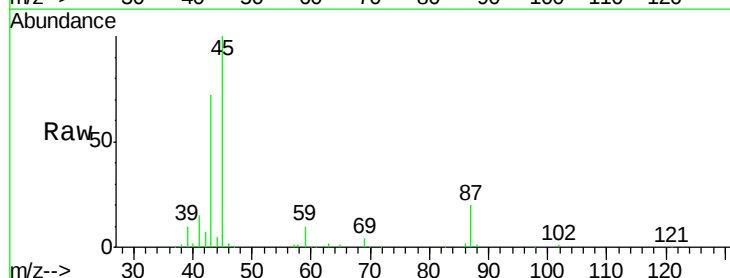
Ion Ratio Lower Upper

45 100

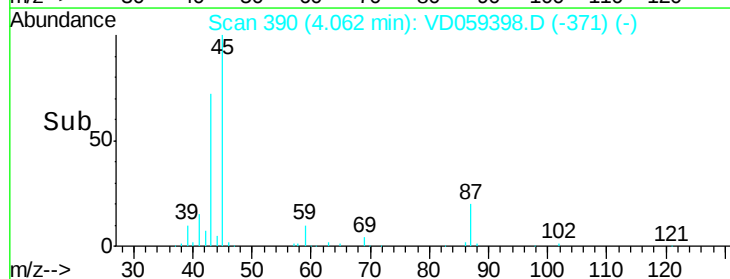
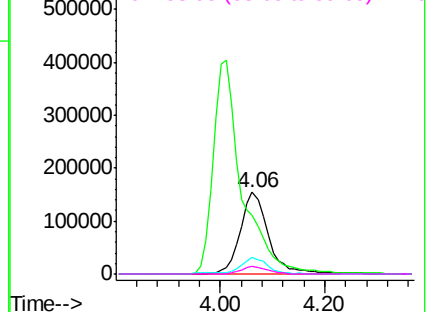
43 72.2 56.9 85.3

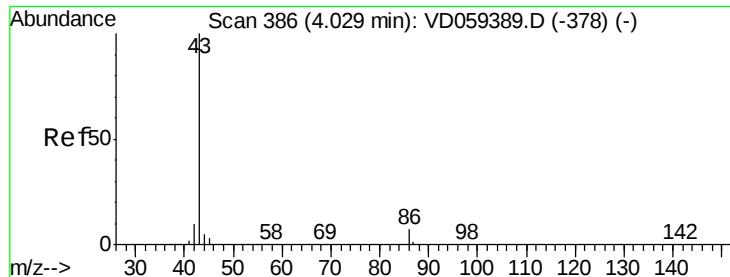
87 19.8 14.2 21.4

59 10.0 7.0 10.4



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: 124.785 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

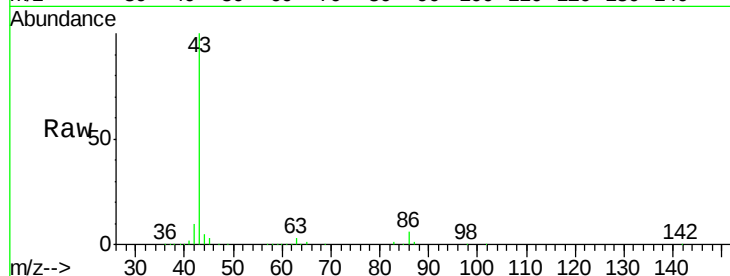
ClientSampled :

Tot Ion: 43 Resp: 1527377

Ion Ratio Lower Upper

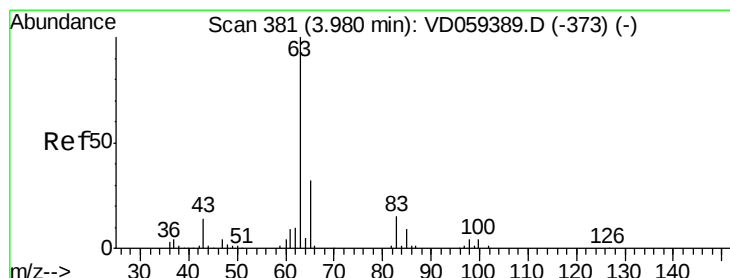
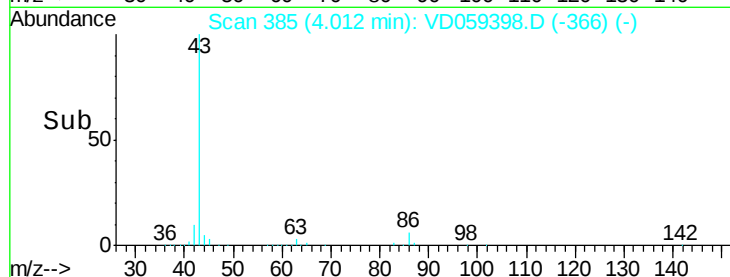
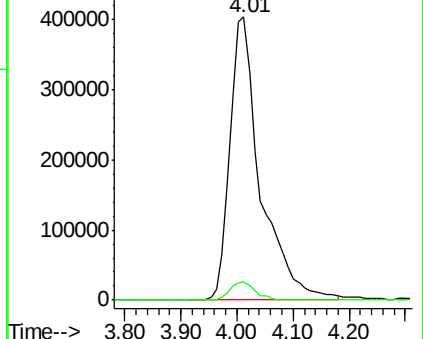
43 100

86 6.5 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 24.700 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

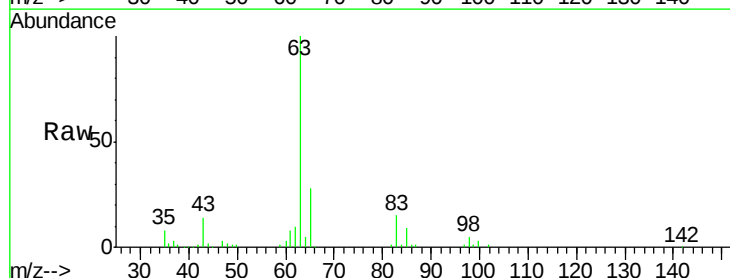
Tgt Ion: 63 Resp: 332039

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.5

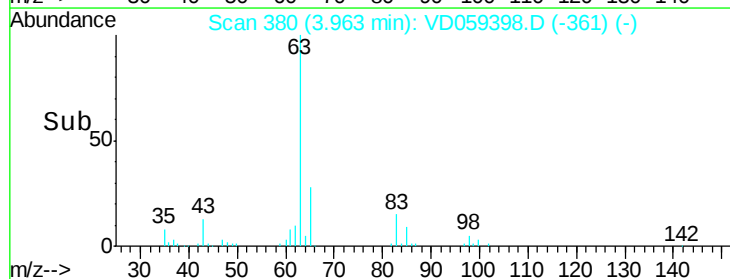
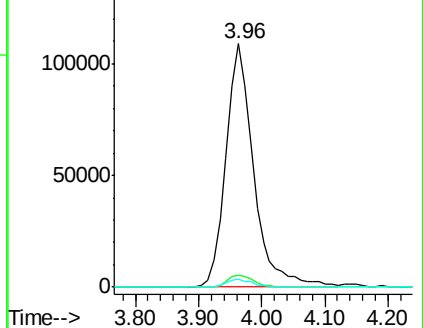
100 3.2 1.8 5.5

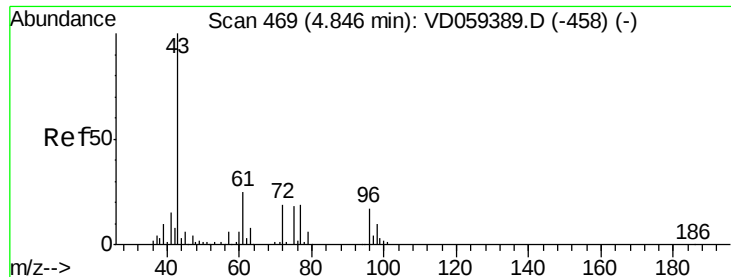


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 119.905 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

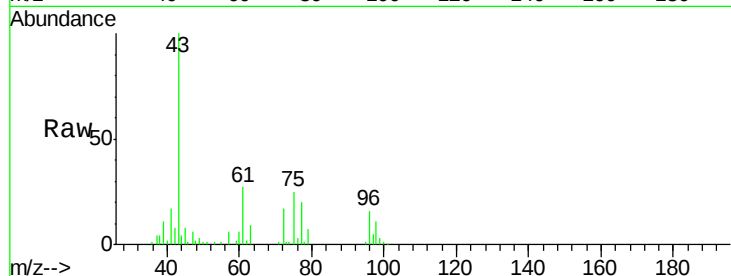
ClientSampleId :

Tot Ion: 43 Resp: 268385

Ion Ratio Lower Upper

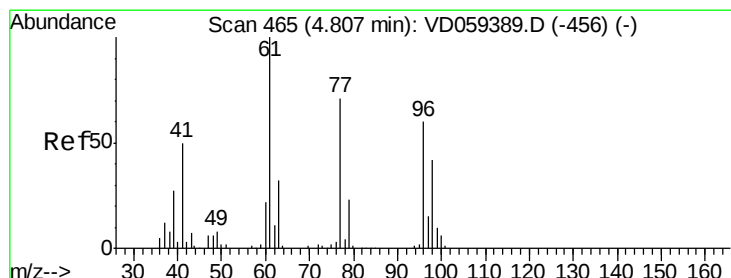
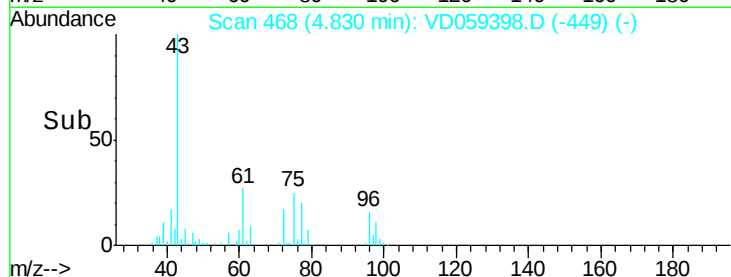
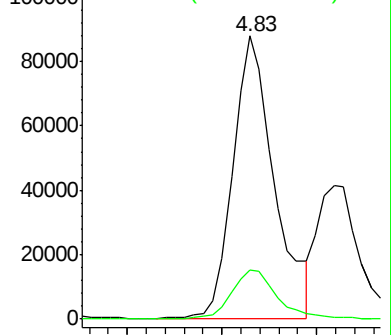
43 100

72 17.2 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 27.206 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059398.D

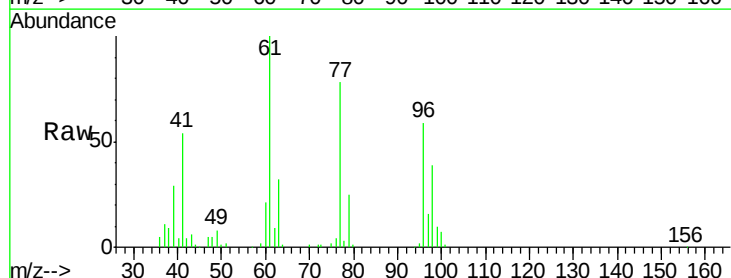
Acq: 25 Jun 2018 14:51

Tgt Ion: 77 Resp: 283618

Ion Ratio Lower Upper

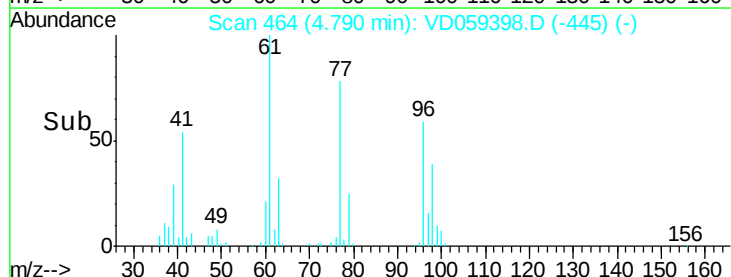
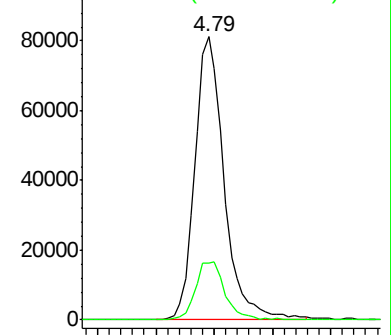
77 100

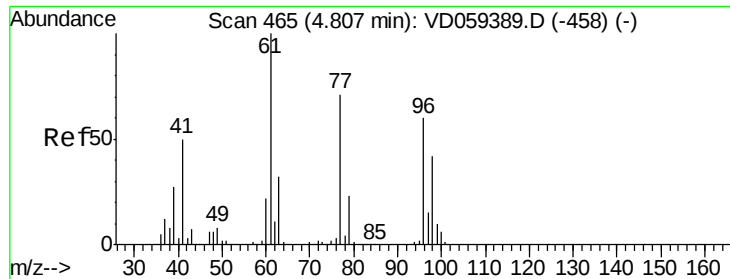
97 20.2 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



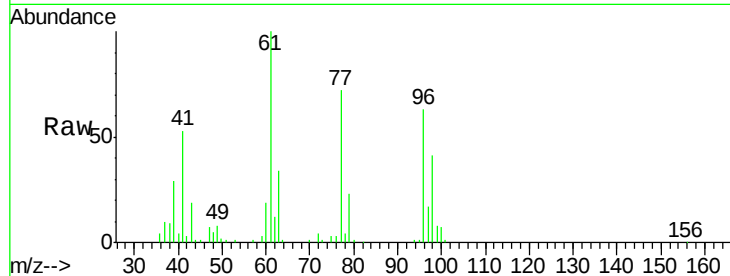


#27

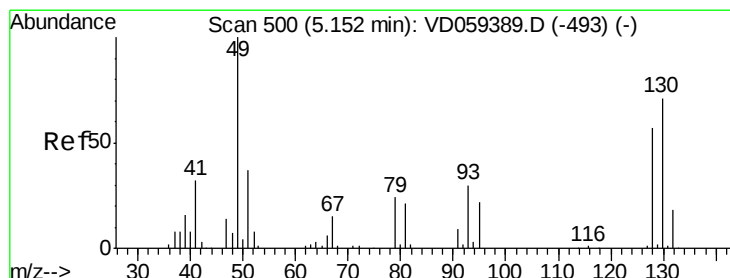
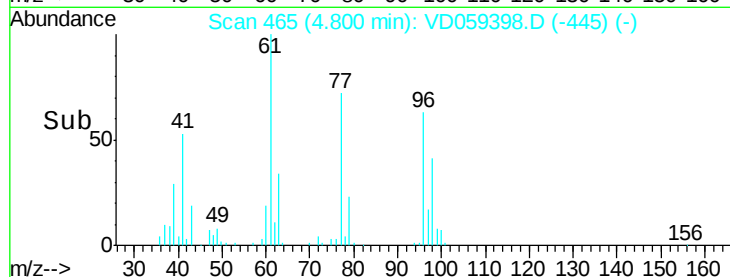
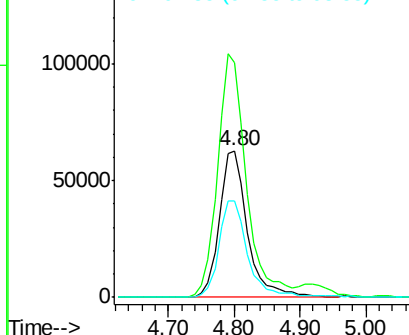
cis-1,2-Dichloroethene
Concen: 23.108 ug/l
RT: 4.80 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 187293
Ion Ratio Lower Upper
96 100
61 159.7 0.0 335.8
98 66.0 0.0 141.0



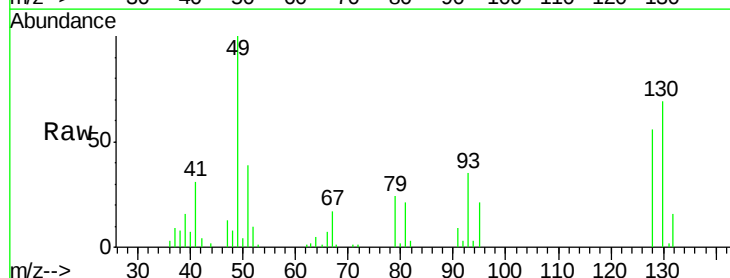
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



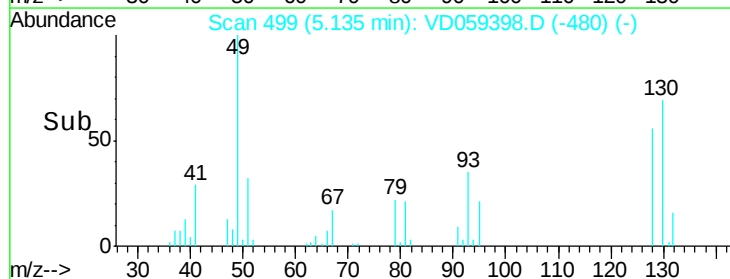
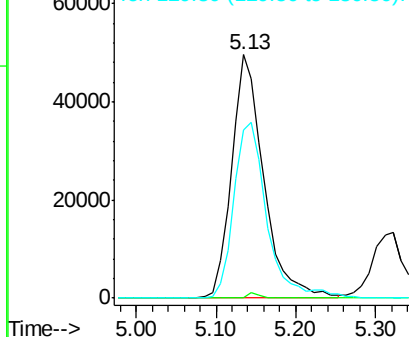
#28

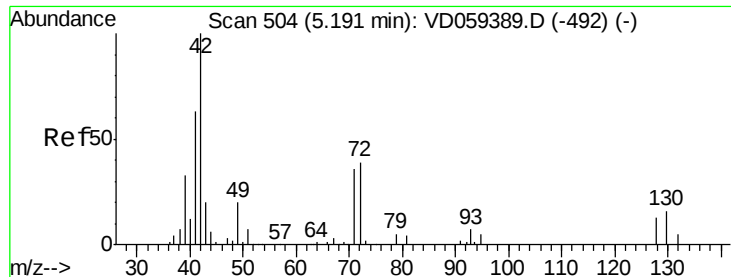
Bromochloromethane
Concen: 23.886 ug/l
RT: 5.13 min Scan# 499
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 49 Resp: 139205
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 69.0 57.0 85.6



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

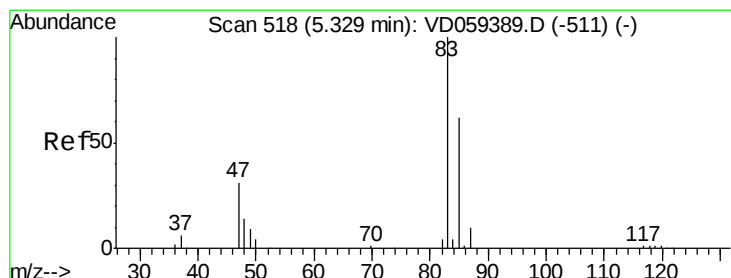
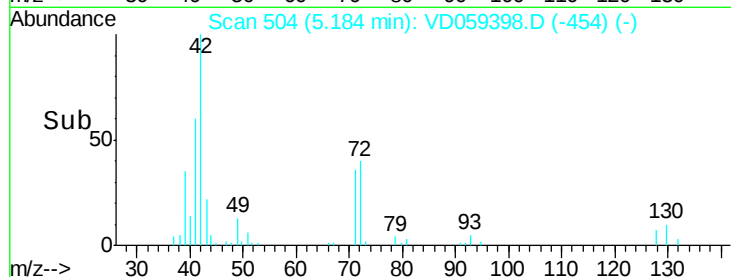
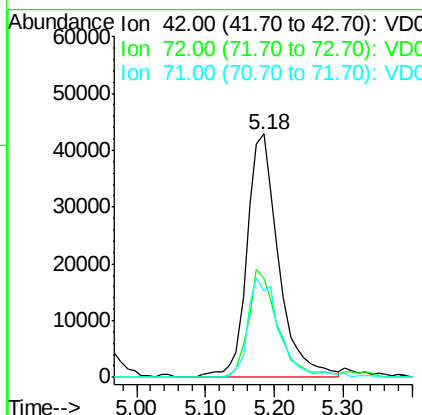
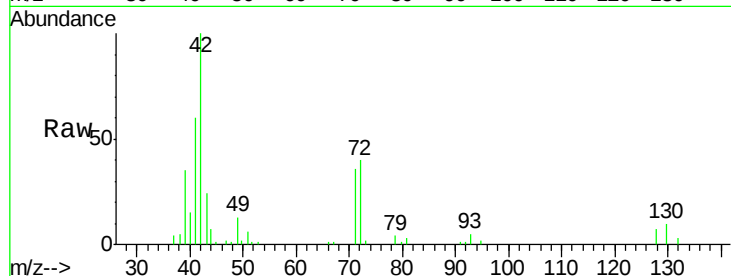




#29
Tetrahydrofuran
Concen: 112.068 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

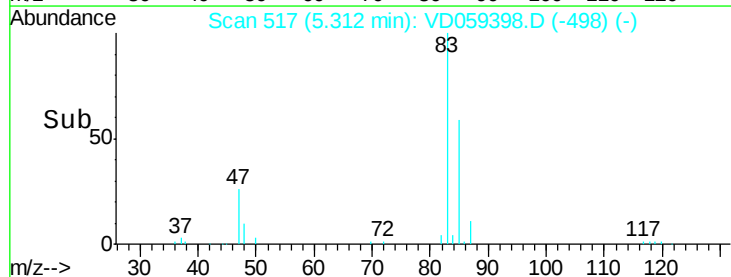
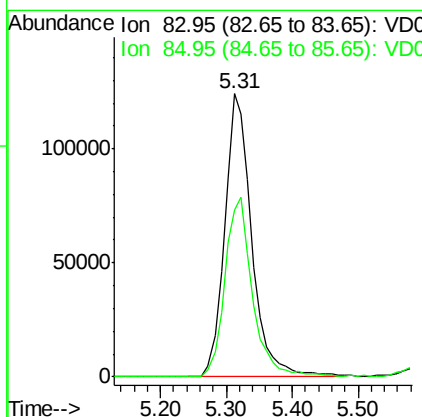
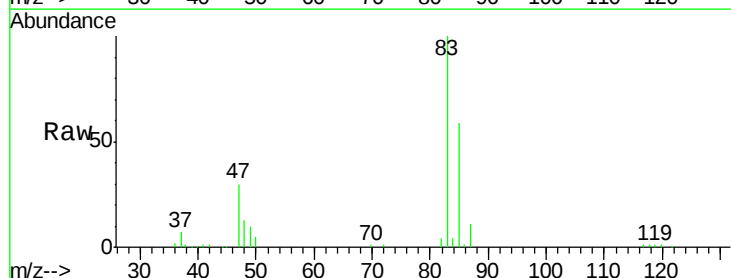
Instrument :
MSVOA_D
ClientSampleId :

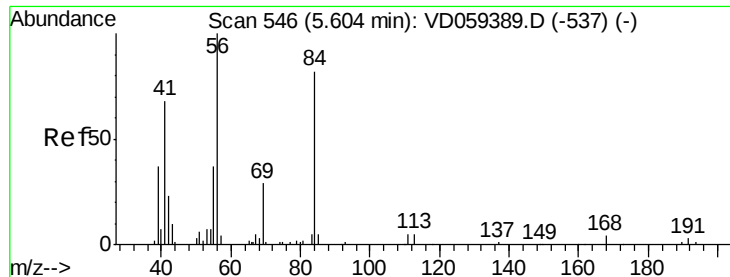
Tot Ion: 42 Resp: 137208
Ion Ratio Lower Upper
42 100
72 41.0 31.4 47.2
71 40.5 29.7 44.5



#30
Chloroform
Concen: 24.300 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 83 Resp: 356043
Ion Ratio Lower Upper
83 100
85 58.9 49.3 73.9

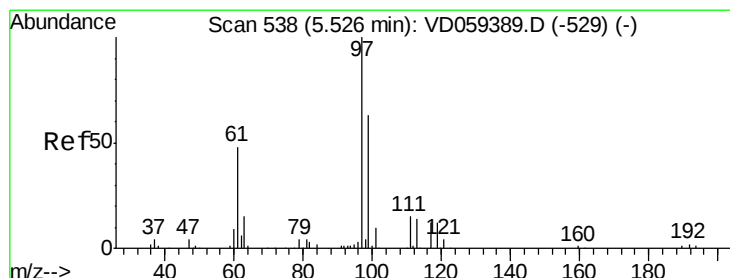
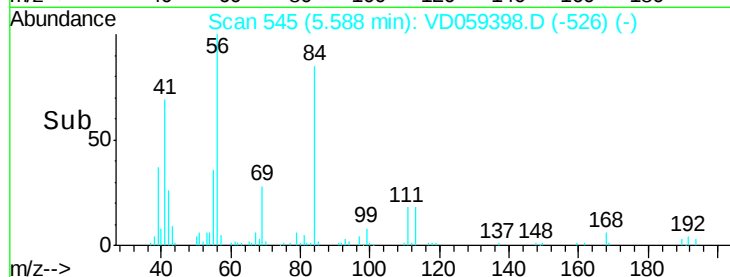
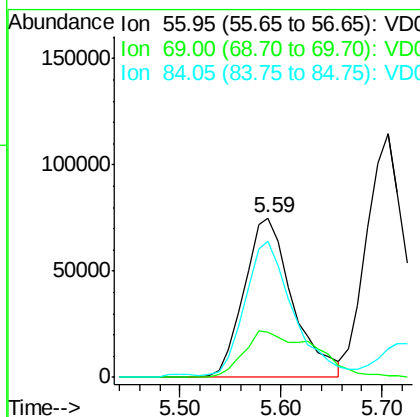
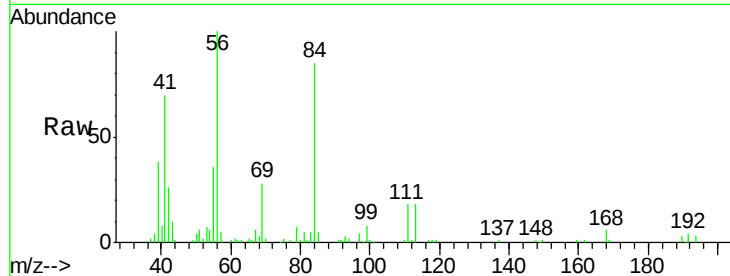




#31
Cyclohexane
Concen: 26.432 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

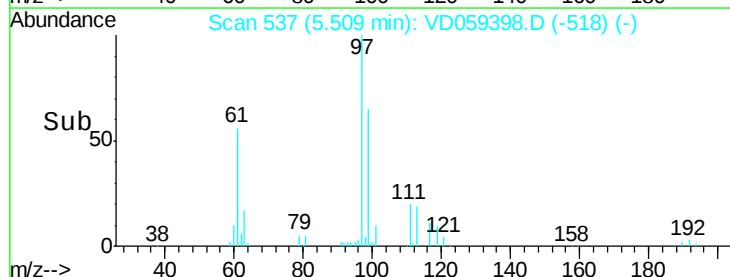
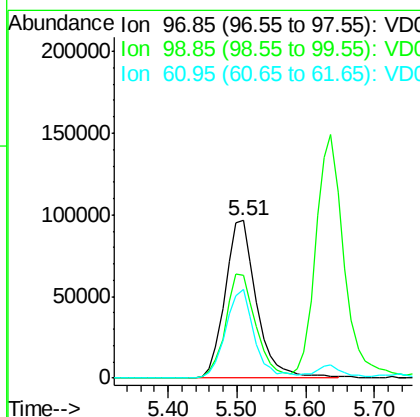
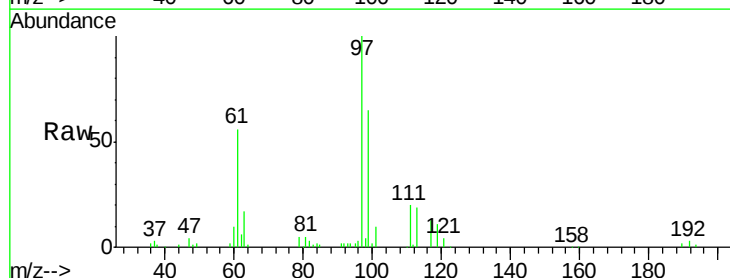
Instrument :
MSVOA_D
ClientSampleId :

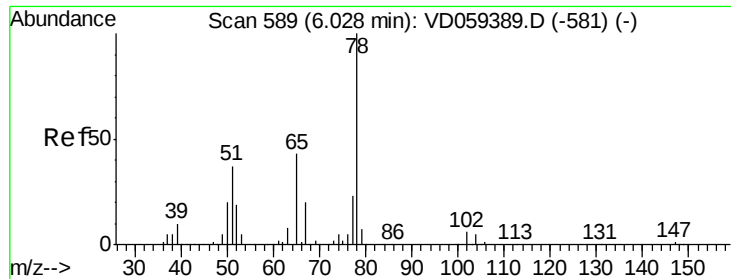
Tot Ion: 56 Resp: 250767
Ion Ratio Lower Upper
56 100
69 28.3 22.9 34.3
84 85.3 67.3 100.9



#32
1,1,1-Trichloroethane
Concen: 25.668 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 97 Resp: 304544
Ion Ratio Lower Upper
97 100
99 65.2 50.2 75.4
61 56.0 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 25.668 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

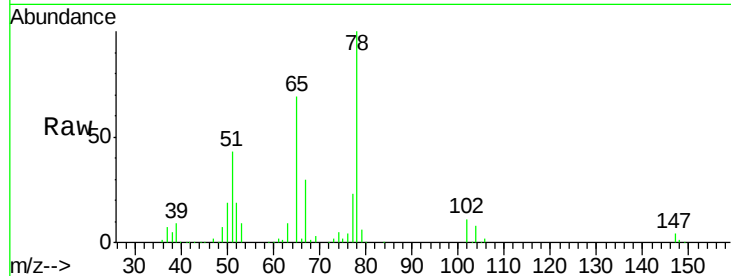
ClientSampleId :

Tot Ion: 65 Resp: 353185

Ion Ratio Lower Upper

65 100

67 43.7 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

150000

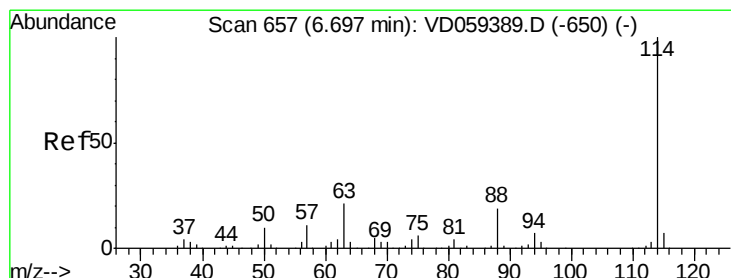
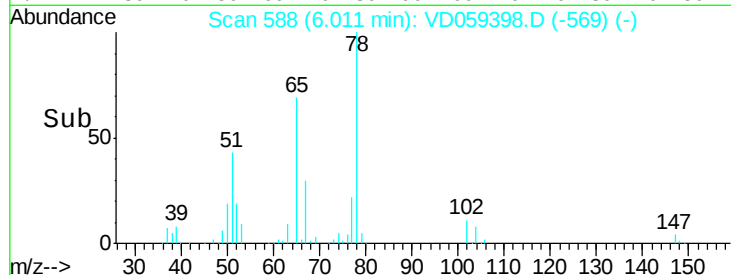
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

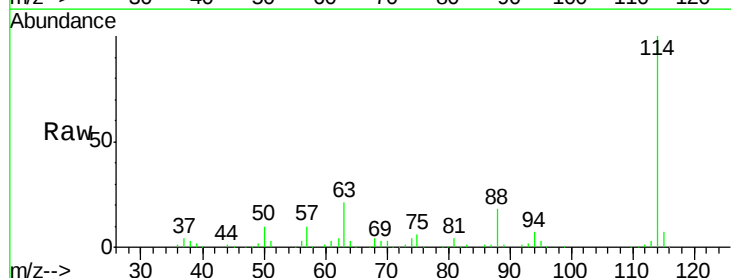
Tgt Ion: 114 Resp: 1076757

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 18.3 0.0 38.0



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

6.68

500000

400000

300000

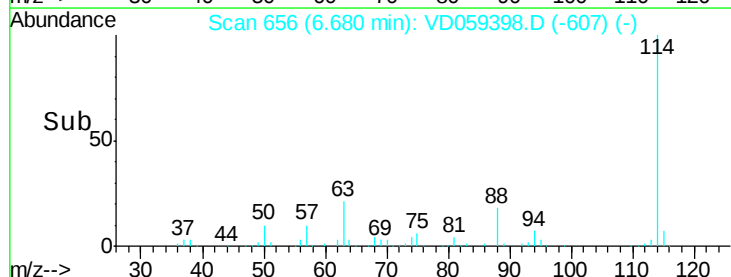
200000

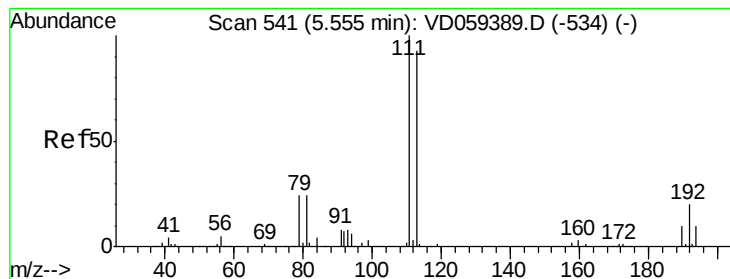
100000

0

6.50 6.60 6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

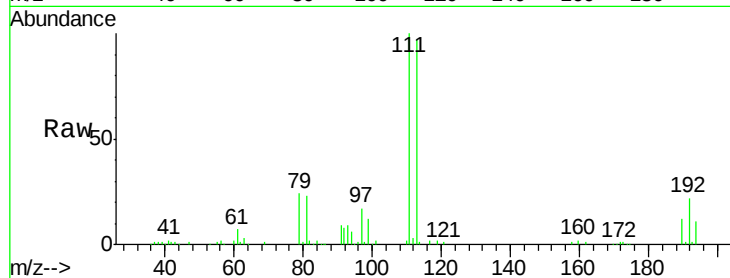
Tot Ion:113 Resp: 388708

Ion Ratio Lower Upper

113 100

111 103.5 85.7 128.5

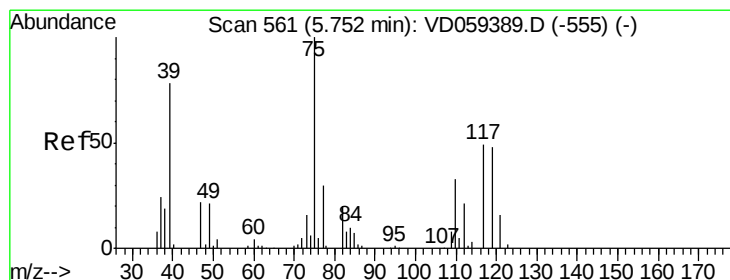
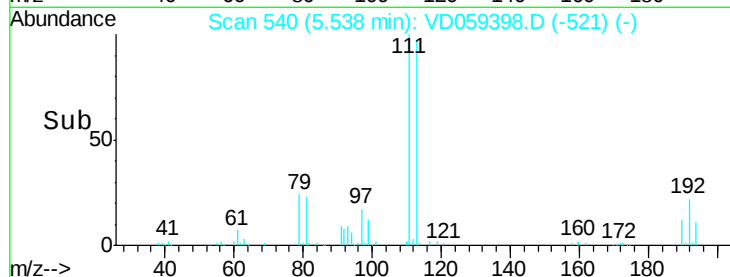
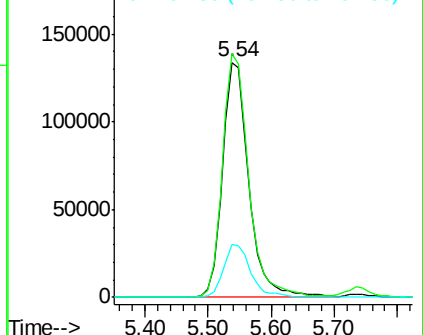
192 22.3 16.9 25.3



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: 24.594 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

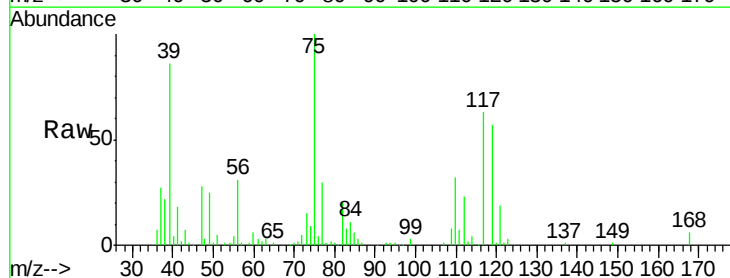
Tgt Ion: 75 Resp: 240226

Ion Ratio Lower Upper

75 100

110 32.3 16.1 48.2

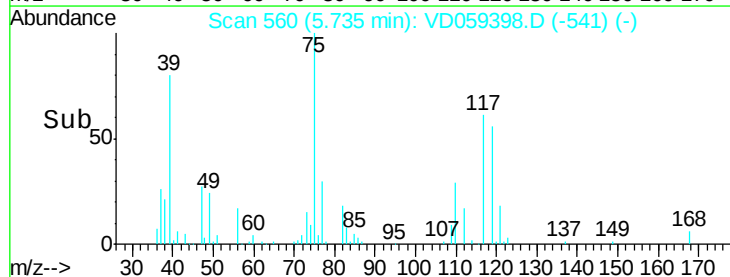
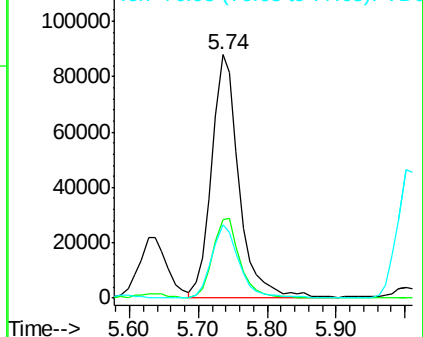
77 30.4 23.4 35.2

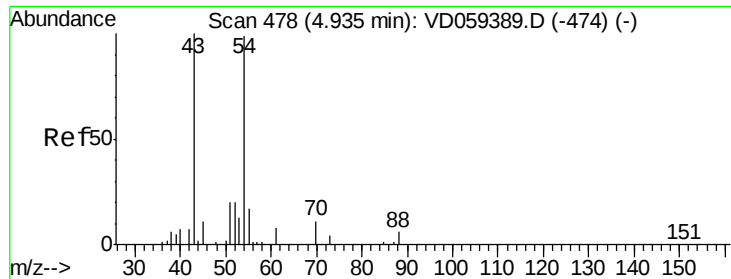


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

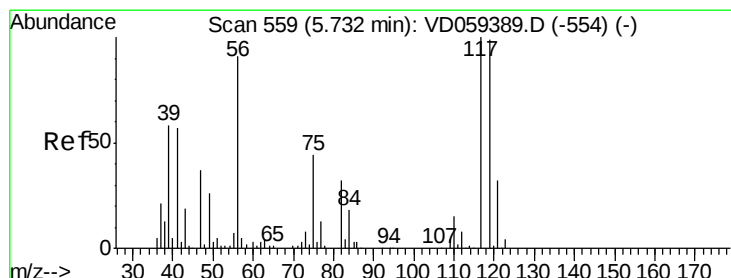
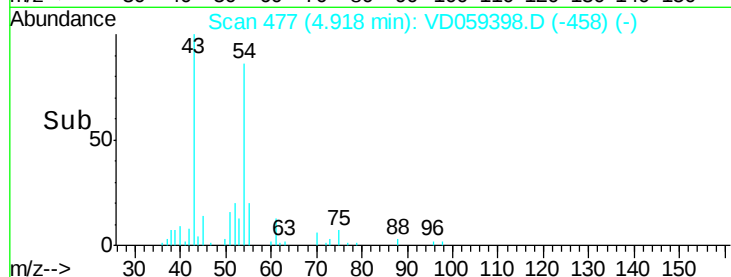
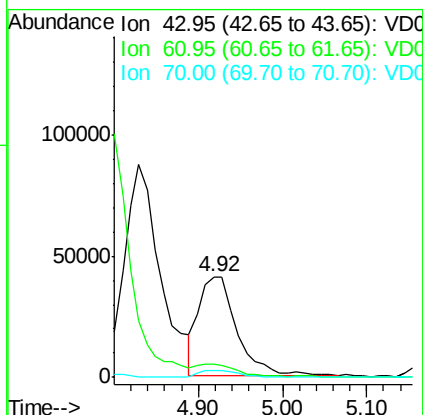
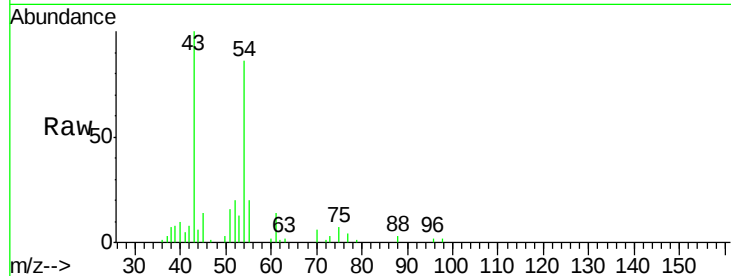




#37
Ethyl Acetate
Concen: 21.530 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

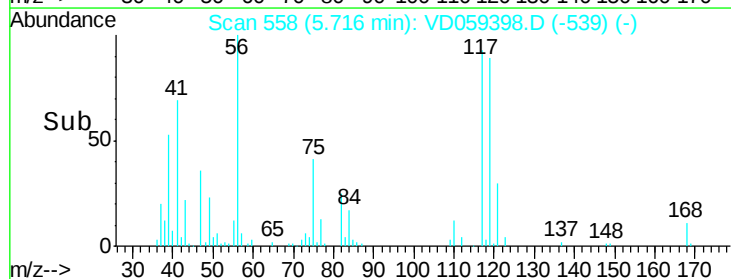
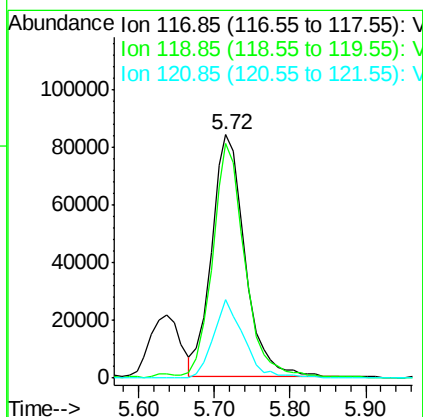
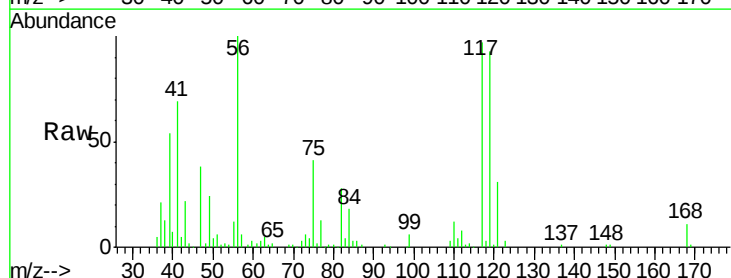
Instrument :
MSVOA_D
ClientSampleId :

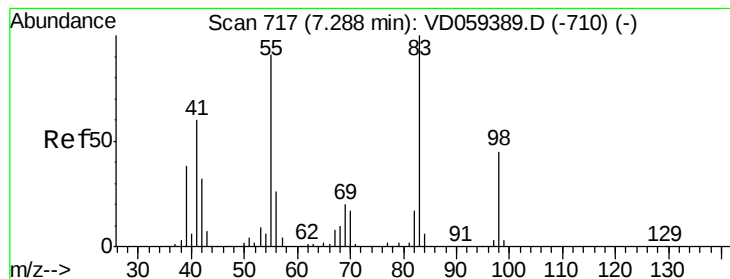
Tot Ion: 43 Resp: 128073
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.8
70 6.4 6.1 9.1



#38
Carbon Tetrachloride
Concen: 25.564 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 117 Resp: 257451
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0
121 32.4 25.0 37.4





#39

Methvlcvclohexane

Concen: 25.541 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

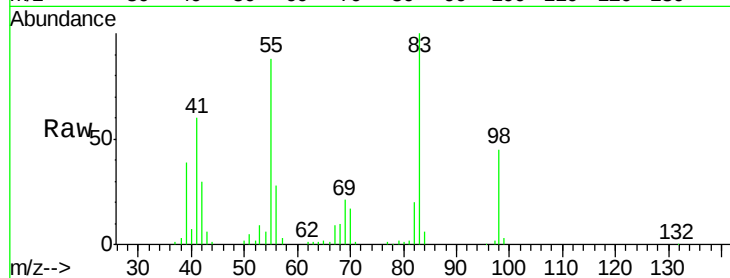
Tot Ion: 83 Resp: 236619

Ion Ratio Lower Upper

83 100

55 87.8 72.6 109.0

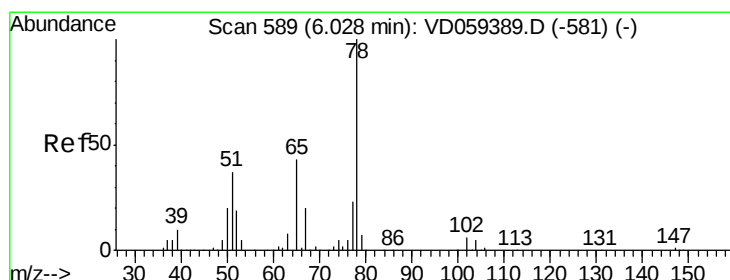
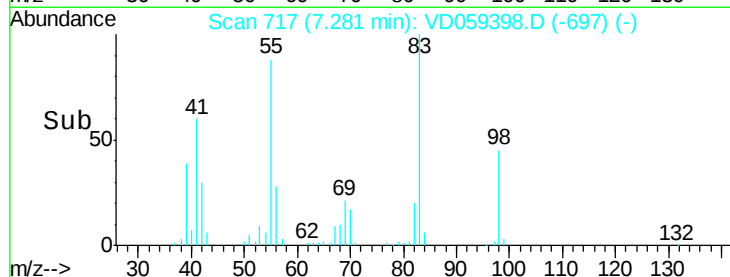
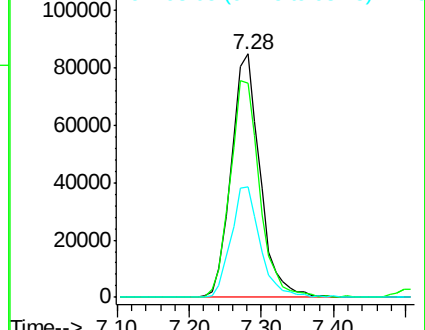
98 45.2 35.8 53.6



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: 24.204 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.02 min

Lab File: VD059398.D

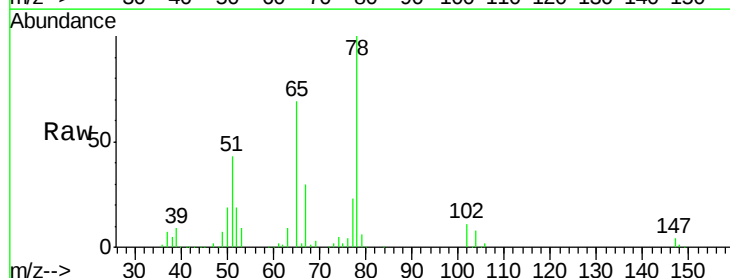
Acq: 25 Jun 2018 14:51

Tgt Ion: 78 Resp: 567337

Ion Ratio Lower Upper

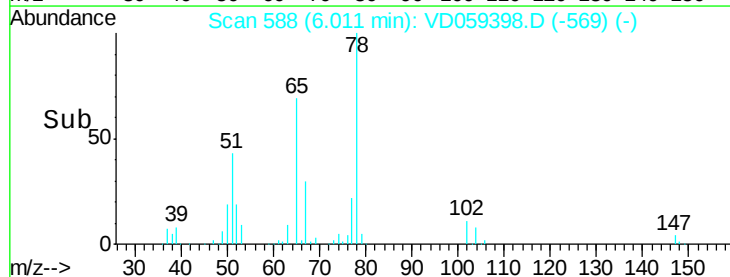
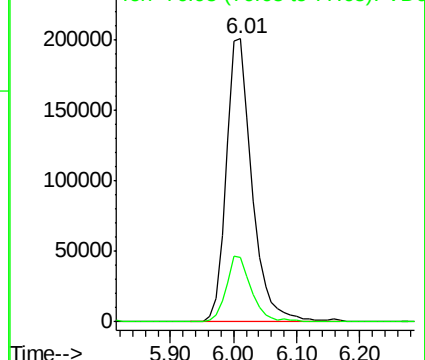
78 100

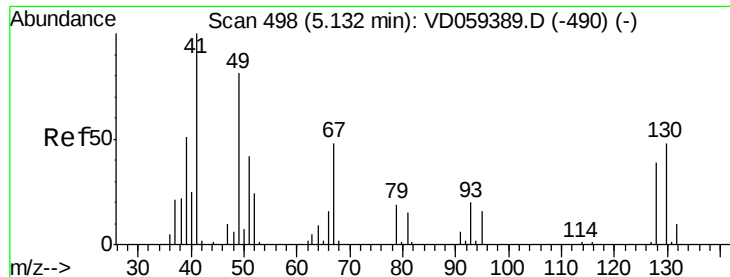
77 22.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 24.299 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 69621

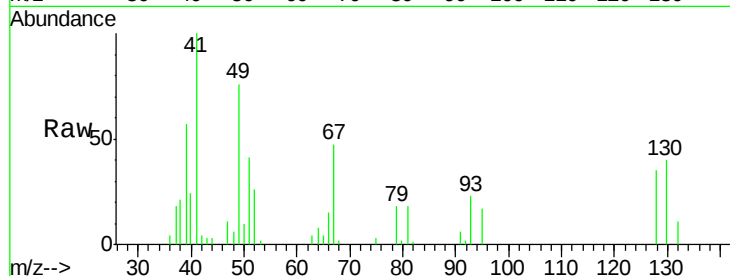
Ion Ratio Lower Upper

41 100

39 57.4 41.5 62.3

67 46.6 38.7 58.1

52 26.2 19.4 29.2

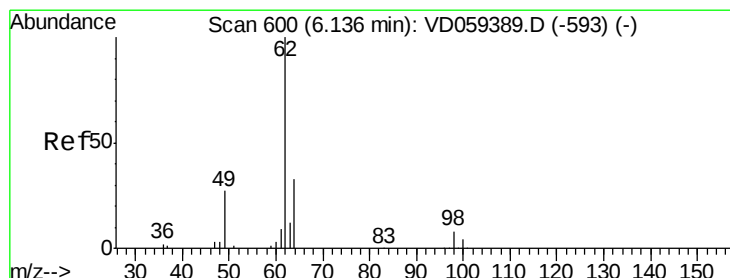
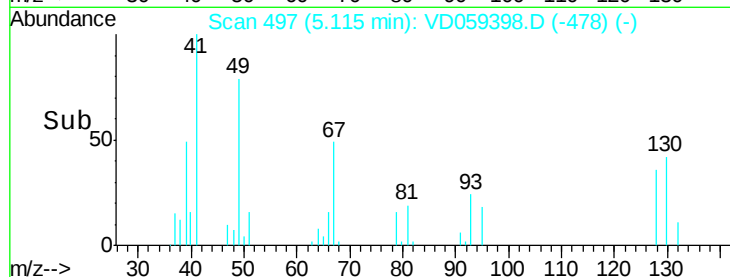
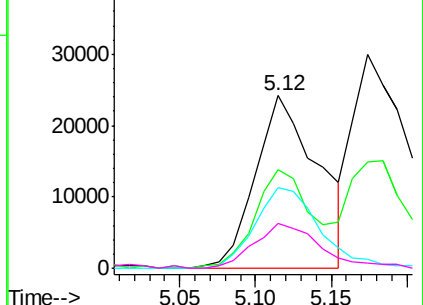


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 23.148 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD059398.D

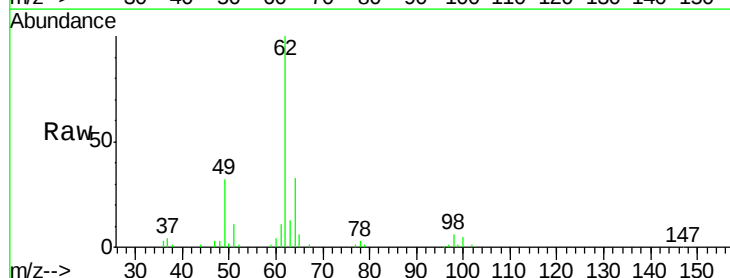
Acq: 25 Jun 2018 14:51

Tgt Ion: 62 Resp: 239749

Ion Ratio Lower Upper

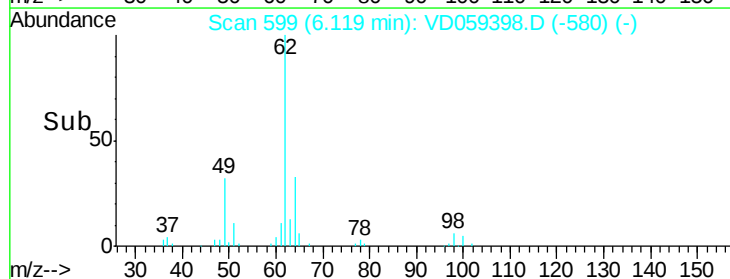
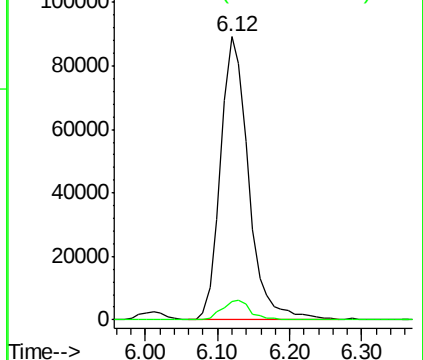
62 100

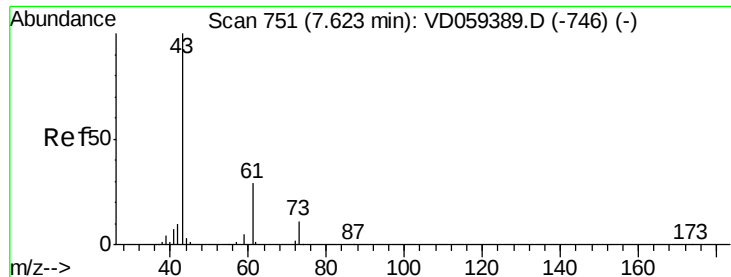
98 6.3 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



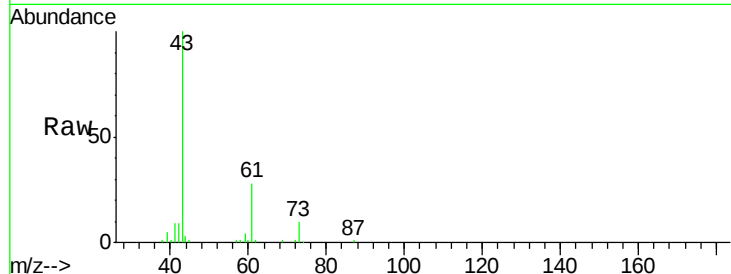


#43

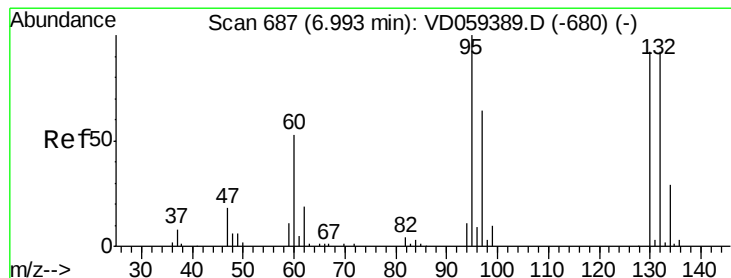
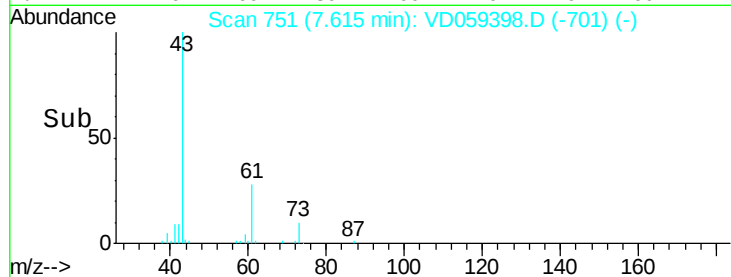
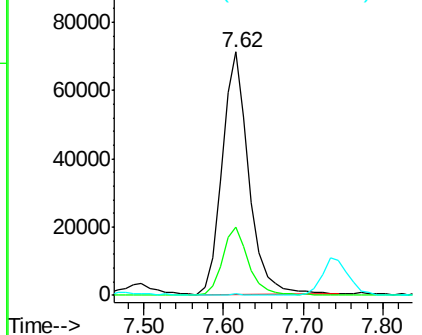
Isopropyl Acetate
 Concen: 22.258 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 166273
 Ion Ratio Lower Upper
 43 100
 61 27.8 23.1 34.7
 87 0.6 0.2 0.4#



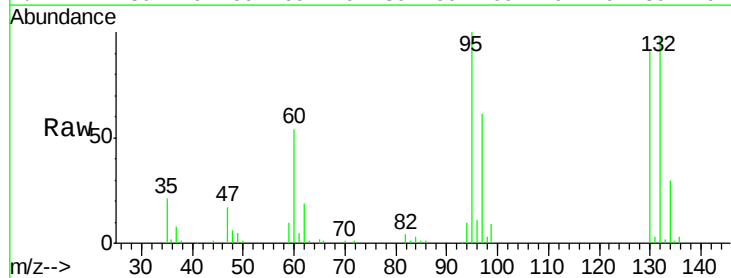
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



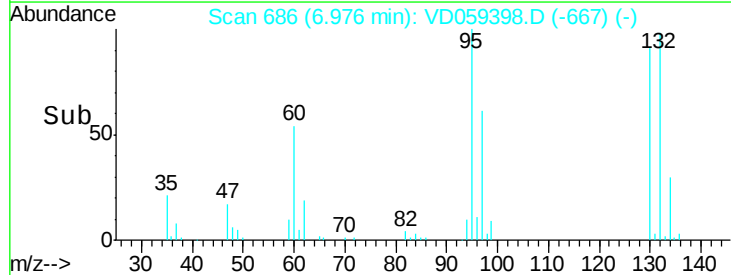
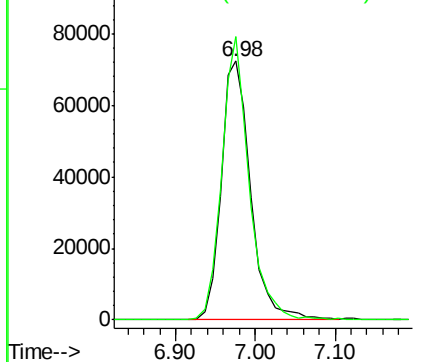
#44

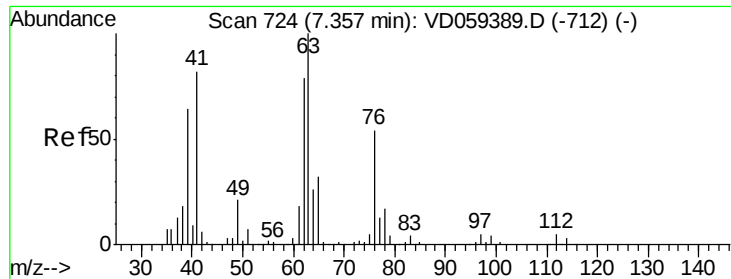
Trichloroethene
 Concen: 24.413 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Tgt Ion:130 Resp: 187365
 Ion Ratio Lower Upper
 130 100
 95 109.4 0.0 216.4



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





#45

1,2-Dichloropropane

Concen: 23.444 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

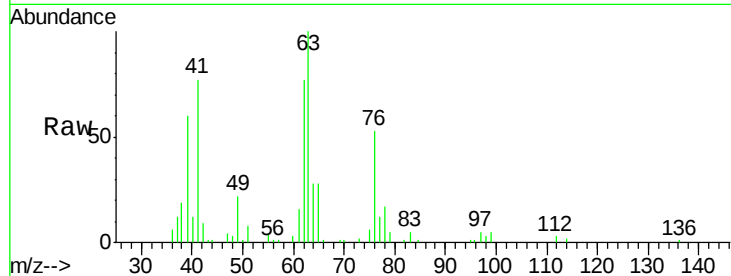
ClientSampleId :

Tot Ion: 63 Resp: 152203

Ion Ratio Lower Upper

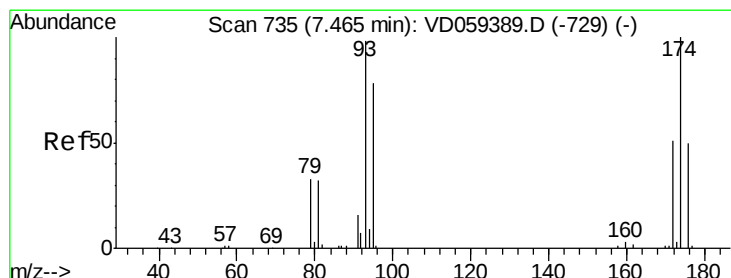
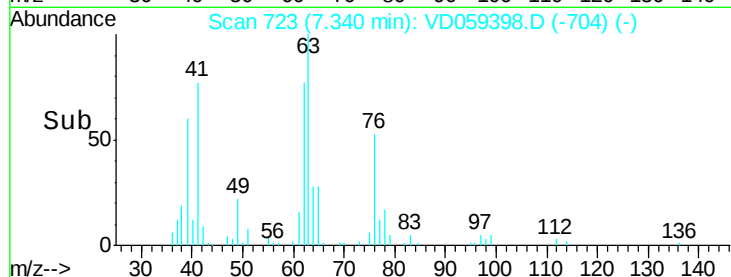
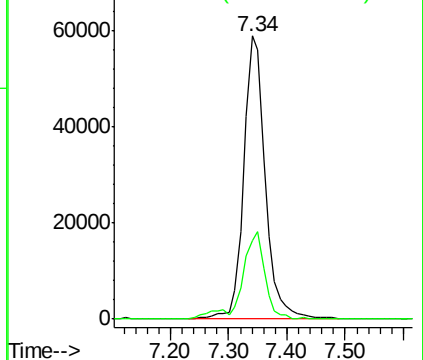
63 100

65 27.8 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.676 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

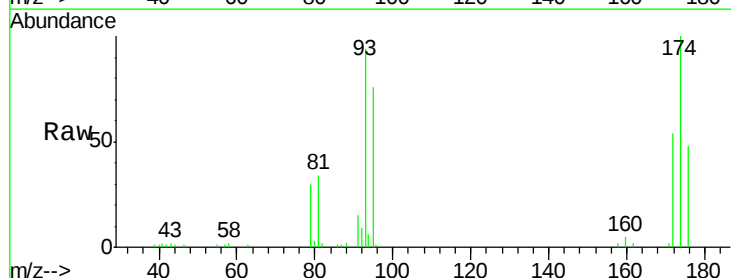
Tgt Ion: 93 Resp: 105870

Ion Ratio Lower Upper

93 100

95 81.5 63.4 95.0

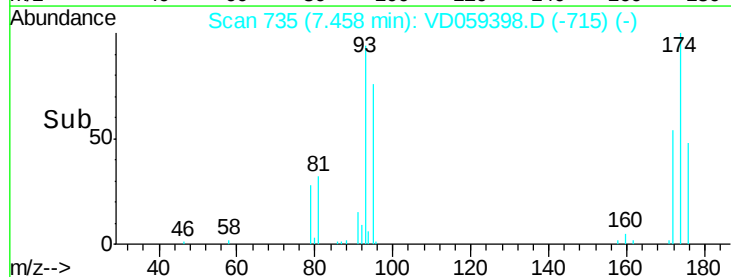
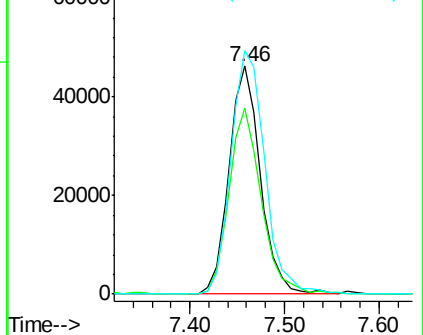
174 106.9 81.4 122.2

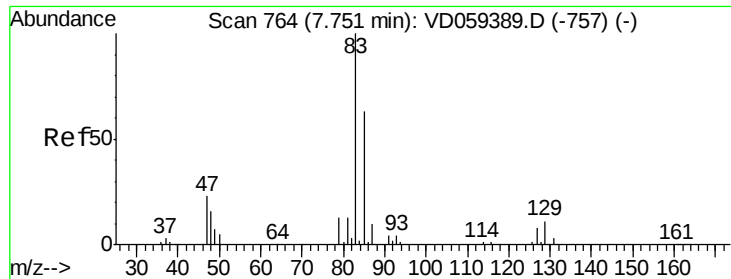


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 24.183 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampled :

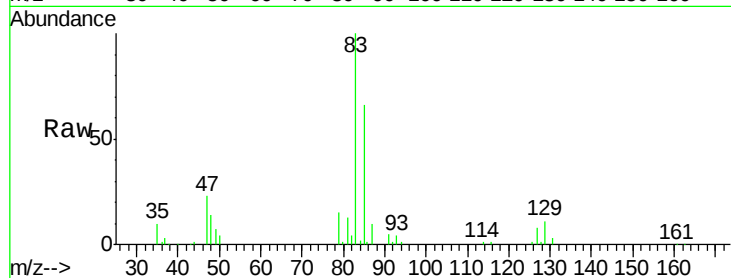
Tot Ion: 83 Resp: 252643

Ion Ratio Lower Upper

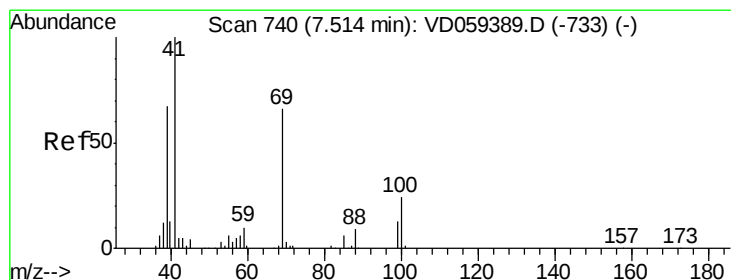
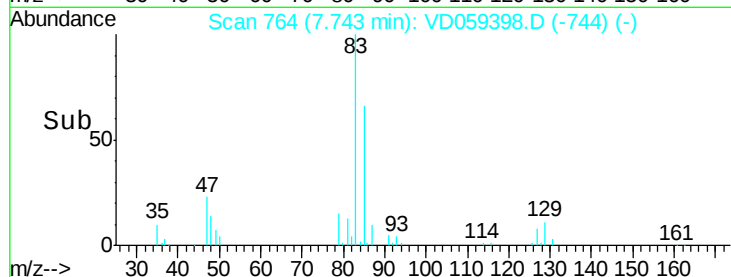
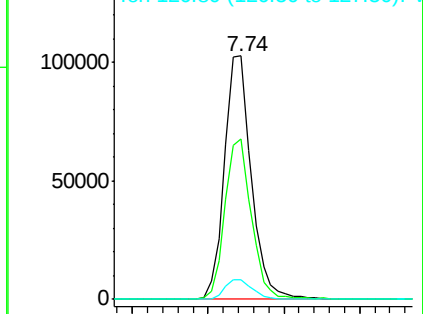
83 100

85 65.9 50.1 75.1

127 7.8 6.1 9.1



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): V



#48

Methyl methacrylate

Concen: 22.783 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

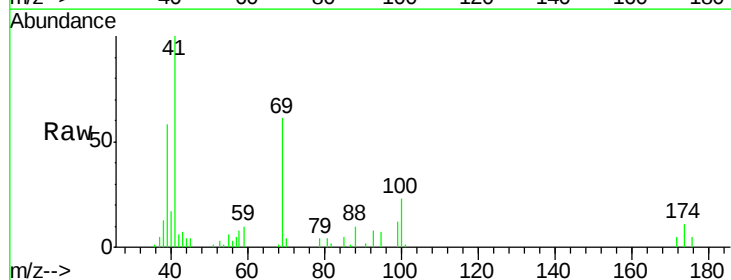
Tgt Ion: 41 Resp: 103688

Ion Ratio Lower Upper

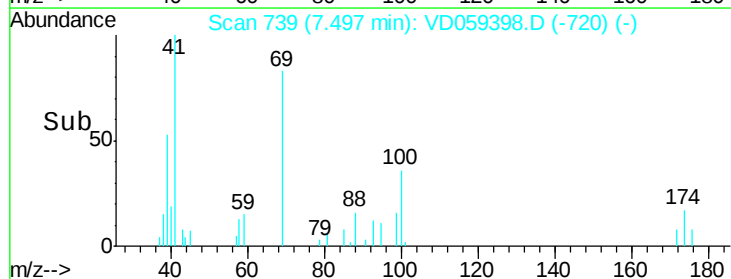
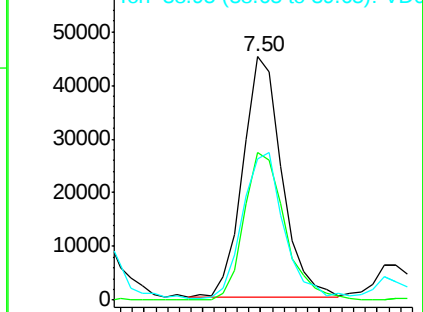
41 100

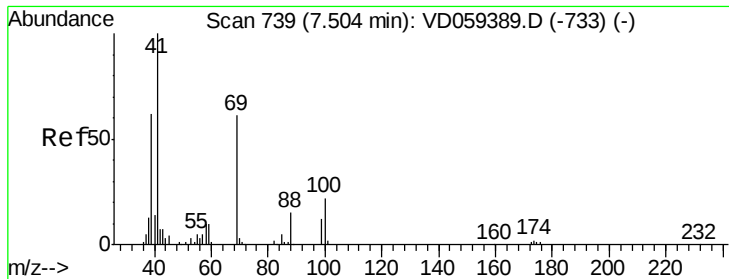
69 60.8 52.6 79.0

39 57.9 53.6 80.4



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

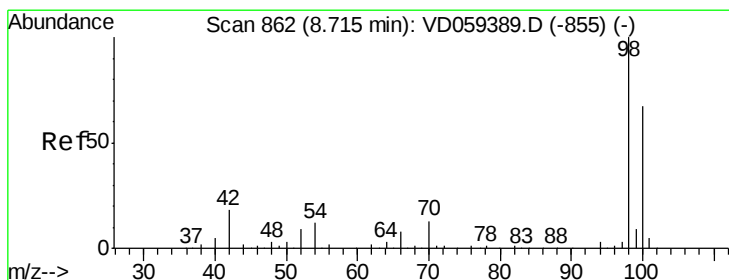
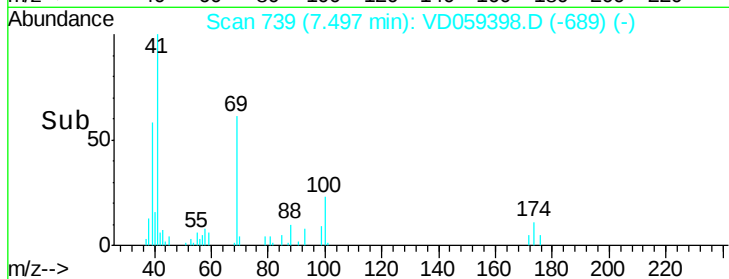
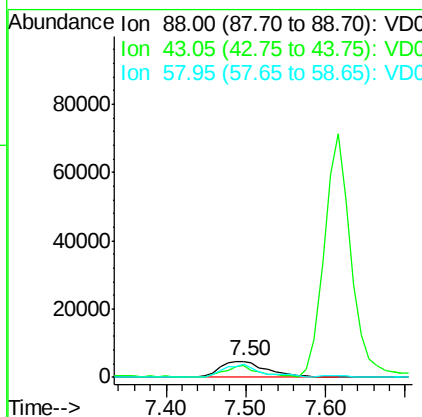
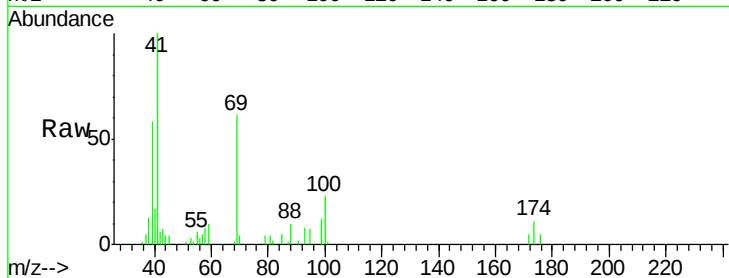




#49
1,4-Dioxane
Concen: 418.743 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

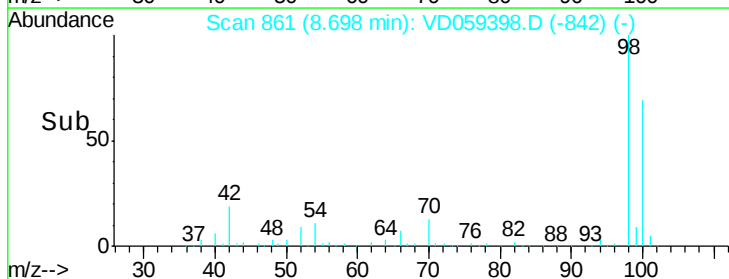
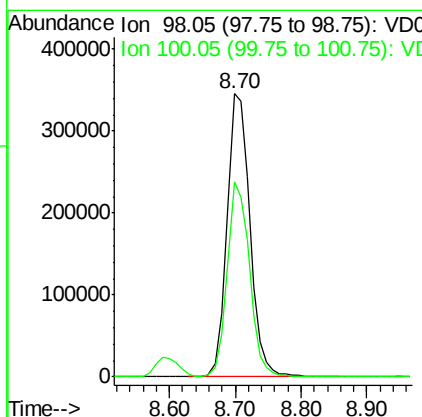
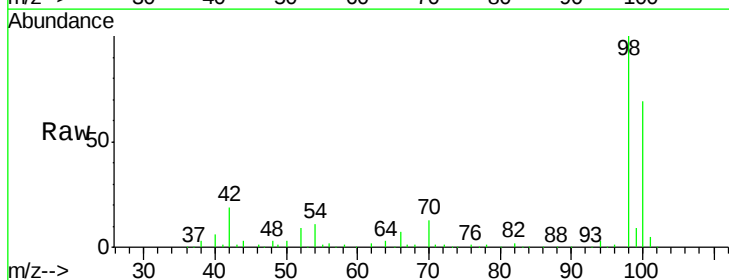
Instrument :
MSVOA_D
ClientSampleId :

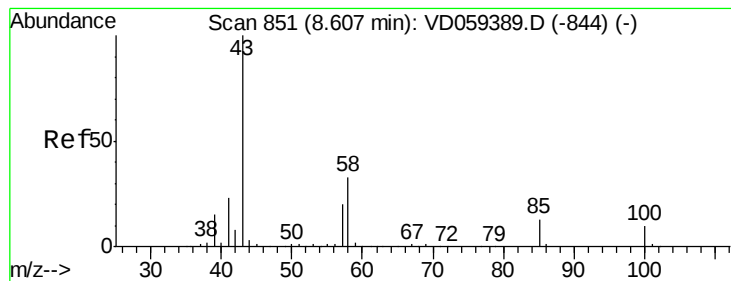
Tot Ion: 88 Resp: 19113
Ion Ratio Lower Upper
88 100
43 71.9 41.0 61.4#
58 81.5 53.4 80.0#



#50
Toluene-d8
Concen: 418.743 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 98 Resp: 844983
Ion Ratio Lower Upper
98 100
100 68.7 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 115.442 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

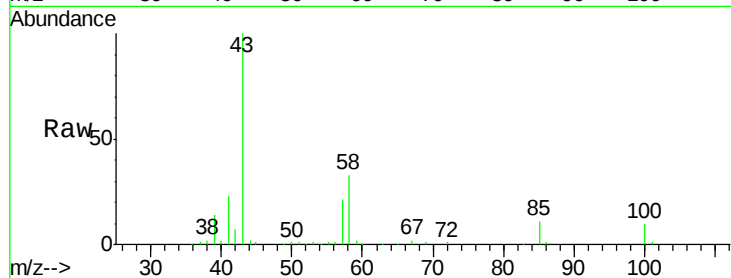
ClientSampleId :

Tot Ion: 43 Resp: 574657

Ion Ratio Lower Upper

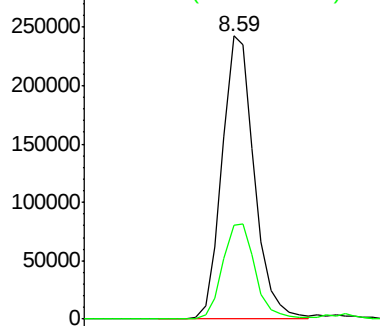
43 100

58 33.1 26.3 39.5

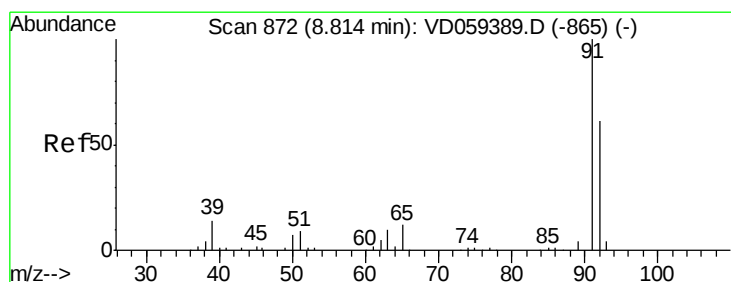
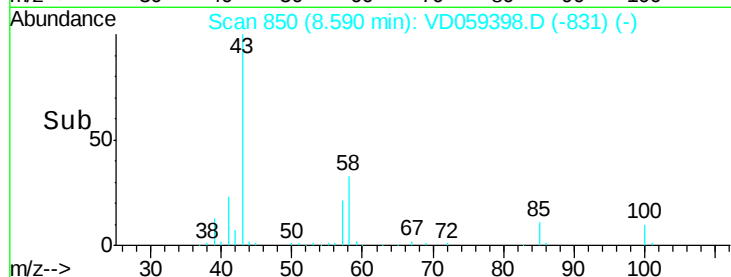


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 23.746 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.02 min

Lab File: VD059398.D

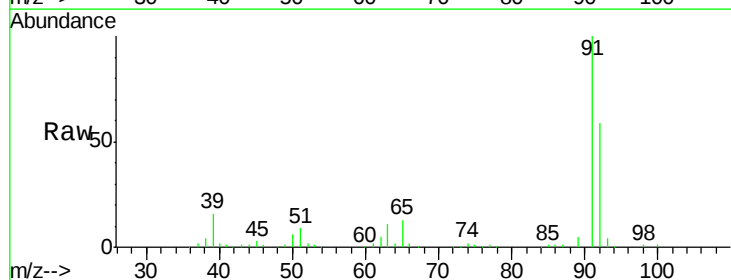
Acq: 25 Jun 2018 14:51

Tgt Ion: 92 Resp: 332424

Ion Ratio Lower Upper

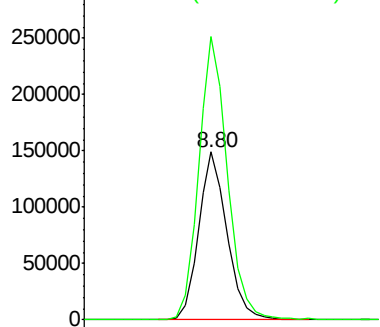
92 100

91 168.9 132.2 198.2

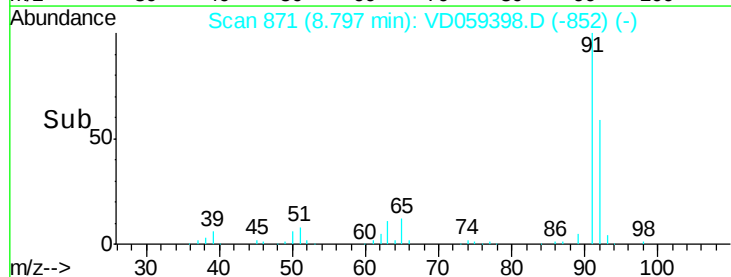


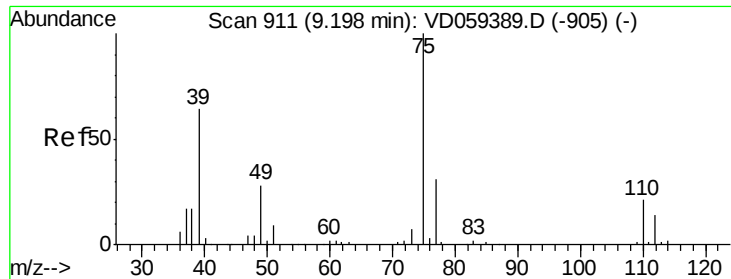
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->

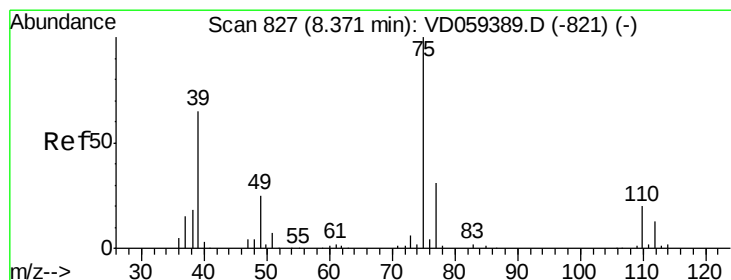
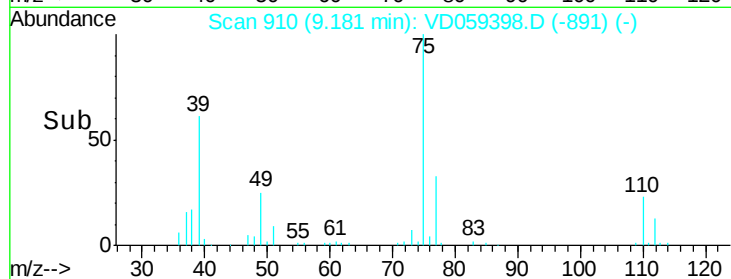
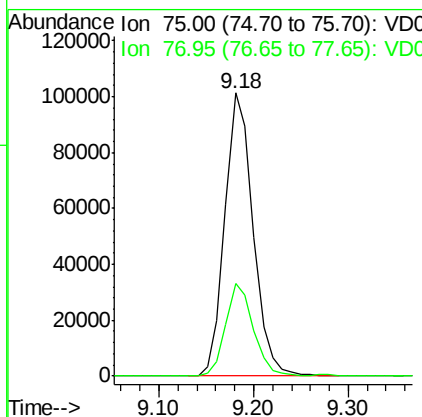
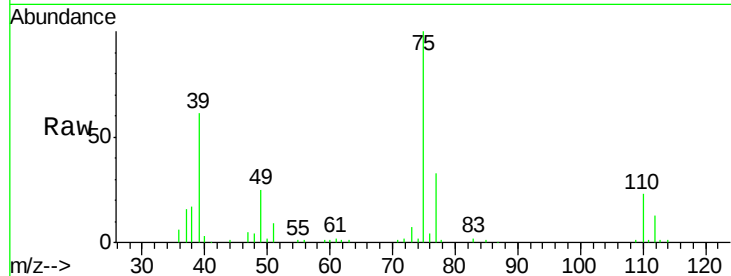




#53
t-1,3-Dichloropropene
Concen: 24.035 ug/l
RT: 9.18 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

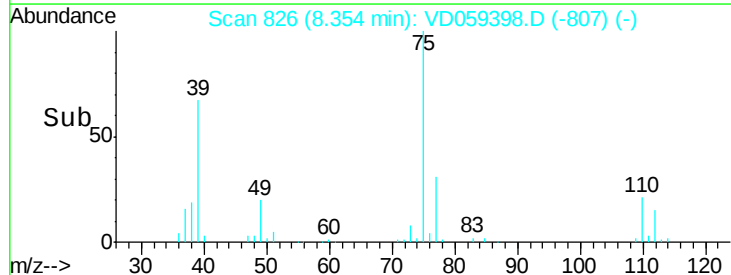
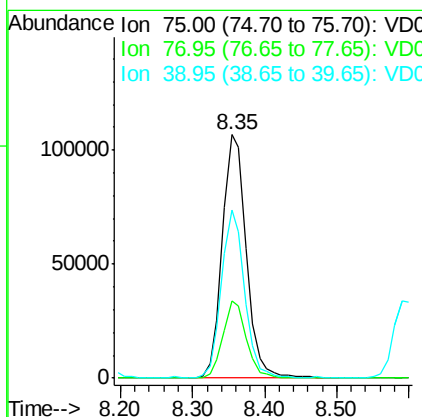
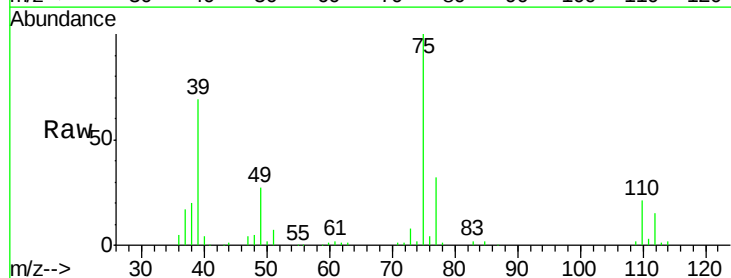
Instrument :
MSVOA_D
ClientSampled :

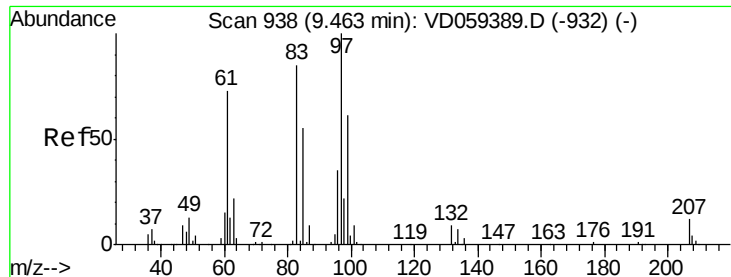
Tot Ion: 75 Resp: 209829
Ion Ratio Lower Upper
75 100
77 33.0 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 24.267 ug/l
RT: 8.35 min Scan# 826
Delta R.T. -0.02 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 75 Resp: 245295
Ion Ratio Lower Upper
75 100
77 31.7 24.7 37.1
39 68.9 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 23.445 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 119161

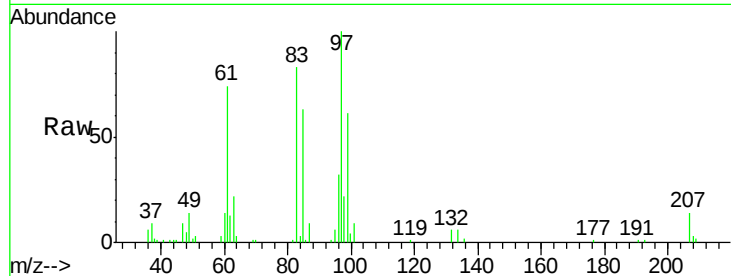
Ion Ratio Lower Upper

97 100

83 82.9 67.7 101.5

85 62.7 44.3 66.5

99 61.5 48.6 73.0

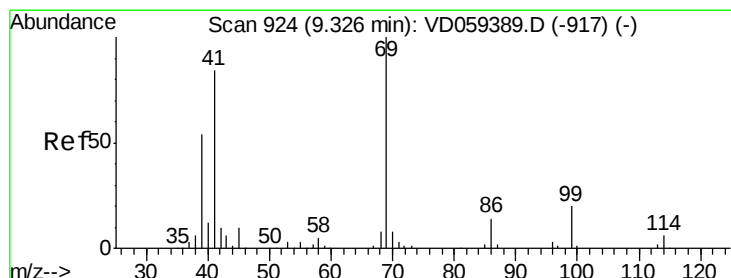
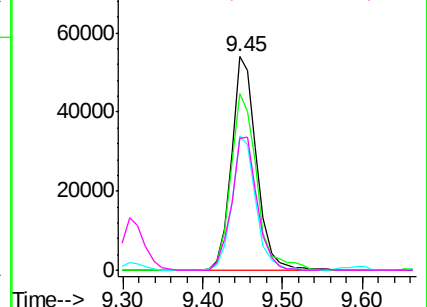
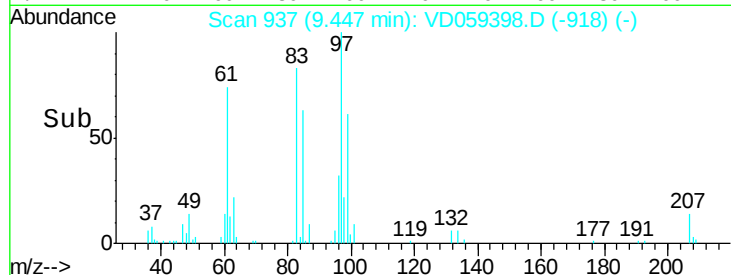


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 23.311 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

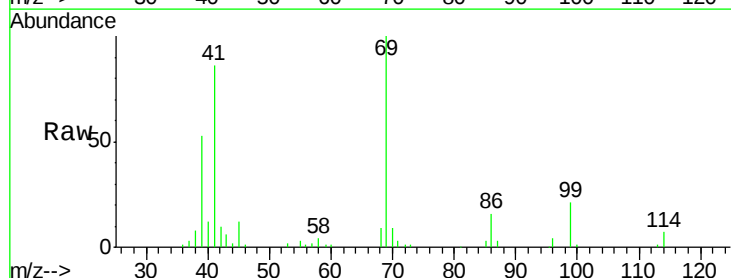
Tgt Ion: 69 Resp: 135195

Ion Ratio Lower Upper

69 100

41 85.7 67.4 101.0

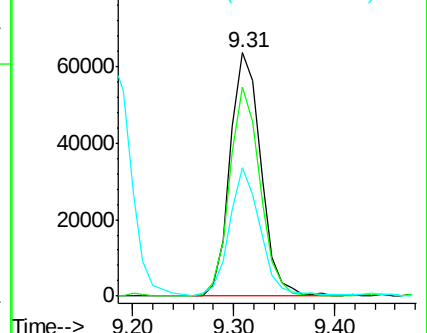
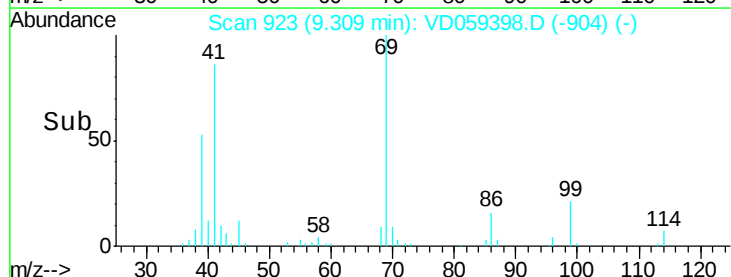
39 52.7 43.7 65.5

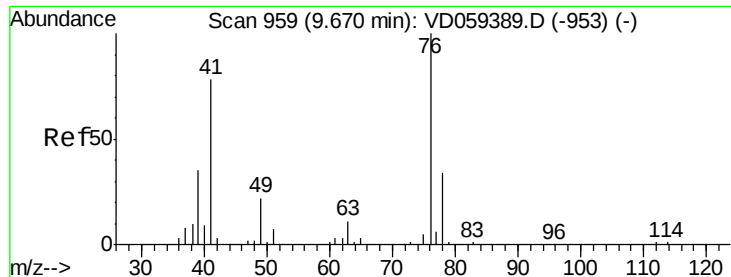


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.036 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

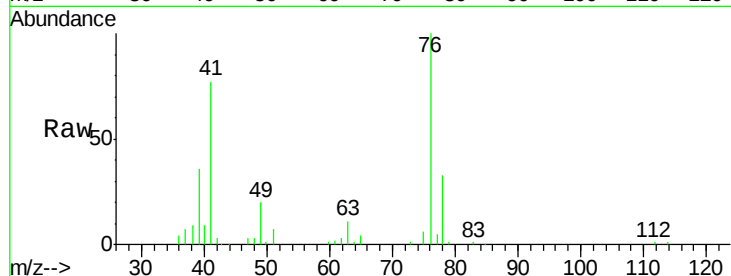
ClientSampleId :

Tot Ion: 76 Resp: 191485

Ion Ratio Lower Upper

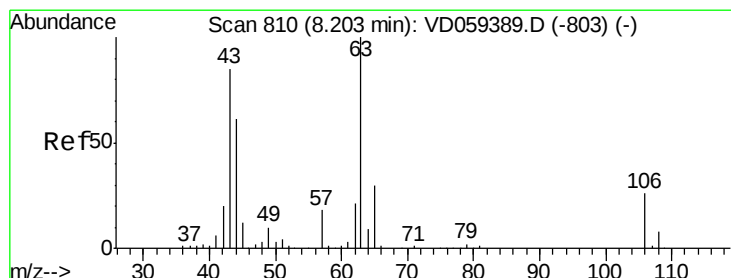
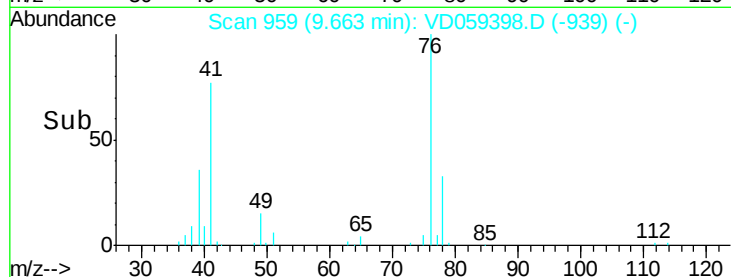
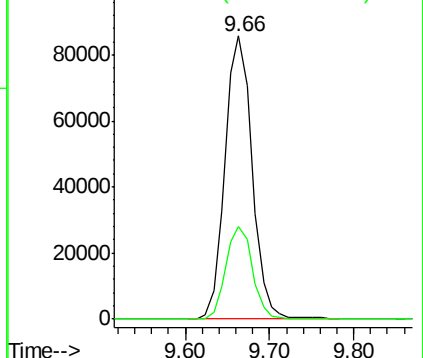
76 100

78 32.6 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.458 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.02 min

Lab File: VD059398.D

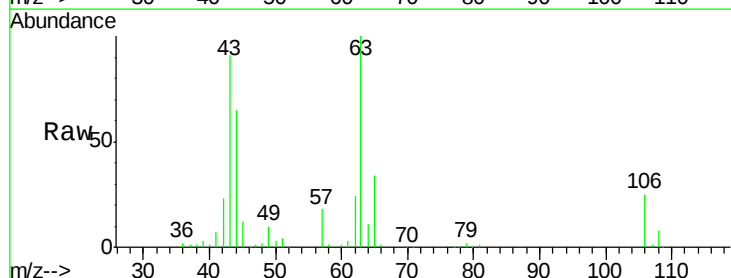
Acq: 25 Jun 2018 14:51

Tgt Ion: 63 Resp: 323814

Ion Ratio Lower Upper

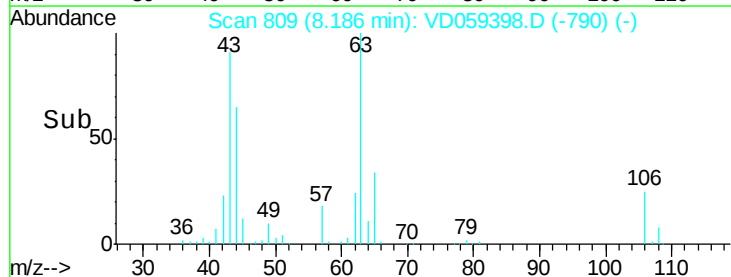
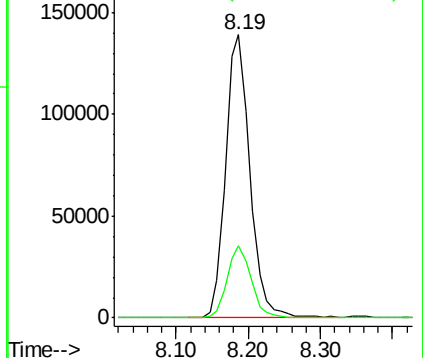
63 100

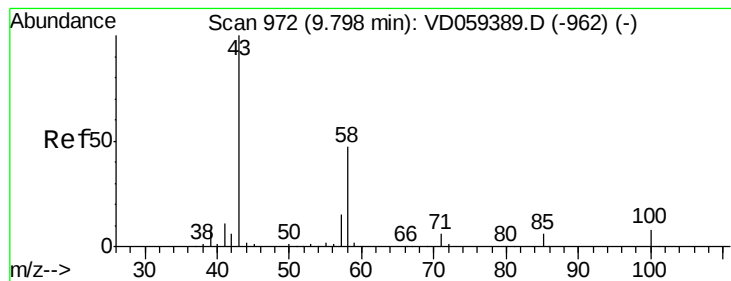
106 25.4 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 119.171 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.02 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

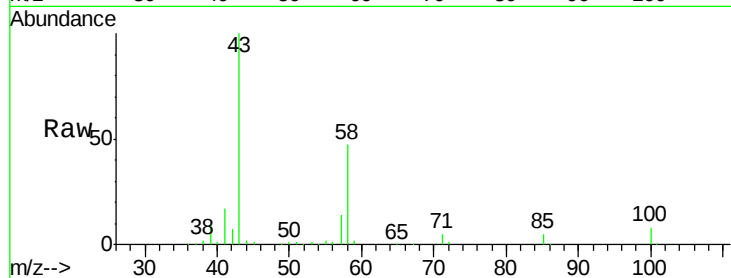
ClientSampled :

Tot Ion: 43 Resp: 421620

Ion Ratio Lower Upper

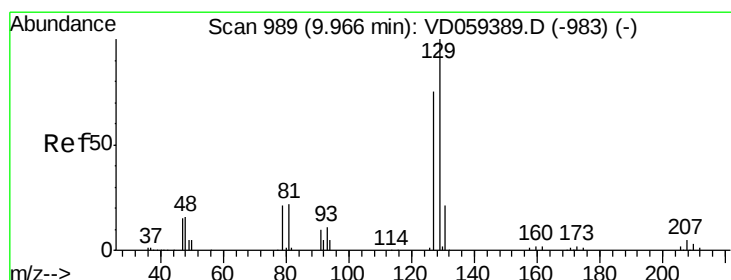
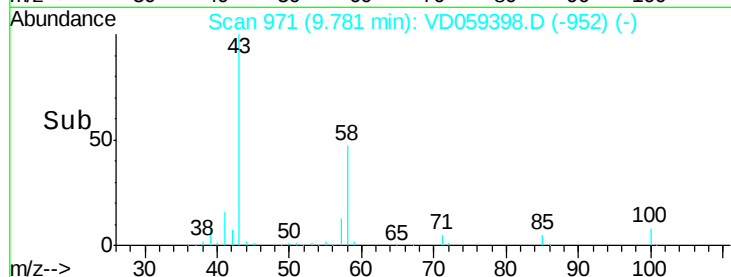
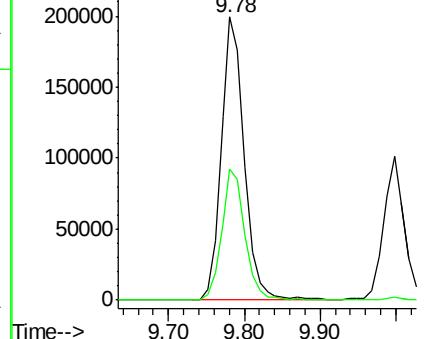
43 100

58 46.5 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 23.013 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.01 min

Lab File: VD059398.D

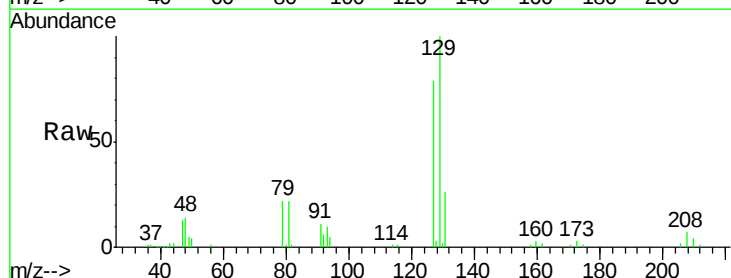
Acq: 25 Jun 2018 14:51

Tgt Ion:129 Resp: 163792

Ion Ratio Lower Upper

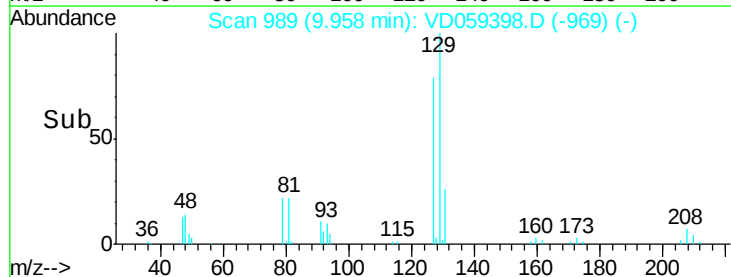
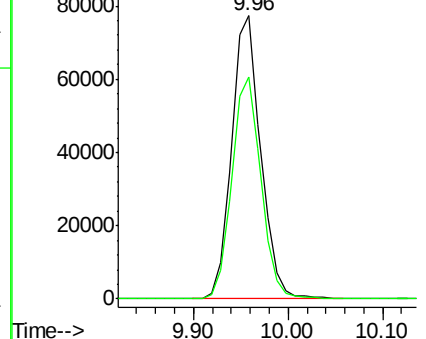
129 100

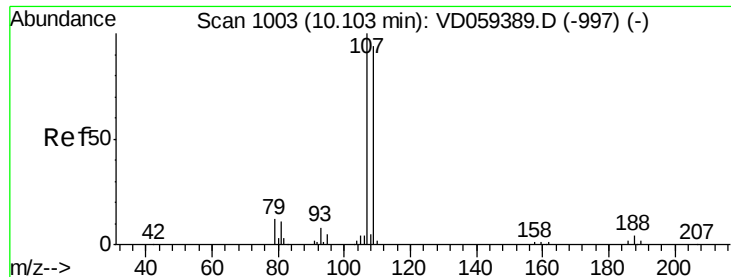
127 78.5 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

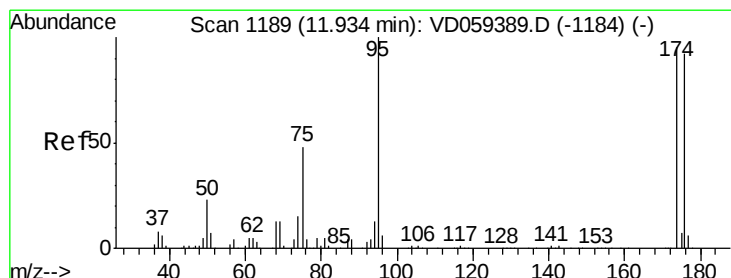
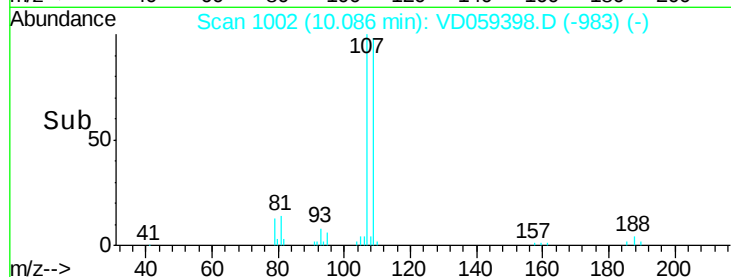
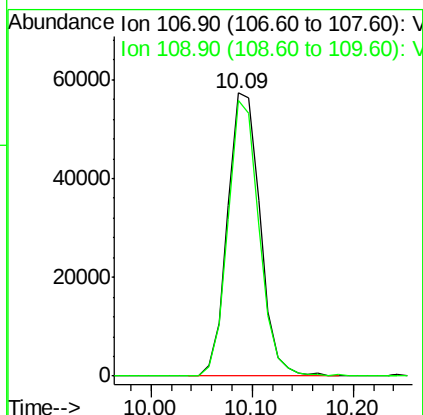
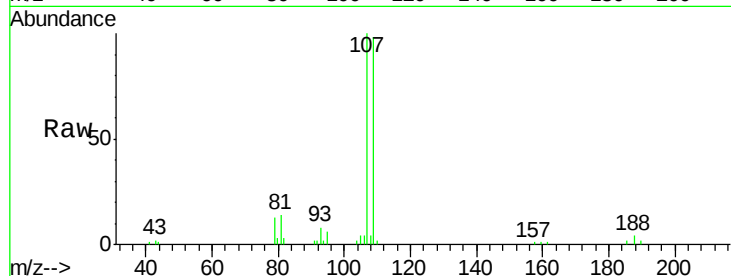




#61
 1,2-Dibromoethane
 Concen: 22.620 ug/l
 RT: 10.09 min Scan# 1002
 Delta R.T. -0.02 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

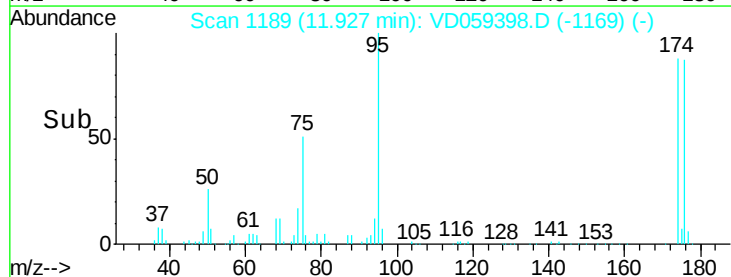
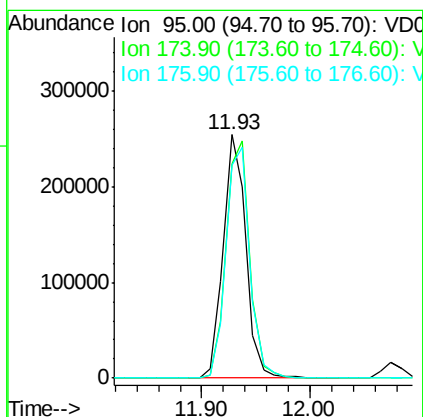
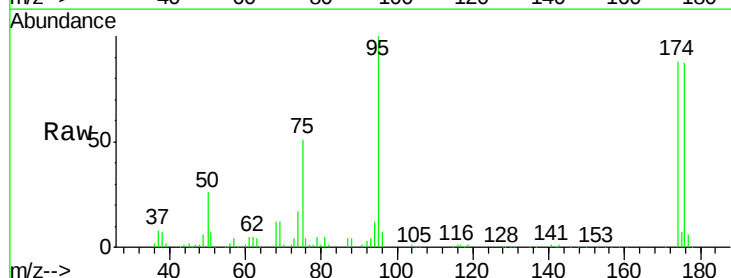
Instrument :
 MSVOA_D
 ClientSampleId :

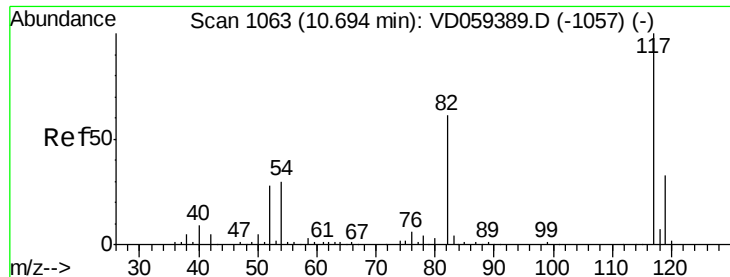
Tot Ion:107 Resp: 128024
 Ion Ratio Lower Upper
 107 100
 109 97.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 22.620 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Tgt Ion: 95 Resp: 369872
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 190.4
 176 87.4 0.0 183.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

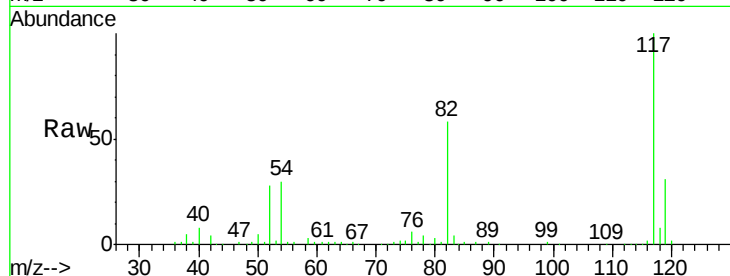
Tot Ion:117 Resp: 883543

Ion Ratio Lower Upper

117 100

82 57.7 49.0 73.6

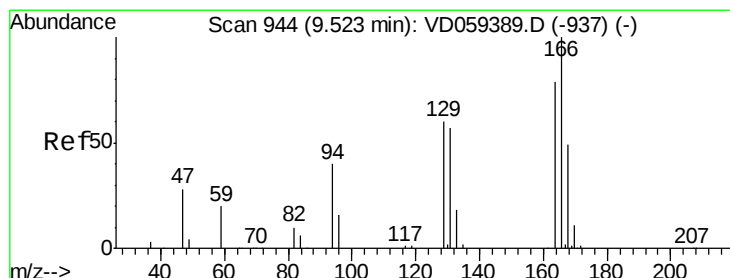
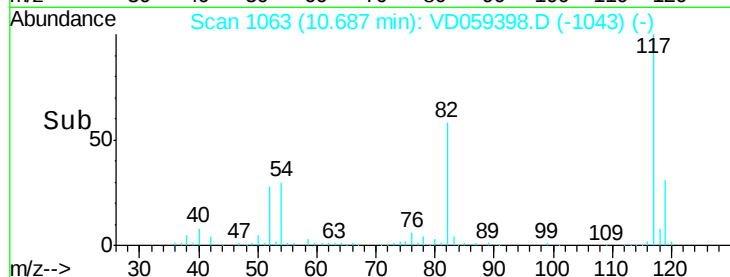
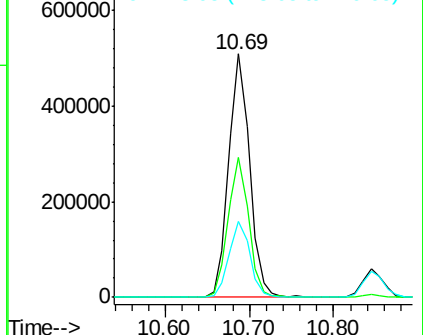
119 31.2 26.2 39.4



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: 22.555 ug/l

RT: 9.52 min Scan# 944

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Tgt Ion:164 Resp: 174820

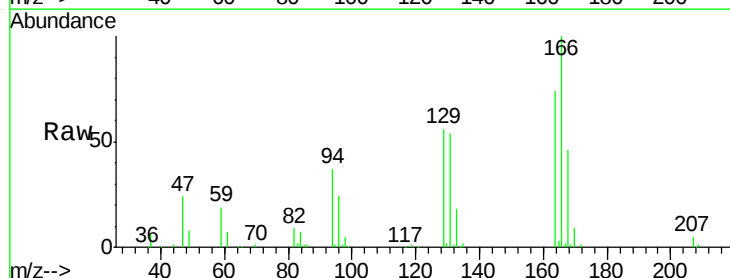
Ion Ratio Lower Upper

164 100

166 135.1 101.4 152.2

129 75.9 60.9 91.3

131 73.0 58.2 87.4

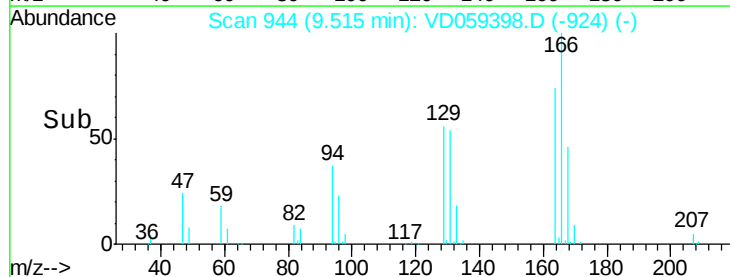
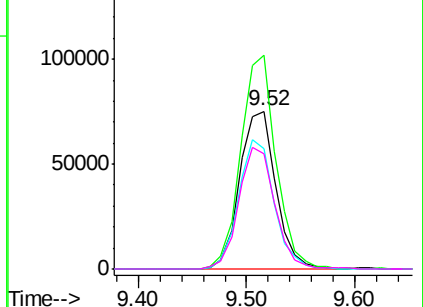


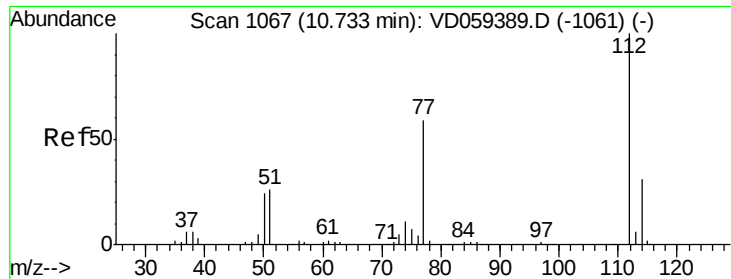
Abundance Ion 163.85 (163.55 to 164.55): V

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

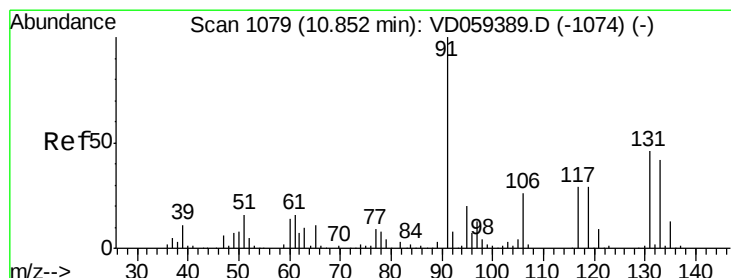
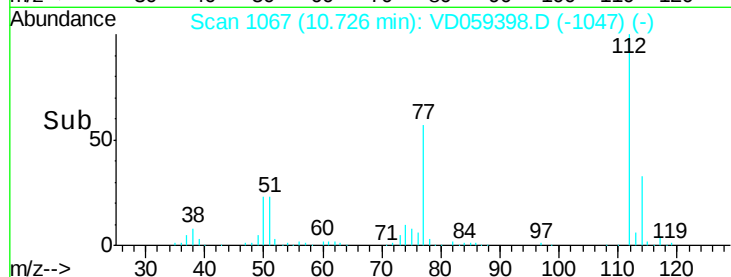
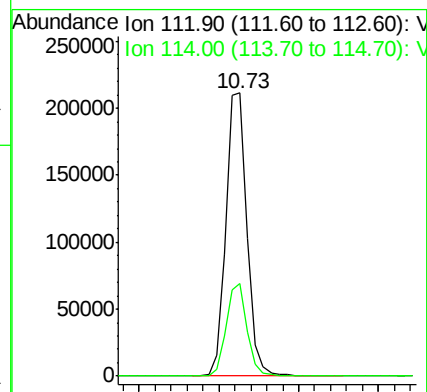
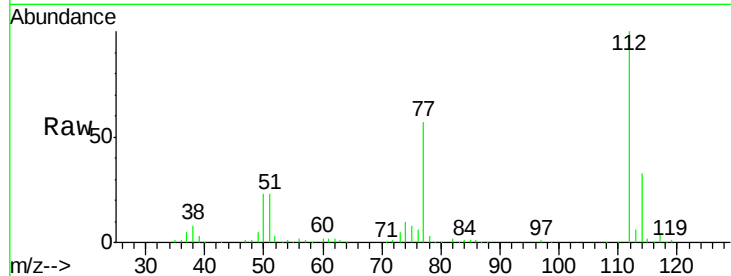




#65
Chlorobenzene
Concen: 24.473 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

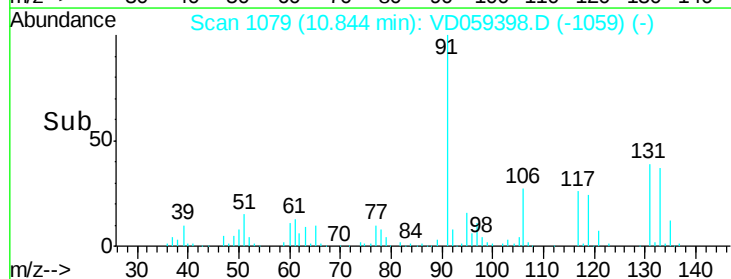
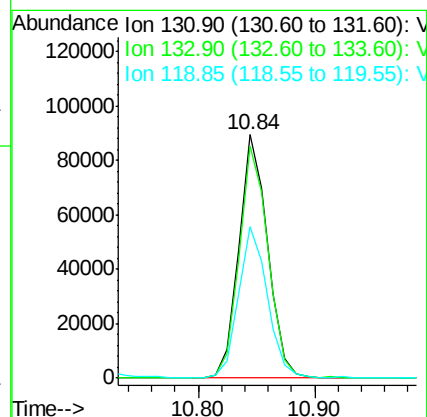
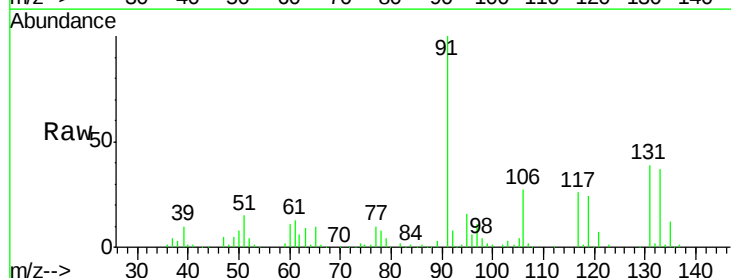
Instrument :
MSVOA_D
ClientSampleId :

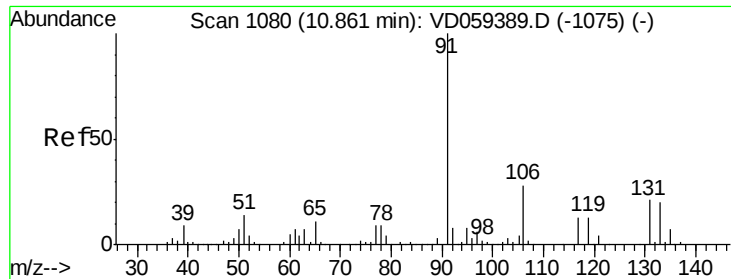
Tot Ion:112 Resp: 395387
Ion Ratio Lower Upper
112 100
114 32.8 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 24.550 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion:131 Resp: 152248
Ion Ratio Lower Upper
131 100
133 95.4 45.7 137.1
119 62.1 32.3 96.9

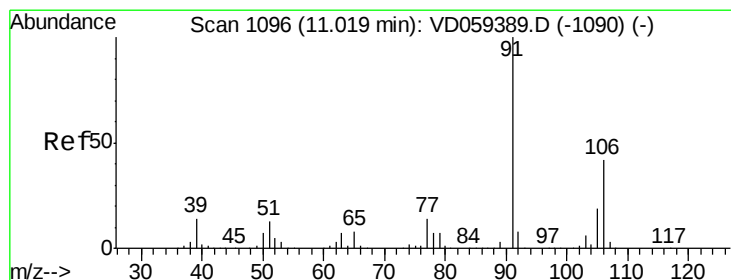
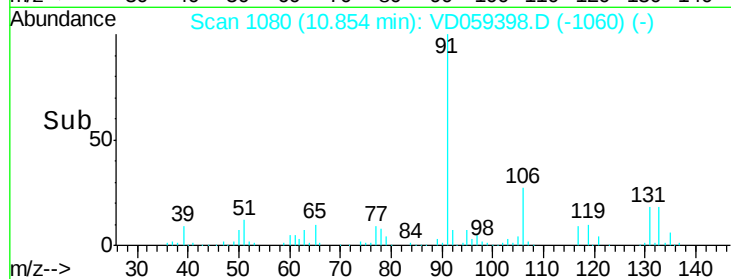
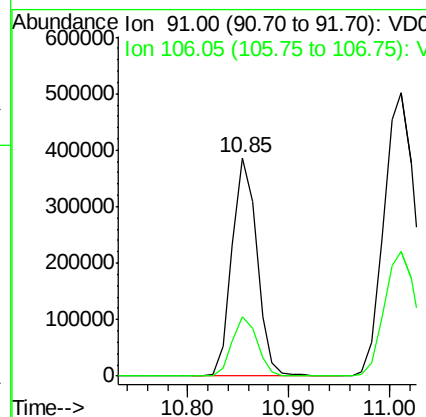
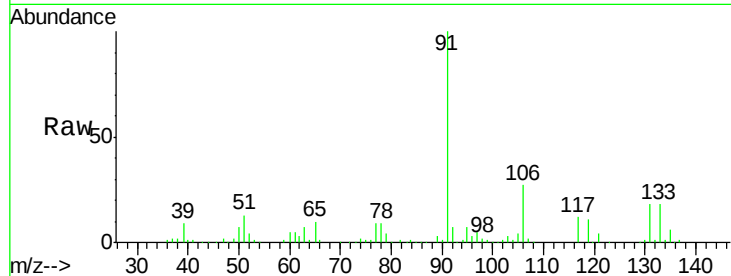




#67
Ethyl Benzene
Concen: 24.482 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

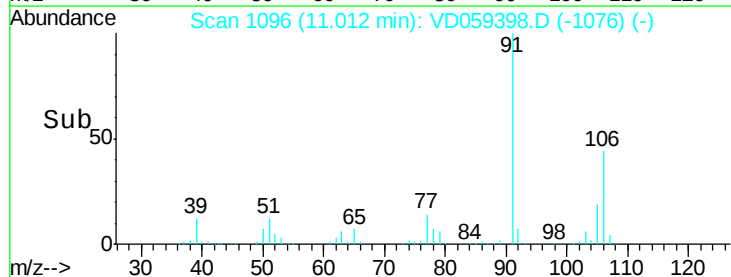
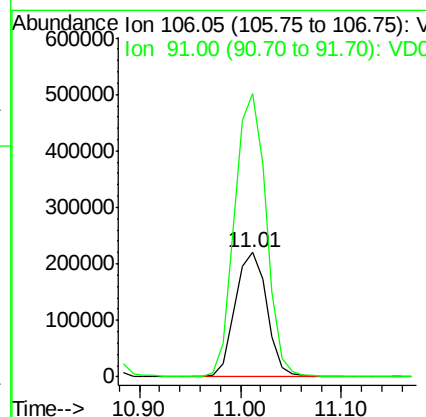
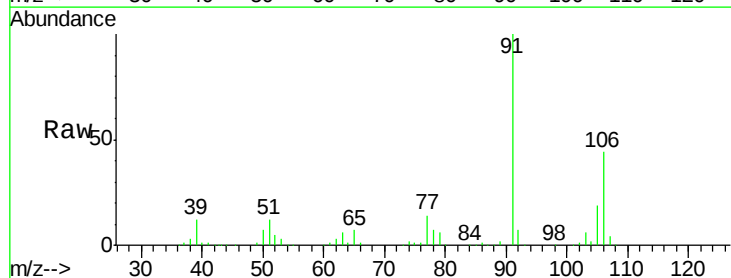
Instrument :
MSVOA_D
ClientSampleID :

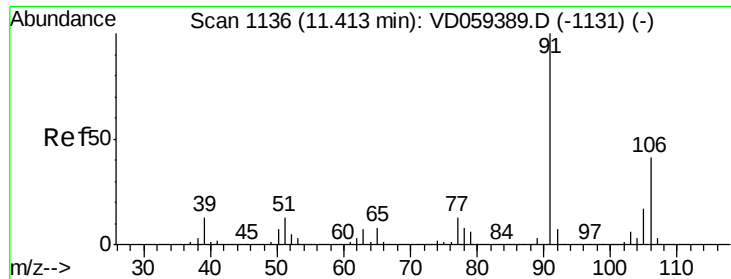
Tot Ion: 91 Resp: 667420
Ion Ratio Lower Upper
91 100
106 27.2 22.3 33.5



#68
m/p-Xylenes
Concen: 53.268 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 106 Resp: 481802
Ion Ratio Lower Upper
106 100
91 227.9 191.0 286.6

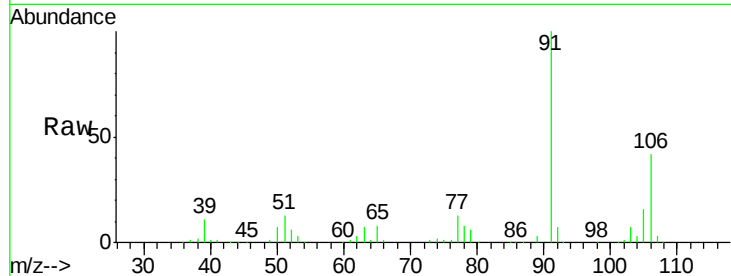




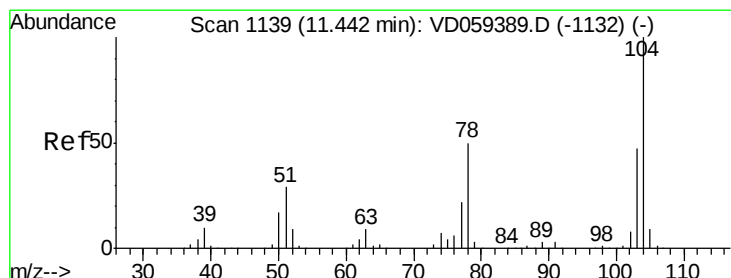
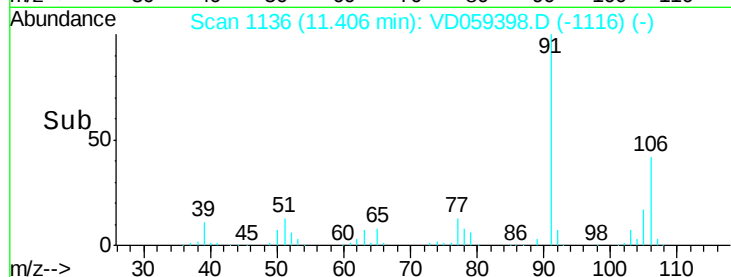
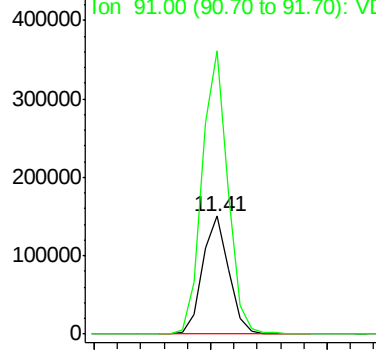
#69
o-Xylene
Concen: 26.150 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 233838
Ion Ratio Lower Upper
106 100
91 240.2 121.0 362.8

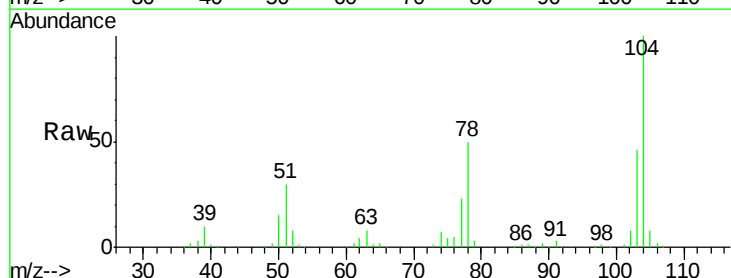


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

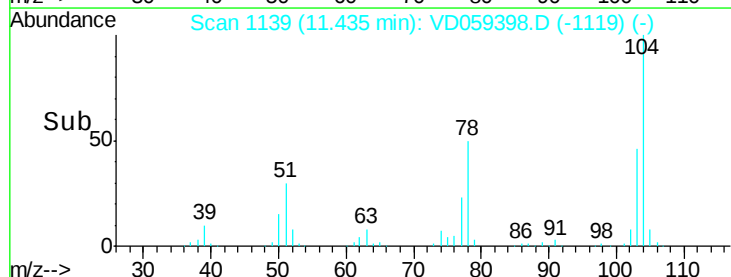
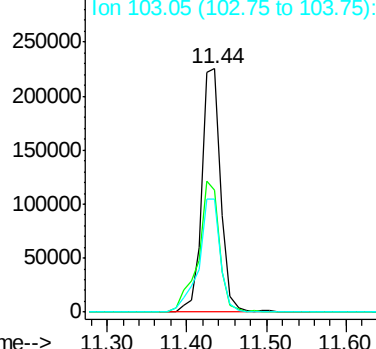


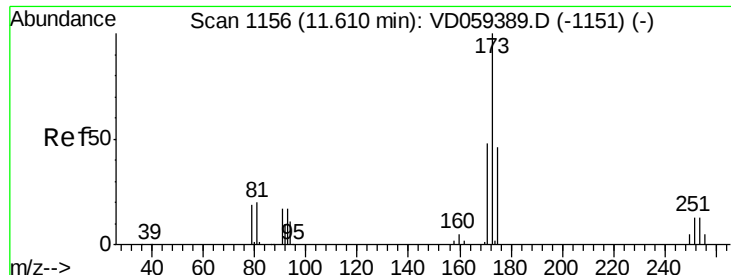
#70
Styrene
Concen: 24.632 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion:104 Resp: 377568
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.4
103 46.4 37.8 56.8



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

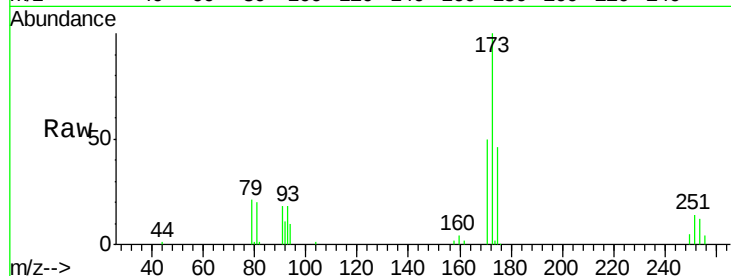




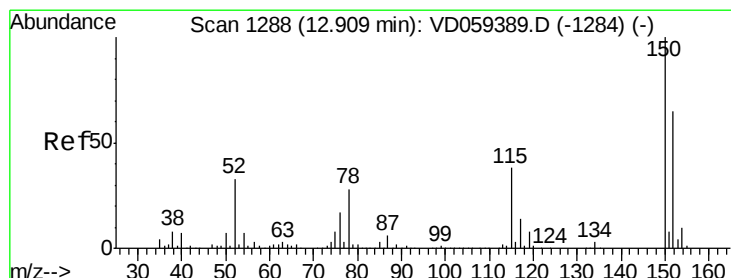
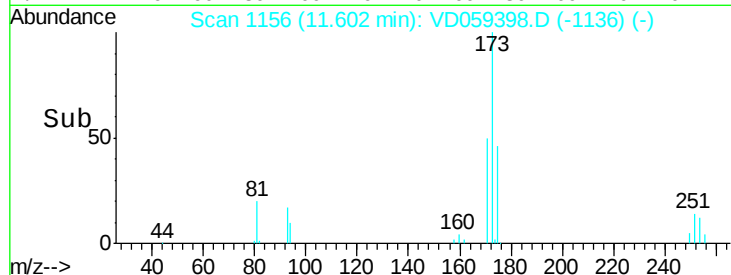
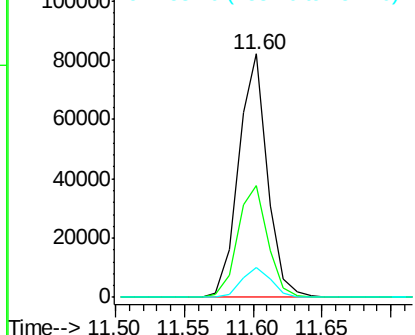
#71
Bromoform
Concen: 23.070 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 118520
Ion Ratio Lower Upper
173 100
175 46.2 22.8 68.4
254 12.5 10.1 15.1

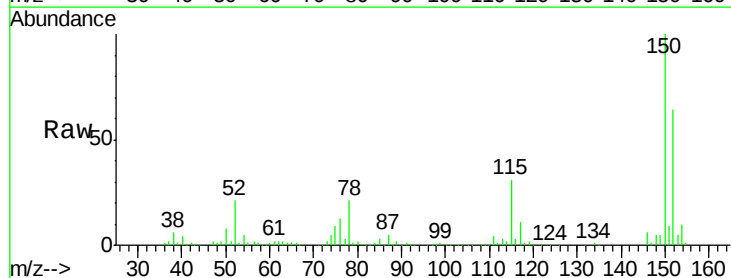


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

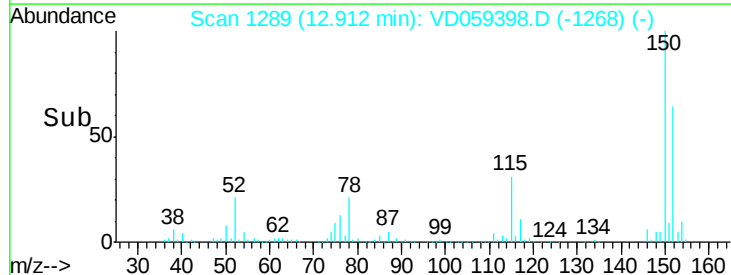
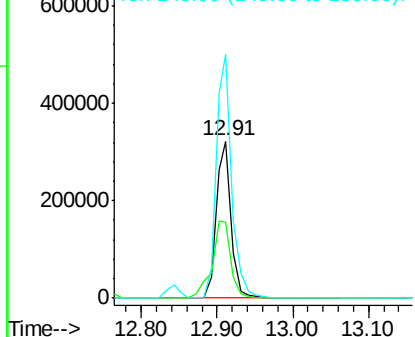


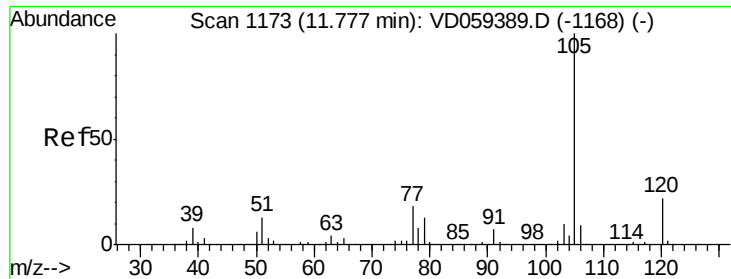
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion:152 Resp: 443553
Ion Ratio Lower Upper
152 100
115 48.1 29.4 88.3
150 155.4 0.0 308.2



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: 25.919 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

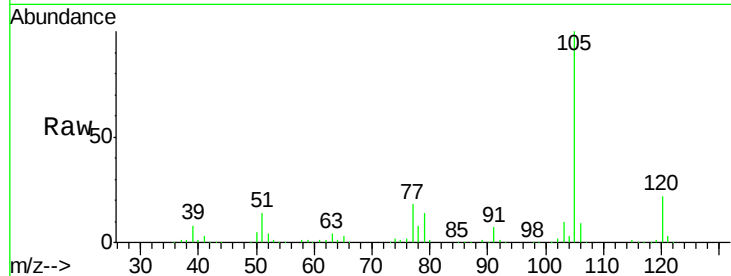
ClientSampleId :

Tot Ion:105 Resp: 648763

Ion Ratio Lower Upper

105 100

120 22.0 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

400000

300000

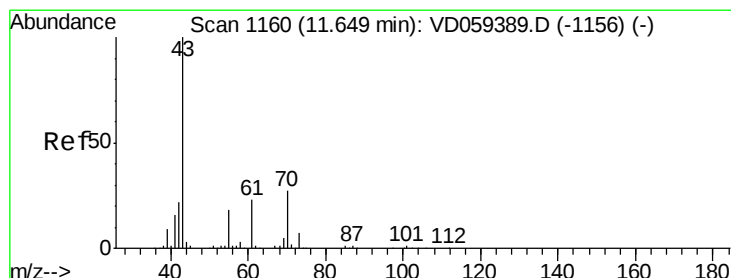
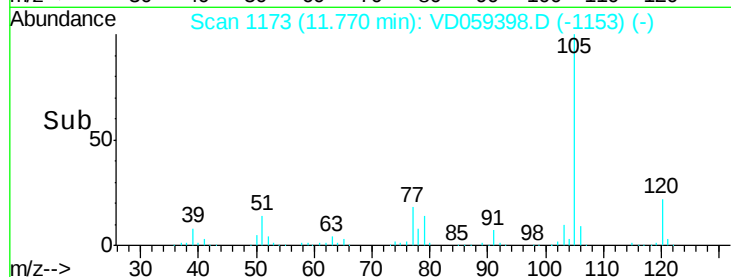
200000

100000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 23.057 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Tgt Ion: 43 Resp: 219579

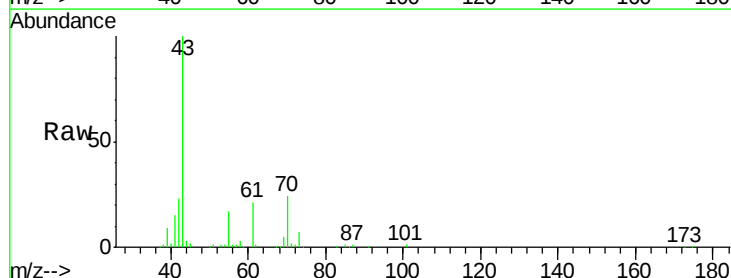
Ion Ratio Lower Upper

43 100

70 24.1 21.7 32.5

55 17.2 14.6 22.0

61 20.8 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.64

200000

150000

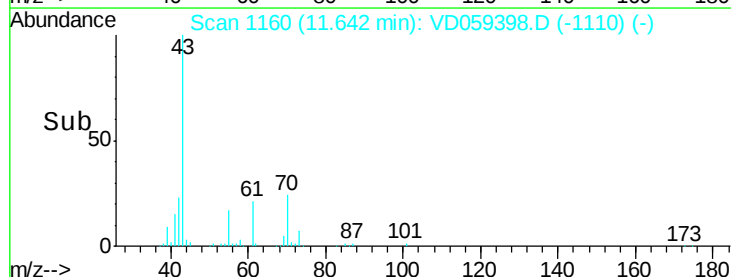
100000

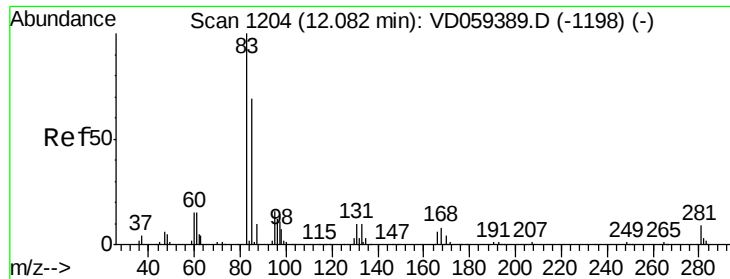
50000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 23.051 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

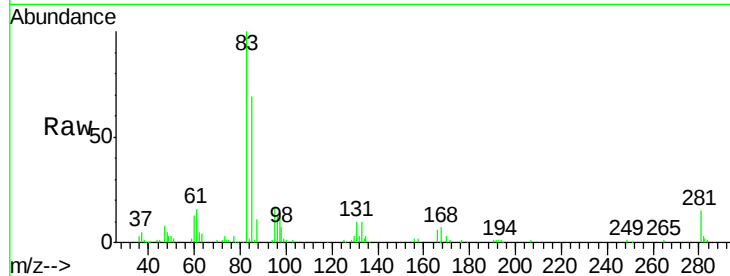
Tot Ion: 83 Resp: 135362

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

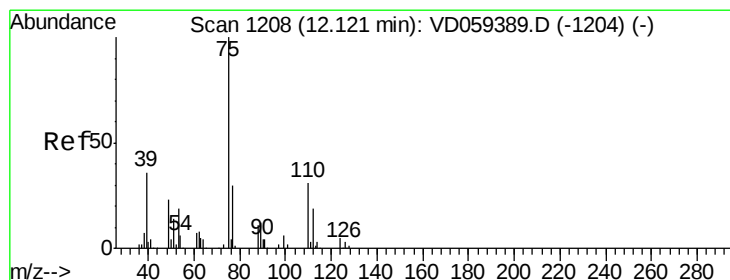
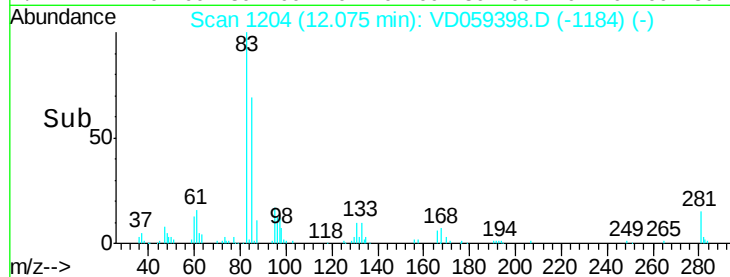
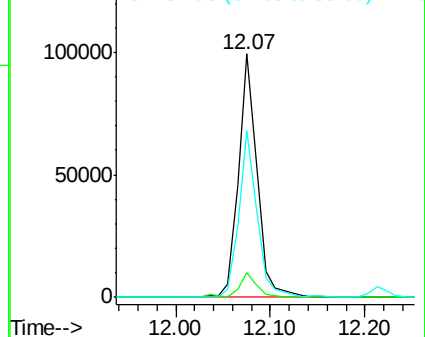
85 68.5 34.6 103.8



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: 22.930 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059398.D

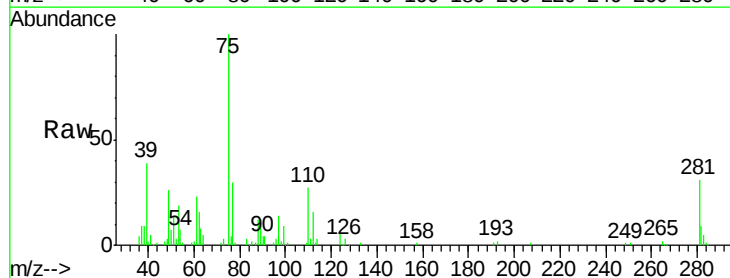
Acq: 25 Jun 2018 14:51

Tgt Ion: 75 Resp: 140289

Ion Ratio Lower Upper

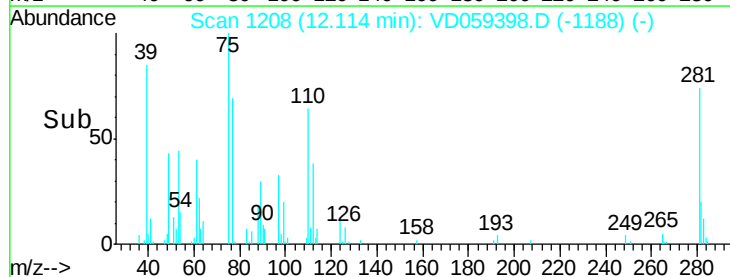
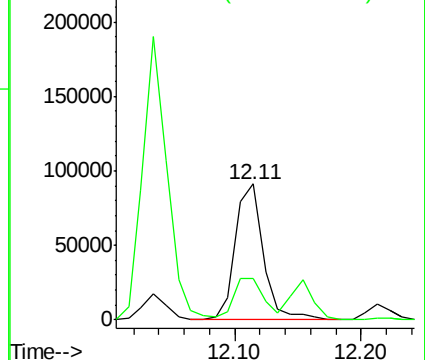
75 100

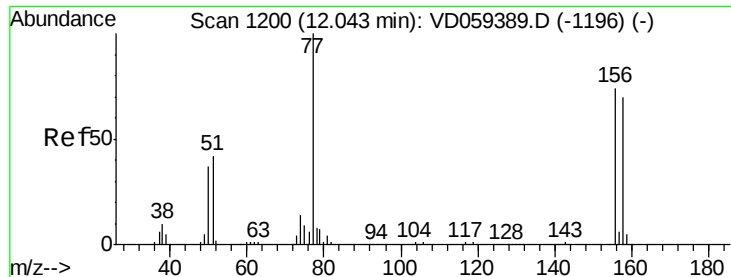
77 30.0 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 25.604 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

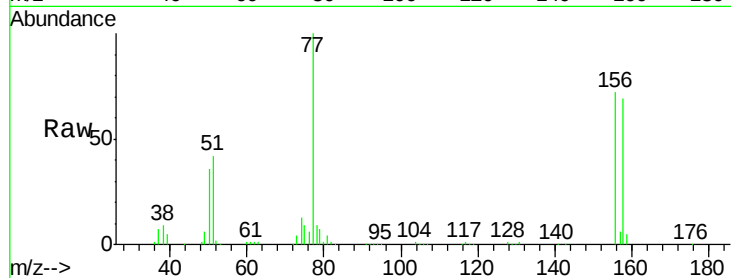
Tot Ion:156 Resp: 201708

Ion Ratio Lower Upper

156 100

77 139.4 68.0 203.8

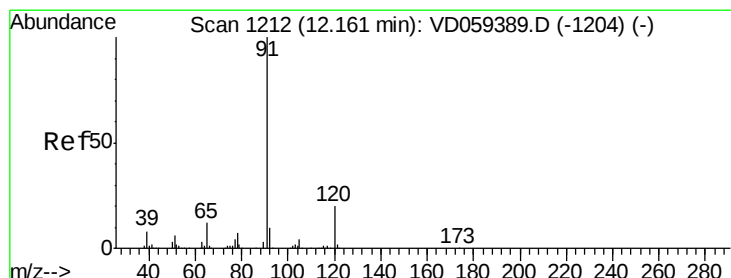
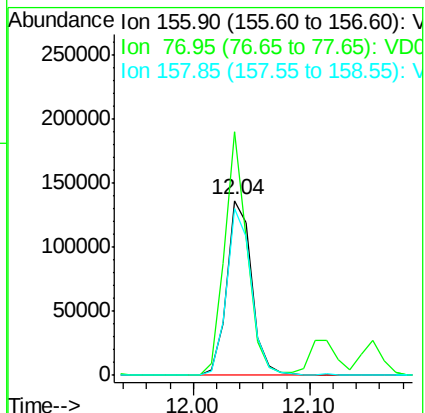
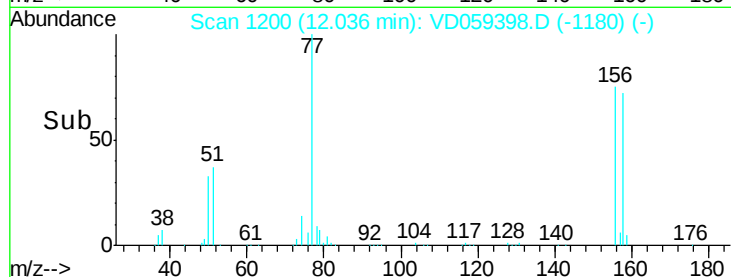
158 95.8 47.7 143.1



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



#78

n-propylbenzene

Concen: 26.445 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059398.D

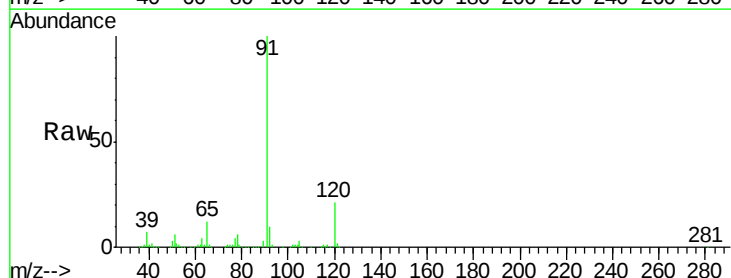
Acq: 25 Jun 2018 14:51

Tgt Ion: 91 Resp: 838329

Ion Ratio Lower Upper

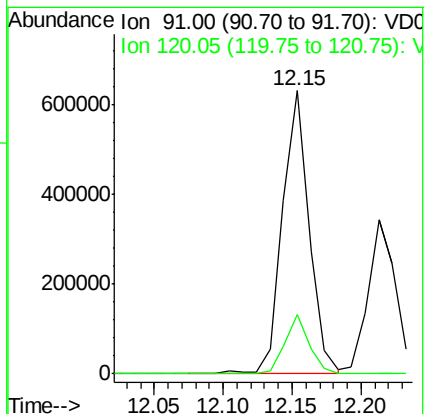
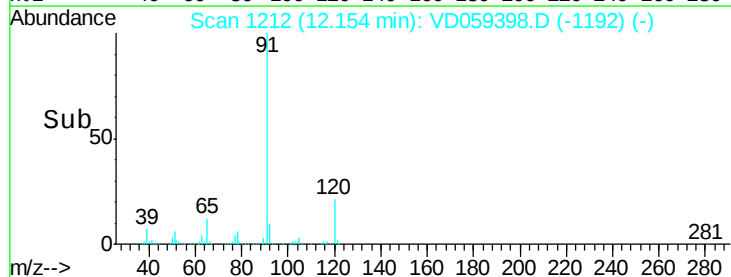
91 100

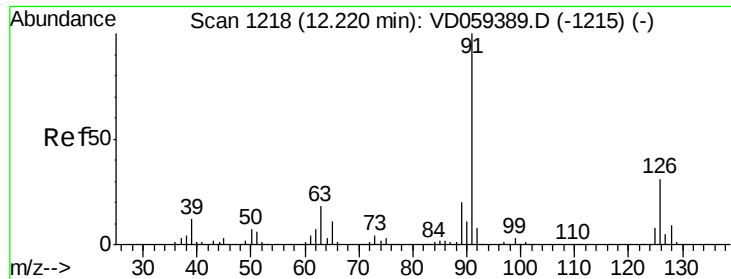
120 20.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

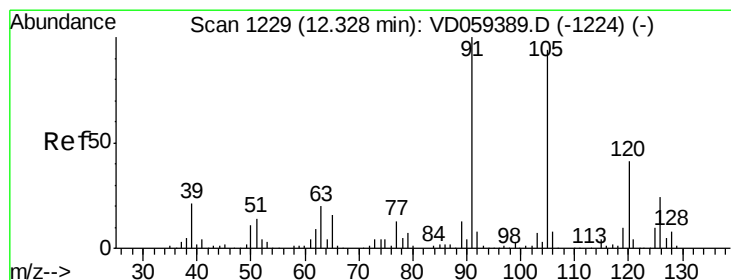
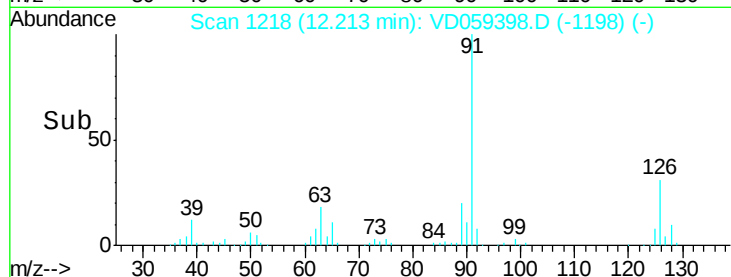
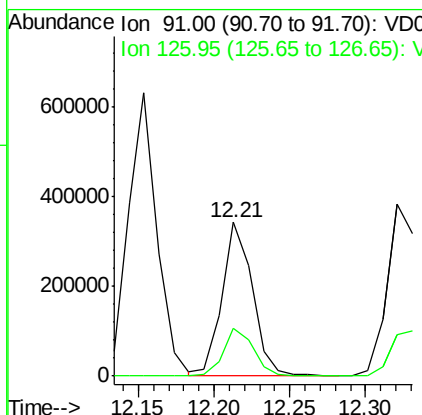
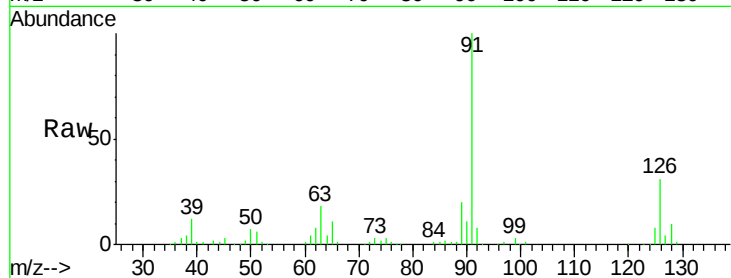




#79
 2-Chlorotoluene
 Concen: 25.610 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

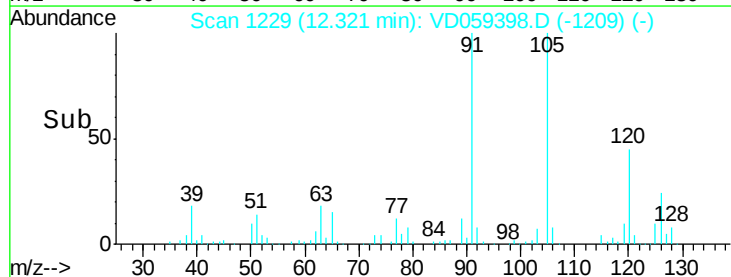
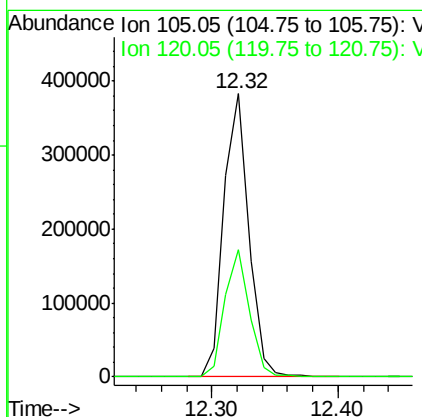
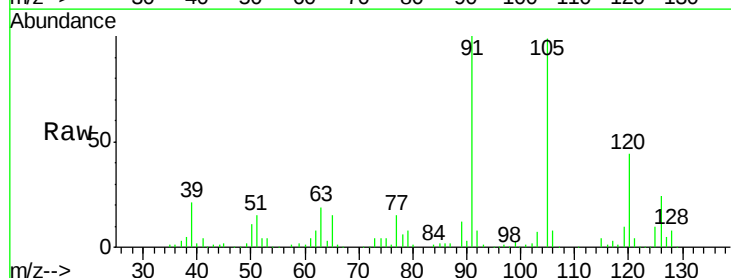
Instrument :
 MSVOA_D
 ClientSampleId :

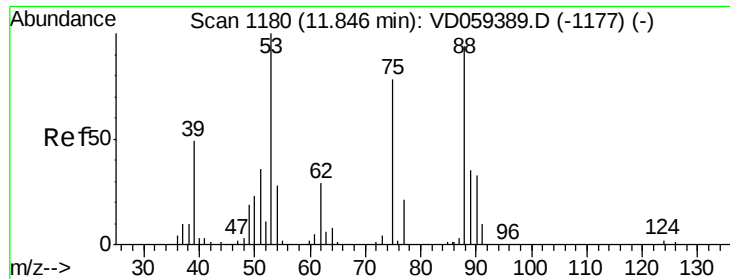
Tot Ion: 91 Resp: 476785
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 26.400 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Tgt Ion: 105 Resp: 526068
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 25.002 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

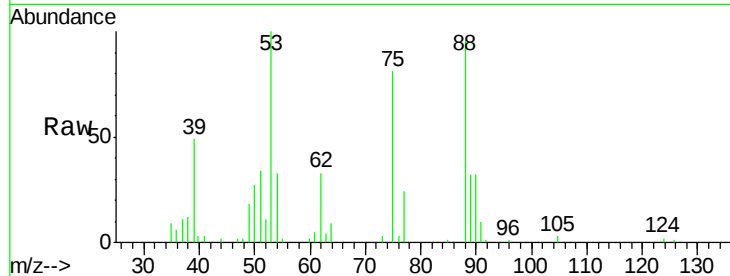
Tot Ion: 75 Resp: 34768

Ion Ratio Lower Upper

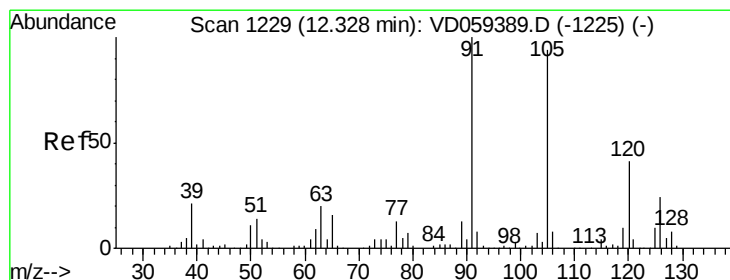
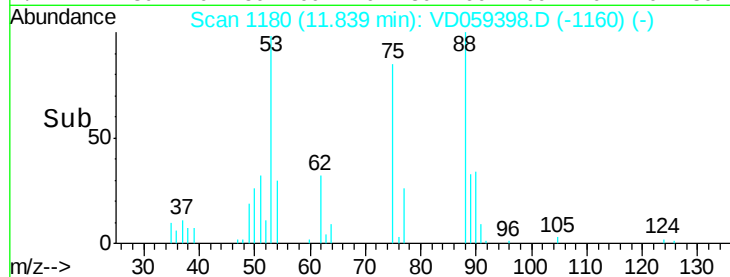
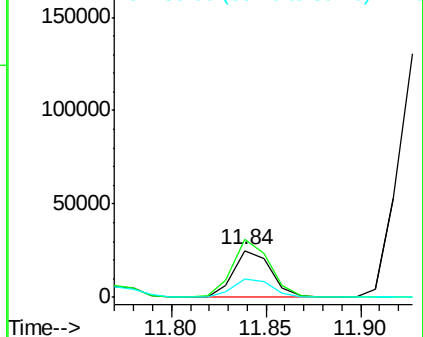
75 100

53 123.3 102.6 154.0

89 39.4 35.9 53.9



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



#82

4-Chlorotoluene

Concen: 26.689 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059398.D

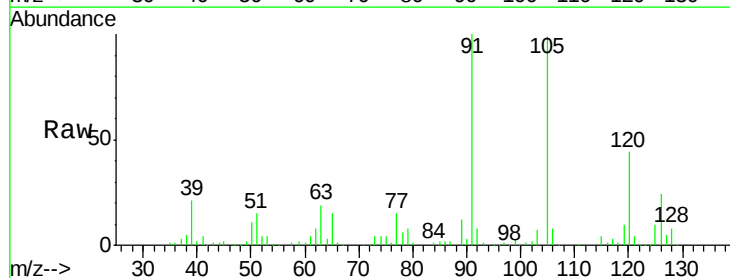
Acq: 25 Jun 2018 14:51

Tgt Ion: 91 Resp: 563422

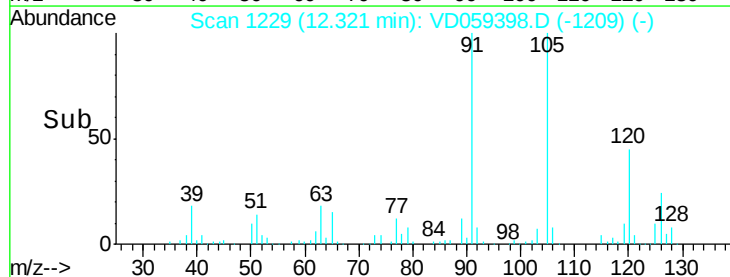
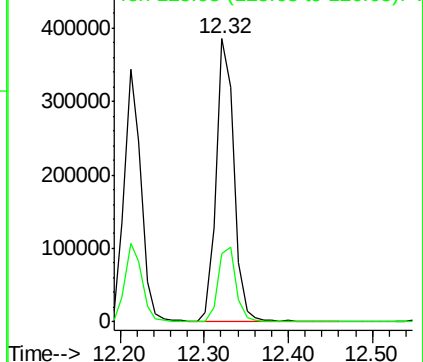
Ion Ratio Lower Upper

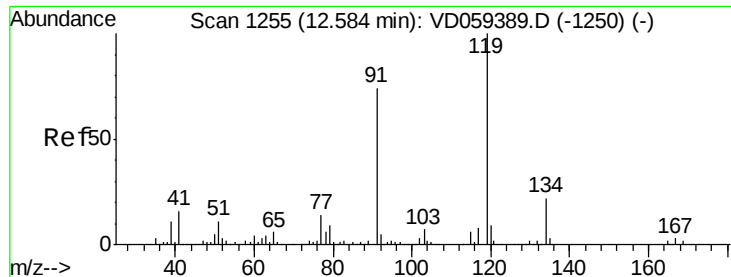
91 100

126 24.3 12.2 36.6



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





#83

tert-Butylbenzene

Concen: 27.989 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampled :

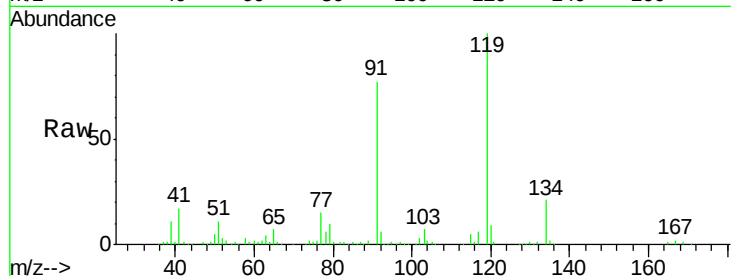
Tot Ion:119 Resp: 593251

Ion Ratio Lower Upper

119 100

91 77.3 36.9 110.7

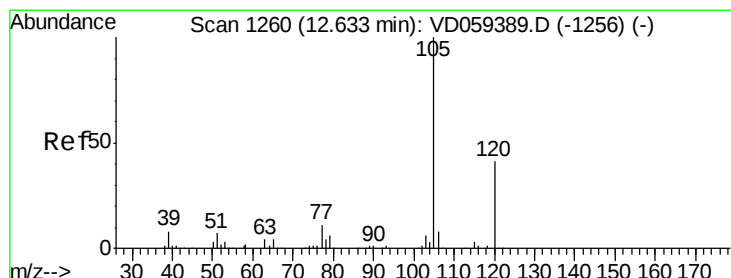
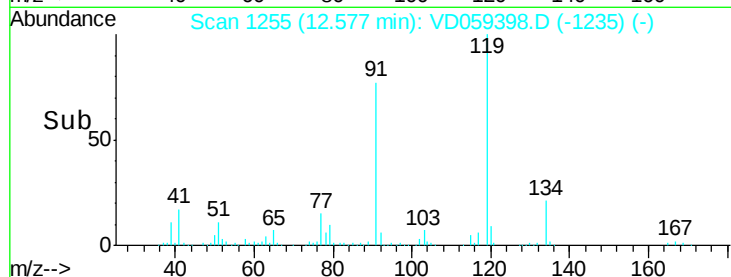
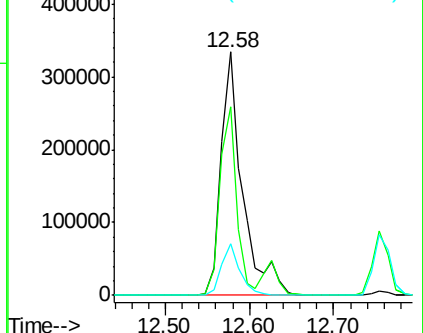
134 21.3 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 25.737 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD059398.D

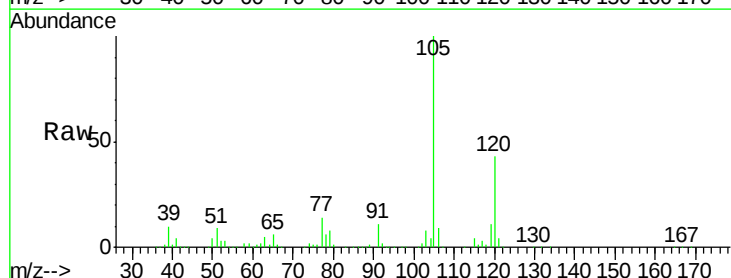
Acq: 25 Jun 2018 14:51

Tgt Ion:105 Resp: 542752

Ion Ratio Lower Upper

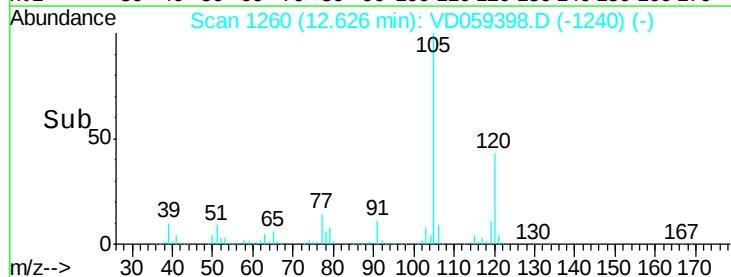
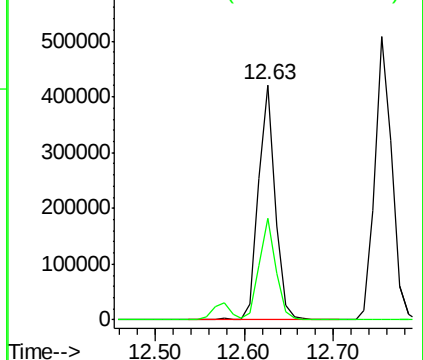
105 100

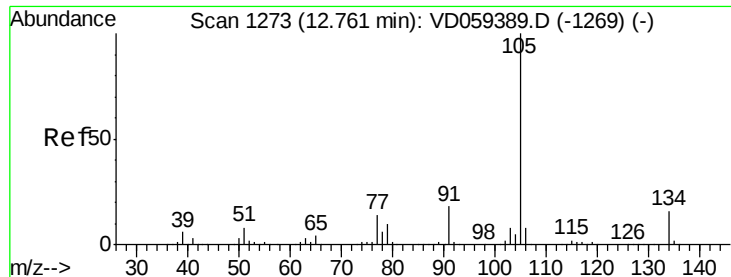
120 43.0 21.5 64.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 25.288 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

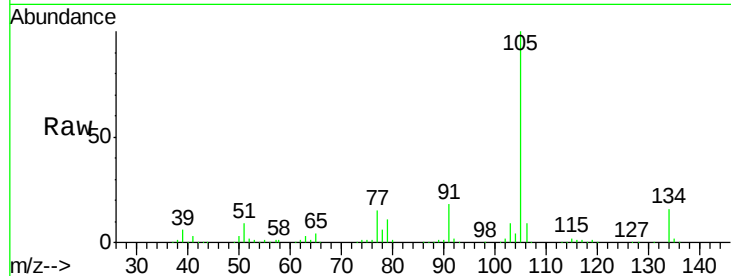
ClientSampled :

Tot Ion:105 Resp: 657727

Ion Ratio Lower Upper

105 100

134 16.5 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.75

500000

400000

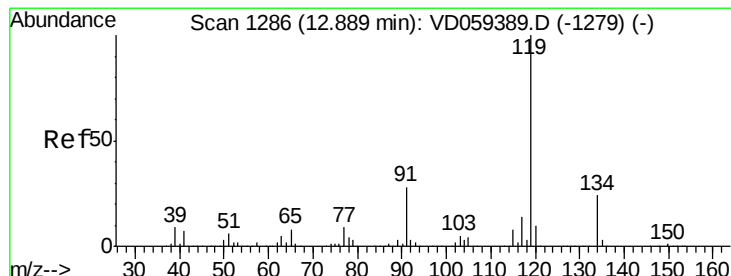
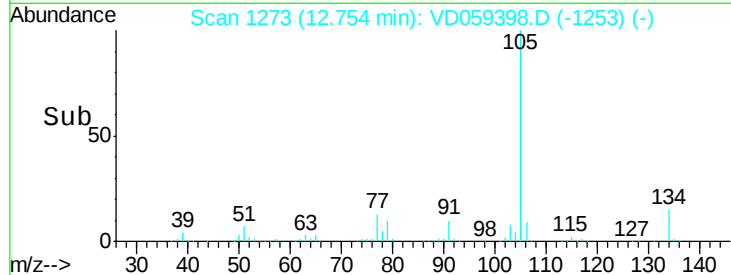
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 26.465 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

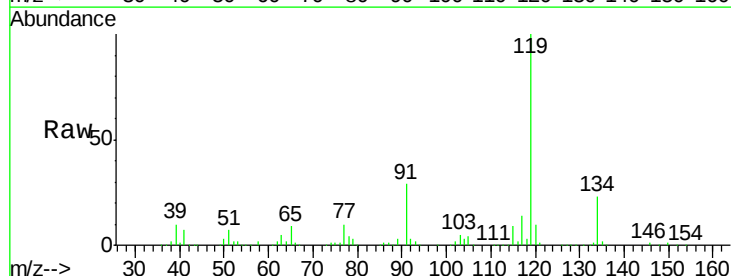
Tgt Ion:119 Resp: 554822

Ion Ratio Lower Upper

119 100

134 23.2 11.9 35.5

91 28.8 14.1 42.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.88

500000

400000

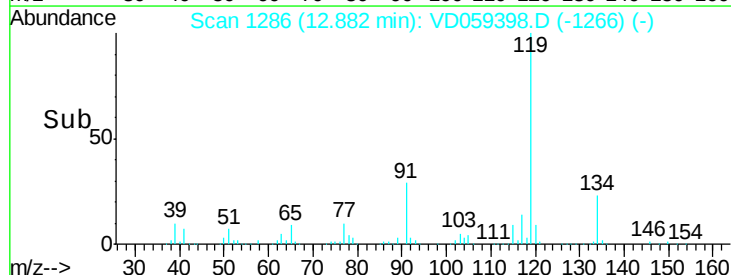
300000

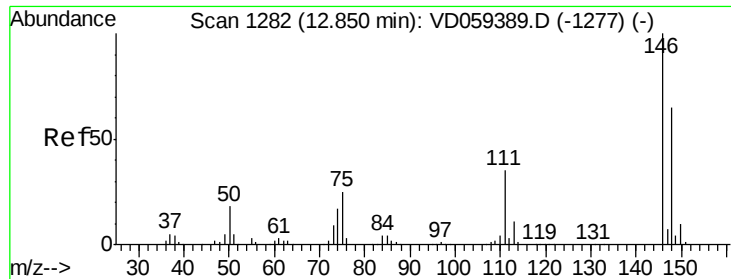
200000

100000

0

Time-->

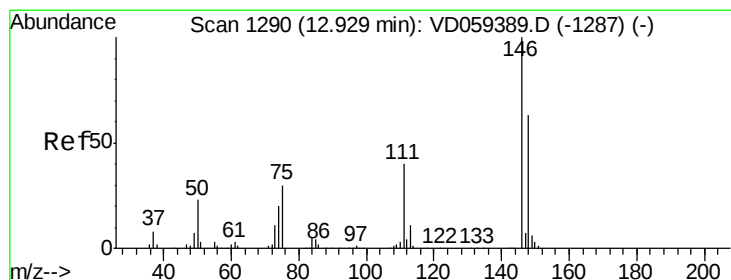
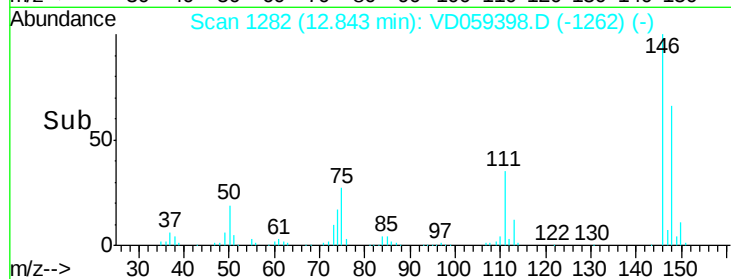
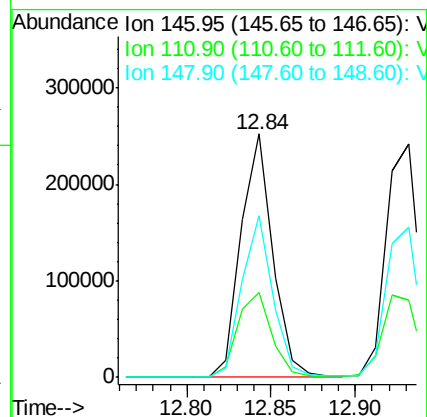
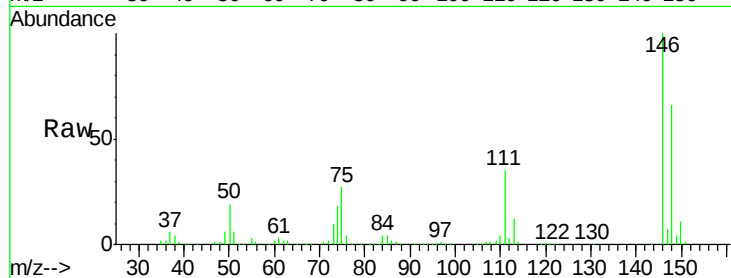




#87
 1,3-Dichlorobenzene
 Concen: 25.539 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

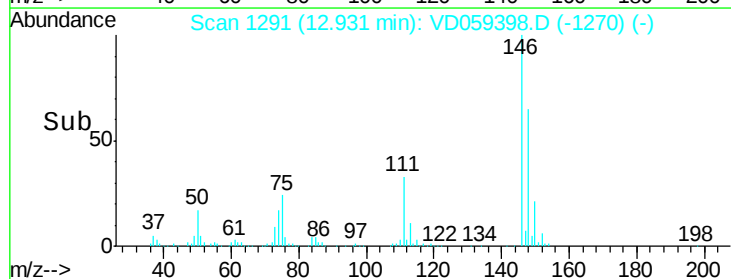
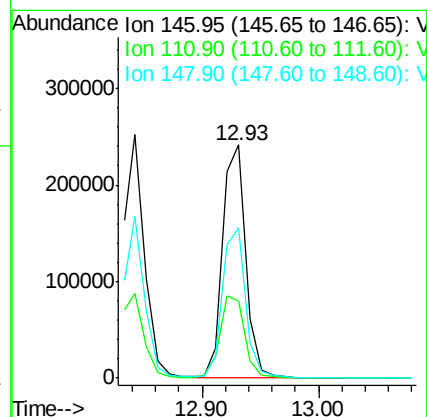
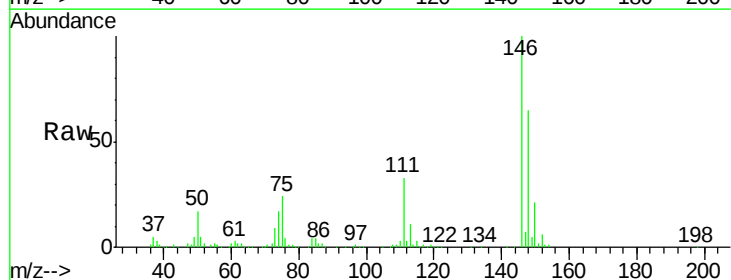
Instrument :
 MSVOA_D
 ClientSampleId :

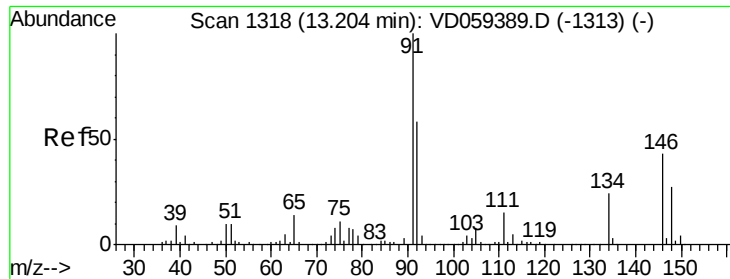
Tot Ion:146 Resp: 330995
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.6 52.8
 148 66.2 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 26.043 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Tgt Ion:146 Resp: 333078
 Ion Ratio Lower Upper
 146 100
 111 33.2 20.1 60.2
 148 64.6 31.4 94.0

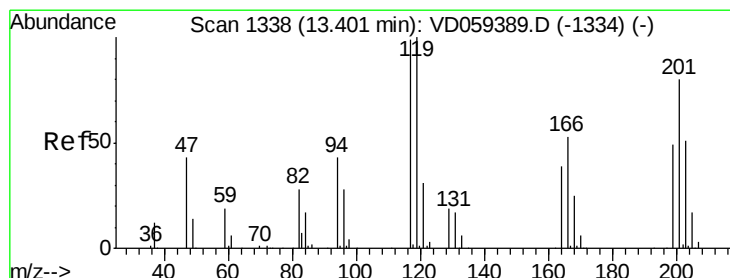
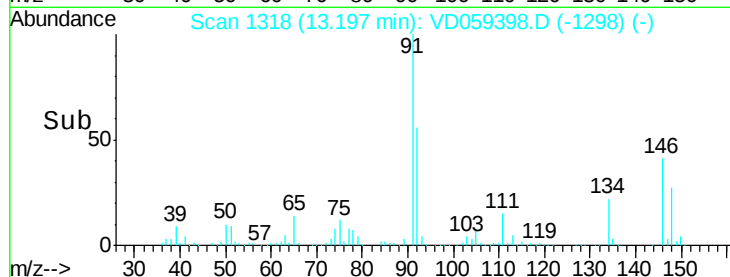
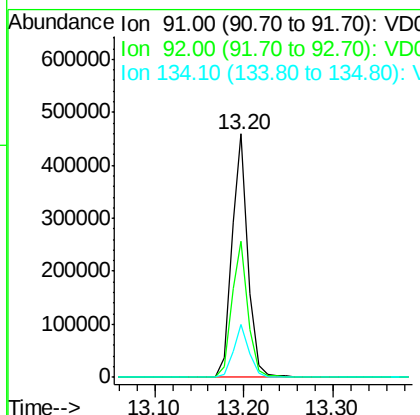
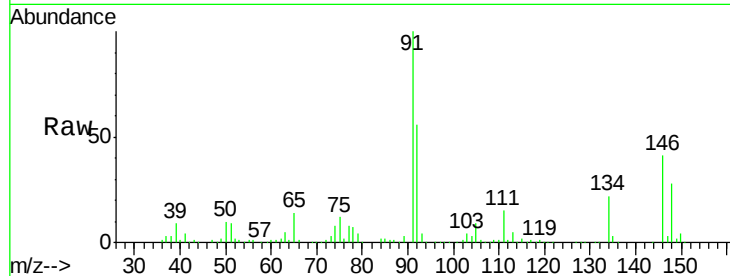




#89
n-Butylbenzene
Concen: 28.181 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

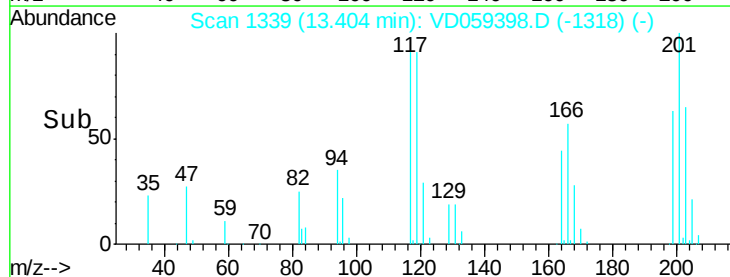
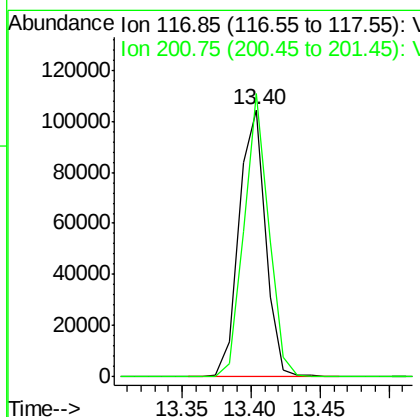
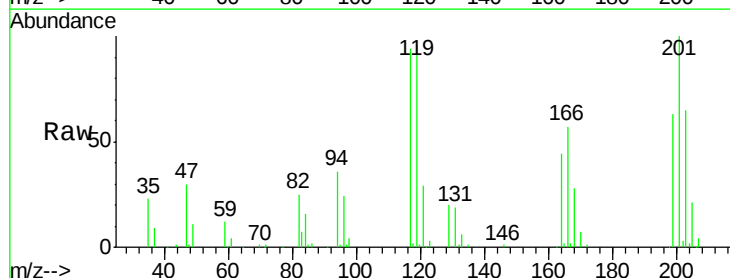
Instrument :
MSVOA_D
ClientSampleID :

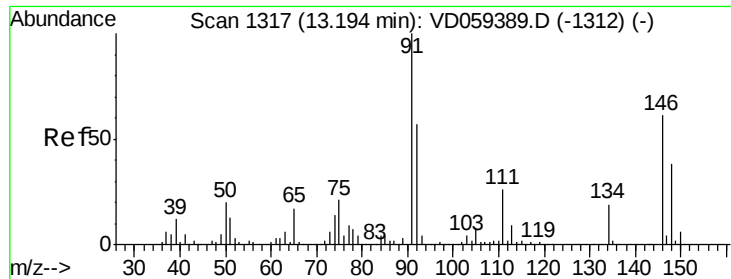
Tot Ion: 91 Resp: 583164
Ion Ratio Lower Upper
91 100
92 55.9 28.8 86.5
134 21.9 11.9 35.7



#90
Hexachloroethane
Concen: 26.880 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059398.D
Acq: 25 Jun 2018 14:51

Tgt Ion: 117 Resp: 140590
Ion Ratio Lower Upper
117 100
201 106.1 40.1 120.3

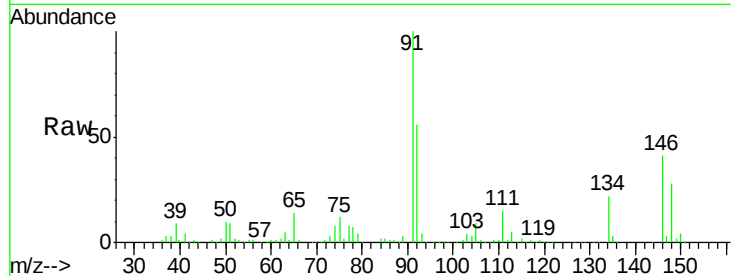




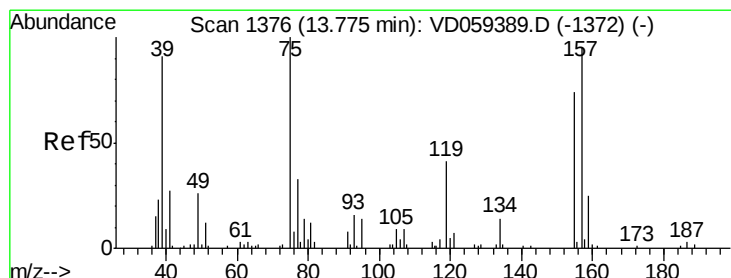
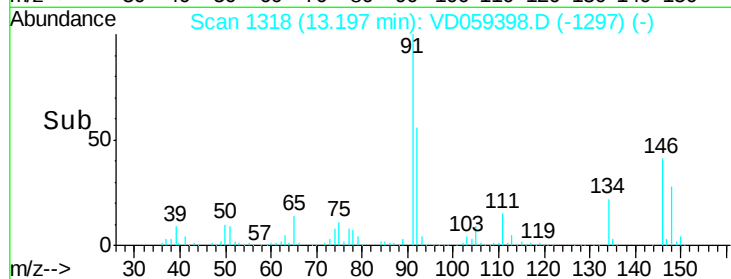
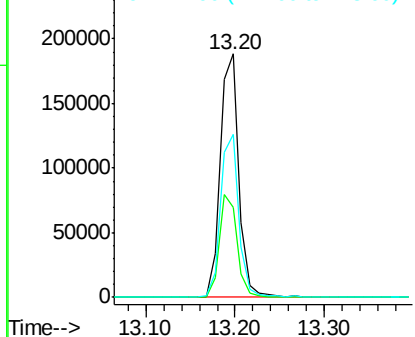
#91
 1,2-Dichlorobenzene
 Concen: 25.258 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 277553
 Ion Ratio Lower Upper
 146 100
 111 36.8 21.4 64.2
 148 67.0 31.6 95.0

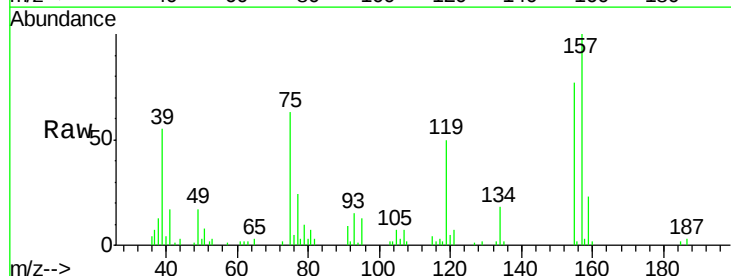


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

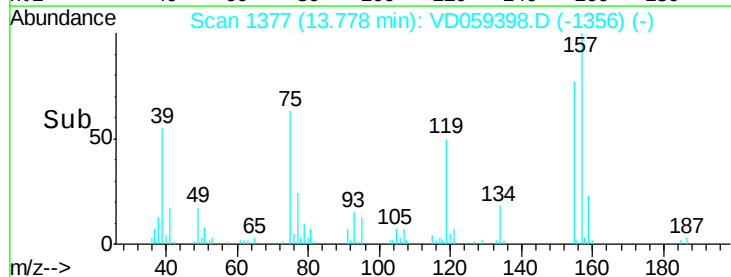
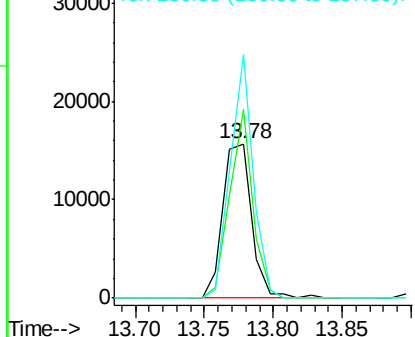


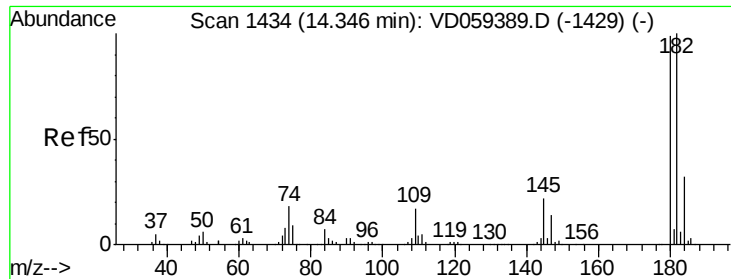
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.614 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Tgt Ion: 75 Resp: 22865
 Ion Ratio Lower Upper
 75 100
 155 121.9 37.2 111.6#
 157 157.5 47.4 142.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

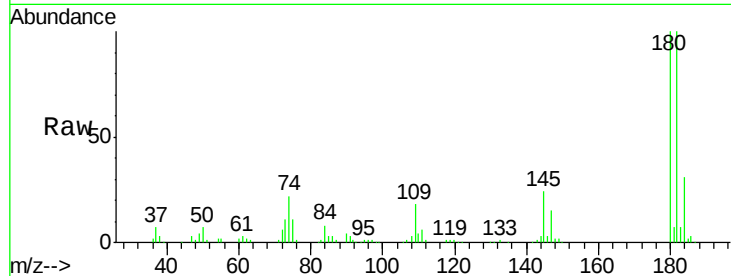




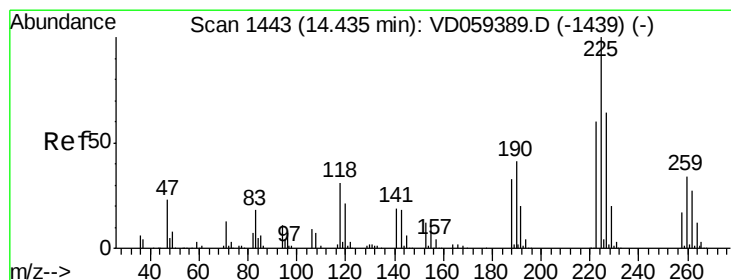
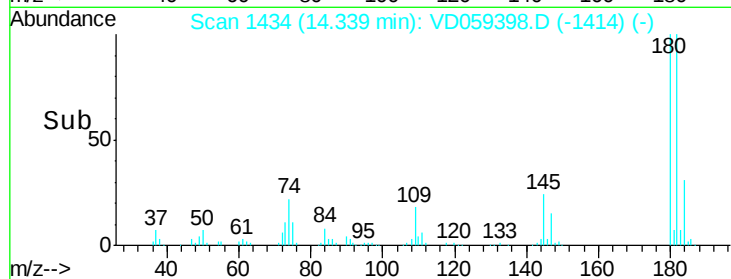
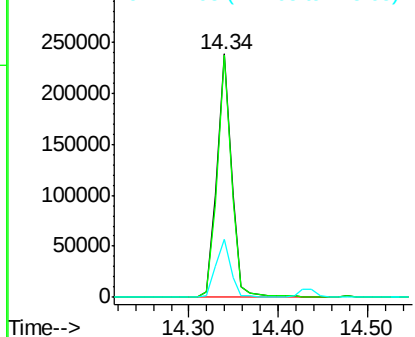
#93
 1,2,4-Trichlorobenzene
 Concen: 27.404 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 278412
 Ion Ratio Lower Upper
 180 100
 182 99.8 50.4 151.2
 145 23.8 11.0 33.0

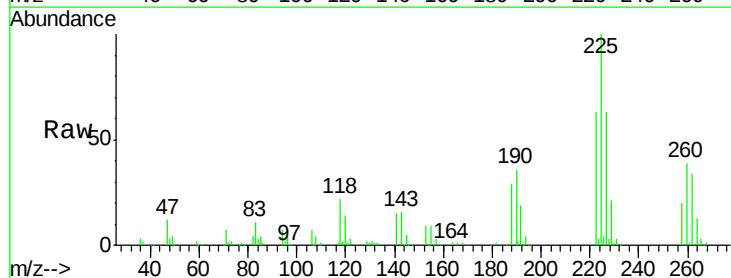


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

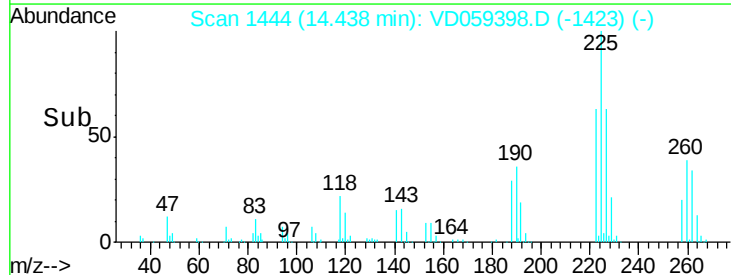
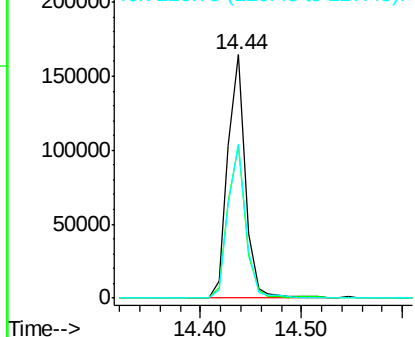


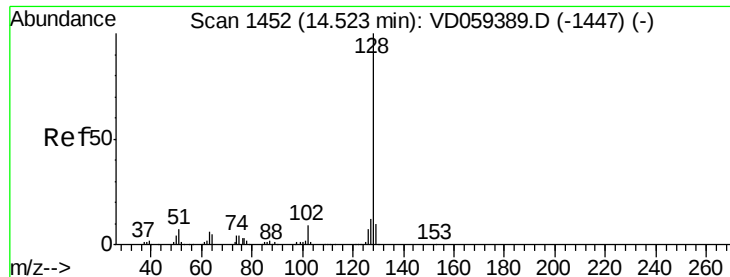
#94
 Hexachlorobutadiene
 Concen: 26.205 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059398.D
 Acq: 25 Jun 2018 14:51

Tgt Ion:225 Resp: 200333
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.0 90.1
 227 63.1 32.1 96.5



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: 23.864 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

Instrument :

MSVOA_D

ClientSampleId :

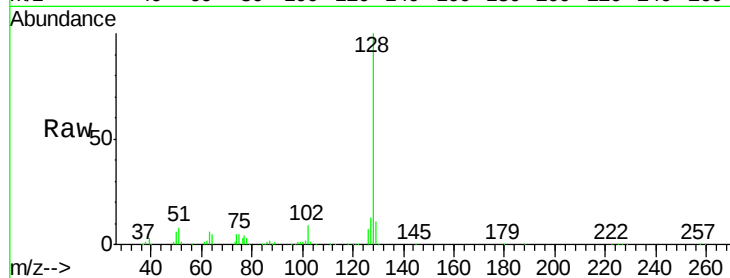
Tot Ion:128 Resp: 337904

Ion Ratio Lower Upper

128 100

127 13.3 9.6 14.4

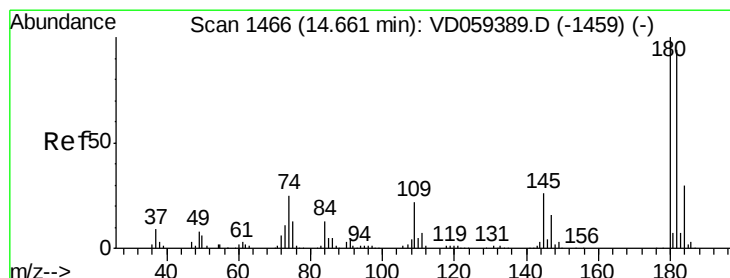
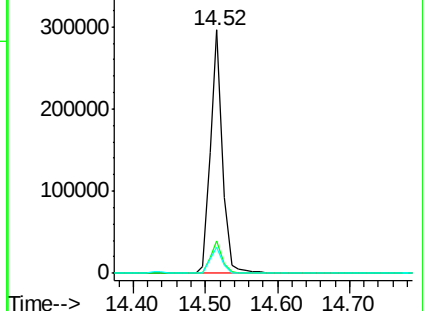
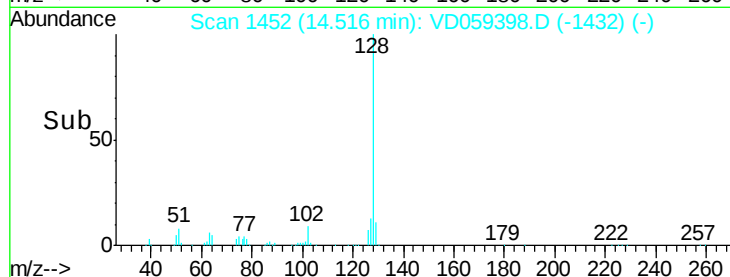
129 10.9 8.2 12.2



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: 24.645 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059398.D

Acq: 25 Jun 2018 14:51

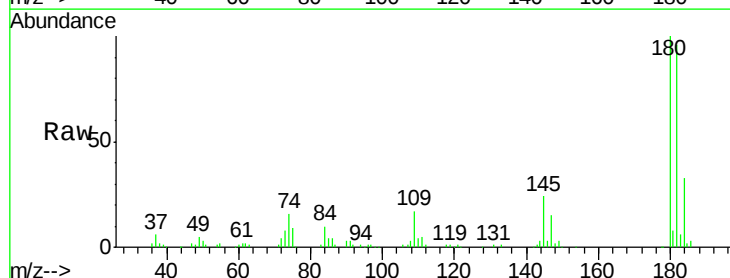
Tgt Ion:180 Resp: 225125

Ion Ratio Lower Upper

180 100

182 96.4 47.1 141.4

145 24.5 13.1 39.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

