

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059438.D
 Acq On : 27 Jun 2018 11:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 15:04:27 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	1001024	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1293640	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1012315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	533577	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	429713	41.98	ug/l	0.00
Spiked Amount			Recovery	=	83.96%	
35) Dibromofluoromethane	5.55	113	471429	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	
50) Toluene-d8	8.70	98	1057613	42.93	ug/l	-0.01
Spiked Amount			Recovery	=	85.86%	
62) 4-Bromofluorobenzene	11.93	95	474122	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	412684	46.34	ug/l	97
3) Chloromethane	1.49	50	198949	42.93	ug/l	91
4) Vinyl Chloride	1.56	62	210764	43.84	ug/l	98
5) Bromomethane	1.81	94	89569	54.60	ug/l	99
6) Chloroethane	1.90	64	106919	52.75	ug/l	100
7) Trichlorofluoromethane	2.10	101	369632	53.32	ug/l	98
8) Diethyl Ether	2.35	74	71415	45.53	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.57	101	229749	53.33	ug/l	98
10) Methyl Iodide	2.71	142	238942	47.48	ug/l	98
11) Tert butyl alcohol	3.27	59	85196	240.57	ug/l	99
12) 1,1-Dichloroethene	2.56	96	169606	51.42	ug/l	96
13) Acrolein	2.48	56	59053	186.52	ug/l	92
14) Allyl chloride	2.93	41	368777	48.85	ug/l	98
15) Acrylonitrile	3.37	53	294170	270.65	ug/l	97
16) Acetone	2.62	43	380347	294.39	ug/l	98
17) Carbon Disulfide	2.76	76	473666	46.89	ug/l	99
18) Methyl Acetate	2.94	43	123640	44.91	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	761907	46.93	ug/l	99
20) Methylene Chloride	3.08	84	183592	51.30	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	340074	58.31	ug/l	95
22) Diisopropyl ether	4.07	45	1306587	46.00	ug/l	95
23) Vinyl Acetate	4.02	43	3507769	237.01	ug/l	99
24) 1,1-Dichloroethane	3.98	63	773509	47.59	ug/l	97
25) 2-Butanone	4.84	43	605103	223.58	ug/l	100
26) 2,2-Dichloropropane	4.80	77	706475	56.05	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	433666	44.25	ug/l	97
28) Bromochloromethane	5.15	49	334565	47.48	ug/l	95
29) Tetrahydrofuran	5.19	42	276711	186.92	ug/l	92
30) Chloroform	5.32	83	858521	48.46	ug/l	93
31) Cyclohexane	5.59	56	516918	48.04	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	706550	49.25	ug/l	97
36) 1,1-Dichloropropene	5.75	75	557552	47.51	ug/l	99
37) Ethyl Acetate	4.93	43	304252	42.57	ug/l	96
38) Carbon Tetrachloride	5.73	117	600036	49.59	ug/l	98

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 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)
39) Methylcyclohexane	7.28	83	528451	47.48	ug/l	96
40) Benzene	6.01	78	1283896	45.59	ug/l	98
41) Methacrylonitrile	5.13	41	144075	41.86	ug/l	95
42) 1,2-Dichloroethane	6.13	62	557240	44.78	ug/l	99
43) Isopropyl Acetate	7.61	43	377623	42.08	ug/l #	97
44) Trichloroethene	6.98	130	424045	45.99	ug/l	95
45) 1,2-Dichloropropane	7.34	63	363893	46.65	ug/l	95
46) Dibromomethane	7.46	93	254052	45.29	ug/l	92
47) Bromodichloromethane	7.74	83	620207	49.41	ug/l	96
48) Methyl methacrylate	7.50	41	235712	43.11	ug/l	99
49) 1,4-Dioxane	7.48	88	46024	839.28	ug/l	96
51) 4-Methyl-2-Pentanone	8.59	43	1255524	209.93	ug/l	100
52) Toluene	8.80	92	731323	43.48	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	517485	49.34	ug/l	98
54) cis-1,3-Dichloropropene	8.36	75	599347	49.35	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	274497	44.95	ug/l	94
56) Ethyl methacrylate	9.31	69	308091	44.22	ug/l	97
57) 1,3-Dichloropropane	9.67	76	457912	45.85	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.19	63	786489	219.26	ug/l	98
59) 2-Hexanone	9.78	43	997447	234.66	ug/l	98
60) Dibromochloromethane	9.95	129	405721	47.45	ug/l	96
61) 1,2-Dibromoethane	10.09	107	305728	44.96	ug/l	100
64) Tetrachloroethene	9.51	164	402942	45.37	ug/l	95
65) Chlorobenzene	10.72	112	901911	48.72	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	352213	49.57	ug/l	97
67) Ethyl Benzene	10.86	91	1552940	49.72	ug/l	99
68) m/p-Xylenes	11.01	106	959686	92.61	ug/l	95
69) o-Xylene	11.40	106	504559	49.25	ug/l	94
70) Styrene	11.43	104	855659	48.72	ug/l	96
71) Bromoform	11.60	173	289505	49.18	ug/l	95
73) Isopropylbenzene	11.77	105	1451455	48.20	ug/l	97
74) N-amyl acetate	11.64	43	500022	43.65	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	328939	46.56	ug/l	91
76) 1,2,3-Trichloropropane	12.11	75	348444	47.34	ug/l	100
77) Bromobenzene	12.04	156	465243	49.09	ug/l	90
78) n-propylbenzene	12.15	91	1853801	48.61	ug/l	95
79) 2-Chlorotoluene	12.22	91	1113324	49.71	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	1134017	47.31	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	90096	53.86	ug/l	84
82) 4-Chlorotoluene	12.32	91	1189786	46.85	ug/l	95
83) tert-Butylbenzene	12.57	119	1280587	50.22	ug/l	88
84) 1,2,4-Trimethylbenzene	12.62	105	1171412	46.18	ug/l	94
85) sec-Butylbenzene	12.76	105	1571709	50.23	ug/l	95
86) p-Isopropyltoluene	12.88	119	1254551	49.75	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	748184	47.99	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	740960	48.16	ug/l	95
89) n-Butylbenzene	13.19	91	1258842	50.57	ug/l	98
90) Hexachloroethane	13.40	117	354974	56.42	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	594991	45.01	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	53092	45.58	ug/l	72

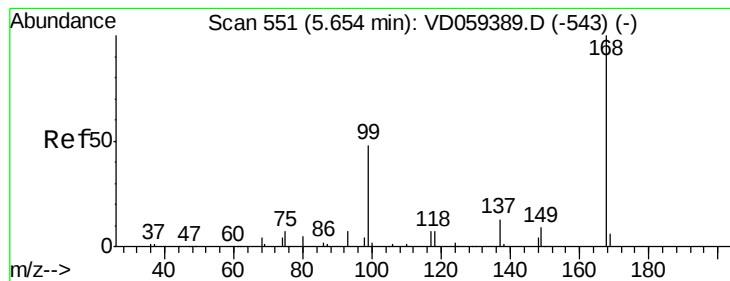
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	605886	49.58	ug/l	94
94) Hexachlorobutadiene	14.43	225	479993	52.19	ug/l	99
95) Naphthalene	14.51	128	771799	45.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	520117	47.33	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

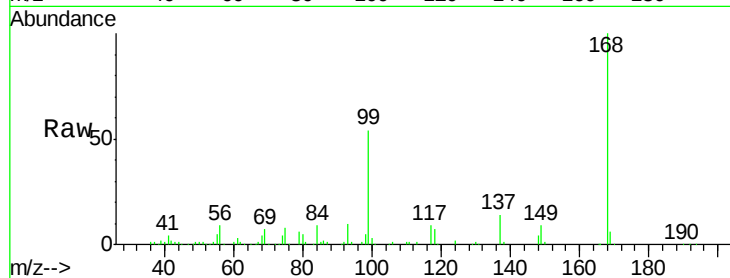
ClientSampleId :

Tot Ion:168 Resp: 1001024

Ion Ratio Lower Upper

168 100

99 53.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

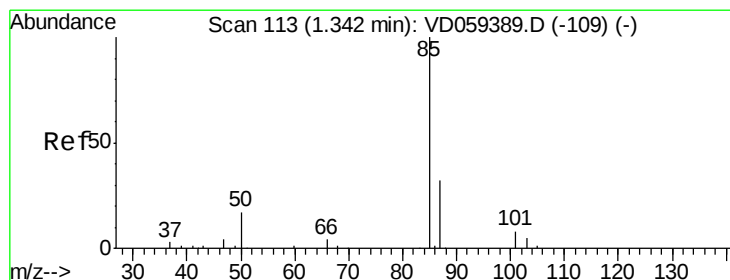
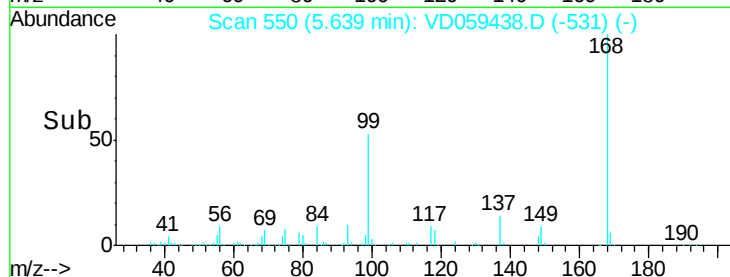
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.34 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD059438.D

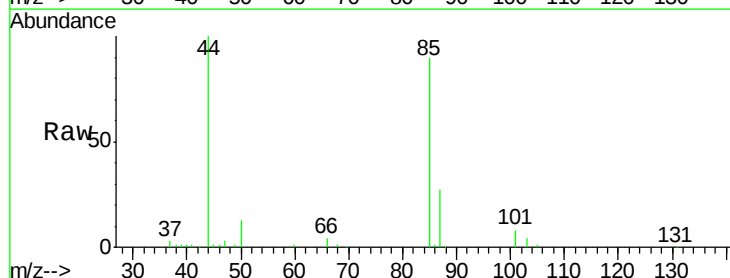
Acq: 27 Jun 2018 11:46

Tgt Ion: 85 Resp: 412684

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.36

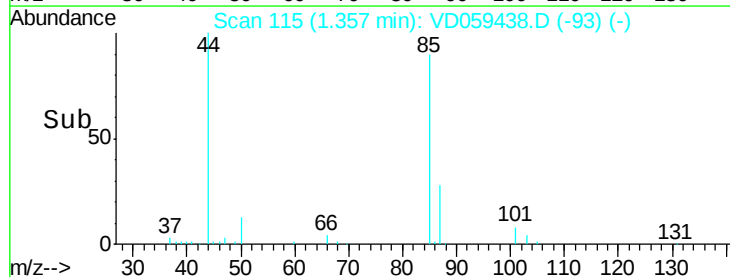
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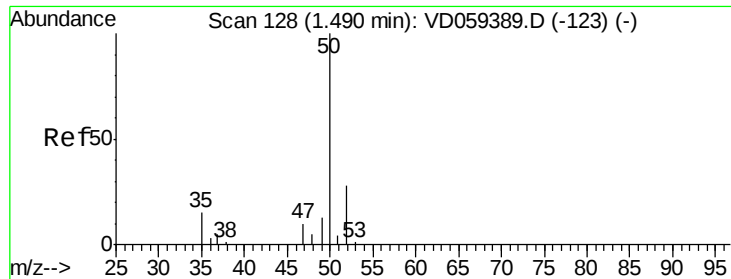
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.93 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

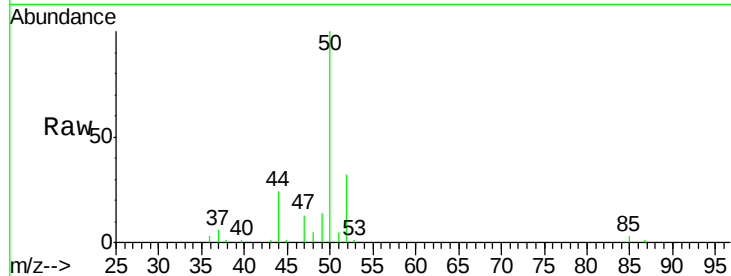
ClientSampled :

Tot Ion: 50 Resp: 198949

Ion Ratio Lower Upper

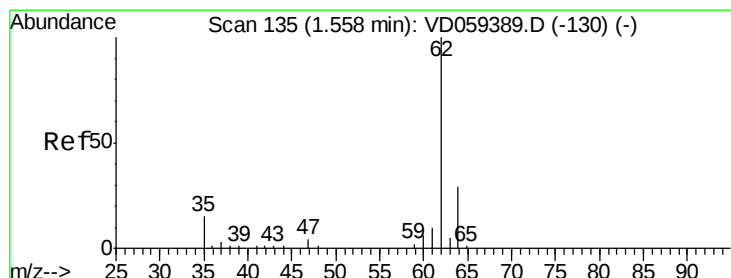
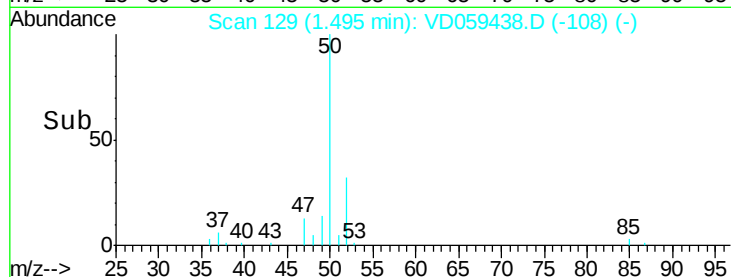
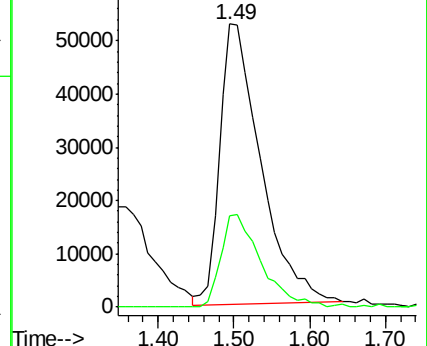
50 100

52 32.2 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: 43.84 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD059438.D

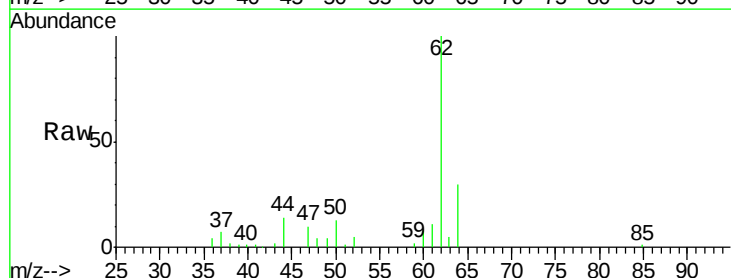
Acq: 27 Jun 2018 11:46

Tgt Ion: 62 Resp: 210764

Ion Ratio Lower Upper

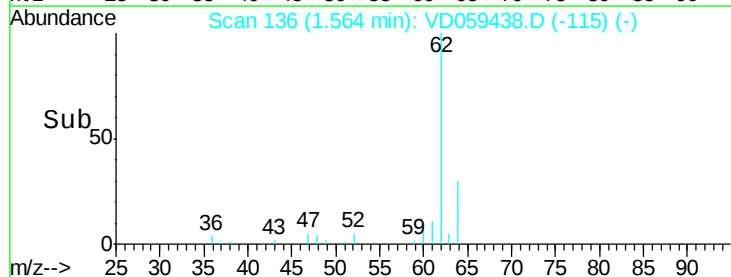
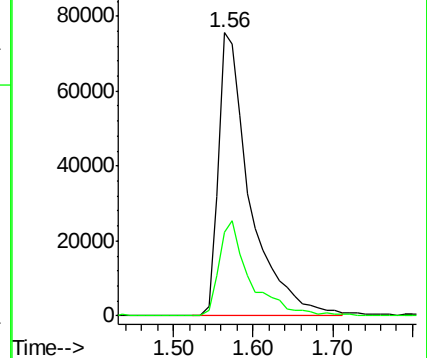
62 100

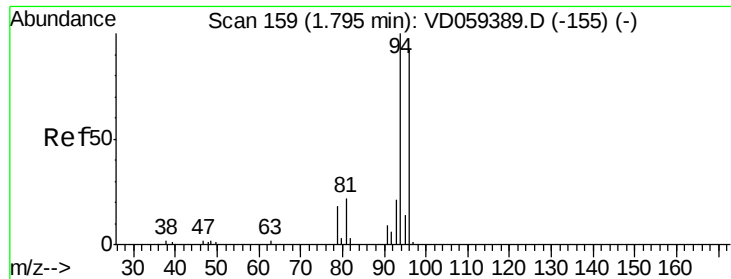
64 29.7 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 54.60 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

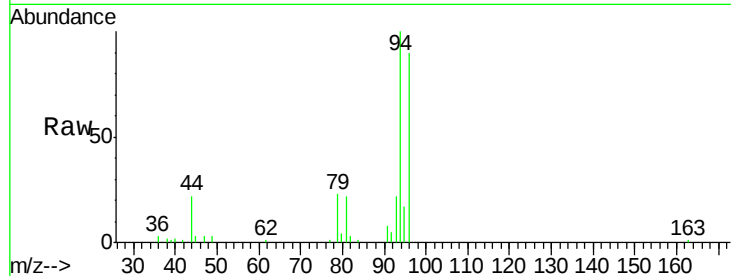
ClientSampleId :

Tot Ion: 94 Resp: 89569

Ion Ratio Lower Upper

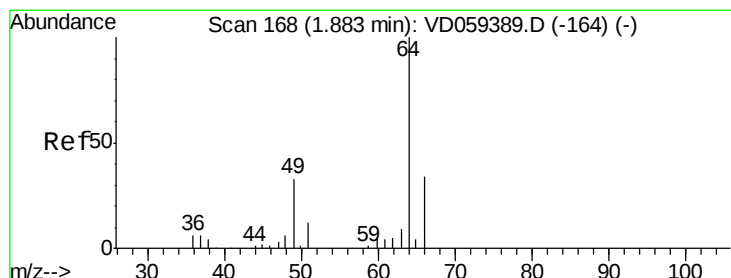
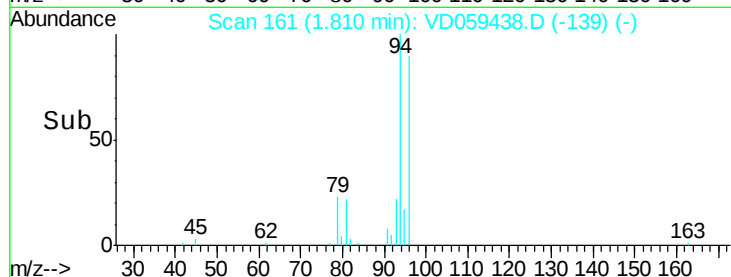
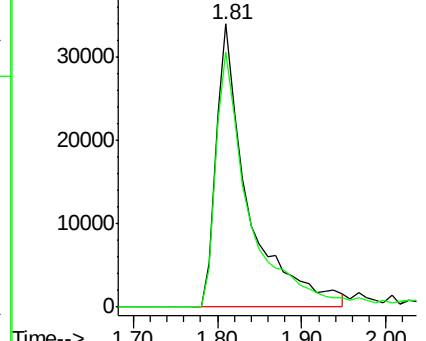
94 100

96 90.3 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.75 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD059438.D

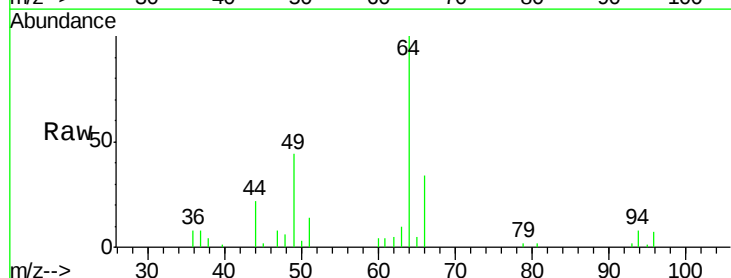
Acq: 27 Jun 2018 11:46

Tgt Ion: 64 Resp: 106919

Ion Ratio Lower Upper

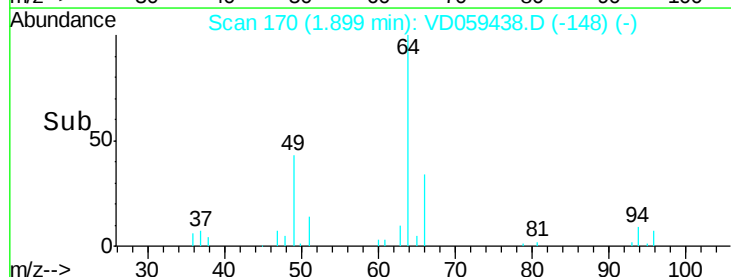
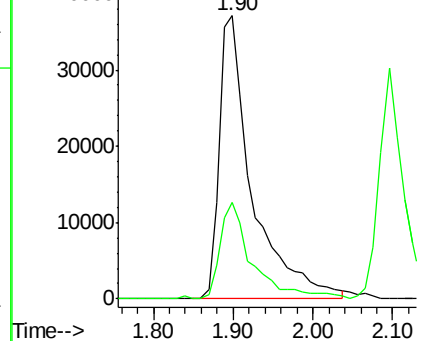
64 100

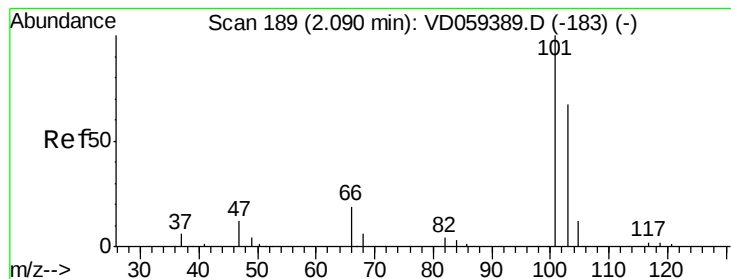
66 34.0 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



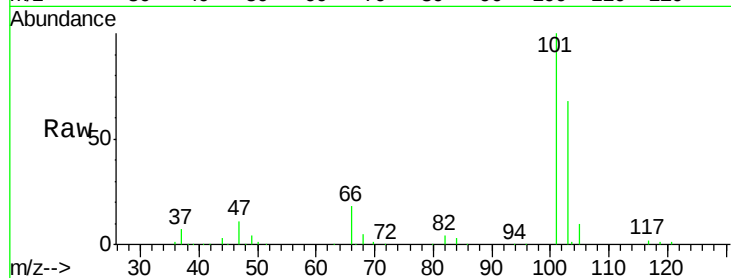


#7

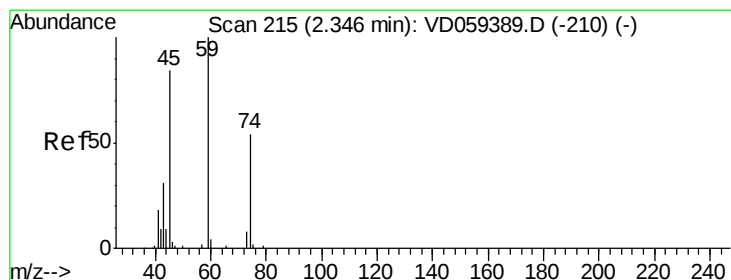
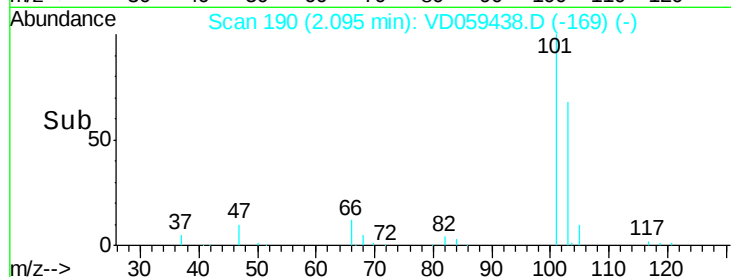
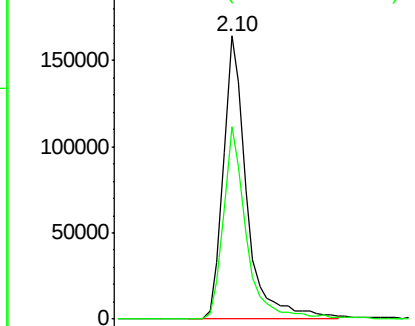
Trichlorofluoromethane
 Concen: 53.32 ug/l
 RT: 2.10 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 369632
 Ion Ratio Lower Upper
 101 100
 103 68.0 53.4 80.0



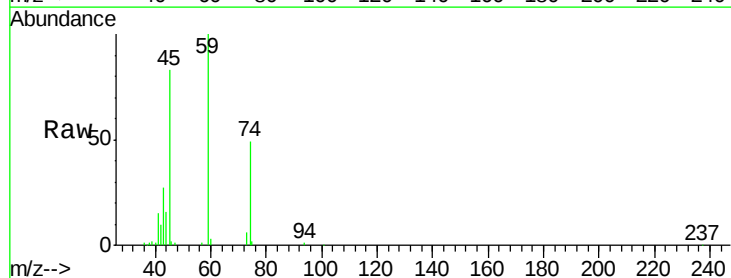
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



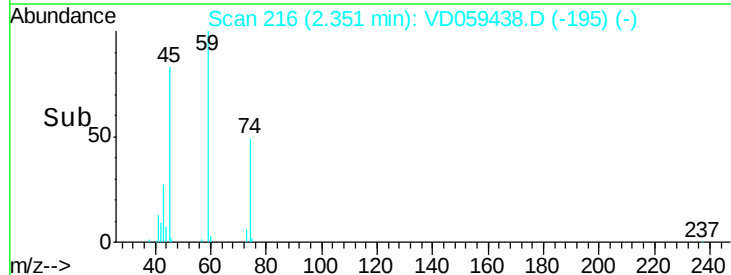
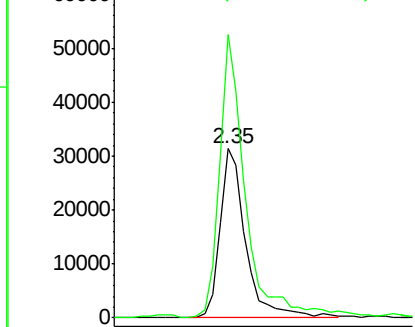
#8

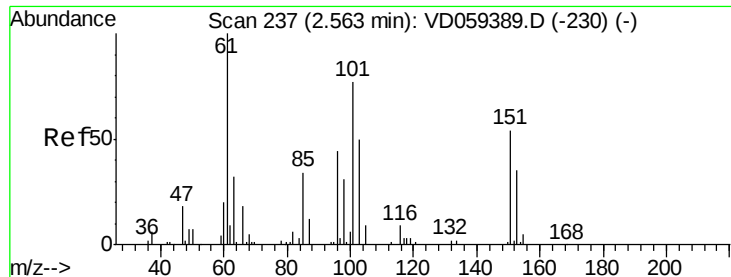
Diethyl Ether
 Concen: 45.53 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion: 74 Resp: 71415
 Ion Ratio Lower Upper
 74 100
 45 167.4 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: 53.33 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampled :

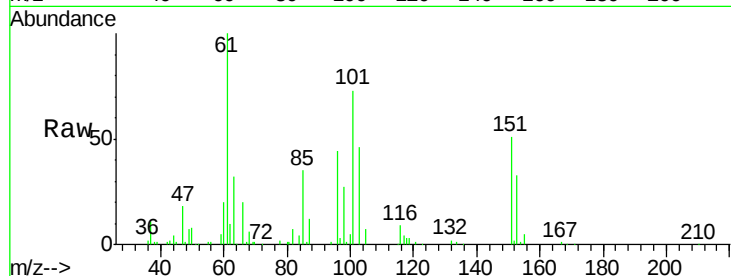
Tot Ion:101 Resp: 229749

Ion Ratio Lower Upper

101 100

85 47.3 35.7 53.5

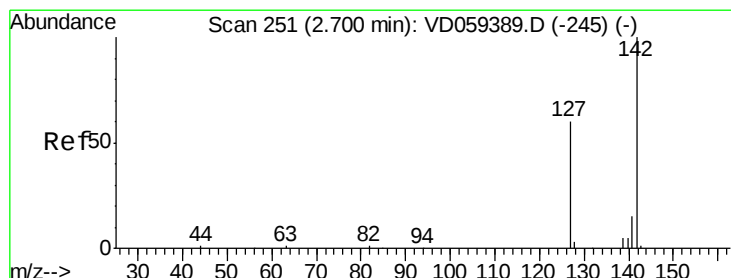
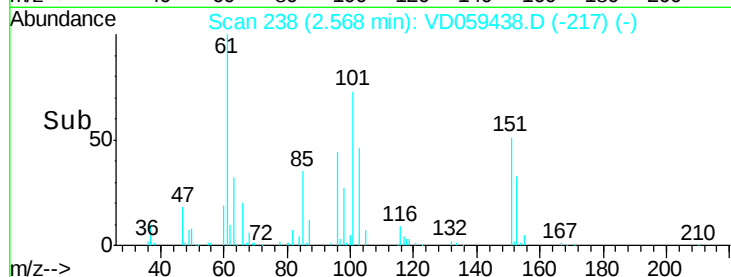
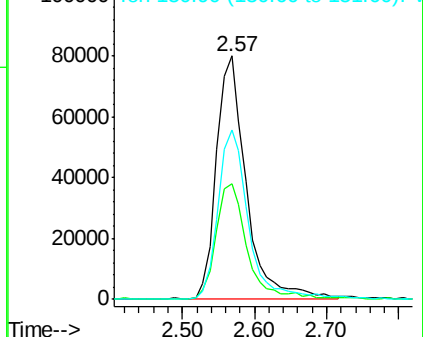
151 69.7 55.8 83.8



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: 47.48 ug/l

RT: 2.71 min Scan# 252

Delta R.T. 0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

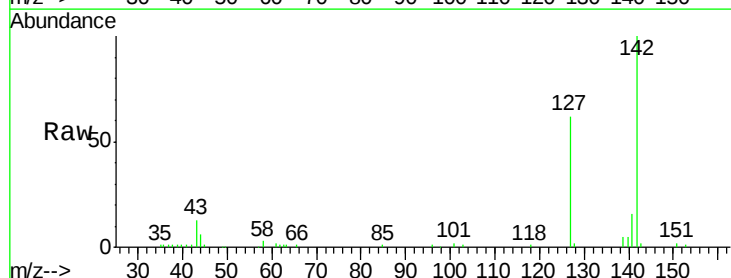
Tgt Ion:142 Resp: 238942

Ion Ratio Lower Upper

142 100

127 62.2 48.4 72.6

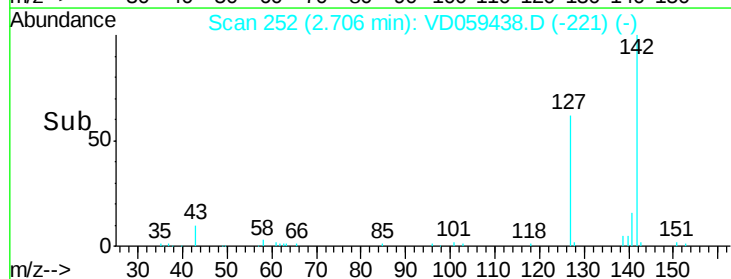
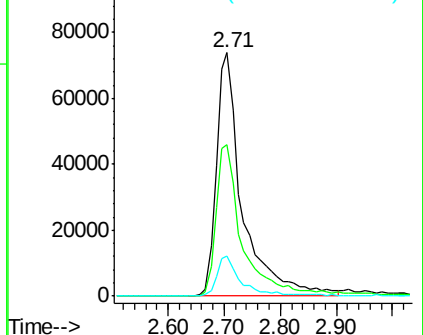
141 16.4 12.1 18.1

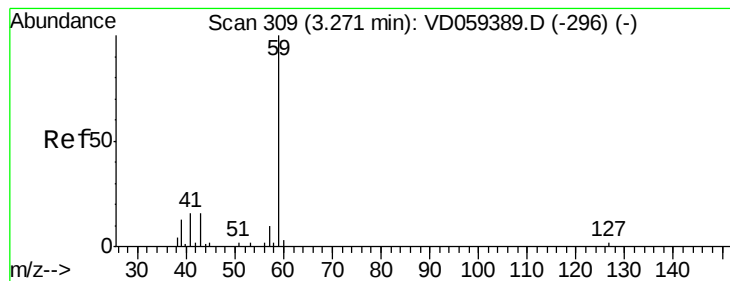


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 240.57 ug/l

RT: 3.27 min Scan# 309

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

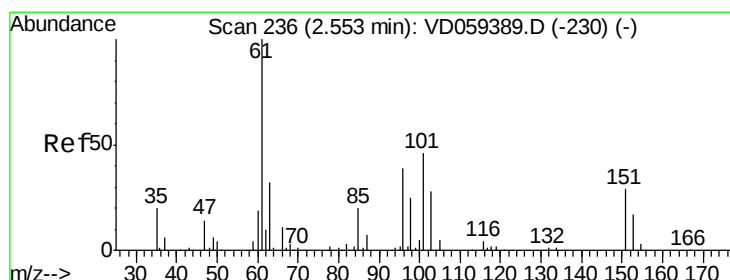
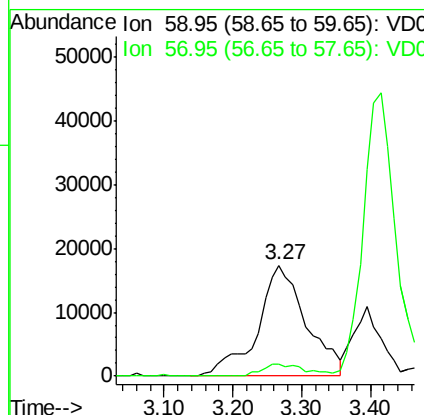
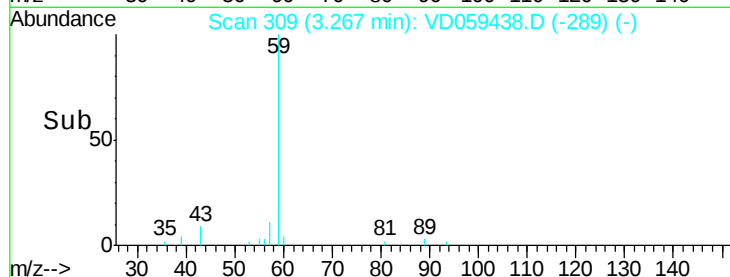
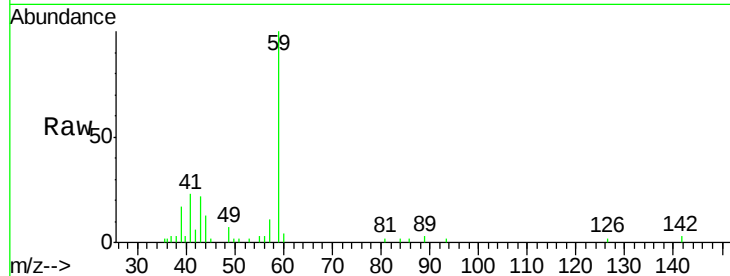
ClientSampleId :

Tot Ion: 59 Resp: 85196

Ion Ratio Lower Upper

59 100

57 10.9 8.3 12.5



#12

1,1-Dichloroethene

Concen: 51.42 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

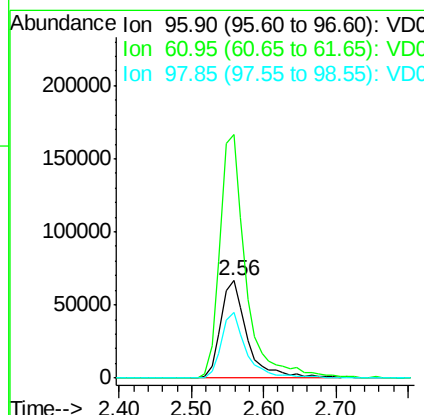
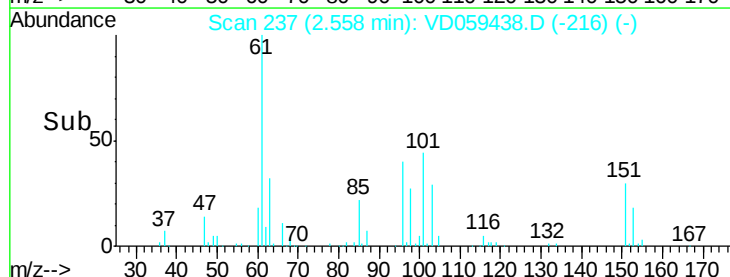
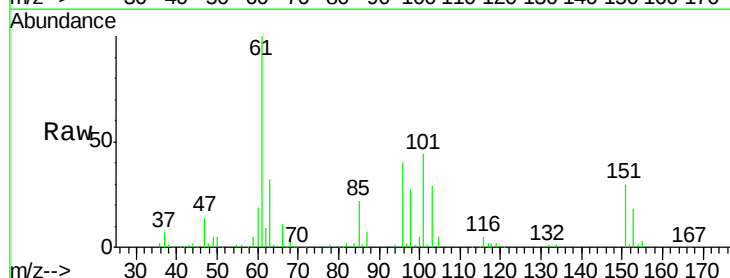
Tgt Ion: 96 Resp: 169606

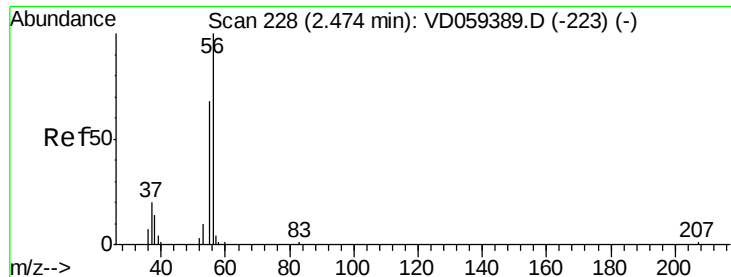
Ion Ratio Lower Upper

96 100

61 249.7 205.4 308.0

98 67.2 51.0 76.4





#13

Acrolein

Concen: 186.52 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

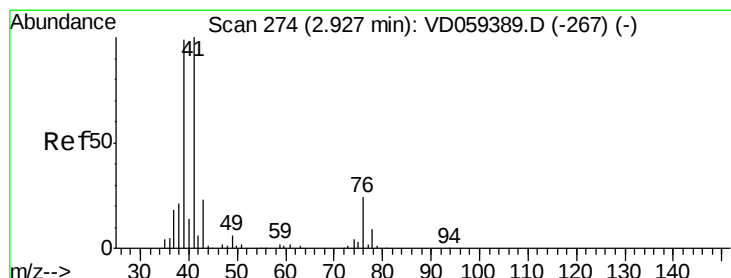
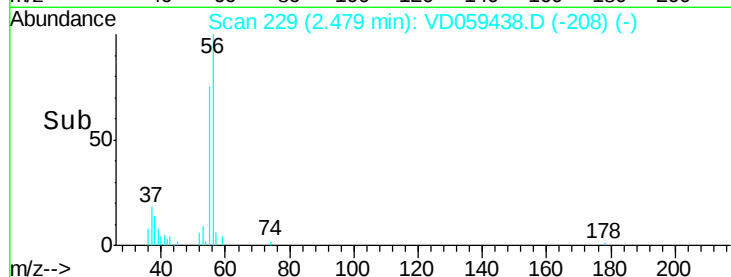
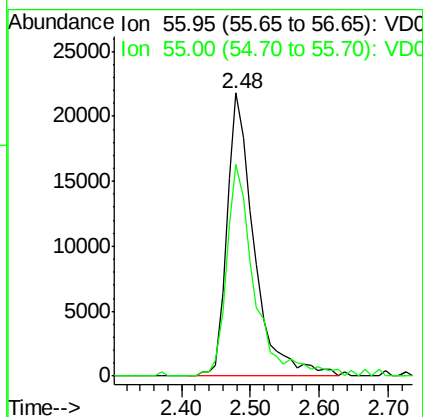
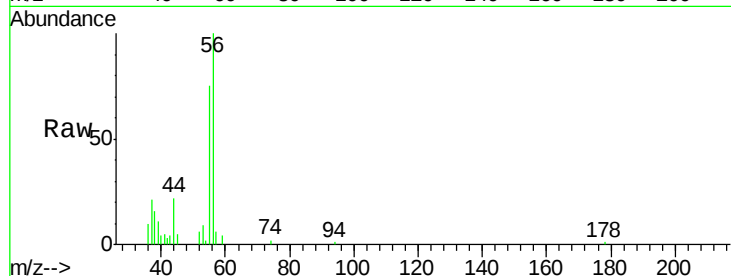
ClientSampleId :

Tot Ion: 56 Resp: 59053

Ion Ratio Lower Upper

56 100

55 74.7 54.6 82.0



#14

Allyl chloride

Concen: 48.85 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

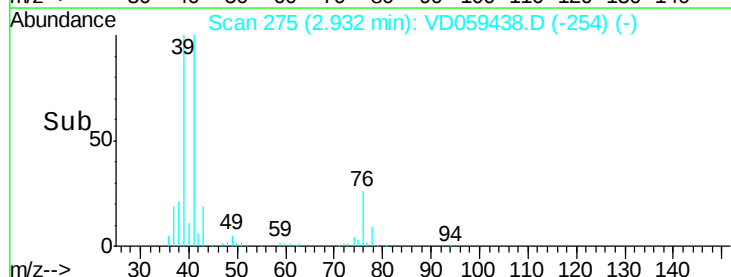
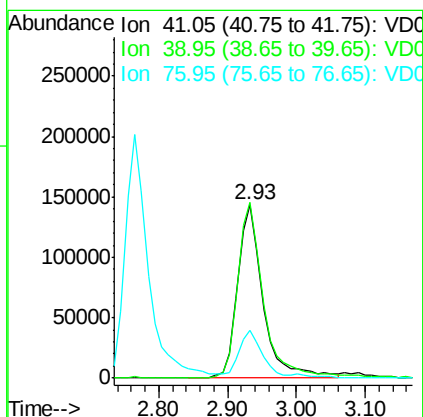
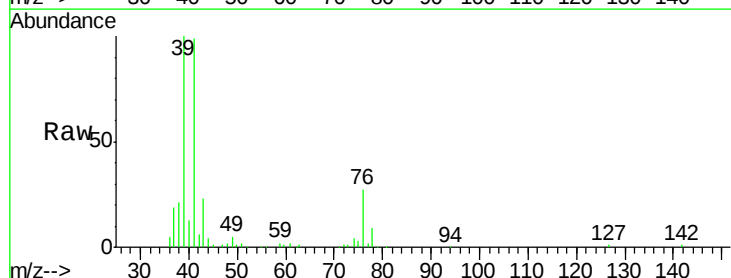
Tgt Ion: 41 Resp: 368777

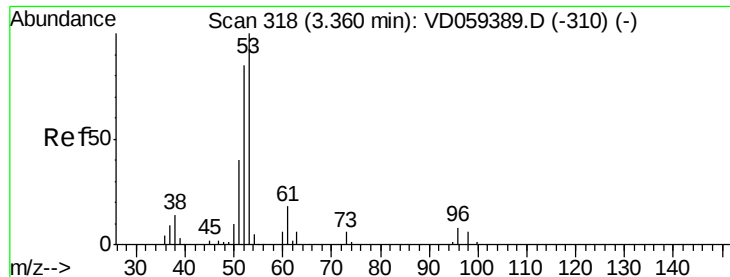
Ion Ratio Lower Upper

41 100

39 101.0 79.1 118.7

76 27.4 21.9 32.9





#15

Acrylonitrile

Concen: 270.65 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :
MSVOA_D
ClientSampled :

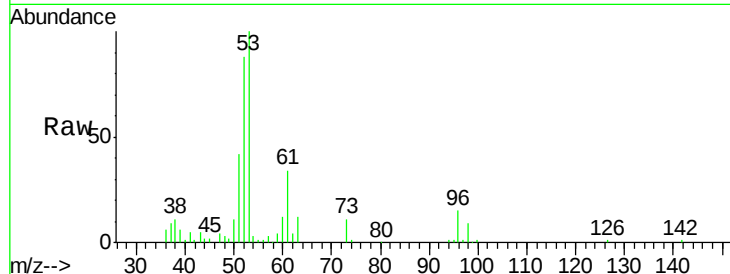
Tot Ion: 53 Resp: 294170

Ion Ratio Lower Upper

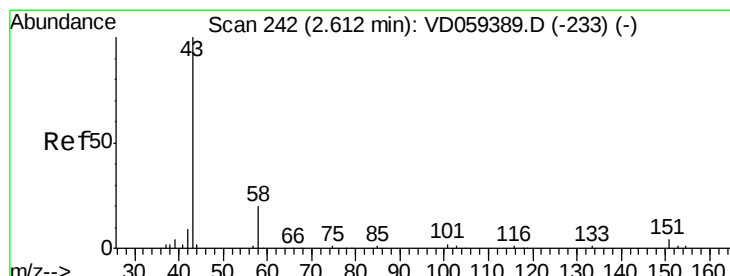
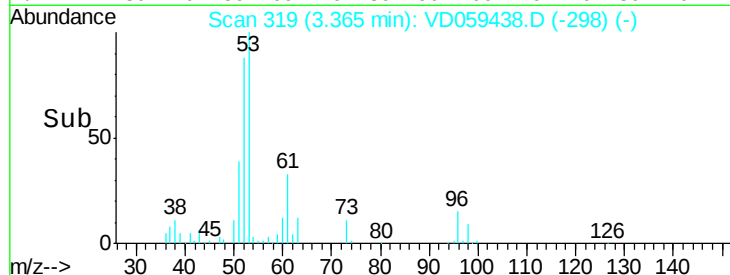
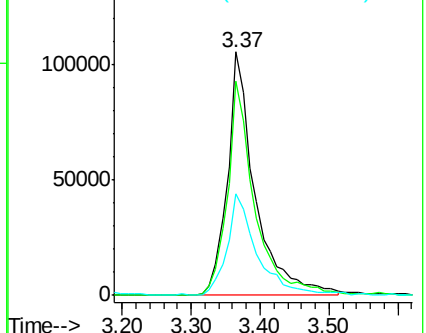
53 100

52 87.8 67.9 101.9

51 41.7 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: 294.39 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059438.D

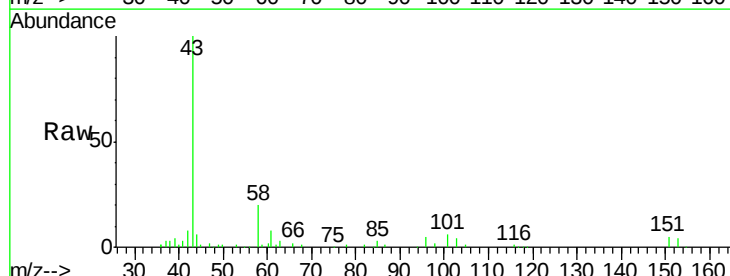
Acq: 27 Jun 2018 11:46

Tgt Ion: 43 Resp: 380347

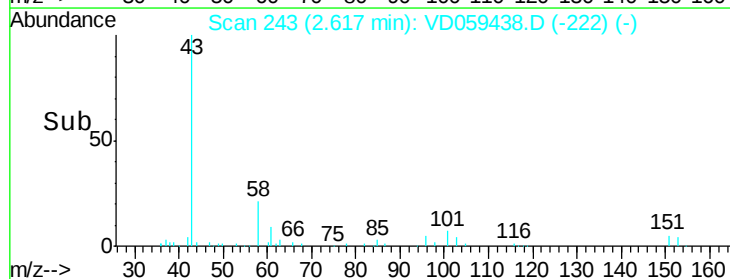
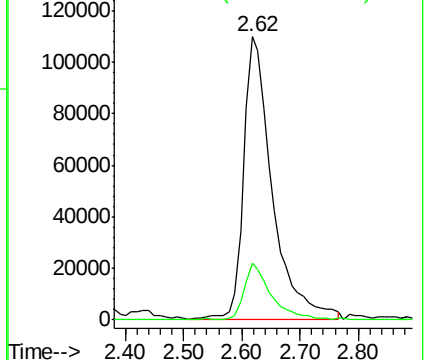
Ion Ratio Lower Upper

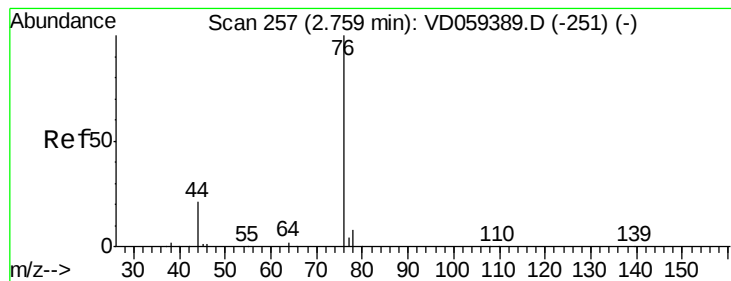
43 100

58 20.0 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: 46.89 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

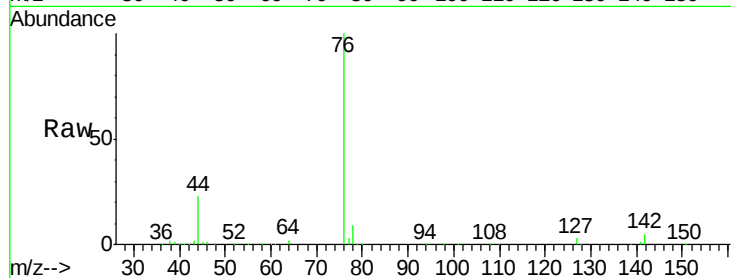
ClientSampleId :

Tot Ion: 76 Resp: 473666

Ion Ratio Lower Upper

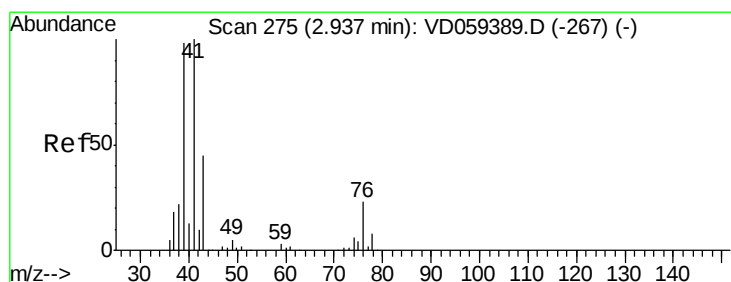
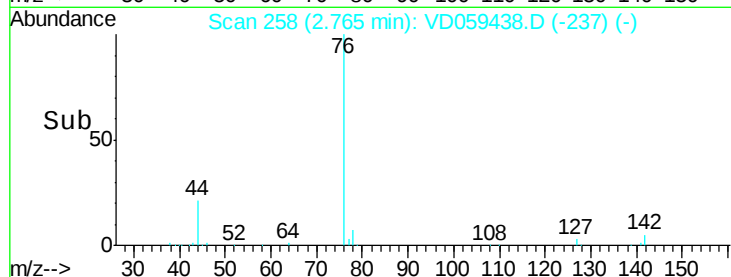
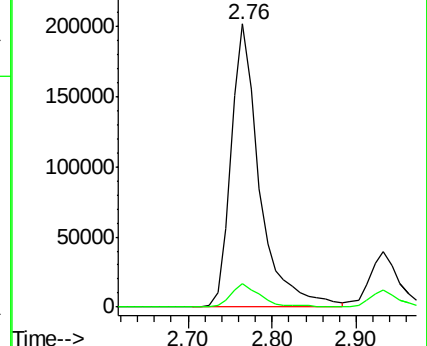
76 100

78 8.5 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: 44.91 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD059438.D

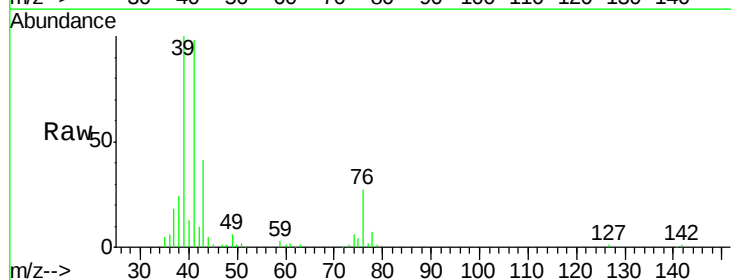
Acq: 27 Jun 2018 11:46

Tgt Ion: 43 Resp: 123640

Ion Ratio Lower Upper

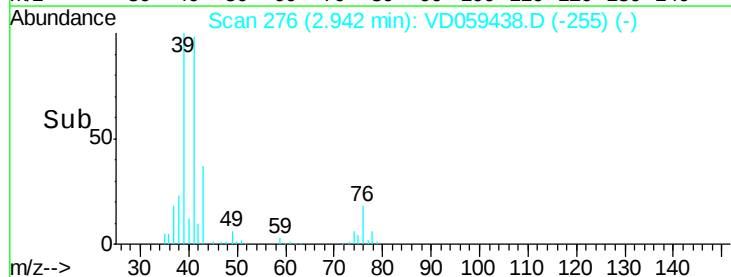
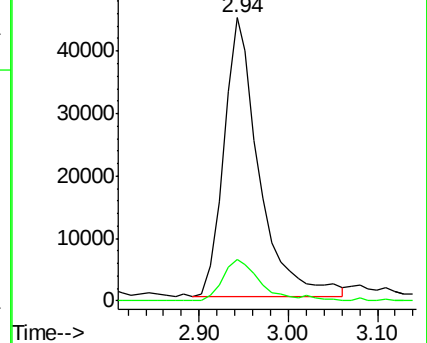
43 100

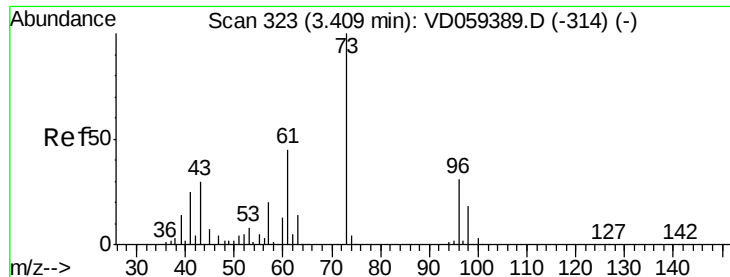
74 14.8 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



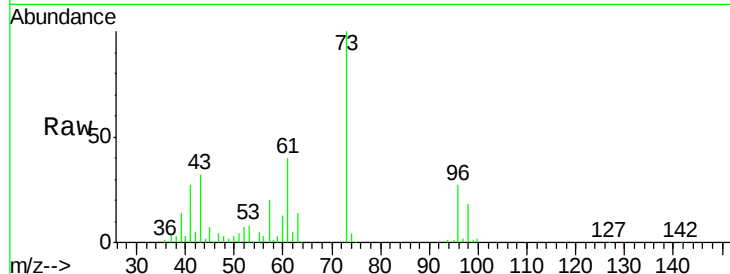


#19

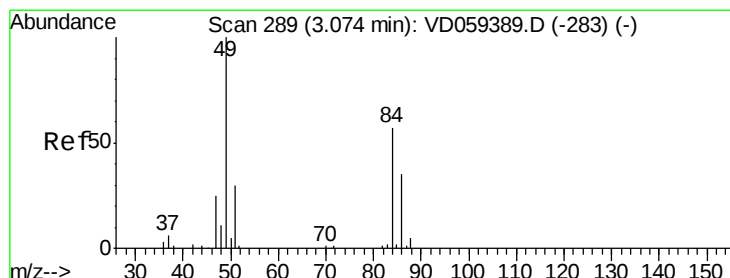
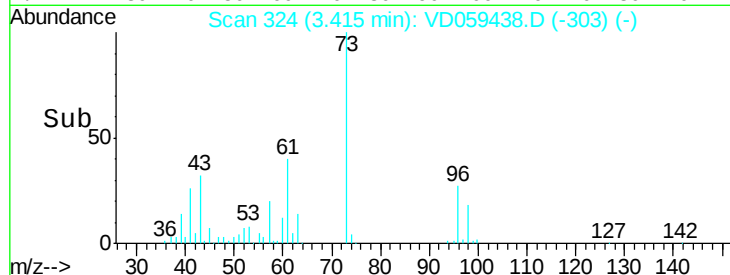
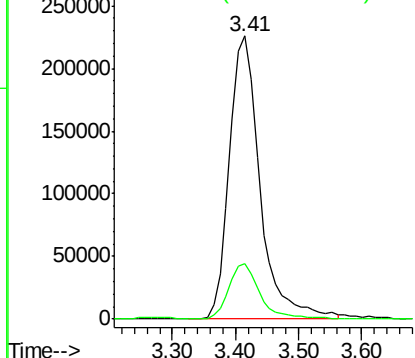
Methyl tert-butyl Ether
 Concen: 46.93 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 73 Resp: 761907
 Ion Ratio Lower Upper
 73 100
 57 19.6 16.1 24.1



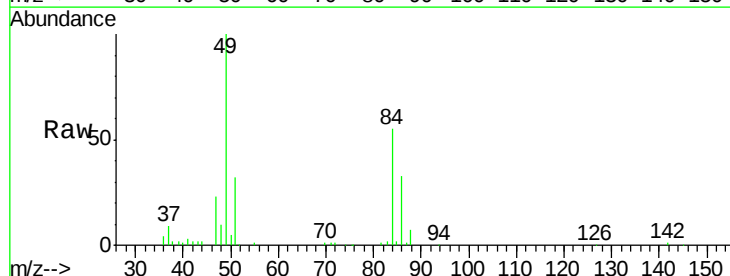
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



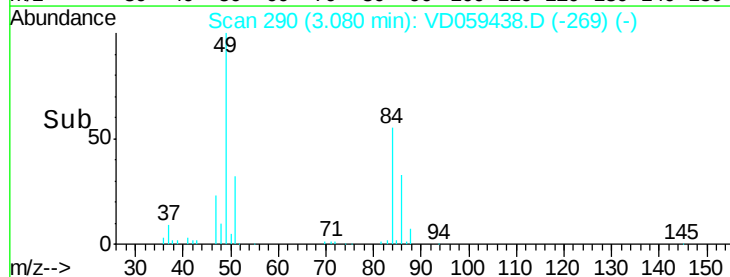
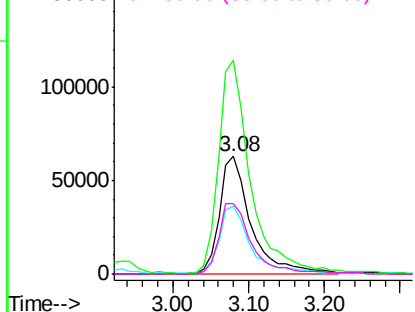
#20

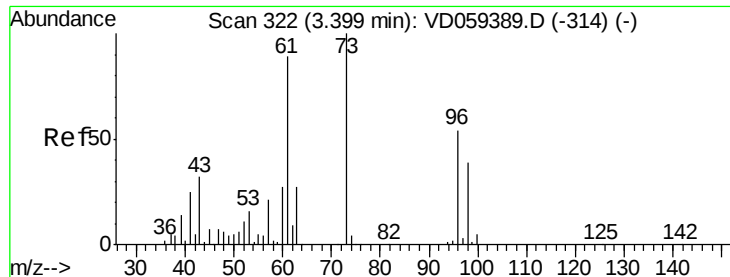
Methylene Chloride
 Concen: 51.30 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion: 84 Resp: 183592
 Ion Ratio Lower Upper
 84 100
 49 181.9 140.3 210.5
 51 58.0 41.6 62.4
 86 60.5 49.4 74.2



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 58.31 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampled :

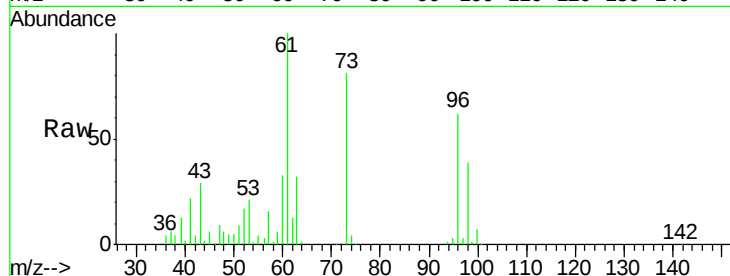
Tot Ion: 96 Resp: 340074

Ion Ratio Lower Upper

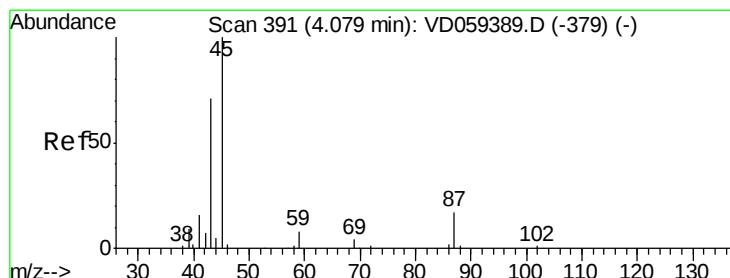
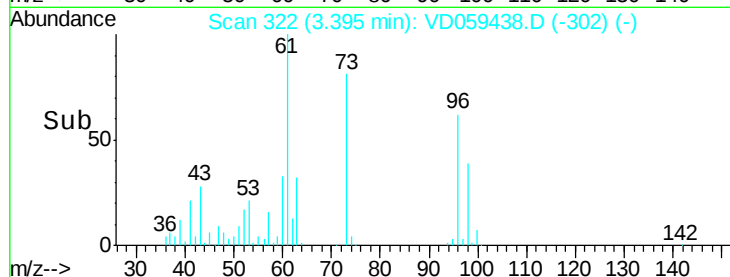
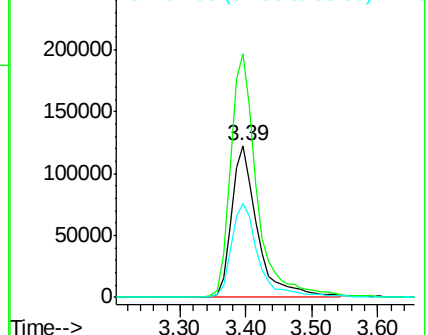
96 100

61 160.6 131.0 196.4

98 62.0 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: 46.00 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Tgt Ion: 45 Resp: 1306587

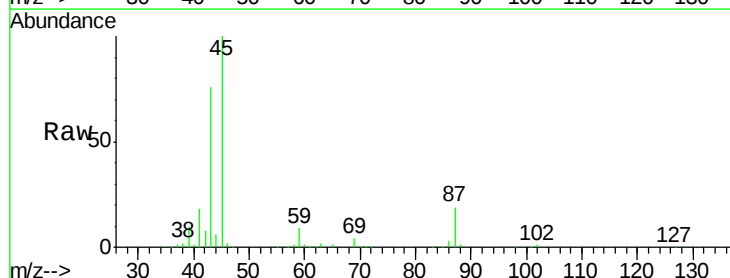
Ion Ratio Lower Upper

45 100

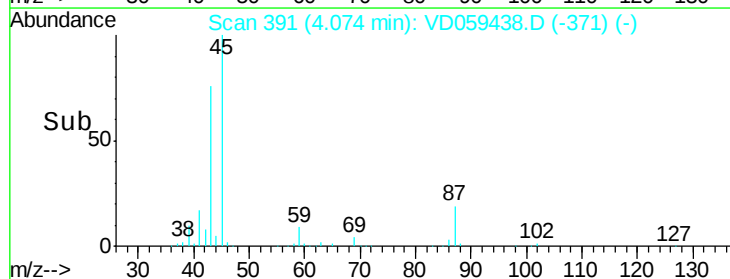
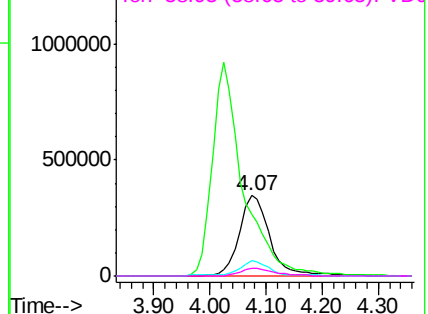
43 76.1 56.9 85.3

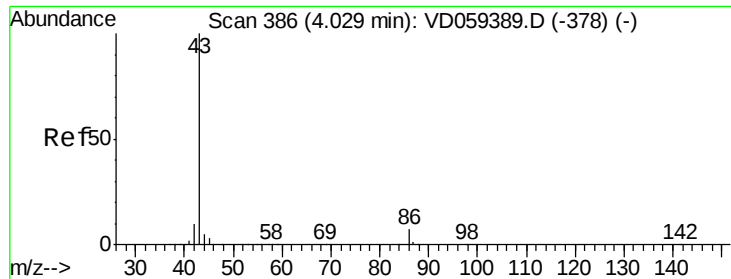
87 19.4 14.2 21.4

59 8.9 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: 237.01 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

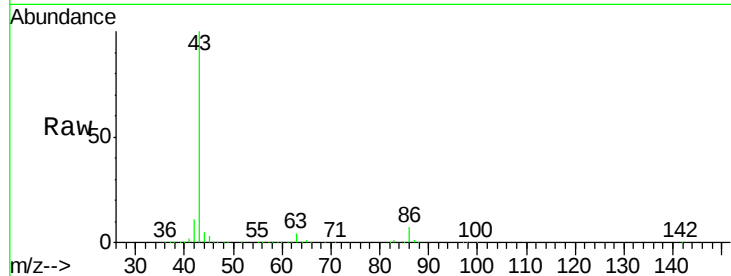
ClientSampleId :

Tot Ion: 43 Resp: 3507769

Ion Ratio Lower Upper

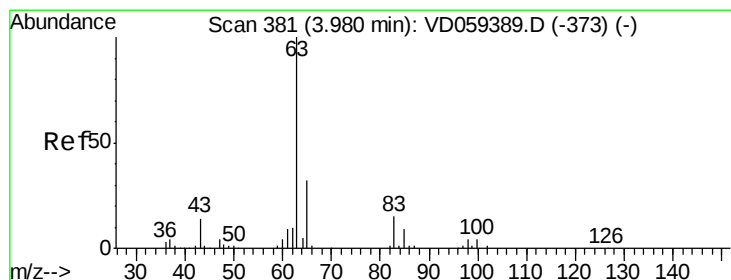
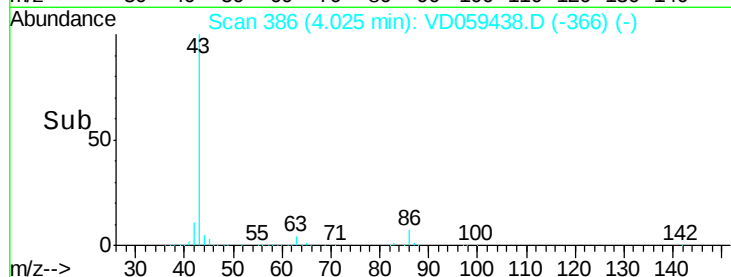
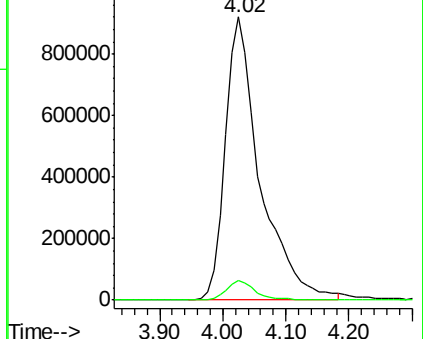
43 100

86 6.8 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: 47.59 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

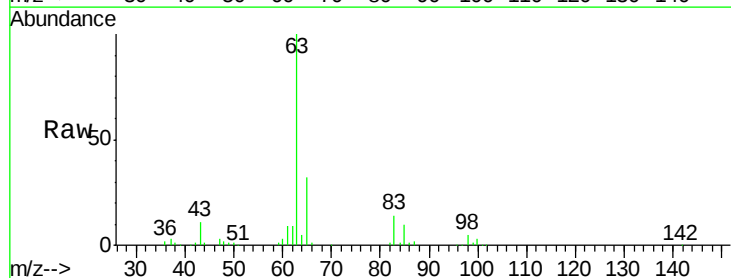
Tgt Ion: 63 Resp: 773509

Ion Ratio Lower Upper

63 100

98 5.4 2.1 6.5

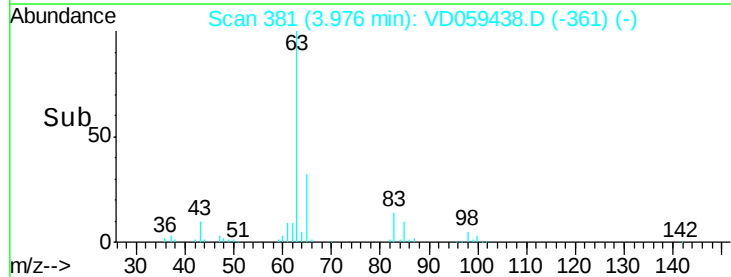
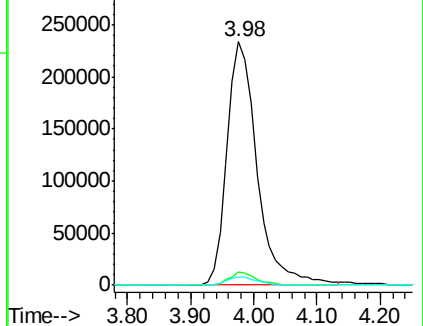
100 3.2 1.8 5.5

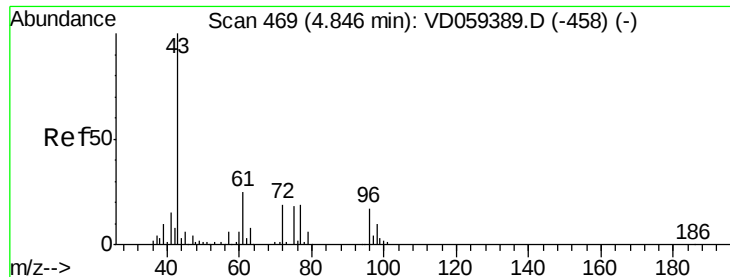


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 223.58 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

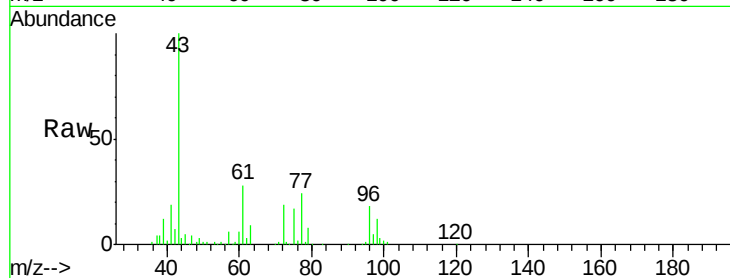
ClientSampled :

Tot Ion: 43 Resp: 605103

Ion Ratio Lower Upper

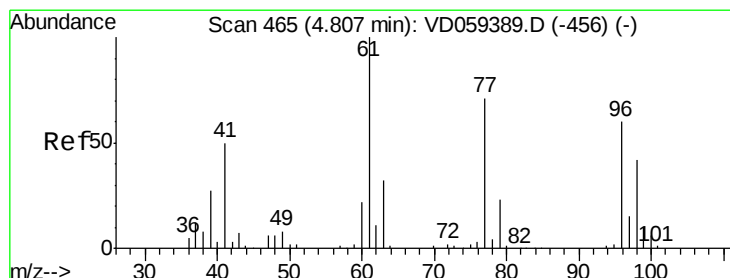
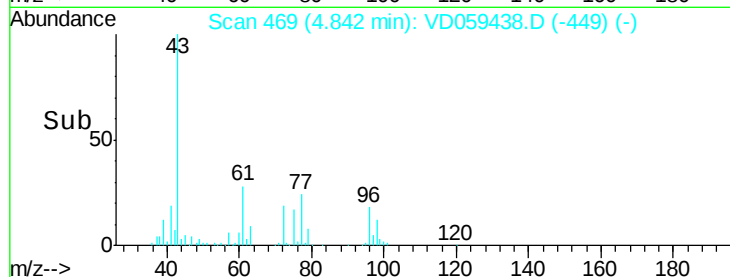
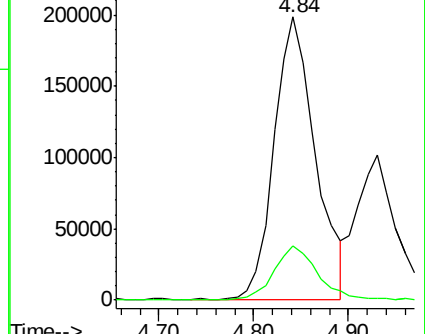
43 100

72 19.4 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: 56.05 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059438.D

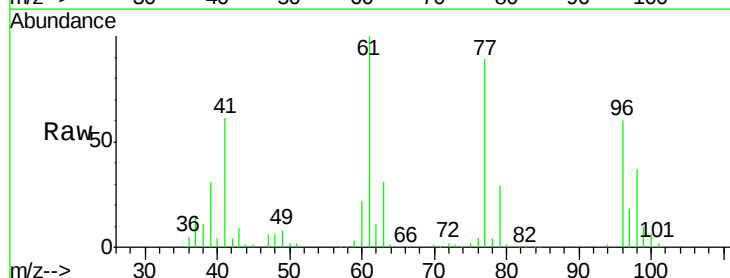
Acq: 27 Jun 2018 11:46

Tgt Ion: 77 Resp: 706475

Ion Ratio Lower Upper

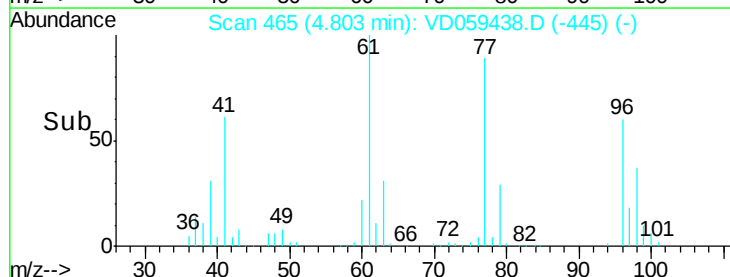
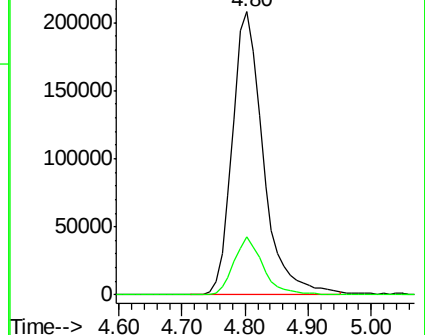
77 100

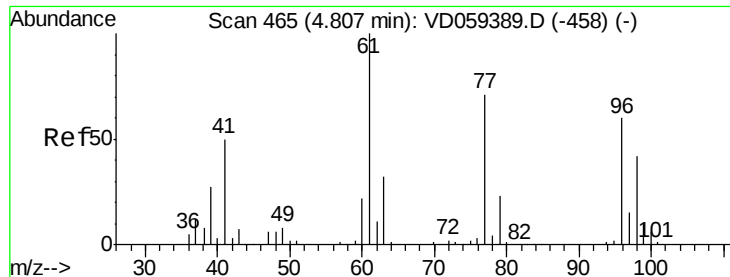
97 20.6 10.7 32.1



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: 44.25 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :
MSVOA_D
ClientSampled :

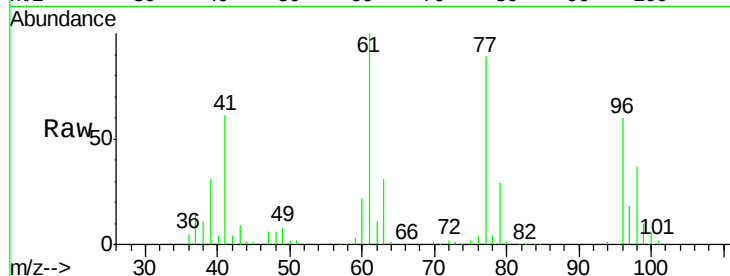
Tot Ion: 96 Resp: 433666

Ion Ratio Lower Upper

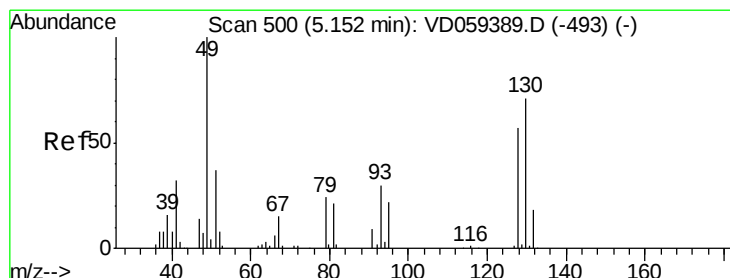
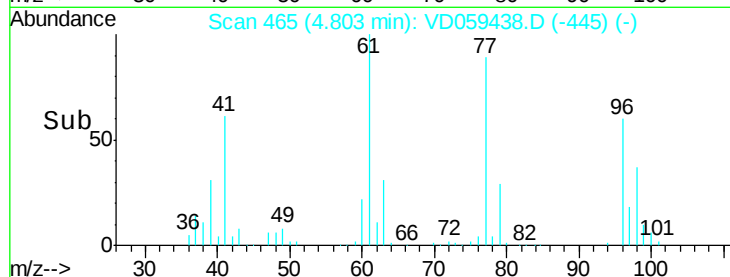
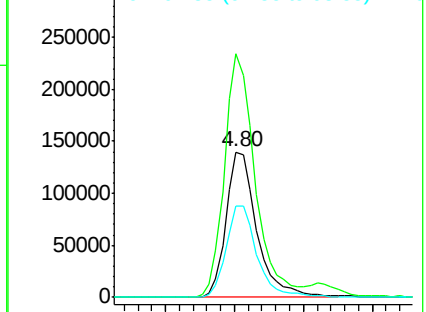
96 100

61 167.3 0.0 335.8

98 62.4 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: 47.48 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

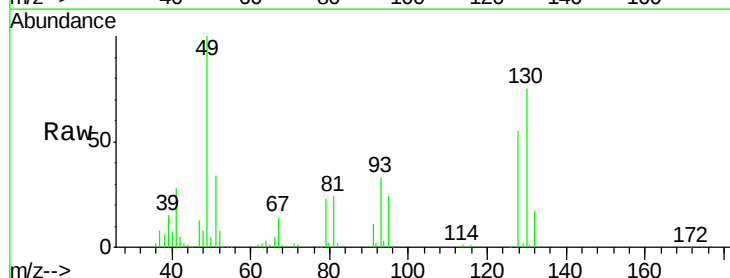
Tgt Ion: 49 Resp: 334565

Ion Ratio Lower Upper

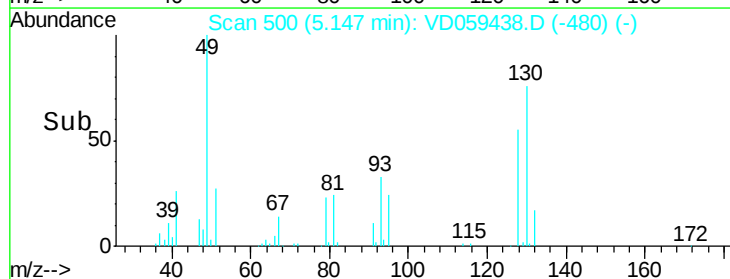
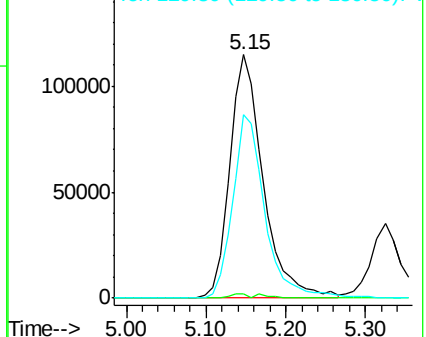
49 100

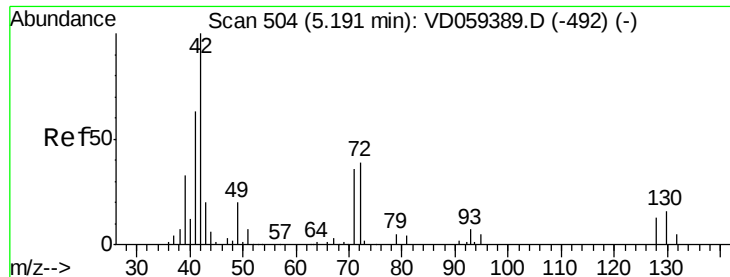
129 1.8 0.0 4.4

130 75.4 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

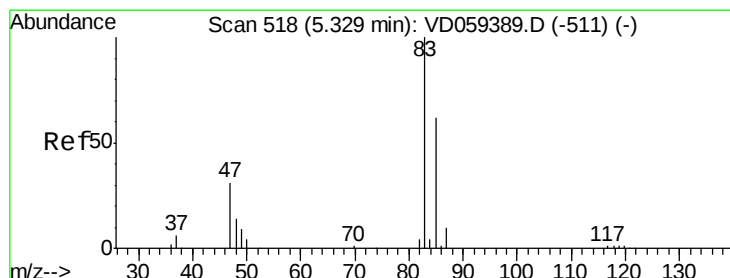
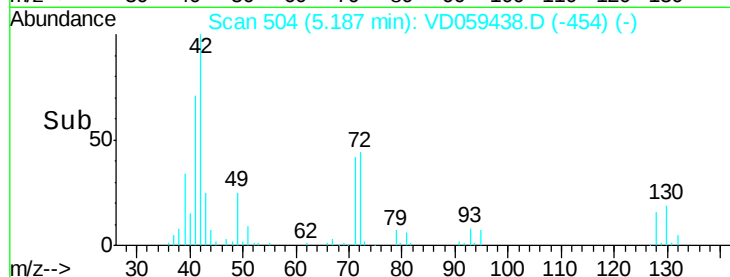
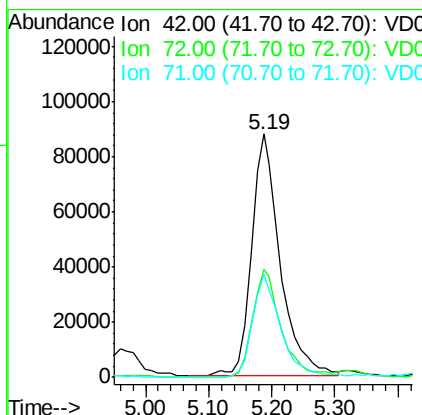
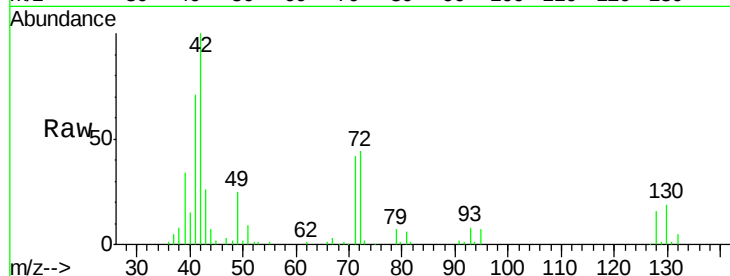




#29
Tetrahydrofuran
Concen: 186.92 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

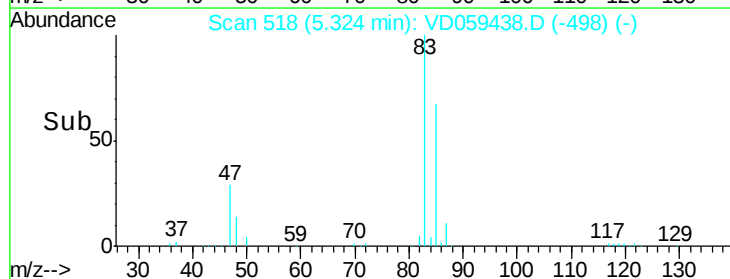
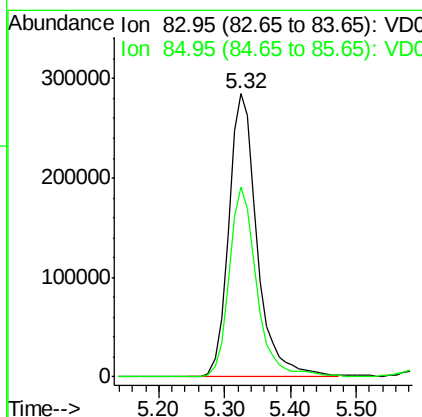
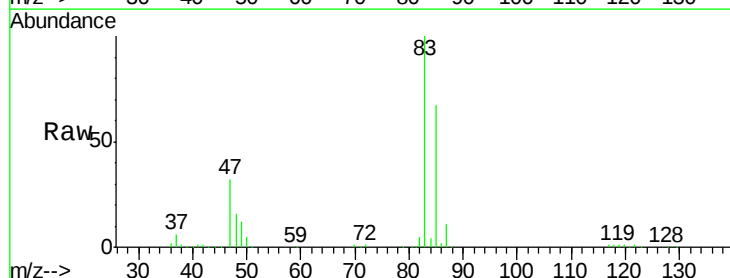
Instrument :
MSVOA_D
ClientSampled :

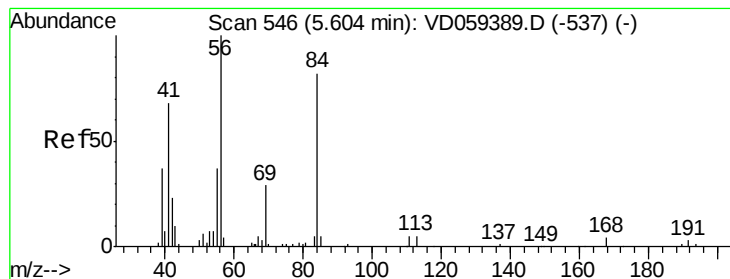
Tot Ion: 42 Resp: 276711
Ion Ratio Lower Upper
42 100
72 44.2 31.4 47.2
71 42.2 29.7 44.5



#30
Chloroform
Concen: 48.46 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion: 83 Resp: 858521
Ion Ratio Lower Upper
83 100
85 67.0 49.3 73.9





#31

Cyclohexane

Concen: 48.04 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

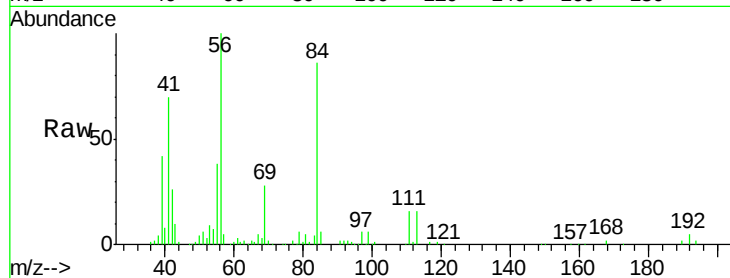
Tot Ion: 56 Resp: 516918

Ion Ratio Lower Upper

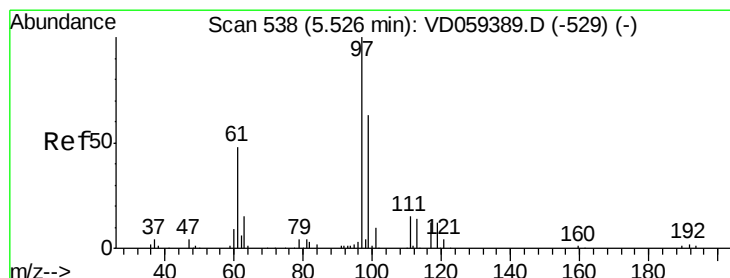
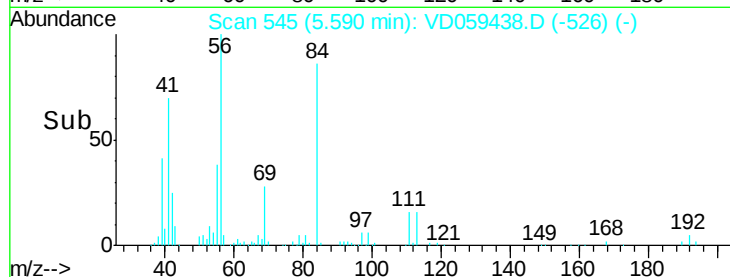
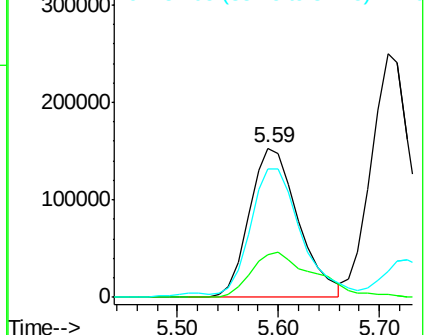
56 100

69 28.1 22.9 34.3

84 86.0 67.3 100.9



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



#32

1,1,1-Trichloroethane

Concen: 49.25 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

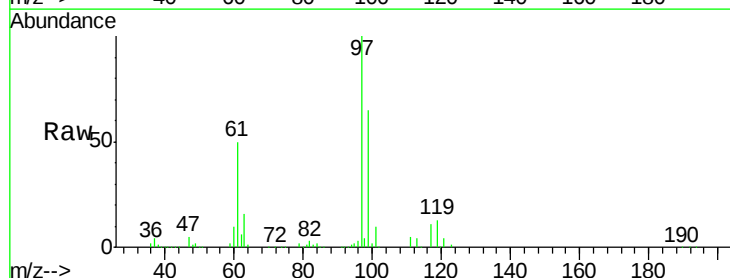
Tgt Ion: 97 Resp: 706550

Ion Ratio Lower Upper

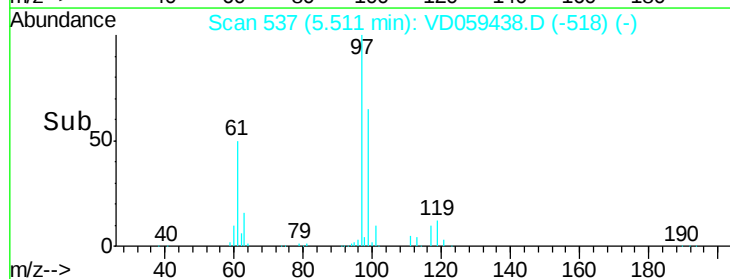
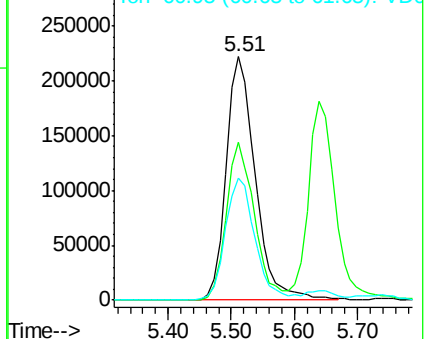
97 100

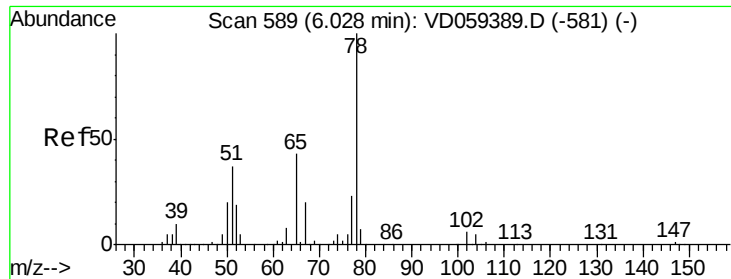
99 64.9 50.2 75.4

61 50.4 38.6 57.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.25 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

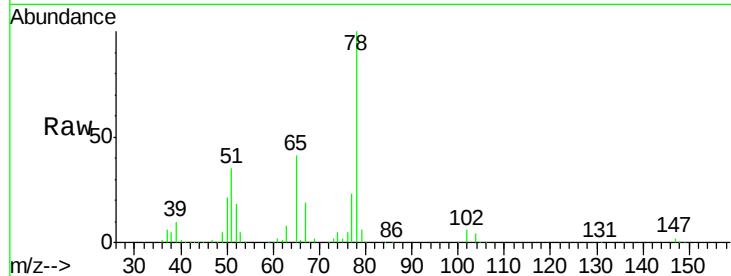
ClientSampleId :

Tot Ion: 65 Resp: 429713

Ion Ratio Lower Upper

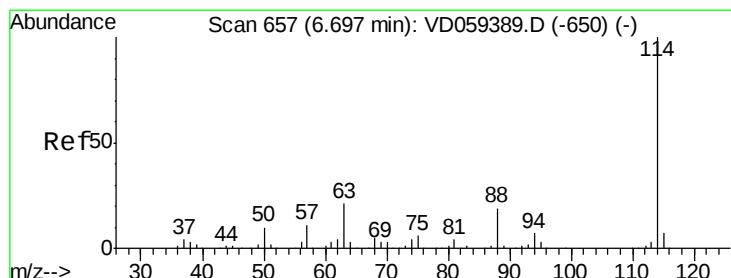
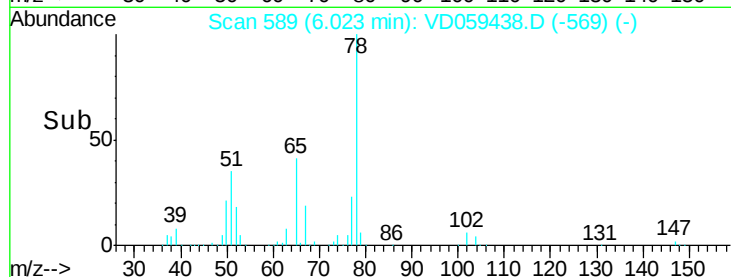
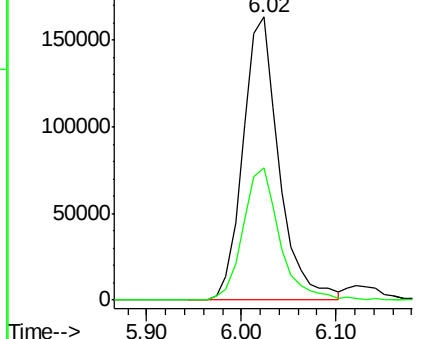
65 100

67 46.8 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

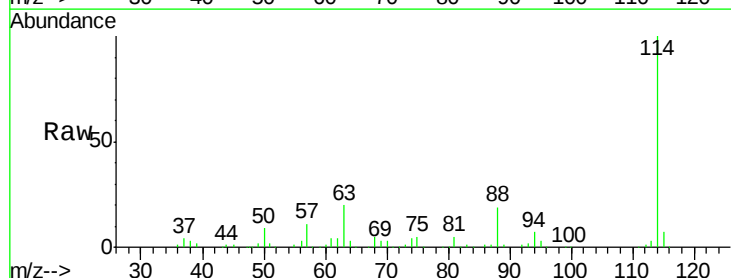
Tgt Ion: 114 Resp: 1293640

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

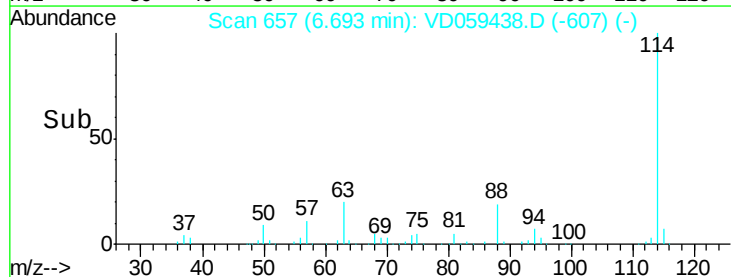
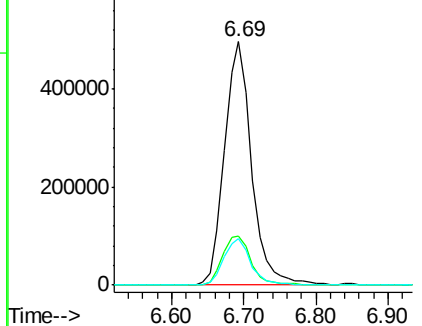
88 18.9 0.0 38.0

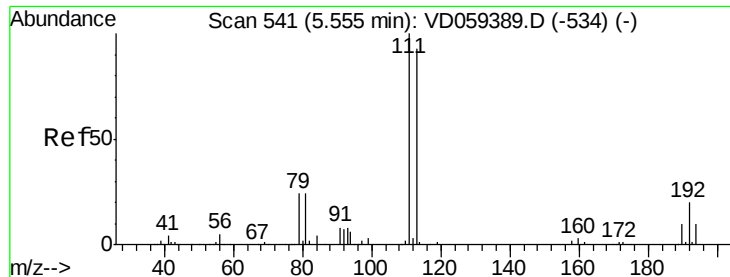


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

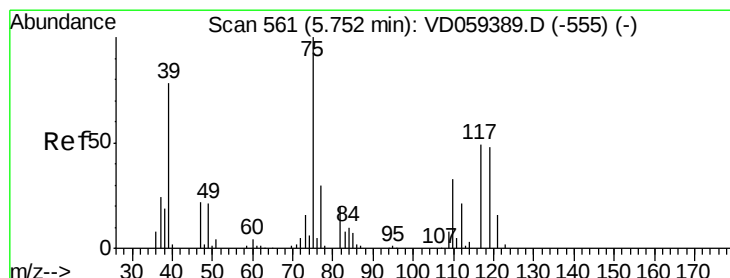
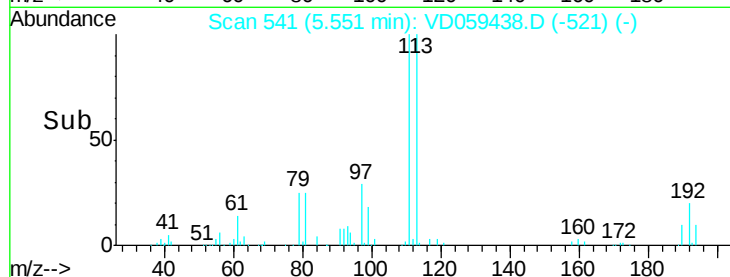
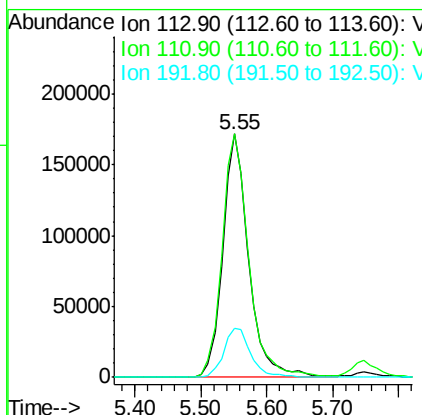
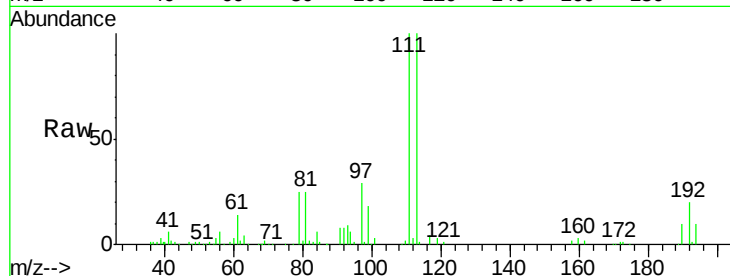




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

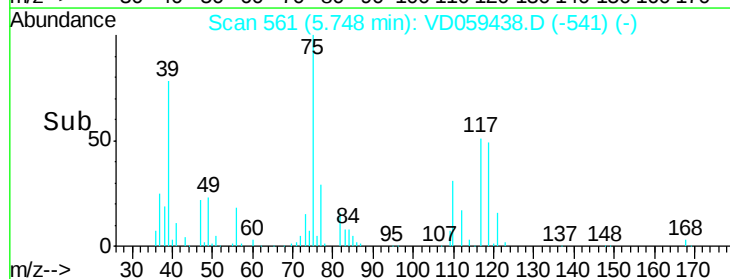
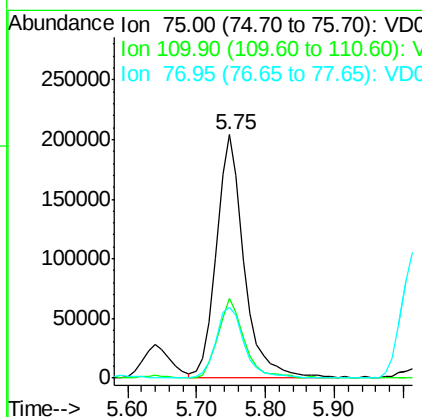
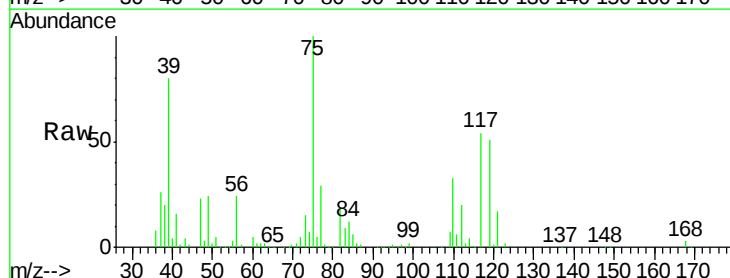
Instrument :
 MSVOA_D
 ClientSampleId :

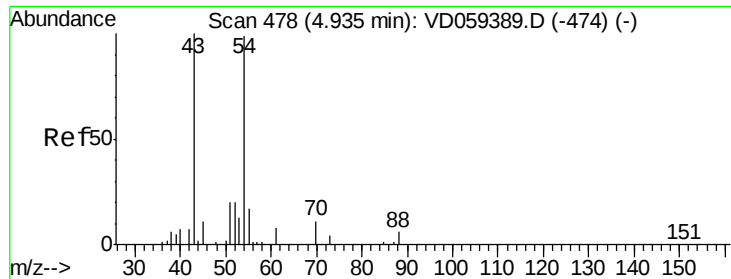
Tot Ion:113 Resp: 471429
 Ion Ratio Lower Upper
 113 100
 111 100.1 85.7 128.5
 192 20.0 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 47.51 ug/l
 RT: 5.75 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion: 75 Resp: 557552
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.1 48.2
 77 29.1 23.4 35.2

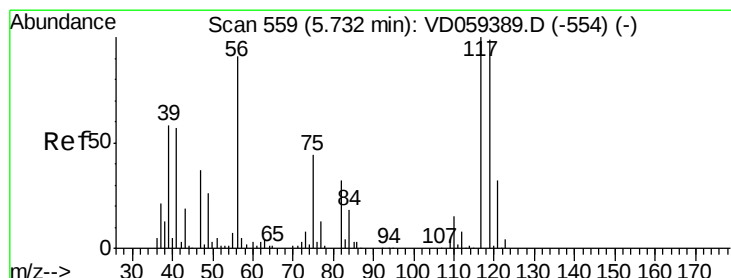
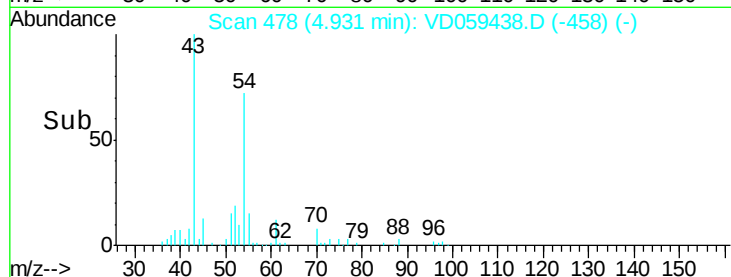
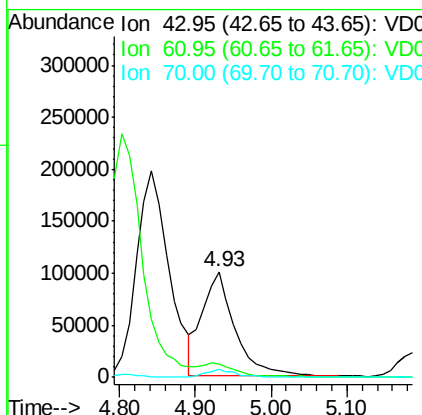
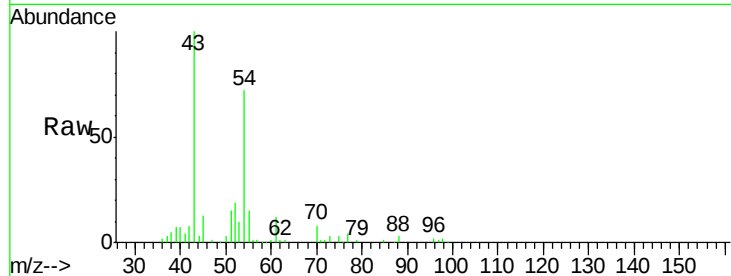




#37
Ethyl Acetate
Concen: 42.57 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

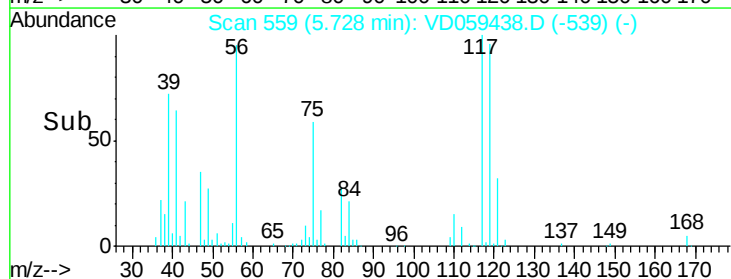
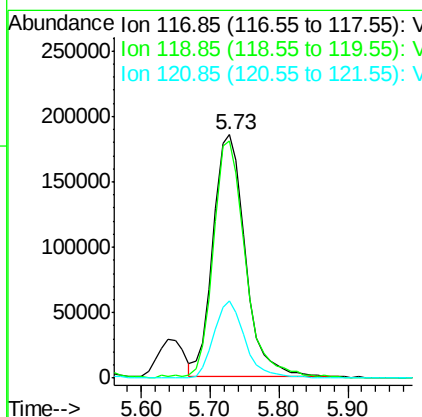
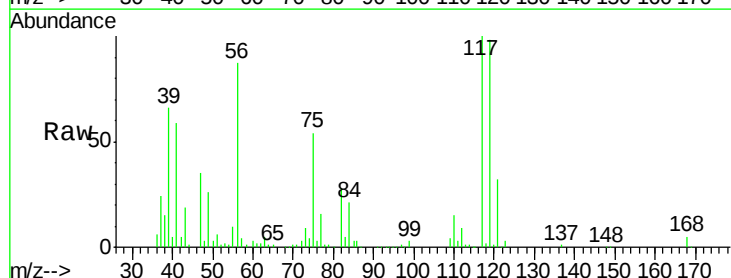
Instrument :
MSVOA_D
ClientSampleID :

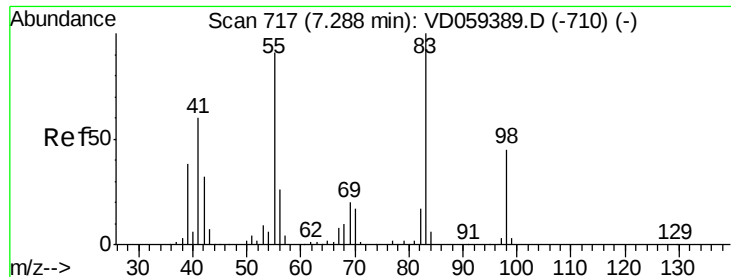
Tot Ion: 43 Resp: 304252
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.8
70 7.8 6.1 9.1



#38
Carbon Tetrachloride
Concen: 49.59 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion: 117 Resp: 600036
Ion Ratio Lower Upper
117 100
119 97.7 76.6 115.0
121 31.8 25.0 37.4

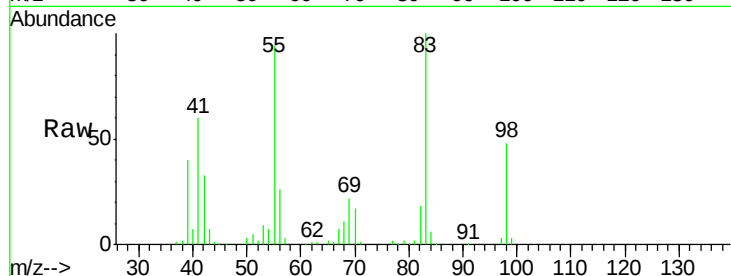




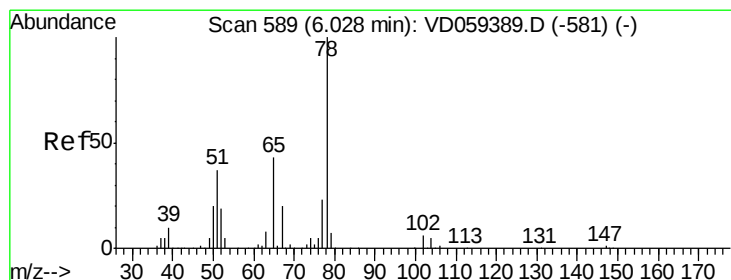
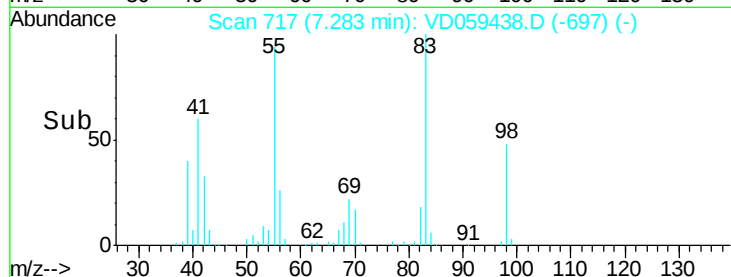
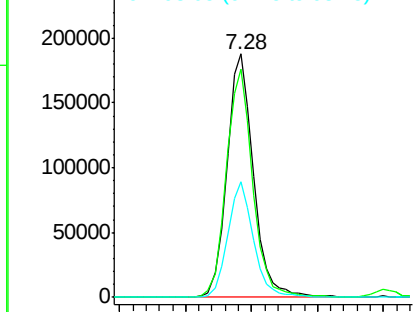
#39
Methvlcvclohexane
Concen: 47.48 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 528451
Ion Ratio Lower Upper
83 100
55 94.0 72.6 109.0
98 47.6 35.8 53.6

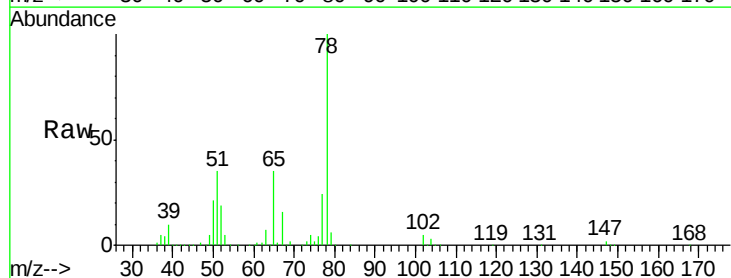


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

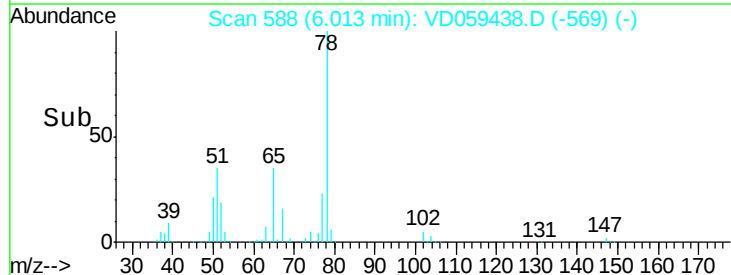
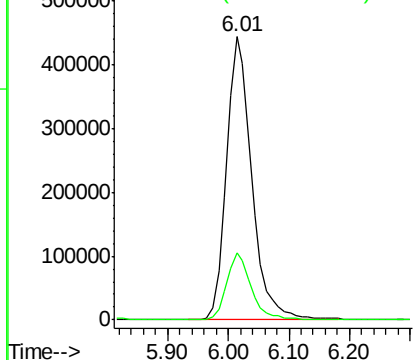


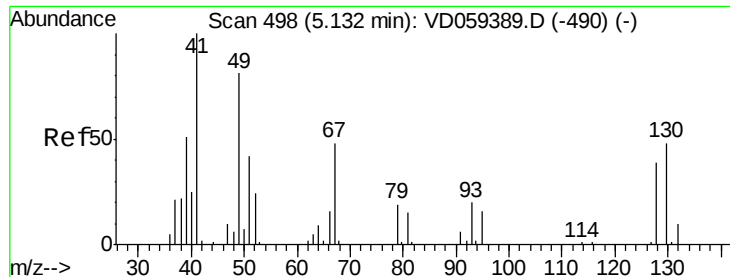
#40
Benzene
Concen: 45.59 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion: 78 Resp: 1283896
Ion Ratio Lower Upper
78 100
77 23.6 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: 41.86 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 144075

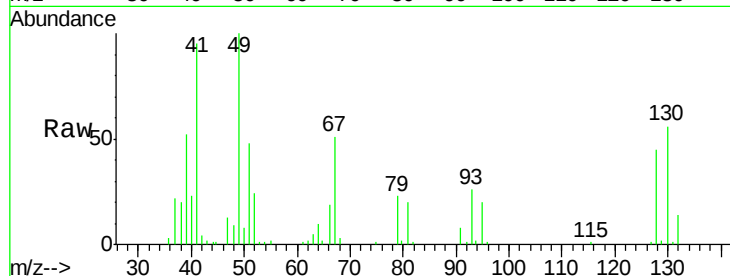
Ion Ratio Lower Upper

41 100

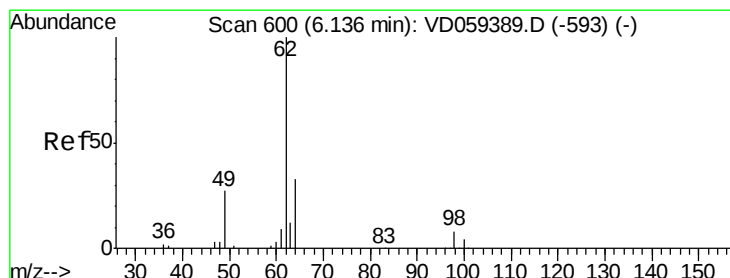
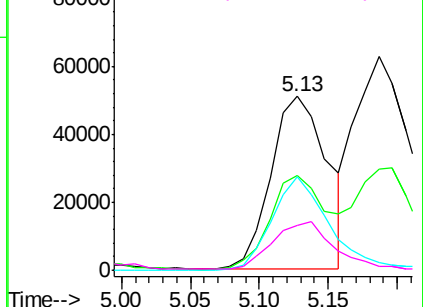
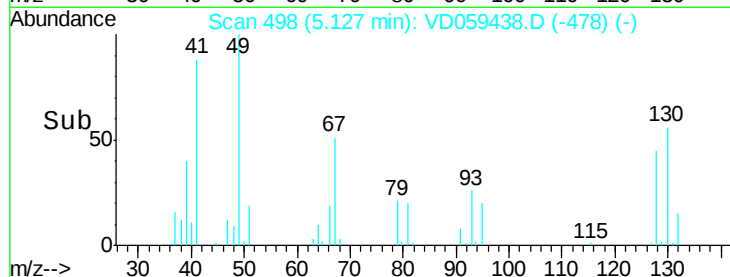
39 54.8 41.5 62.3

67 53.6 38.7 58.1

52 25.5 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: 44.78 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD059438.D

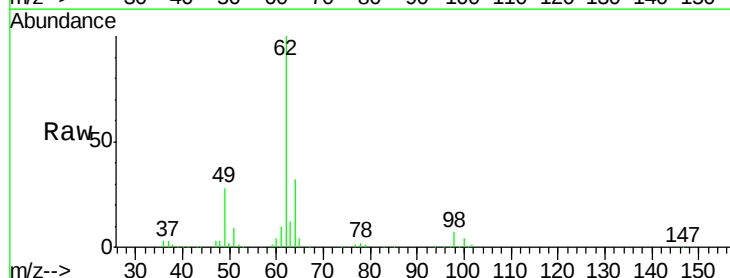
Acq: 27 Jun 2018 11:46

Tgt Ion: 62 Resp: 557240

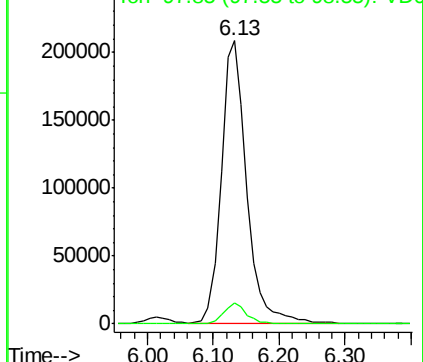
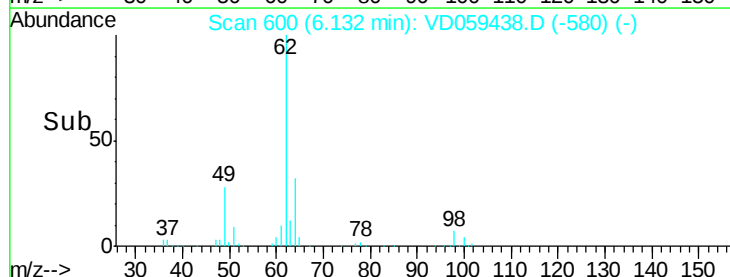
Ion Ratio Lower Upper

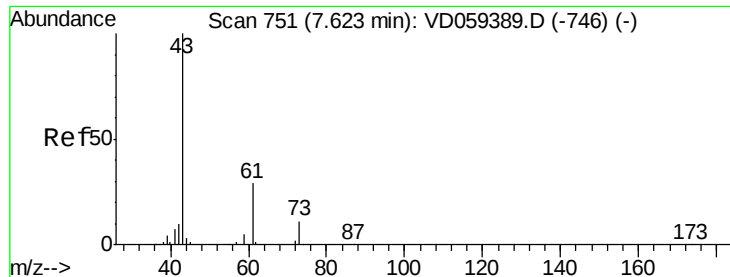
62 100

98 7.4 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: 42.08 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

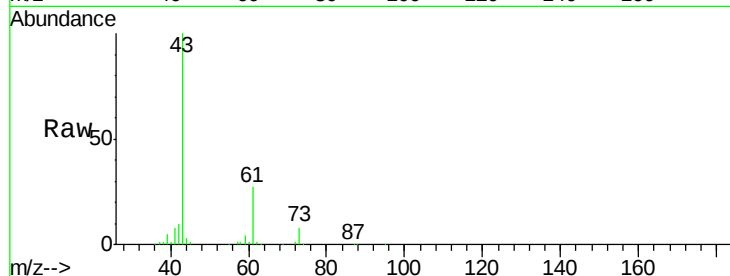
Tot Ion: 43 Resp: 377623

Ion Ratio Lower Upper

43 100

61 27.3 23.1 34.7

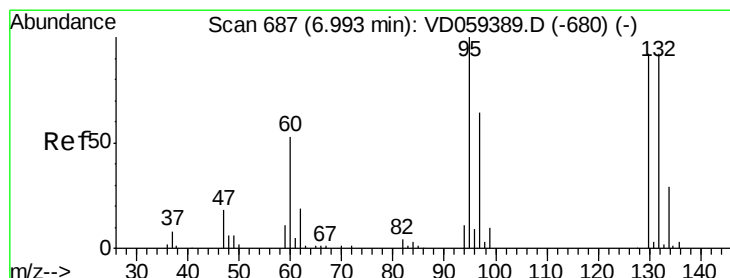
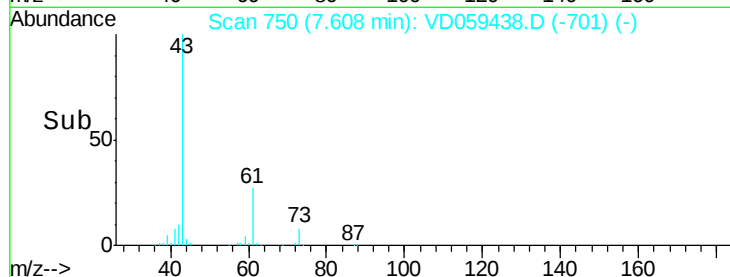
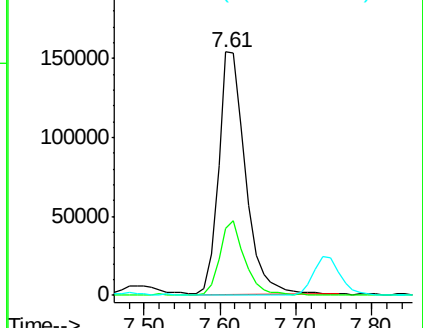
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 45.99 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD059438.D

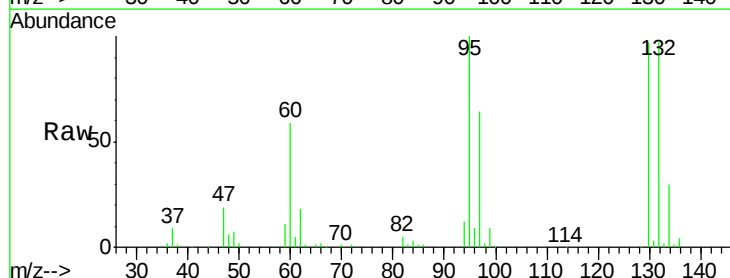
Acq: 27 Jun 2018 11:46

Tgt Ion:130 Resp: 424045

Ion Ratio Lower Upper

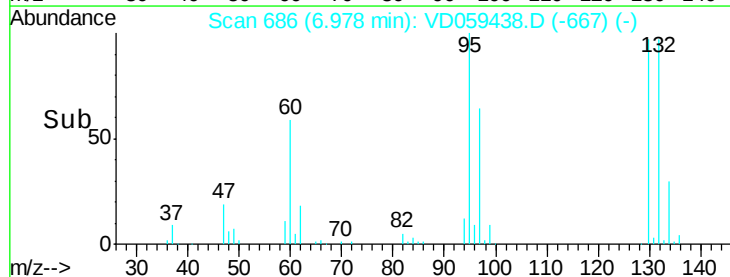
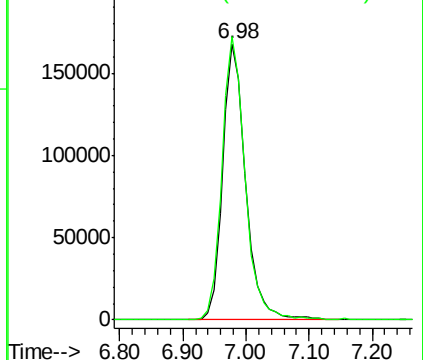
130 100

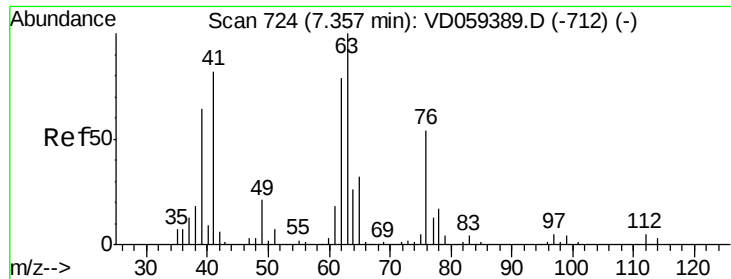
95 102.6 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 46.65 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

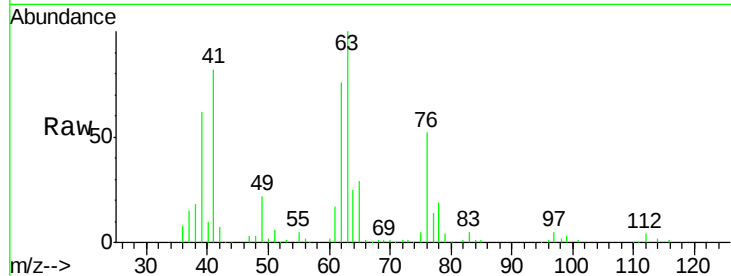
ClientSampled :

Tot Ion: 63 Resp: 363893

Ion Ratio Lower Upper

63 100

65 29.1 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.34

150000

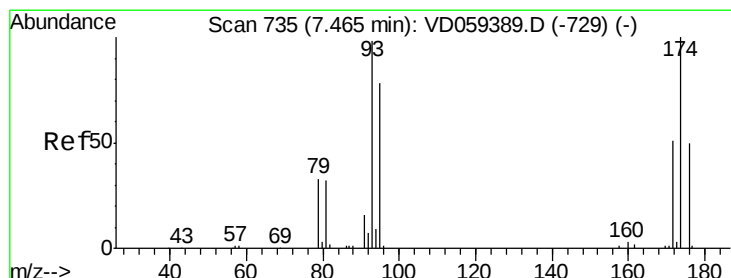
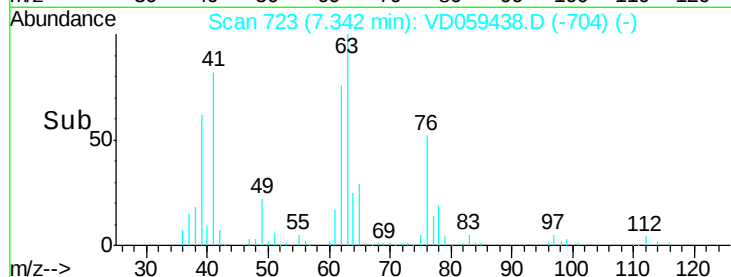
100000

50000

0

Time-->

7.20 7.40 7.60



#46

Dibromomethane

Concen: 45.29 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

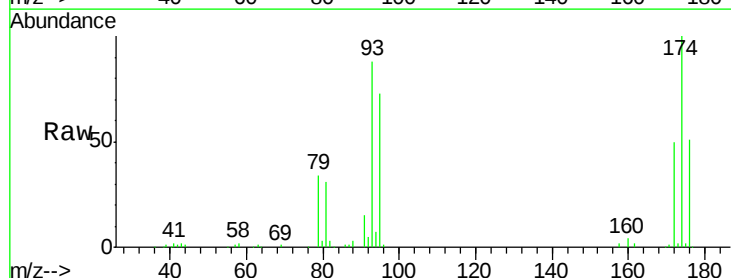
Tgt Ion: 93 Resp: 254052

Ion Ratio Lower Upper

93 100

95 82.9 63.4 95.0

174 113.5 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

150000

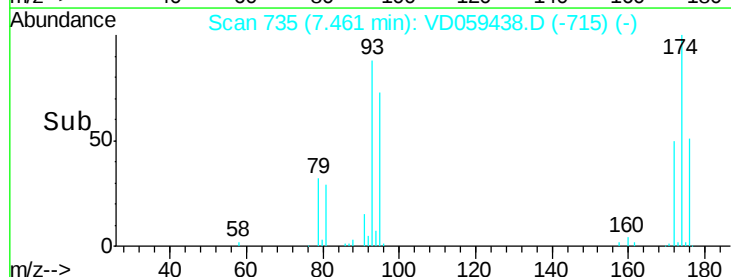
100000

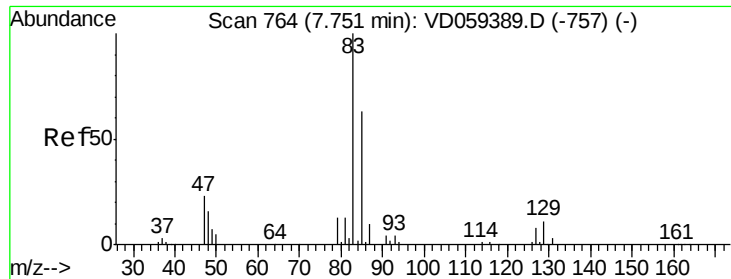
50000

0

Time-->

7.30 7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 49.41 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

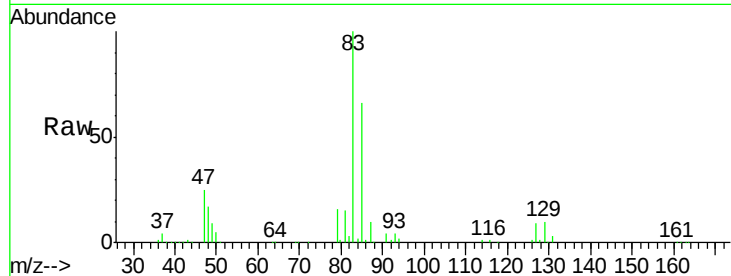
Tot Ion: 83 Resp: 620207

Ion Ratio Lower Upper

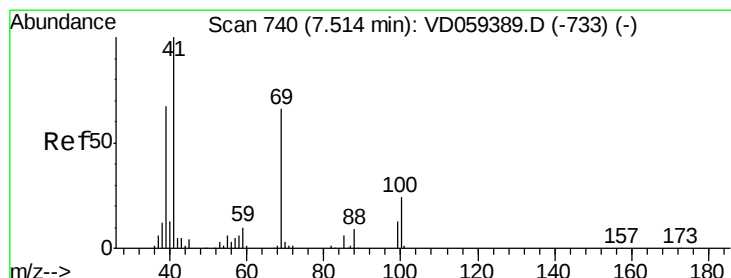
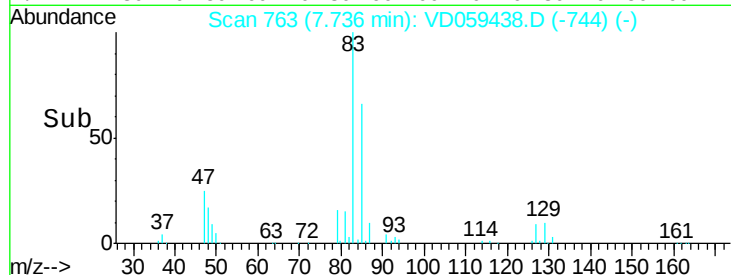
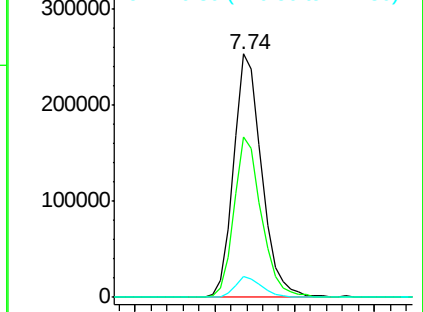
83 100

85 66.0 50.1 75.1

127 8.5 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: 43.11 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

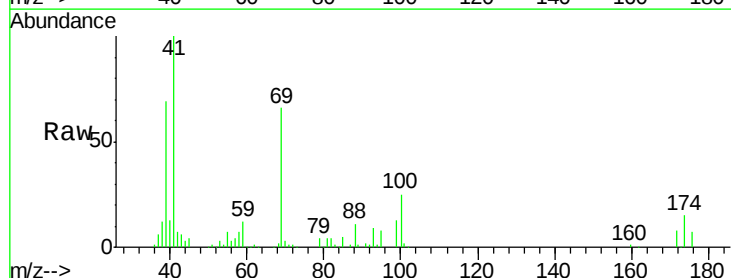
Tgt Ion: 41 Resp: 235712

Ion Ratio Lower Upper

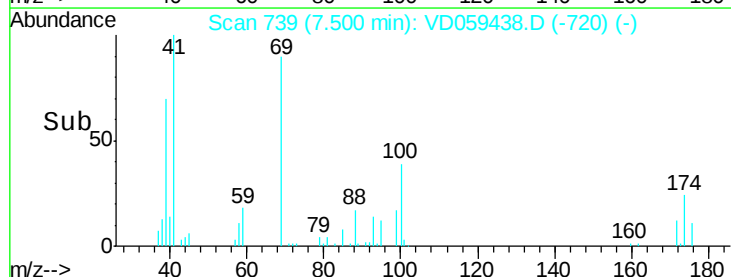
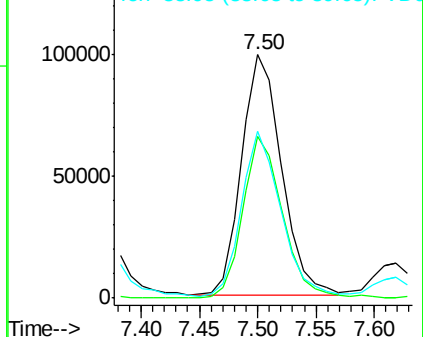
41 100

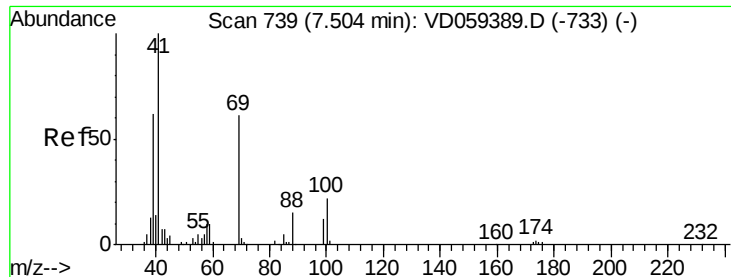
69 66.5 52.6 79.0

39 68.6 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: 839.28 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampleId :

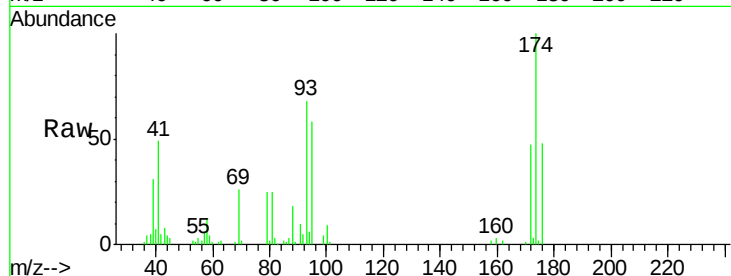
Tot Ion: 88 Resp: 46024

Ion Ratio Lower Upper

88 100

43 47.1 41.0 61.4

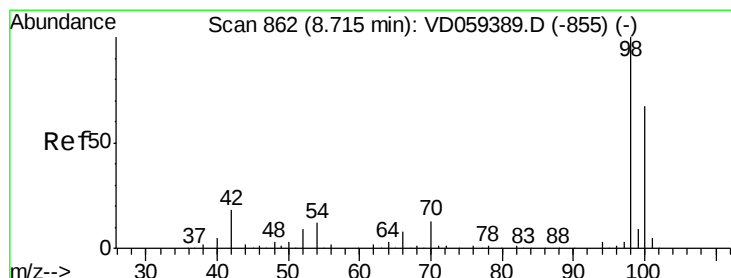
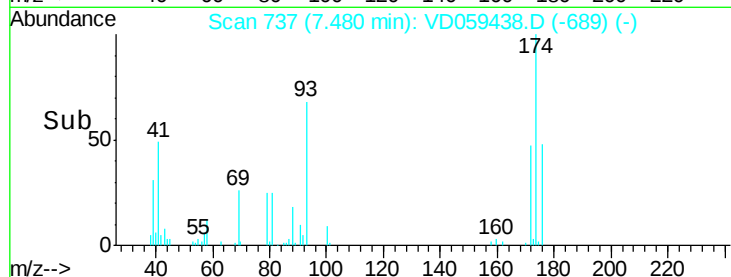
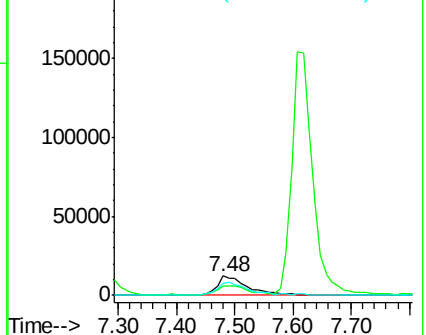
58 64.2 53.4 80.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 839.28 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD059438.D

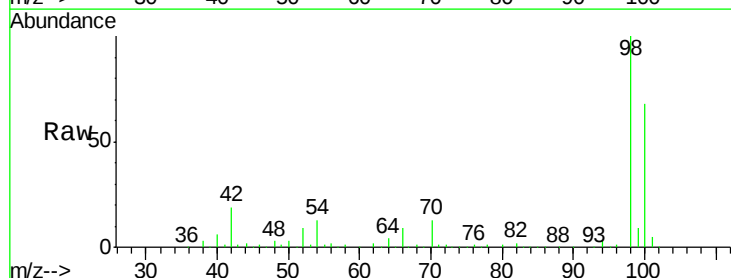
Acq: 27 Jun 2018 11:46

Tgt Ion: 98 Resp: 1057613

Ion Ratio Lower Upper

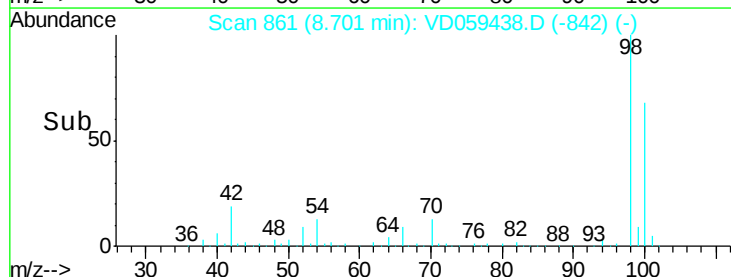
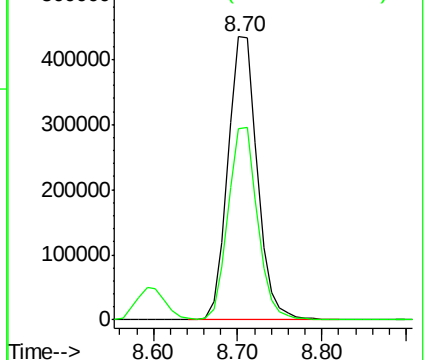
98 100

100 67.7 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 209.93 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

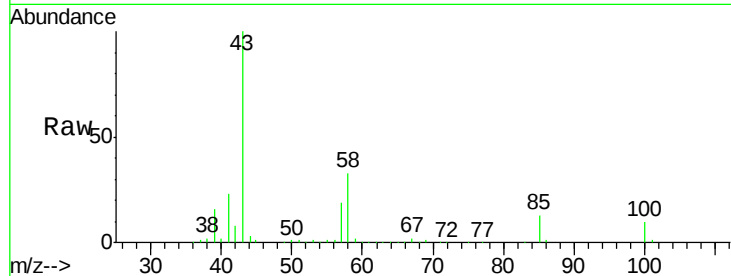
ClientSampleId :

Tot Ion: 43 Resp: 125524

Ion Ratio Lower Upper

43 100

58 32.9 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

500000

400000

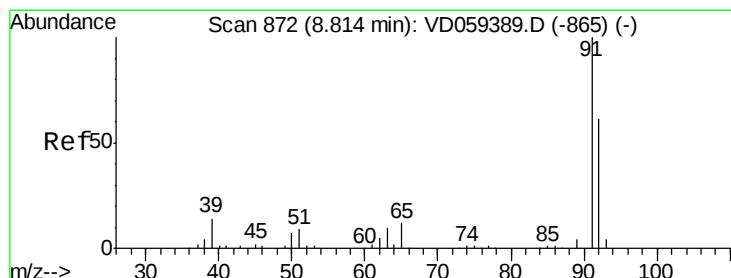
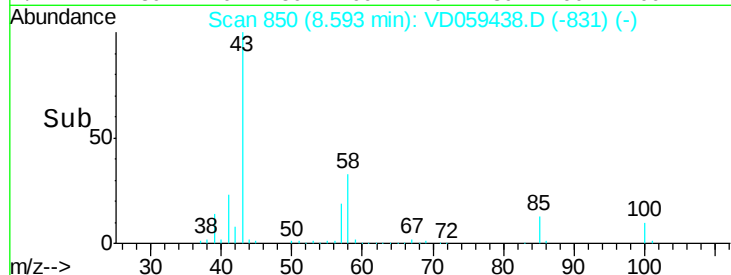
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 43.48 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059438.D

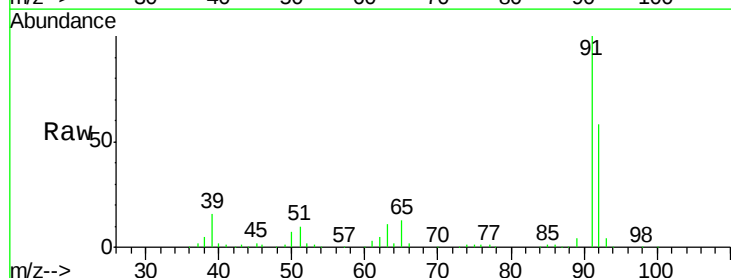
Acq: 27 Jun 2018 11:46

Tgt Ion: 92 Resp: 731323

Ion Ratio Lower Upper

92 100

91 171.6 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

600000

500000

400000

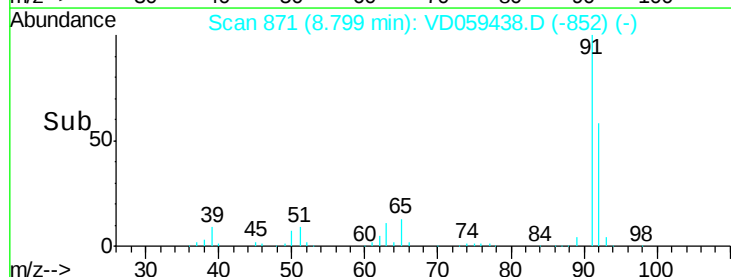
300000

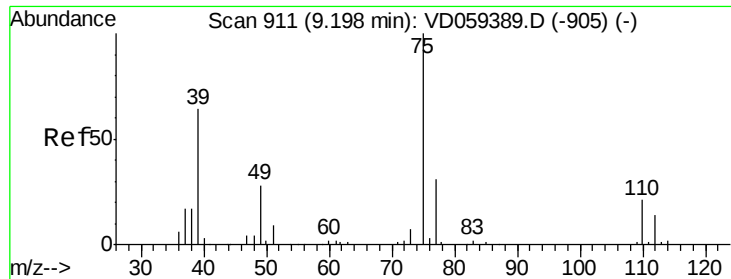
200000

100000

0

Time-->

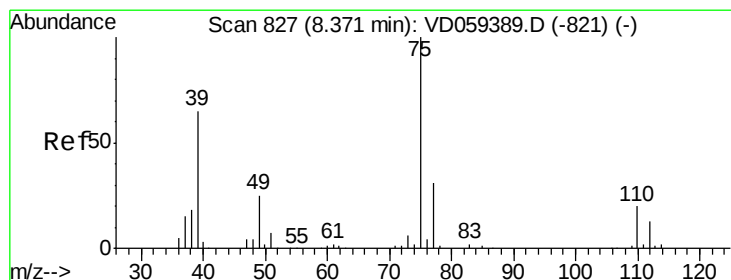
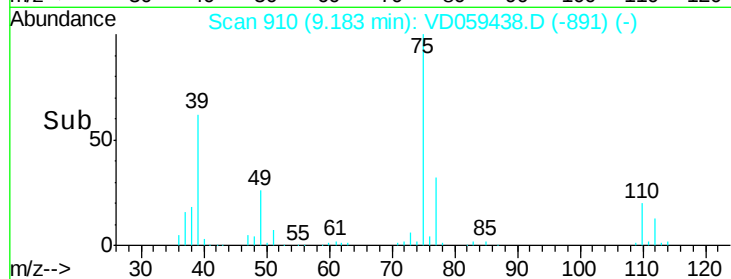
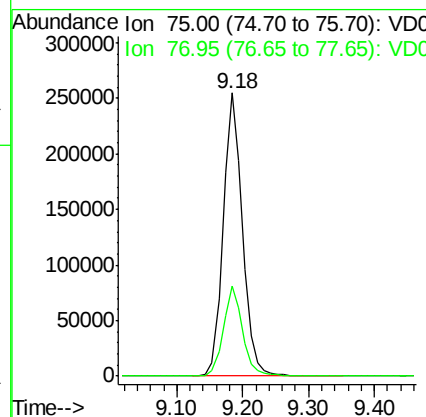
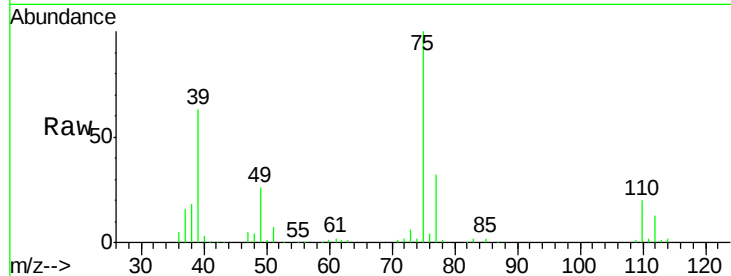




#53
 t-1,3-Dichloropropene
 Concen: 49.34 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

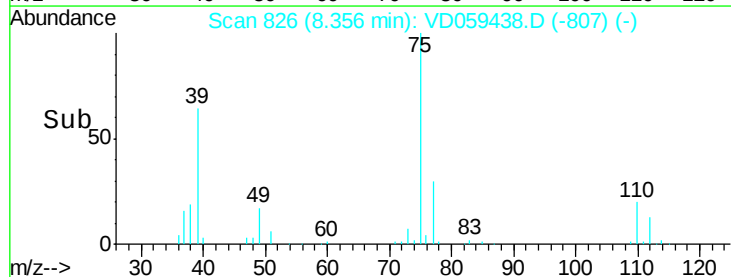
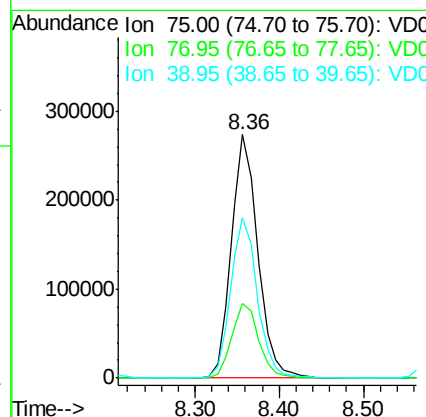
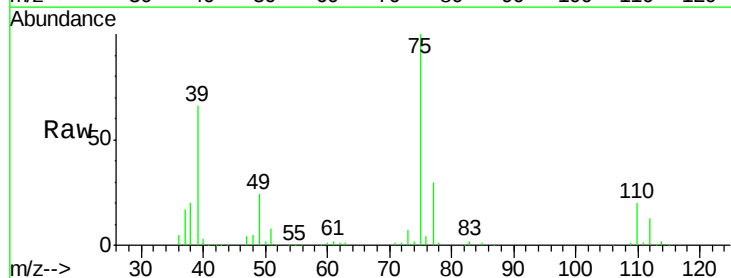
Instrument :
 MSVOA_D
 ClientSampled :

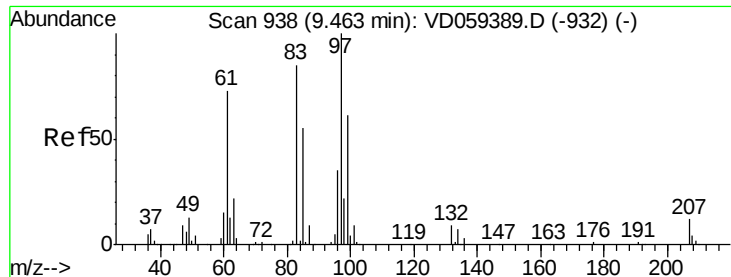
Tot Ion: 75 Resp: 517485
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 49.35 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion: 75 Resp: 599347
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.7 37.1
 39 65.9 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 44.95 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 274497

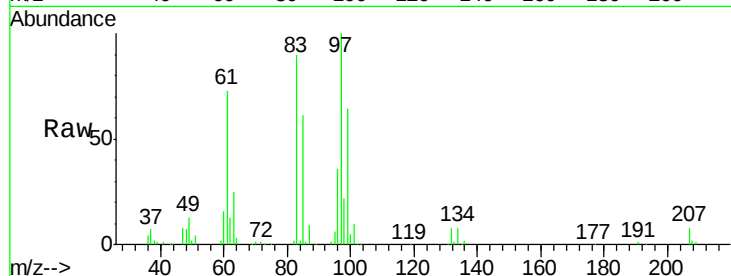
Ion Ratio Lower Upper

97 100

83 90.2 67.7 101.5

85 61.0 44.3 66.5

99 64.3 48.6 73.0

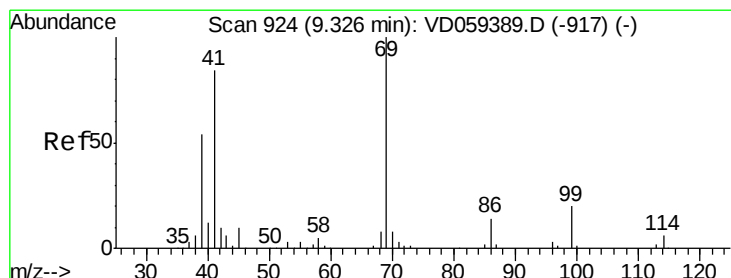
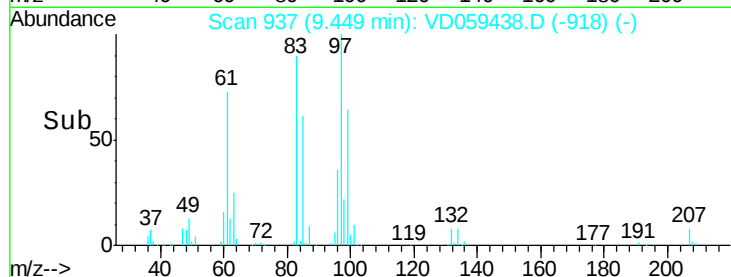
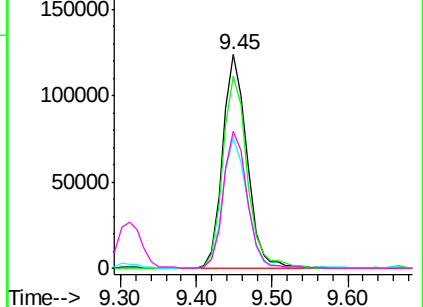


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 44.22 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

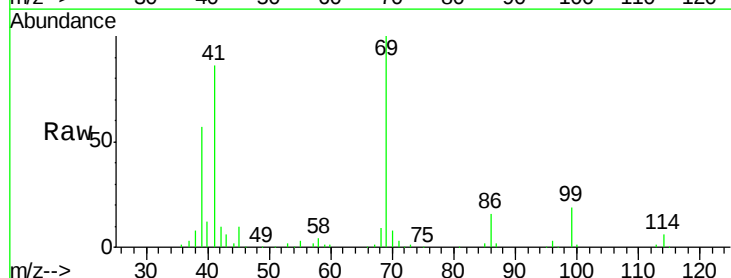
Tgt Ion: 69 Resp: 308091

Ion Ratio Lower Upper

69 100

41 85.9 67.4 101.0

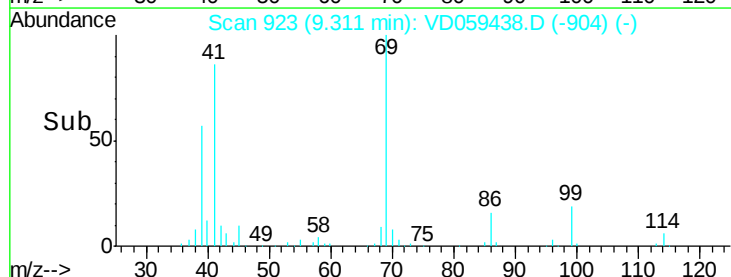
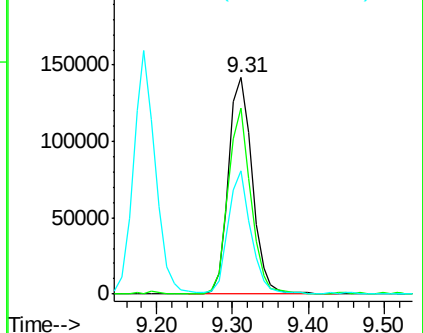
39 57.2 43.7 65.5

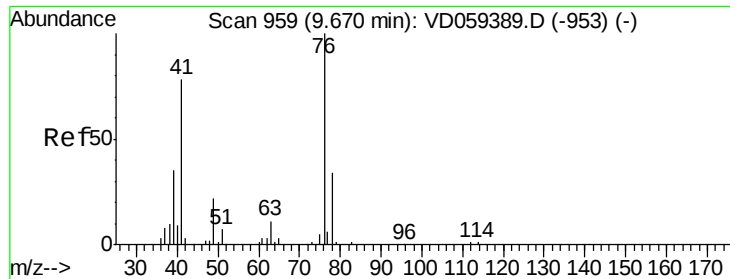


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

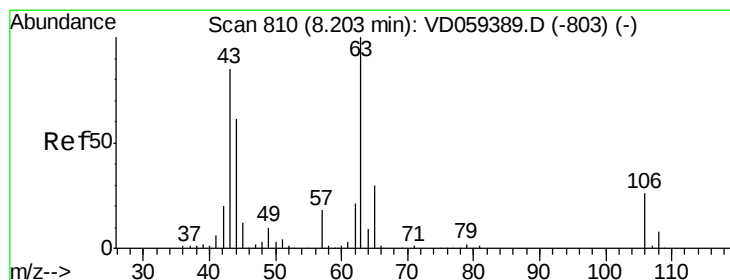
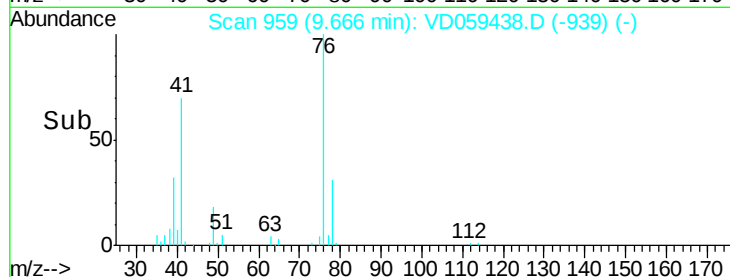
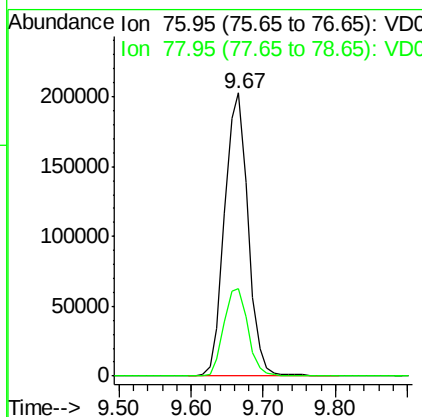
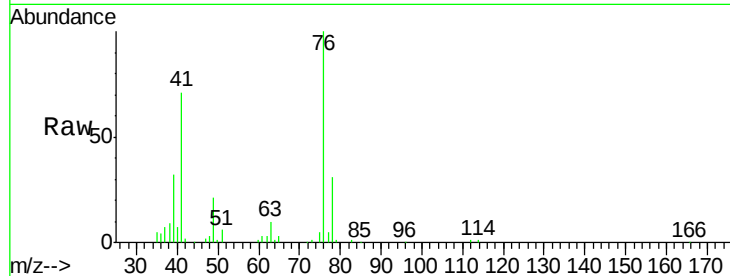




#57
 1,3-Dichloropropane
 Concen: 45.85 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

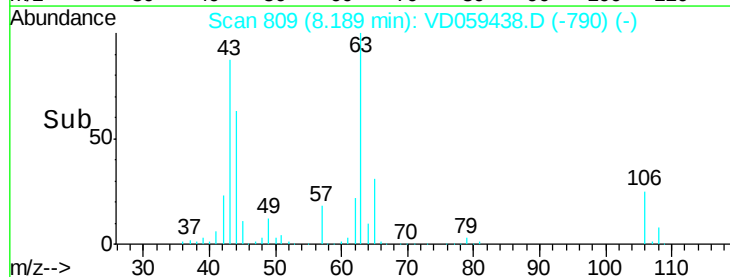
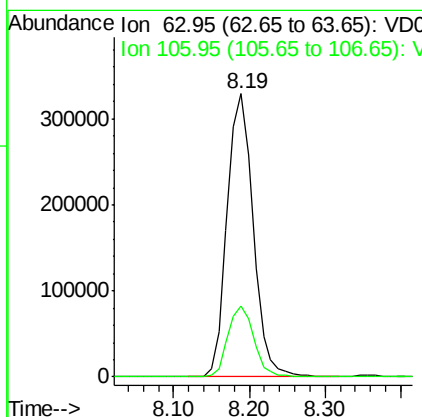
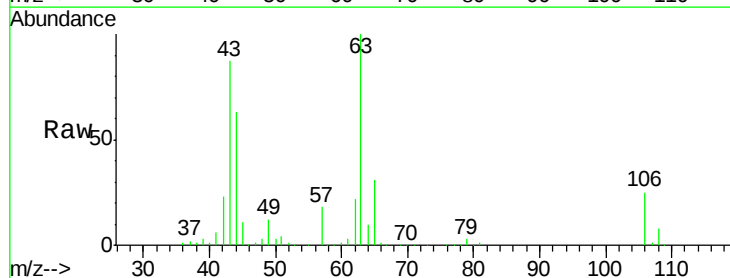
Instrument :
 MSVOA_D
 ClientSampled :

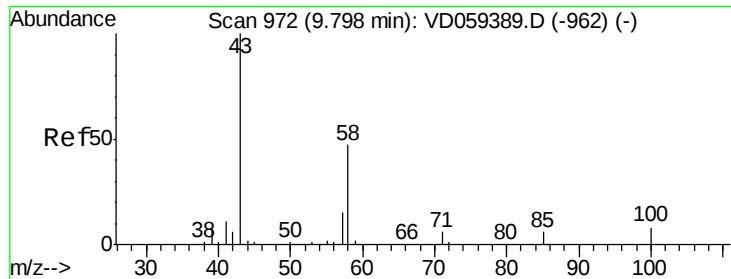
Tot Ion: 76 Resp: 457912
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.26 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion: 63 Resp: 786489
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.6 31.0

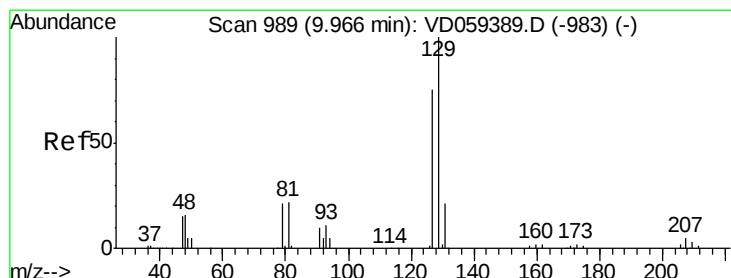
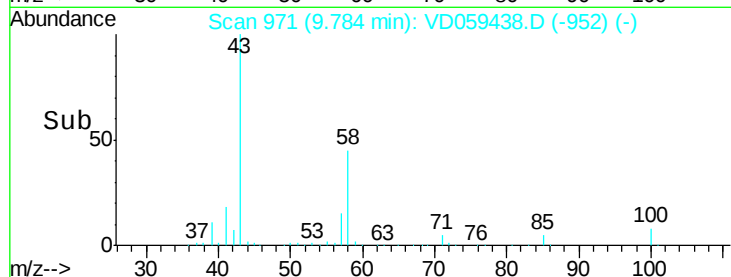
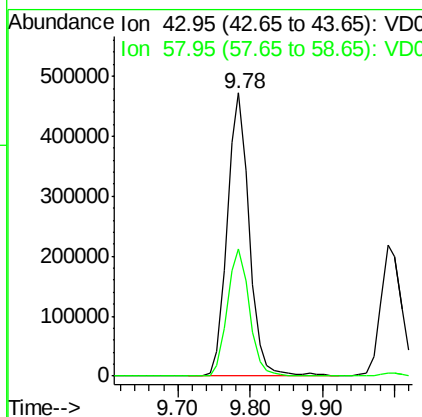
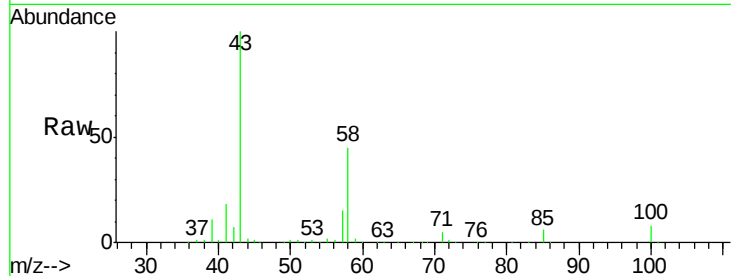




#59
2-Hexanone
Concen: 234.66 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

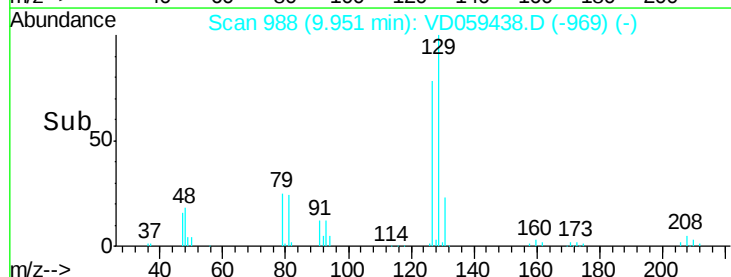
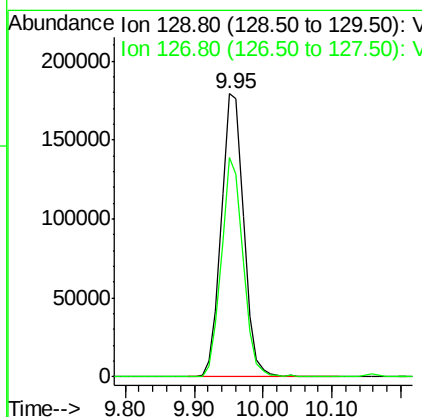
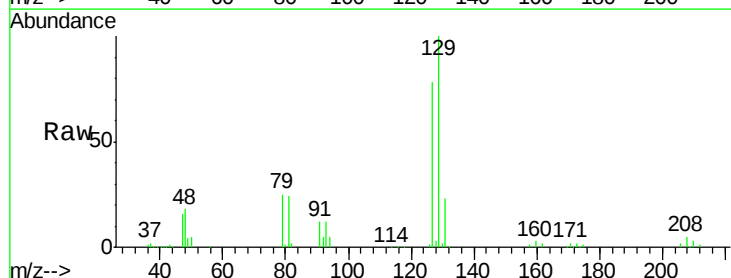
Instrument :
MSVOA_D
ClientSampled :

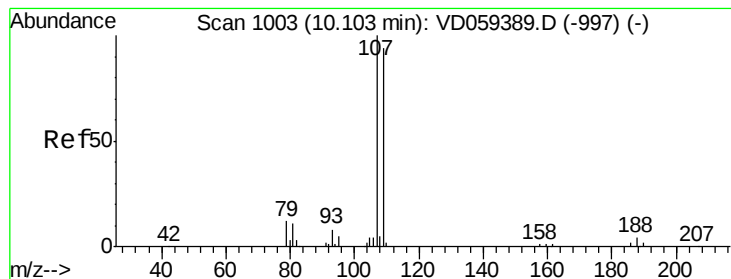
Tot Ion: 43 Resp: 997447
Ion Ratio Lower Upper
43 100
58 45.1 23.3 69.9



#60
Dibromochloromethane
Concen: 47.45 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion:129 Resp: 405721
Ion Ratio Lower Upper
129 100
127 77.5 37.3 111.8





#61

1,2-Dibromoethane

Concen: 44.96 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

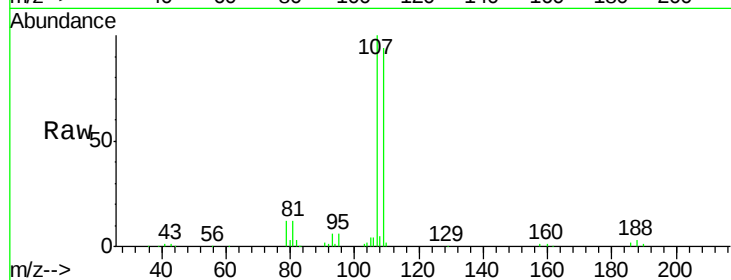
ClientSampleId :

Tot Ion:107 Resp: 305728

Ion Ratio Lower Upper

107 100

109 93.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

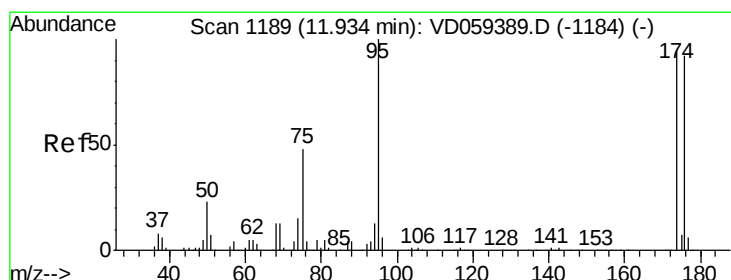
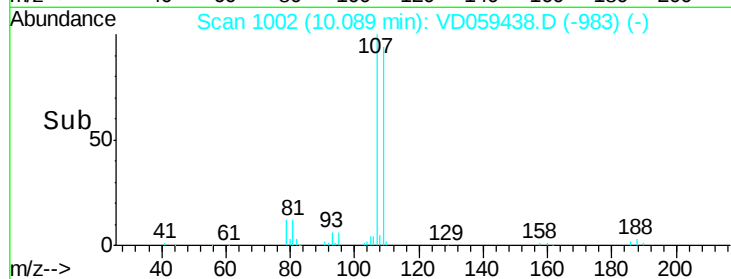
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.96 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

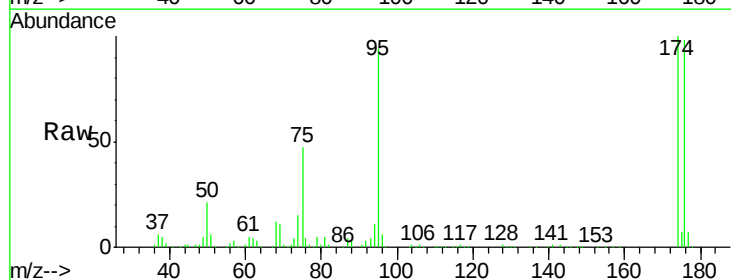
Tgt Ion: 95 Resp: 474122

Ion Ratio Lower Upper

95 100

174 106.1 0.0 190.4

176 104.0 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

500000

400000

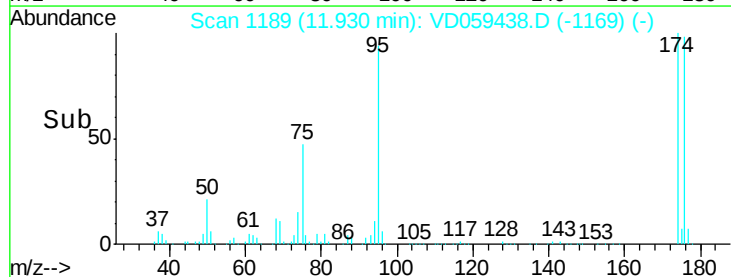
300000

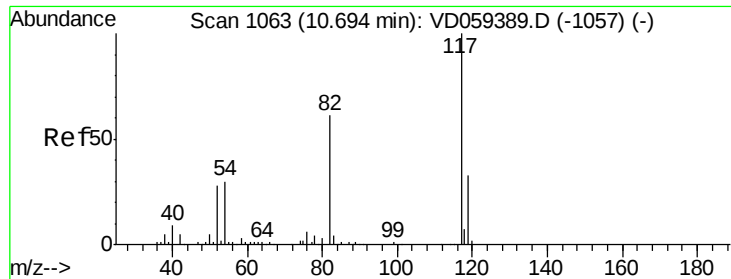
200000

100000

0

Time-->

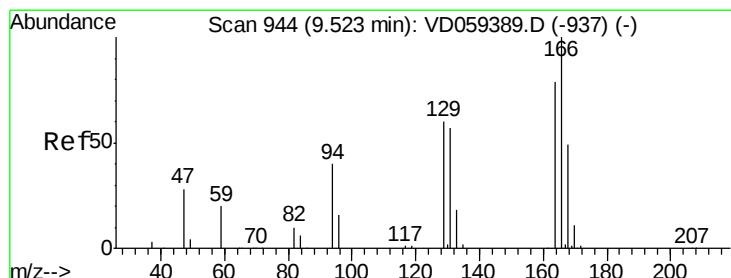
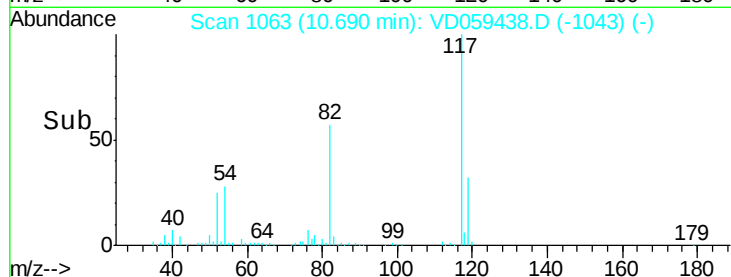
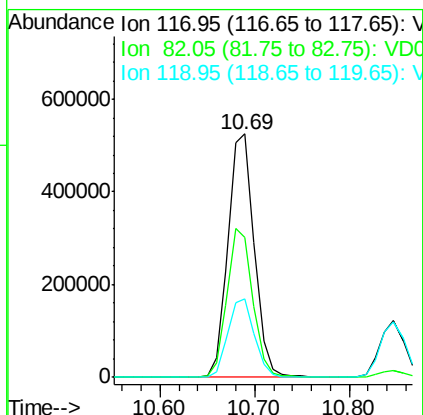
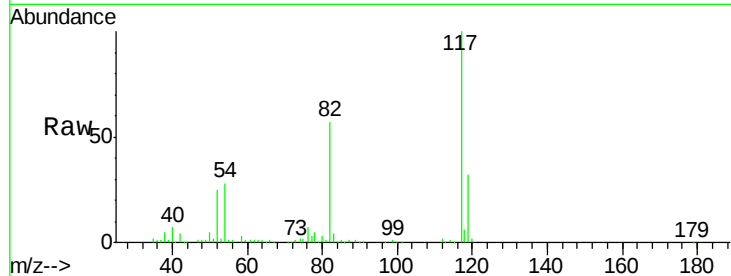




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

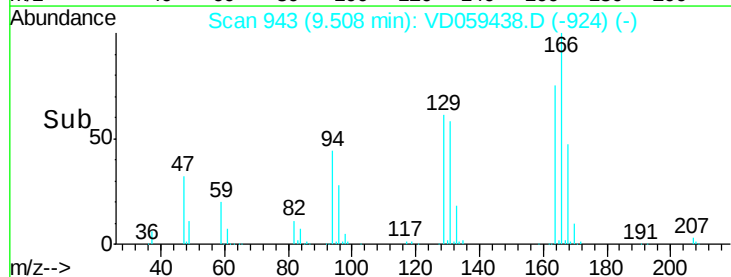
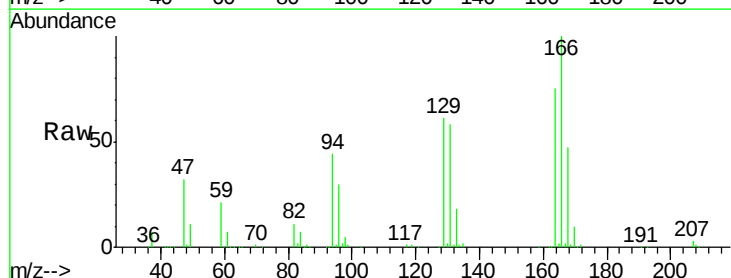
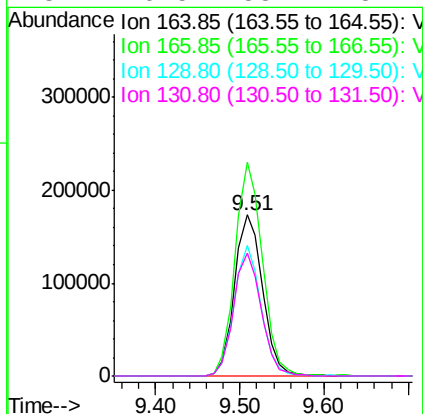
Instrument :
MSVOA_D
ClientSampleId :

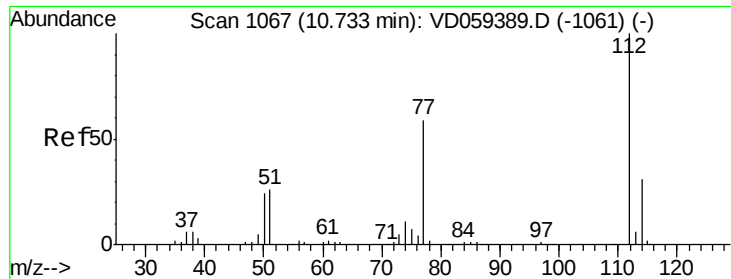
Tot Ion:117 Resp: 1012315
Ion Ratio Lower Upper
117 100
82 57.4 49.0 73.6
119 32.3 26.2 39.4



#64
Tetrachloroethene
Concen: 45.37 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion:164 Resp: 402942
Ion Ratio Lower Upper
164 100
166 132.8 101.4 152.2
129 80.9 60.9 91.3
131 76.5 58.2 87.4

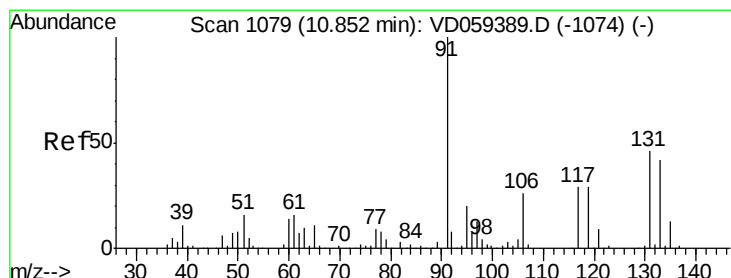
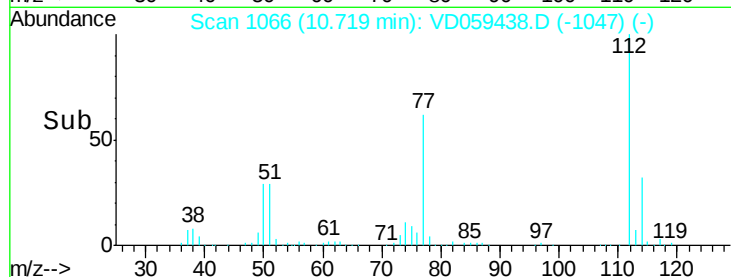
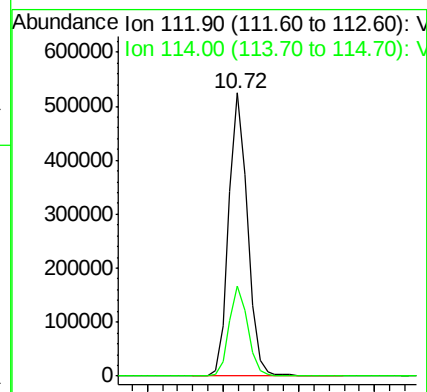
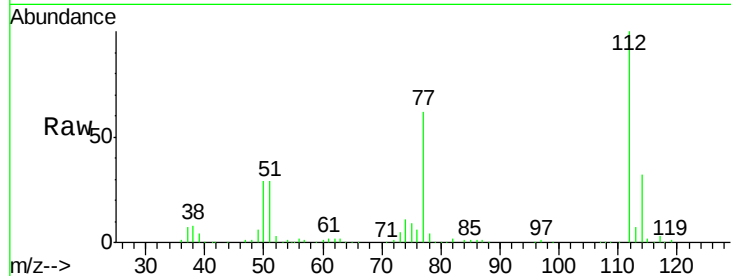




#65
Chlorobenzene
Concen: 48.72 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

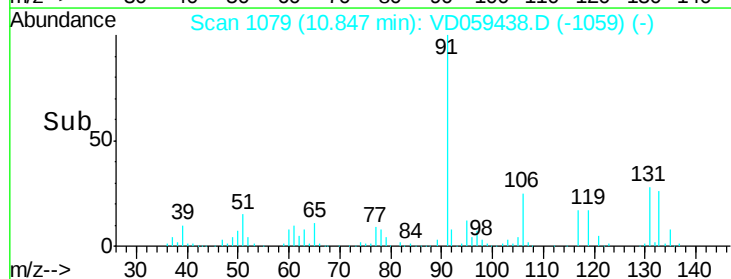
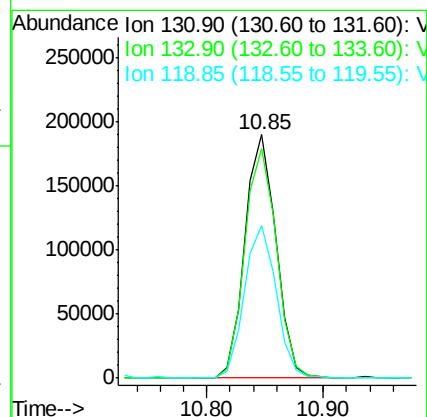
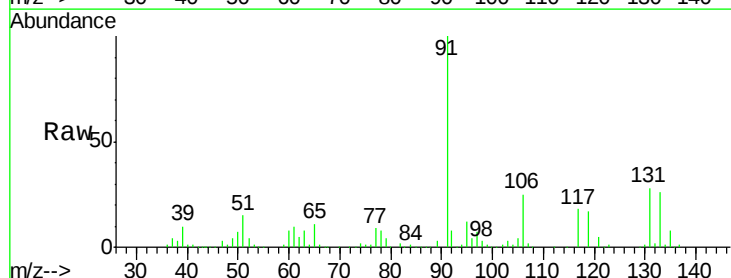
Instrument :
MSVOA_D
ClientSampleId :

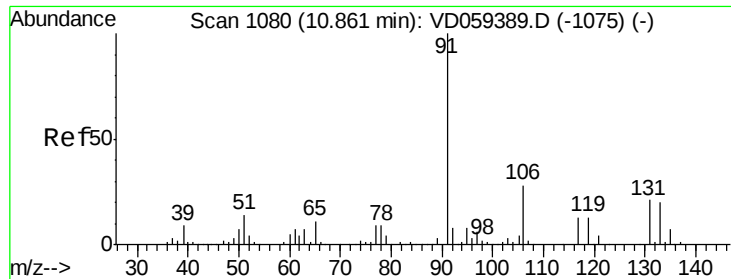
Tot Ion:112 Resp: 901911
Ion Ratio Lower Upper
112 100
114 31.7 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.57 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion:131 Resp: 352213
Ion Ratio Lower Upper
131 100
133 94.2 45.7 137.1
119 62.6 32.3 96.9

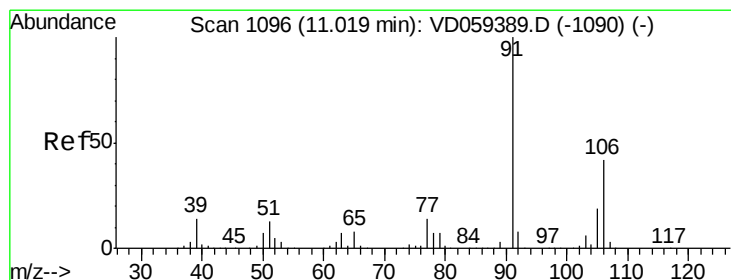
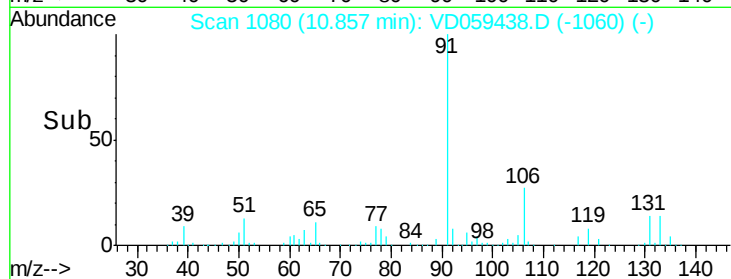
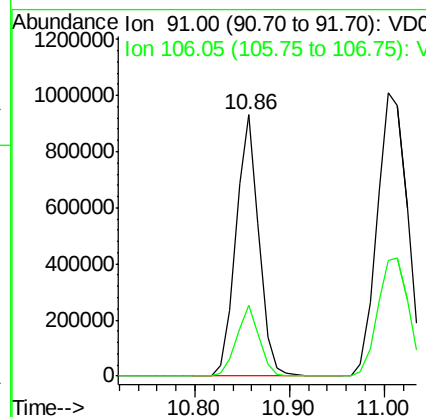
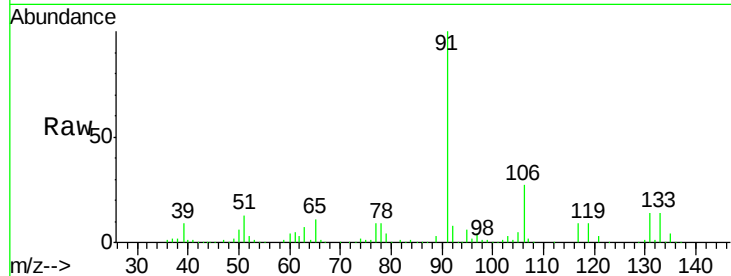




#67
Ethyl Benzene
Concen: 49.72 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

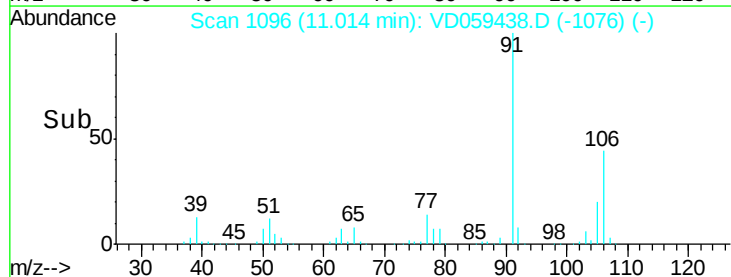
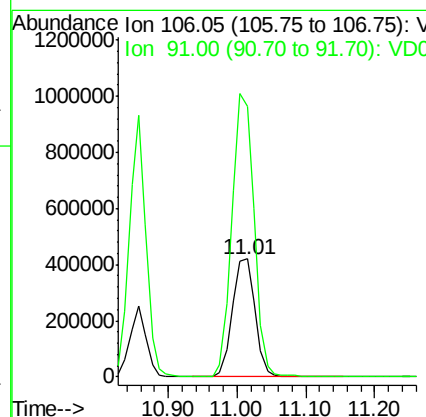
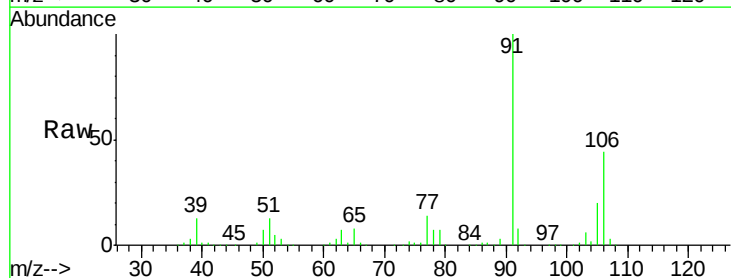
Instrument :
MSVOA_D
ClientSampled :

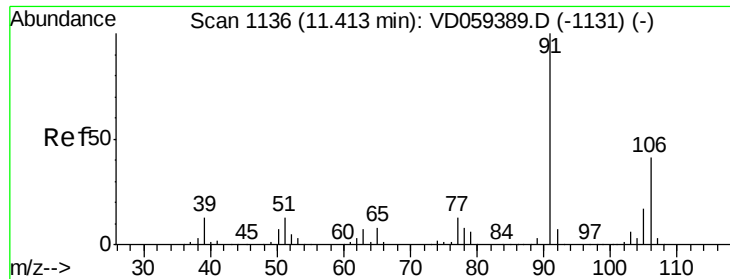
Tot Ion: 91 Resp: 1552940
Ion Ratio Lower Upper
91 100
106 27.4 22.3 33.5



#68
m/p-Xylenes
Concen: 92.61 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion: 106 Resp: 959686
Ion Ratio Lower Upper
106 100
91 229.5 191.0 286.6

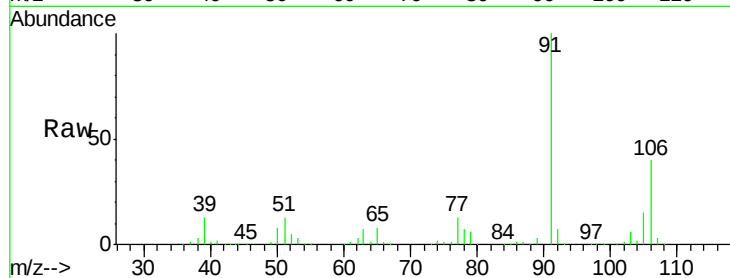




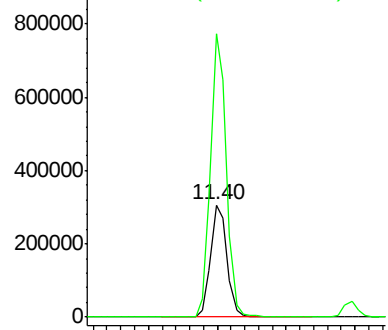
#69
o-Xylene
Concen: 49.25 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Instrument :
MSVOA_D
ClientSampled :

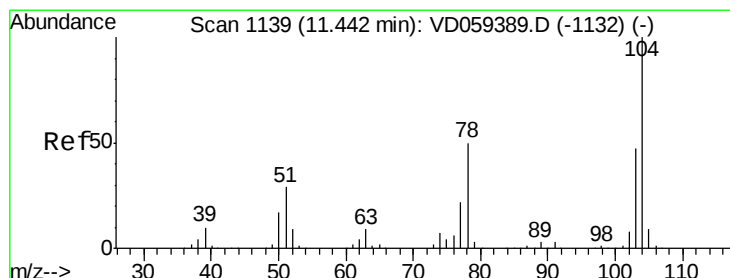
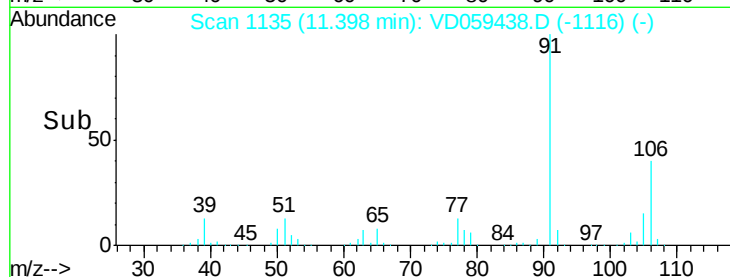
Tot Ion:106 Resp: 504559
Ion Ratio Lower Upper
106 100
91 251.8 121.0 362.8



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

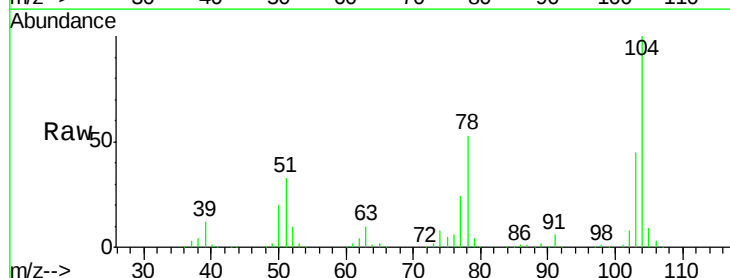


Time-->

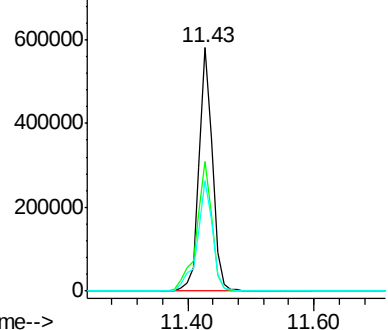


#70
Styrene
Concen: 48.72 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

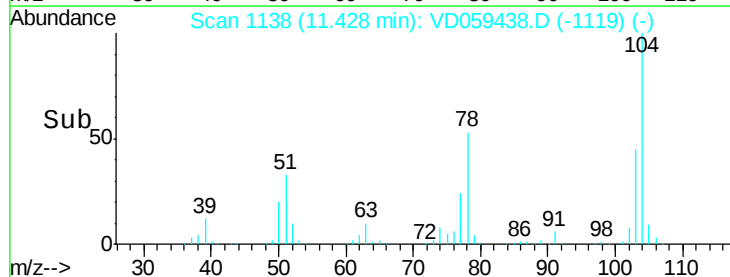
Tgt Ion:104 Resp: 855659
Ion Ratio Lower Upper
104 100
78 53.4 40.2 60.4
103 45.5 37.8 56.8

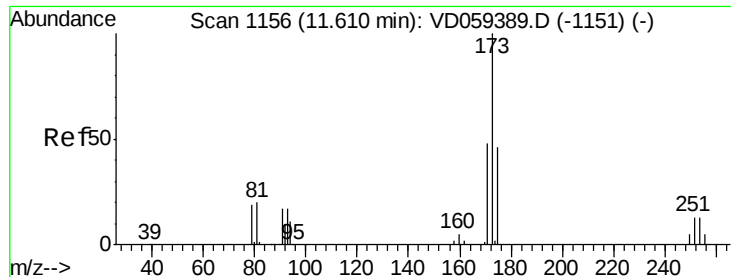


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->

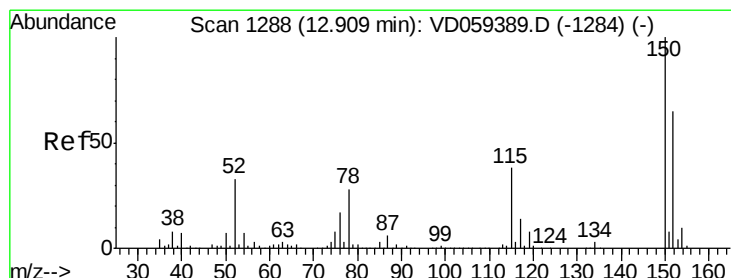
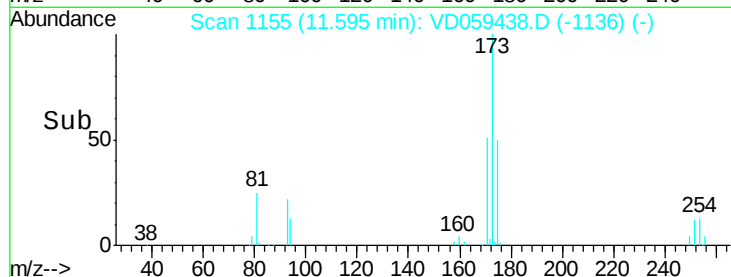
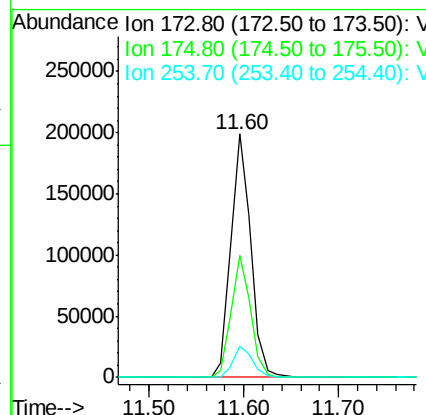
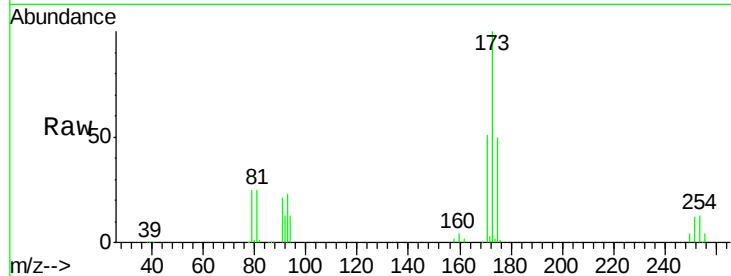




#71
Bromoform
Concen: 49.18 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

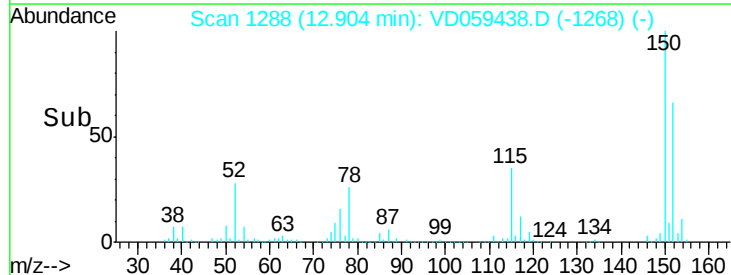
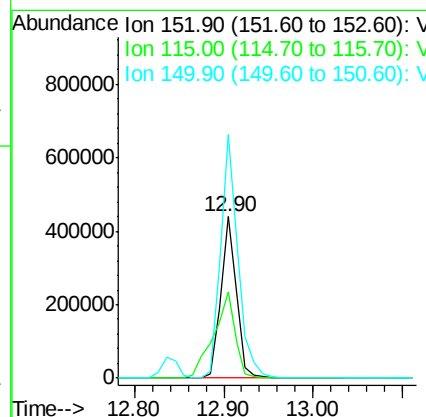
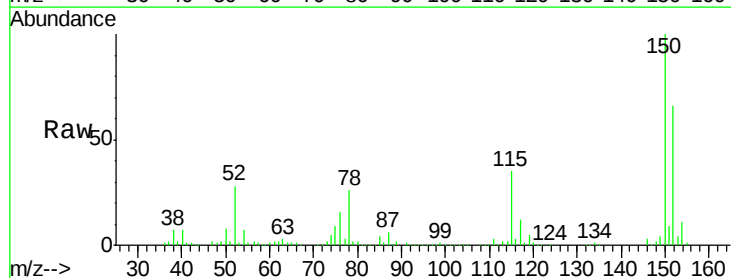
Instrument :
MSVOA_D
ClientSampleId :

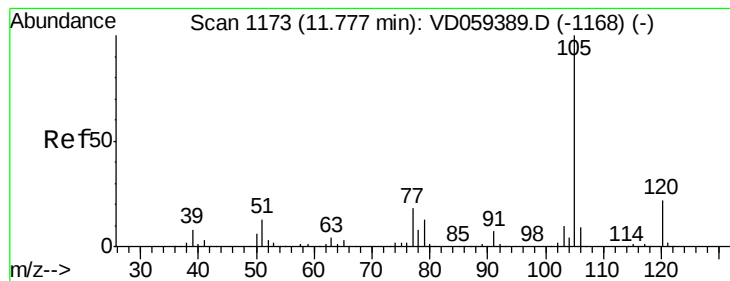
Tot Ion:173 Resp: 289505
Ion Ratio Lower Upper
173 100
175 50.0 22.8 68.4
254 13.0 10.1 15.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion:152 Resp: 533577
Ion Ratio Lower Upper
152 100
115 53.4 29.4 88.3
150 150.9 0.0 308.2





#73

Isopropylbenzene

Concen: 48.20 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

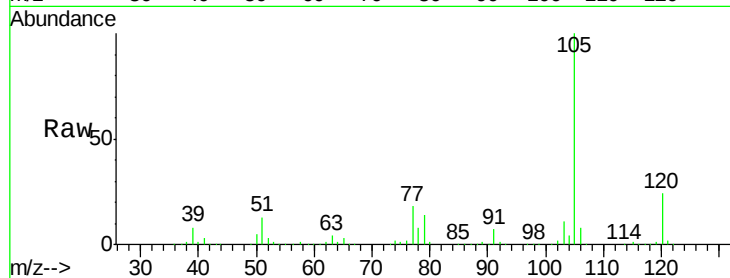
ClientSampleId :

Tot Ion:105 Resp: 1451455

Ion Ratio Lower Upper

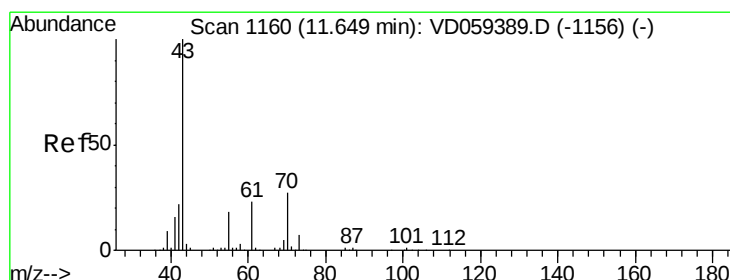
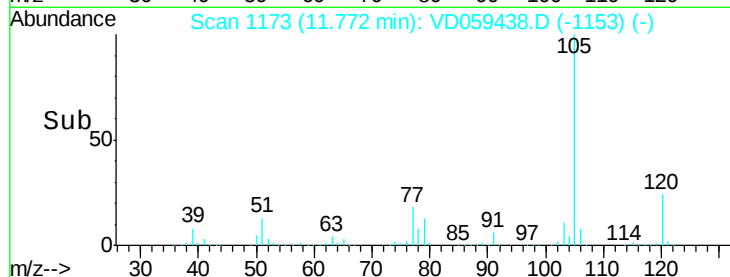
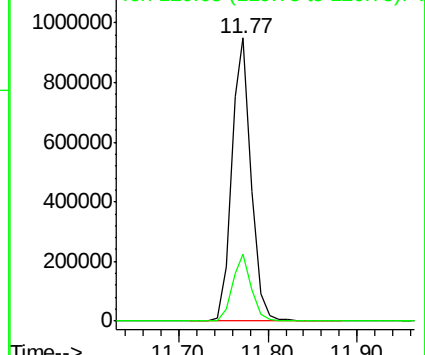
105 100

120 23.7 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 43.65 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Tgt Ion: 43 Resp: 500022

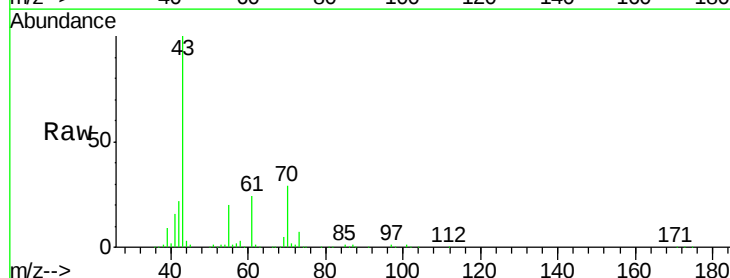
Ion Ratio Lower Upper

43 100

70 29.0 21.7 32.5

55 19.5 14.6 22.0

61 23.6 18.0 27.0

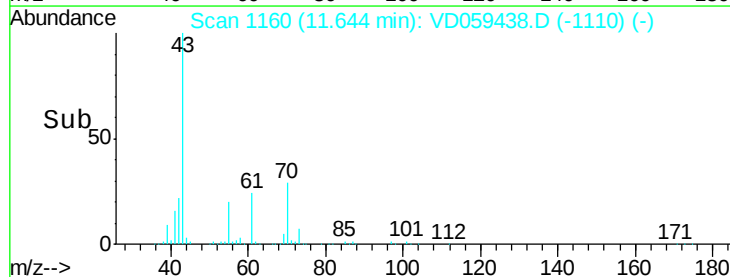
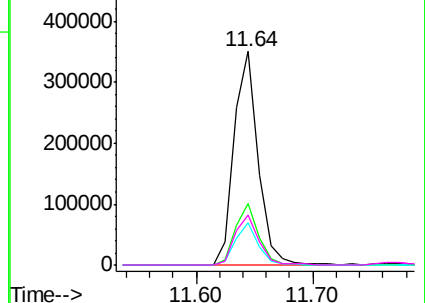


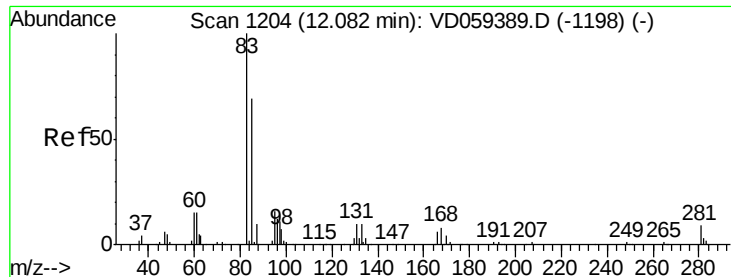
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.56 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampled :

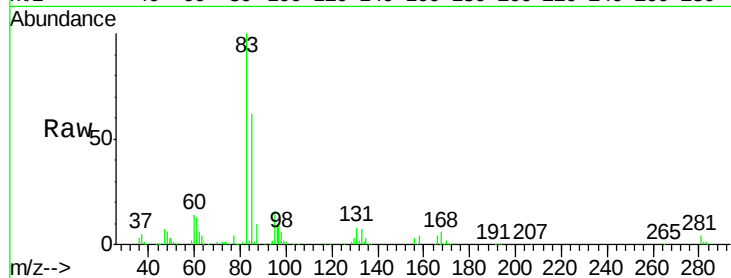
Tot Ion: 83 Resp: 328939

Ion Ratio Lower Upper

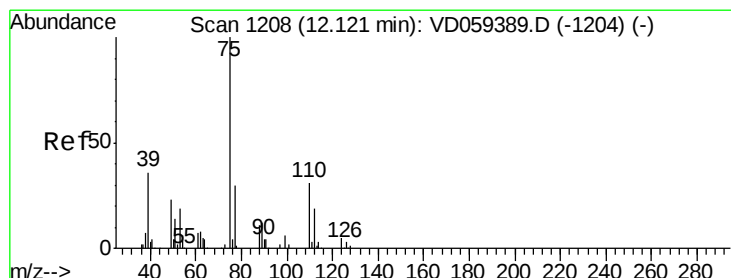
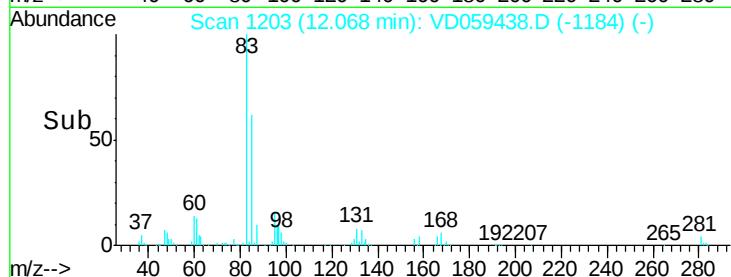
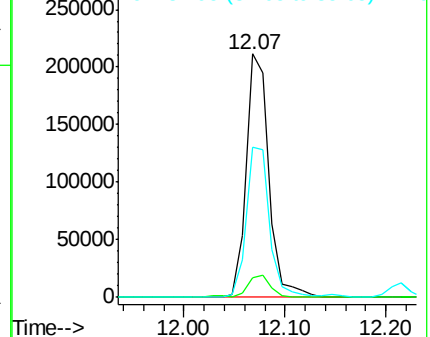
83 100

131 8.0 4.9 14.6

85 61.6 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: 47.34 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059438.D

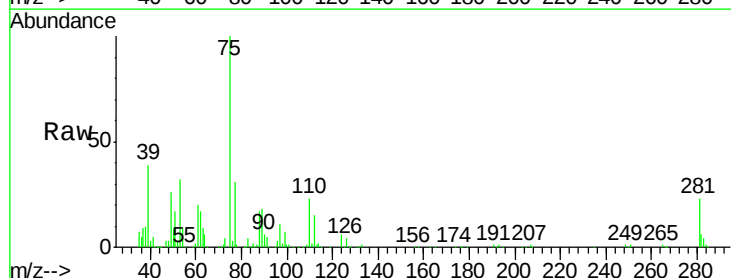
Acq: 27 Jun 2018 11:46

Tgt Ion: 75 Resp: 348444

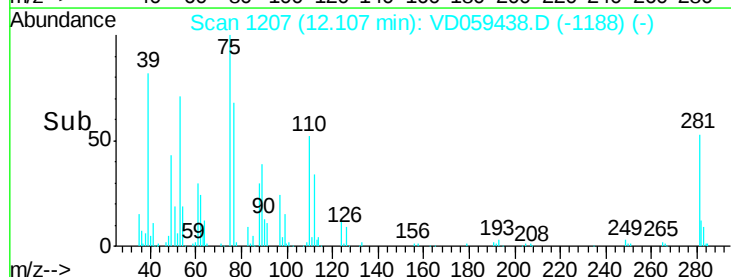
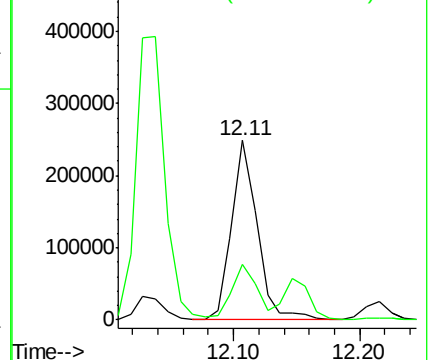
Ion Ratio Lower Upper

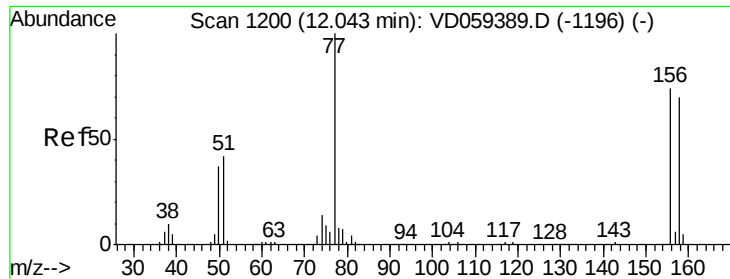
75 100

77 31.0 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: 49.09 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampled :

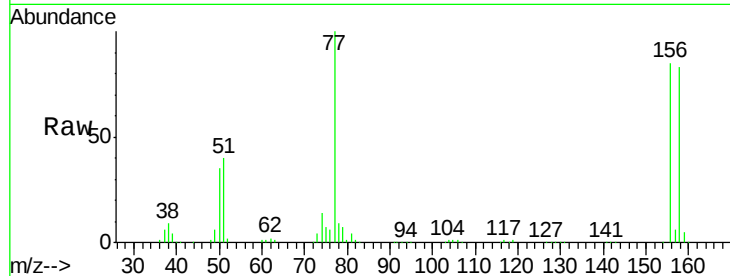
Tot Ion:156 Resp: 465243

Ion Ratio Lower Upper

156 100

77 117.0 68.0 203.8

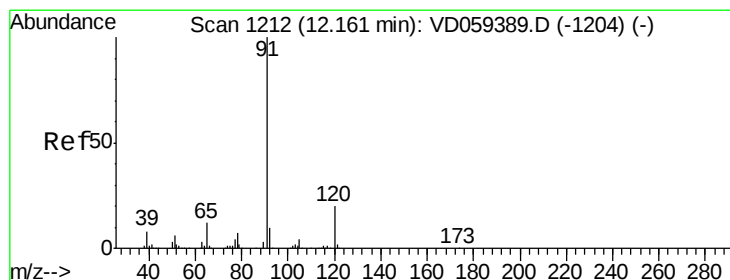
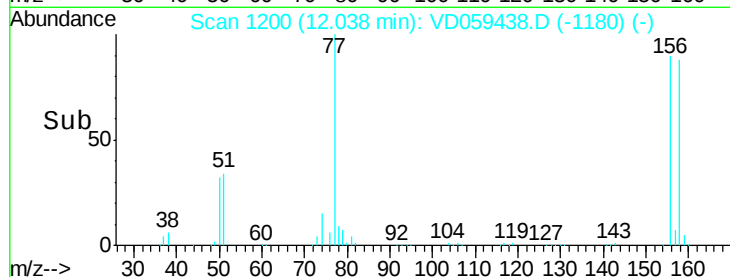
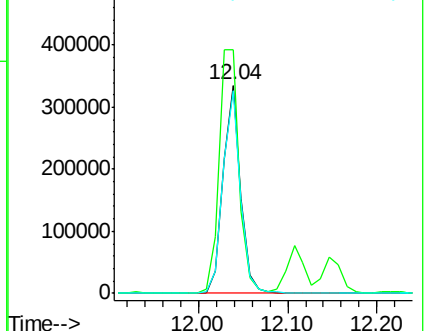
158 97.3 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.61 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD059438.D

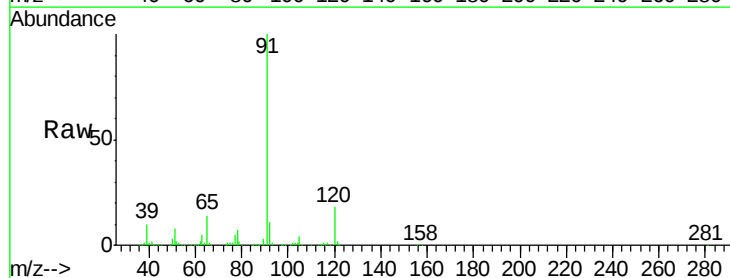
Acq: 27 Jun 2018 11:46

Tgt Ion: 91 Resp: 1853801

Ion Ratio Lower Upper

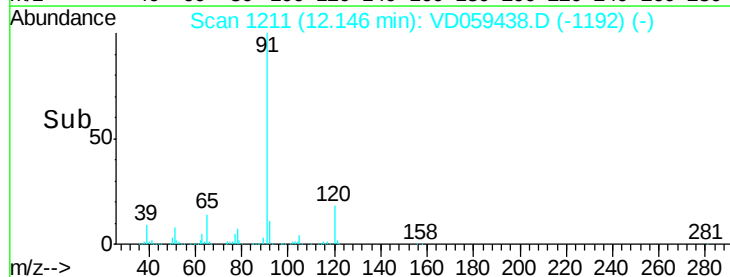
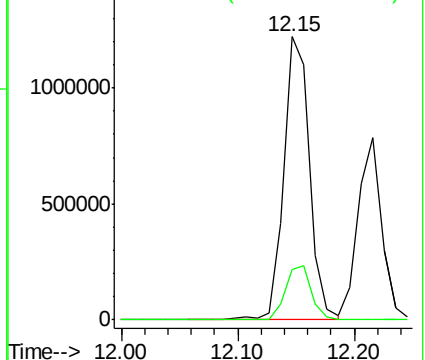
91 100

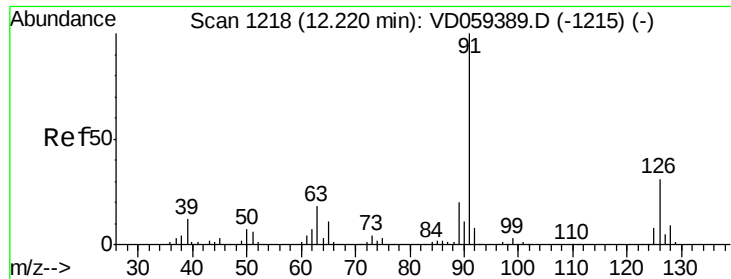
120 17.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

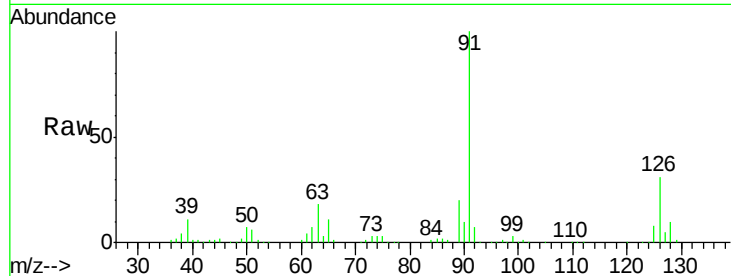




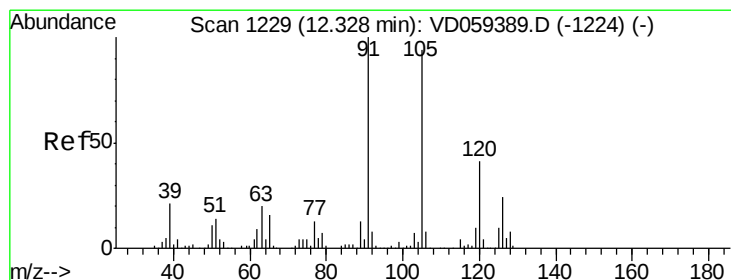
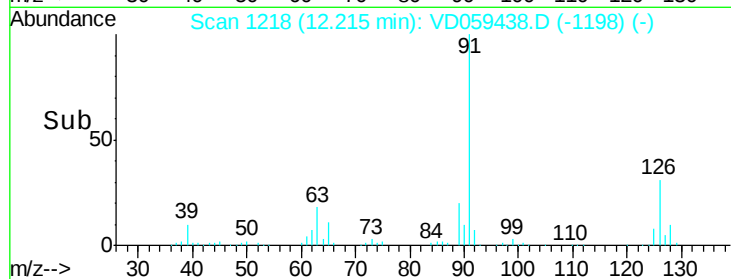
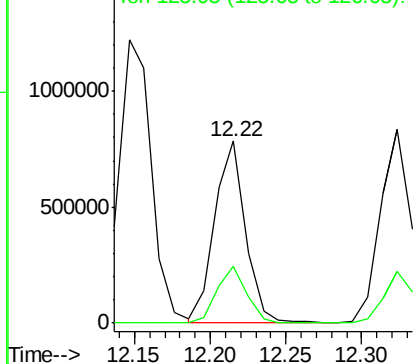
#79
 2-Chlorotoluene
 Concen: 49.71 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 1113324
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.2 45.5

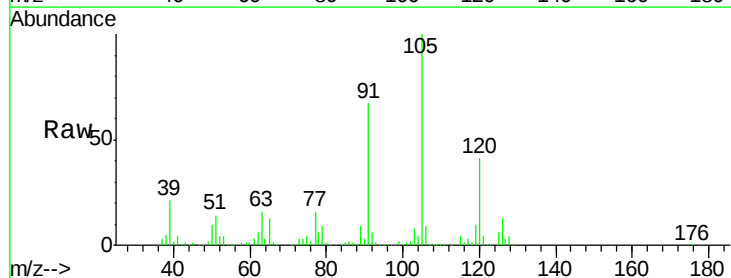


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

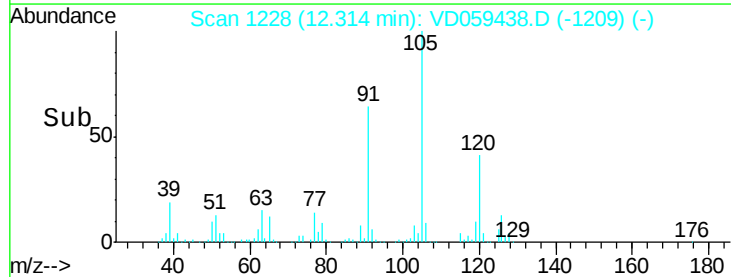
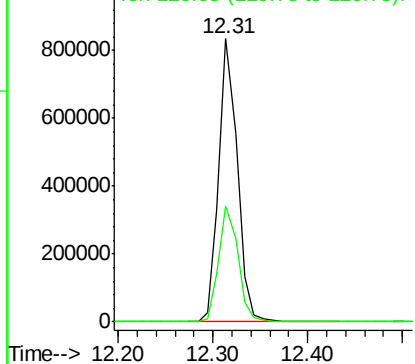


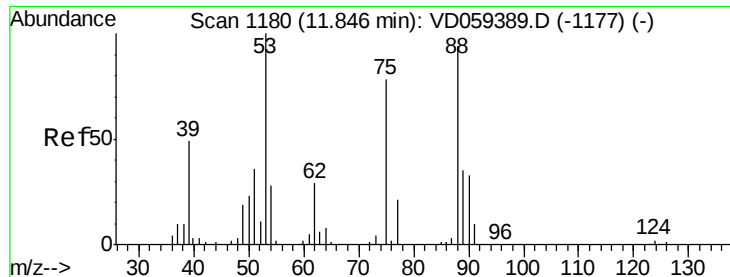
#80
 1,3,5-Trimethylbenzene
 Concen: 47.31 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion: 105 Resp: 1134017
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.9 65.7



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.86 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

ClientSampled :

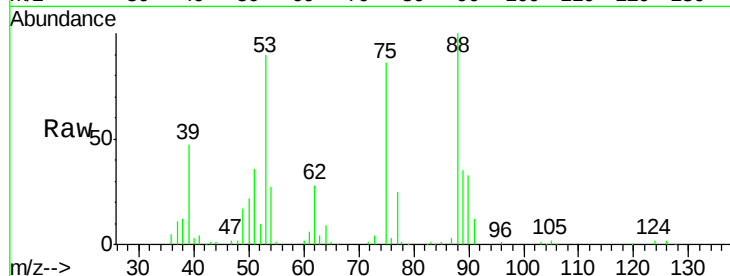
Tot Ion: 75 Resp: 90096

Ion Ratio Lower Upper

75 100

53 105.0 102.6 154.0

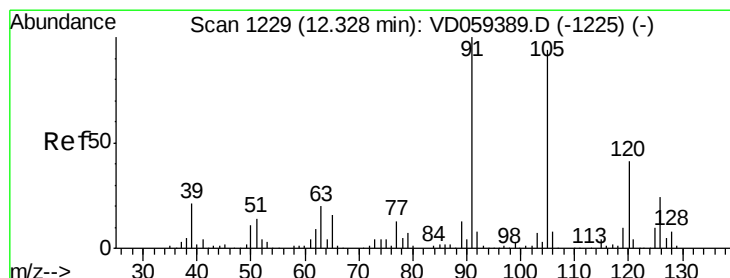
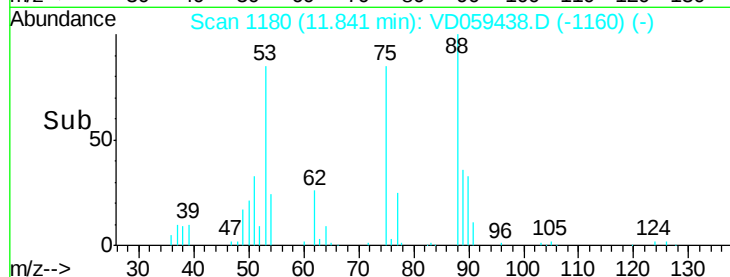
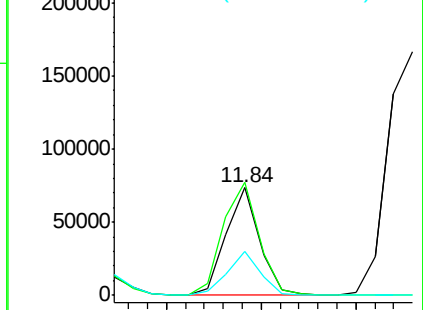
89 41.3 35.9 53.9



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: 46.85 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059438.D

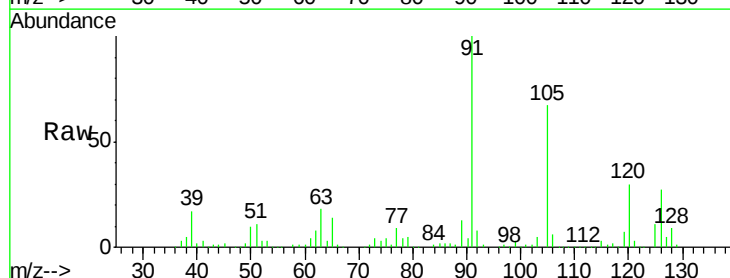
Acq: 27 Jun 2018 11:46

Tgt Ion: 91 Resp: 1189786

Ion Ratio Lower Upper

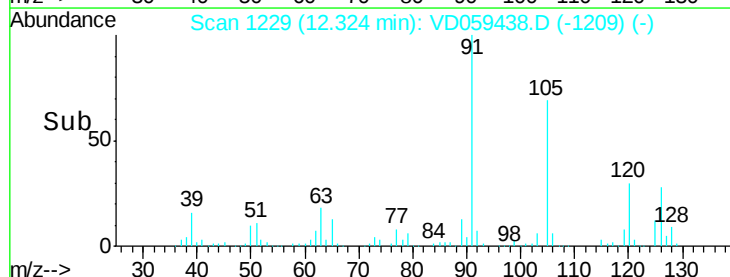
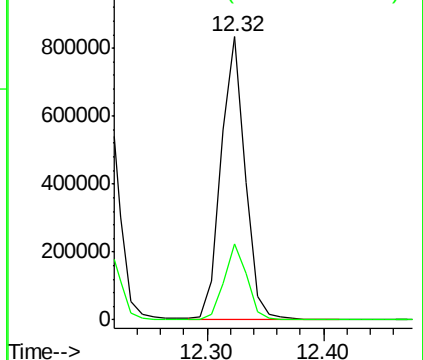
91 100

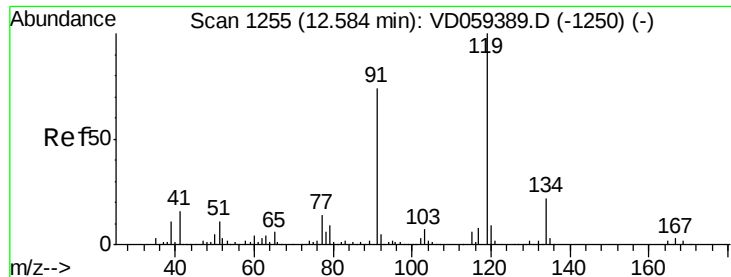
126 26.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

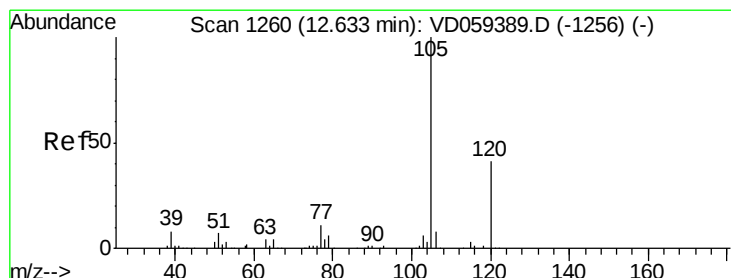
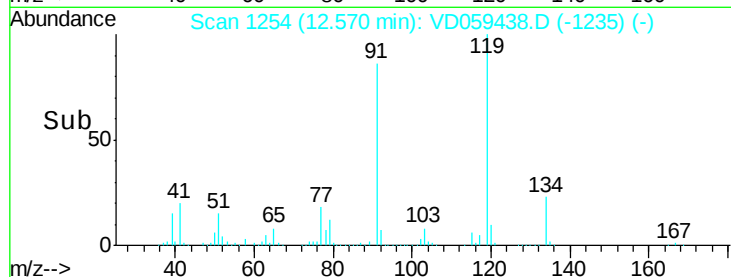
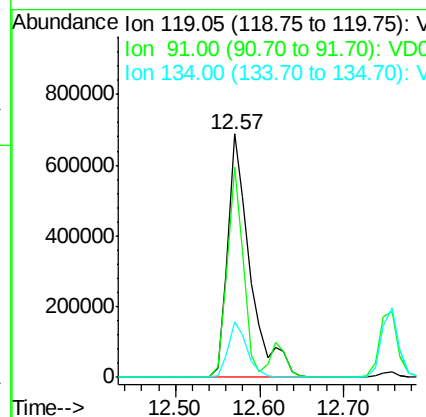
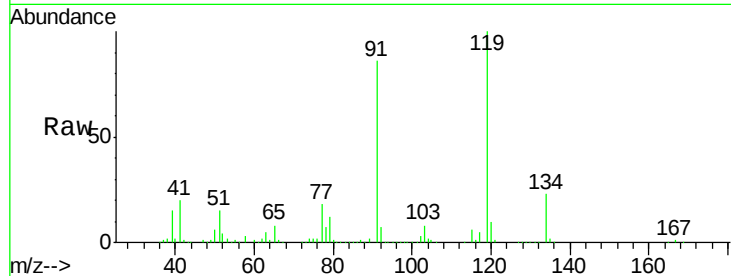




#83
tert-Butylbenzene
Concen: 50.22 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

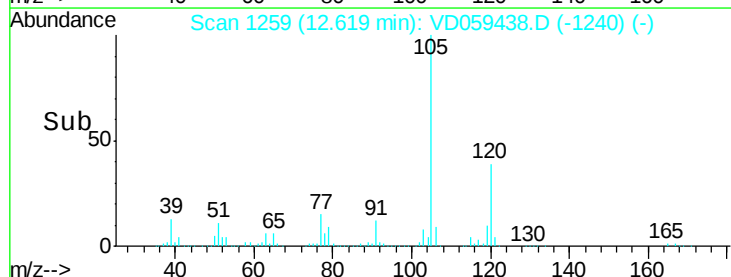
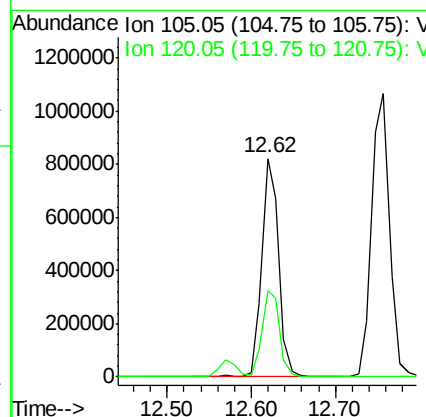
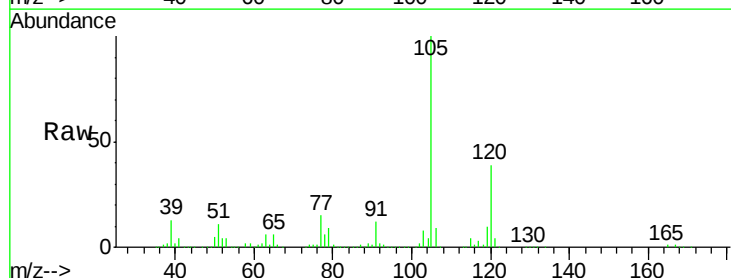
Instrument :
MSVOA_D
ClientSampleId :

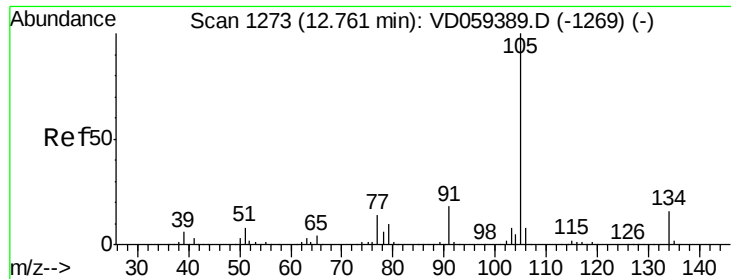
Tot Ion:119 Resp: 1280587
Ion Ratio Lower Upper
119 100
91 86.4 36.9 110.7
134 22.9 11.2 33.6



#84
1,2,4-Trimethylbenzene
Concen: 46.18 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion:105 Resp: 1171412
Ion Ratio Lower Upper
105 100
120 39.3 21.5 64.5





#85

sec-Butylbenzene

Concen: 50.23 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

Instrument :

MSVOA_D

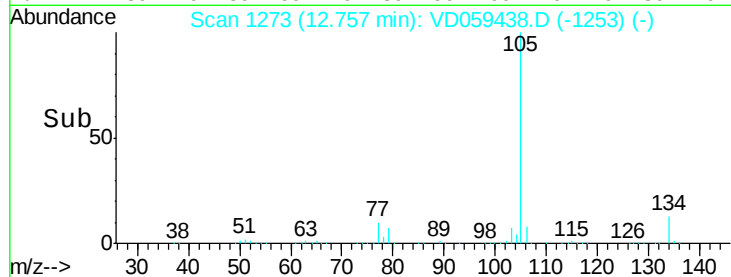
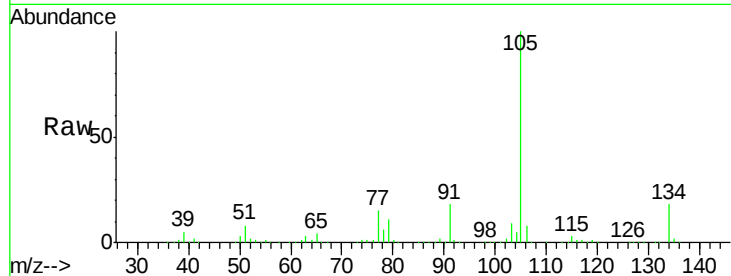
ClientSampleId :

Tot Ion:105 Resp: 1571709

Ion Ratio Lower Upper

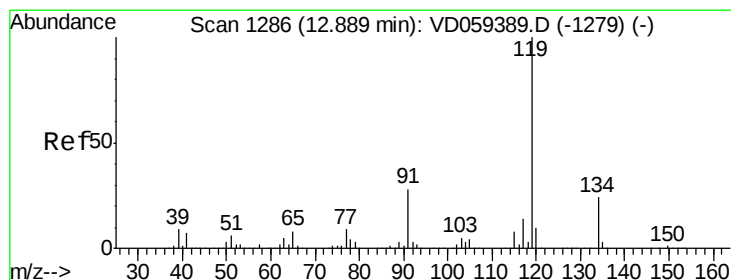
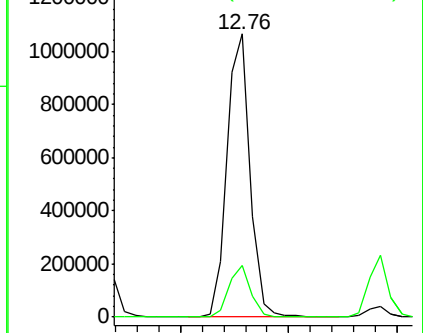
105 100

134 18.3 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.75 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059438.D

Acq: 27 Jun 2018 11:46

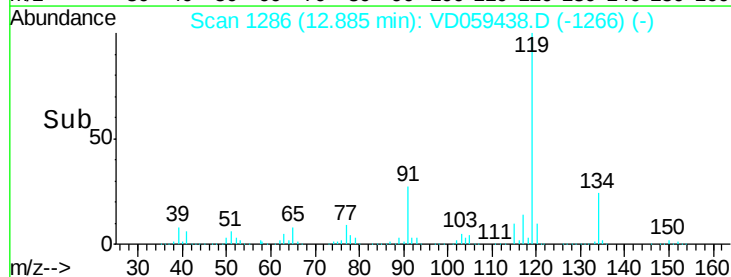
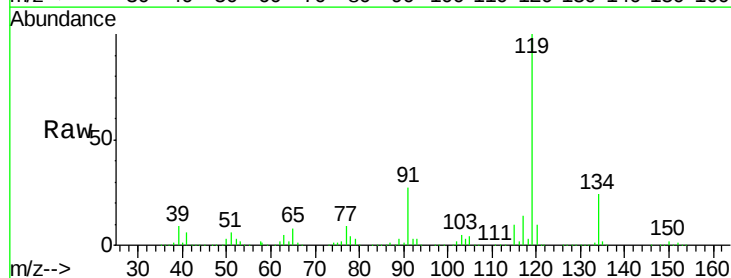
Tgt Ion:119 Resp: 1254551

Ion Ratio Lower Upper

119 100

134 23.9 11.9 35.5

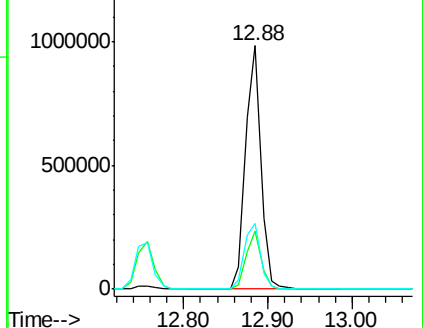
91 27.2 14.1 42.4



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

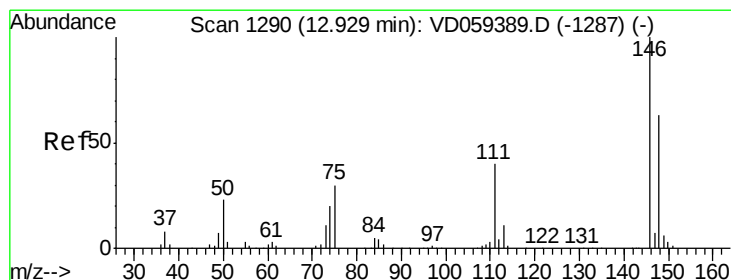
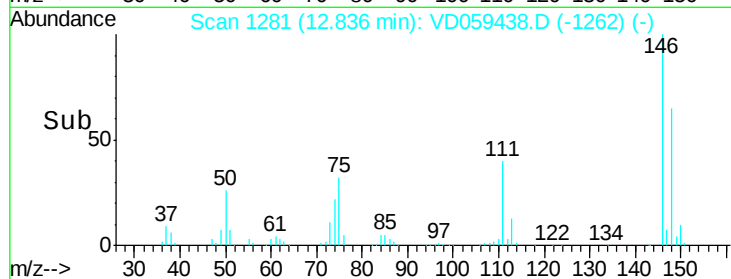
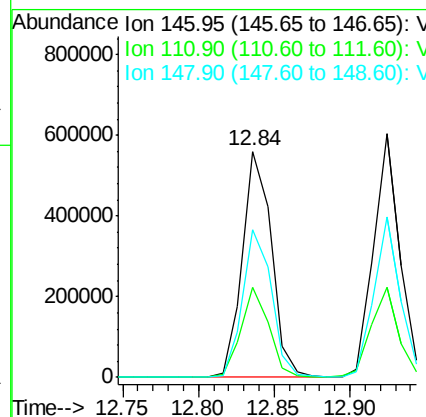
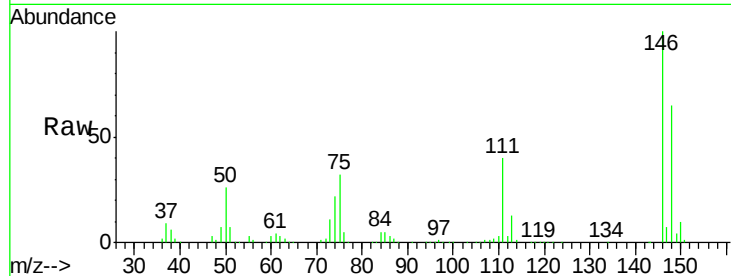




#87
 1,3-Dichlorobenzene
 Concen: 47.99 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

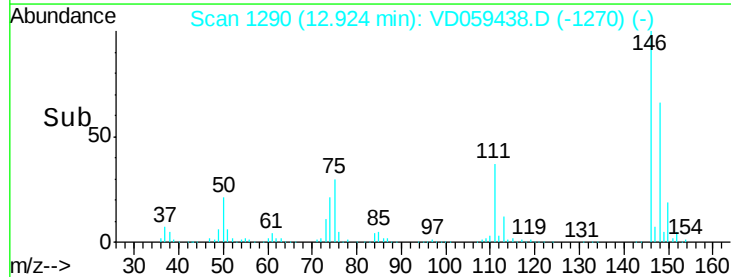
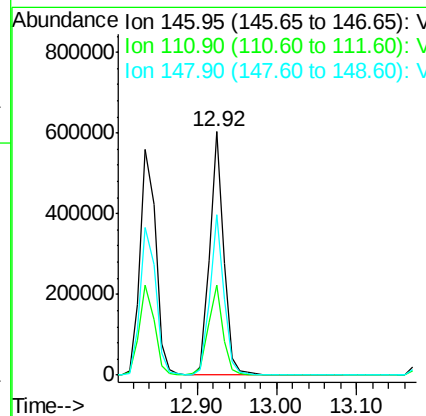
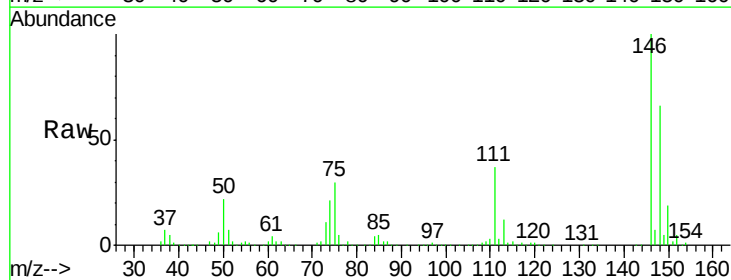
Instrument :
 MSVOA_D
 ClientSampleId :

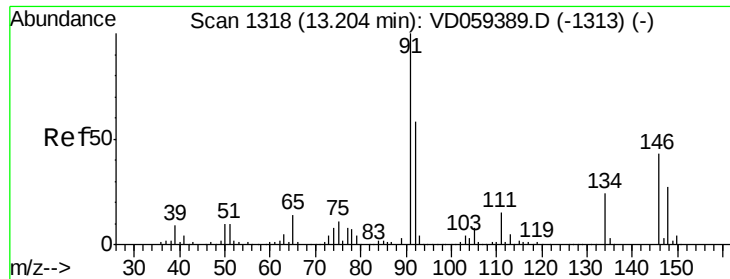
Tot Ion:146 Resp: 748184
 Ion Ratio Lower Upper
 146 100
 111 39.7 17.6 52.8
 148 65.2 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 48.16 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion:146 Resp: 740960
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.1 60.2
 148 65.9 31.4 94.0

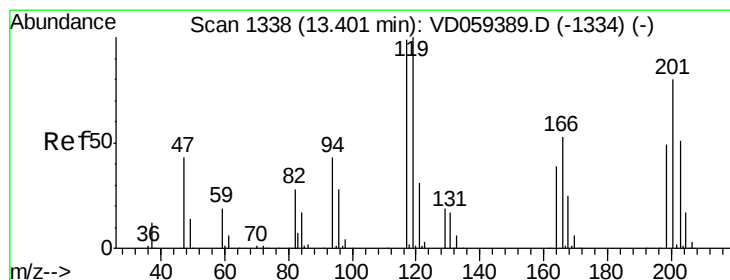
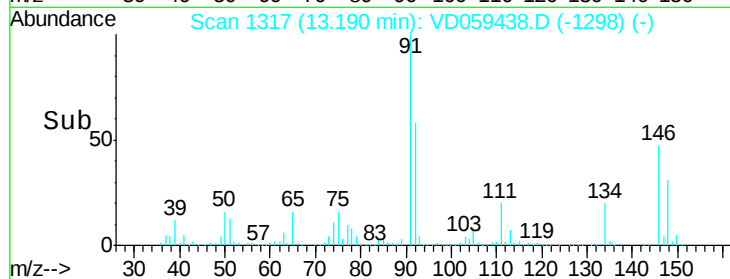
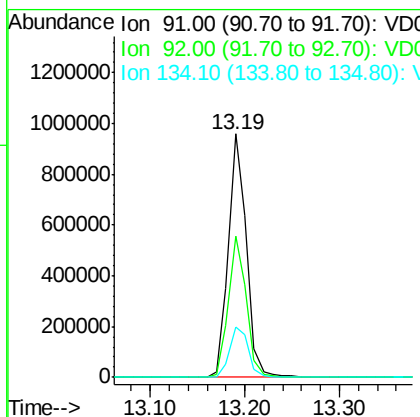
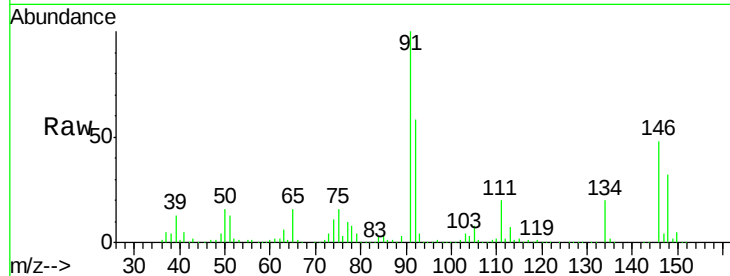




#89
n-Butylbenzene
Concen: 50.57 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

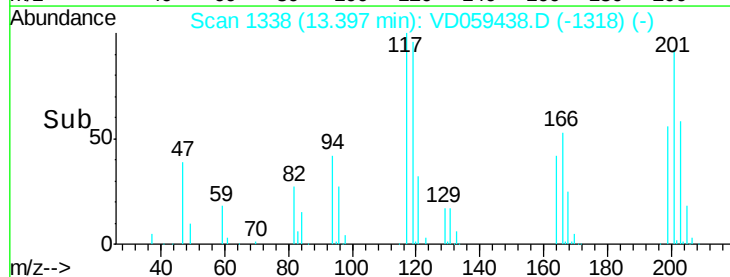
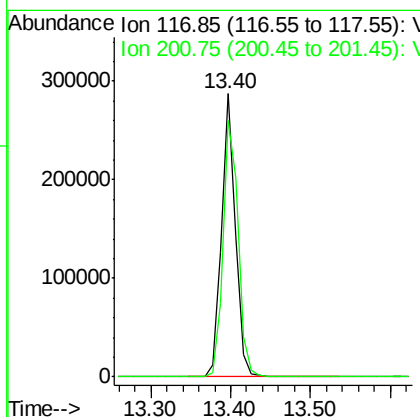
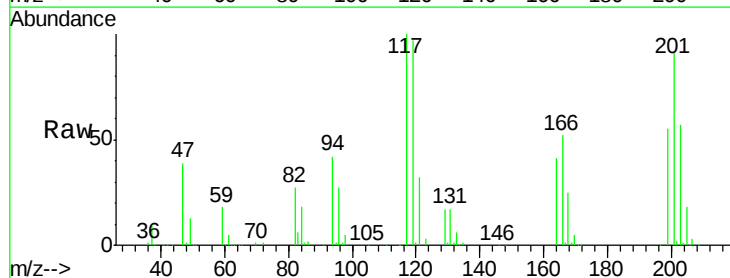
Instrument :
MSVOA_D
ClientSampleId :

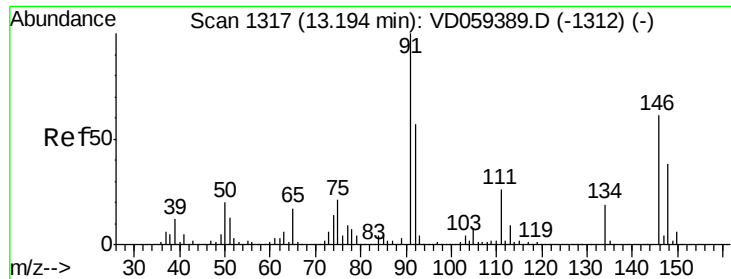
Tot Ion: 91 Resp: 1258842
Ion Ratio Lower Upper
91 100
92 57.8 28.8 86.5
134 20.5 11.9 35.7



#90
Hexachloroethane
Concen: 56.42 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion: 117 Resp: 354974
Ion Ratio Lower Upper
117 100
201 90.7 40.1 120.3

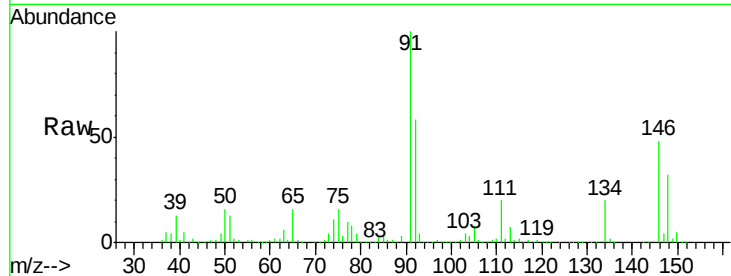




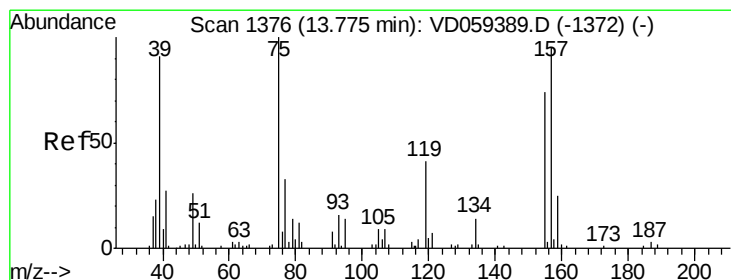
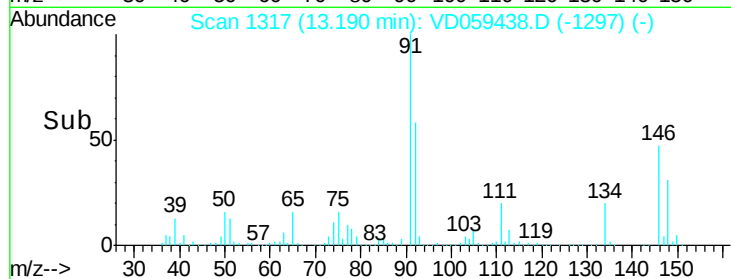
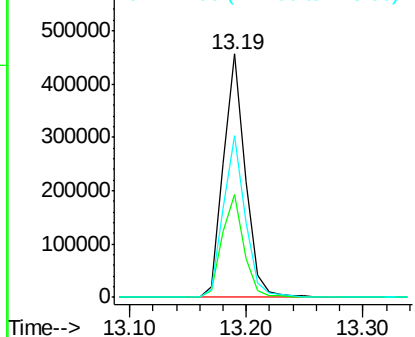
#91
 1,2-Dichlorobenzene
 Concen: 45.01 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 594991
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.4 64.2
 148 66.4 31.6 95.0

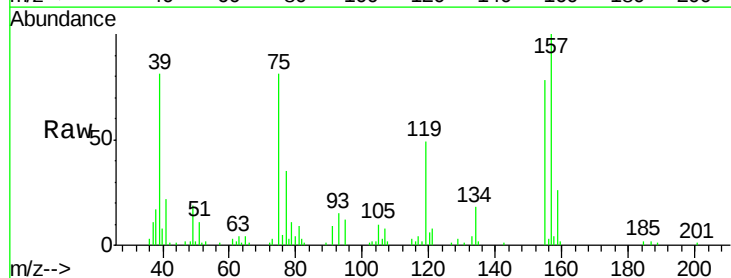


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

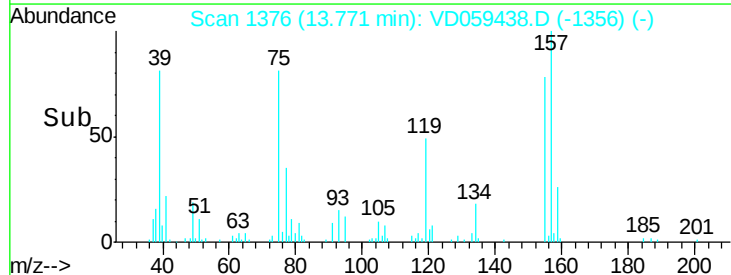
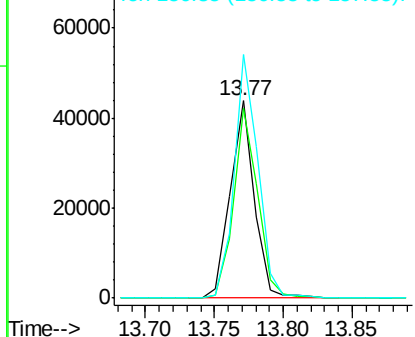


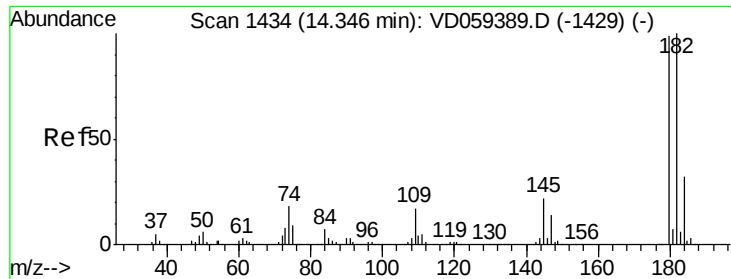
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.58 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion: 75 Resp: 53092
 Ion Ratio Lower Upper
 75 100
 155 96.3 37.2 111.6
 157 123.6 47.4 142.2



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

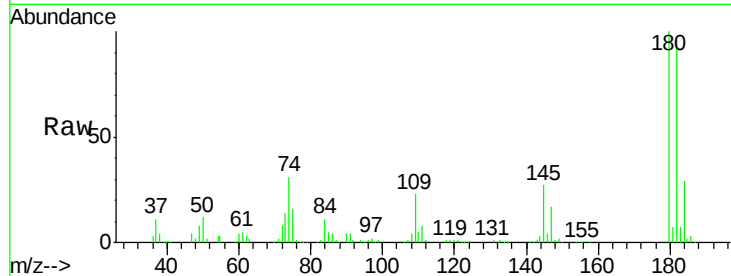




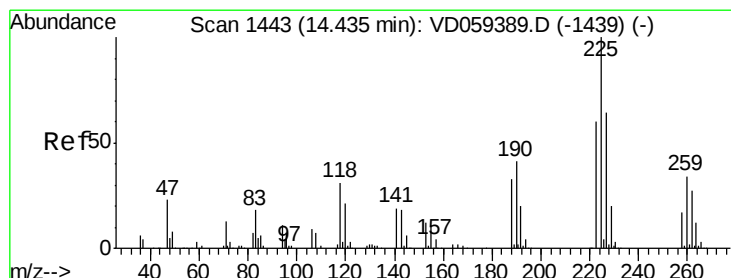
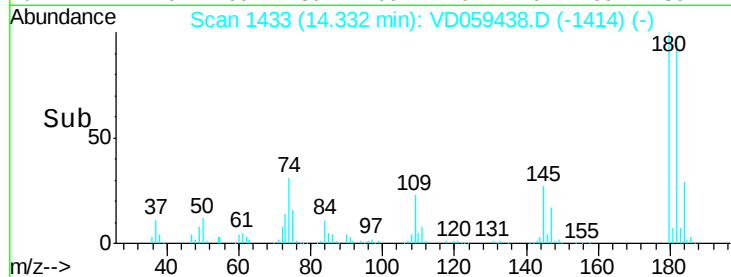
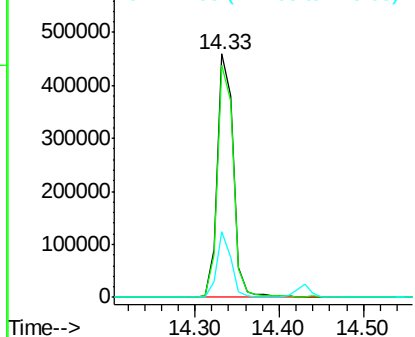
#93
 1,2,4-Trichlorobenzene
 Concen: 49.58 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 605886
 Ion Ratio Lower Upper
 180 100
 182 95.6 50.4 151.2
 145 27.2 11.0 33.0

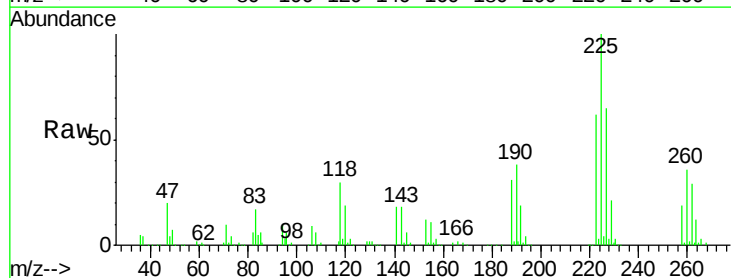


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

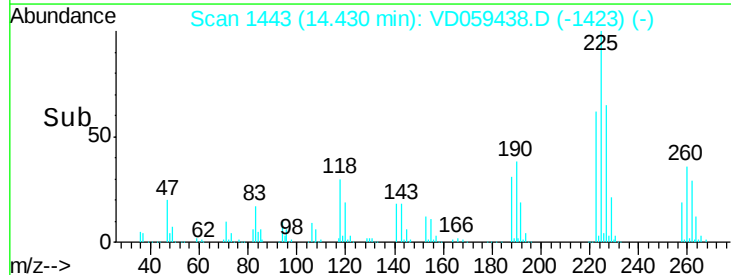
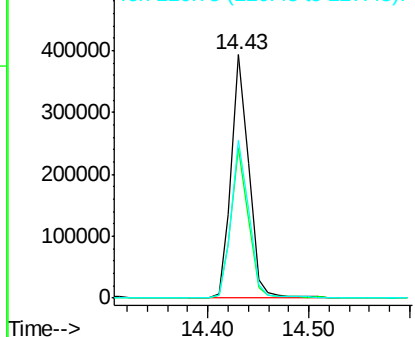


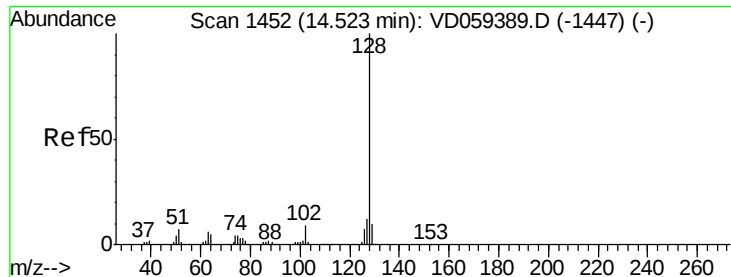
#94
 Hexachlorobutadiene
 Concen: 52.19 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059438.D
 Acq: 27 Jun 2018 11:46

Tgt Ion:225 Resp: 479993
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.0 90.1
 227 64.8 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

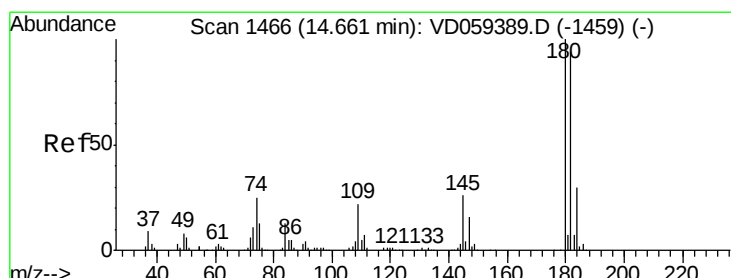
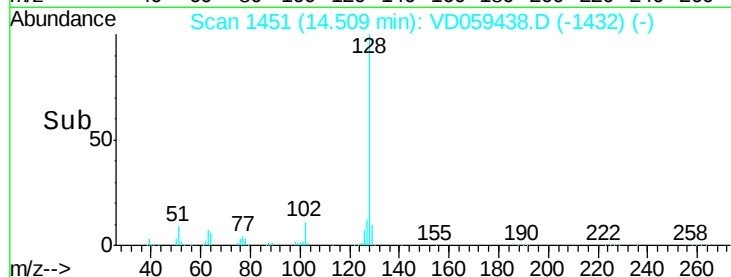
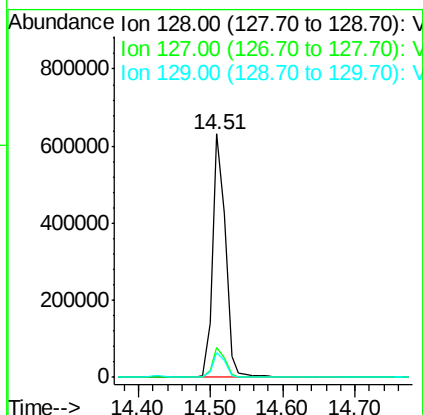
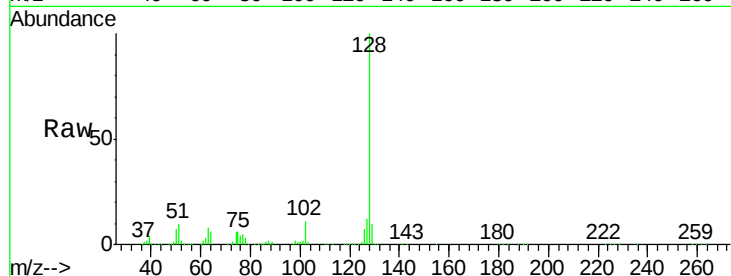




#95
Naphthalene
Concen: 45.31 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 771799
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 10.4 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 47.33 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059438.D
Acq: 27 Jun 2018 11:46

Tgt Ion:180 Resp: 520117
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.4
145 25.3 13.1 39.3

