

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059387.D
 Acq On : 25 Jun 2018 00:22
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 25 06:54:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 06:53:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	879448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1145095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	944374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	500814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	90104	10.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.36%	
35) Dibromofluoromethane	5.55	113	92508	9.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.94%	
50) Toluene-d8	8.71	98	235799	10.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.14%	
62) 4-Bromofluorobenzene	11.93	95	94502	10.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	89297	10.18	ug/l	100
3) Chloromethane	1.48	50	46109	10.64	ug/l	92
4) Vinyl Chloride	1.56	62	43049	9.48	ug/l	99
5) Bromomethane	1.80	94	18946	11.28	ug/l	85
6) Chloroethane	1.88	64	21157	12.42	ug/l	94
7) Trichlorofluoromethane	2.09	101	63728	10.03	ug/l	97
8) Diethyl Ether	2.35	74	14848	11.14	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.56	101	39164	9.82	ug/l	93
10) Methyl Iodide	2.70	142	39770	8.70	ug/l	99
11) Tert butyl alcohol	3.26	59	15135	50.61	ug/l	98
12) 1,1-Dichloroethene	2.54	96	28966	9.71	ug/l	88
13) Acrolein	2.47	56	18866	98.63	ug/l #	79
14) Allyl chloride	2.93	41	64801	9.40	ug/l	96
15) Acrylonitrile	3.36	53	51217	64.14	ug/l	96
16) Acetone	2.62	43	67291	57.07	ug/l	93
17) Carbon Disulfide	2.76	76	89270	8.88	ug/l #	93
18) Methyl Acetate	2.95	43	29898	11.54	ug/l #	90
19) Methyl tert-butyl Ether	3.41	73	150280	16.79	ug/l	97
20) Methylene Chloride	3.07	84	39943	10.68	ug/l	94
21) trans-1,2-Dichloroethene	3.40	96	55329	15.28	ug/l	86
22) Diisopropyl ether	4.08	45	278895	10.21	ug/l	95
23) Vinyl Acetate	4.03	43	732848	50.56	ug/l	96
24) 1,1-Dichloroethane	3.98	63	157053	10.61	ug/l	96
25) 2-Butanone	4.85	43	129522	50.56	ug/l	99
26) 2,2-Dichloropropane	4.81	77	118885	9.65	ug/l	93
27) cis-1,2-Dichloroethene	4.82	96	95911	11.70	ug/l	95
28) Bromochloromethane	5.15	49	72132	10.90	ug/l	92
29) Tetrahydrofuran	5.19	42	73792	54.11	ug/l	98
30) Chloroform	5.33	83	165616	10.53	ug/l	94
31) Cyclohexane	5.59	56	115067	9.19	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	125661	9.66	ug/l	92
36) 1,1-Dichloropropene	5.75	75	109095	9.79	ug/l	99
37) Ethyl Acetate	4.92	43	73063	11.62	ug/l #	90
38) Carbon Tetrachloride	5.73	117	111234	10.01	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	98993	9.16	ug/l	95
40) Benzene	6.03	78	279573	10.48	ug/l	98
41) Methacrylonitrile	5.13	41	31577	10.14	ug/l #	68
42) 1,2-Dichloroethane	6.14	62	120260	11.11	ug/l	98
43) Isopropyl Acetate	7.62	43	90937	10.93	ug/l #	94
44) Trichloroethene	6.98	130	86325	10.72	ug/l	99
45) 1,2-Dichloropropane	7.36	63	71442	10.04	ug/l	90
46) Dibromomethane	7.47	93	54542	11.13	ug/l	94
47) Bromodichloromethane	7.75	83	114331	10.09	ug/l	95
48) Methyl methacrylate	7.51	41	55477	10.95	ug/l	91
49) 1,4-Dioxane	7.50	88	11252	245.63	ug/l	91
51) 4-Methyl-2-Pentanone	8.61	43	295161	54.08	ug/l	91
52) Toluene	8.80	92	166464	10.93	ug/l	96
53) t-1,3-Dichloropropene	9.20	75	93387	9.64	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	114713	10.18	ug/l	95
55) 1,1,2-Trichloroethane	9.46	97	57651	10.69	ug/l	89
56) Ethyl methacrylate	9.33	69	66959	10.53	ug/l	98
57) 1,3-Dichloropropane	9.67	76	96815	10.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	187345	59.41	ug/l	97
59) 2-Hexanone	9.80	43	204030	51.43	ug/l	100
60) Dibromochloromethane	9.97	129	77768	10.60	ug/l	99
61) 1,2-Dibromoethane	10.10	107	62615	10.68	ug/l	98
64) Tetrachloroethene	9.52	164	84636	10.66	ug/l	96
65) Chlorobenzene	10.73	112	196149	11.17	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	69321	10.14	ug/l	93
67) Ethyl Benzene	10.86	91	314885	10.14	ug/l	97
68) m/p-Xylenes	11.02	106	218101	21.15	ug/l	93
69) o-Xylene	11.41	106	108711	10.90	ug/l	100
70) Styrene	11.43	104	182837	10.77	ug/l	95
71) Bromoform	11.61	173	51982	9.64	ug/l	94
73) Isopropylbenzene	11.78	105	304843	10.26	ug/l	99
74) N-amyl acetate	11.65	43	114652	10.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	70936	10.41	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	70637	9.88	ug/l	99
77) Bromobenzene	12.04	156	91921	10.29	ug/l	98
78) n-propylbenzene	12.16	91	371751	9.76	ug/l	97
79) 2-Chlorotoluene	12.22	91	228362	10.44	ug/l	97
80) 1,3,5-Trimethylbenzene	12.33	105	242115	10.50	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.85	75	14850	8.69	ug/l	95
82) 4-Chlorotoluene	12.33	91	273592	11.15	ug/l	97
83) tert-Butylbenzene	12.57	119	258501	9.80	ug/l	92
84) 1,2,4-Trimethylbenzene	12.63	105	256499	10.21	ug/l	99
85) sec-Butylbenzene	12.76	105	305002	9.83	ug/l	97
86) p-Isopropyltoluene	12.89	119	251696	9.98	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	159480	10.36	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	163009	10.85	ug/l	98
89) n-Butylbenzene	13.19	91	262775	10.05	ug/l	96
90) Hexachloroethane	13.40	117	57805	8.90	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	140279	10.79	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	12136	11.13	ug/l	89

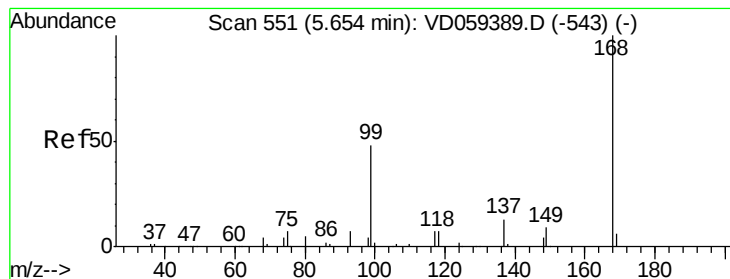
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	120346	9.74	ug/l	96
94) Hexachlorobutadiene	14.43	225	85927	8.81	ug/l	98
95) Naphthalene	14.52	128	172114	10.60	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	108669	9.97	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

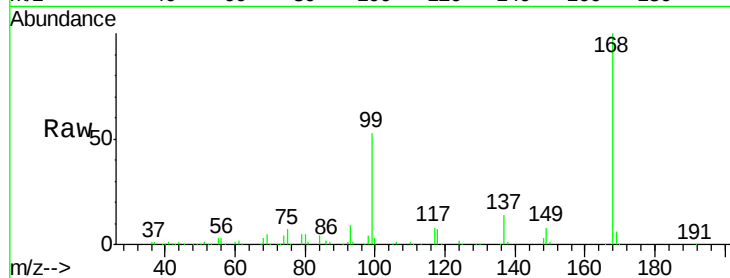
VSTDIC010

Tot Ion:168 Resp: 879448

Ion Ratio Lower Upper

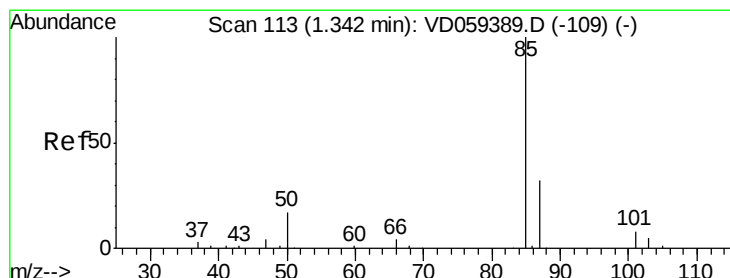
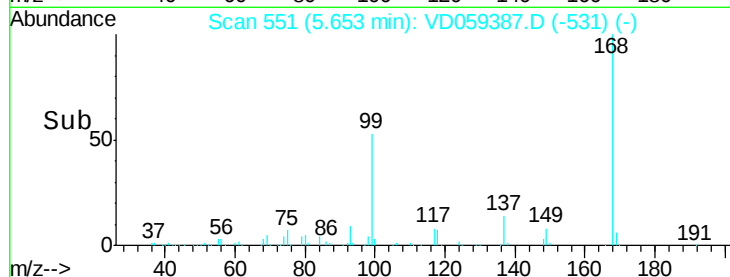
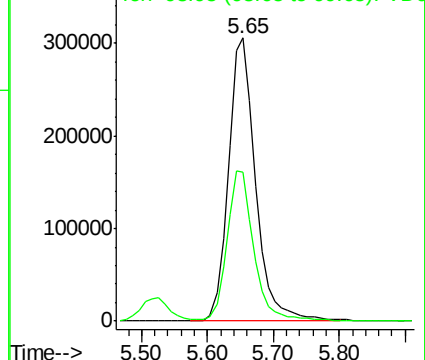
168 100

99 52.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 10.18 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD059387.D

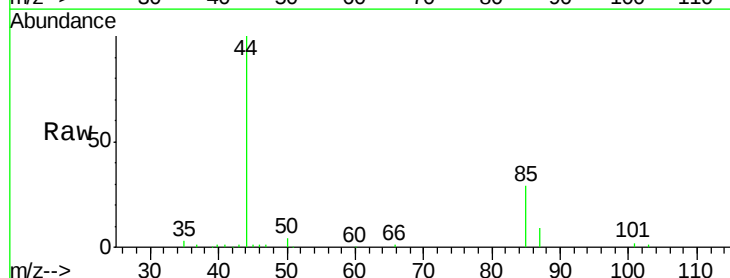
Acq: 25 Jun 2018 00:22

Tgt Ion: 85 Resp: 89297

Ion Ratio Lower Upper

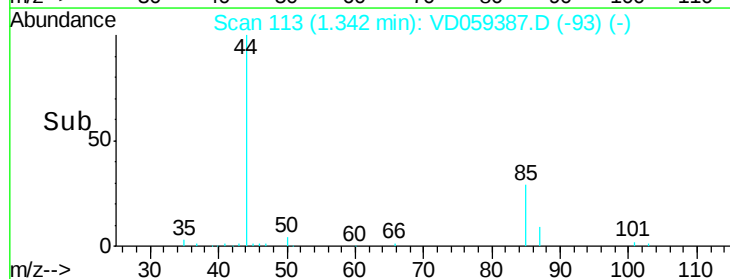
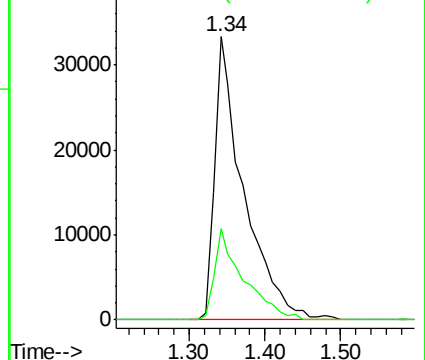
85 100

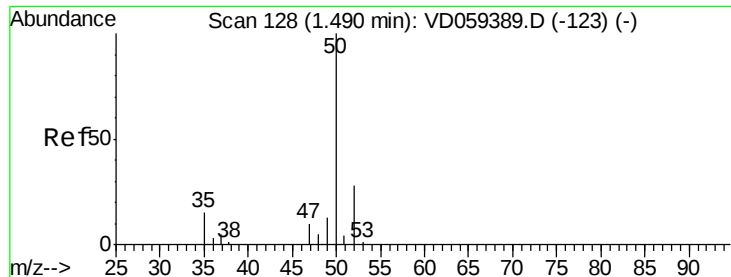
87 32.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.64 ug/l

RT: 1.48 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

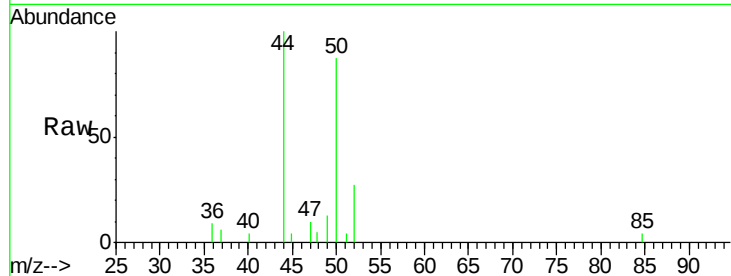
VSTDIC010

Tot Ion: 50 Resp: 46109

Ion Ratio Lower Upper

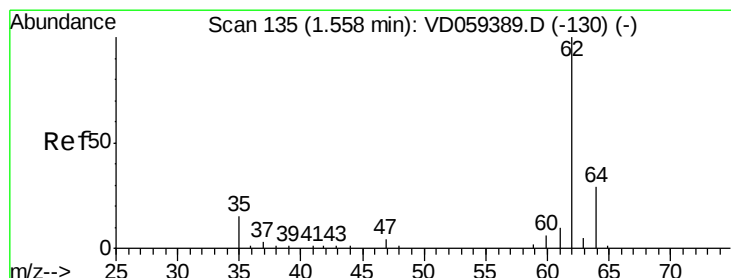
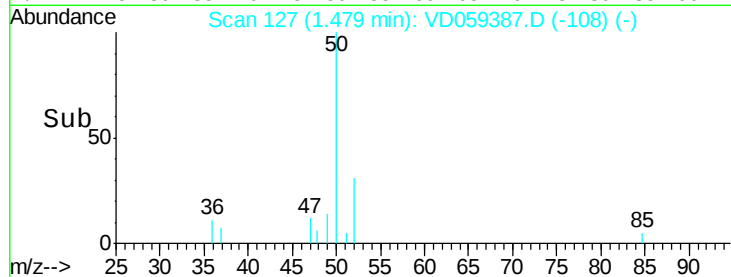
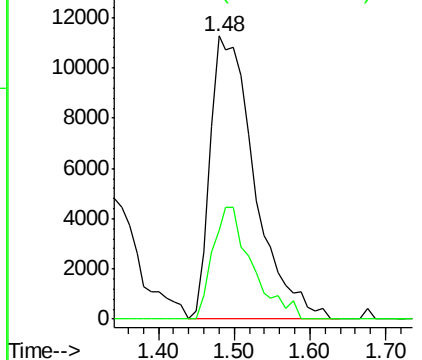
50 100

52 31.3 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: 9.48 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD059387.D

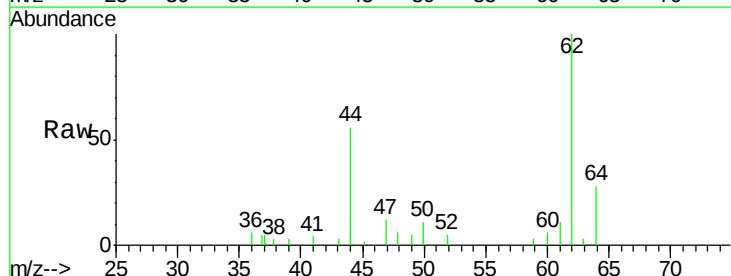
Acq: 25 Jun 2018 00:22

Tgt Ion: 62 Resp: 43049

Ion Ratio Lower Upper

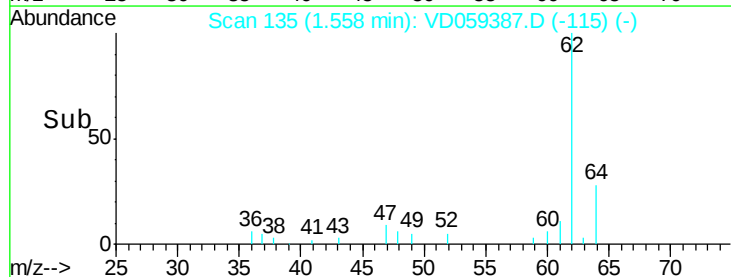
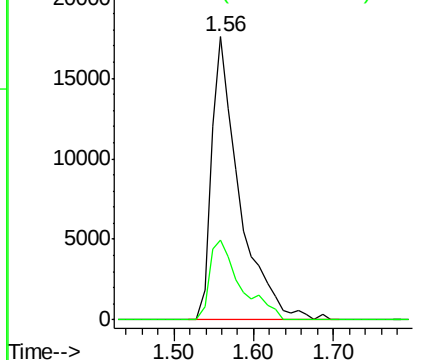
62 100

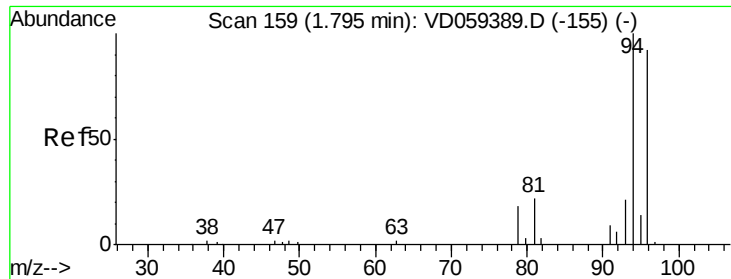
64 28.2 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

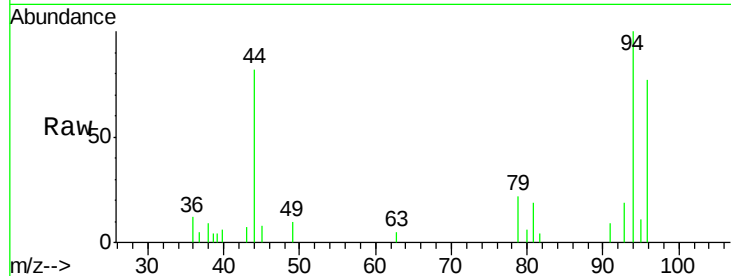




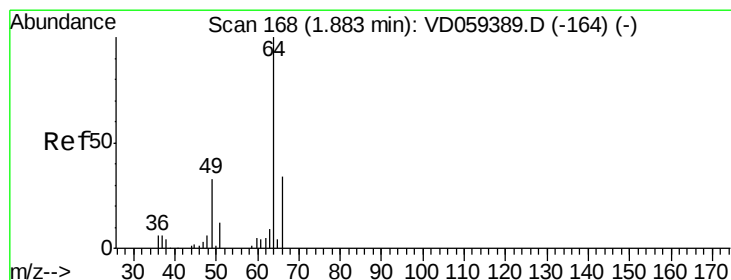
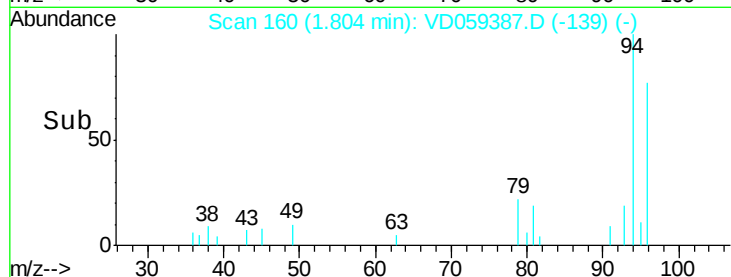
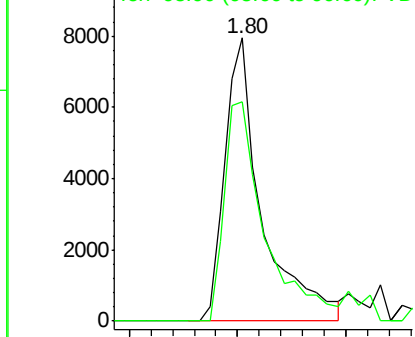
#5
Bromomethane
Concen: 11.28 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 94 Resp: 18946
Ion Ratio Lower Upper
94 100
96 77.4 73.4 110.0

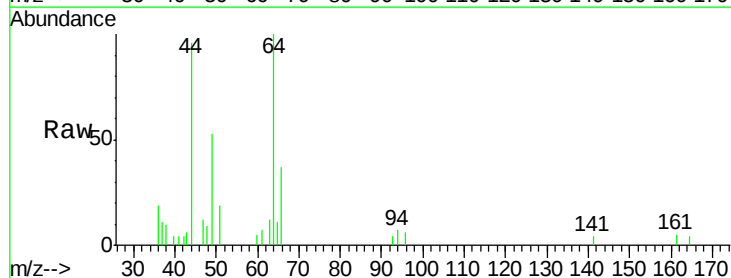


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

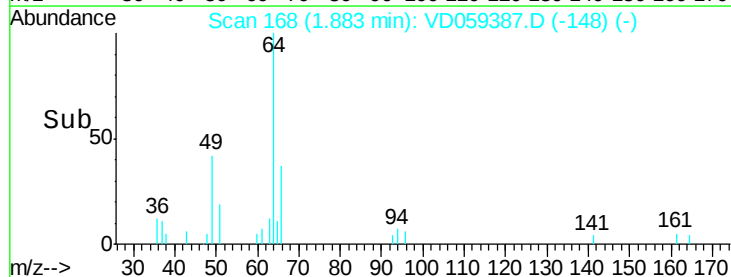
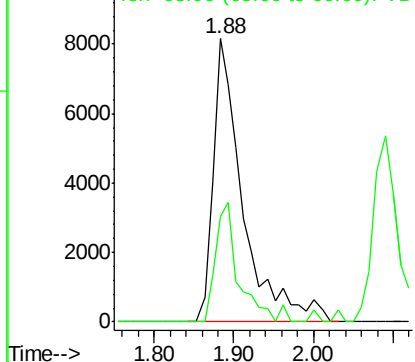


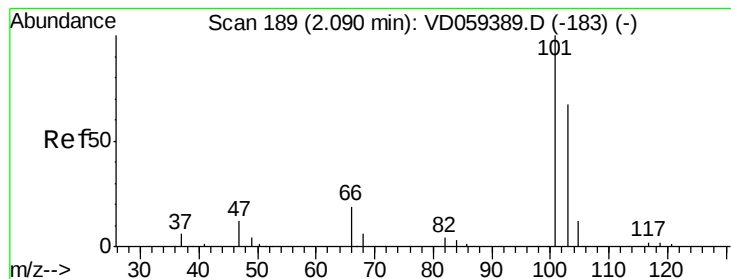
#6
Chloroethane
Concen: 12.42 ug/l
RT: 1.88 min Scan# 168
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 64 Resp: 21157
Ion Ratio Lower Upper
64 100
66 37.5 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: 10.03 ug/l

RT: 2.09 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

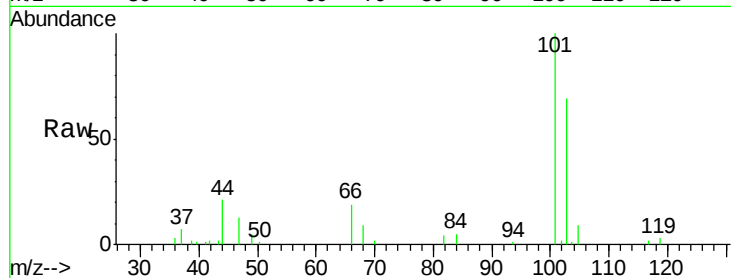
VSTDIC010

Tot Ion:101 Resp: 63728

Ion Ratio Lower Upper

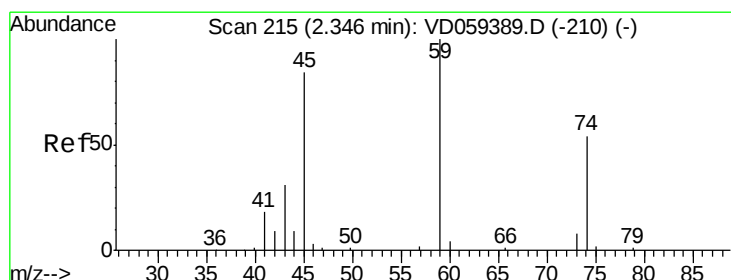
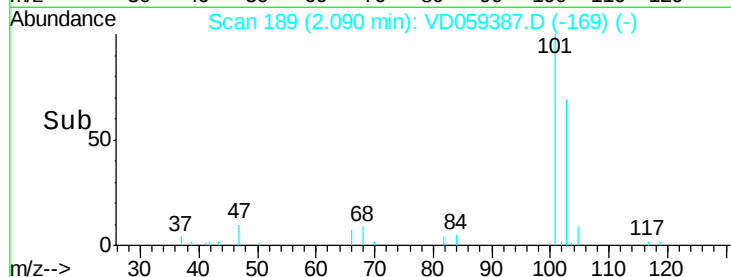
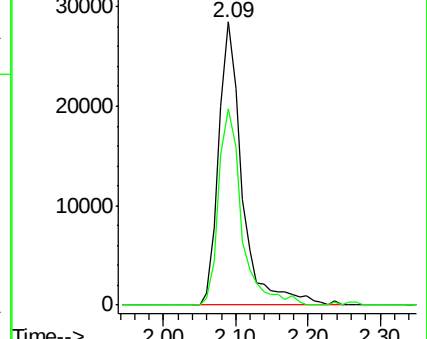
101 100

103 69.5 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: 11.14 ug/l

RT: 2.35 min Scan# 215

Delta R.T. -0.00 min

Lab File: VD059387.D

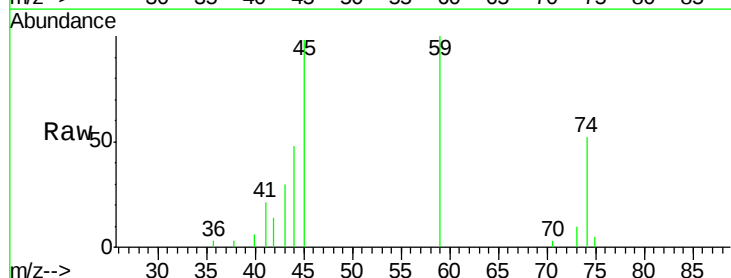
Acq: 25 Jun 2018 00:22

Tgt Ion: 74 Resp: 14848

Ion Ratio Lower Upper

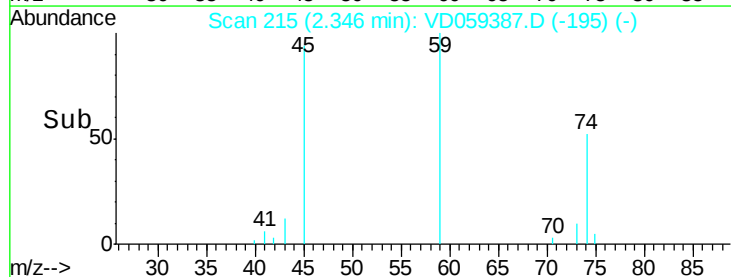
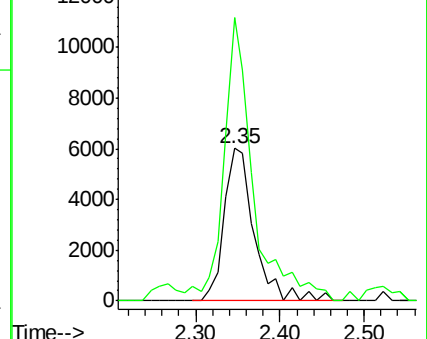
74 100

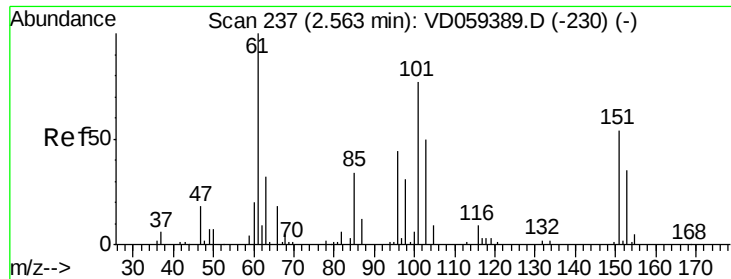
45 185.8 78.0 233.8



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: 9.82 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD059387.D

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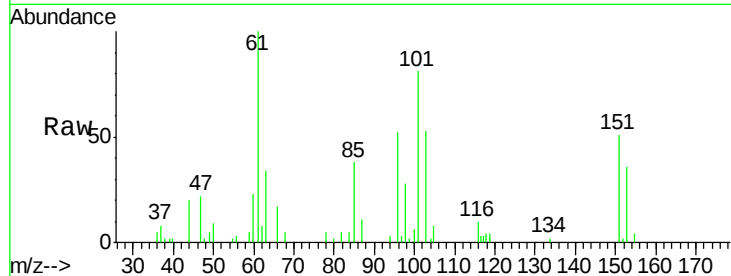
Tot Ion:101 Resp: 39164

Ion Ratio Lower Upper

101 100

85 47.4 35.7 53.5

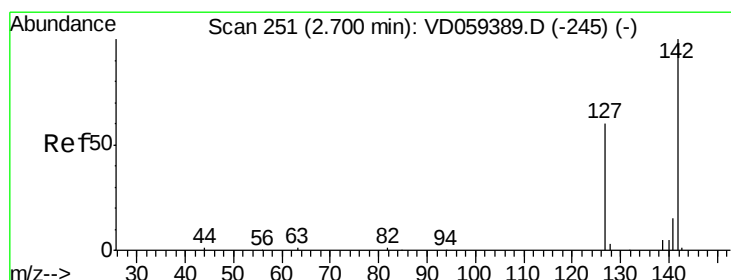
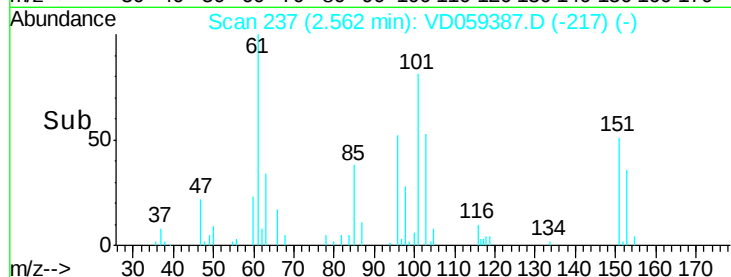
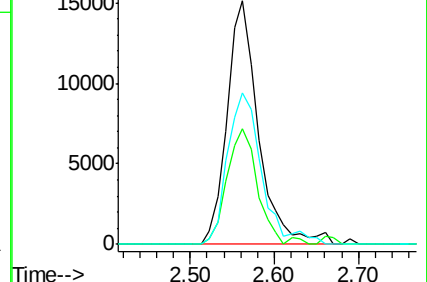
151 62.5 55.8 83.8



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: 8.70 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

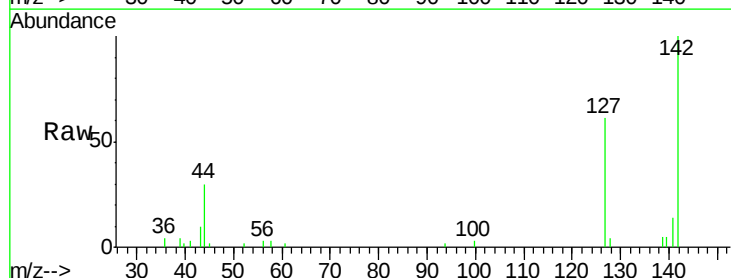
Tgt Ion:142 Resp: 39770

Ion Ratio Lower Upper

142 100

127 60.7 48.4 72.6

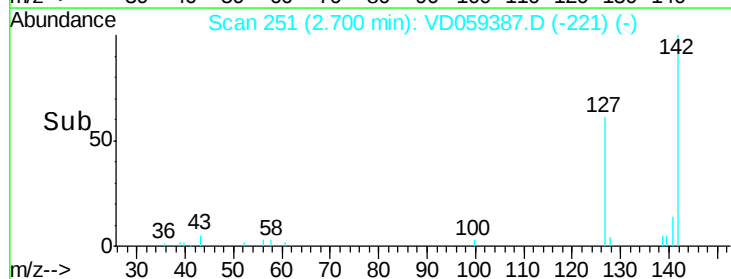
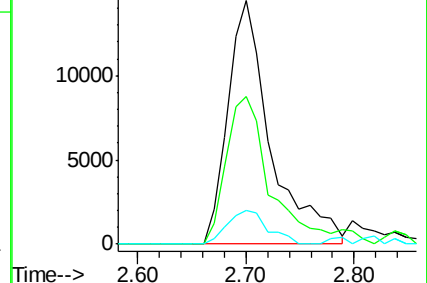
141 13.9 12.1 18.1

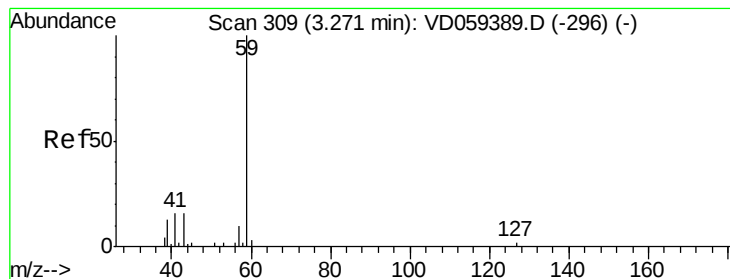


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 50.61 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

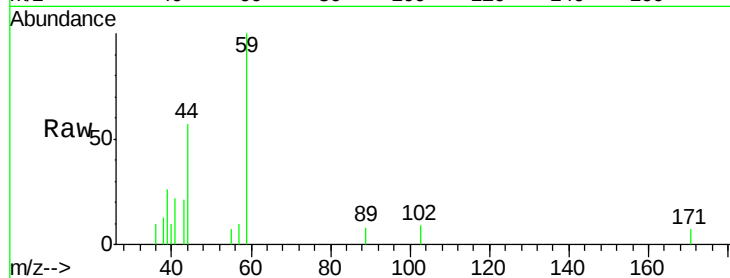
VSTDIC010

Tot Ion: 59 Resp: 15135

Ion Ratio Lower Upper

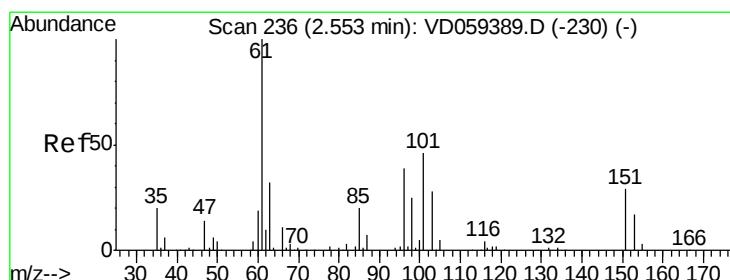
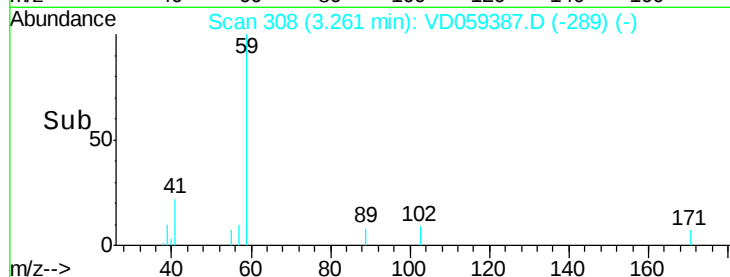
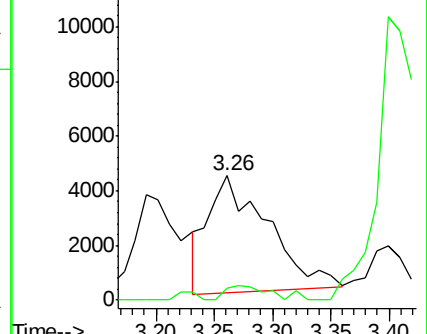
59 100

57 9.5 8.3 12.5



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 9.71 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

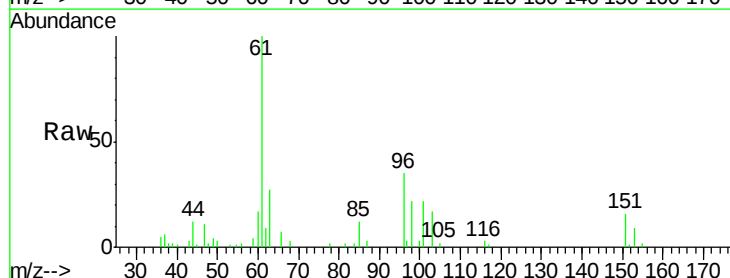
Tgt Ion: 96 Resp: 28966

Ion Ratio Lower Upper

96 100

61 282.2 205.4 308.0

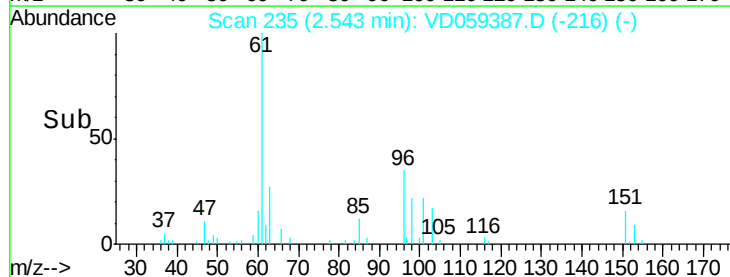
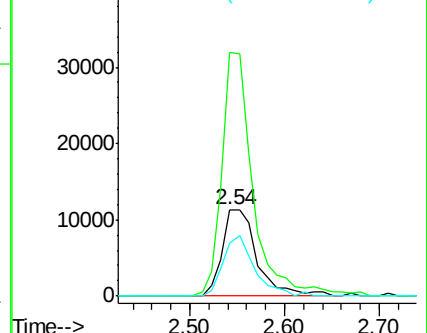
98 62.0 51.0 76.4

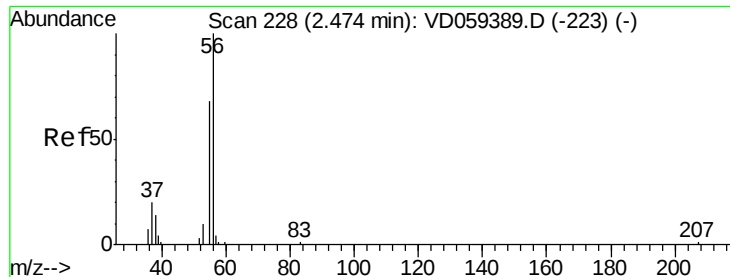


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 98.63 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

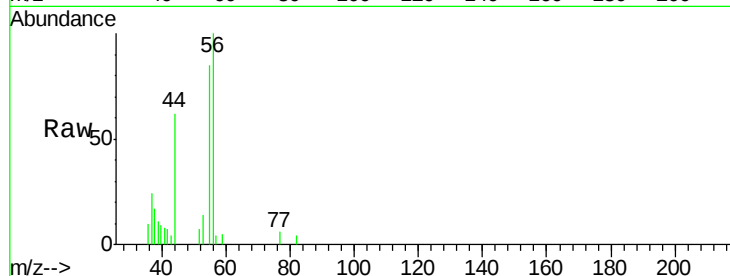
VSTDIC010

Tot Ion: 56 Resp: 18866

Ion Ratio Lower Upper

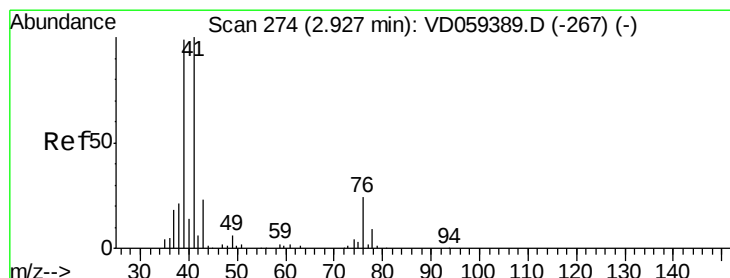
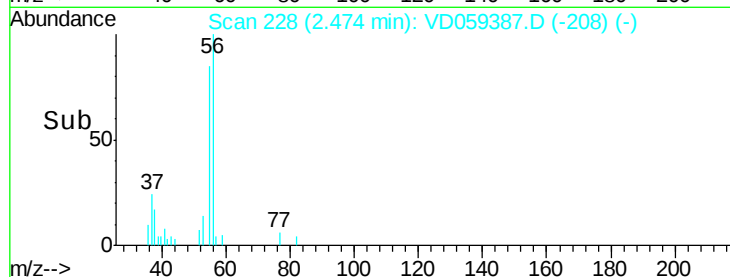
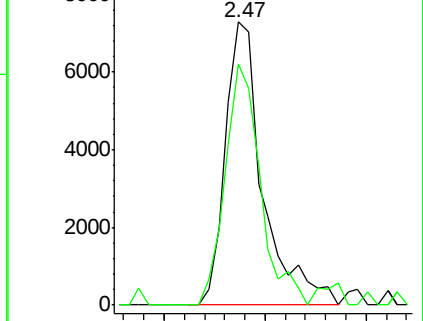
56 100

55 85.2 54.6 82.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.40 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

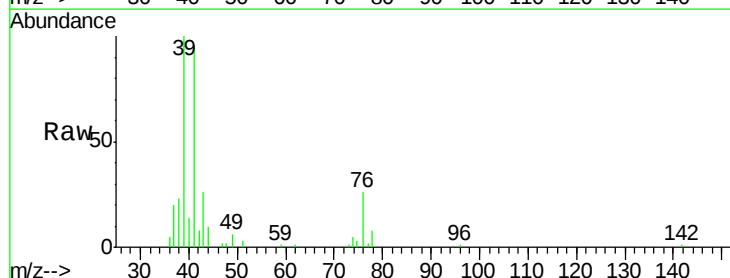
Tgt Ion: 41 Resp: 64801

Ion Ratio Lower Upper

41 100

39 104.4 79.1 118.7

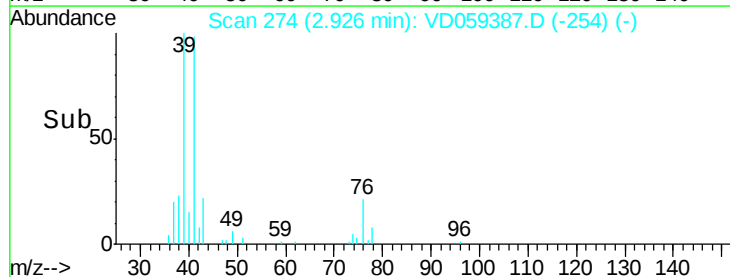
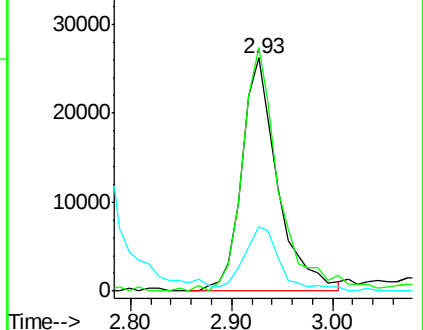
76 27.4 21.9 32.9

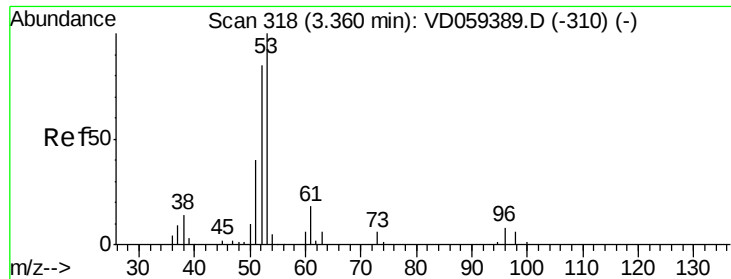


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 64.14 ug/l

RT: 3.36 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

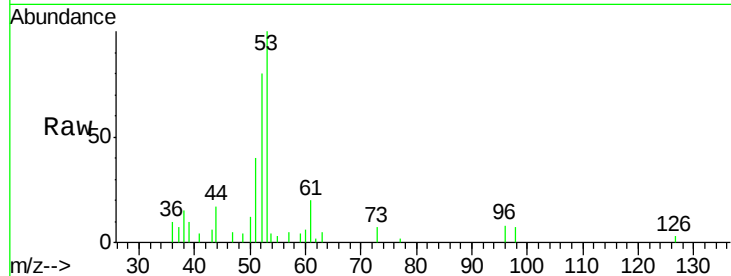
Tot Ion: 53 Resp: 51217

Ion Ratio Lower Upper

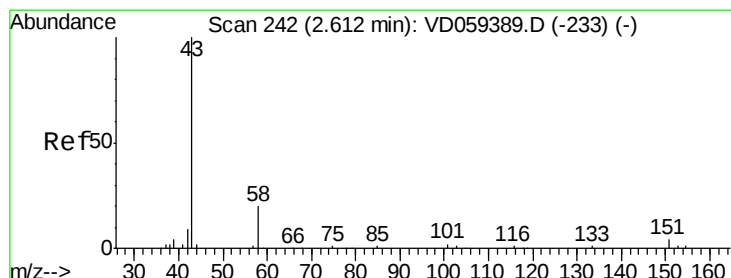
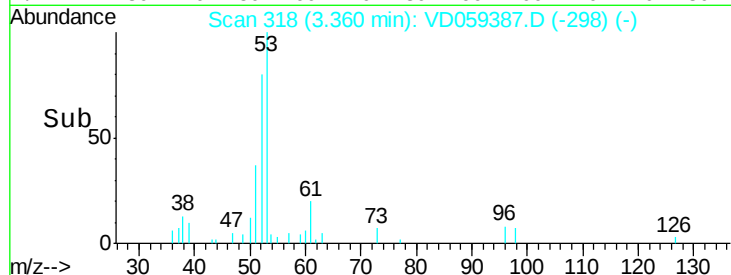
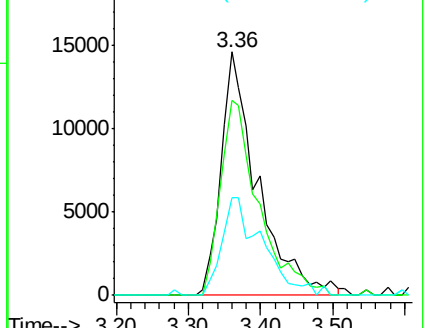
53 100

52 79.8 67.9 101.9

51 39.9 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: 57.07 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059387.D

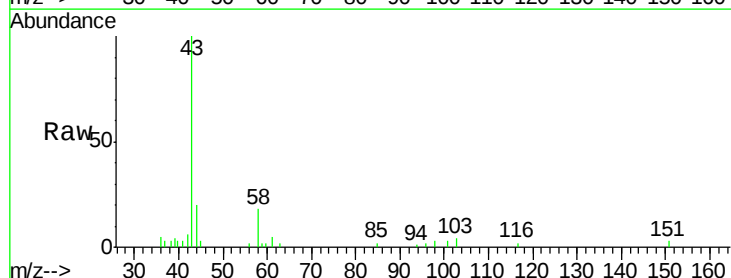
Acq: 25 Jun 2018 00:22

Tgt Ion: 43 Resp: 67291

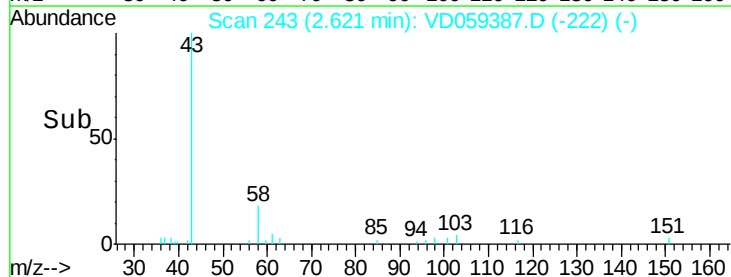
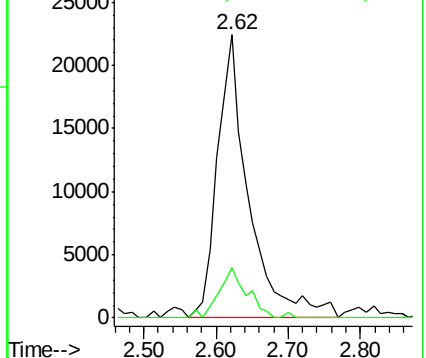
Ion Ratio Lower Upper

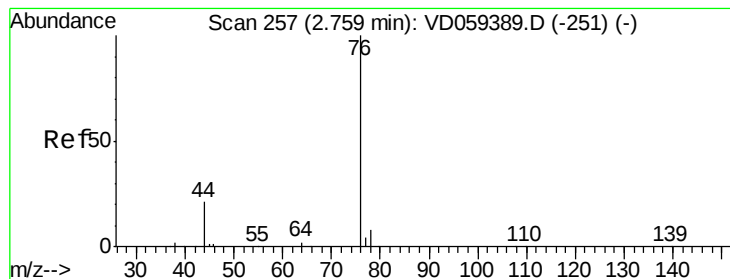
43 100

58 17.9 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: 8.88 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

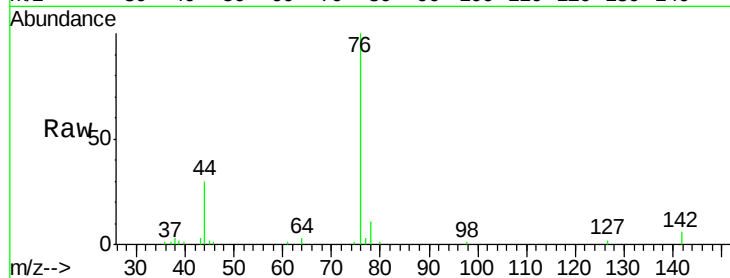
VSTDIC010

Tot Ion: 76 Resp: 89270

Ion Ratio Lower Upper

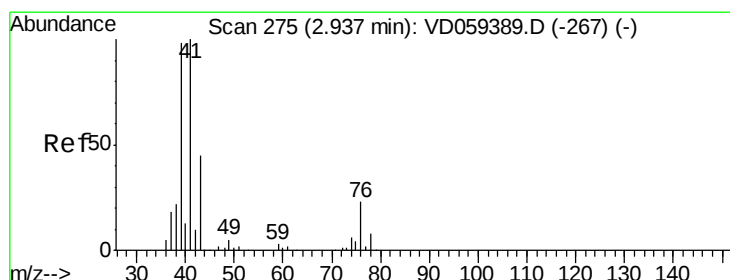
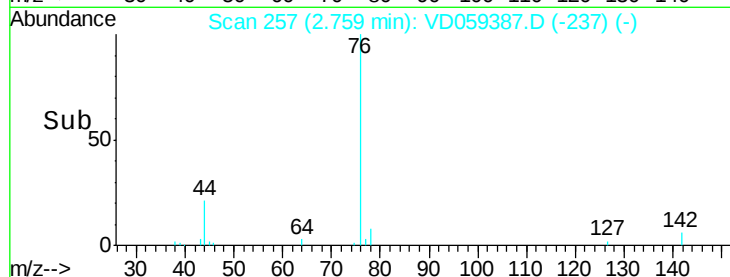
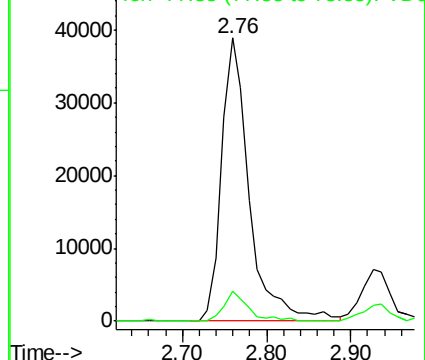
76 100

78 10.6 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: 11.54 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD059387.D

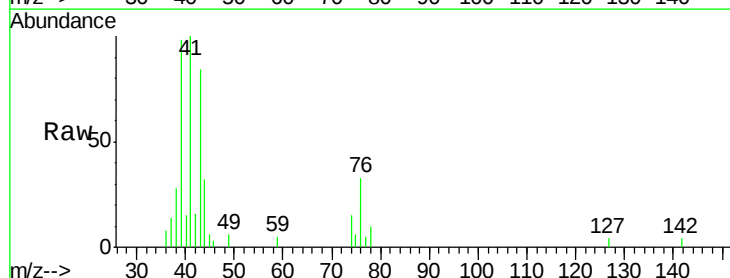
Acq: 25 Jun 2018 00:22

Tgt Ion: 43 Resp: 29898

Ion Ratio Lower Upper

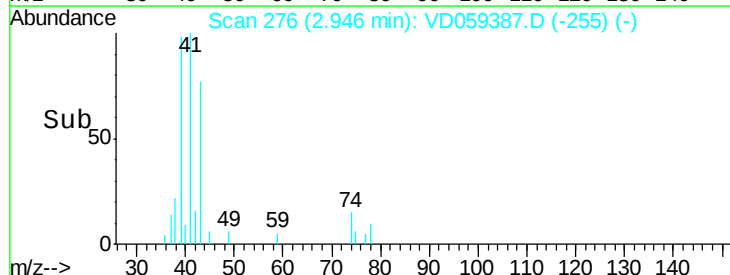
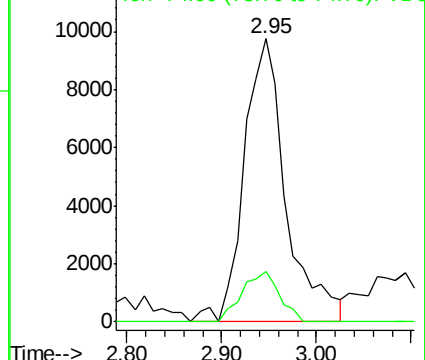
43 100

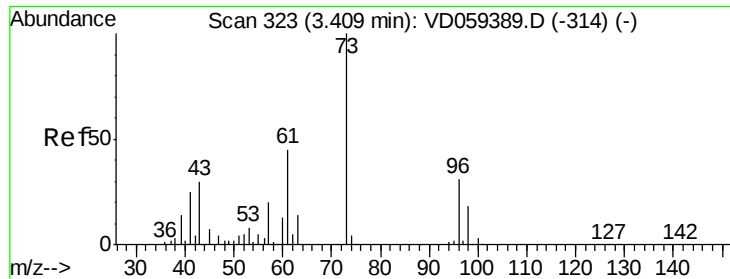
74 17.7 11.0 16.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

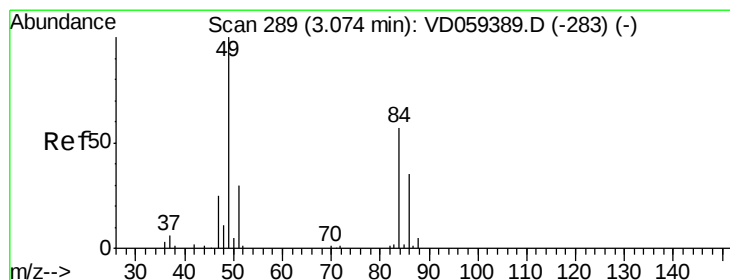
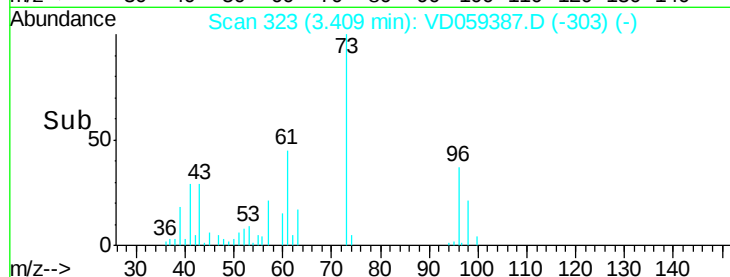
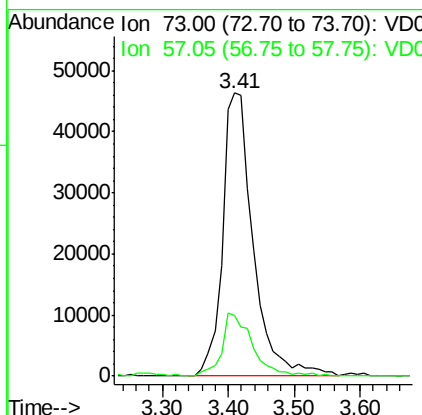
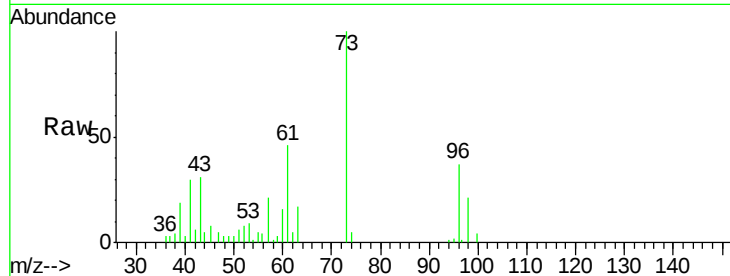




#19
Methvl tert-butvl Ether
Concen: 16.79 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

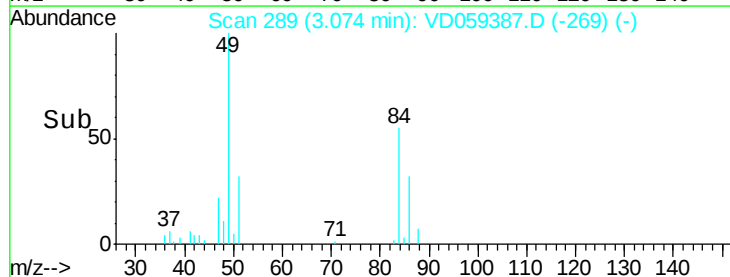
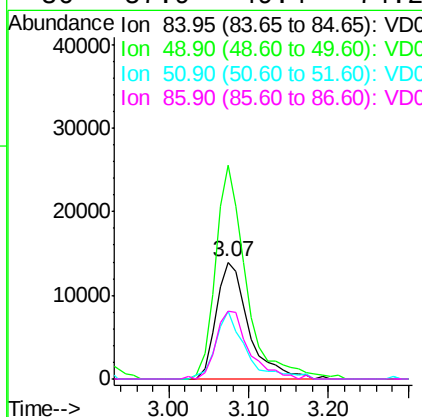
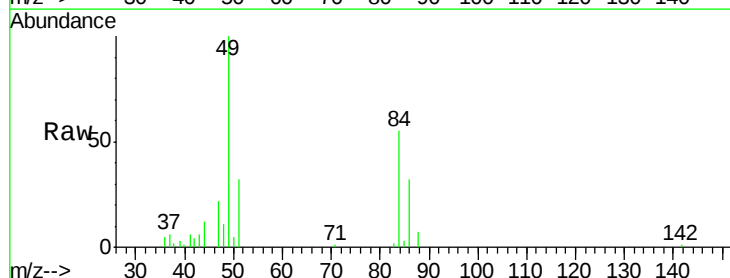
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

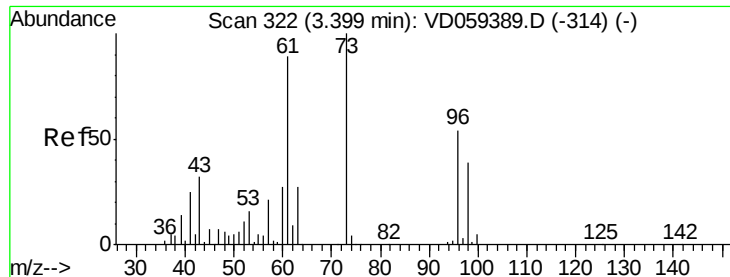
Tot Ion: 73 Resp: 150280
Ion Ratio Lower Upper
73 100
57 21.3 16.1 24.1



#20
Methylene Chloride
Concen: 10.68 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 84 Resp: 39943
Ion Ratio Lower Upper
84 100
49 182.6 140.3 210.5
51 58.0 41.6 62.4
86 57.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 15.28 ug/l

RT: 3.40 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

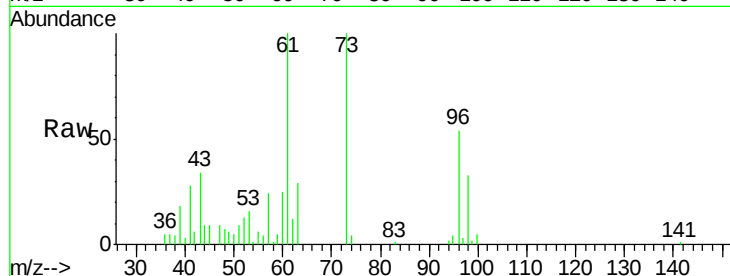
Tot Ion: 96 Resp: 55329

Ion Ratio Lower Upper

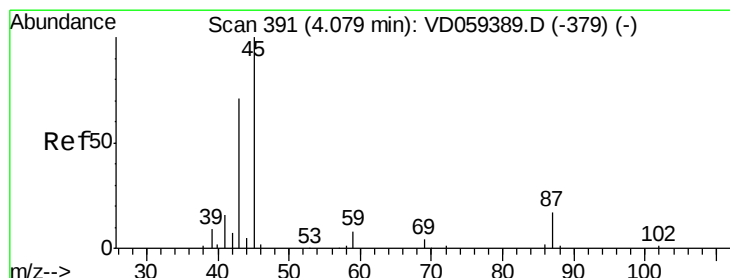
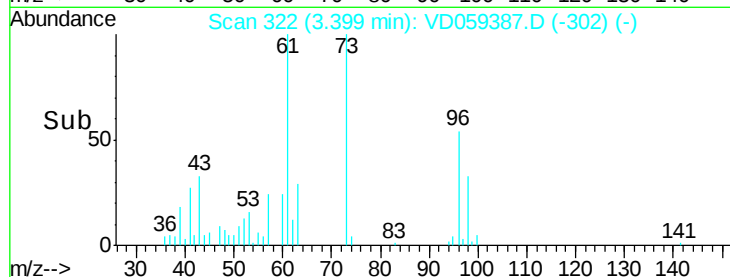
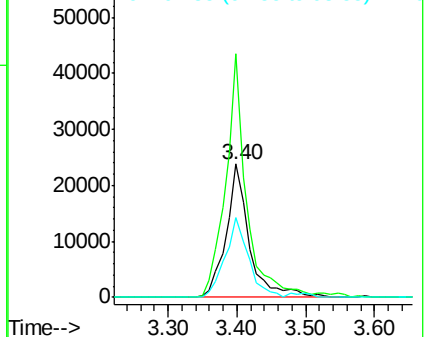
96 100

61 182.7 131.0 196.4

98 60.1 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: 10.21 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Tgt Ion: 45 Resp: 278895

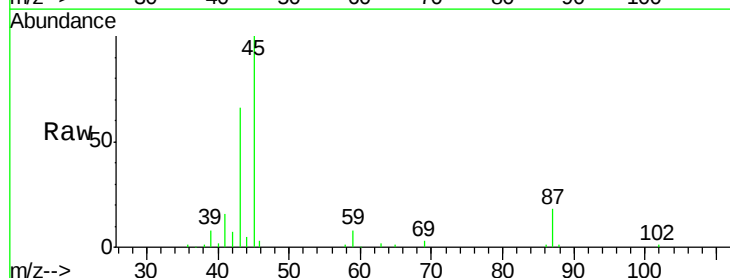
Ion Ratio Lower Upper

45 100

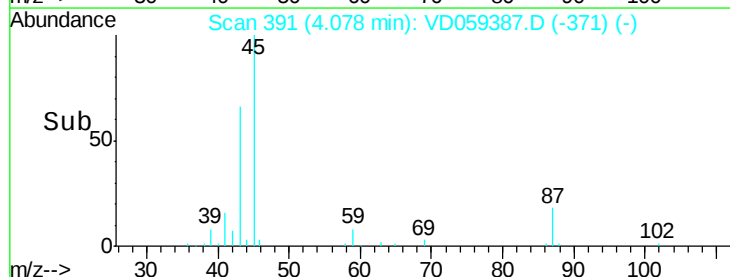
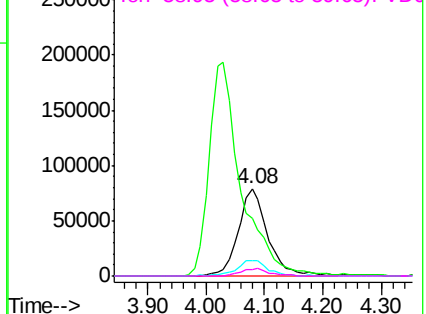
43 65.6 56.9 85.3

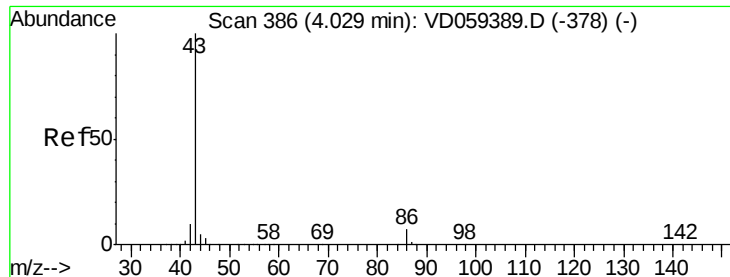
87 18.1 14.2 21.4

59 8.0 7.0 10.4



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





#23

Vinyl Acetate

Concen: 50.56 ug/l

RT: 4.03 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

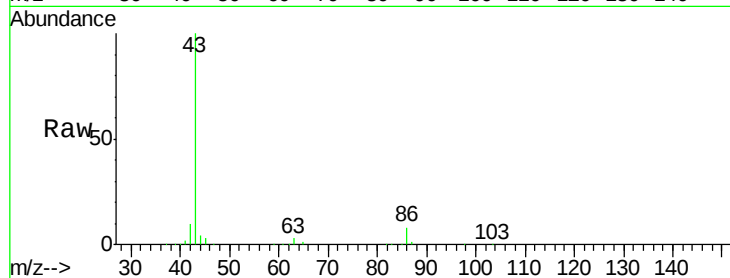
VSTDIC010

Tot Ion: 43 Resp: 732848

Ion Ratio Lower Upper

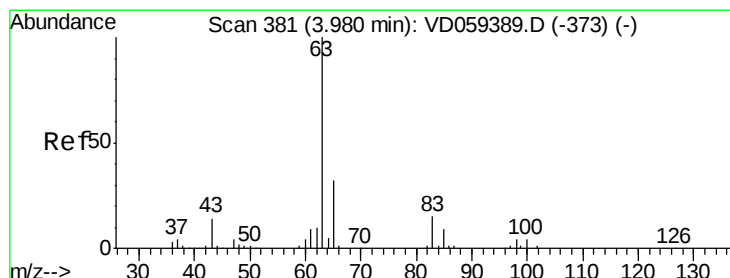
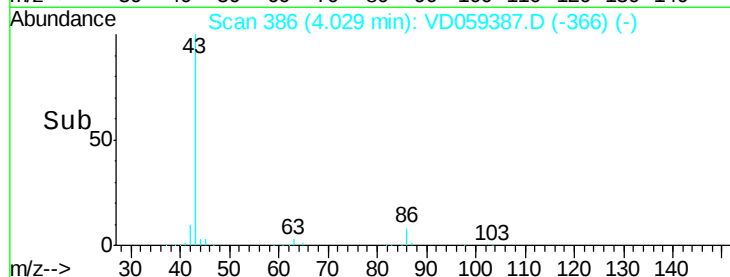
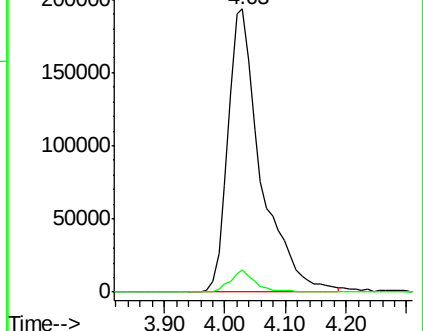
43 100

86 7.8 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: 10.61 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

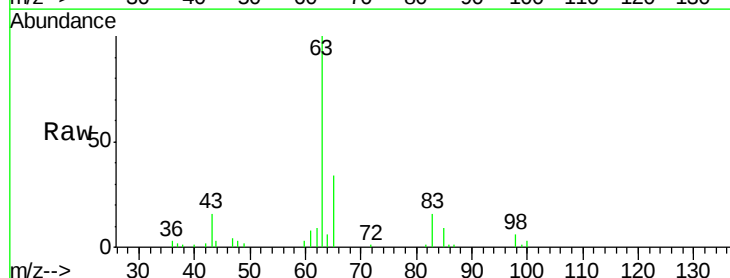
Tgt Ion: 63 Resp: 157053

Ion Ratio Lower Upper

63 100

98 6.3 2.1 6.5

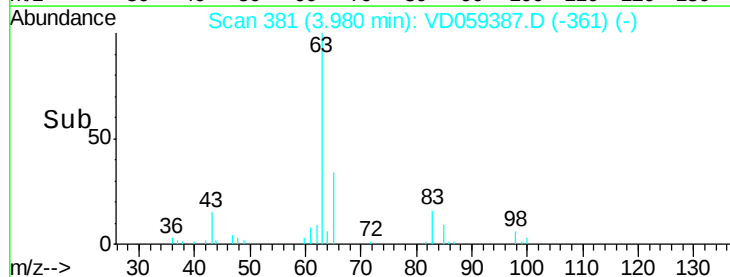
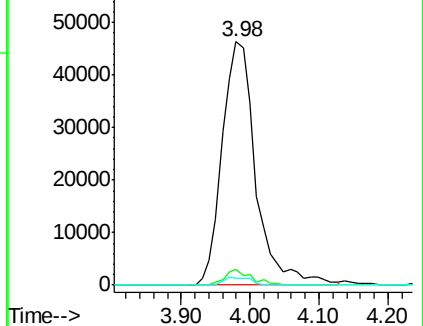
100 3.0 1.8 5.5

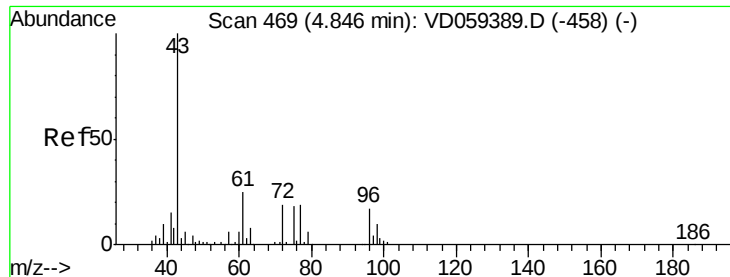


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 50.56 ug/l

RT: 4.85 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

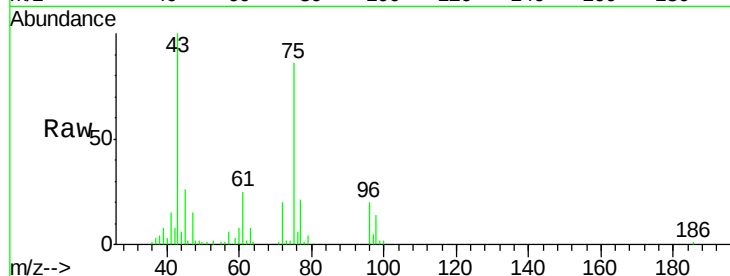
VSTDIC010

Tot Ion: 43 Resp: 129522

Ion Ratio Lower Upper

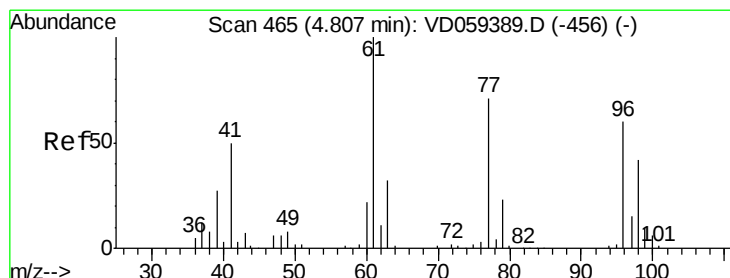
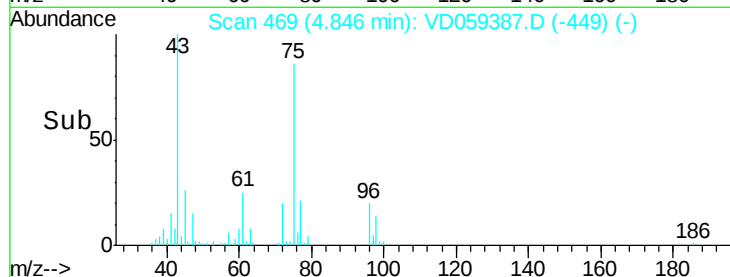
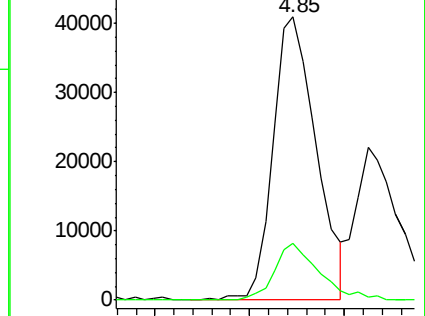
43 100

72 19.9 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: 9.65 ug/l

RT: 4.81 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059387.D

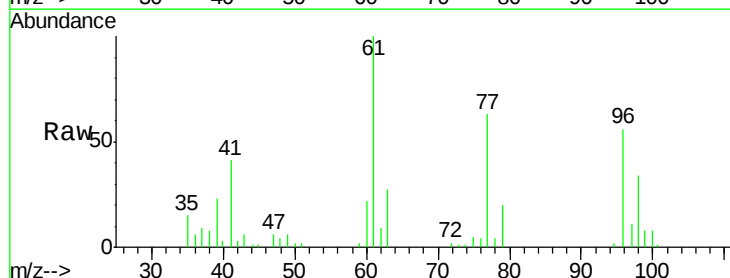
Acq: 25 Jun 2018 00:22

Tgt Ion: 77 Resp: 118885

Ion Ratio Lower Upper

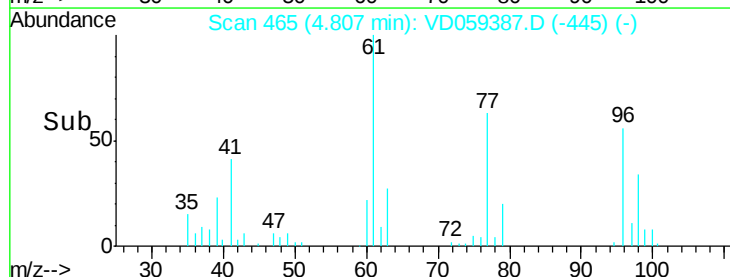
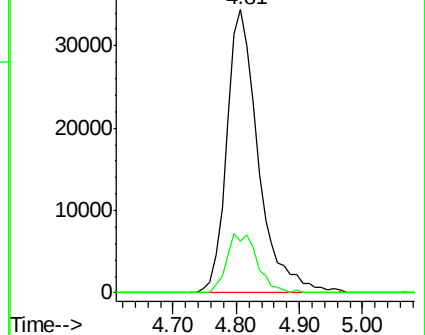
77 100

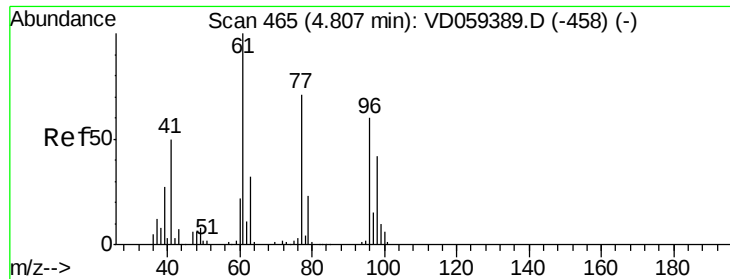
97 18.1 10.7 32.1



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: 11.70 ug/l

RT: 4.82 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

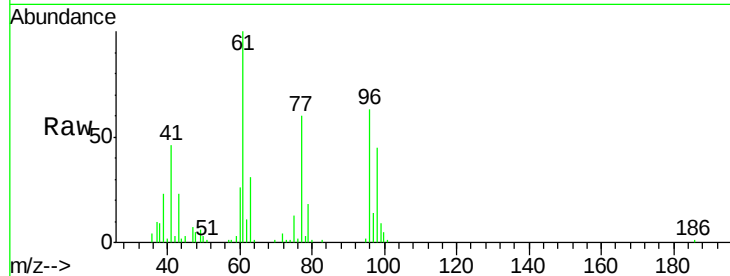
Tot Ion: 96 Resp: 95911

Ion Ratio Lower Upper

96 100

61 158.7 0.0 335.8

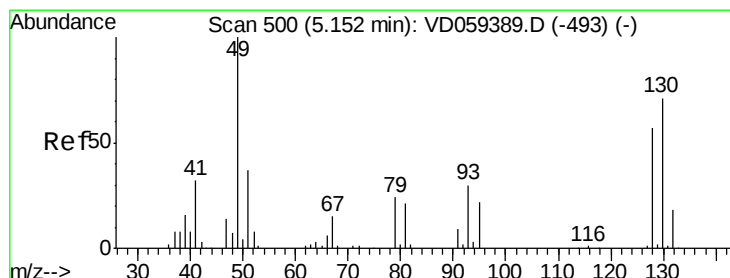
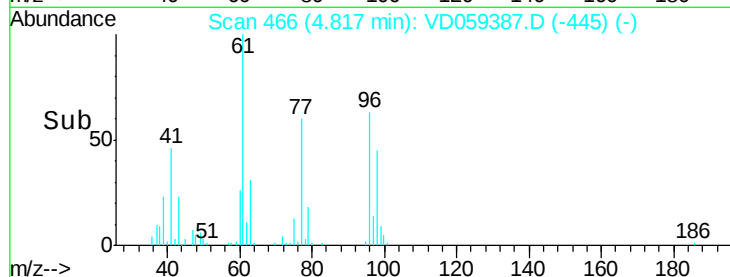
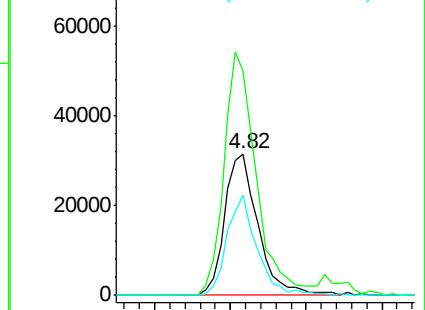
98 70.7 0.0 141.0



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: 10.90 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

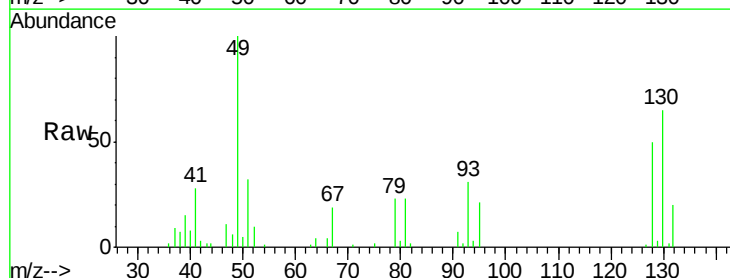
Tgt Ion: 49 Resp: 72132

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.4

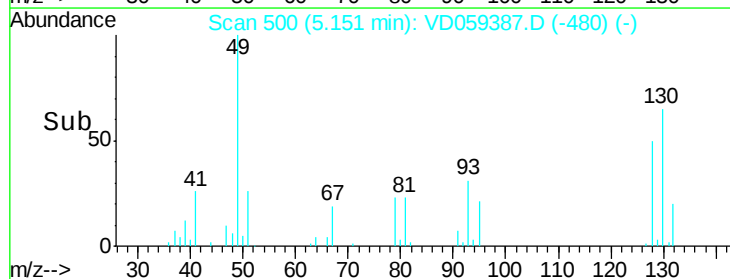
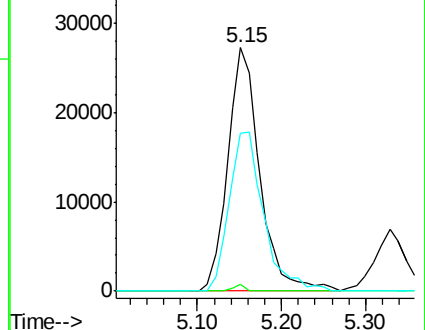
130 64.8 57.0 85.6

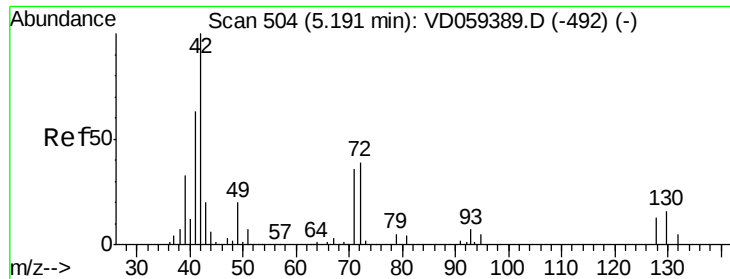


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

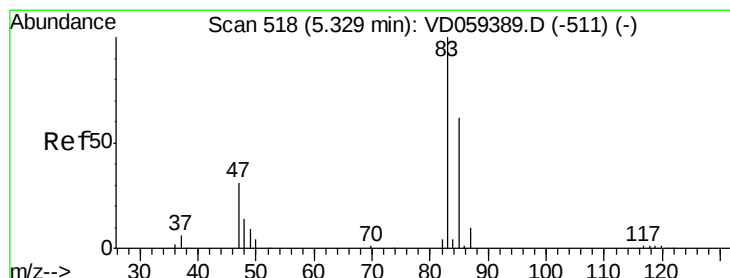
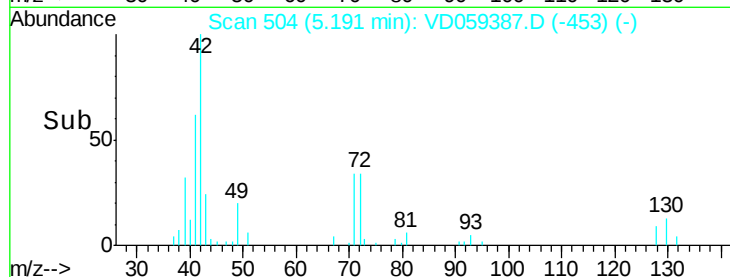
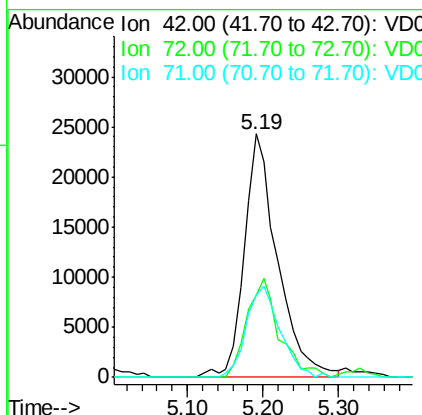
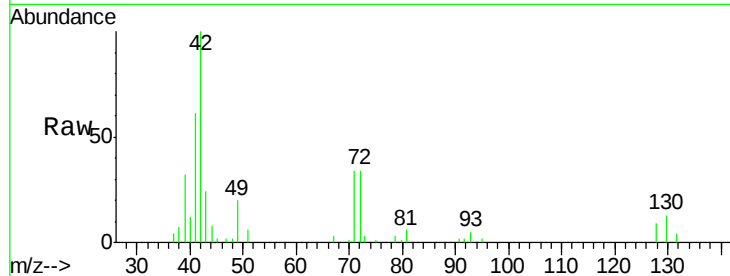




#29
Tetrahydrofuran
Concen: 54.11 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

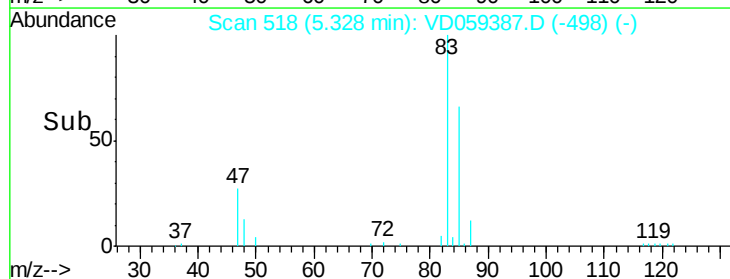
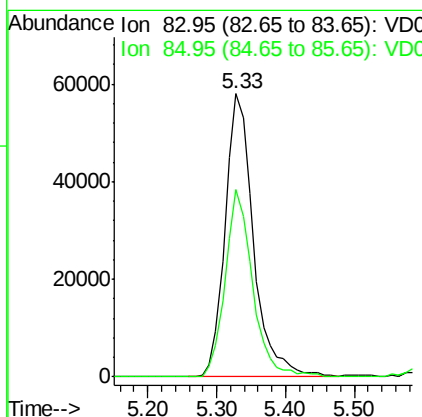
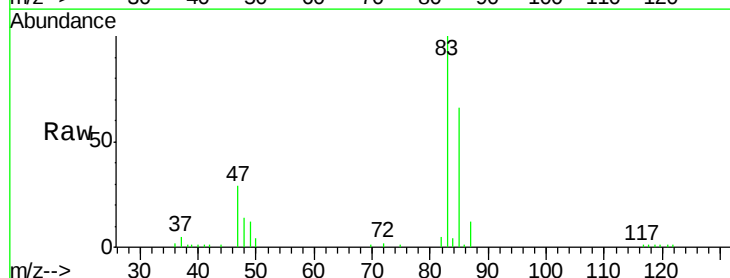
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

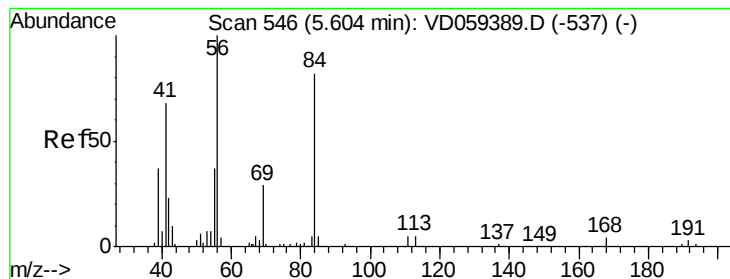
Tot Ion: 42 Resp: 73792
Ion Ratio Lower Upper
42 100
72 40.0 31.4 47.2
71 38.4 29.7 44.5



#30
Chloroform
Concen: 10.53 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 83 Resp: 165616
Ion Ratio Lower Upper
83 100
85 66.1 49.3 73.9





#31

Cyclohexane

Concen: 9.19 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

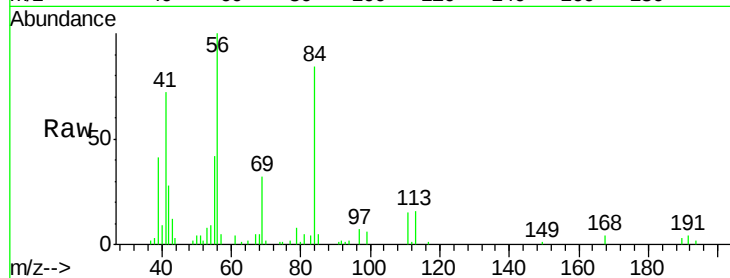
Tot Ion: 56 Resp: 115067

Ion Ratio Lower Upper

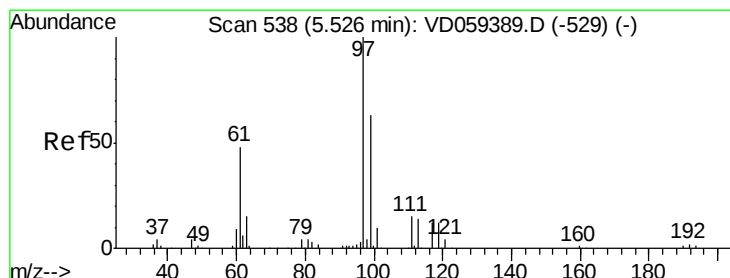
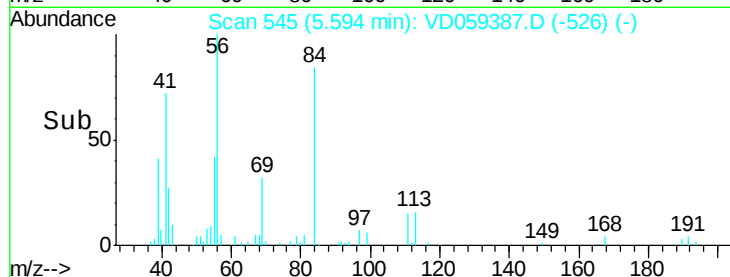
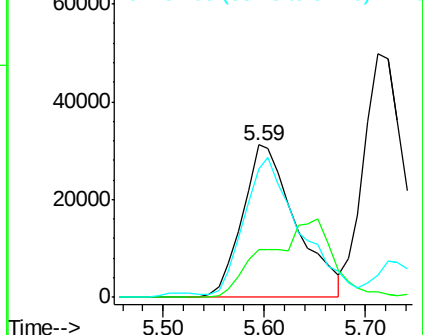
56 100

69 31.6 22.9 34.3

84 83.8 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: 9.66 ug/l

RT: 5.52 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

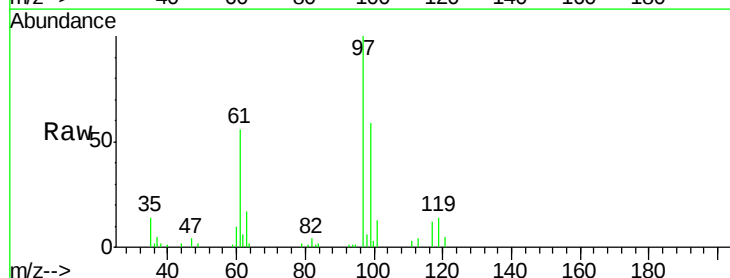
Tgt Ion: 97 Resp: 125661

Ion Ratio Lower Upper

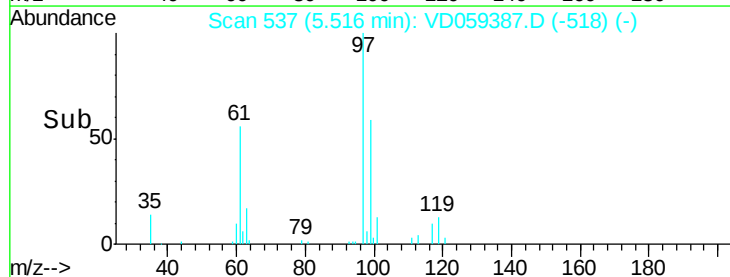
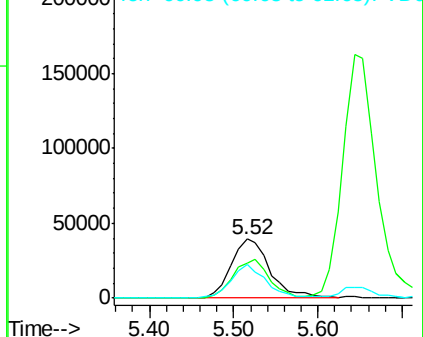
97 100

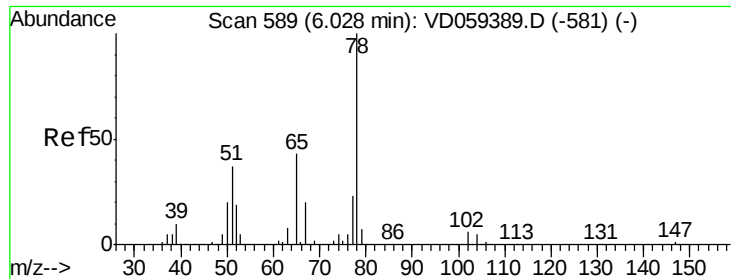
99 59.5 50.2 75.4

61 56.1 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: 9.66 ug/l

RT: 6.03 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

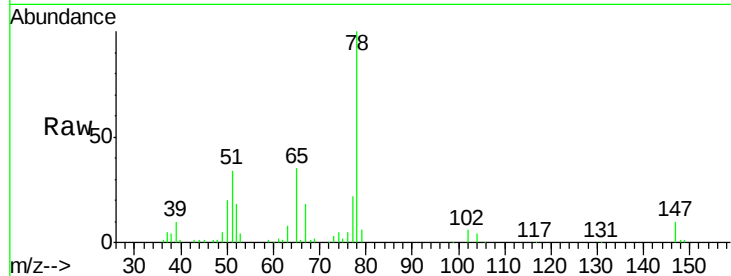
VSTDIC010

Tot Ion: 65 Resp: 90104

Ion Ratio Lower Upper

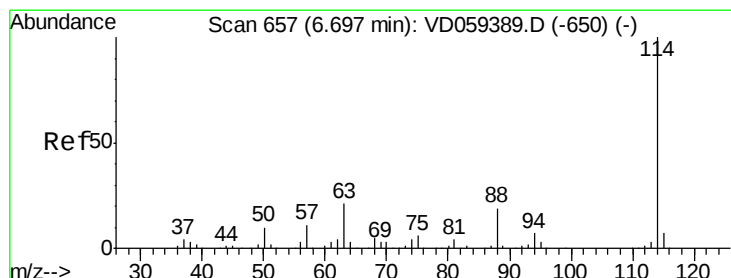
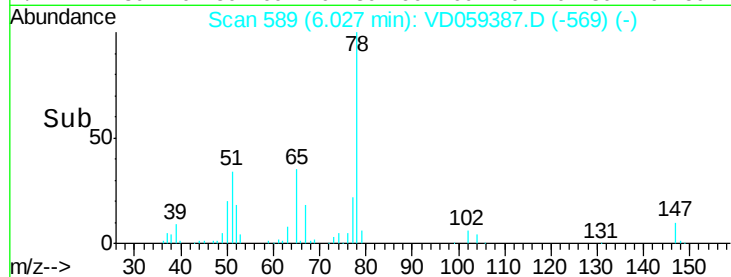
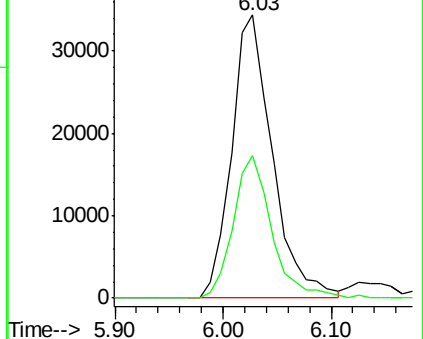
65 100

67 50.4 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: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

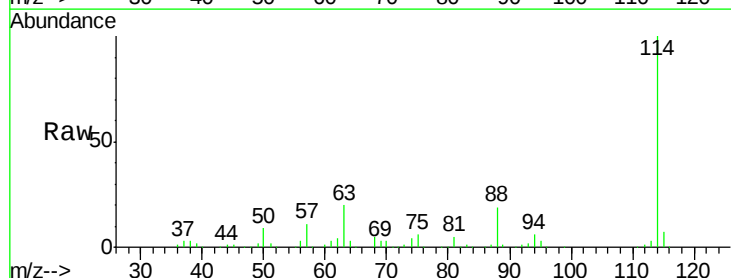
Tgt Ion: 114 Resp: 1145095

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

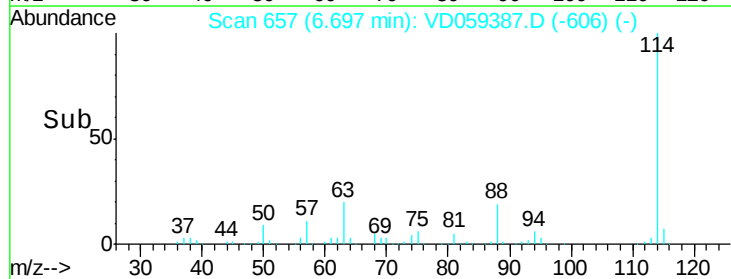
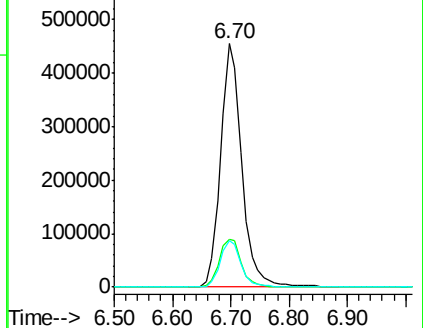
88 19.2 0.0 38.0

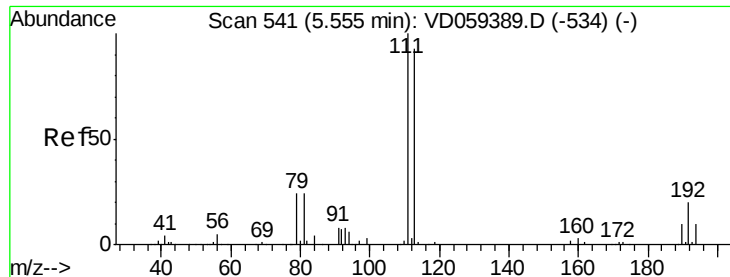


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

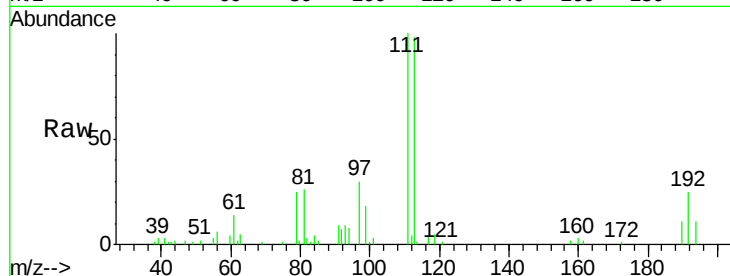




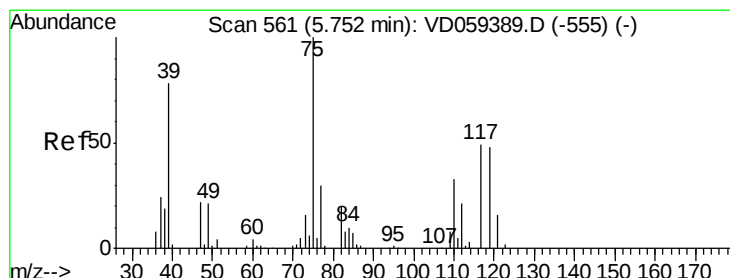
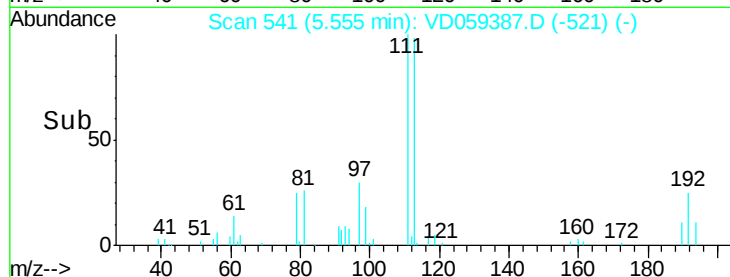
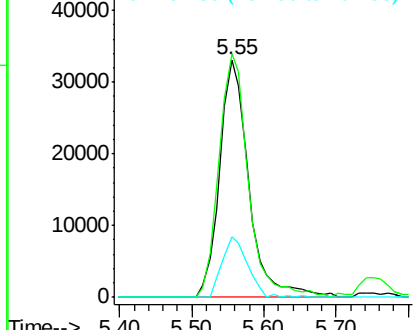
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:113 Resp: 92508
Ion Ratio Lower Upper
113 100
111 102.6 85.7 128.5
192 25.3 16.9 25.3

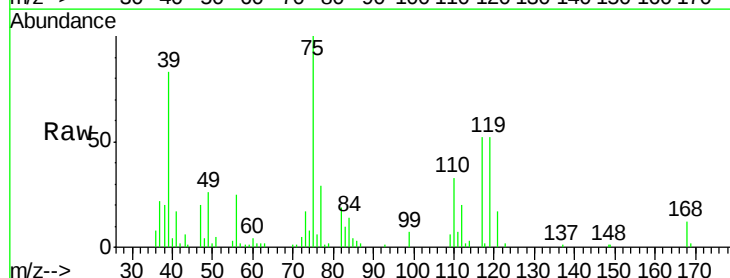


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

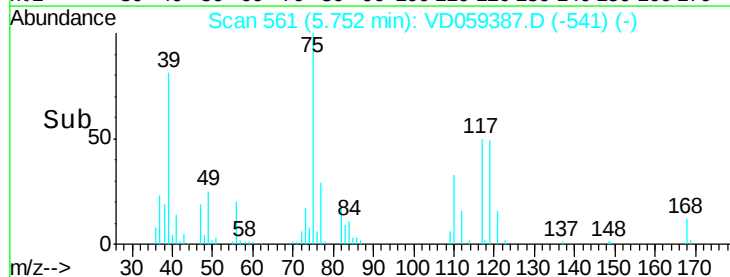
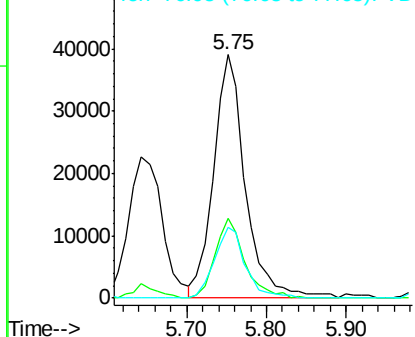


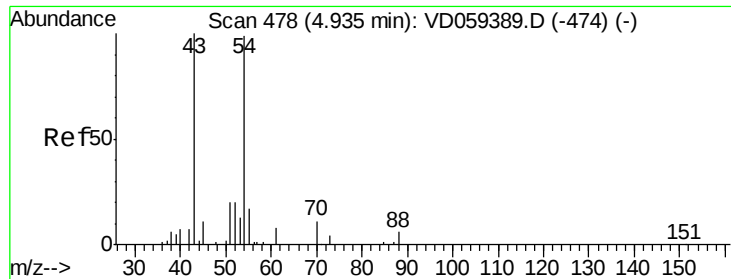
#36
1,1-Dichloropropene
Concen: 9.79 ug/l
RT: 5.75 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 75 Resp: 109095
Ion Ratio Lower Upper
75 100
110 33.0 16.1 48.2
77 29.0 23.4 35.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

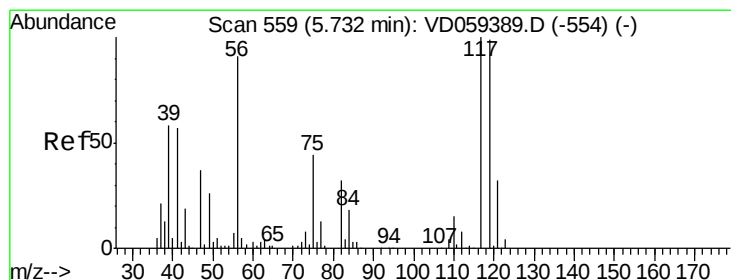
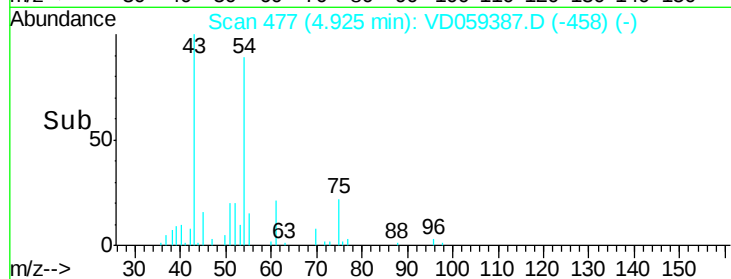
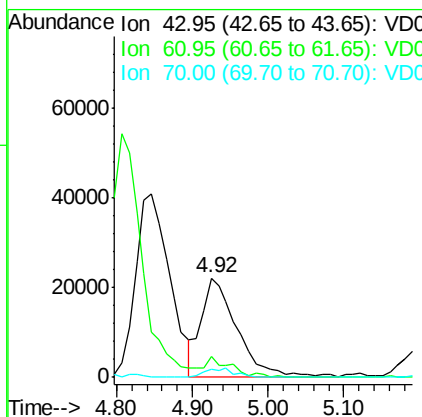
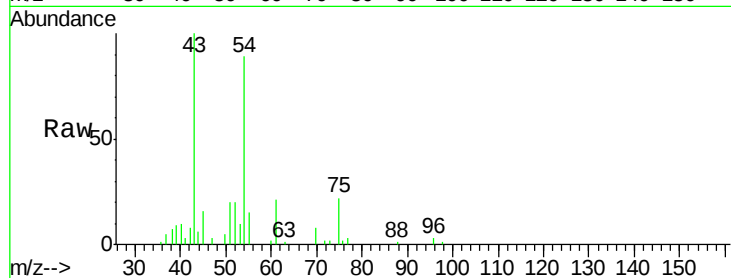




#37
Ethyl Acetate
Concen: 11.62 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

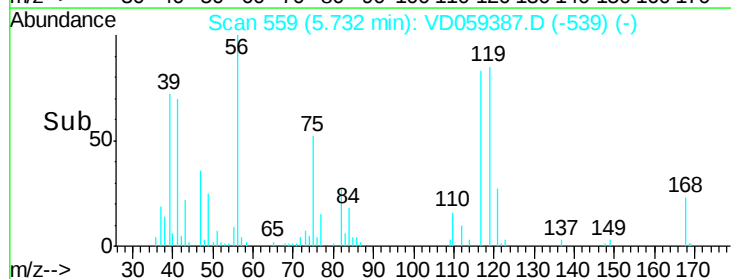
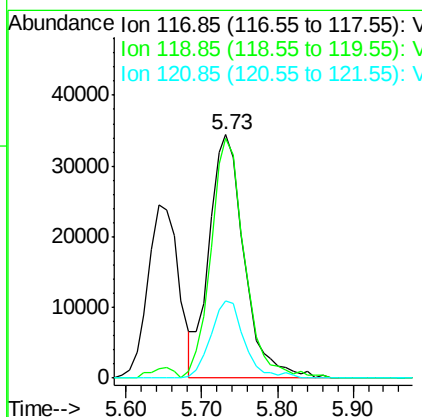
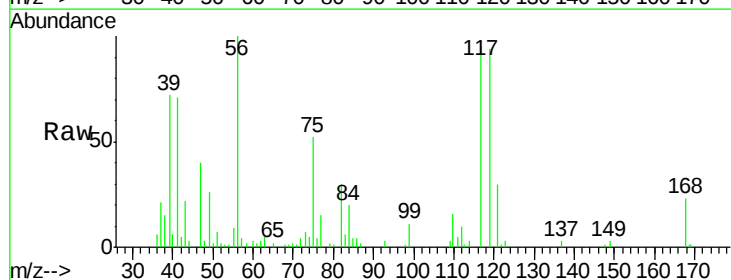
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

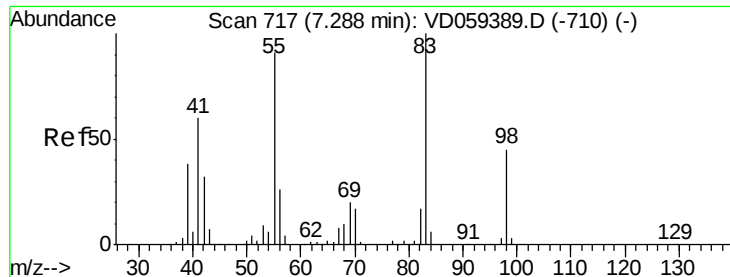
Tot Ion: 43 Resp: 73063
Ion Ratio Lower Upper
43 100
61 20.8 11.8 17.8#
70 7.8 6.1 9.1



#38
Carbon Tetrachloride
Concen: 10.01 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 117 Resp: 111234
Ion Ratio Lower Upper
117 100
119 98.6 76.6 115.0
121 31.9 25.0 37.4

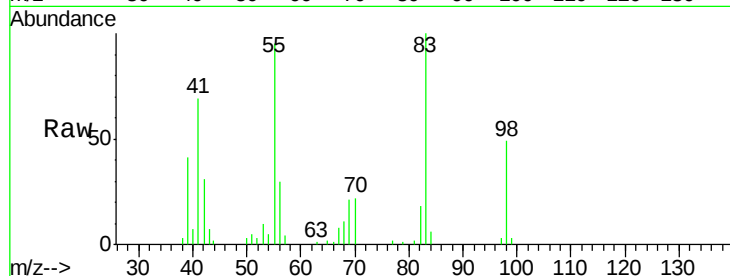




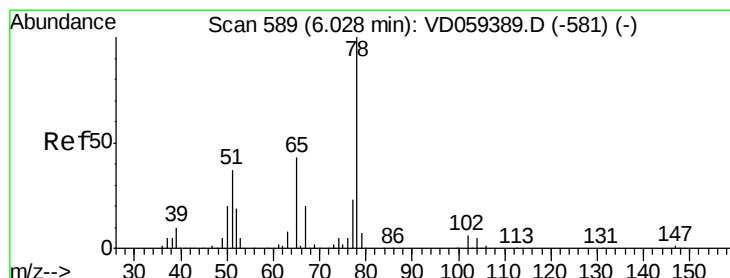
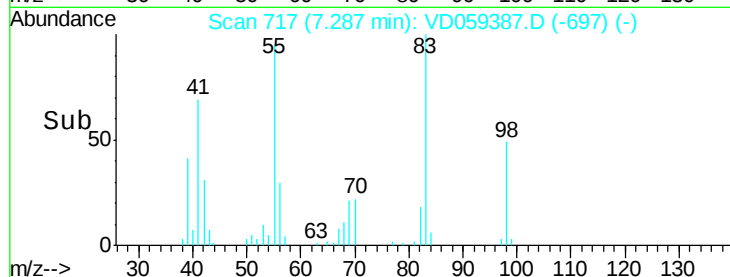
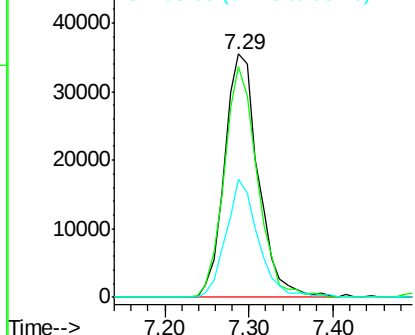
#39
Methvlcvclohexane
Concen: 9.16 ug/l
RT: 7.29 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 98993
Ion Ratio Lower Upper
83 100
55 94.7 72.6 109.0
98 48.7 35.8 53.6

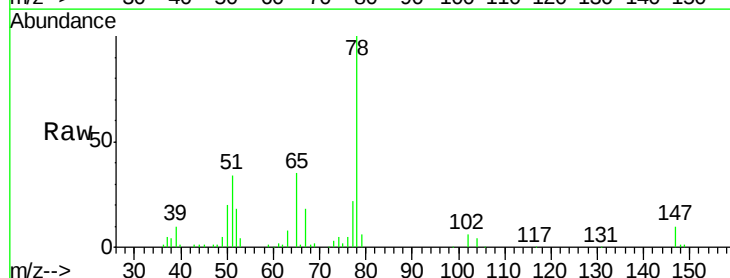


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

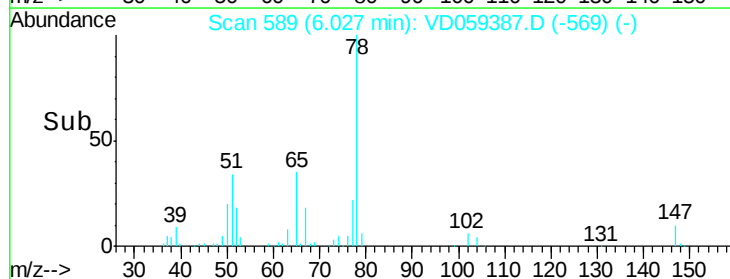
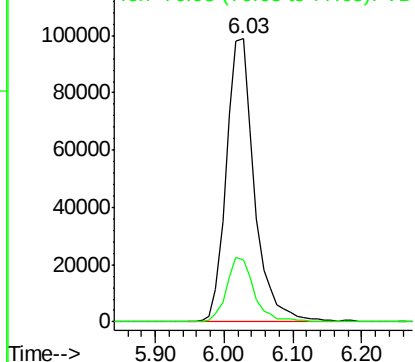


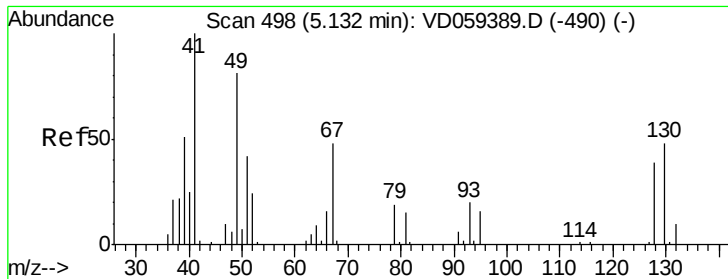
#40
Benzene
Concen: 10.48 ug/l
RT: 6.03 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 78 Resp: 279573
Ion Ratio Lower Upper
78 100
77 21.9 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: 10.14 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 31577

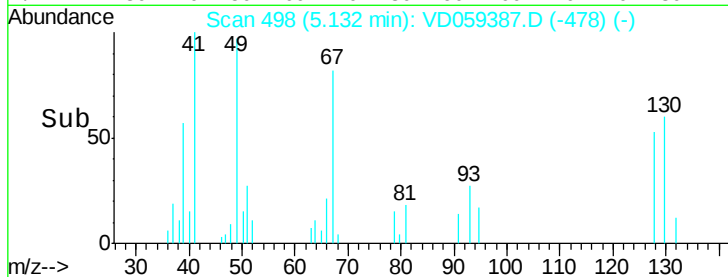
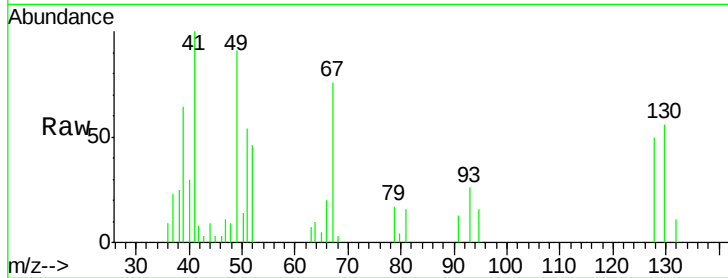
Ion Ratio Lower Upper

41 100

39 64.3 41.5 62.3#

67 76.0 38.7 58.1#

52 45.9 19.4 29.2#

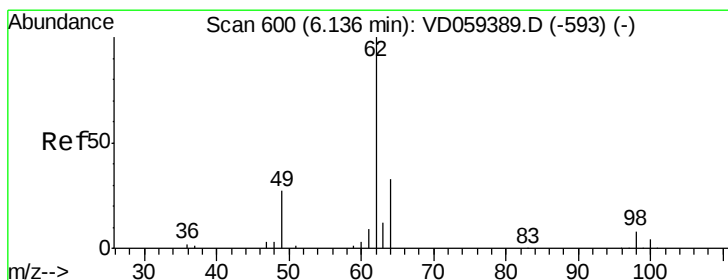
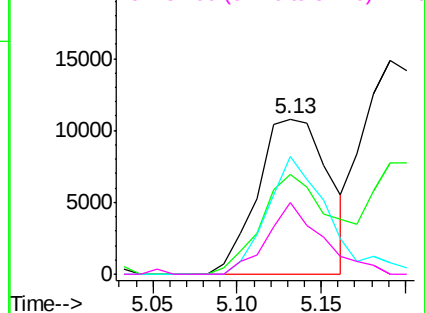


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 11.11 ug/l

RT: 6.14 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD059387.D

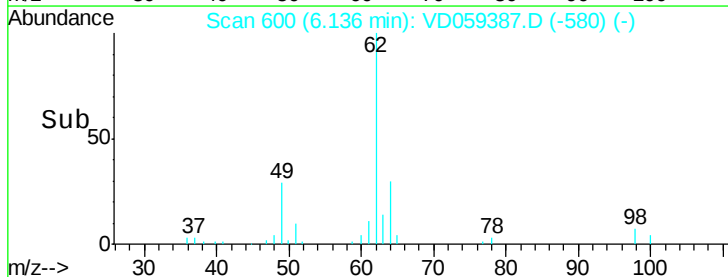
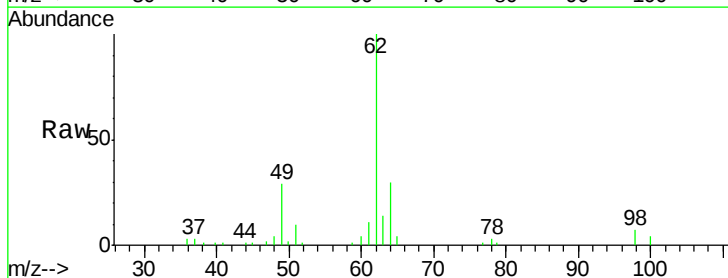
Acq: 25 Jun 2018 00:22

Tgt Ion: 62 Resp: 120260

Ion Ratio Lower Upper

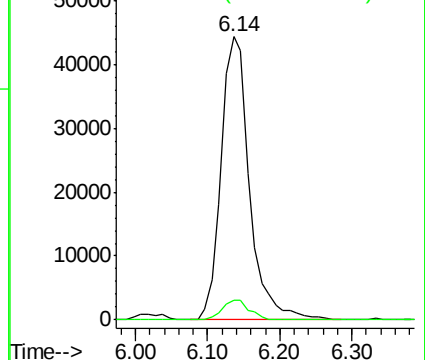
62 100

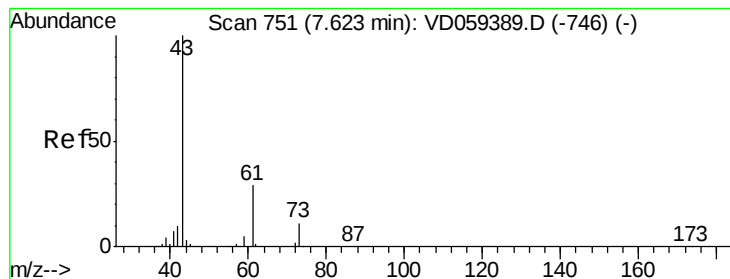
98 7.0 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



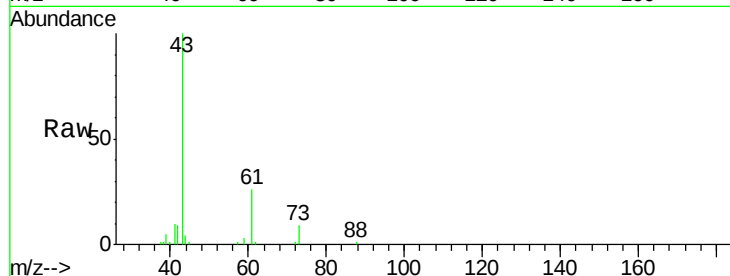


#43

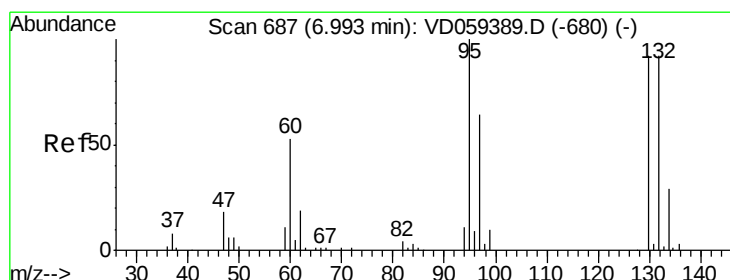
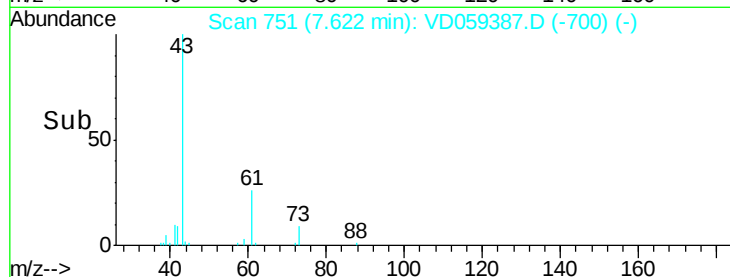
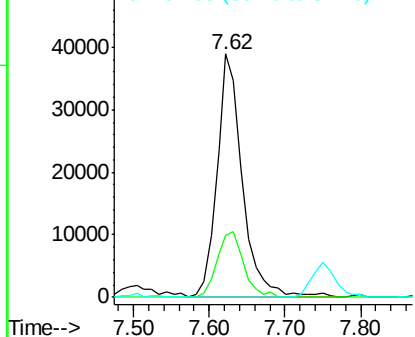
Isopropyl Acetate
 Concen: 10.93 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 43 Resp: 90937
 Ion Ratio Lower Upper
 43 100
 61 25.6 23.1 34.7
 87 0.0 0.2 0.4#



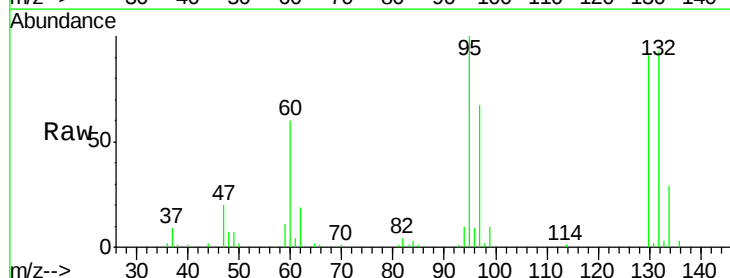
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



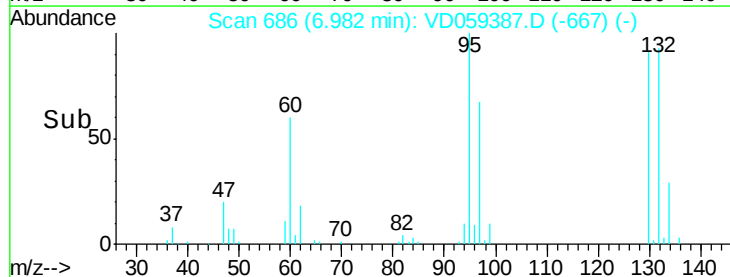
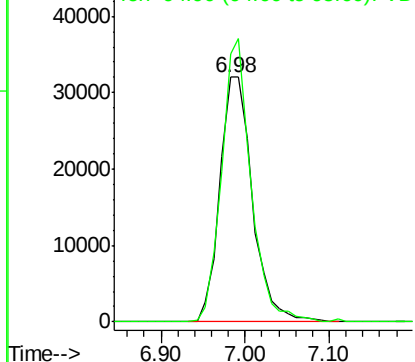
#44

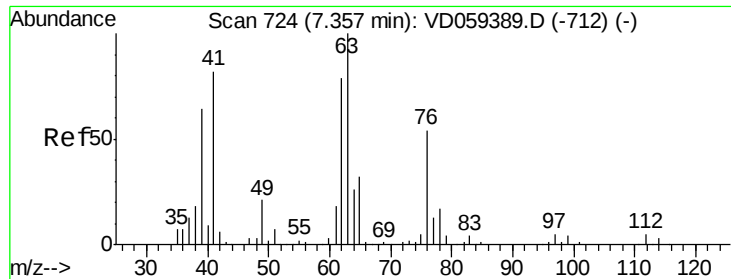
Trichloroethene
 Concen: 10.72 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Tgt Ion: 130 Resp: 86325
 Ion Ratio Lower Upper
 130 100
 95 109.4 0.0 216.4



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





#45

1,2-Dichloropropane

Concen: 10.04 ug/l

RT: 7.36 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

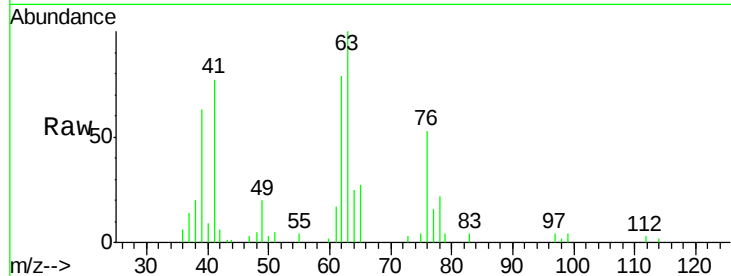
VSTDIC010

Tot Ion: 63 Resp: 71442

Ion Ratio Lower Upper

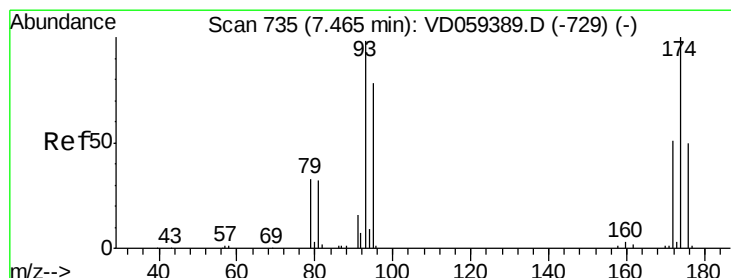
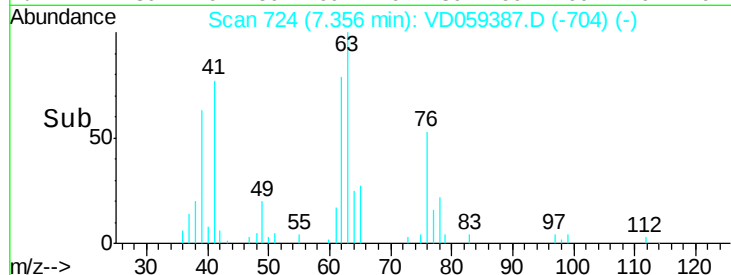
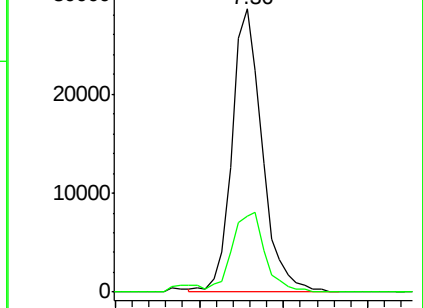
63 100

65 26.8 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 11.13 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

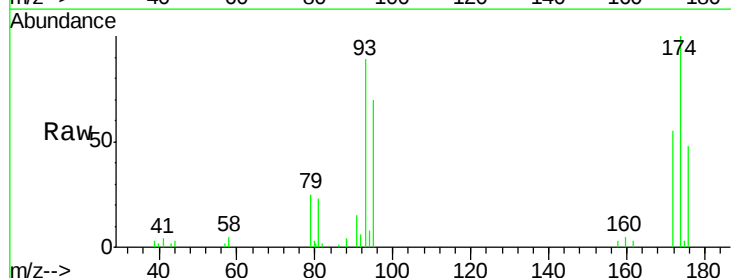
Tgt Ion: 93 Resp: 54542

Ion Ratio Lower Upper

93 100

95 78.8 63.4 95.0

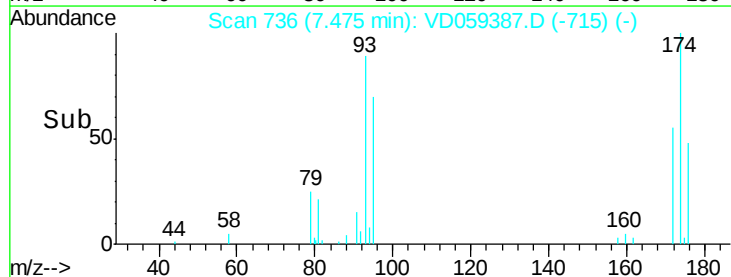
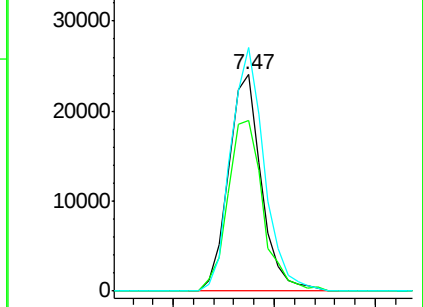
174 112.4 81.4 122.2

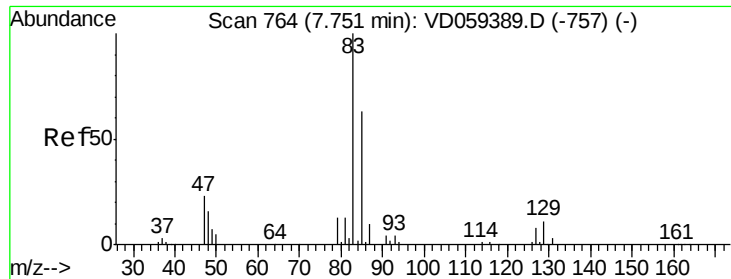


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 10.09 ug/l

RT: 7.75 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

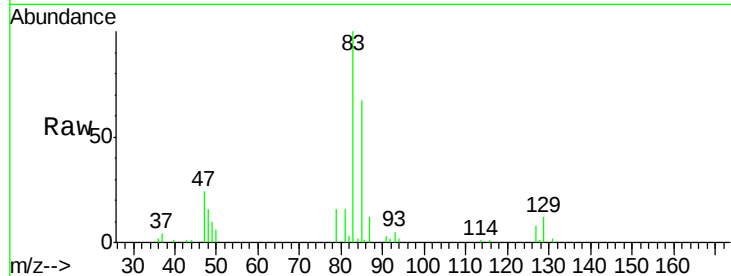
Tot Ion: 83 Resp: 114331

Ion Ratio Lower Upper

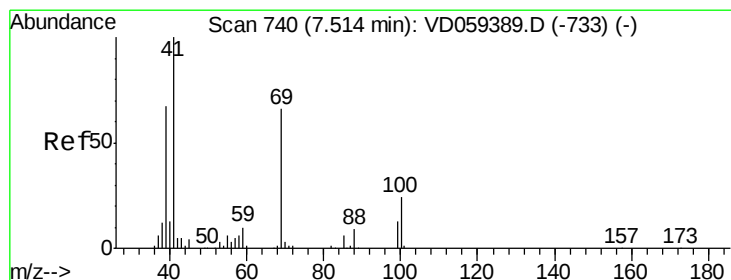
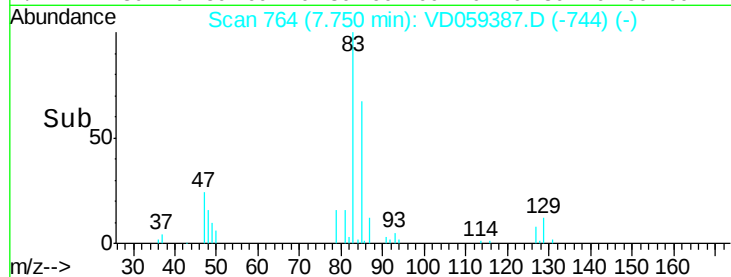
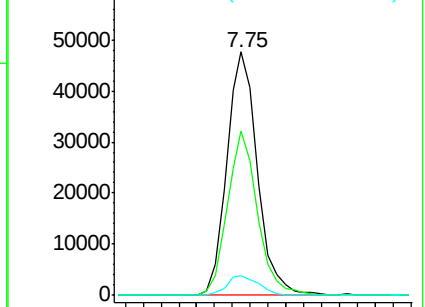
83 100

85 67.2 50.1 75.1

127 8.1 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): VDC



#48

Methyl methacrylate

Concen: 10.95 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

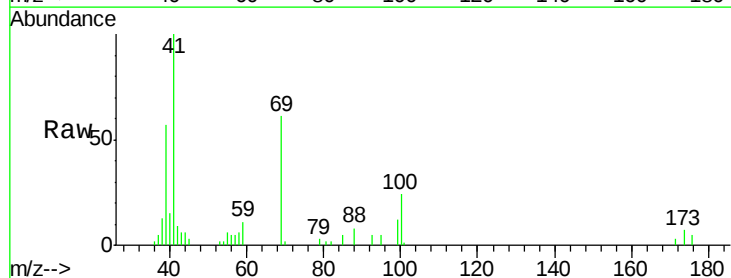
Tgt Ion: 41 Resp: 55477

Ion Ratio Lower Upper

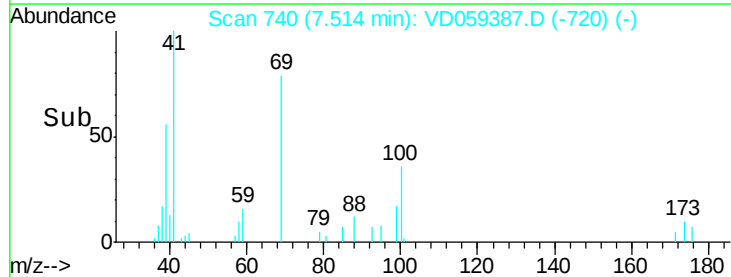
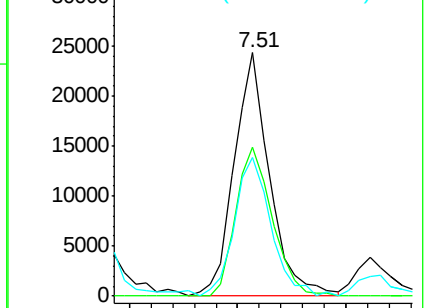
41 100

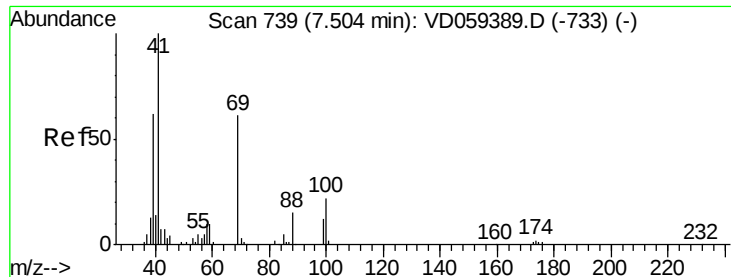
69 61.0 52.6 79.0

39 56.8 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

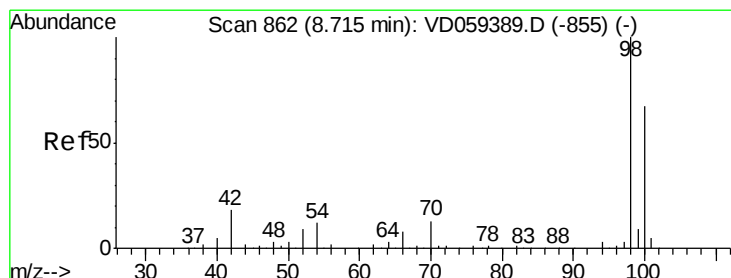
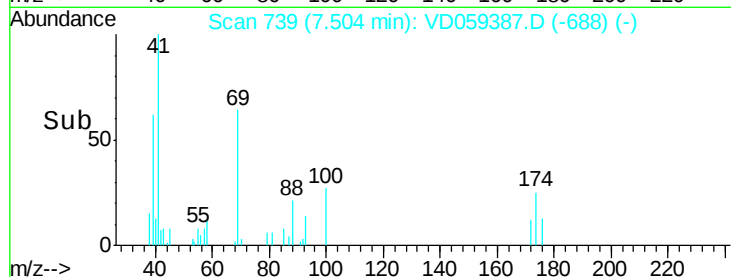
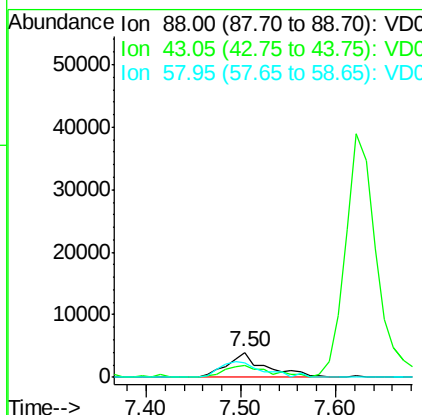
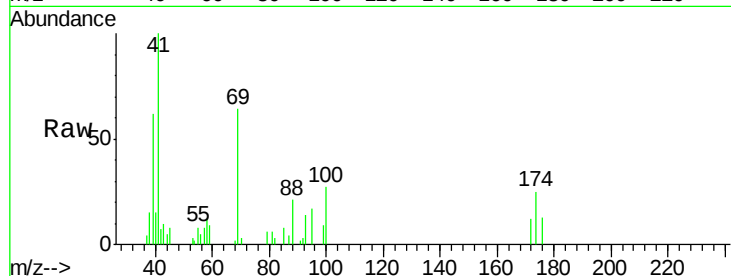




#49
1,4-Dioxane
Concen: 245.63 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

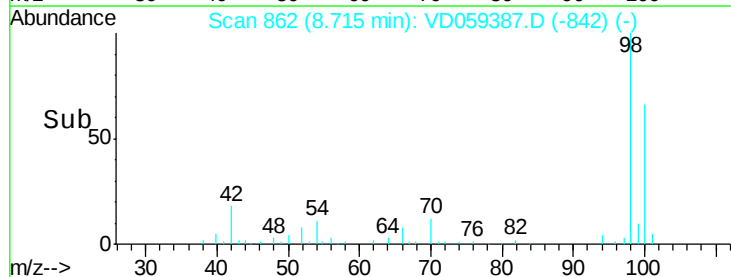
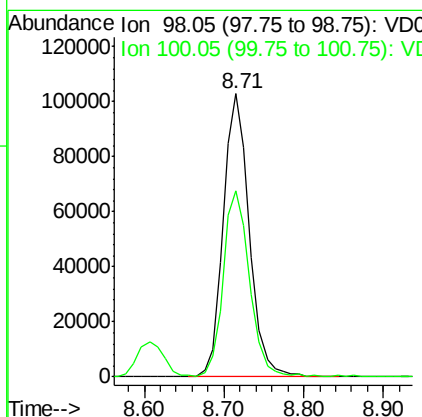
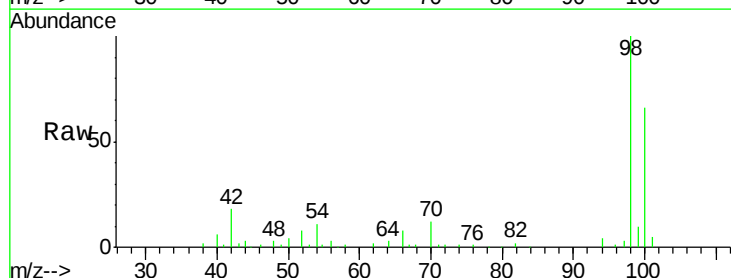
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 11252
Ion Ratio Lower Upper
88 100
43 46.3 41.0 61.4
58 57.8 53.4 80.0



#50
Toluene-d8
Concen: 245.63 ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 98 Resp: 235799
Ion Ratio Lower Upper
98 100
100 65.7 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 54.08 ug/l

RT: 8.61 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

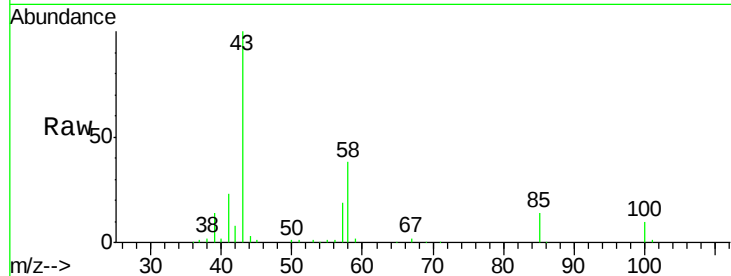
VSTDIC010

Tot Ion: 43 Resp: 295161

Ion Ratio Lower Upper

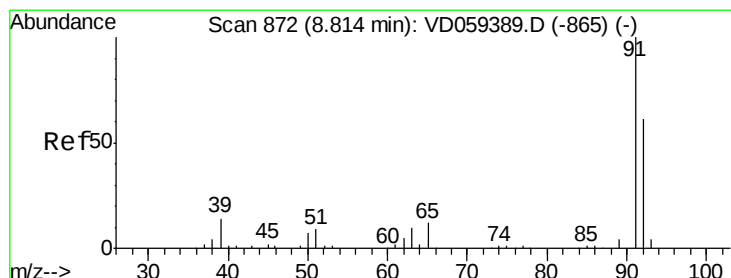
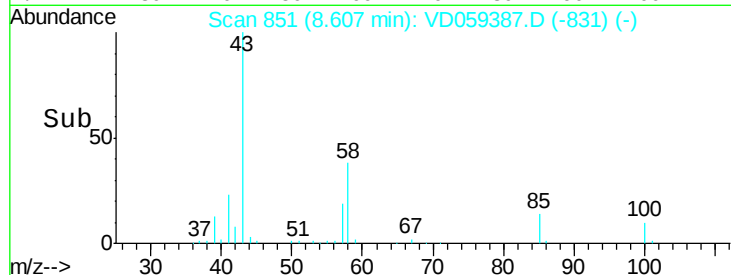
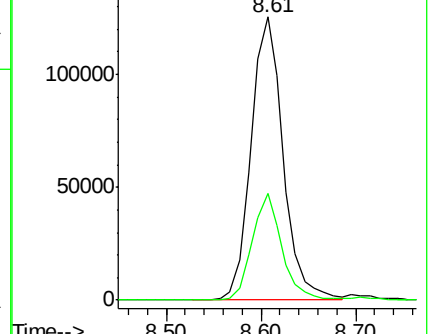
43 100

58 37.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.93 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059387.D

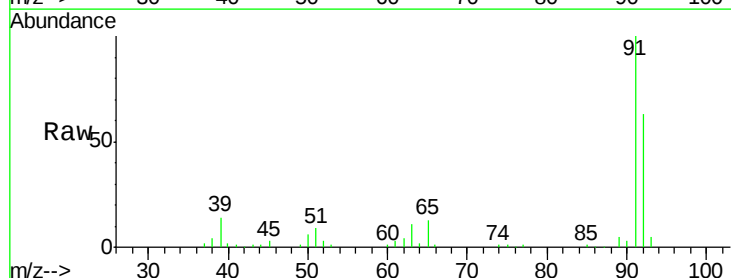
Acq: 25 Jun 2018 00:22

Tgt Ion: 92 Resp: 166464

Ion Ratio Lower Upper

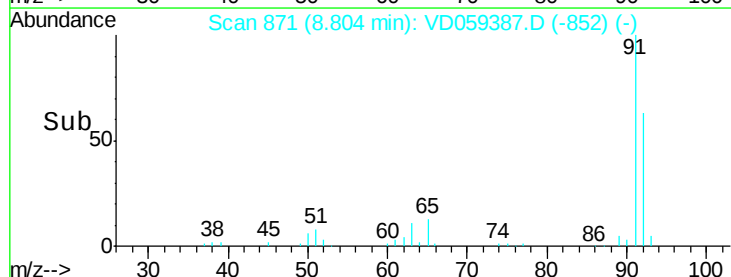
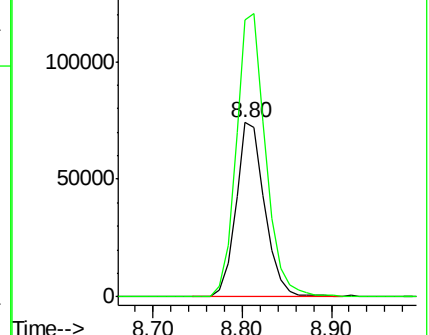
92 100

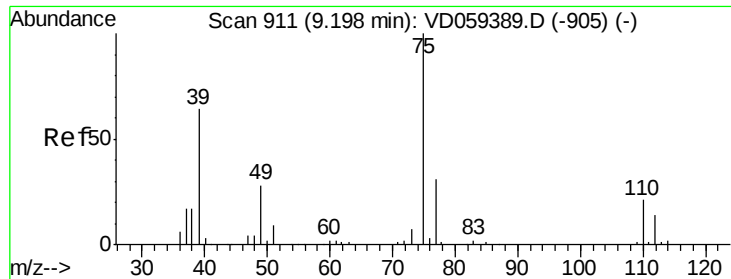
91 159.2 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

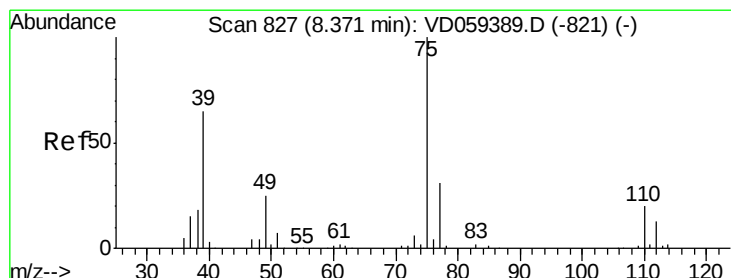
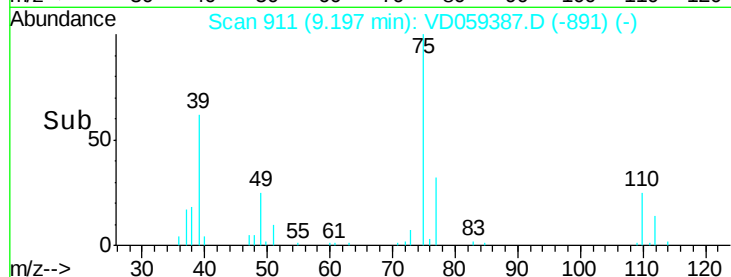
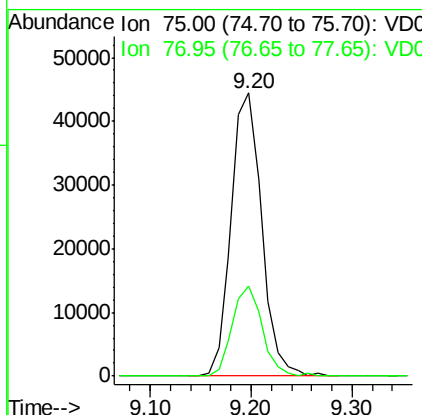
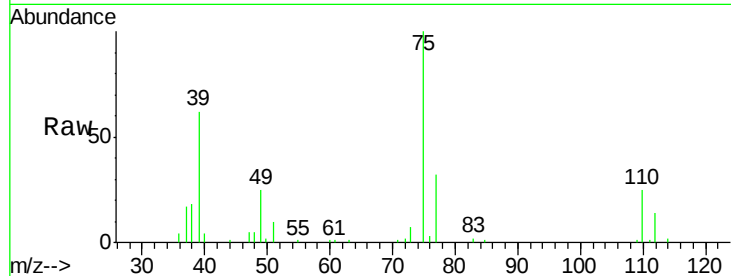




#53
 t-1,3-Dichloropropene
 Concen: 9.64 ug/l
 RT: 9.20 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

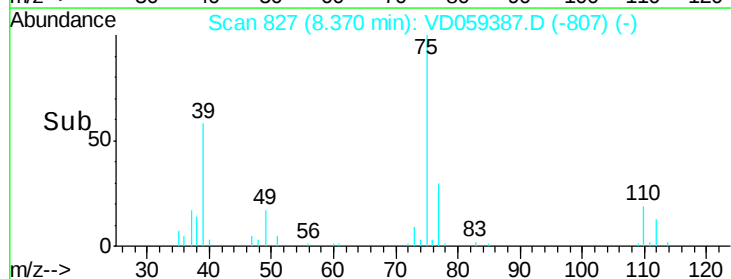
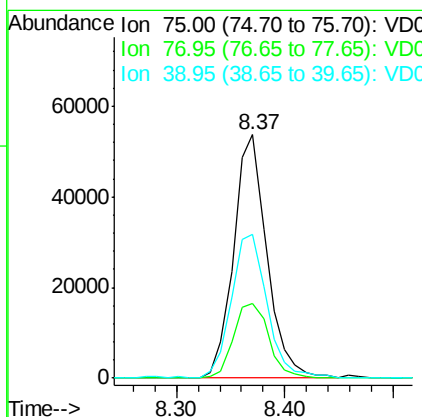
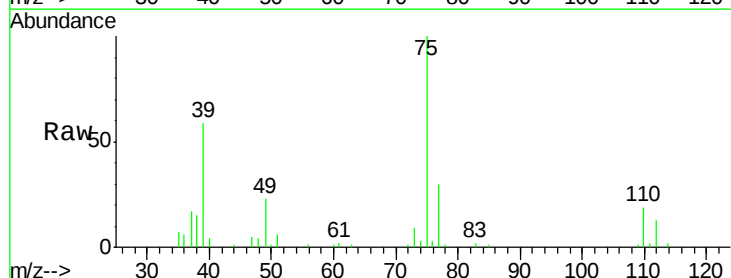
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

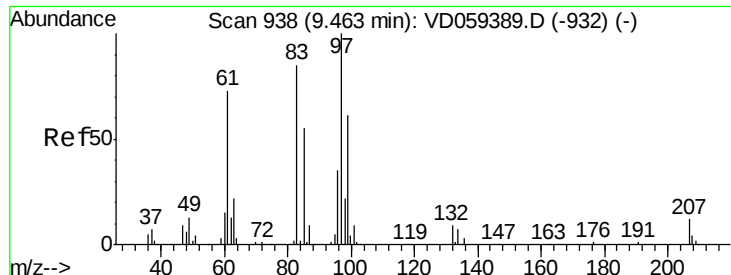
Tot Ion: 75 Resp: 93387
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 10.18 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Tgt Ion: 75 Resp: 114713
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.7 37.1
 39 59.3 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 10.69 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 57651

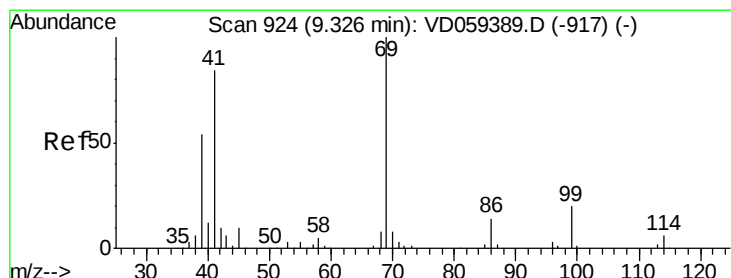
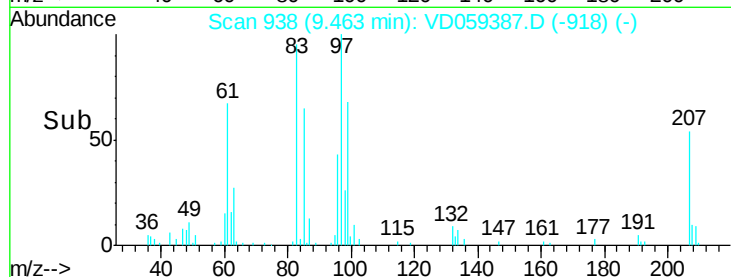
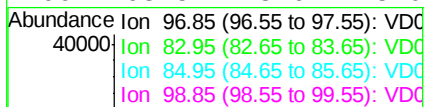
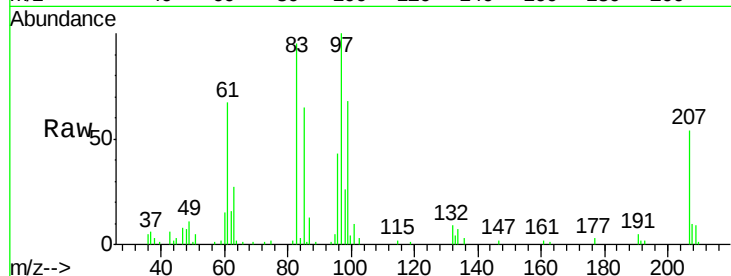
Ion	Ratio	Lower	Upper
97	100		
83	94.8	67.7	101.5
85	65.0	44.3	66.5
99	68.5	48.6	73.0

97 100

83 94.8 67.7 101.5

85 65.0 44.3 66.5

99 68.5 48.6 73.0



#56

Ethyl methacrylate

Concen: 10.53 ug/l

RT: 9.33 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

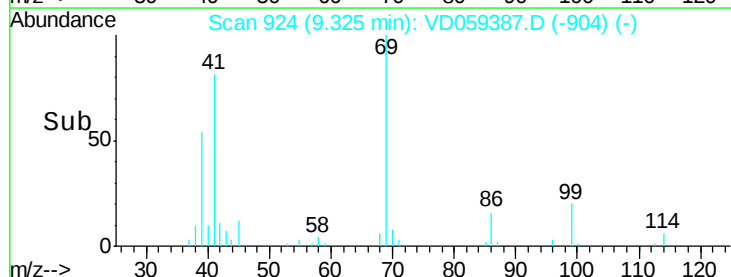
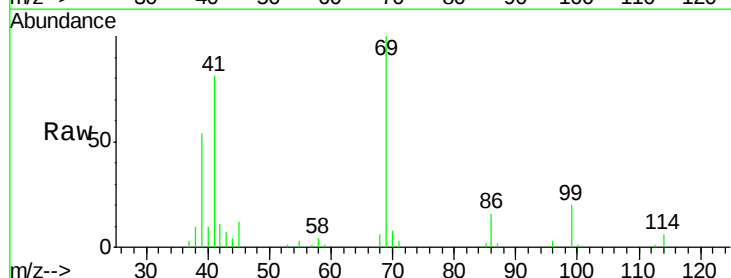
Tgt Ion: 69 Resp: 66959

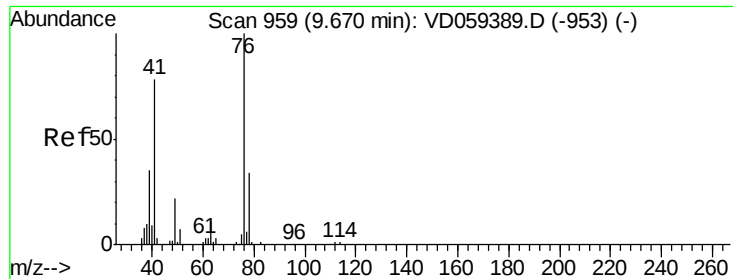
Ion	Ratio	Lower	Upper
69	100		
41	81.3	67.4	101.0
39	53.7	43.7	65.5

69 100

41 81.3 67.4 101.0

39 53.7 43.7 65.5





#57

1,3-Dichloropropane

Concen: 10.65 ug/l

RT: 9.67 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

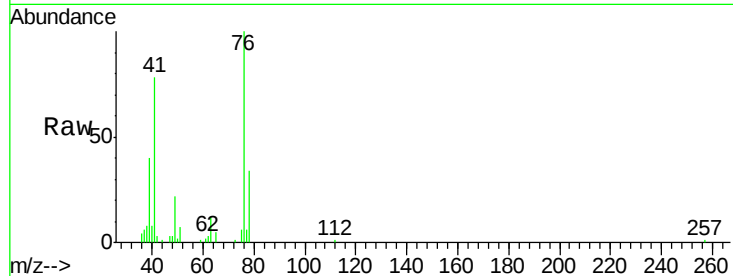
VSTDIC010

Tot Ion: 76 Resp: 96815

Ion Ratio Lower Upper

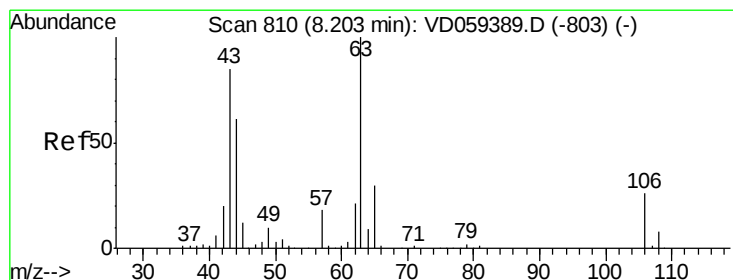
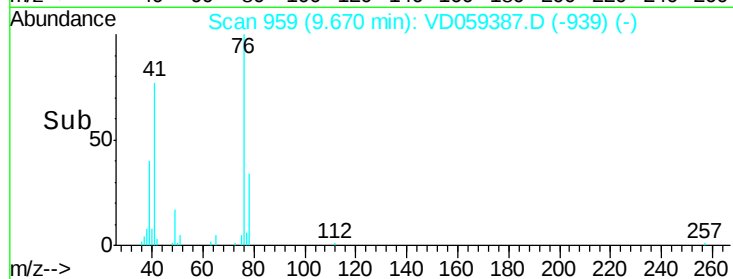
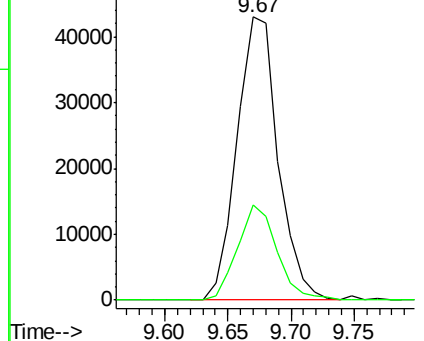
76 100

78 33.8 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 59.41 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD059387.D

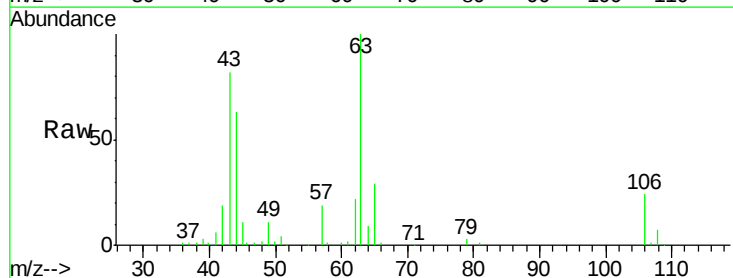
Acq: 25 Jun 2018 00:22

Tgt Ion: 63 Resp: 187345

Ion Ratio Lower Upper

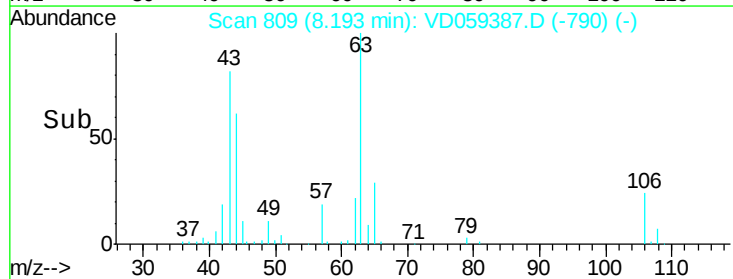
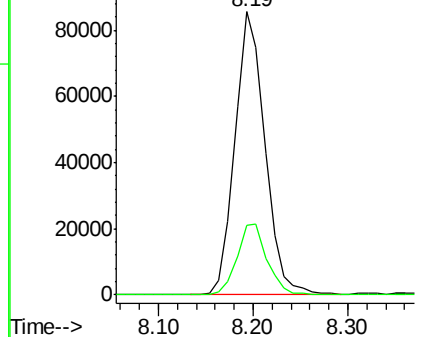
63 100

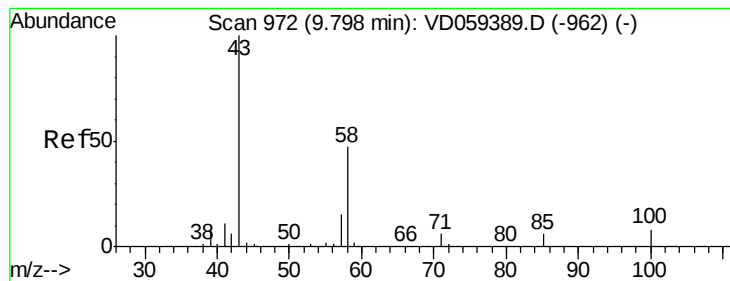
106 24.4 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 51.43 ug/l

RT: 9.80 min Scan# 972

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

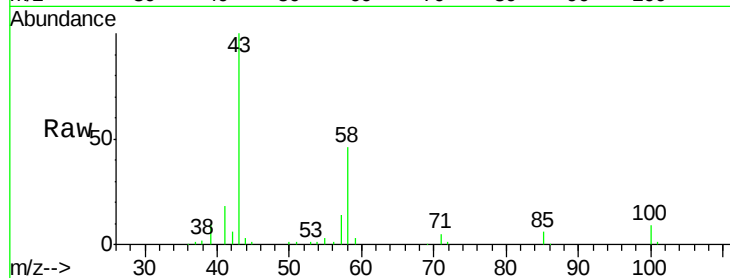
VSTDIC010

Tot Ion: 43 Resp: 204030

Ion Ratio Lower Upper

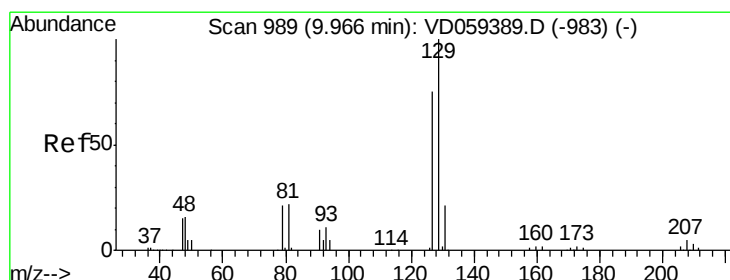
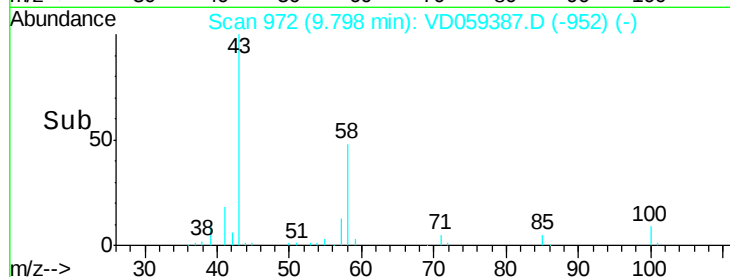
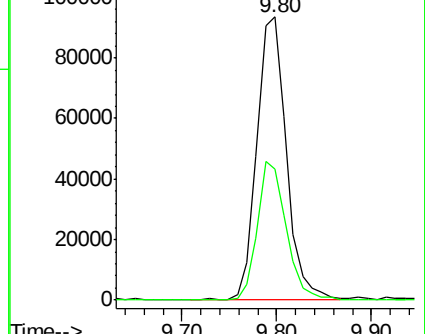
43 100

58 46.3 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 10.60 ug/l

RT: 9.97 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD059387.D

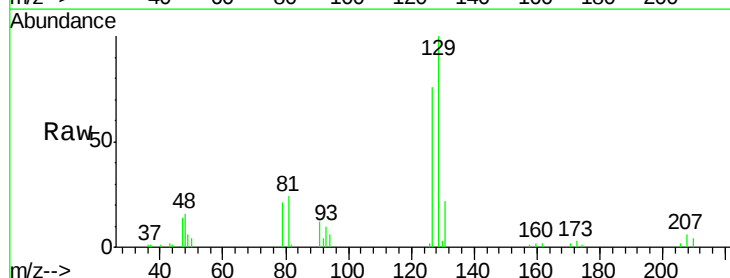
Acq: 25 Jun 2018 00:22

Tgt Ion: 129 Resp: 77768

Ion Ratio Lower Upper

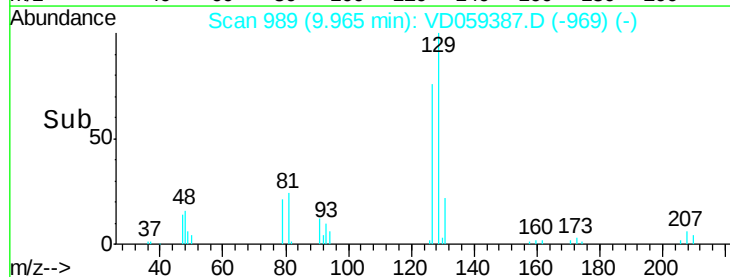
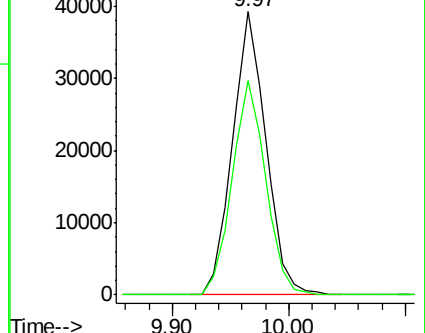
129 100

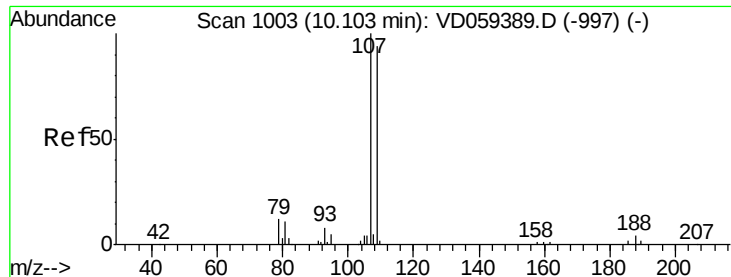
127 75.6 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 10.68 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

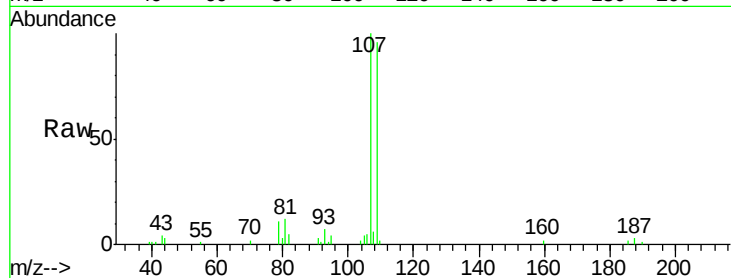
VSTDIC010

Tot Ion:107 Resp: 62615

Ion Ratio Lower Upper

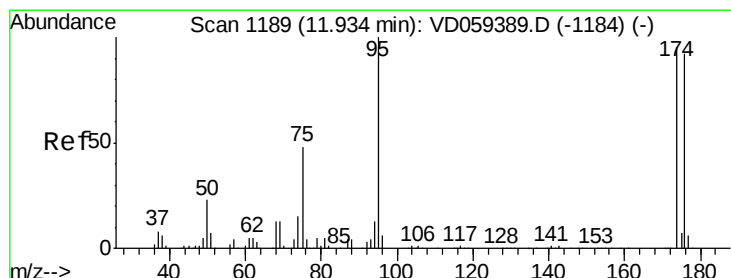
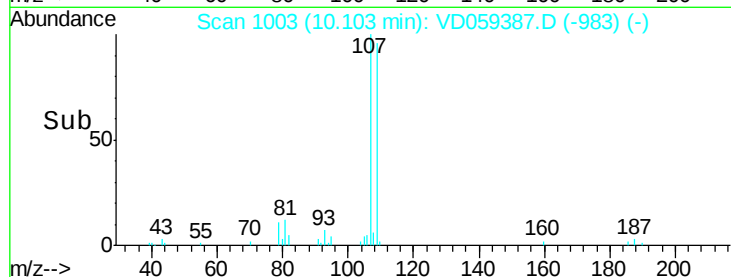
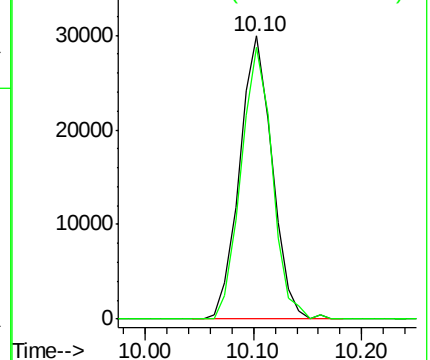
107 100

109 95.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 10.68 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

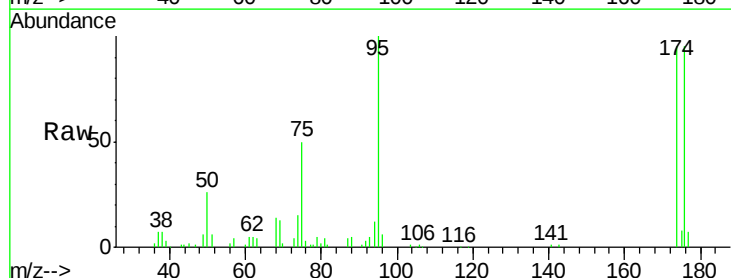
Tgt Ion: 95 Resp: 94502

Ion Ratio Lower Upper

95 100

174 94.6 0.0 190.4

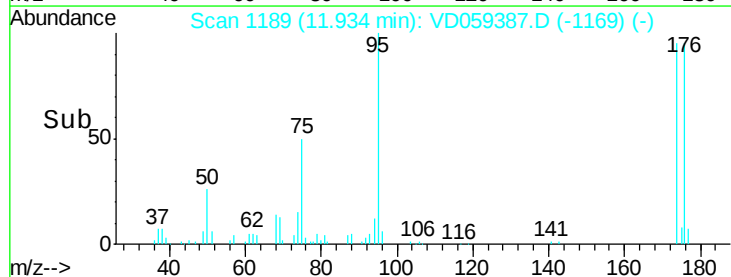
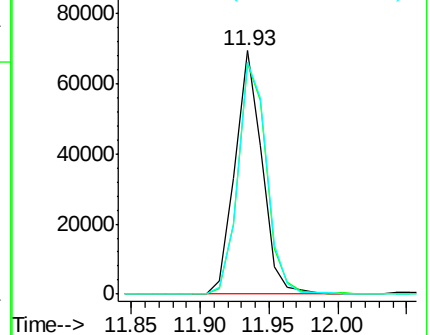
176 95.1 0.0 183.2

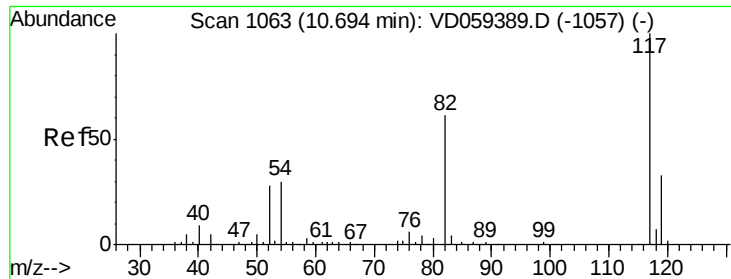


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

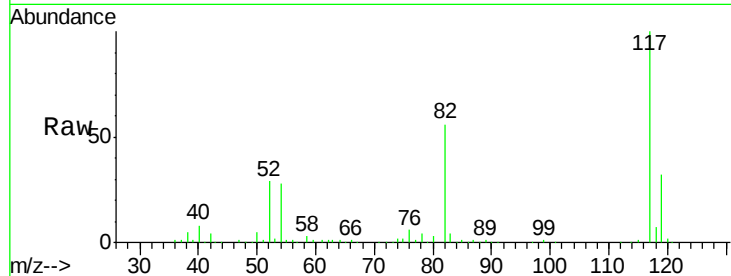




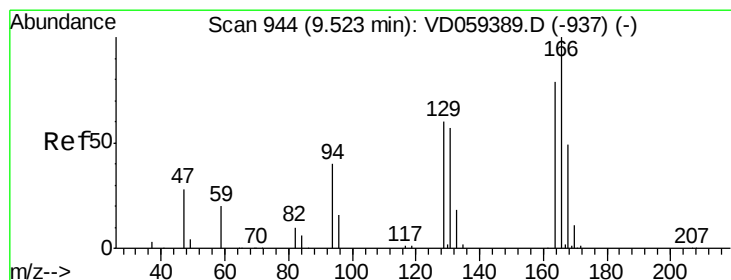
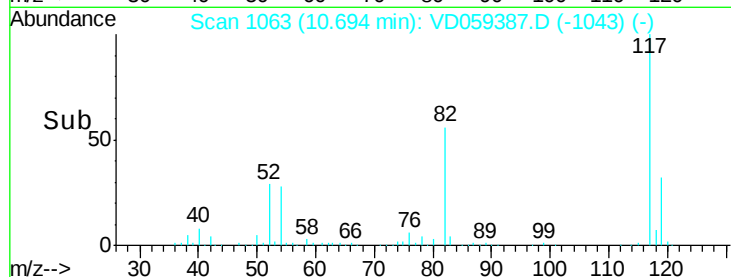
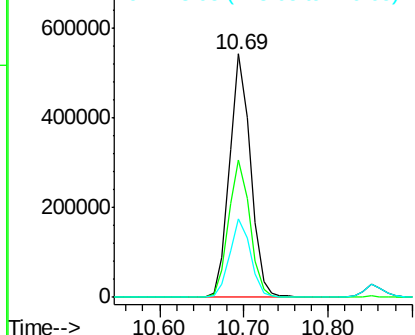
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 944374
Ion Ratio Lower Upper
117 100
82 56.5 49.0 73.6
119 32.0 26.2 39.4

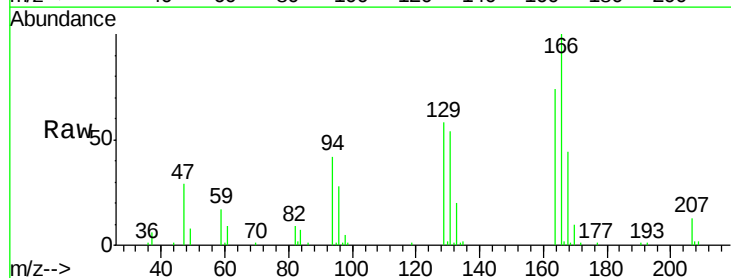


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

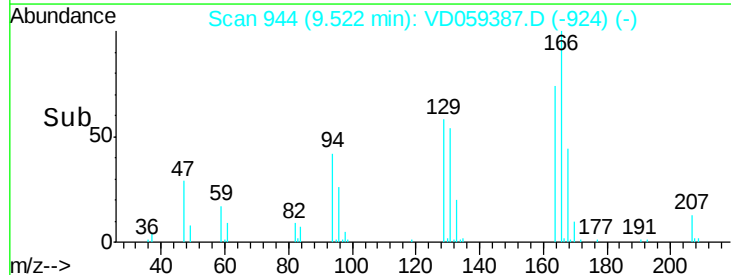
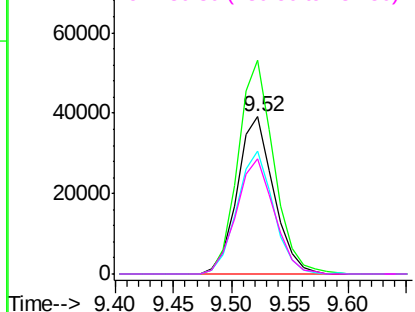


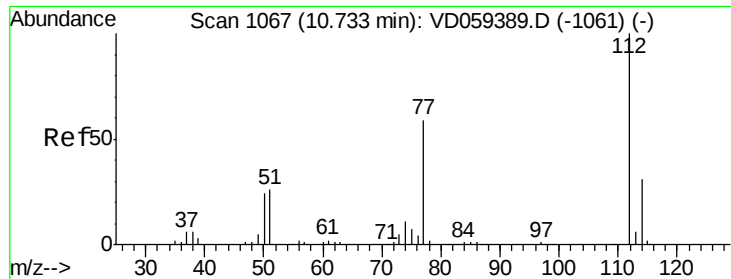
#64
Tetrachloroethene
Concen: 10.66 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion:164 Resp: 84636
Ion Ratio Lower Upper
164 100
166 135.9 101.4 152.2
129 78.6 60.9 91.3
131 72.9 58.2 87.4



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





#65

Chlorobenzene

Concen: 11.17 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

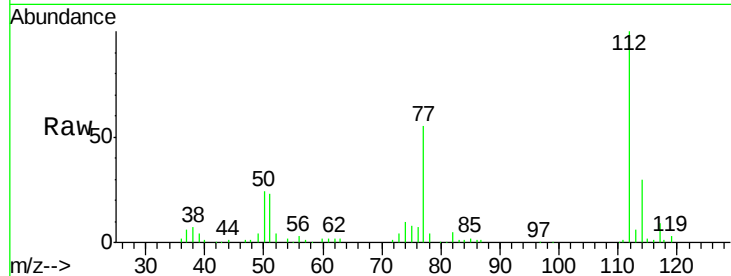
VSTDIC010

Tot Ion:112 Resp: 196149

Ion Ratio Lower Upper

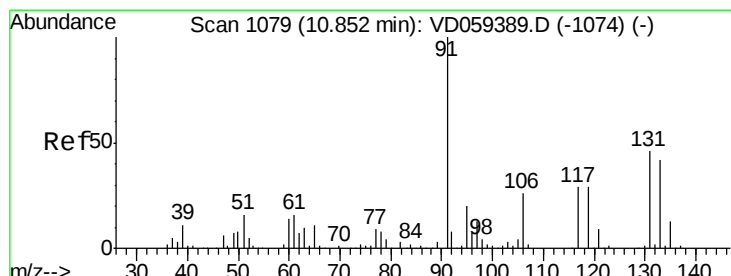
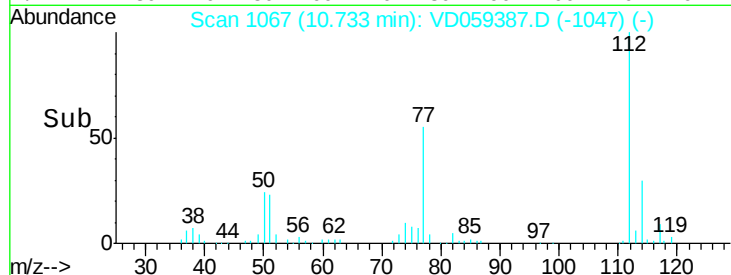
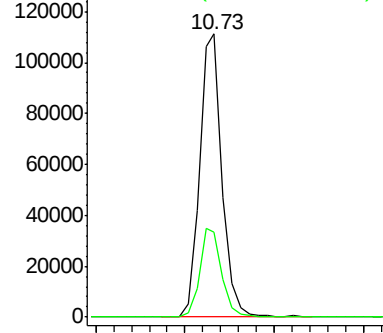
112 100

114 29.9 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.14 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

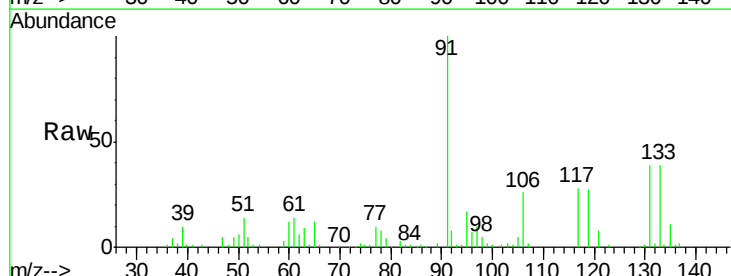
Tgt Ion:131 Resp: 69321

Ion Ratio Lower Upper

131 100

133 99.6 45.7 137.1

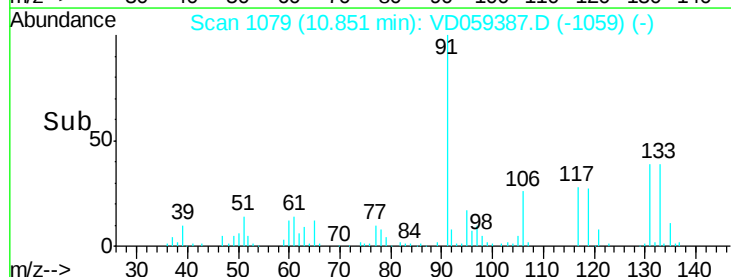
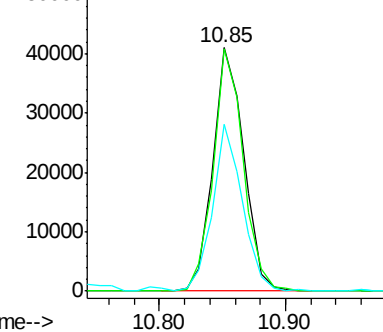
119 68.6 32.3 96.9

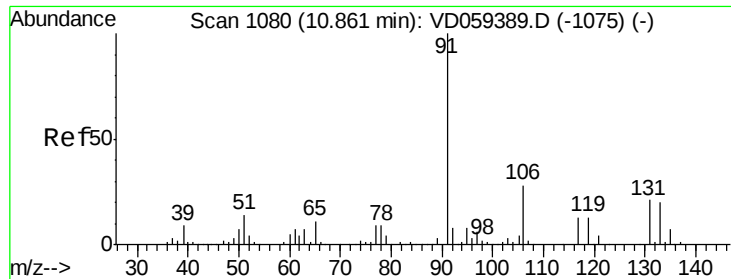


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

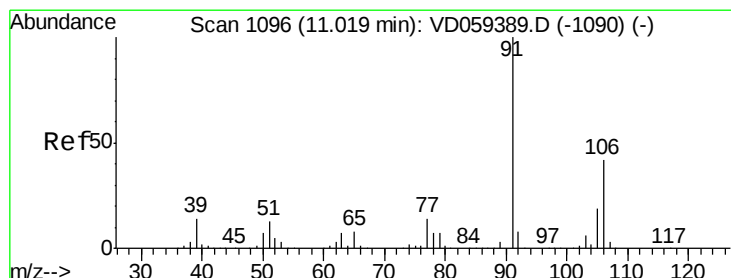
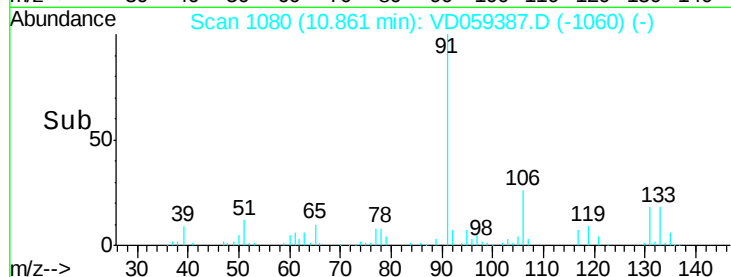
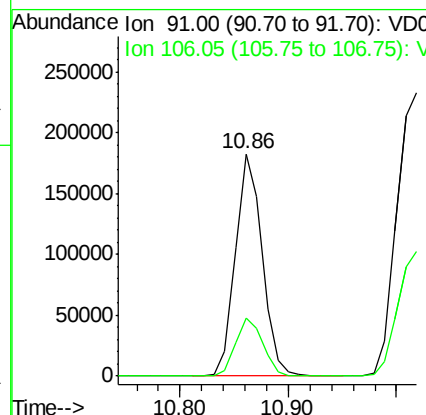
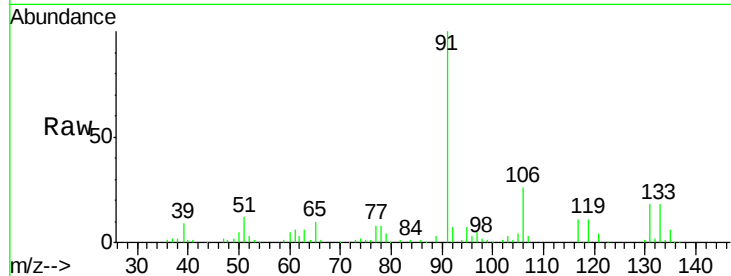




#67
Ethyl Benzene
Concen: 10.14 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

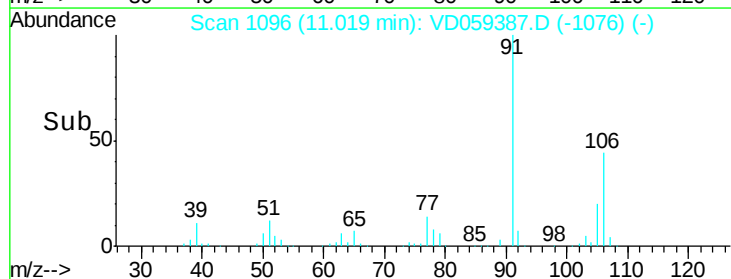
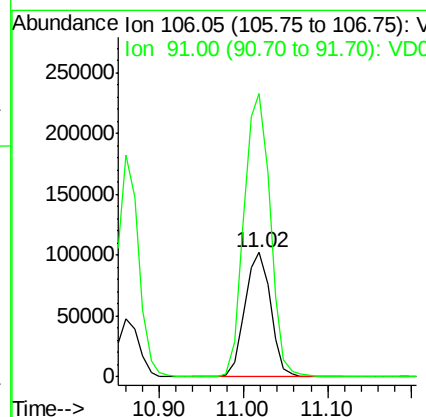
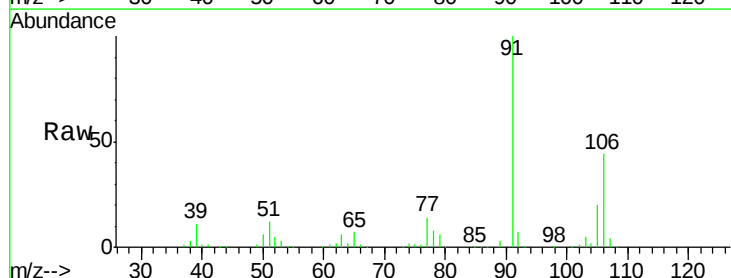
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

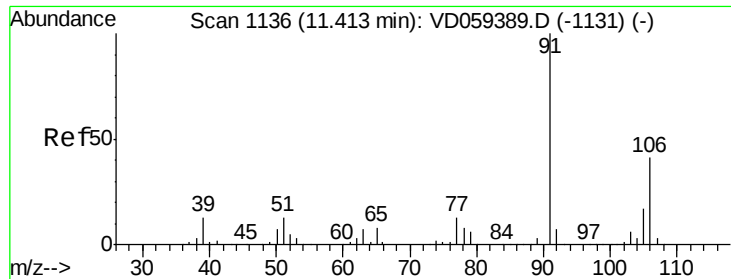
Tot Ion: 91 Resp: 314885
Ion Ratio Lower Upper
91 100
106 26.3 22.3 33.5



#68
m/p-Xylenes
Concen: 21.15 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 106 Resp: 218101
Ion Ratio Lower Upper
106 100
91 227.1 191.0 286.6

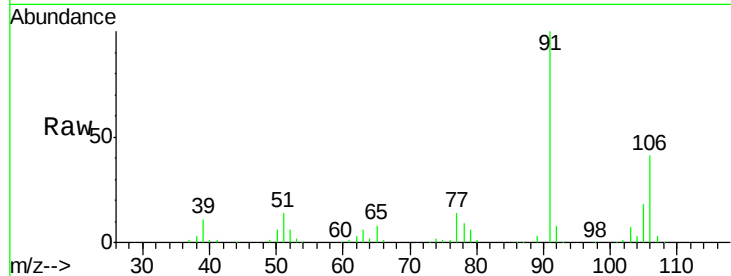




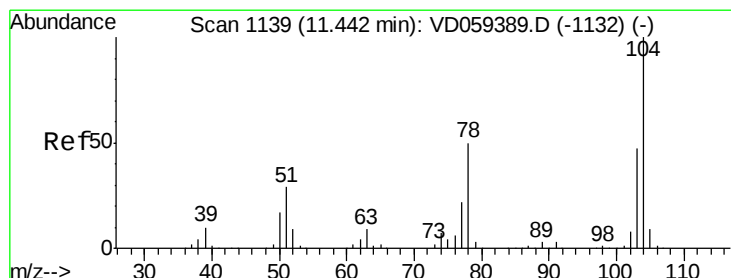
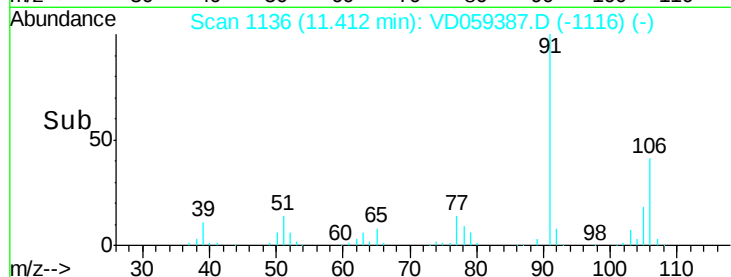
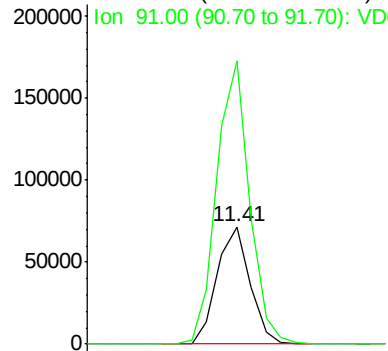
#69
o-Xylene
Concen: 10.90 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 108711
Ion Ratio Lower Upper
106 100
91 241.5 121.0 362.8

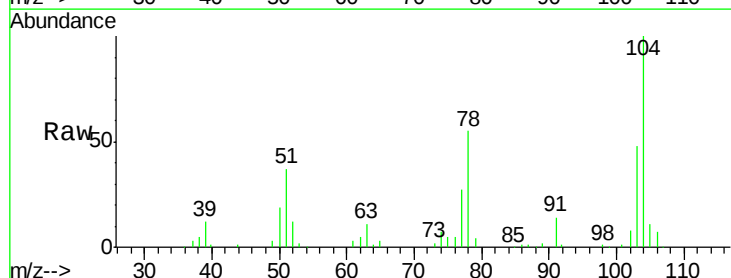


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

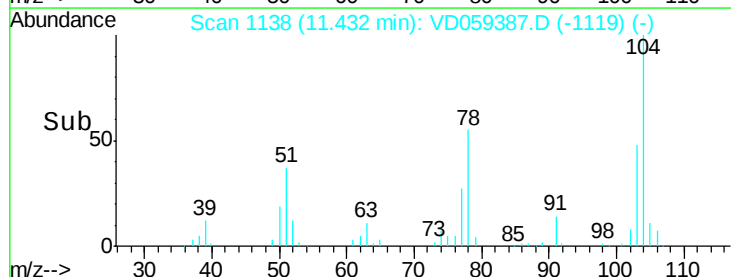
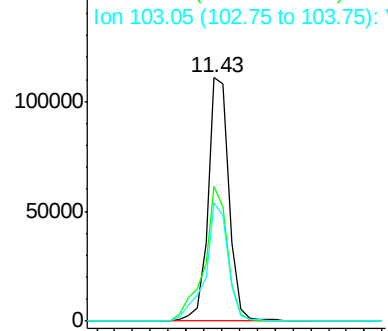


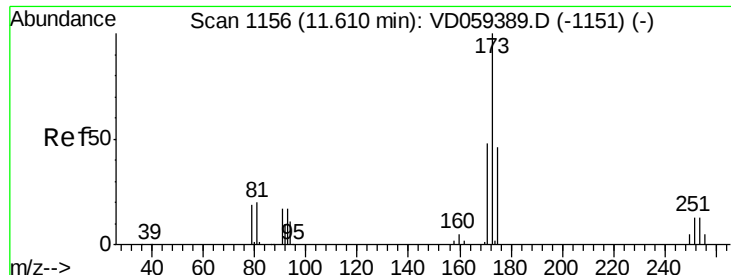
#70
Styrene
Concen: 10.77 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion:104 Resp: 182837
Ion Ratio Lower Upper
104 100
78 55.3 40.2 60.4
103 48.4 37.8 56.8



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

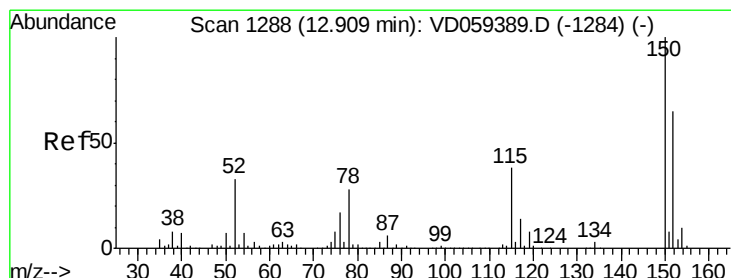
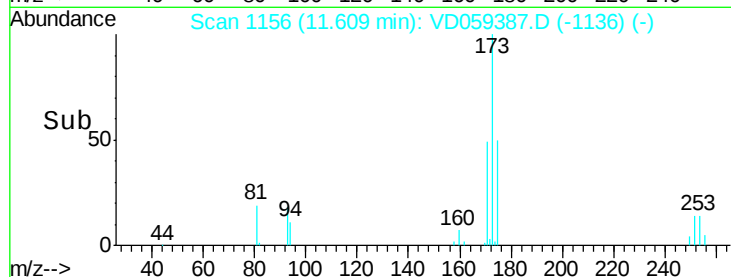
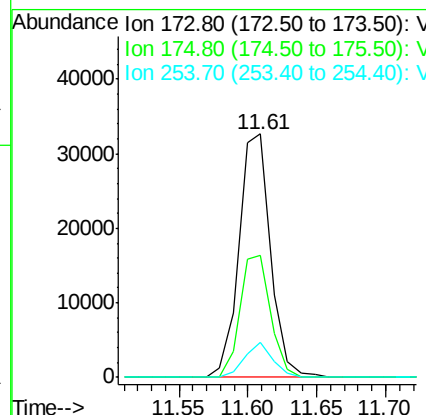
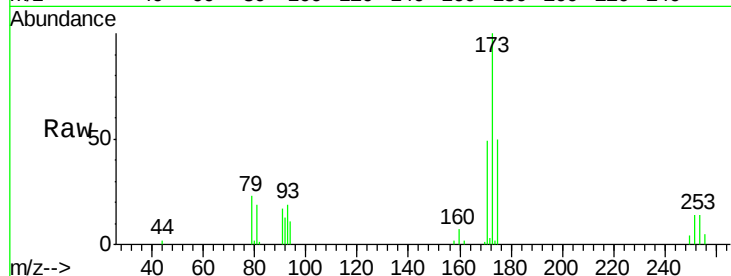




#71
Bromoform
Concen: 9.64 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

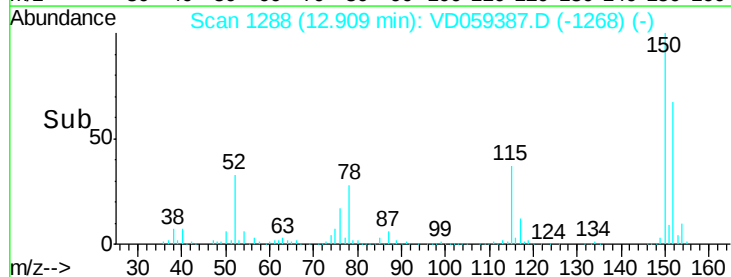
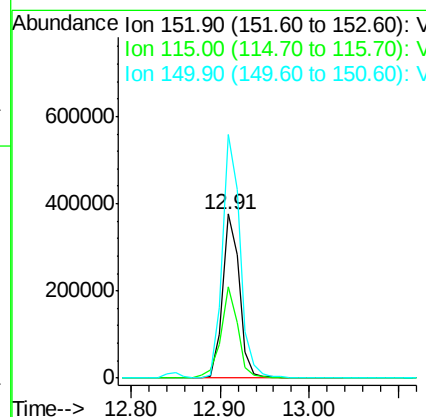
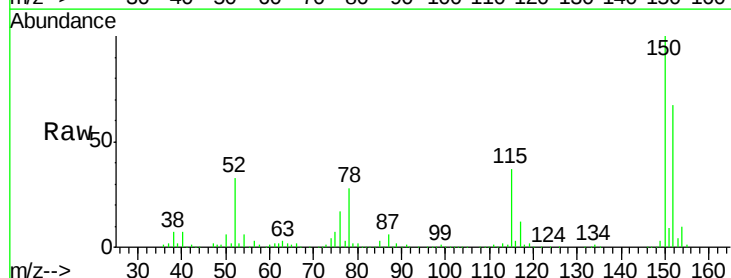
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

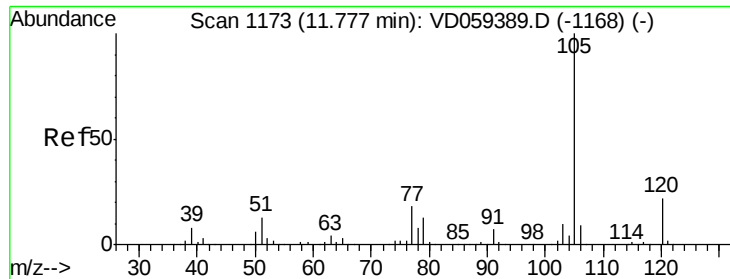
Tot Ion:173 Resp: 51982
Ion Ratio Lower Upper
173 100
175 49.9 22.8 68.4
254 14.3 10.1 15.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion:152 Resp: 500814
Ion Ratio Lower Upper
152 100
115 55.5 29.4 88.3
150 148.7 0.0 308.2





#73

Isopropylbenzene

Concen: 10.26 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

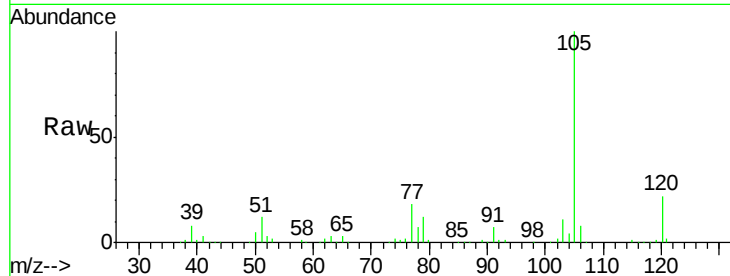
VSTDIC010

Tot Ion:105 Resp: 304843

Ion Ratio Lower Upper

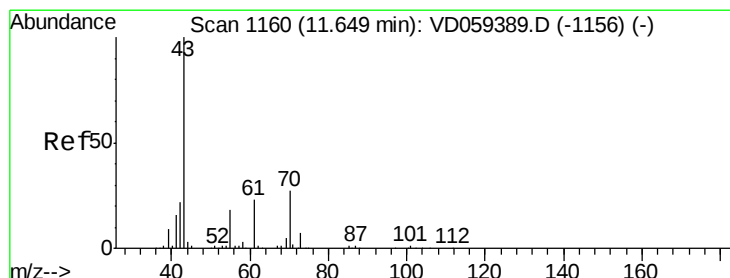
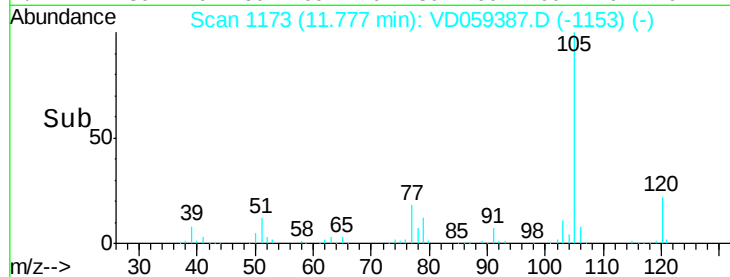
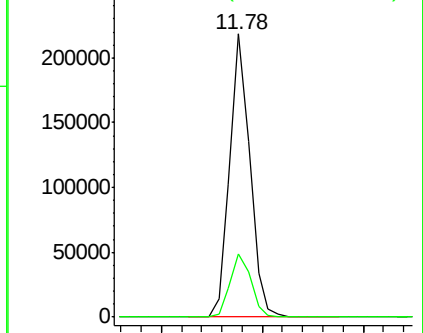
105 100

120 22.4 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: 10.23 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Tgt Ion: 43 Resp: 114652

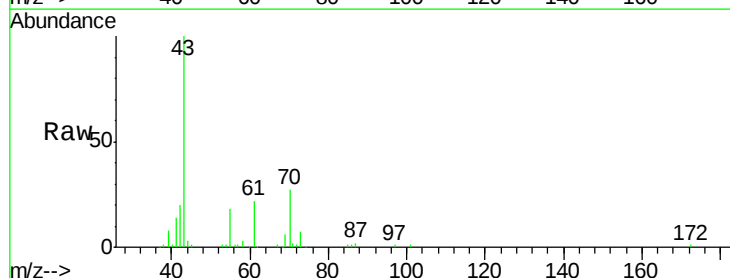
Ion Ratio Lower Upper

43 100

70 27.5 21.7 32.5

55 17.6 14.6 22.0

61 22.2 18.0 27.0

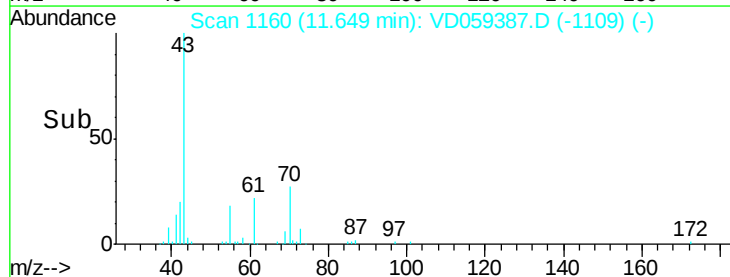
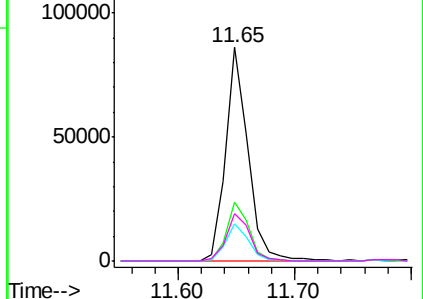


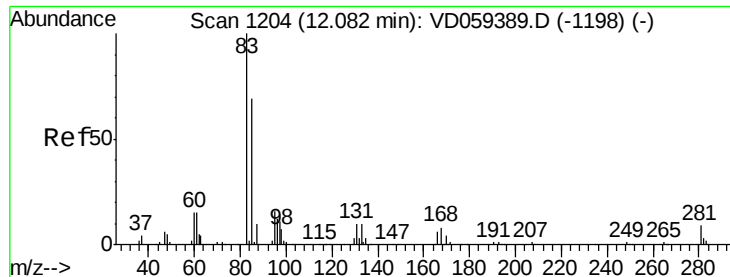
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 10.41 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

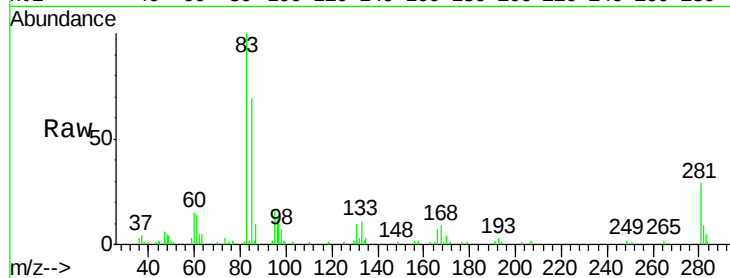
Tot Ion: 83 Resp: 70936

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.6

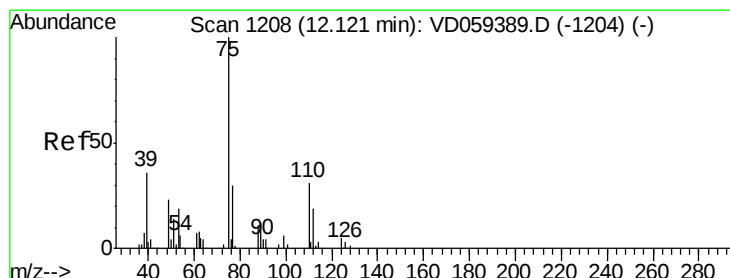
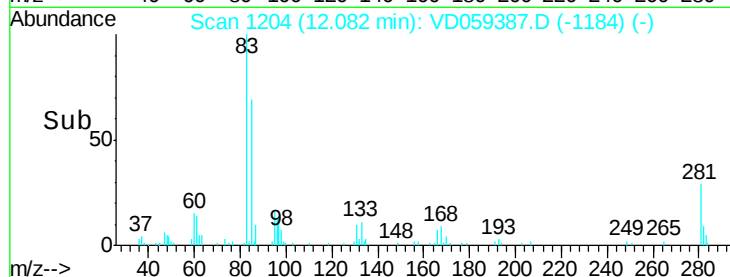
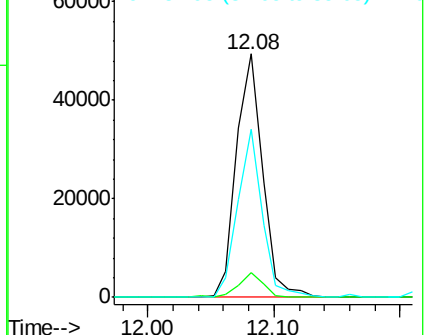
85 69.2 34.6 103.8



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: 9.88 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059387.D

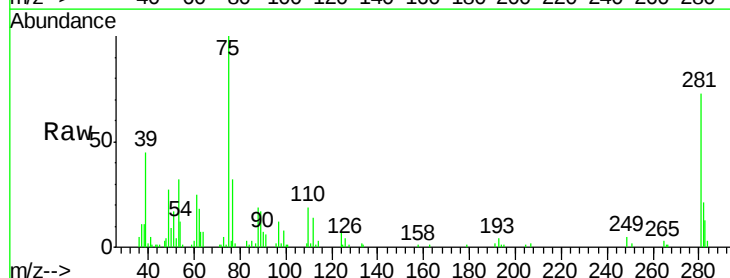
Acq: 25 Jun 2018 00:22

Tgt Ion: 75 Resp: 70637

Ion Ratio Lower Upper

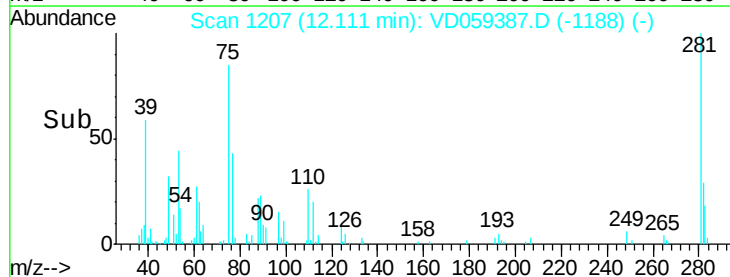
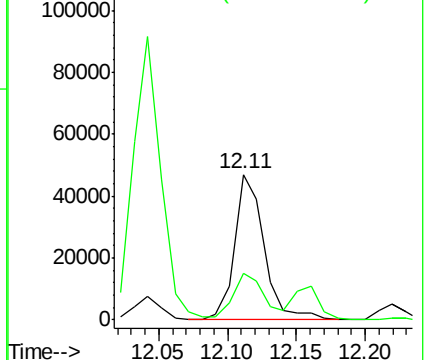
75 100

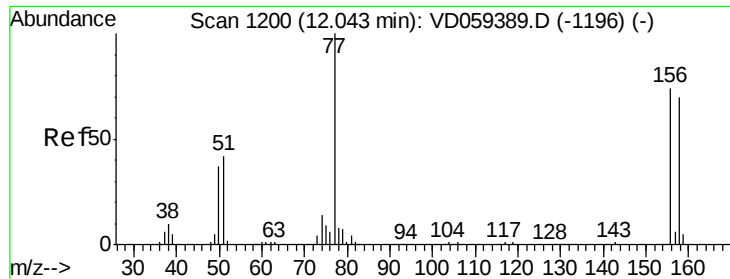
77 31.9 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 10.29 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

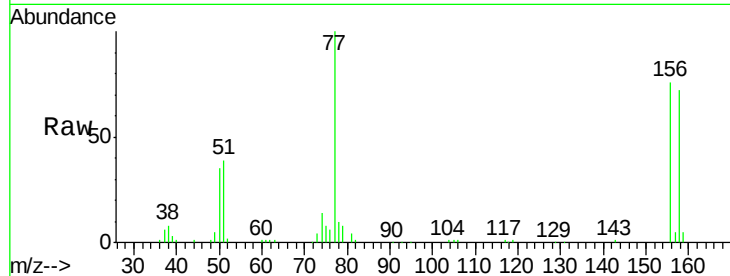
Tot Ion:156 Resp: 91921

Ion Ratio Lower Upper

156 100

77 132.3 68.0 203.8

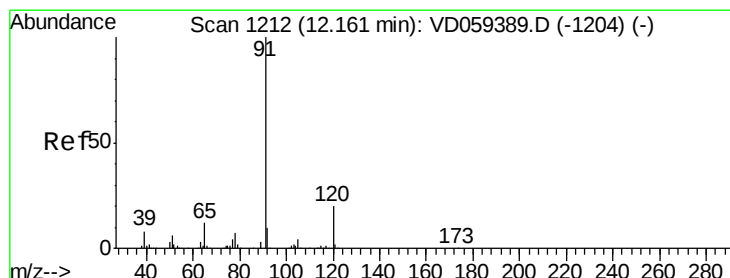
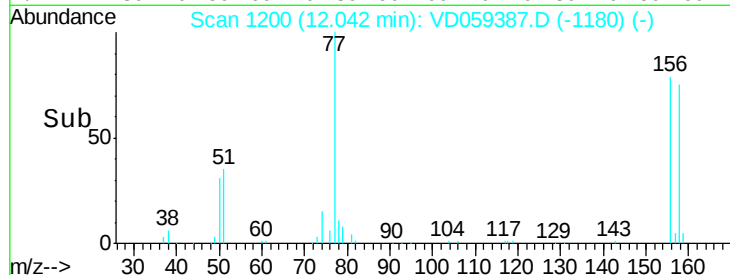
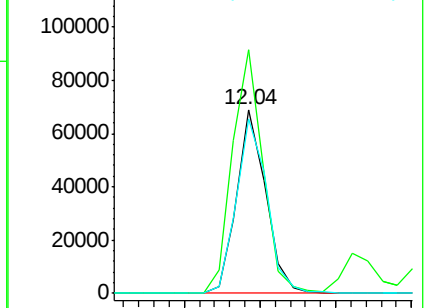
158 94.7 47.7 143.1



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: 9.76 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059387.D

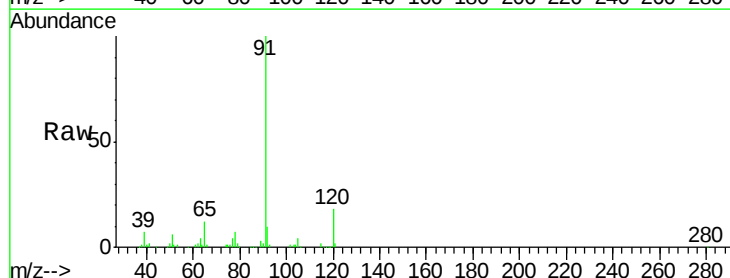
Acq: 25 Jun 2018 00:22

Tgt Ion: 91 Resp: 371751

Ion Ratio Lower Upper

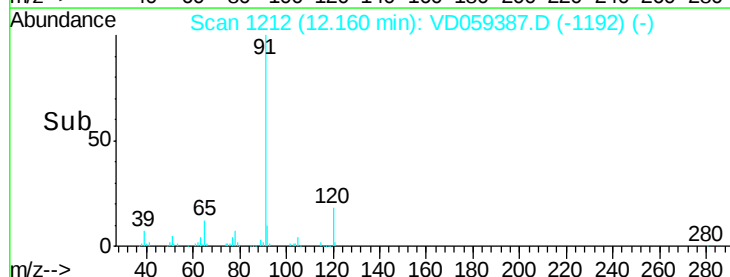
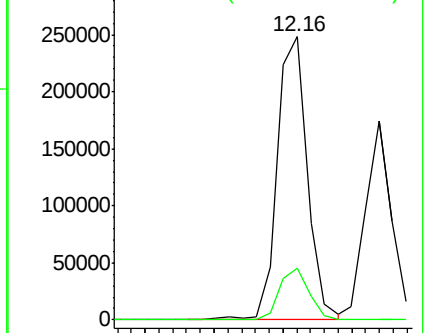
91 100

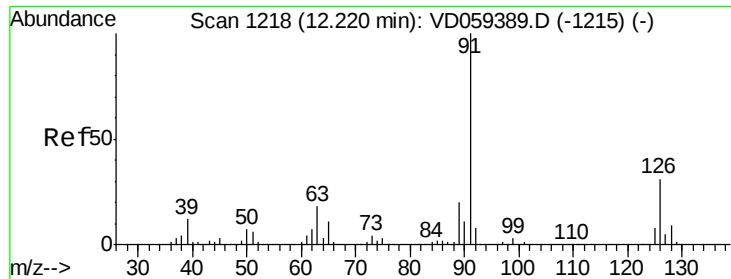
120 18.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

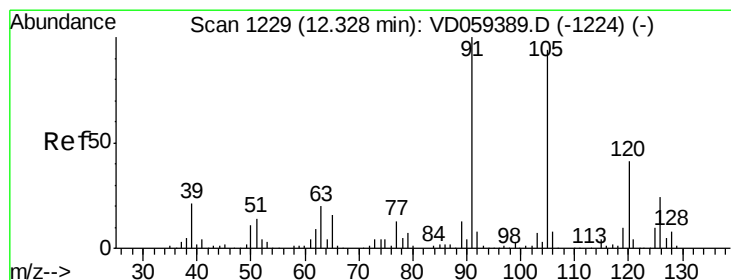
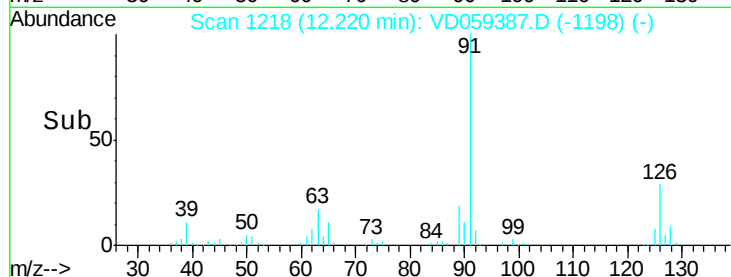
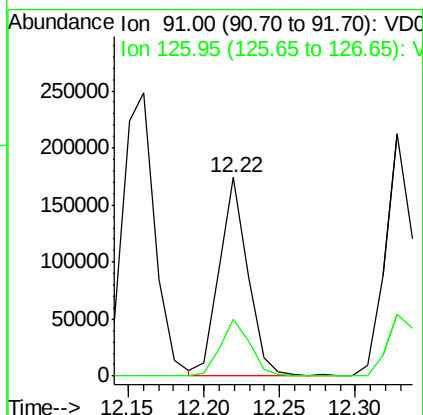
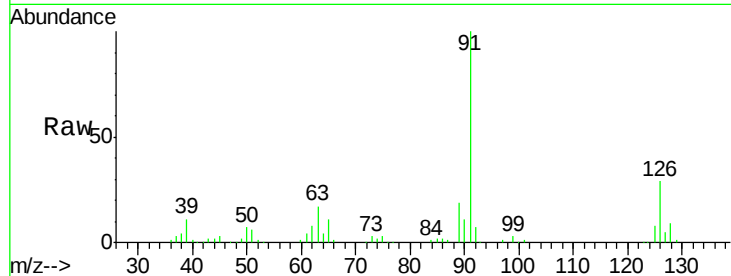




#79
 2-Chlorotoluene
 Concen: 10.44 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

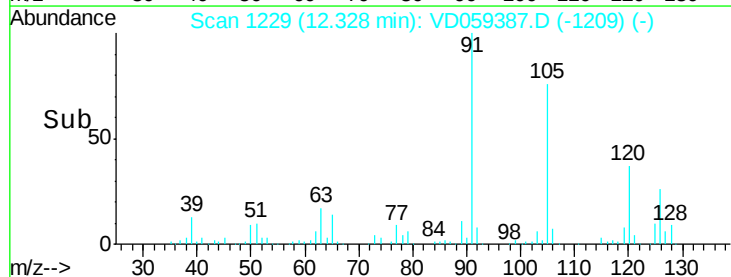
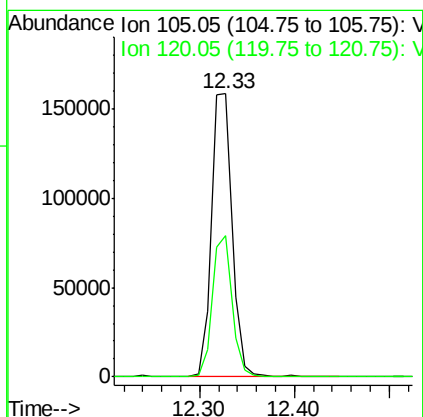
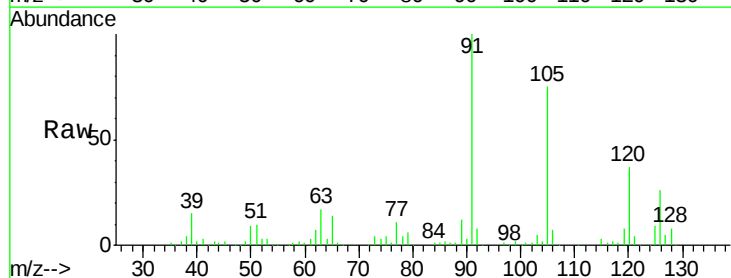
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

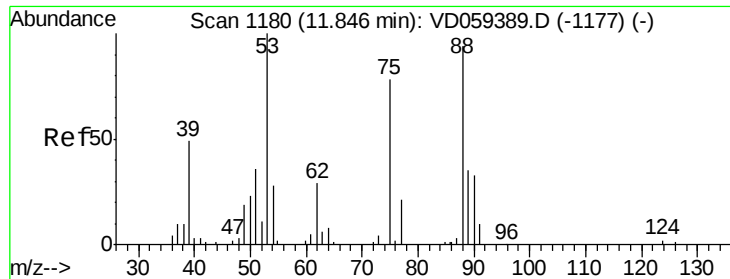
Tot Ion: 91 Resp: 228362
 Ion Ratio Lower Upper
 91 100
 126 28.9 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 10.50 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Tgt Ion: 105 Resp: 242115
 Ion Ratio Lower Upper
 105 100
 120 49.7 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 8.69 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

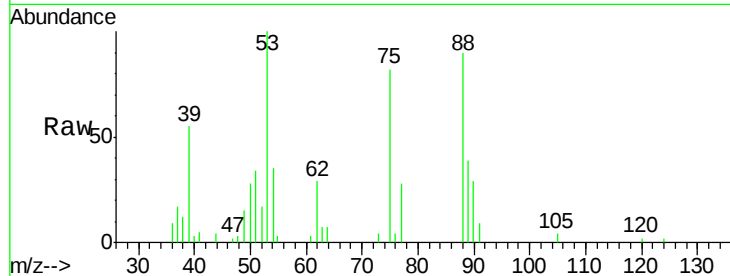
Tot Ion: 75 Resp: 14850

Ion Ratio Lower Upper

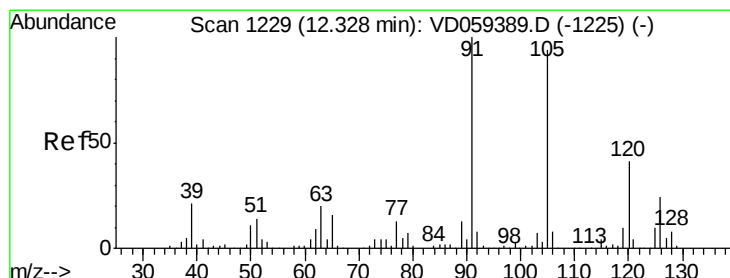
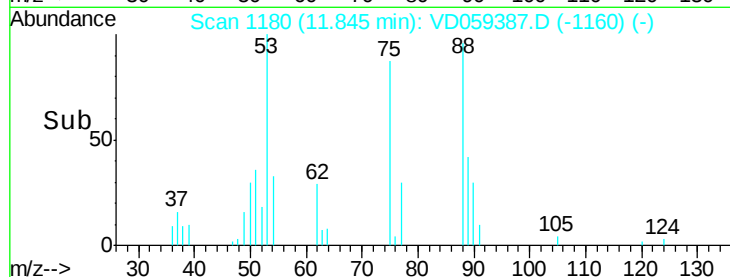
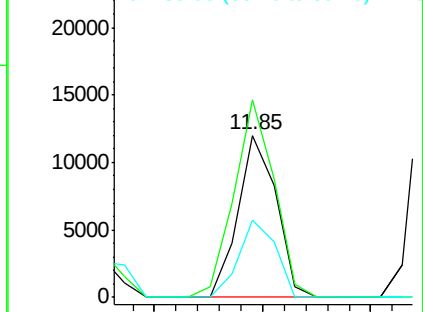
75 100

53 121.7 102.6 154.0

89 47.8 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: 11.15 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059387.D

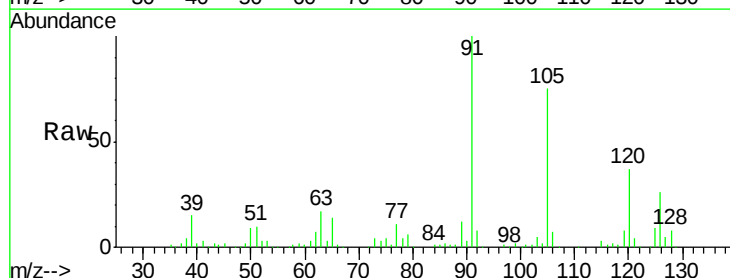
Acq: 25 Jun 2018 00:22

Tgt Ion: 91 Resp: 273592

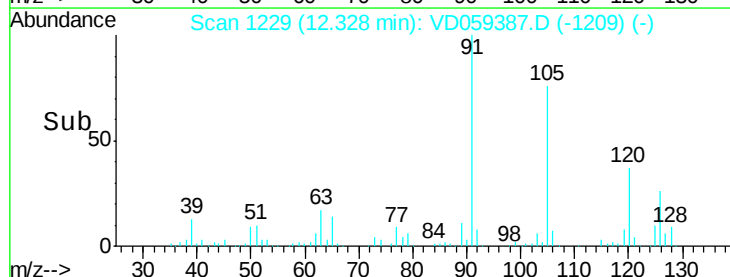
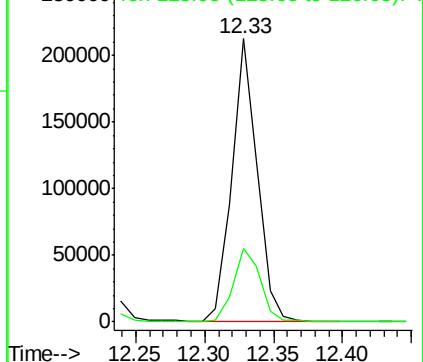
Ion Ratio Lower Upper

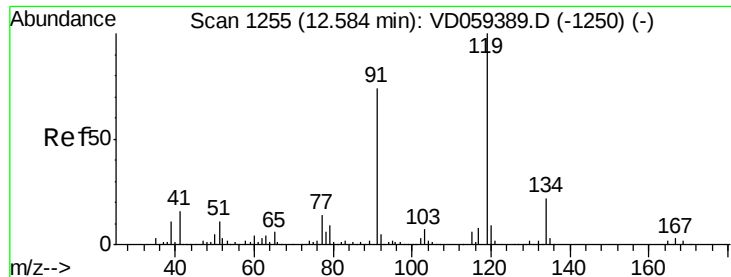
91 100

126 25.8 12.2 36.6



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

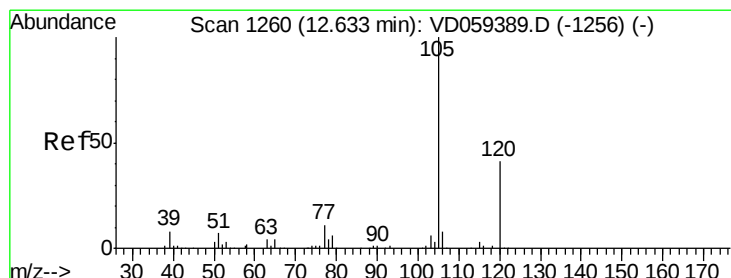
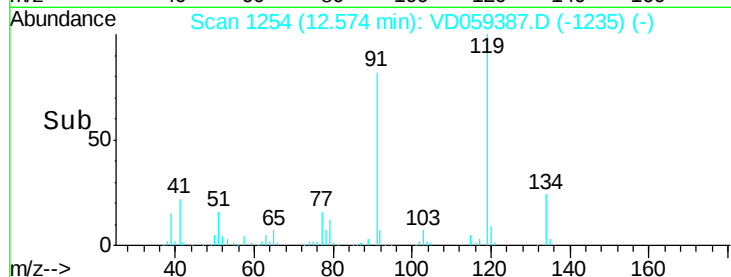
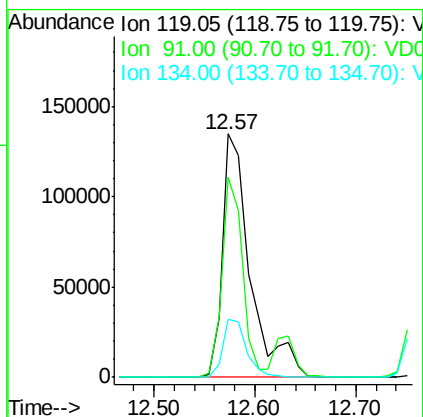
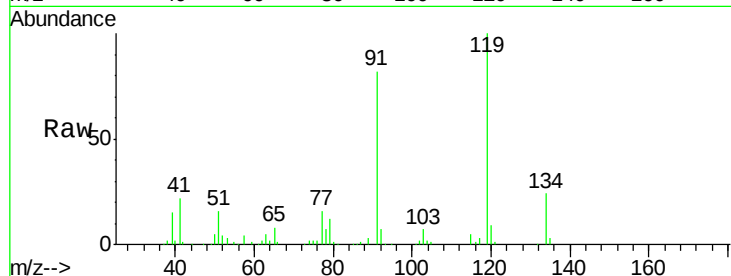




#83
tert-Butylbenzene
Concen: 9.80 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

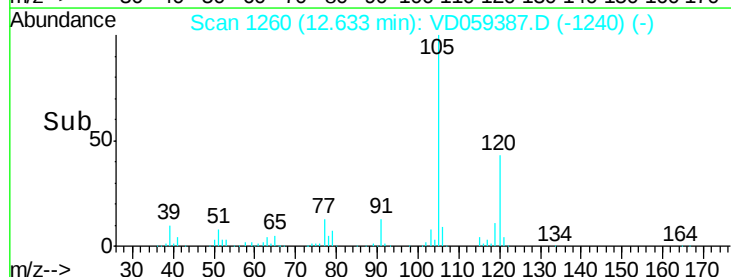
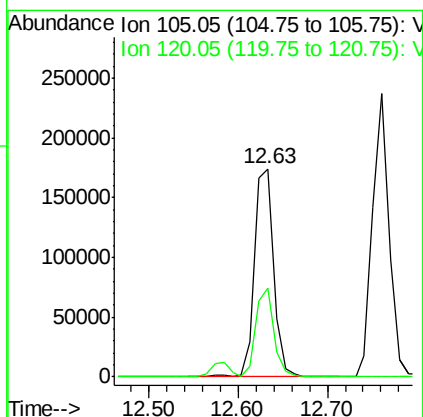
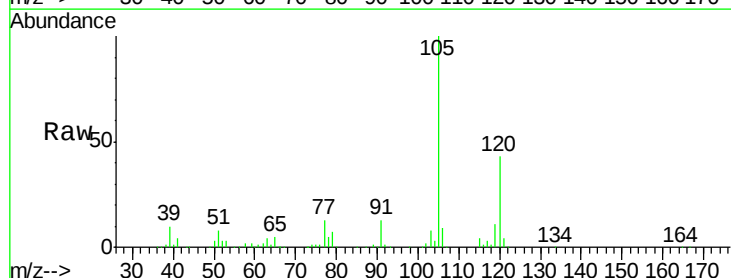
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

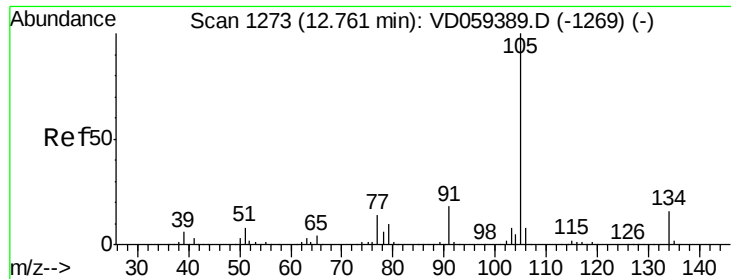
Tot Ion:119 Resp: 258501
Ion Ratio Lower Upper
119 100
91 82.3 36.9 110.7
134 23.8 11.2 33.6



#84
1,2,4-Trimethylbenzene
Concen: 10.21 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion:105 Resp: 256499
Ion Ratio Lower Upper
105 100
120 42.7 21.5 64.5





#85

sec-Butylbenzene

Concen: 9.83 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

Instrument :

MSVOA_D

ClientSampleId :

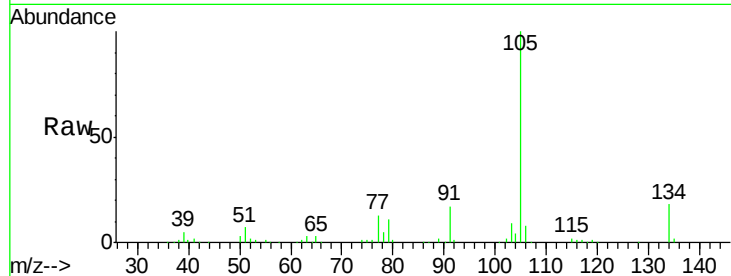
VSTDIC010

Tot Ion:105 Resp: 305002

Ion Ratio Lower Upper

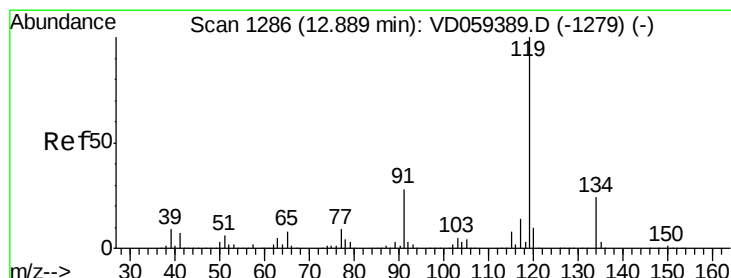
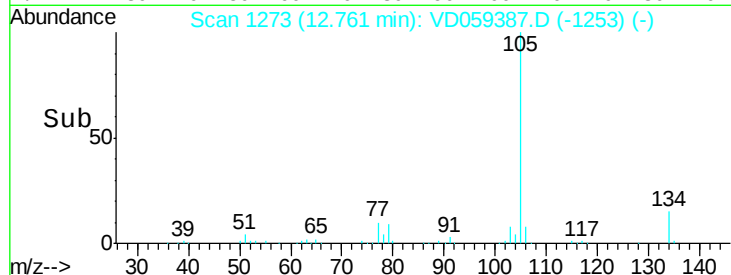
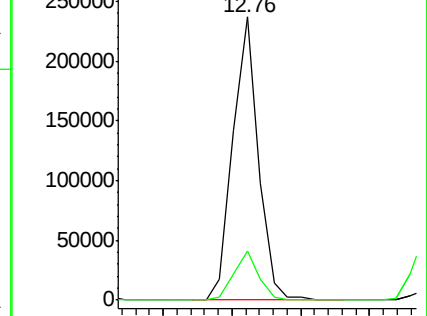
105 100

134 17.5 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: 9.98 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059387.D

Acq: 25 Jun 2018 00:22

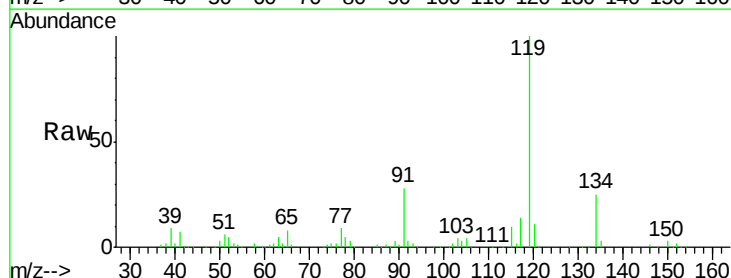
Tgt Ion:119 Resp: 251696

Ion Ratio Lower Upper

119 100

134 24.8 11.9 35.5

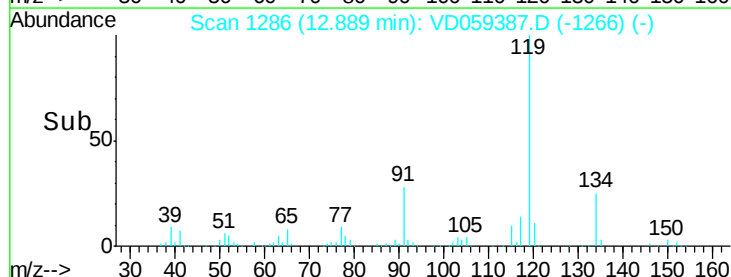
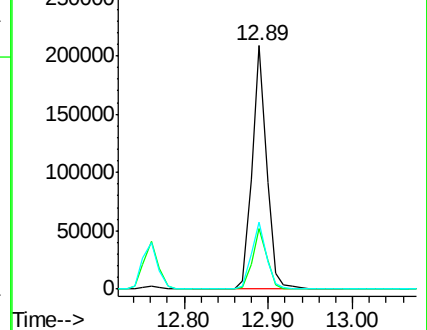
91 27.6 14.1 42.4

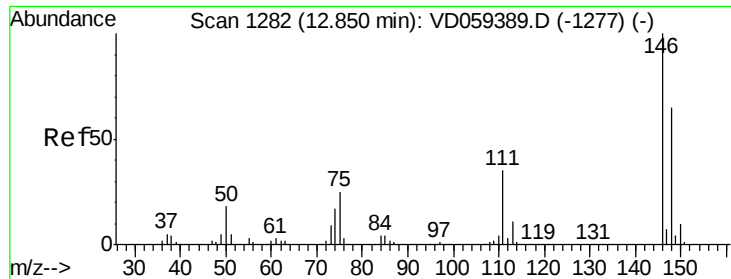


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

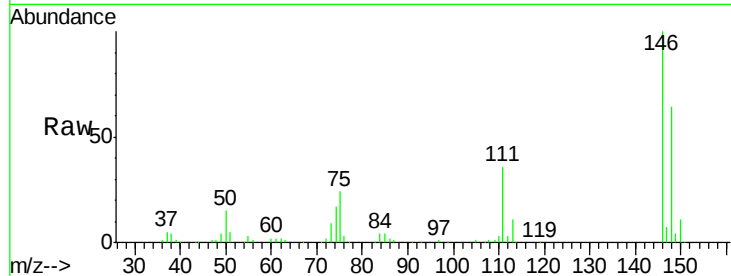




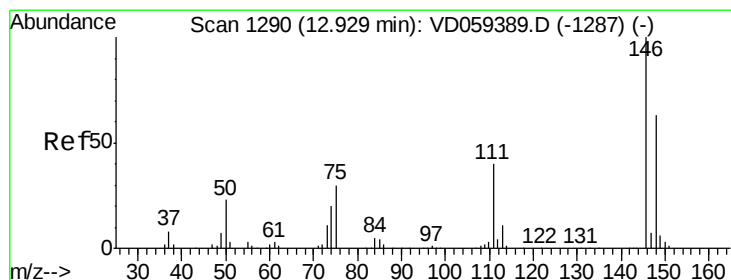
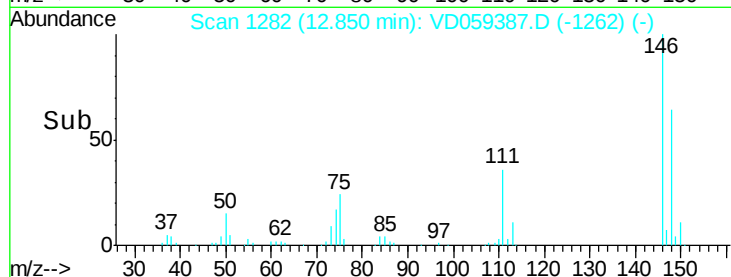
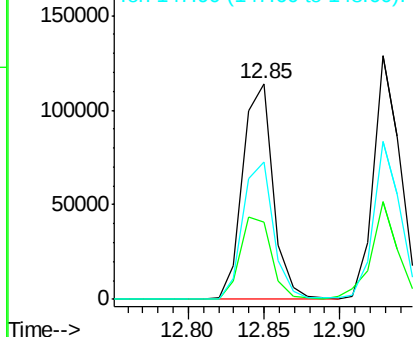
#87
 1,3-Dichlorobenzene
 Concen: 10.36 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 159480
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.6 52.8
 148 63.6 32.4 97.2

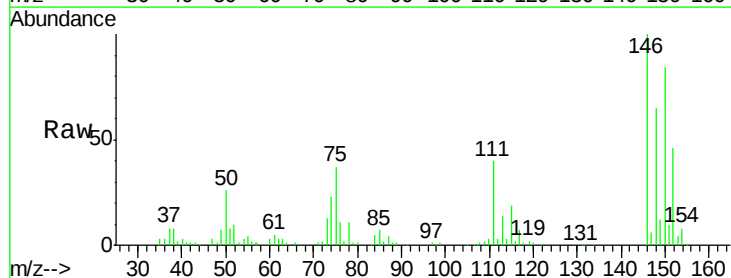


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

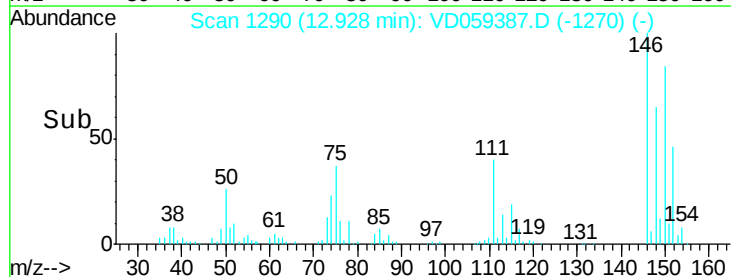
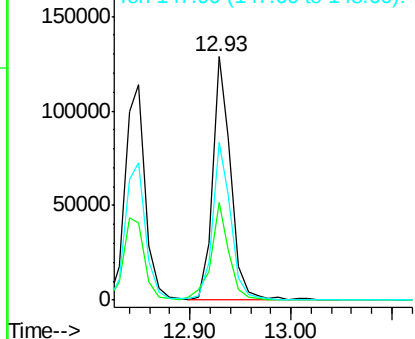


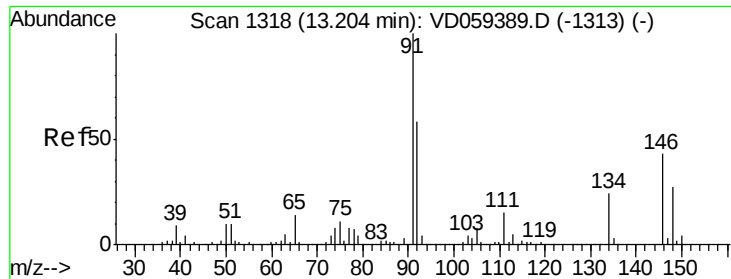
#88
 1,4-Dichlorobenzene
 Concen: 10.85 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Tgt Ion:146 Resp: 163009
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.1 60.2
 148 64.9 31.4 94.0



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

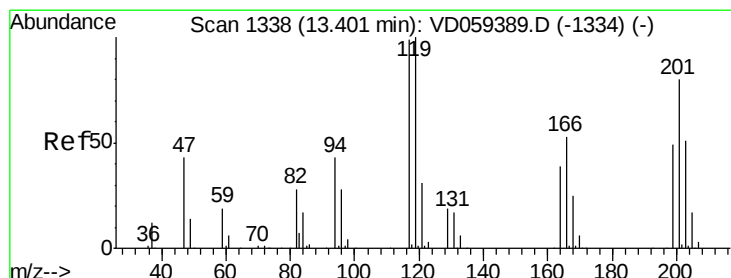
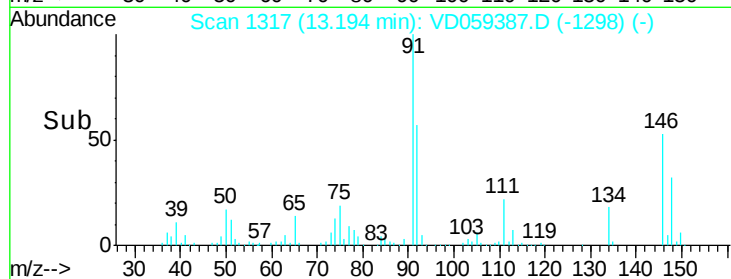
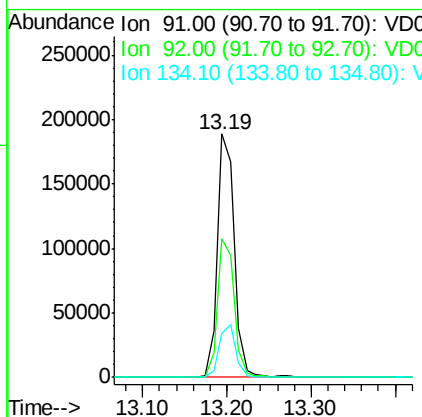
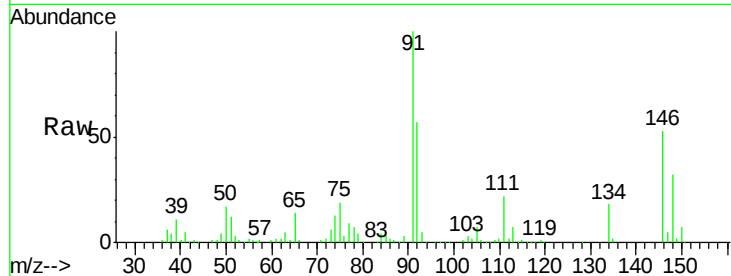




#89
n-Butylbenzene
Concen: 10.05 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

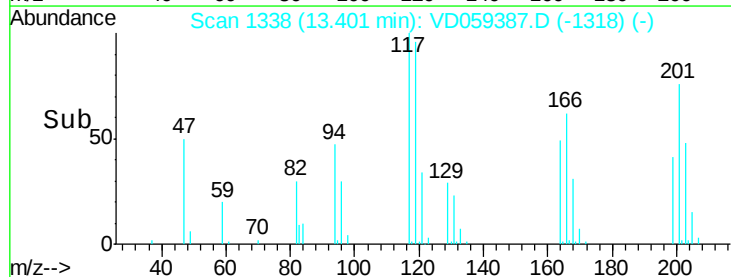
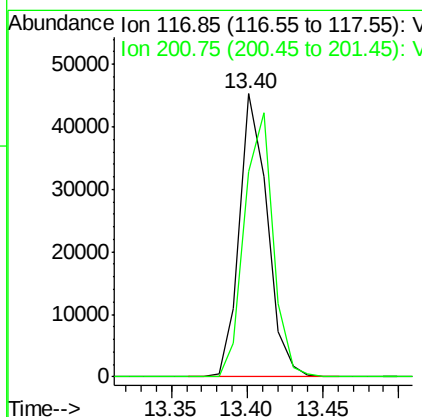
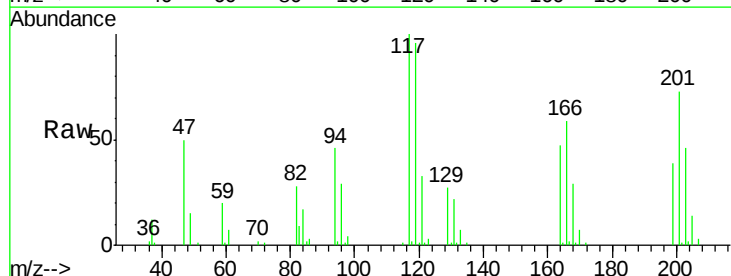
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

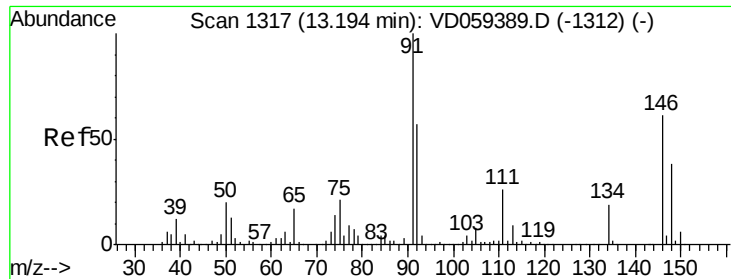
Tot Ion: 91 Resp: 262775
Ion Ratio Lower Upper
91 100
92 57.0 28.8 86.5
134 18.3 11.9 35.7



#90
Hexachloroethane
Concen: 8.90 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion: 117 Resp: 57805
Ion Ratio Lower Upper
117 100
201 72.8 40.1 120.3

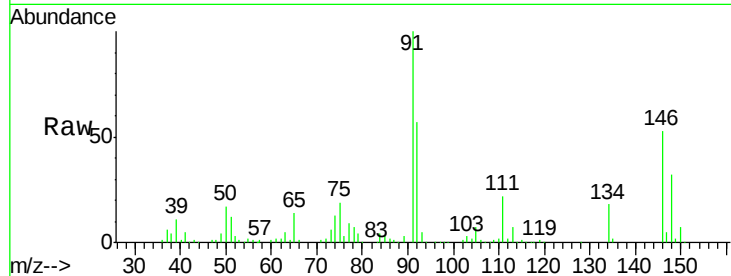




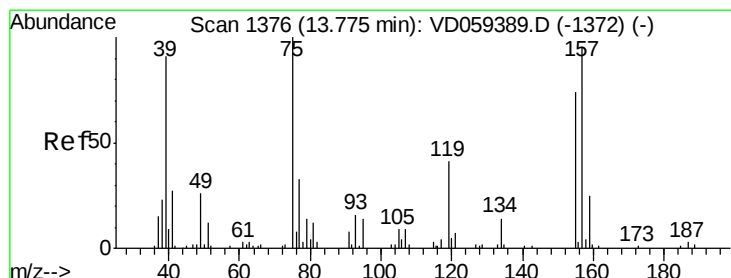
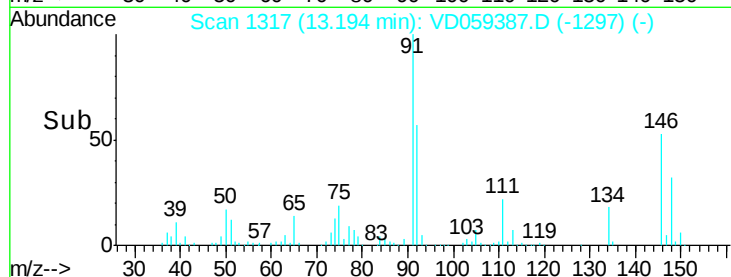
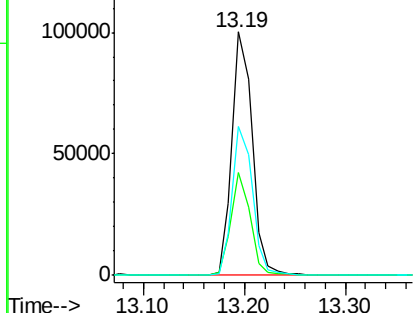
#91
 1,2-Dichlorobenzene
 Concen: 10.79 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 140279
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.4 64.2
 148 61.1 31.6 95.0

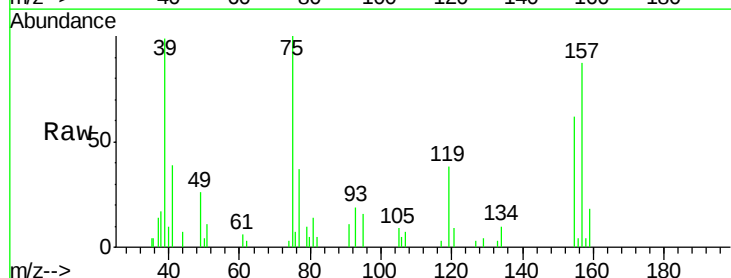


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

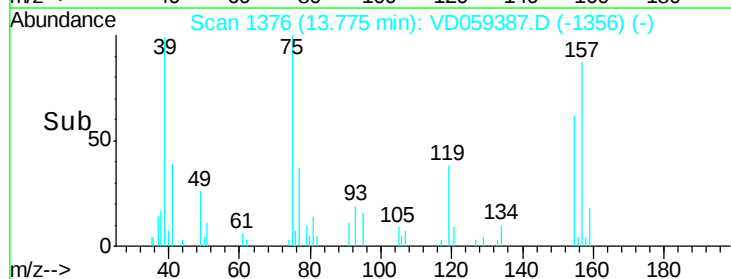
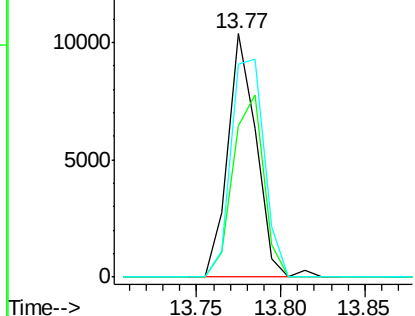


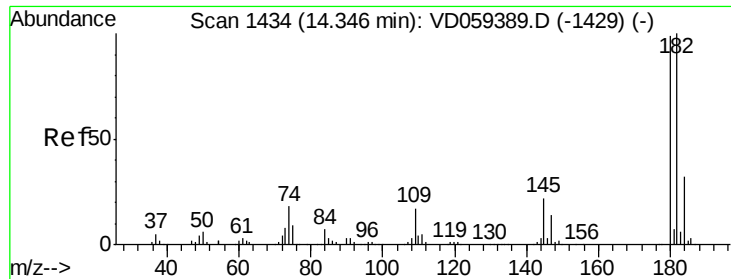
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.13 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Tgt Ion: 75 Resp: 12136
 Ion Ratio Lower Upper
 75 100
 155 62.4 37.2 111.6
 157 87.4 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

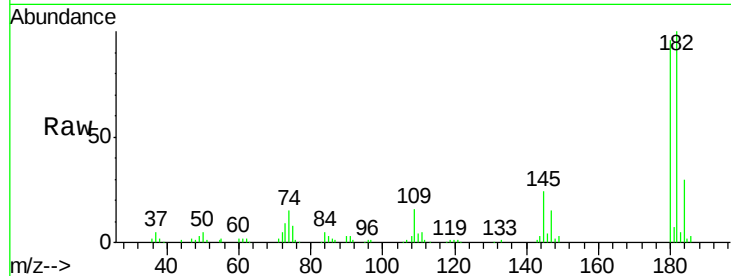




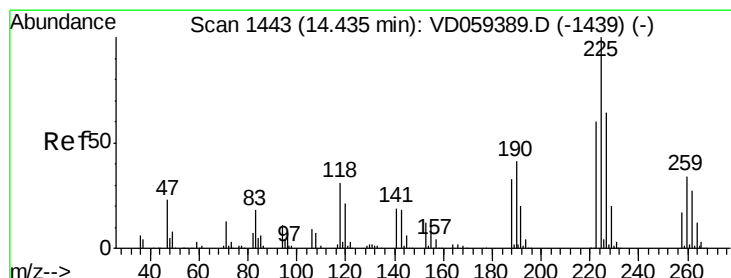
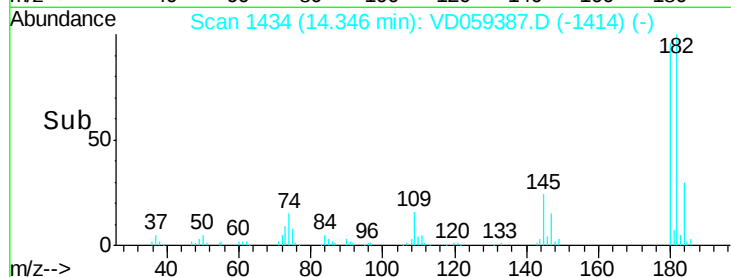
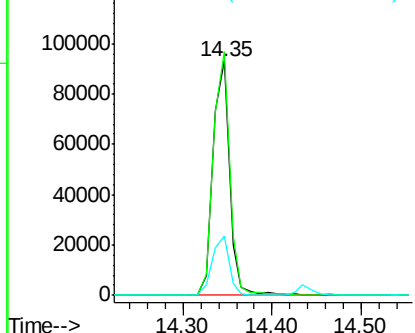
#93
 1,2,4-Trichlorobenzene
 Concen: 9.74 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 120346
 Ion Ratio Lower Upper
 180 100
 182 104.0 50.4 151.2
 145 25.1 11.0 33.0

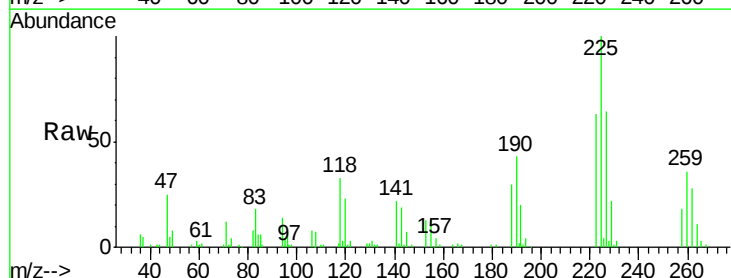


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

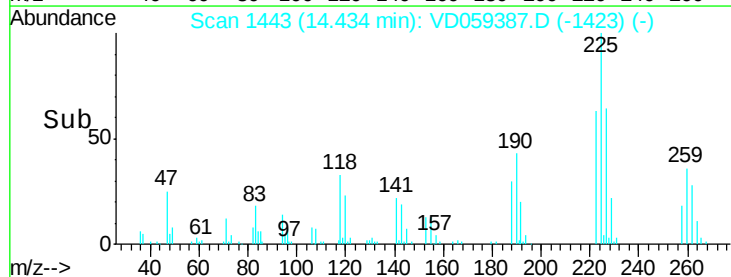
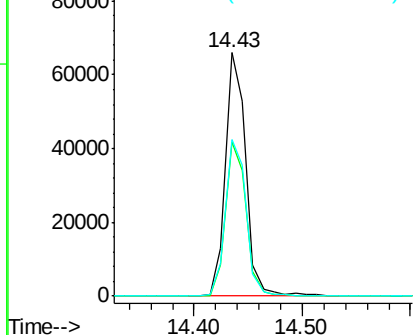


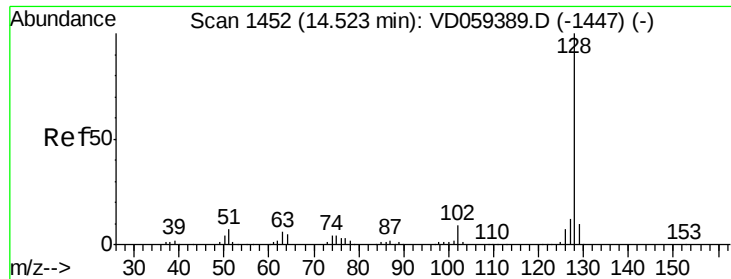
#94
 Hexachlorobutadiene
 Concen: 8.81 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059387.D
 Acq: 25 Jun 2018 00:22

Tgt Ion:225 Resp: 85927
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.0 90.1
 227 64.2 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

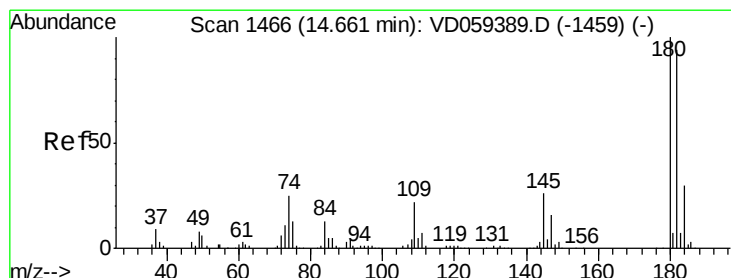
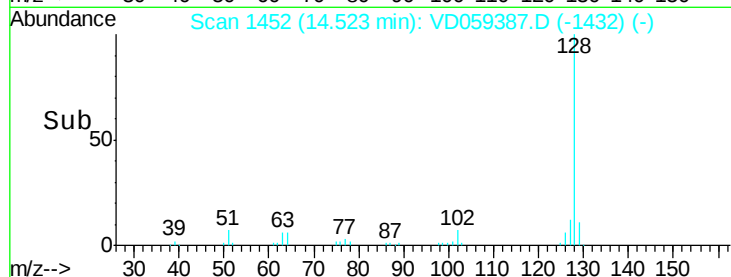
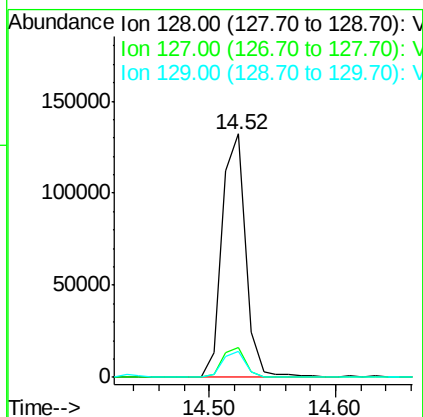
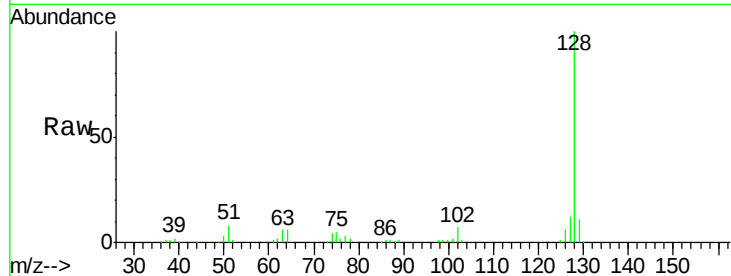




#95
Naphthalene
Concen: 10.60 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 172114
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 10.7 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 9.97 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059387.D
Acq: 25 Jun 2018 00:22

Tgt Ion:180 Resp: 108669
Ion Ratio Lower Upper
180 100
182 93.8 47.1 141.4
145 27.2 13.1 39.3

