

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060618\
 Data File : VD057958.D
 Acq On : 6 Jun 2018 18:22
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 07 08:20:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:19:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	924634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1253514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	998023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	512201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	100307	10.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.70%	
35) Dibromofluoromethane	5.55	113	103465	10.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.34%	
50) Toluene-d8	8.72	98	263157	11.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.82%	
62) 4-Bromofluorobenzene	11.93	95	114536	11.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	138142	11.13	ug/l	99
3) Chloromethane	1.49	50	66899	10.95	ug/l	99
4) Vinyl Chloride	1.56	62	61335	10.37	ug/l	100
5) Bromomethane	1.80	94	26079	11.25	ug/l	100
6) Chloroethane	1.89	64	27049	11.59	ug/l	95
7) Trichlorofluoromethane	2.10	101	90213	11.16	ug/l	98
8) Diethyl Ether	2.36	74	15314	10.19	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.56	101	49818	10.33	ug/l	92
10) Methyl Iodide	2.70	142	60731	9.76	ug/l	93
11) Tert butyl alcohol	3.26	59	10603	42.82	ug/l #	74
12) 1,1-Dichloroethene	2.55	96	37850	10.21	ug/l #	62
13) Acrolein	2.48	56	18255	51.47	ug/l	99
14) Allyl chloride	2.93	41	88039	10.29	ug/l	95
15) Acrylonitrile	3.37	53	73597	50.80	ug/l	99
16) Acetone	2.62	43	64786	48.64	ug/l	97
17) Carbon Disulfide	2.76	76	138671	10.32	ug/l	97
18) Methyl Acetate	2.95	43	24448	9.49	ug/l #	86
19) Methyl tert-butyl Ether	3.41	73	167401	10.26	ug/l	95
20) Methylene Chloride	3.07	84	46927	10.31	ug/l	96
21) trans-1,2-Dichloroethene	3.40	96	91528	11.08	ug/l	99
22) Diisopropyl ether	4.08	45	360118	10.63	ug/l	97
23) Vinyl Acetate	4.02	43	858926	49.05	ug/l	98
24) 1,1-Dichloroethane	3.98	63	198665	10.67	ug/l #	96
25) 2-Butanone	4.84	43	145172	47.96	ug/l	96
26) 2,2-Dichloropropane	4.81	77	161195	10.51	ug/l	99
27) cis-1,2-Dichloroethene	4.82	96	106044	10.82	ug/l	94
28) Bromochloromethane	5.15	49	87090	10.80	ug/l	94
29) Tetrahydrofuran	5.19	42	78605	49.54	ug/l	99
30) Chloroform	5.33	83	199886	10.66	ug/l	95
31) Cyclohexane	5.59	56	179939	11.19	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	154294	9.83	ug/l	98
36) 1,1-Dichloropropene	5.75	75	145345	10.52	ug/l	97
37) Ethyl Acetate	4.92	43	73498	9.75	ug/l #	94
38) Carbon Tetrachloride	5.73	117	142711	10.49	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	145632	10.64	ug/l	99
40) Benzene	6.02	78	343738	10.65	ug/l	99
41) Methacrylonitrile	5.13	41	31209	9.06	ug/l	97
42) 1,2-Dichloroethane	6.14	62	127478	9.77	ug/l	95
43) Isopropyl Acetate	7.62	43	93423	9.46	ug/l #	99
44) Trichloroethene	6.99	130	97114	10.31	ug/l	90
45) 1,2-Dichloropropane	7.36	63	91645	10.22	ug/l	94
46) Dibromomethane	7.46	93	57620	10.00	ug/l	96
47) Bromodichloromethane	7.75	83	134064	9.94	ug/l	94
48) Methyl methacrylate	7.50	41	60227	9.91	ug/l	94
49) 1,4-Dioxane	7.49	88	9735	193.43	ug/l #	75
51) 4-Methyl-2-Pentanone	8.60	43	321190	50.73	ug/l	98
52) Toluene	8.80	92	197544	10.67	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	116573	10.03	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	133528	9.75	ug/l	94
55) 1,1,2-Trichloroethane	9.45	97	61858	10.32	ug/l	94
56) Ethyl methacrylate	9.32	69	72787	9.90	ug/l	98
57) 1,3-Dichloropropane	9.67	76	103271	9.83	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	190412	51.27	ug/l	99
59) 2-Hexanone	9.79	43	235122	50.68	ug/l	99
60) Dibromochloromethane	9.96	129	77830	9.21	ug/l	93
61) 1,2-Dibromoethane	10.09	107	67053	9.73	ug/l	95
64) Tetrachloroethene	9.51	164	93086	10.43	ug/l	94
65) Chlorobenzene	10.72	112	209999	10.39	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	79471	10.24	ug/l	98
67) Ethyl Benzene	10.86	91	400365	10.97	ug/l	100
68) m/p-Xylenes	11.01	106	255603	21.48	ug/l	100
69) o-Xylene	11.40	106	130230	11.03	ug/l	94
70) Styrene	11.43	104	213695	10.93	ug/l	98
71) Bromoform	11.60	173	52811	9.04	ug/l	96
73) Isopropylbenzene	11.78	105	368396	10.86	ug/l	98
74) N-amyl acetate	11.65	43	126706	9.68	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	74911	10.13	ug/l	94
76) 1,2,3-Trichloropropane	12.11	75	82916	10.78	ug/l	94
77) Bromobenzene	12.04	156	102865	10.24	ug/l	87
78) n-propylbenzene	12.15	91	491590	11.14	ug/l	94
79) 2-Chlorotoluene	12.21	91	272562	10.82	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	292614	9.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	16011	8.40	ug/l	87
82) 4-Chlorotoluene	12.33	91	306620	11.15	ug/l	87
83) tert-Butylbenzene	12.57	119	316869	10.61	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	307103	10.80	ug/l	99
85) sec-Butylbenzene	12.75	105	378127	10.49	ug/l	99
86) p-Isopropyltoluene	12.89	119	304461	10.48	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	174644	10.28	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	173632	10.49	ug/l	97
89) n-Butylbenzene	13.19	91	334631	11.19	ug/l	96
90) Hexachloroethane	13.40	117	70904	9.56	ug/l	83
91) 1,2-Dichlorobenzene	13.19	146	151364	11.03	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	10525	9.22	ug/l	66

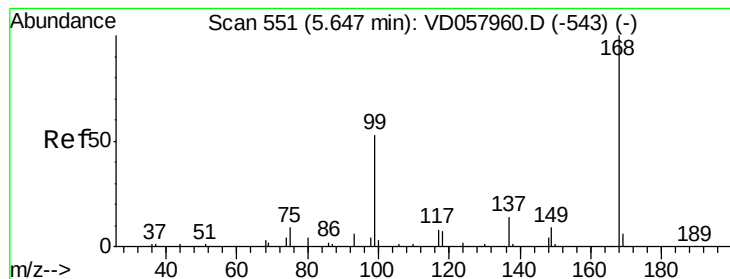
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	135199	10.54	ug/l	97
94) Hexachlorobutadiene	14.43	225	101400	10.05	ug/l	99
95) Naphthalene	14.51	128	161404	9.76	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	108386	9.92	ug/l	96

(#) = 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. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

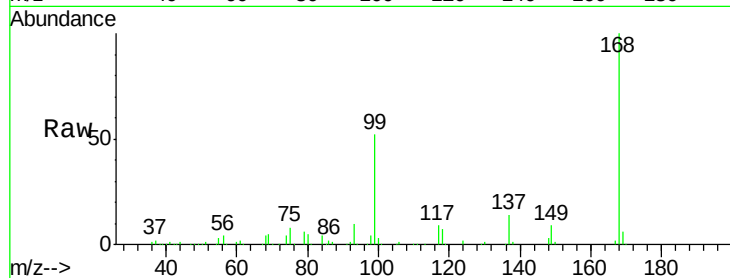
VSTDIC010

Tot Ion:168 Resp: 924634

Ion Ratio Lower Upper

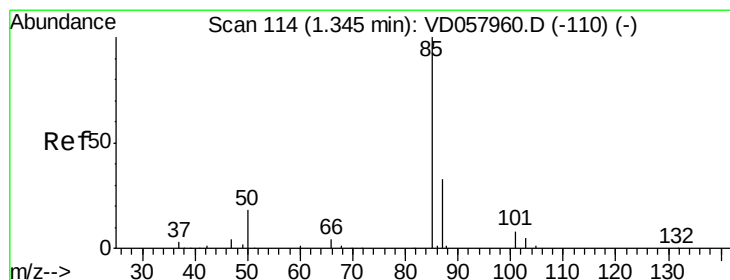
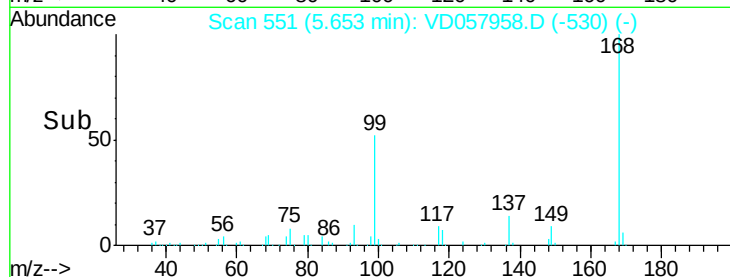
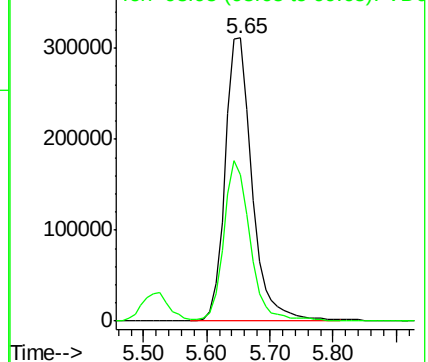
168 100

99 51.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 11.13 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD057958.D

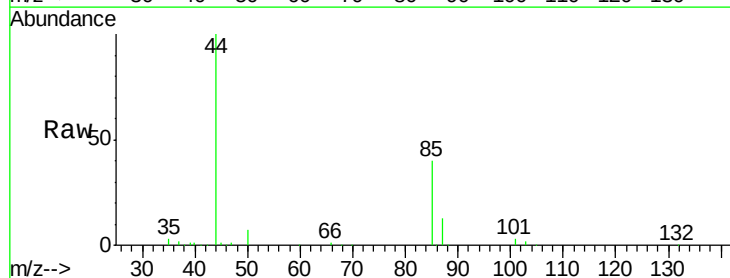
Acq: 6 Jun 2018 18:22

Tgt Ion: 85 Resp: 138142

Ion Ratio Lower Upper

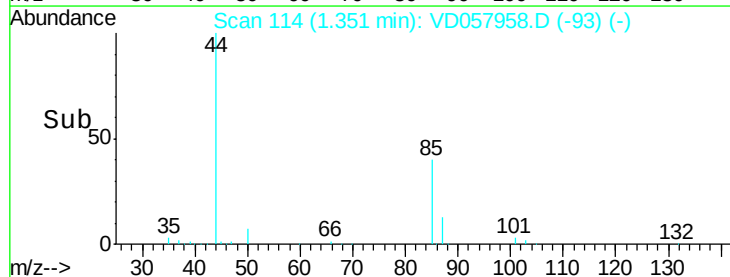
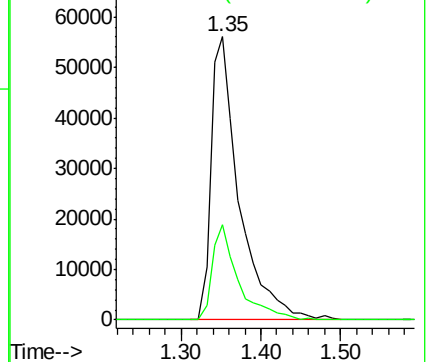
85 100

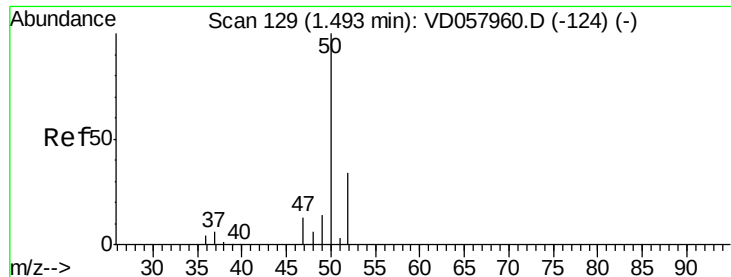
87 33.6 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.95 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

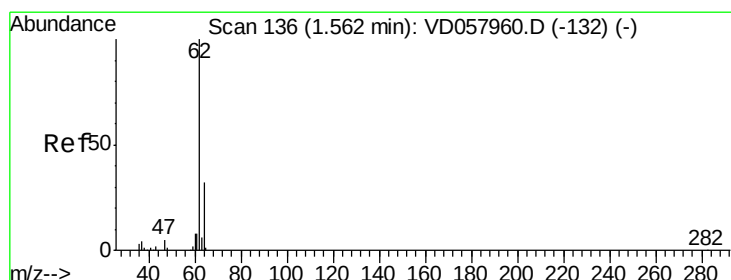
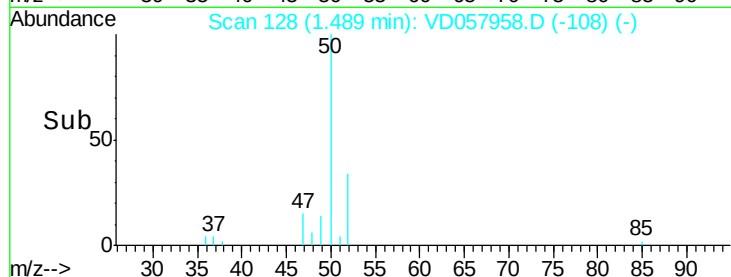
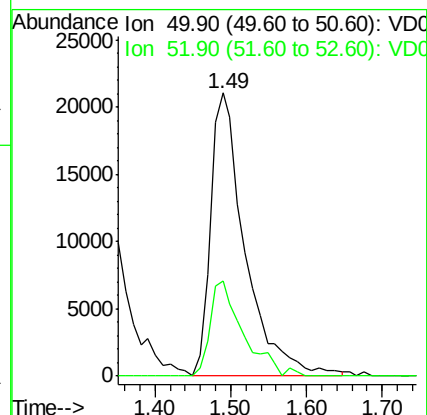
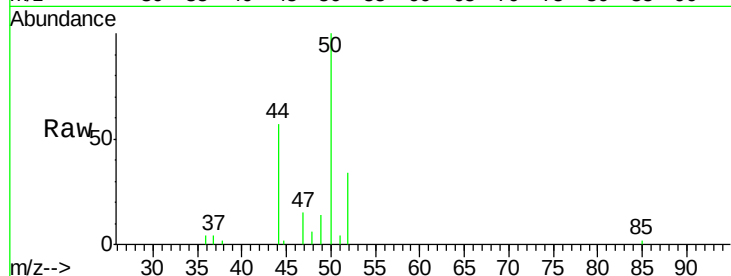
VSTDIC010

Tot Ion: 50 Resp: 66899

Ion Ratio Lower Upper

50 100

52 33.6 27.2 40.8



#4

Vinyl Chloride

Concen: 10.37 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD057958.D

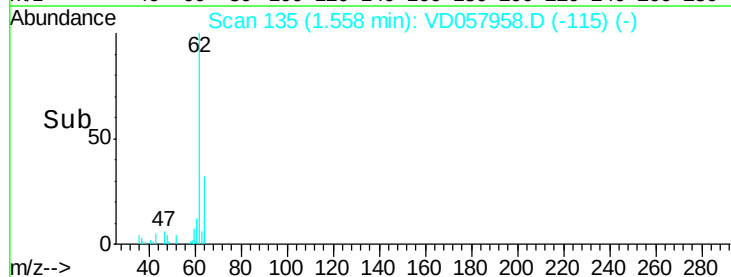
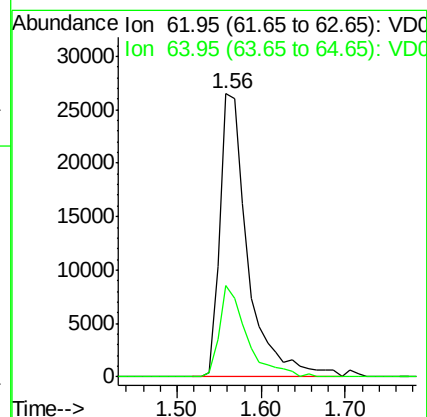
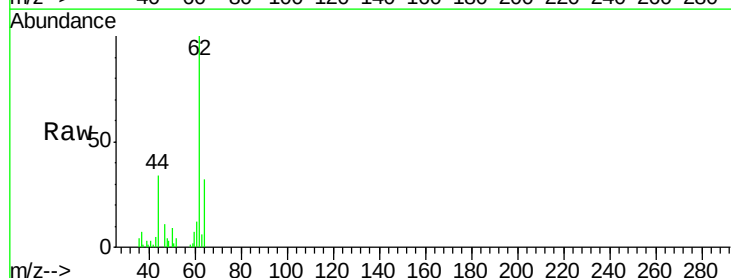
Acq: 6 Jun 2018 18:22

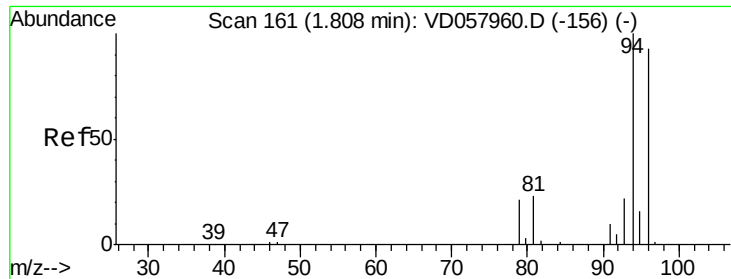
Tgt Ion: 62 Resp: 61335

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2

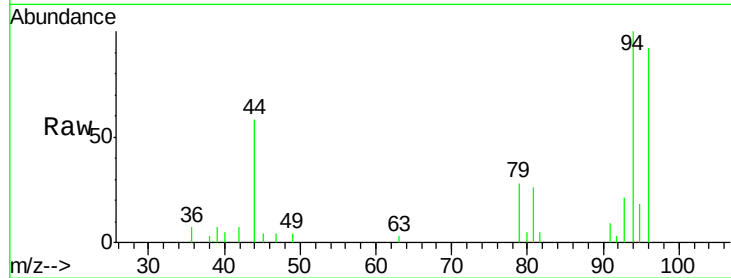




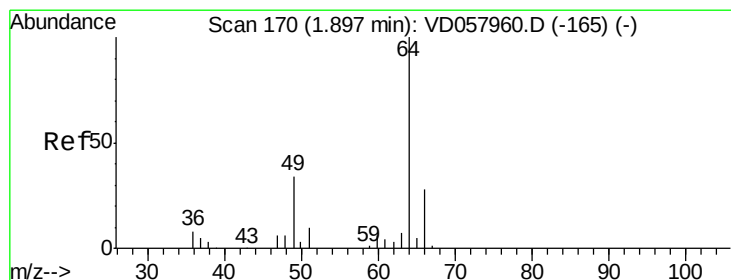
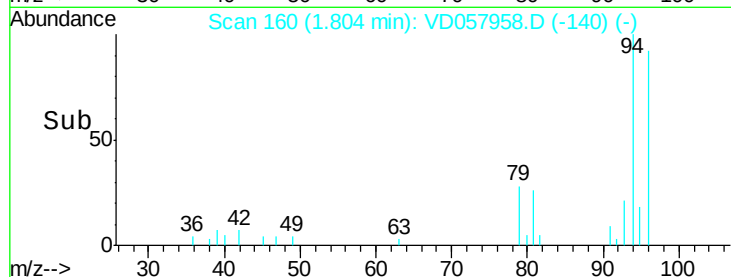
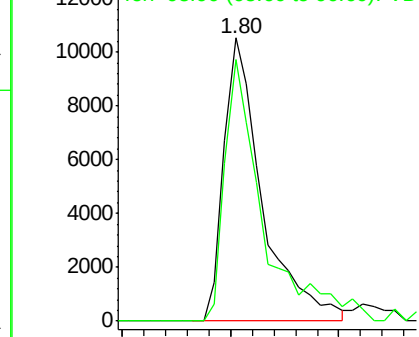
#5
Bromomethane
Concen: 11.25 ug/l
RT: 1.80 min Scan# 160
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 94 Resp: 26079
Ion Ratio Lower Upper
94 100
96 92.5 74.3 111.5

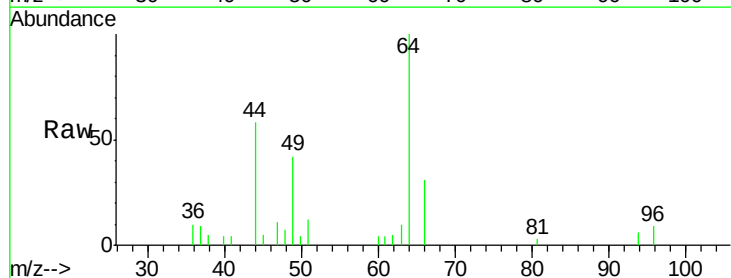


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

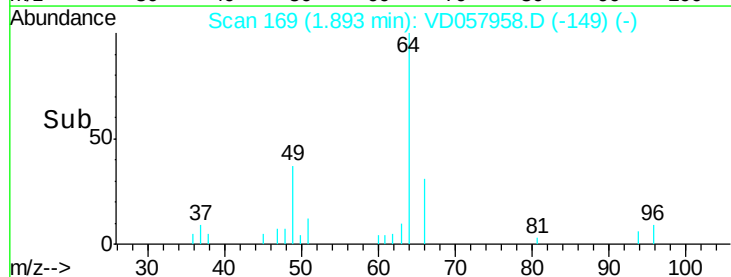
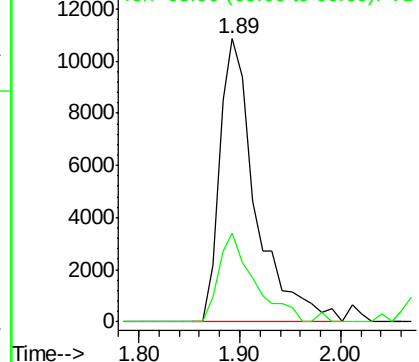


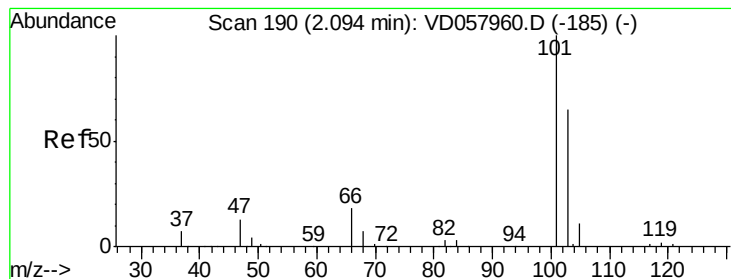
#6
Chloroethane
Concen: 11.59 ug/l
RT: 1.89 min Scan# 169
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion: 64 Resp: 27049
Ion Ratio Lower Upper
64 100
66 31.2 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



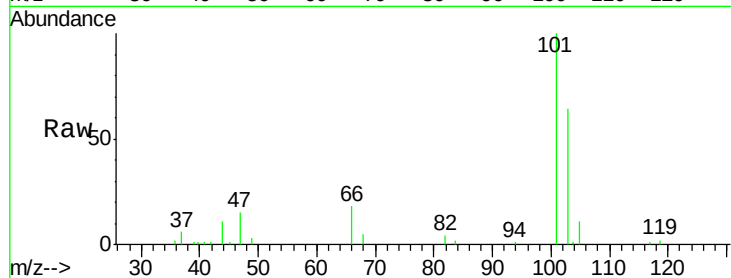


#7

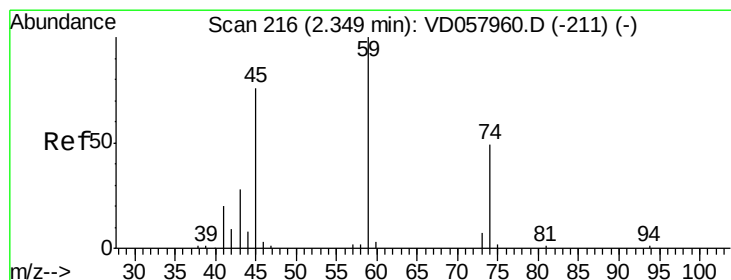
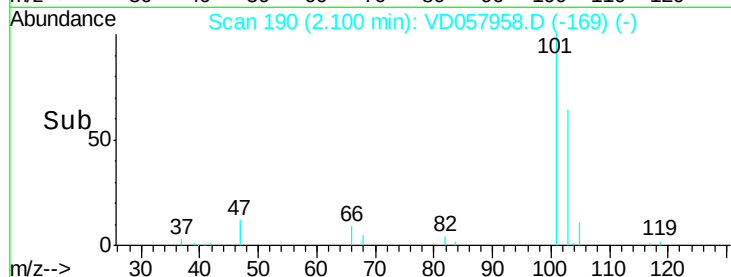
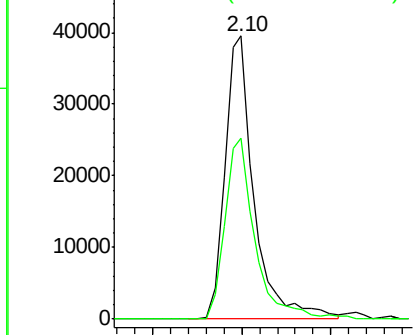
Trichlorofluoromethane
Concen: 11.16 ug/l
RT: 2.10 min Scan# 190
Delta R.T. 0.01 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 90213
Ion Ratio Lower Upper
101 100
103 63.7 52.4 78.6



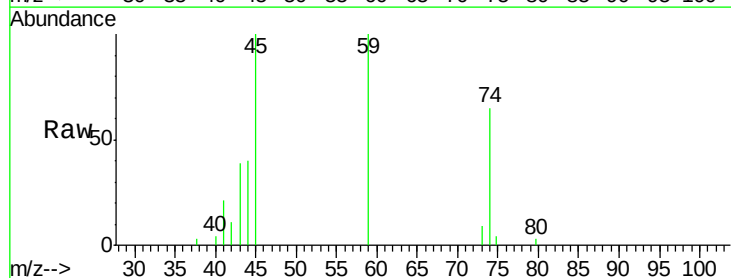
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



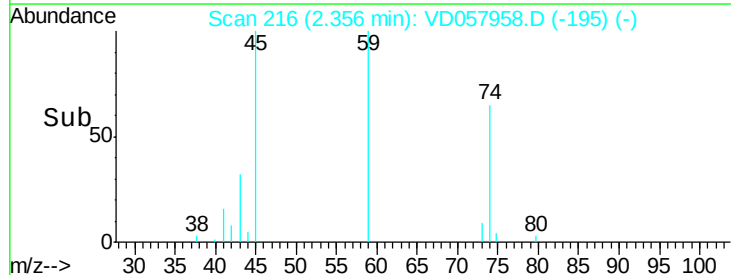
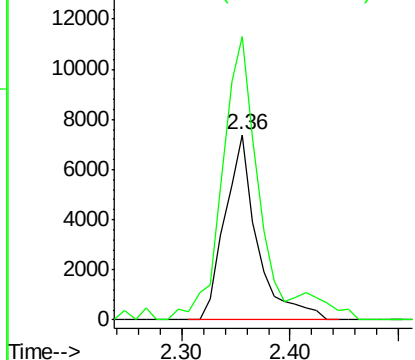
#8

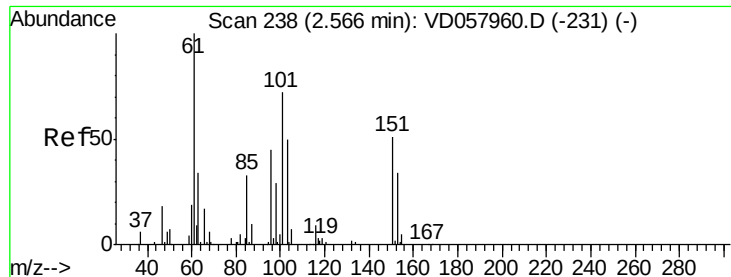
Diethyl Ether
Concen: 10.19 ug/l
RT: 2.36 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion: 74 Resp: 15314
Ion Ratio Lower Upper
74 100
45 152.9 77.1 231.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.33 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

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VSTDIC010

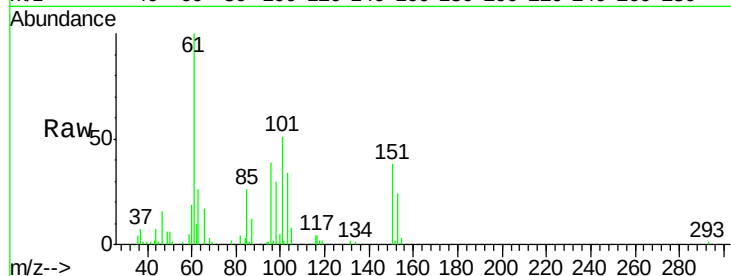
Tot Ion:101 Resp: 49818

Ion Ratio Lower Upper

101 100

85 51.0 37.3 55.9

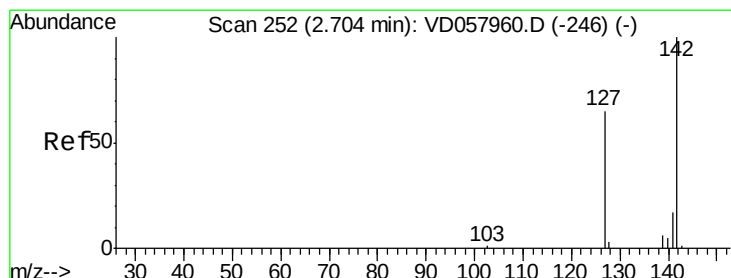
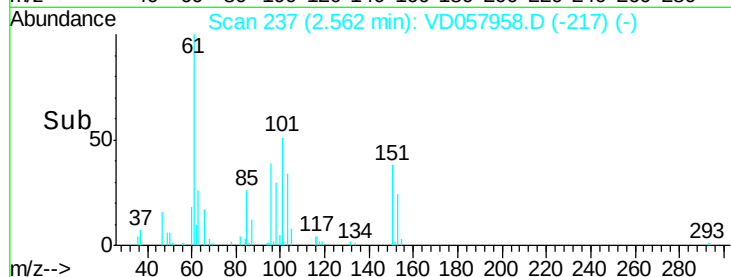
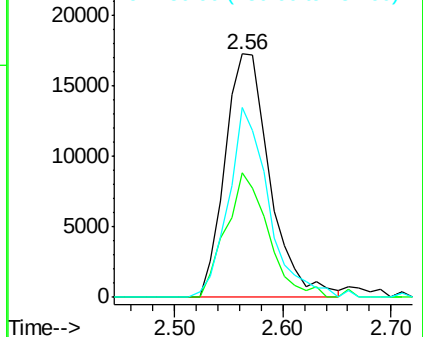
151 78.1 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 9.76 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

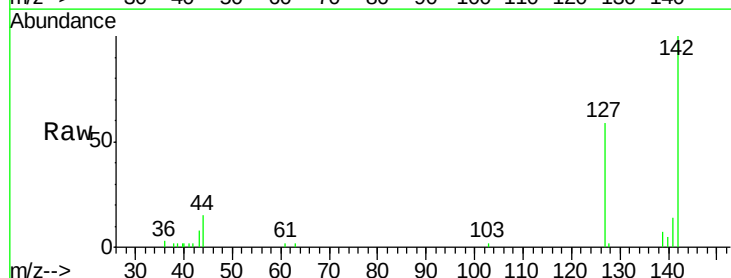
Tgt Ion:142 Resp: 60731

Ion Ratio Lower Upper

142 100

127 59.0 52.0 78.0

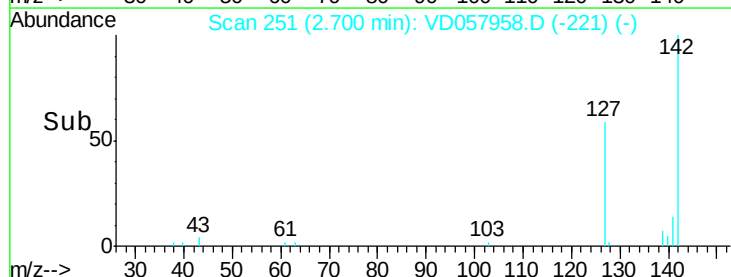
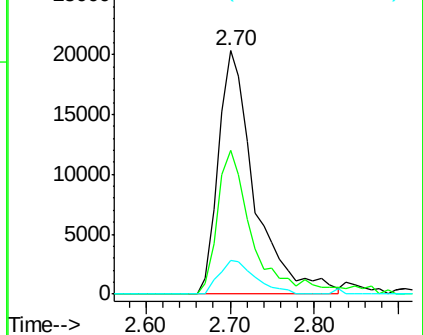
141 14.1 13.2 19.8

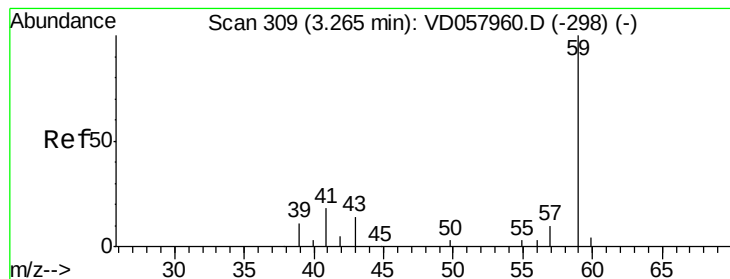


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 42.82 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

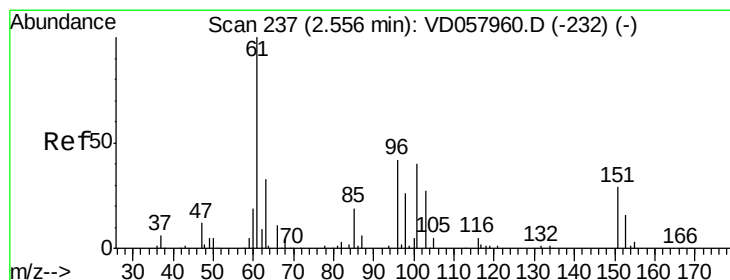
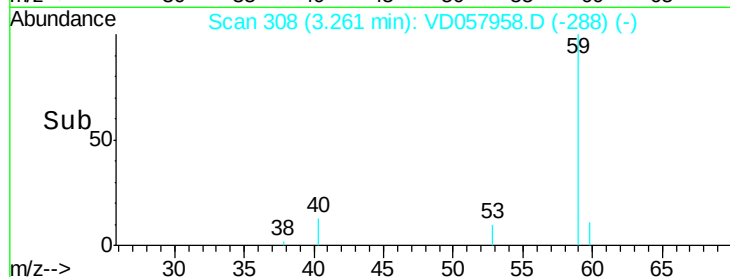
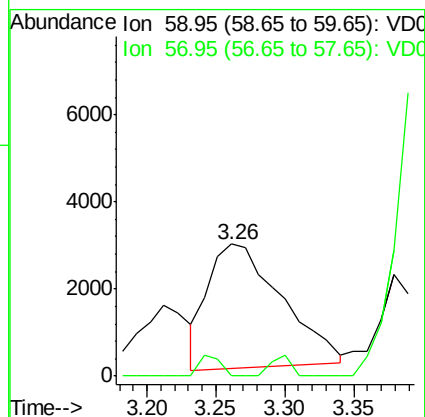
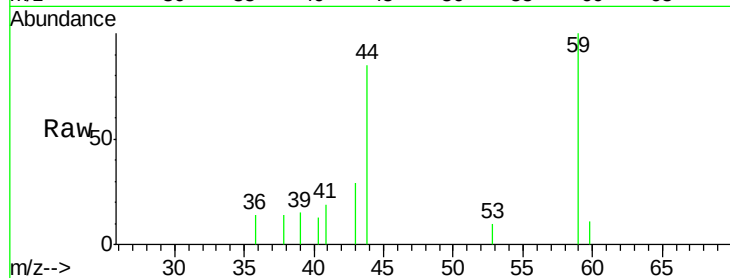
VSTDIC010

Tot Ion: 59 Resp: 10603

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#12

1,1-Dichloroethene

Concen: 10.21 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

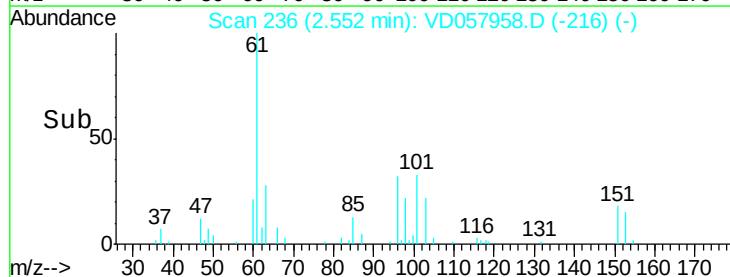
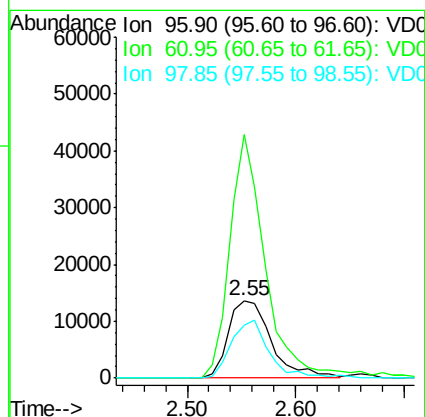
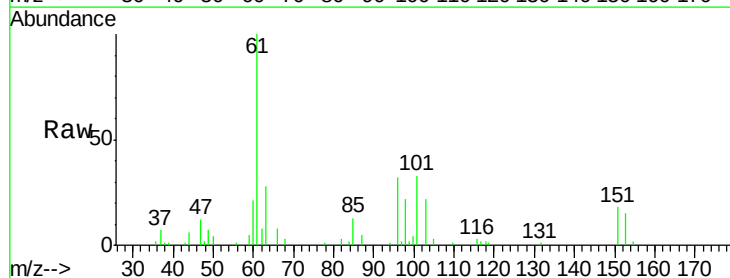
Tgt Ion: 96 Resp: 37850

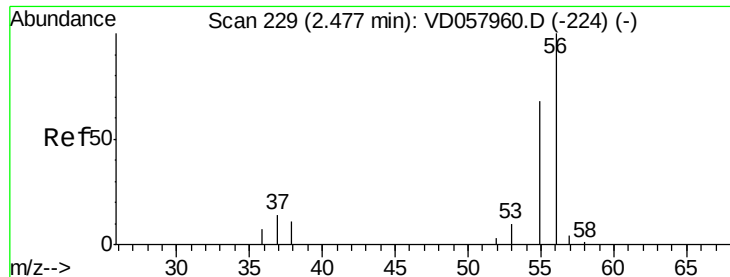
Ion Ratio Lower Upper

96 100

61 314.6 190.2 285.4#

98 68.6 49.6 74.4





#13

Acrolein

Concen: 51.47 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

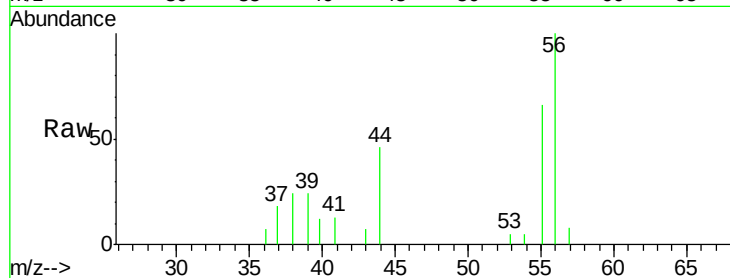
VSTDIC010

Tot Ion: 56 Resp: 18255

Ion Ratio Lower Upper

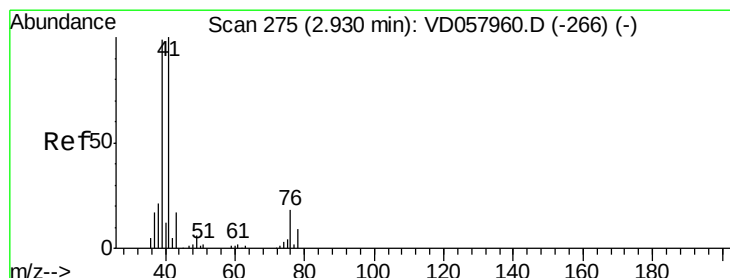
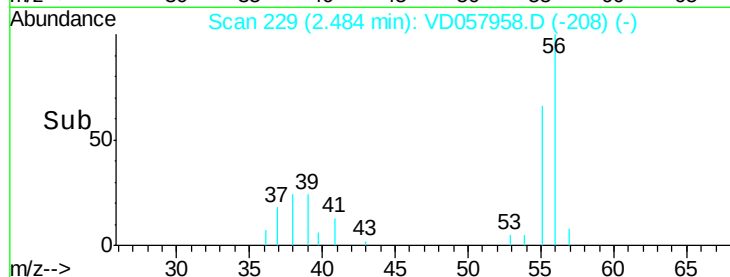
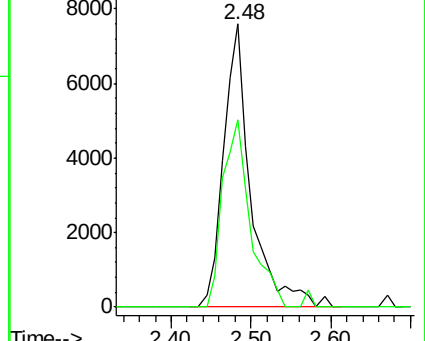
56 100

55 66.4 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.29 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

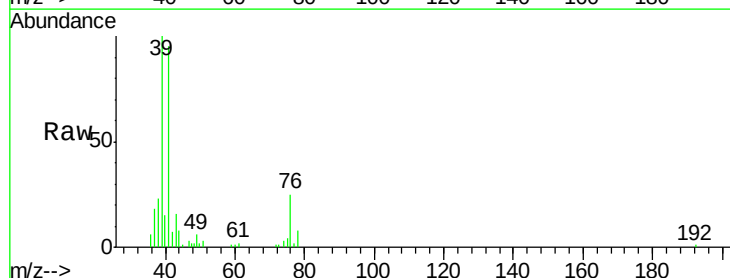
Tgt Ion: 41 Resp: 88039

Ion Ratio Lower Upper

41 100

39 105.3 79.5 119.3

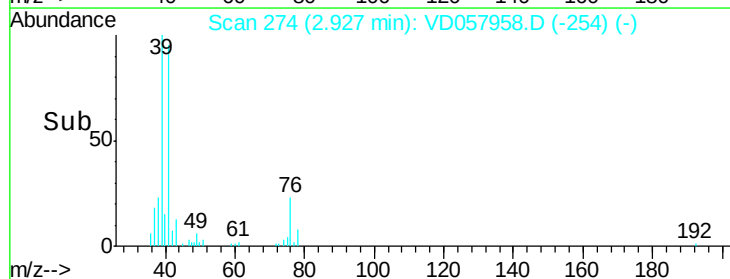
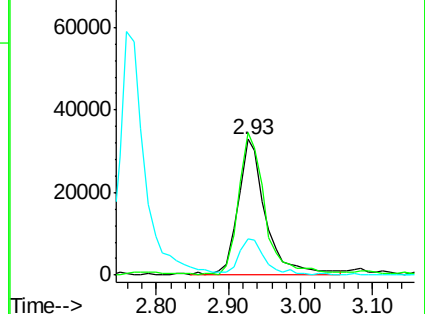
76 26.7 20.7 31.1

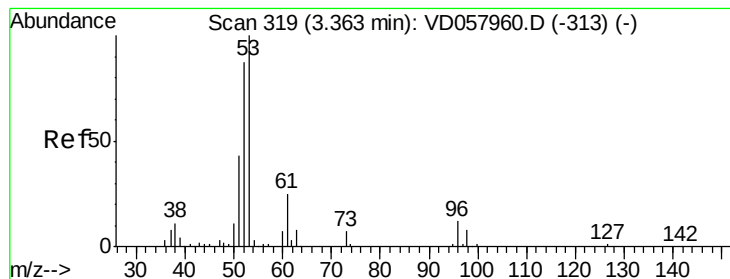


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 50.80 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

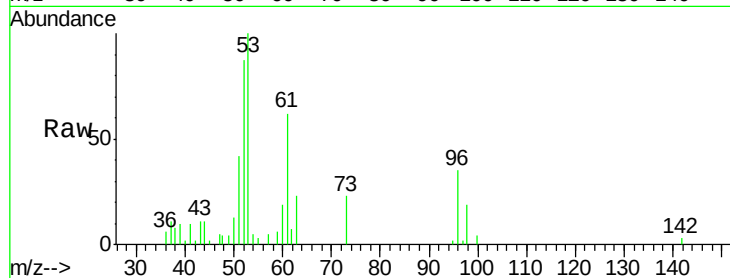
Tot Ion: 53 Resp: 73597

Ion Ratio Lower Upper

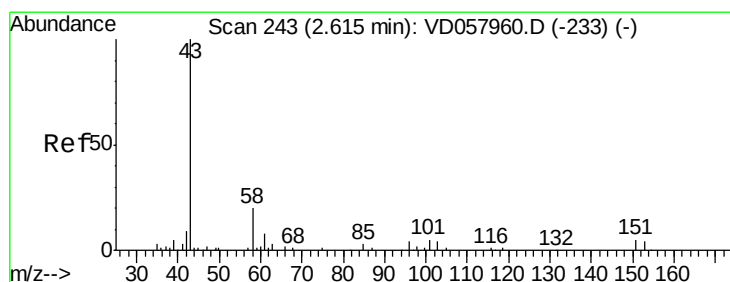
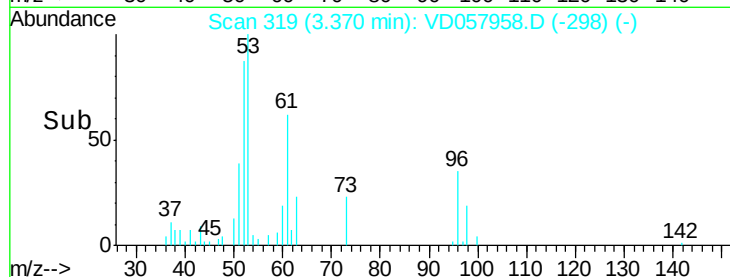
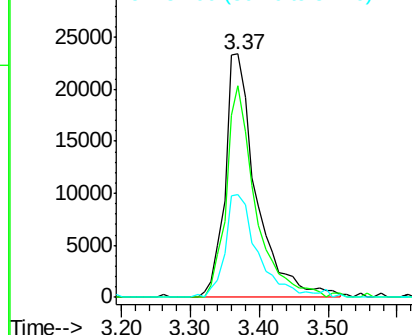
53 100

52 87.1 69.9 104.9

51 42.3 34.3 51.5



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



#16

Acetone

Concen: 48.64 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD057958.D

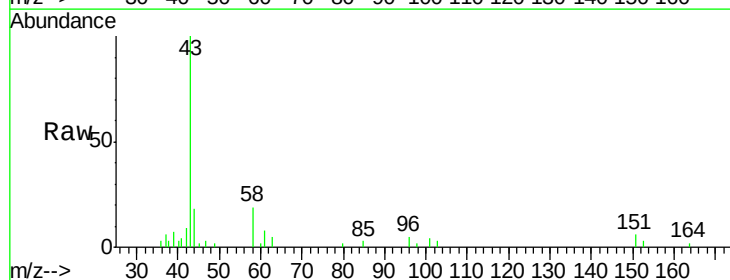
Acq: 6 Jun 2018 18:22

Tgt Ion: 43 Resp: 64786

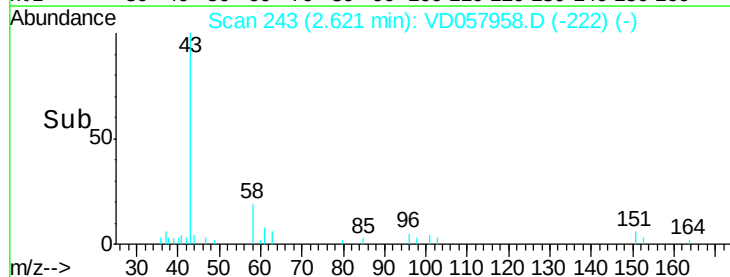
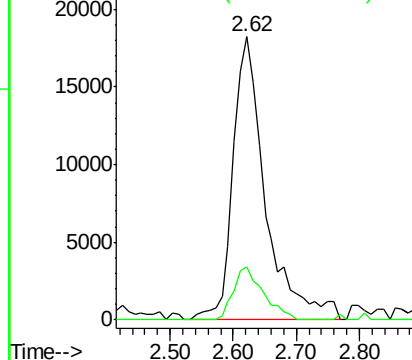
Ion Ratio Lower Upper

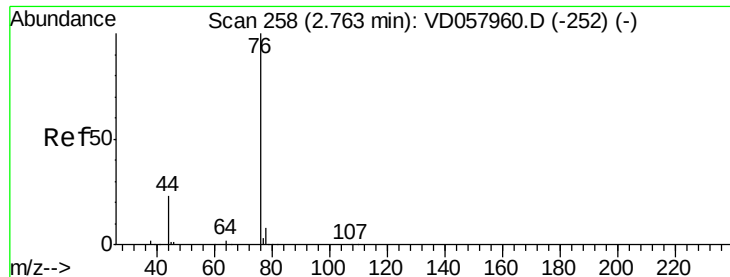
43 100

58 18.6 15.8 23.8



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





#17

Carbon Disulfide

Concen: 10.32 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

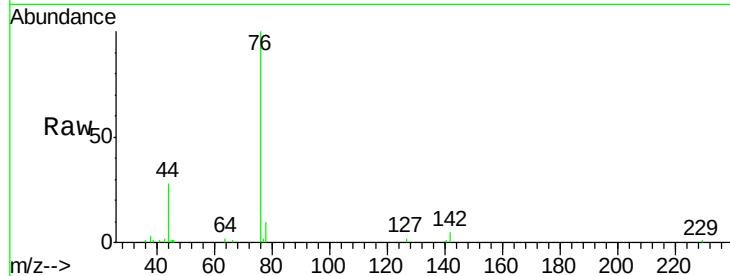
VSTDIC010

Tot Ion: 76 Resp: 138671

Ion Ratio Lower Upper

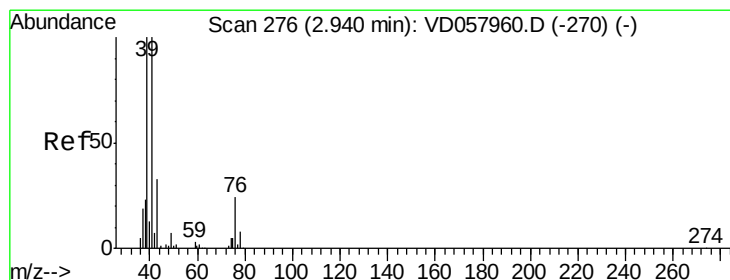
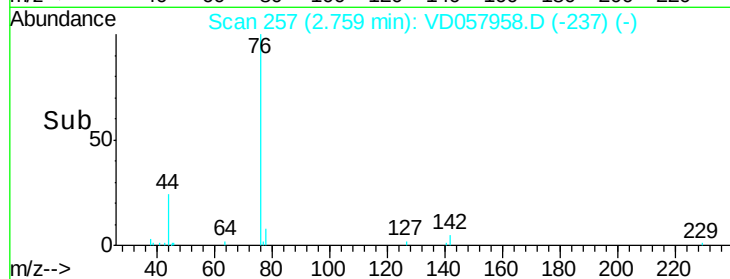
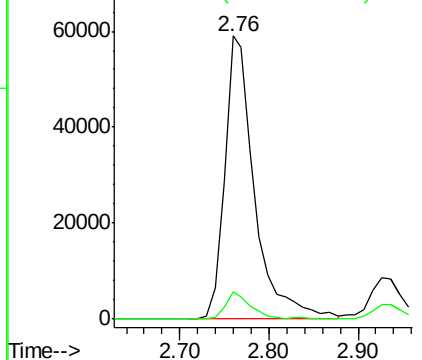
76 100

78 9.6 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 9.49 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD057958.D

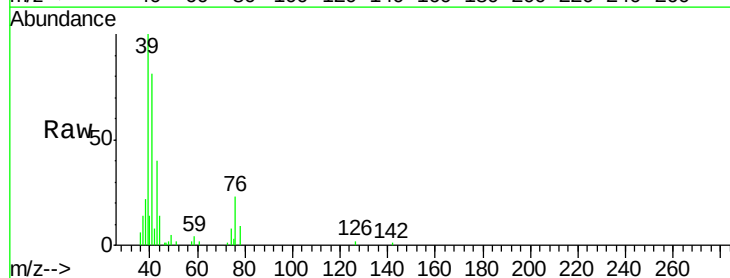
Acq: 6 Jun 2018 18:22

Tgt Ion: 43 Resp: 24448

Ion Ratio Lower Upper

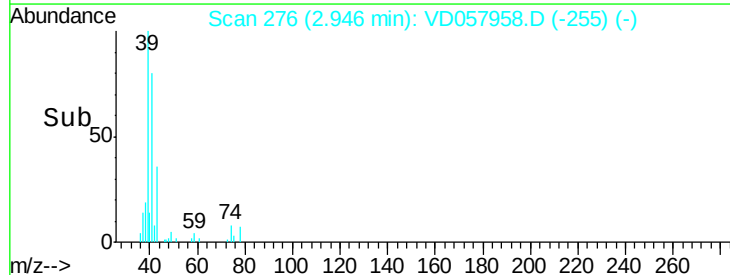
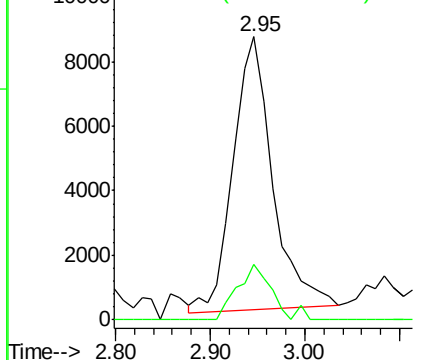
43 100

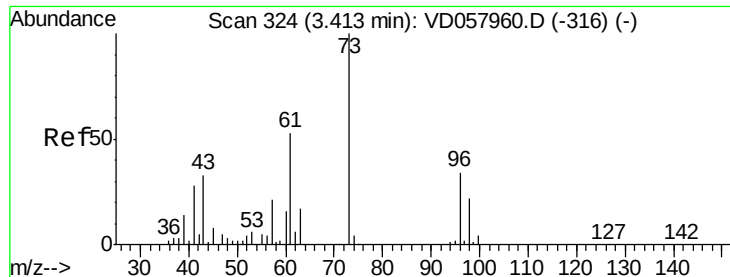
74 19.7 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



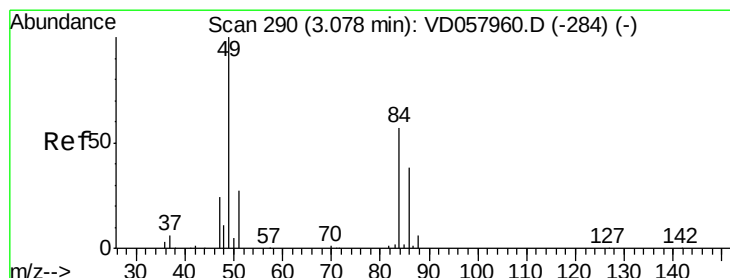
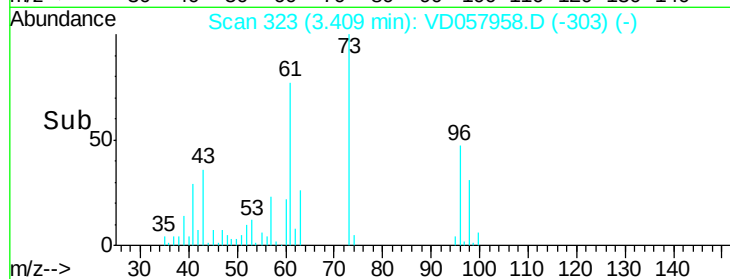
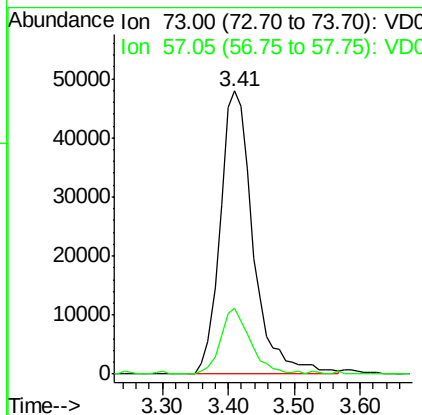
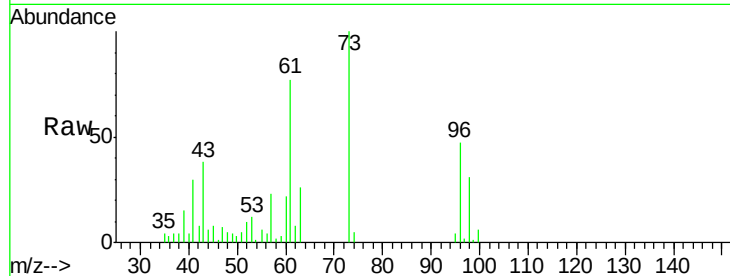


#19

Methyl tert-butyl Ether
 Concen: 10.26 ug/l
 RT: 3.41 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

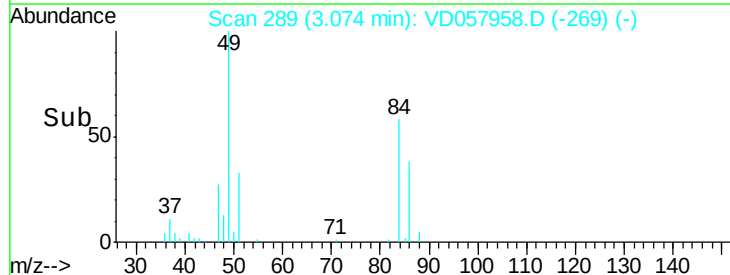
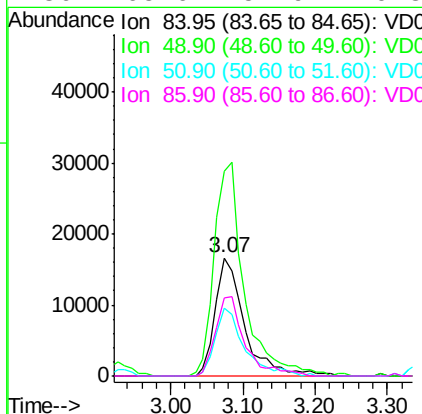
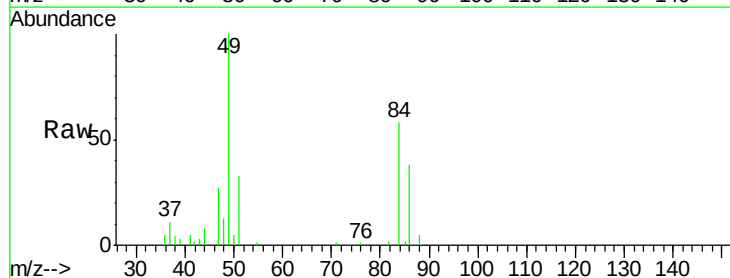
Tot Ion: 73 Resp: 167401
 Ion Ratio Lower Upper
 73 100
 57 23.1 16.7 25.1

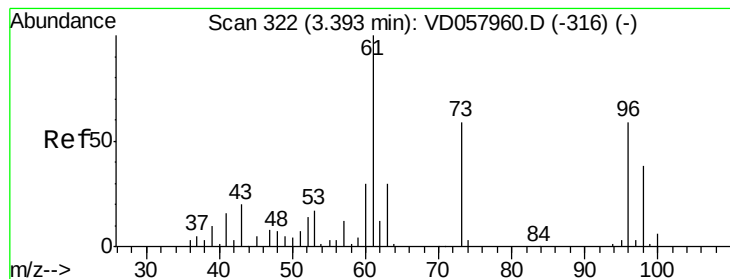


#20

Methylene Chloride
 Concen: 10.31 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Tgt Ion: 84 Resp: 46927
 Ion Ratio Lower Upper
 84 100
 49 173.1 141.4 212.0
 51 57.3 38.3 57.5
 86 65.6 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 11.08 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

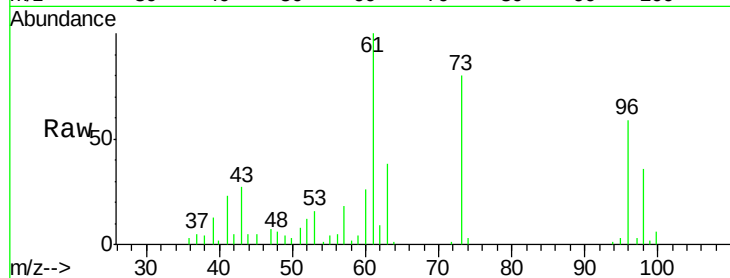
Tot Ion: 96 Resp: 91528

Ion Ratio Lower Upper

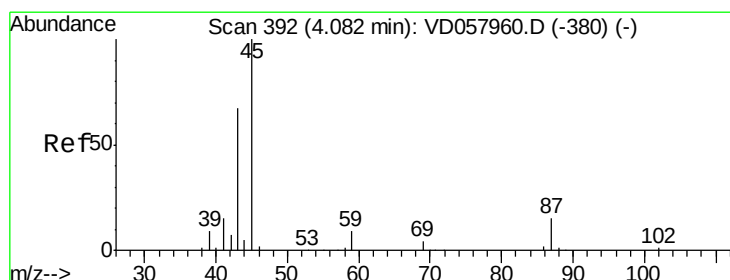
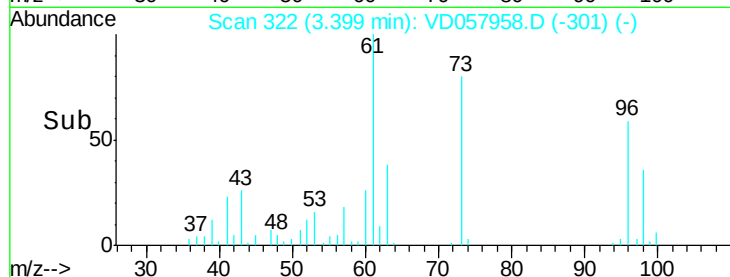
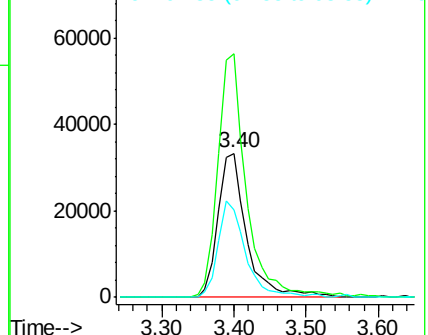
96 100

61 169.0 135.2 202.8

98 60.5 51.7 77.5



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



#22

Diisopropyl ether

Concen: 10.63 ug/l

RT: 4.08 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Tgt Ion: 45 Resp: 360118

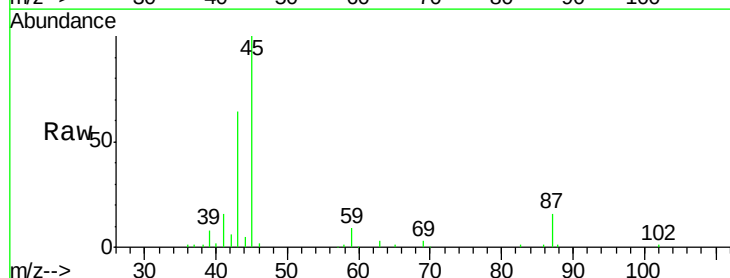
Ion Ratio Lower Upper

45 100

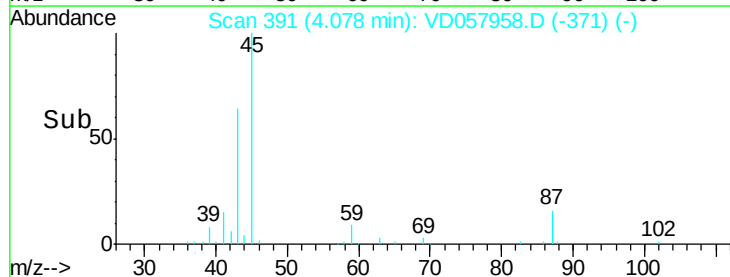
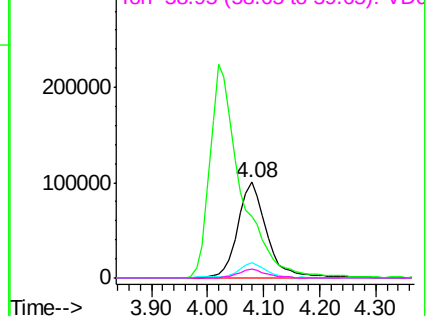
43 63.8 53.8 80.8

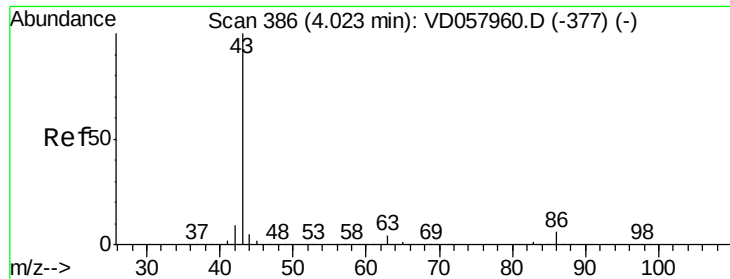
87 15.9 12.5 18.7

59 8.9 7.3 10.9



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





#23

Vinyl Acetate

Concen: 49.05 ug/l

RT: 4.02 min Scan# 385

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

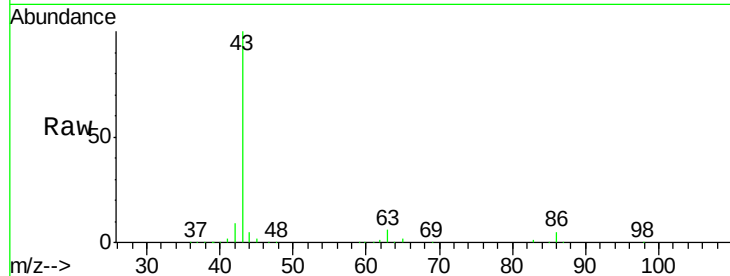
VSTDIC010

Tot Ion: 43 Resp: 858926

Ion Ratio Lower Upper

43 100

86 5.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

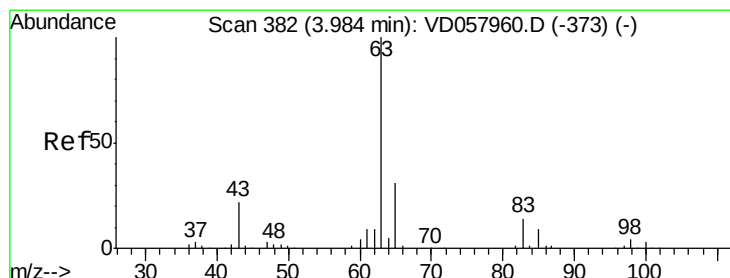
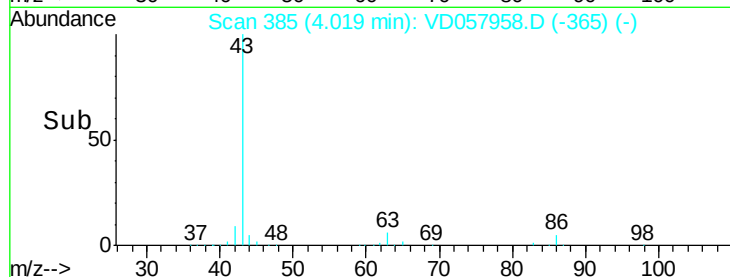
100000

50000

0

Time--> 3.80 3.90 4.00 4.10 4.20

4.02



#24

1,1-Dichloroethane

Concen: 10.67 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

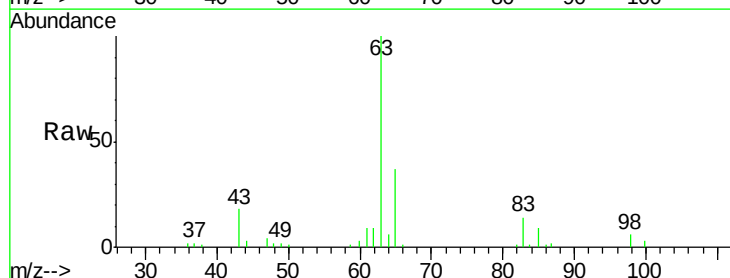
Tgt Ion: 63 Resp: 198665

Ion Ratio Lower Upper

63 100

98 6.0 2.0 5.8#

100 3.2 1.4 4.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

80000

60000

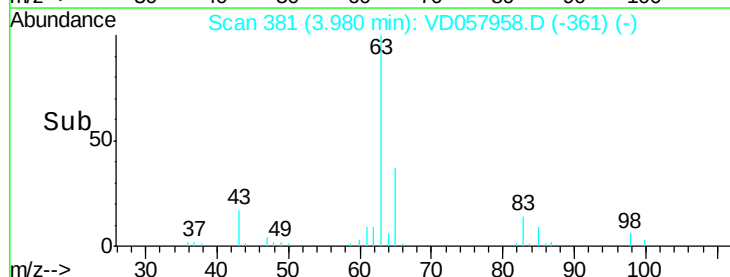
40000

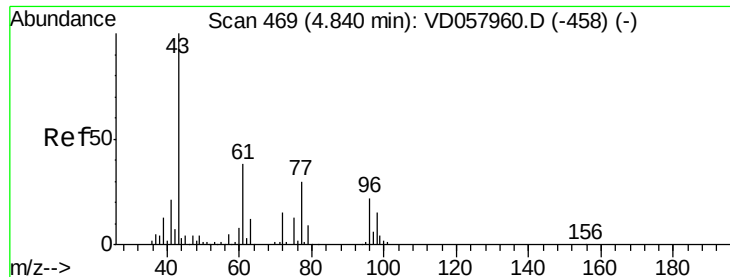
20000

0

Time--> 3.80 3.90 4.00 4.10 4.20

3.98





#25

2-Butanone

Concen: 47.96 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

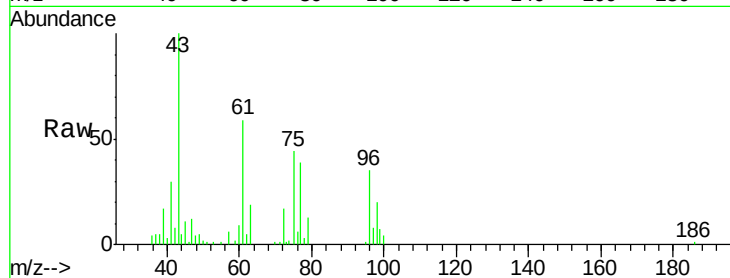
VSTDIC010

Tot Ion: 43 Resp: 145172

Ion Ratio Lower Upper

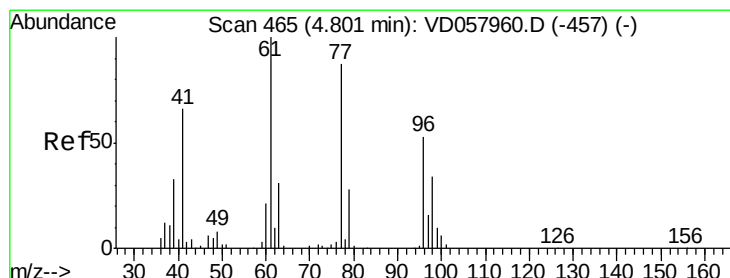
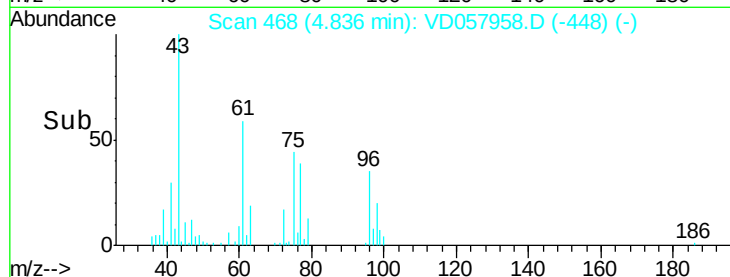
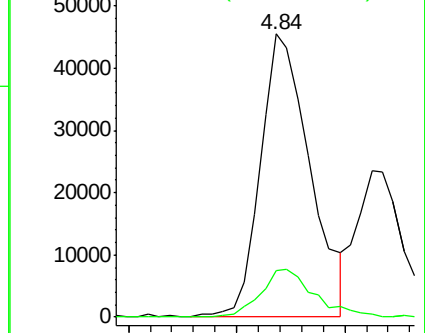
43 100

72 16.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.51 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD057958.D

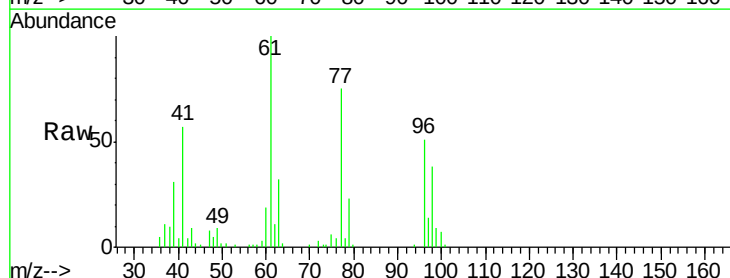
Acq: 6 Jun 2018 18:22

Tgt Ion: 77 Resp: 161195

Ion Ratio Lower Upper

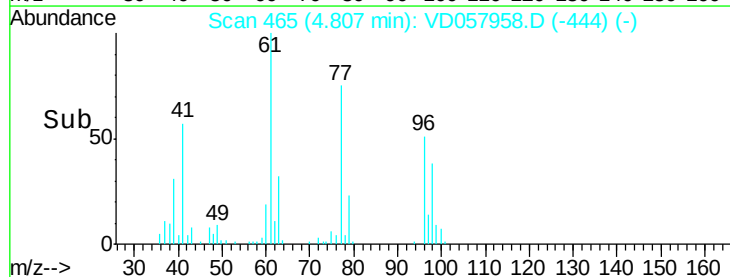
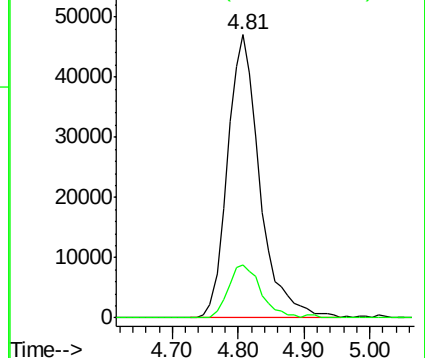
77 100

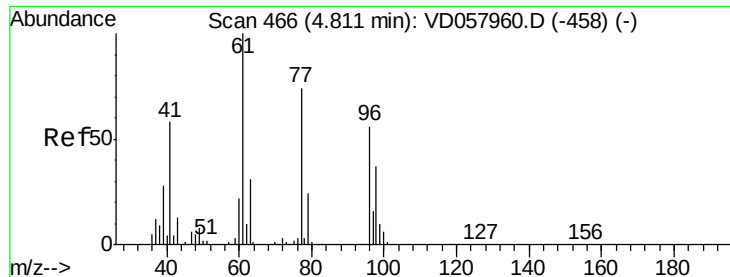
97 18.9 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 10.82 ug/l

RT: 4.82 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

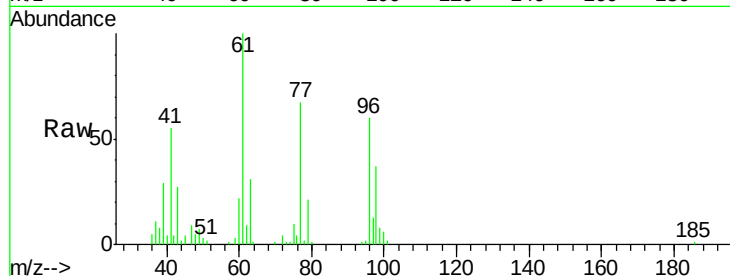
Tot Ion: 96 Resp: 106044

Ion Ratio Lower Upper

96 100

61 167.4 0.0 355.0

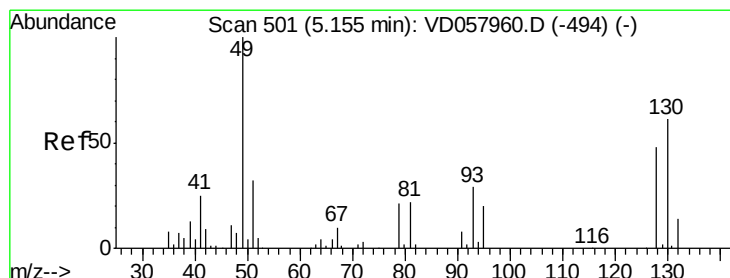
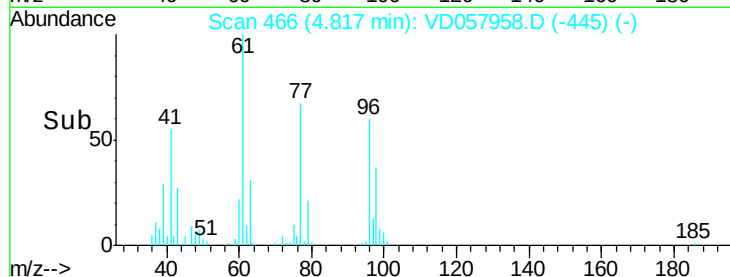
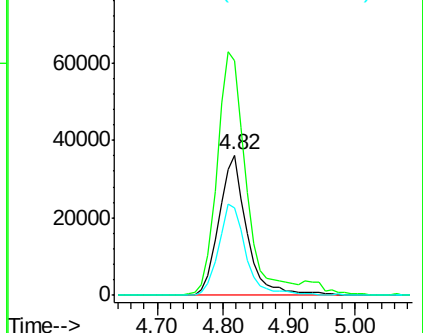
98 62.1 0.0 129.6



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: 10.80 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

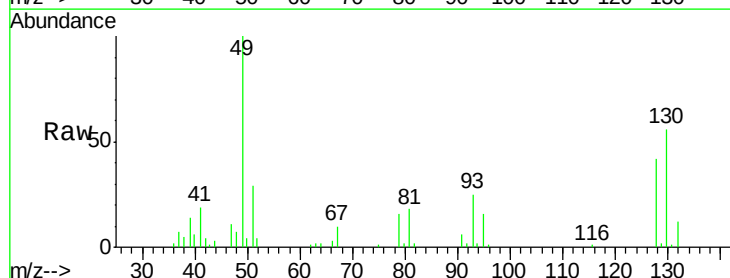
Tgt Ion: 49 Resp: 87090

Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.6

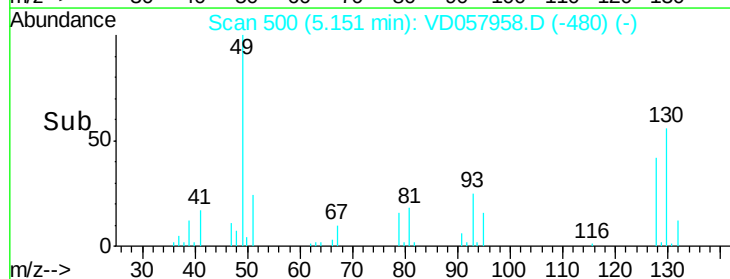
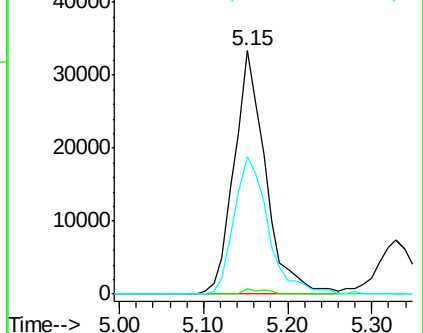
130 56.5 48.8 73.2

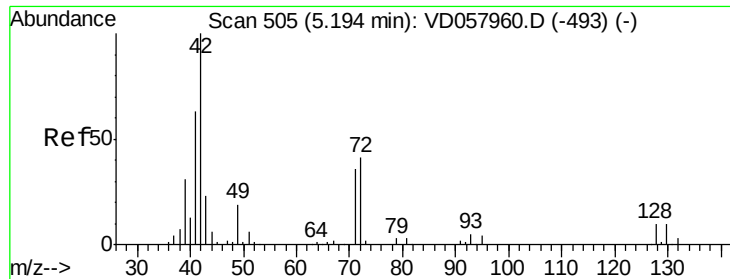


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

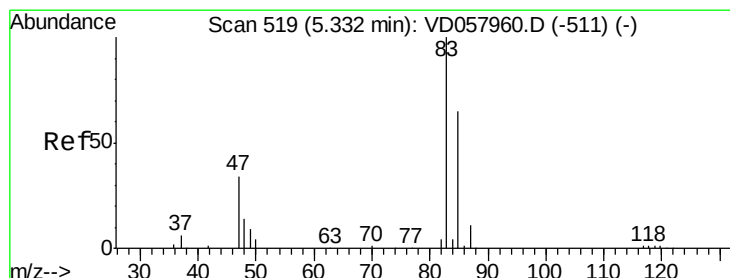
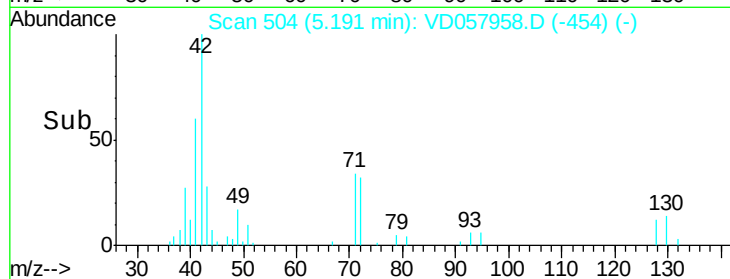
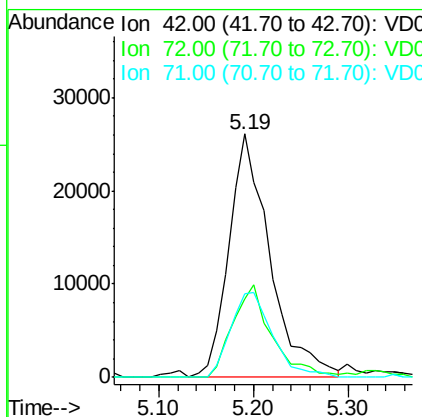
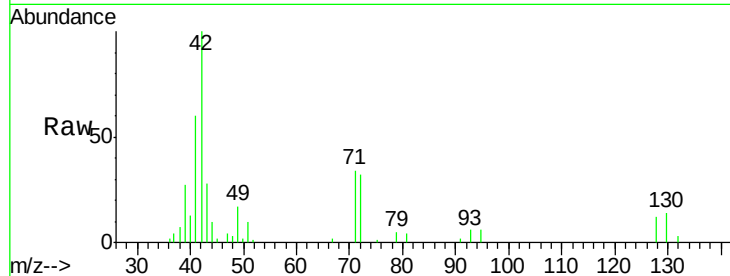




#29
Tetrahydrofuran
Concen: 49.54 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

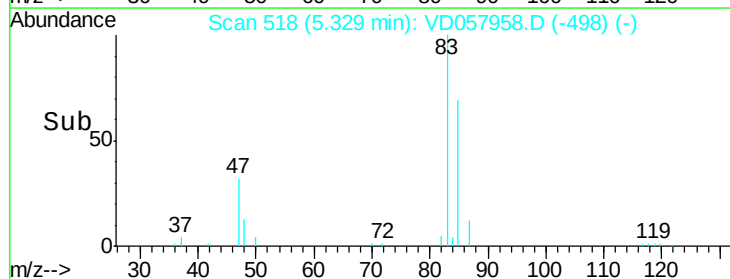
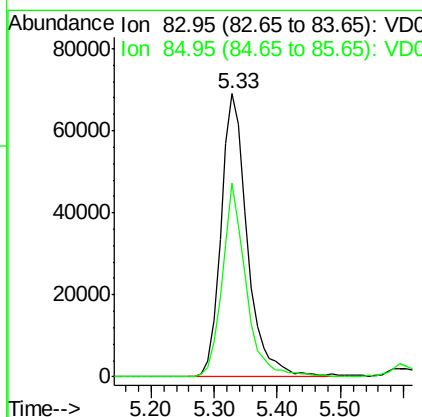
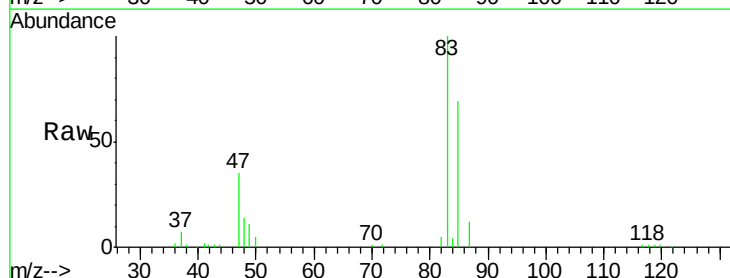
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

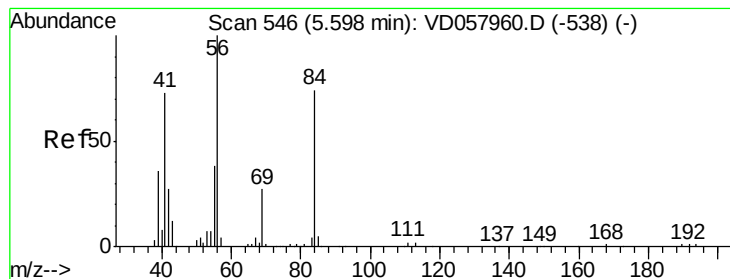
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	28.5	42.7
71	35.6	27.9	41.9



#30
Chloroform
Concen: 10.66 ug/l
RT: 5.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	51.6	77.4





#31

Cyclohexane

Concen: 11.19 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

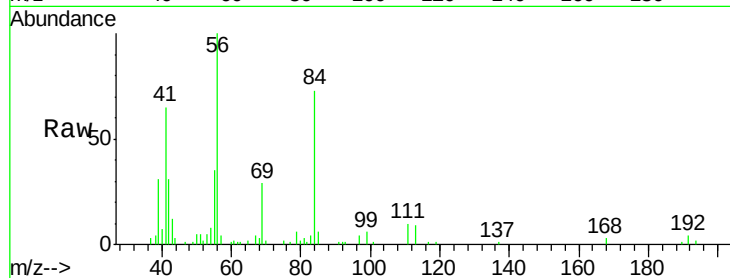
Tot Ion: 56 Resp: 179939

Ion Ratio Lower Upper

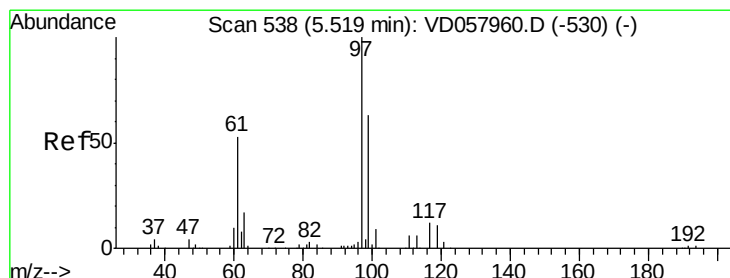
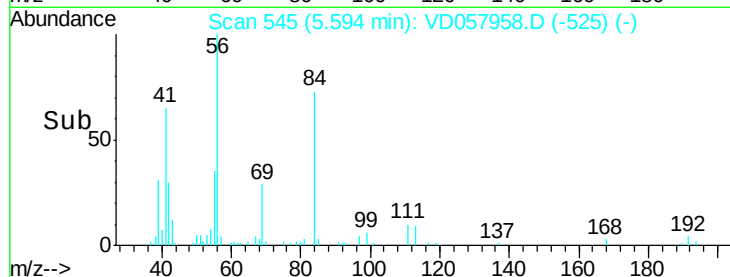
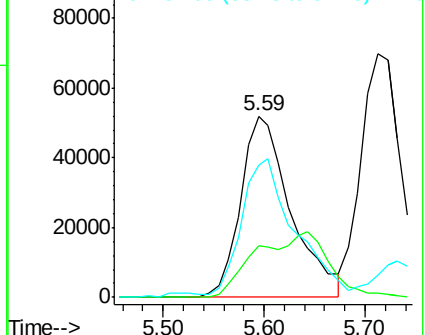
56 100

69 28.6 21.5 32.3

84 73.2 61.0 91.6



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



#32

1,1,1-Trichloroethane

Concen: 9.83 ug/l

RT: 5.52 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

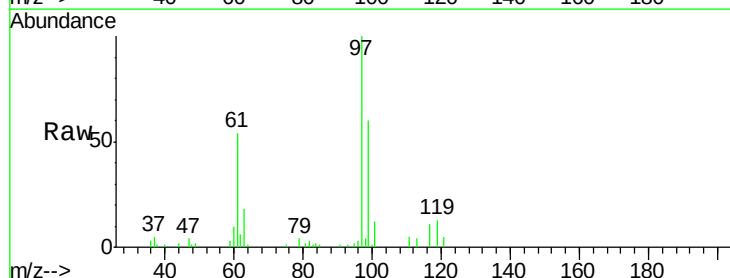
Tgt Ion: 97 Resp: 154294

Ion Ratio Lower Upper

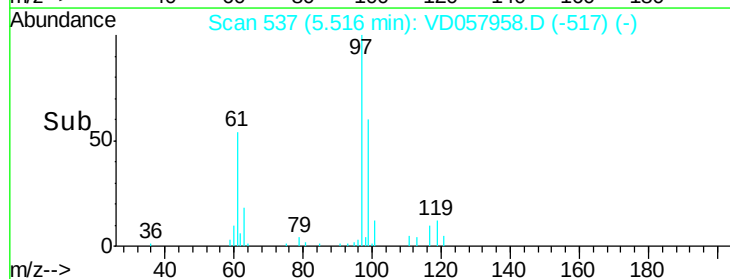
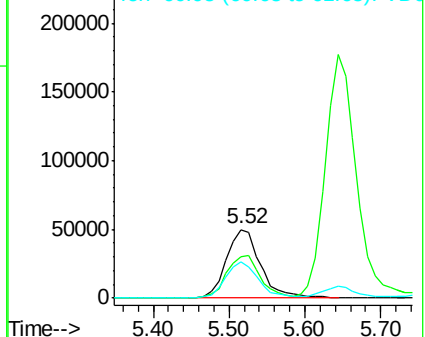
97 100

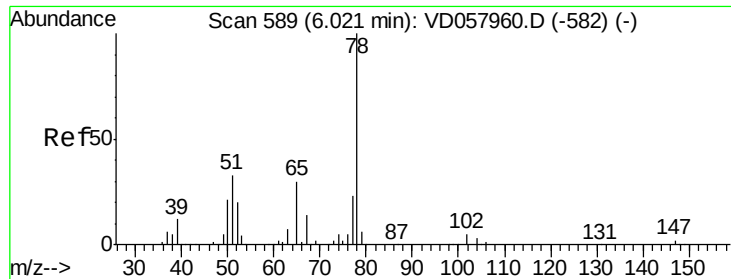
99 60.1 50.1 75.1

61 53.5 42.2 63.4



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

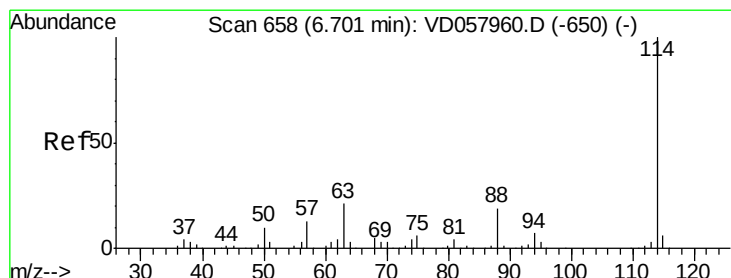
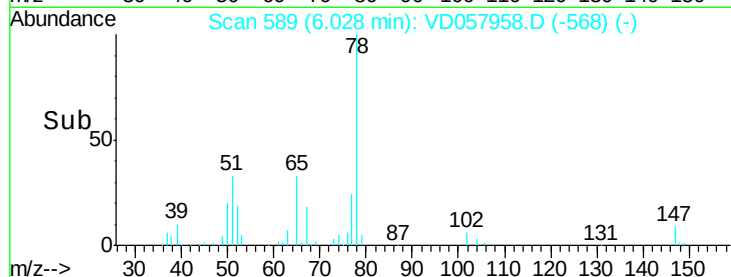
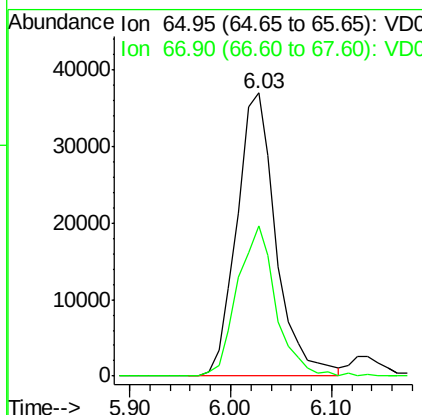
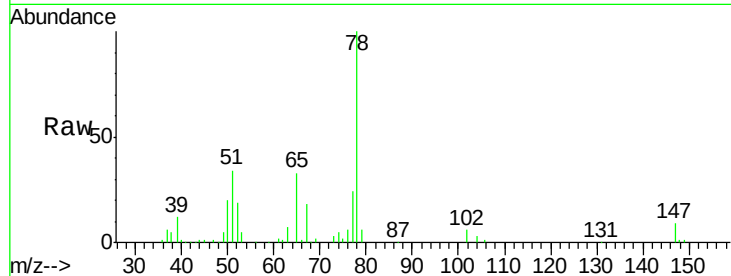




#33
 1,2-Dichloroethane-d4
 Concen: 9.83 ug/l
 RT: 6.03 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

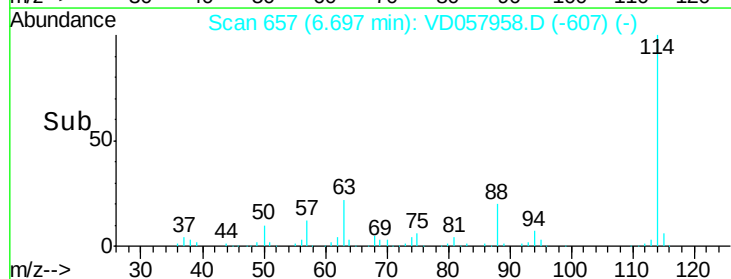
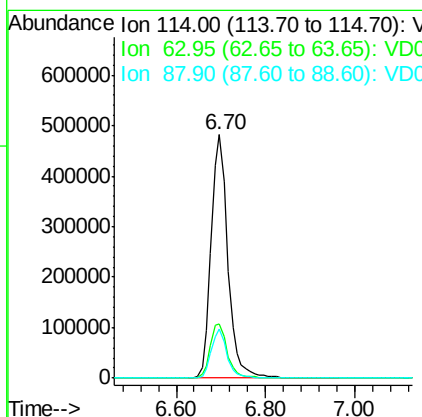
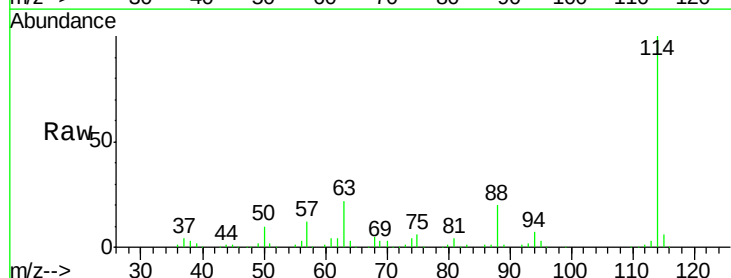
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

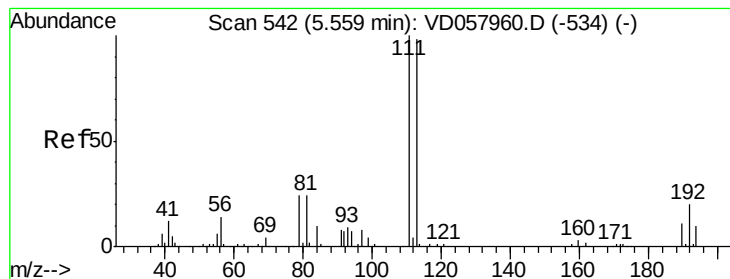
Tot Ion: 65 Resp: 100307
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Tgt Ion: 114 Resp: 1253514
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.8
 88 20.1 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

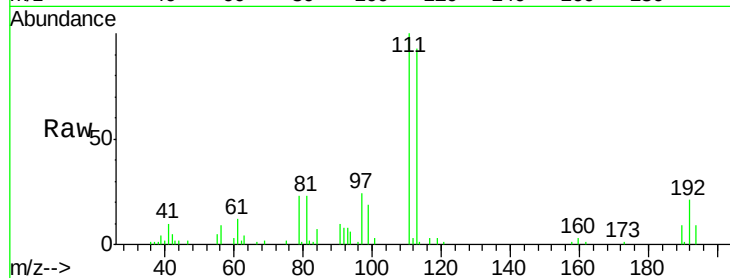
Tot Ion:113 Resp: 103465

Ion Ratio Lower Upper

113 100

111 107.1 81.5 122.3

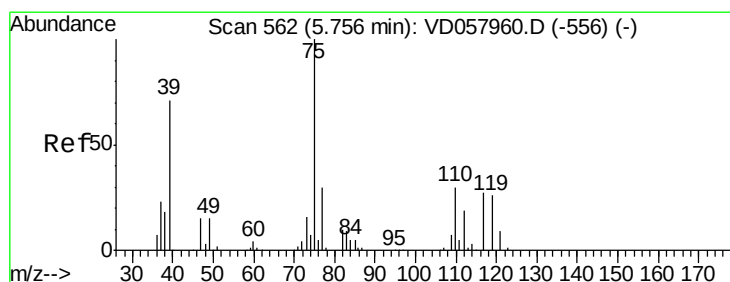
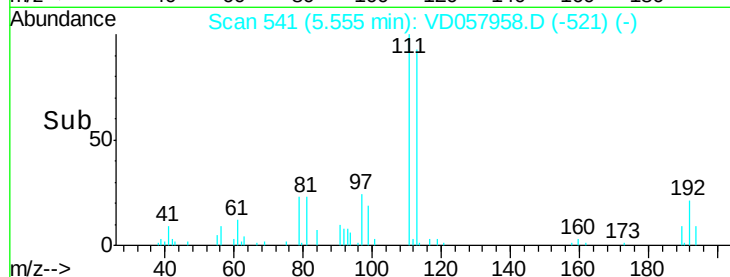
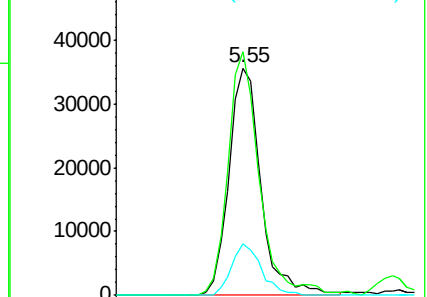
192 22.5 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 10.52 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

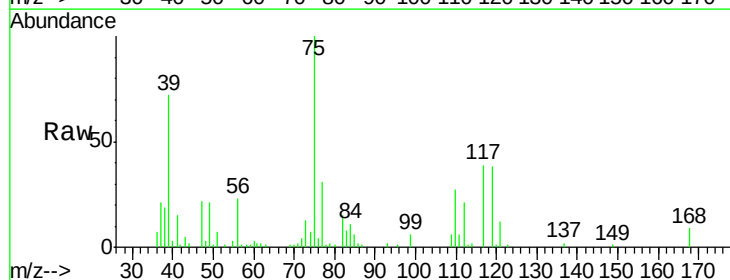
Tgt Ion: 75 Resp: 145345

Ion Ratio Lower Upper

75 100

110 27.2 14.8 44.3

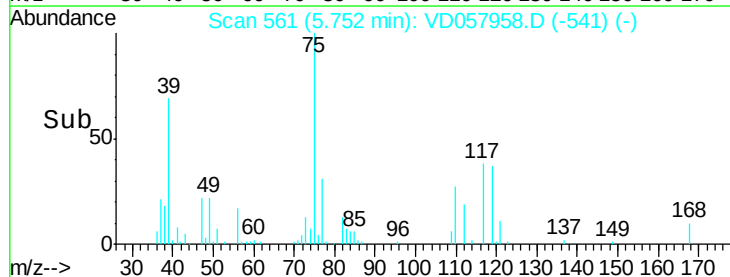
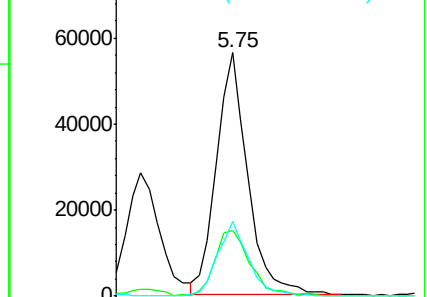
77 30.5 23.9 35.9

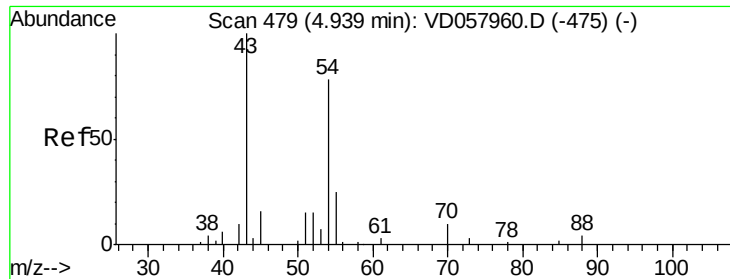


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

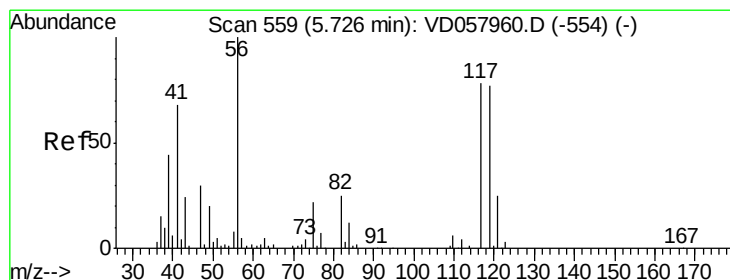
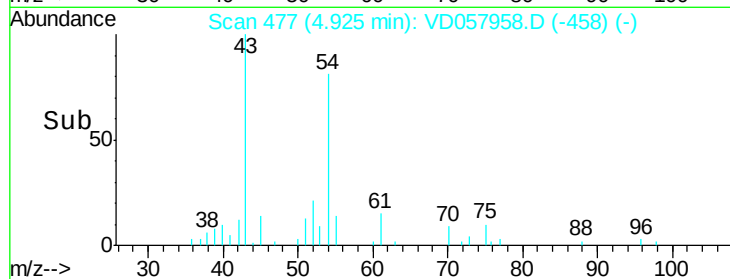
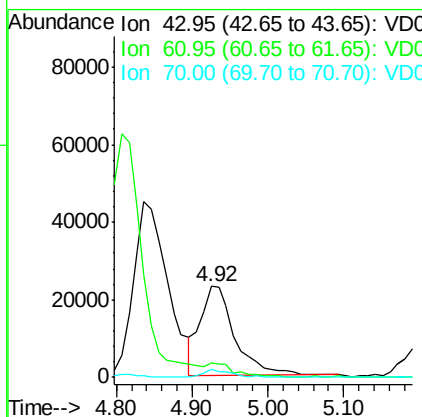
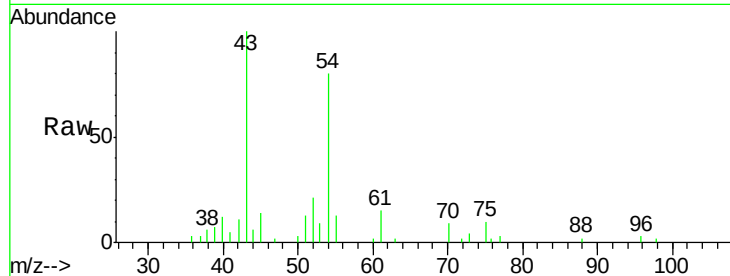




#37
Ethyl Acetate
Concen: 9.75 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

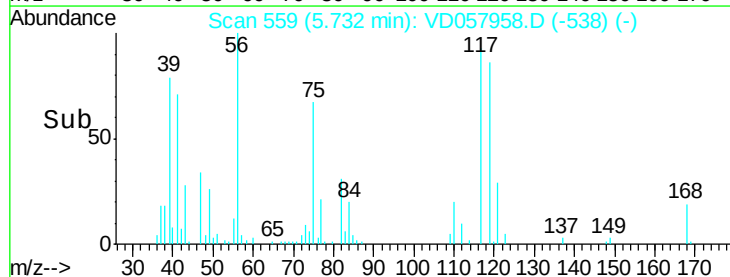
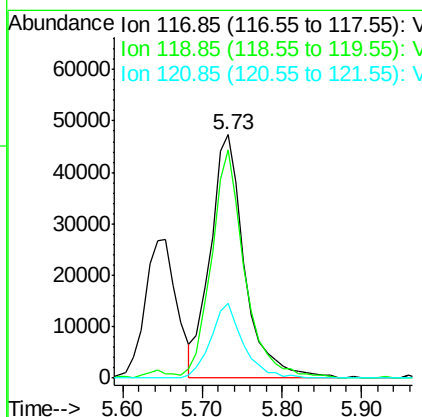
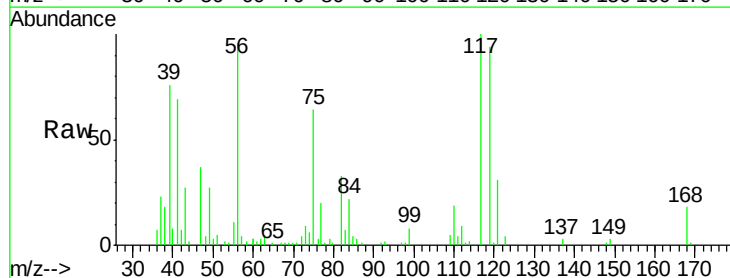
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

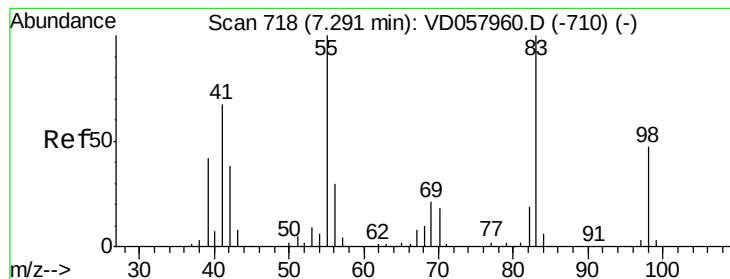
Tot Ion: 43 Resp: 73498
Ion Ratio Lower Upper
43 100
61 15.3 9.9 14.9#
70 8.6 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 10.49 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion: 117 Resp: 142711
Ion Ratio Lower Upper
117 100
119 93.7 76.1 114.1
121 30.6 24.9 37.3





#39

Methylvlcyclohexane

Concen: 10.64 ug/l

RT: 7.29 min Scan# 717

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

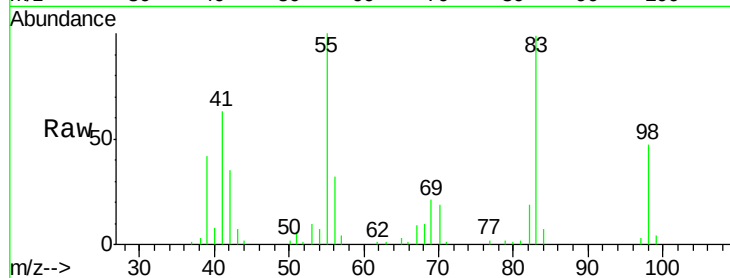
Tot Ion: 83 Resp: 145632

Ion Ratio Lower Upper

83 100

55 101.1 80.3 120.5

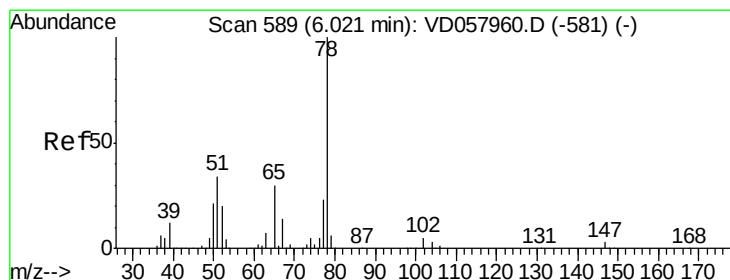
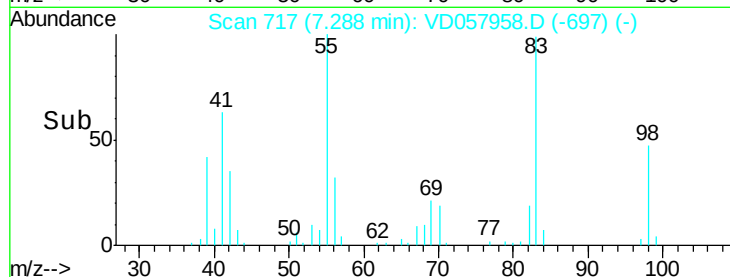
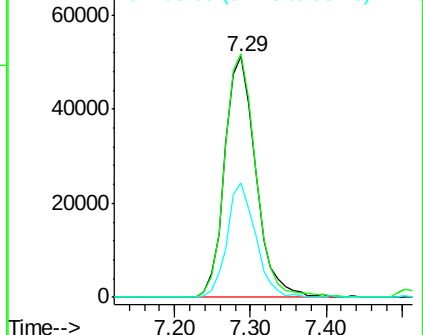
98 47.3 38.0 57.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 10.65 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD057958.D

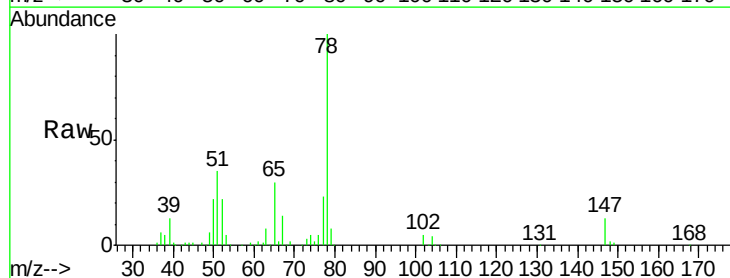
Acq: 6 Jun 2018 18:22

Tgt Ion: 78 Resp: 343738

Ion Ratio Lower Upper

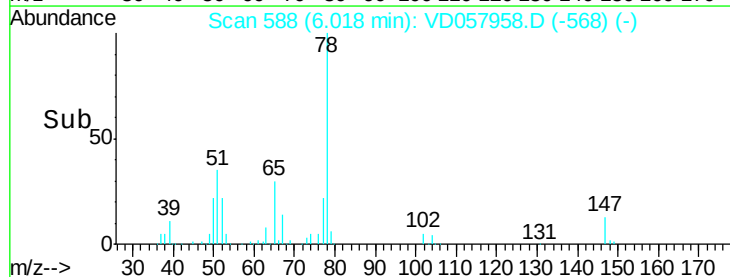
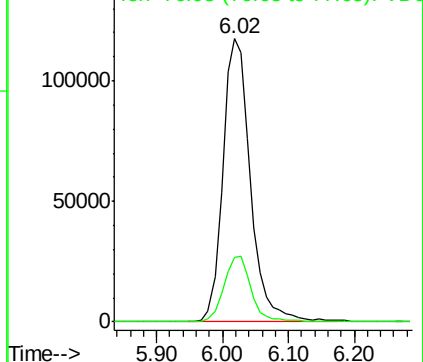
78 100

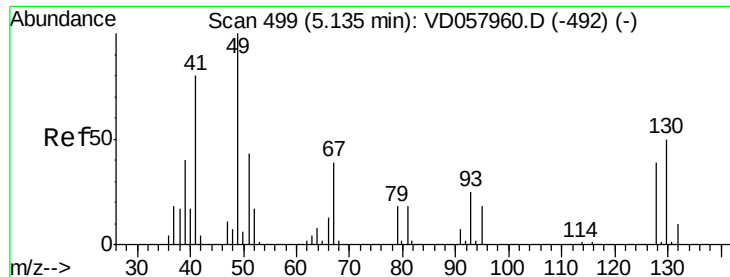
77 22.9 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 9.06 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 31209

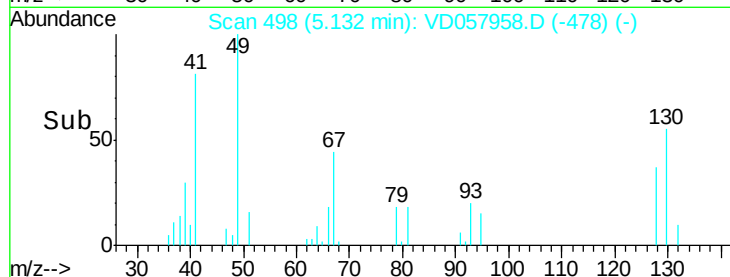
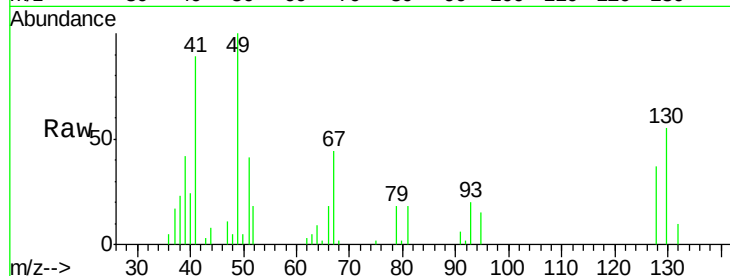
Ion Ratio Lower Upper

41 100

39 47.2 40.7 61.1

67 49.2 38.8 58.2

52 20.2 17.3 25.9

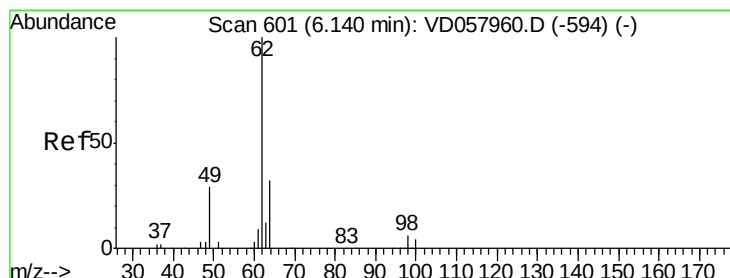
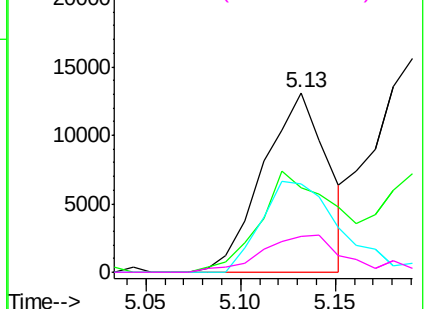


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 9.77 ug/l

RT: 6.14 min Scan# 600

Delta R.T. -0.00 min

Lab File: VD057958.D

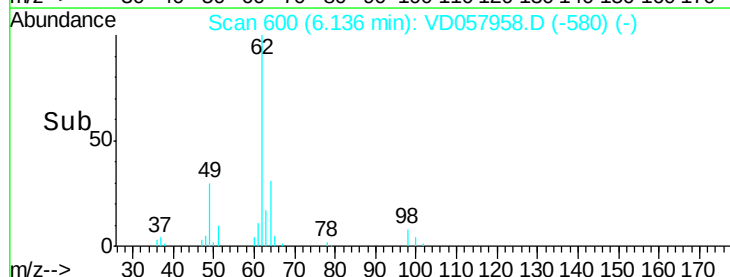
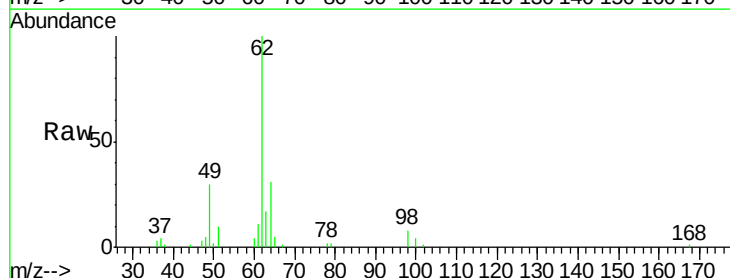
Acq: 6 Jun 2018 18:22

Tgt Ion: 62 Resp: 127478

Ion Ratio Lower Upper

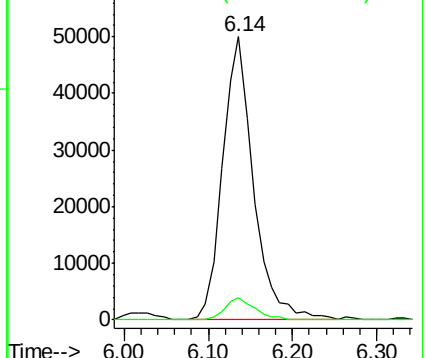
62 100

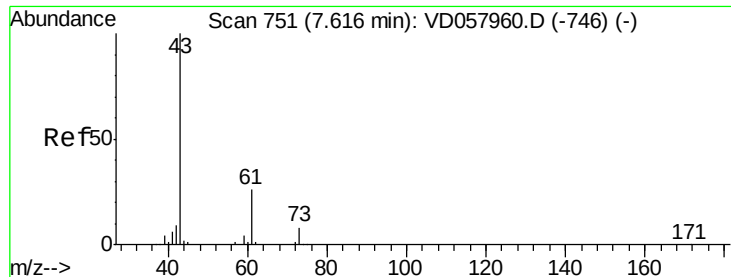
98 8.1 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.46 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

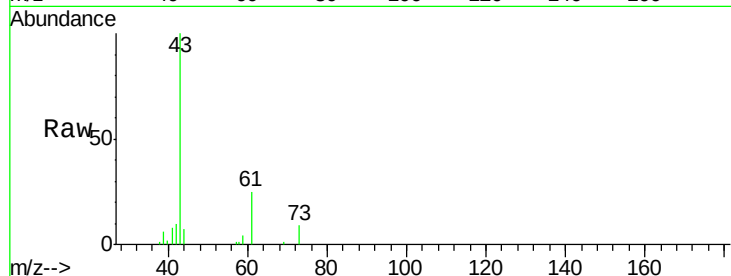
Tot Ion: 43 Resp: 93423

Ion Ratio Lower Upper

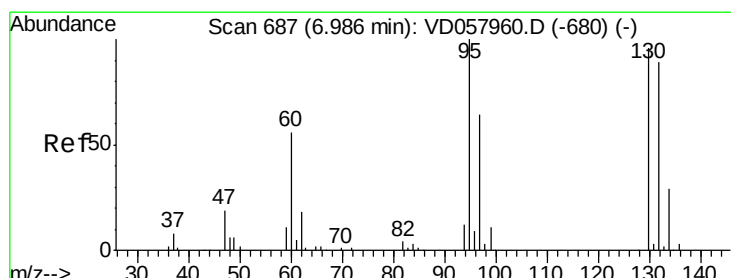
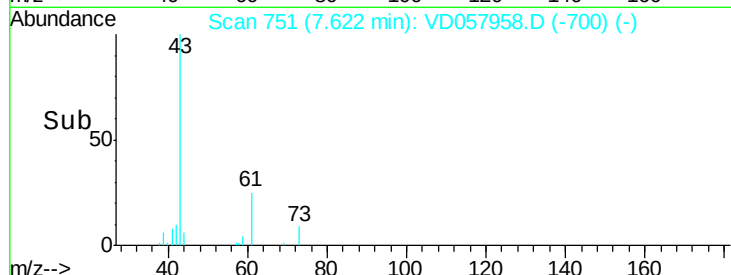
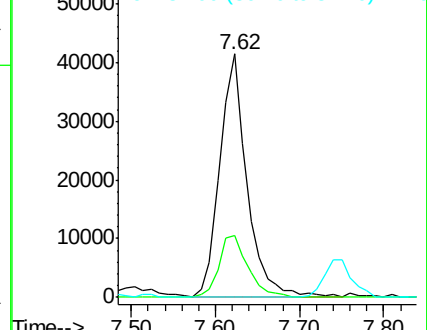
43 100

61 25.1 20.6 30.8

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: 10.31 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD057958.D

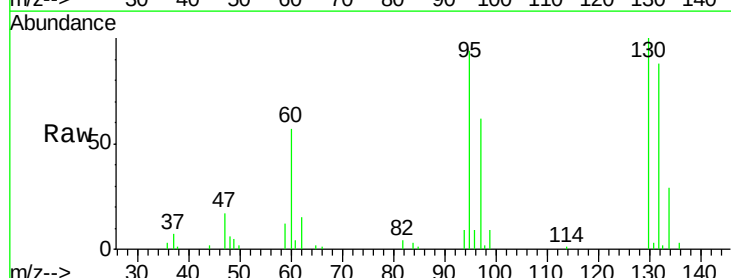
Acq: 6 Jun 2018 18:22

Tgt Ion:130 Resp: 97114

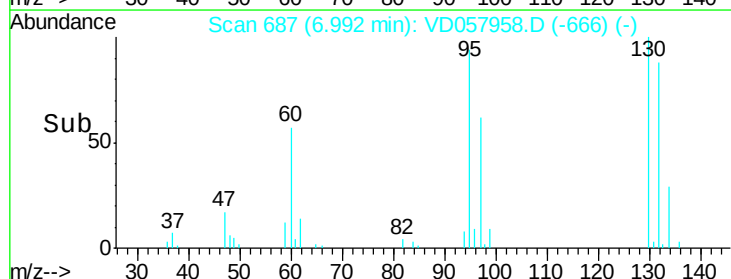
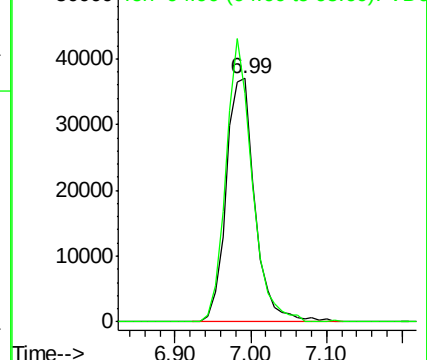
Ion Ratio Lower Upper

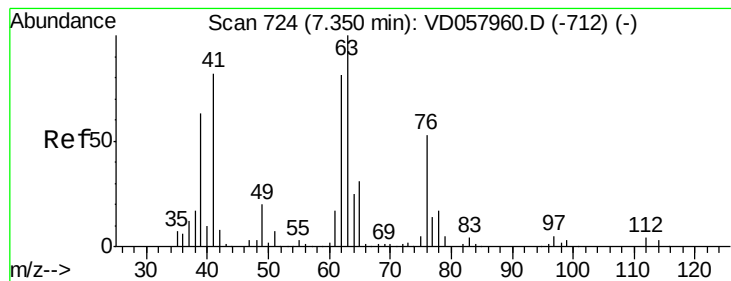
130 100

95 93.9 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 10.22 ug/l

RT: 7.36 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

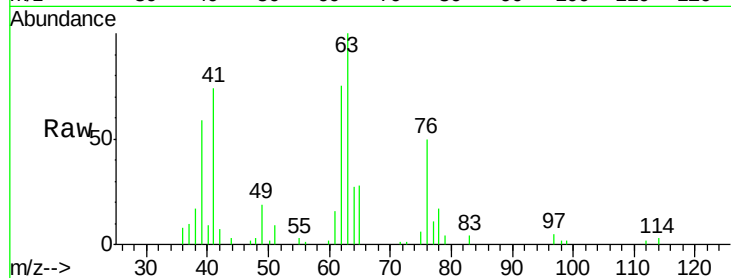
VSTDIC010

Tot Ion: 63 Resp: 91645

Ion Ratio Lower Upper

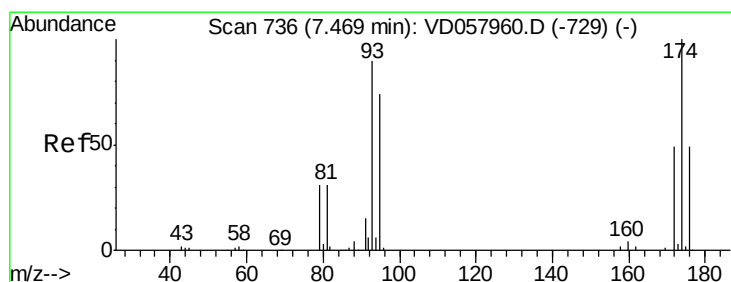
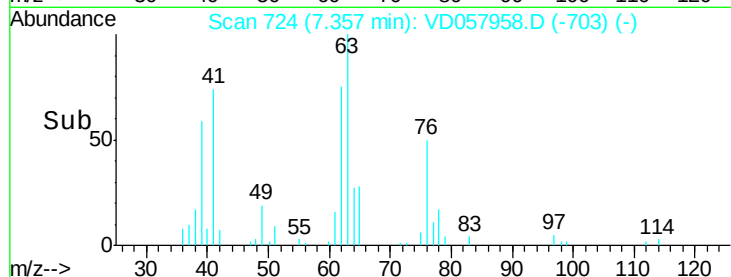
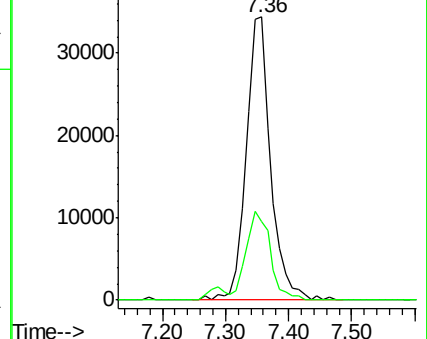
63 100

65 27.6 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 10.00 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

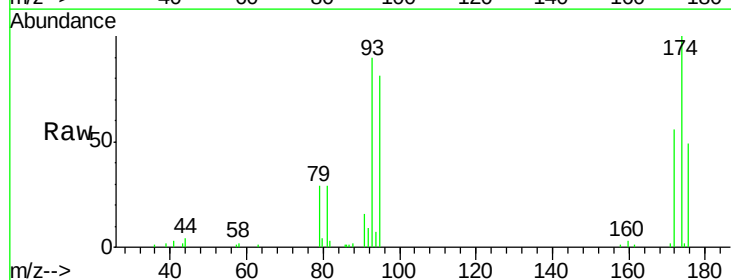
Tgt Ion: 93 Resp: 57620

Ion Ratio Lower Upper

93 100

95 90.7 65.7 98.5

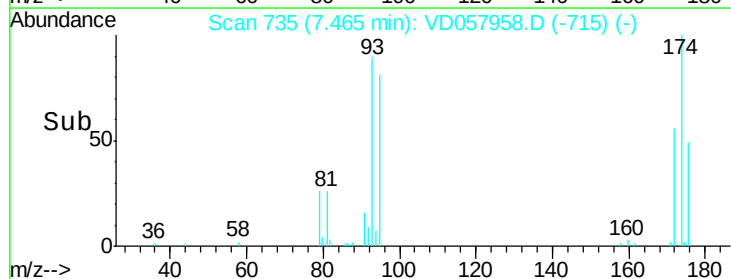
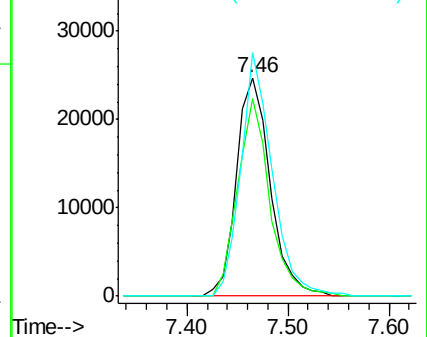
174 111.6 89.0 133.4

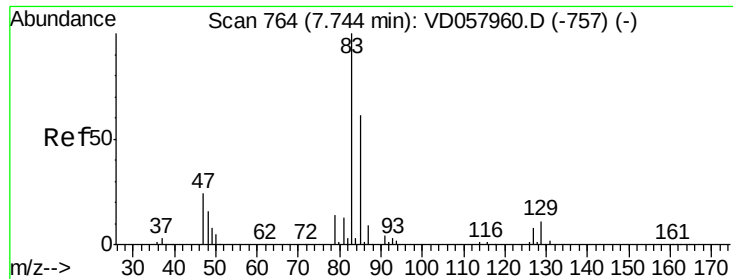


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

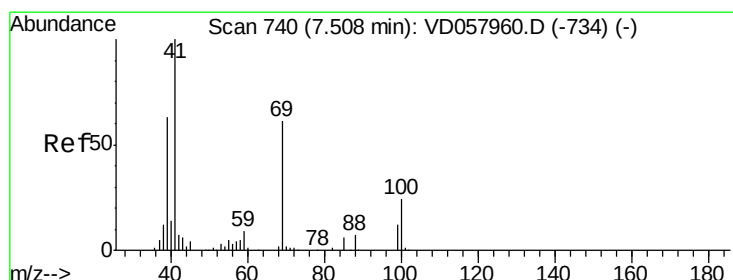
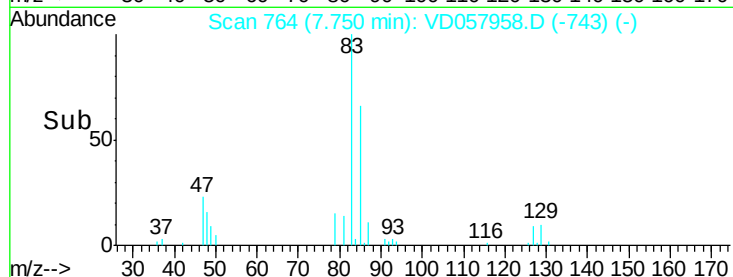
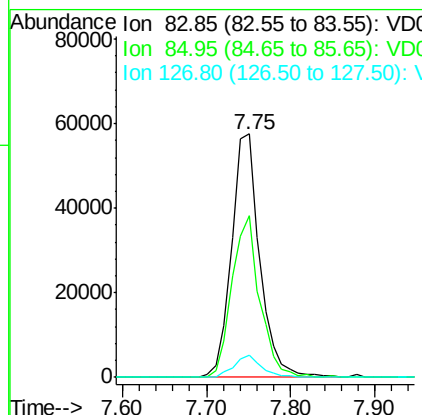
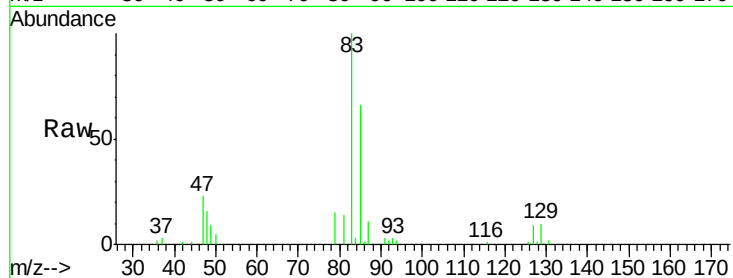




#47
Bromodichloromethane
Concen: 9.94 ug/l
RT: 7.75 min Scan# 764
Delta R.T. 0.01 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

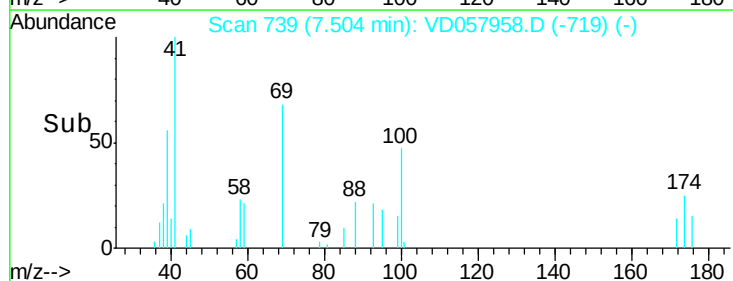
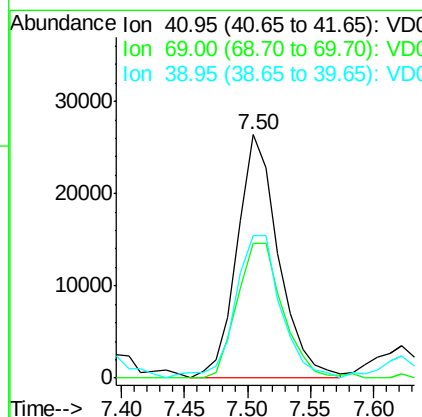
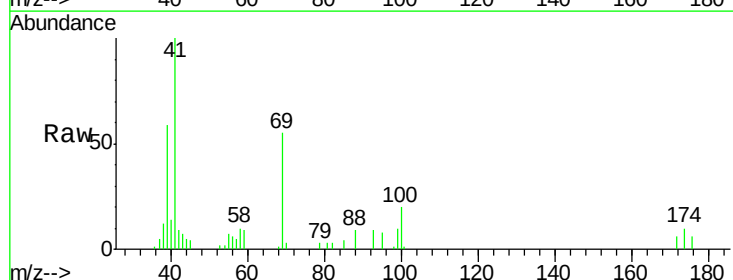
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

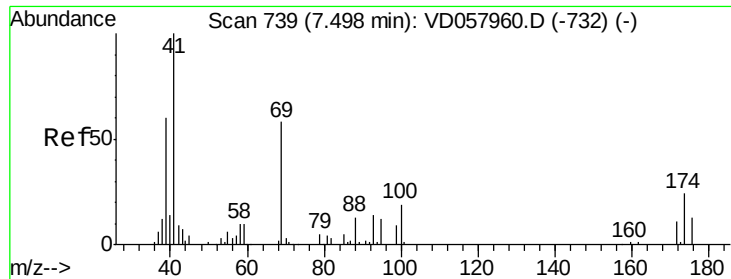
Tot Ion: 83 Resp: 134064
Ion Ratio Lower Upper
83 100
85 66.2 49.1 73.7
127 8.9 6.2 9.2



#48
Methyl methacrylate
Concen: 9.91 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion: 41 Resp: 60227
Ion Ratio Lower Upper
41 100
69 55.2 48.0 72.0
39 58.7 50.7 76.1





#49

1,4-Dioxane

Concen: 193.43 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

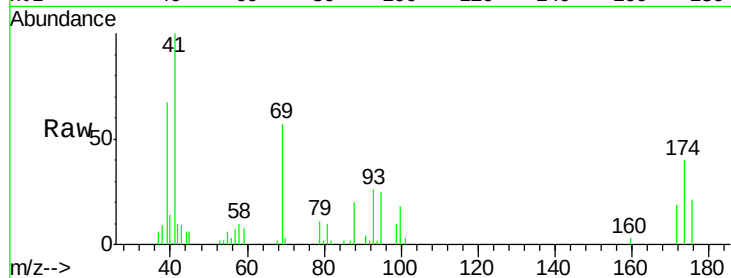
Tot Ion: 88 Resp: 9735

Ion Ratio Lower Upper

88 100

43 46.6 46.6 69.8

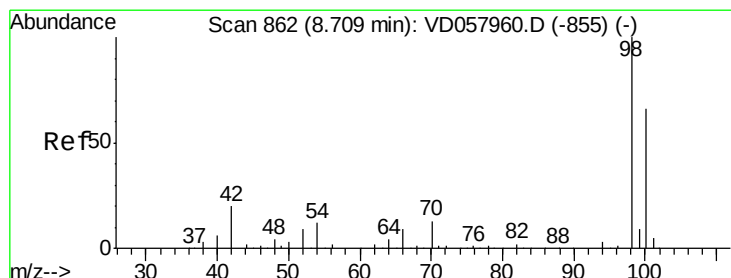
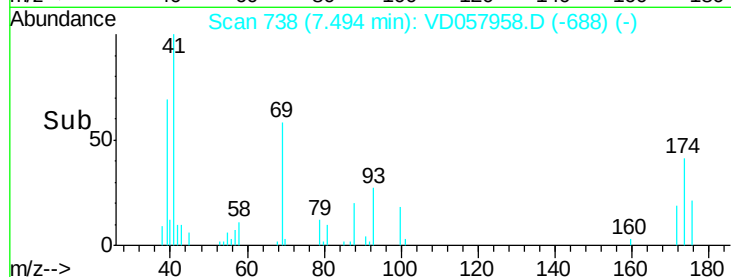
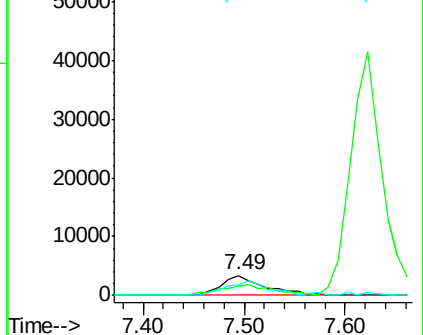
58 52.1 63.6 95.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 193.43 ug/l

RT: 8.72 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD057958.D

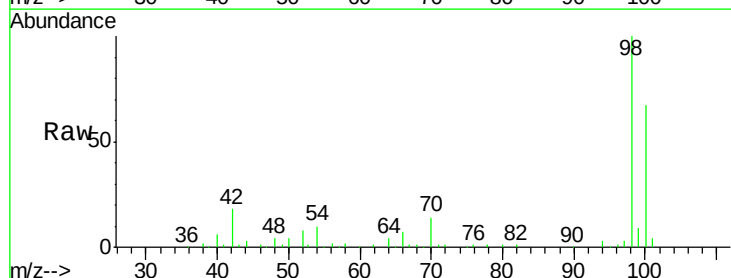
Acq: 6 Jun 2018 18:22

Tgt Ion: 98 Resp: 263157

Ion Ratio Lower Upper

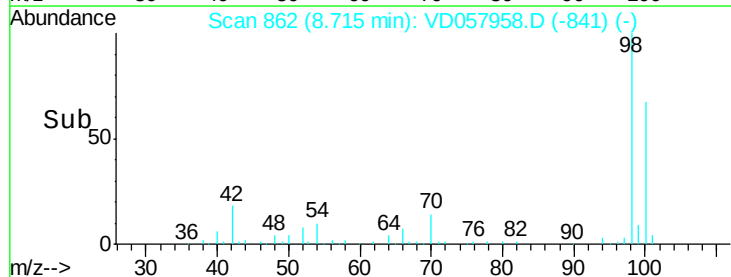
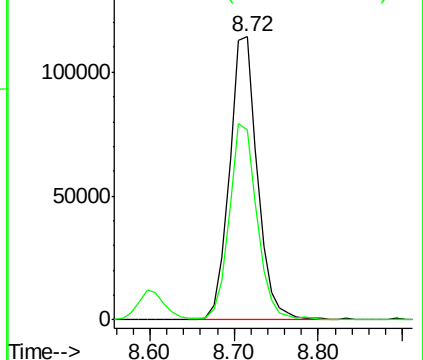
98 100

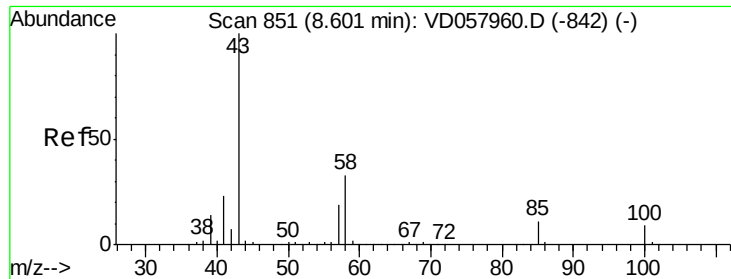
100 67.1 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 50.73 ug/l

RT: 8.60 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

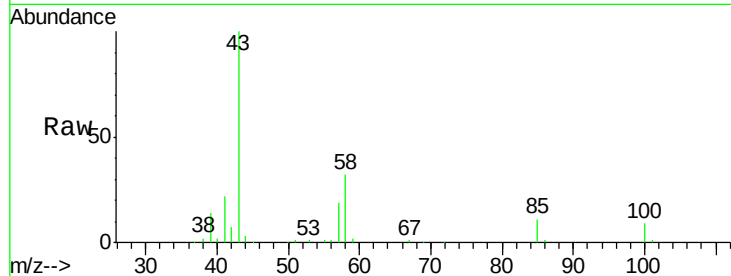
VSTDIC010

Tot Ion: 43 Resp: 321190

Ion Ratio Lower Upper

43 100

58 31.5 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

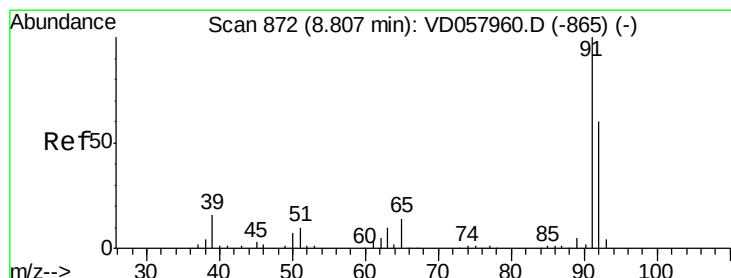
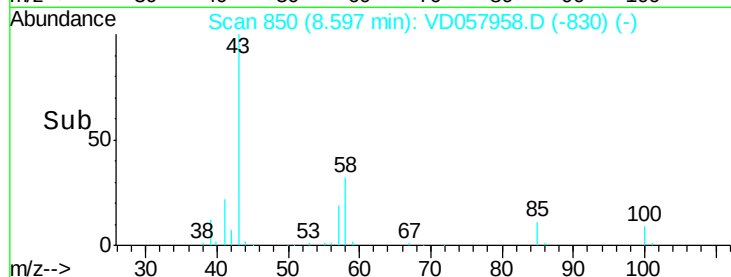
150000

100000

50000

0

Time--> 8.40 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 10.67 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD057958.D

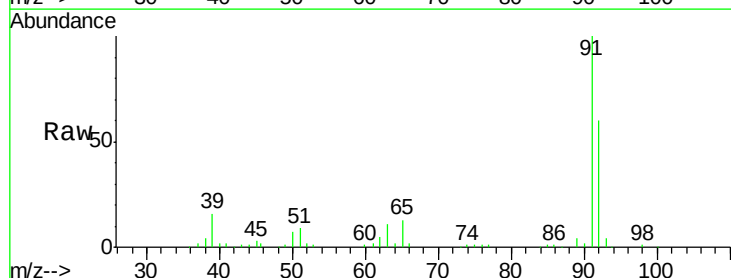
Acq: 6 Jun 2018 18:22

Tgt Ion: 92 Resp: 197544

Ion Ratio Lower Upper

92 100

91 166.7 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

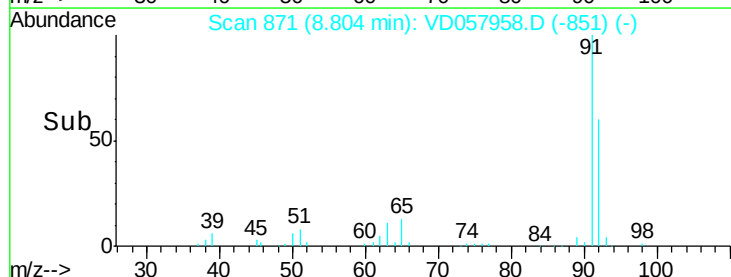
150000

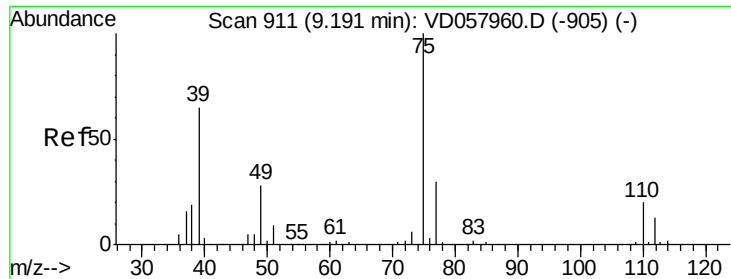
100000

50000

0

Time--> 8.70 8.80 8.90





#53

t-1,3-Dichloropropene

Concen: 10.03 ug/l

RT: 9.19 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

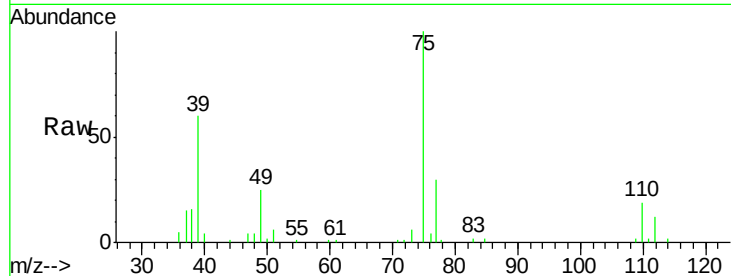
VSTDIC010

Tot Ion: 75 Resp: 116573

Ion Ratio Lower Upper

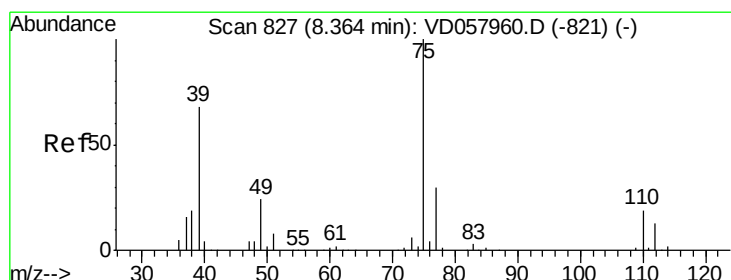
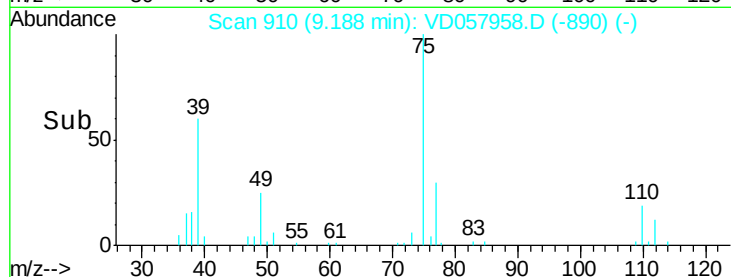
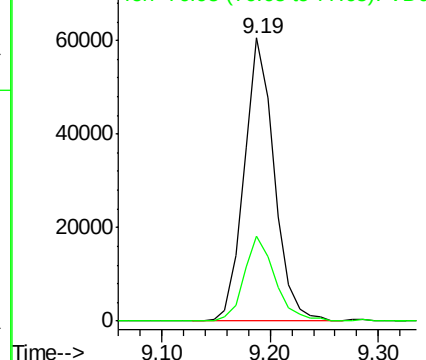
75 100

77 30.2 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.75 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

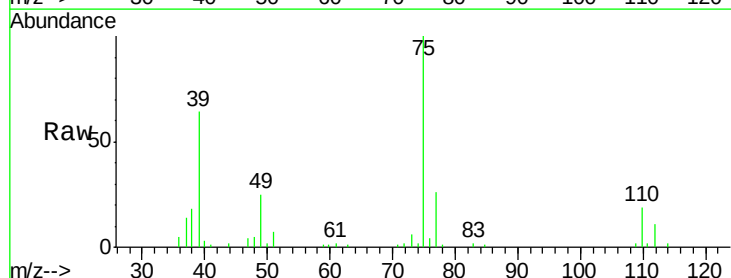
Tgt Ion: 75 Resp: 133528

Ion Ratio Lower Upper

75 100

77 26.0 24.1 36.1

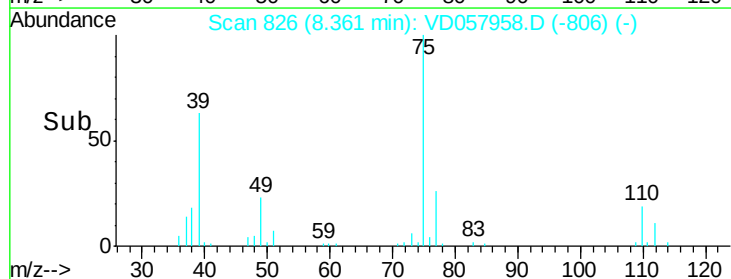
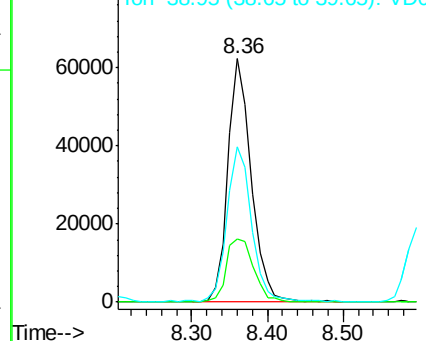
39 63.7 54.0 81.0

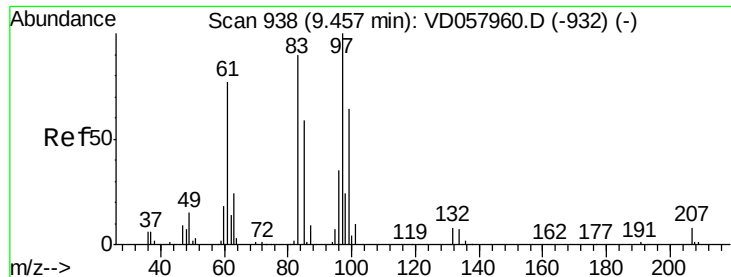


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 10.32 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 61858

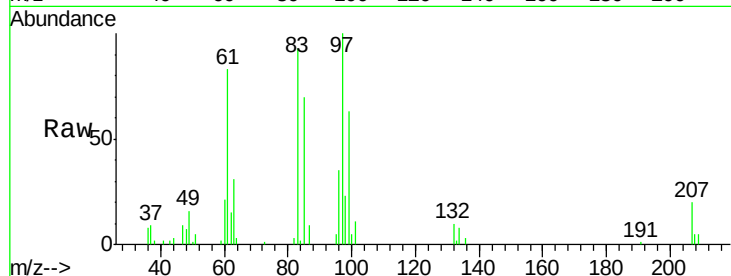
Ion	Ratio	Lower	Upper
97	100		
83	92.9	71.8	107.8
85	70.0	47.2	70.8
99	62.8	51.4	77.0

97 100

83 92.9 71.8 107.8

85 70.0 47.2 70.8

99 62.8 51.4 77.0



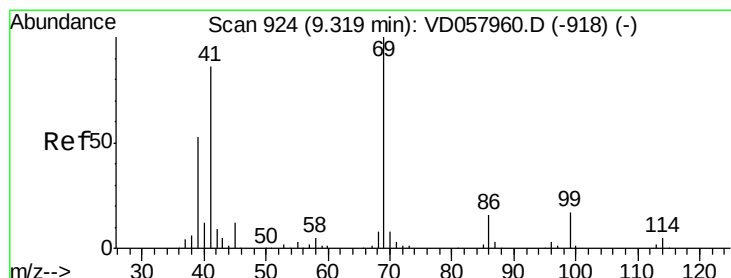
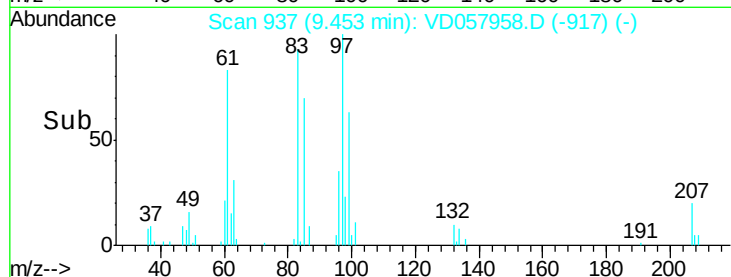
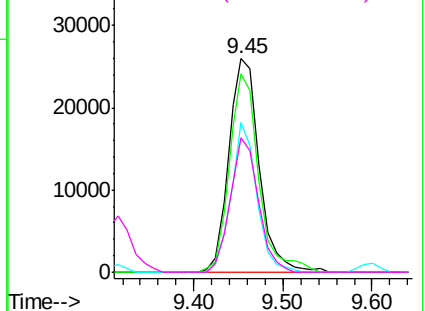
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 9.90 ug/l

RT: 9.32 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

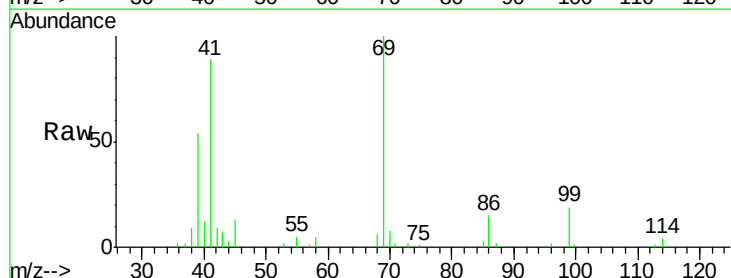
Tgt Ion: 69 Resp: 72787

Ion	Ratio	Lower	Upper
69	100		
41	88.9	68.4	102.6
39	53.8	43.0	64.4

69 100

41 88.9 68.4 102.6

39 53.8 43.0 64.4

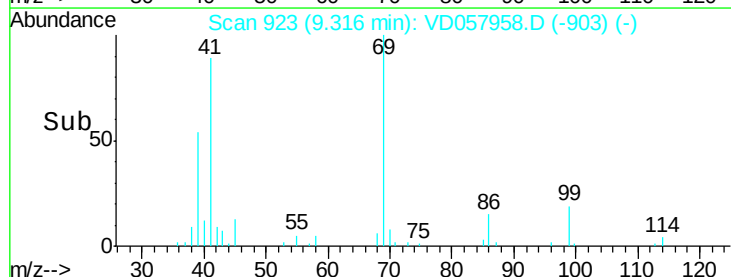
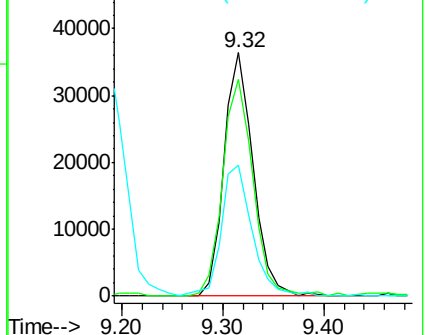


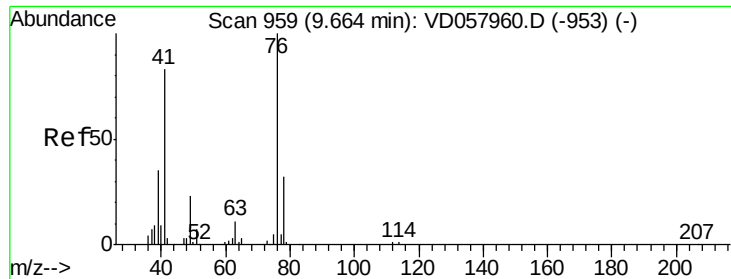
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

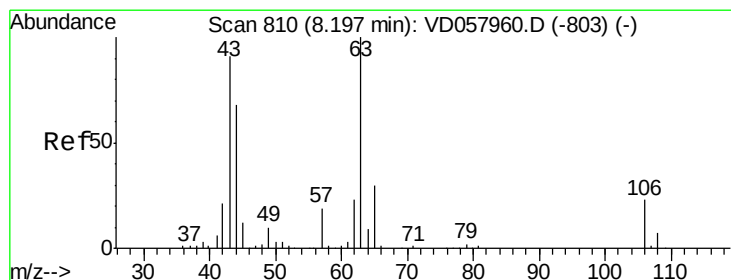
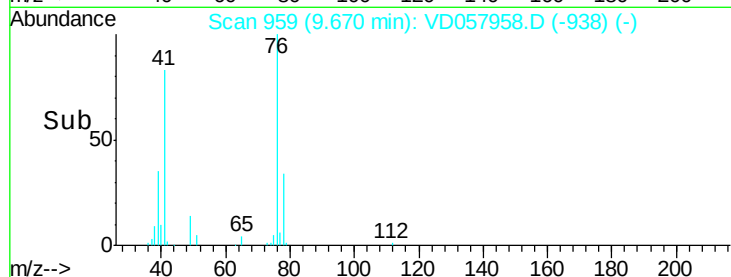
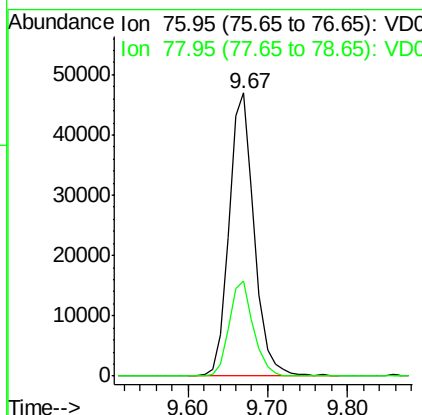
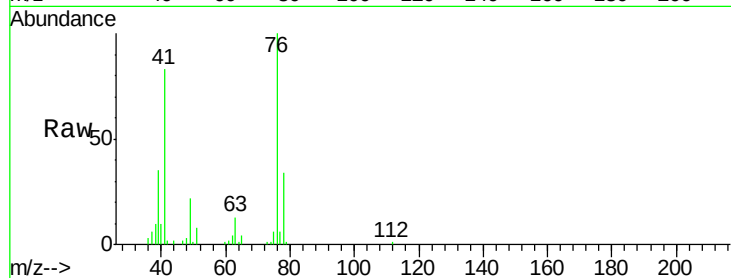




#57
 1,3-Dichloropropane
 Concen: 9.83 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

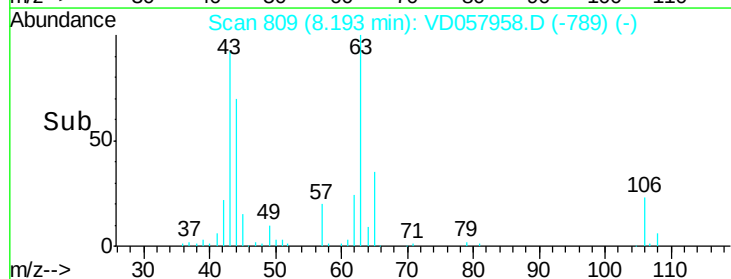
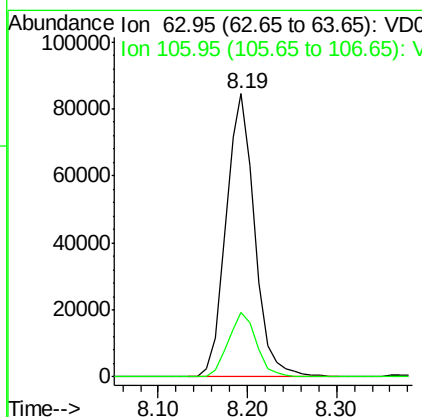
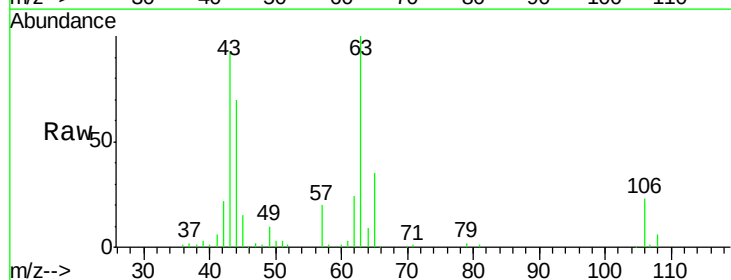
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

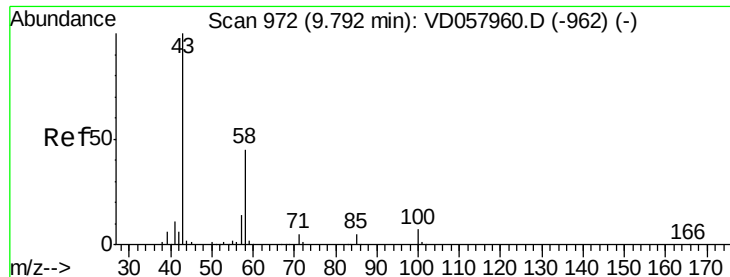
Tot Ion: 76 Resp: 103271
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 51.27 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Tgt Ion: 63 Resp: 190412
 Ion Ratio Lower Upper
 63 100
 106 22.8 18.7 28.1





#59

2-Hexanone

Concen: 50.68 ug/l

RT: 9.79 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

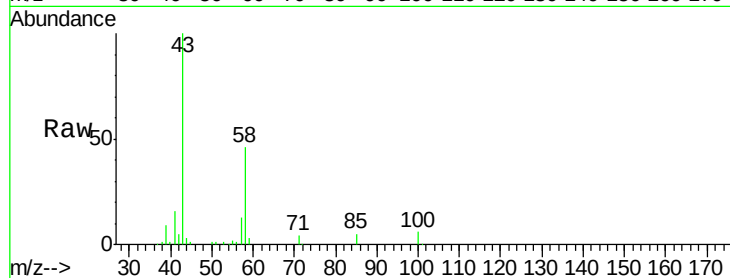
VSTDIC010

Tot Ion: 43 Resp: 235122

Ion Ratio Lower Upper

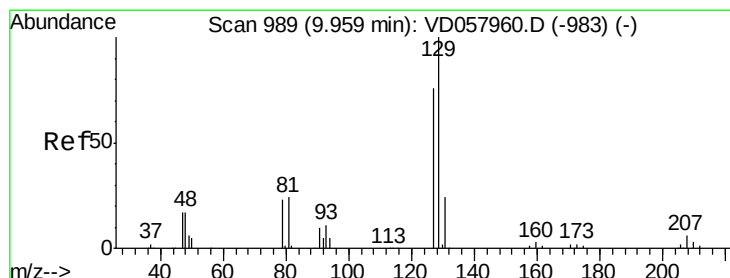
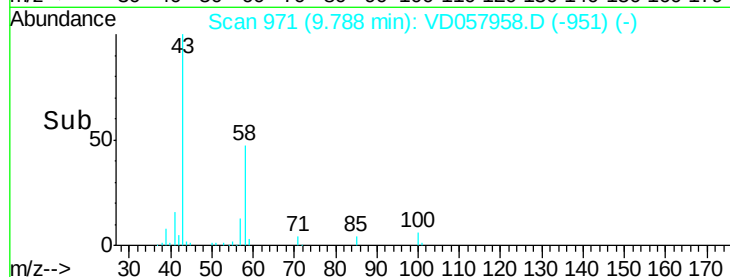
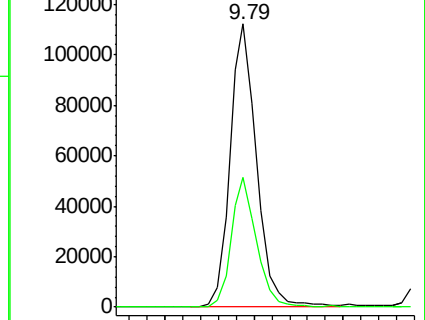
43 100

58 45.8 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 9.21 ug/l

RT: 9.96 min Scan# 988

Delta R.T. -0.00 min

Lab File: VD057958.D

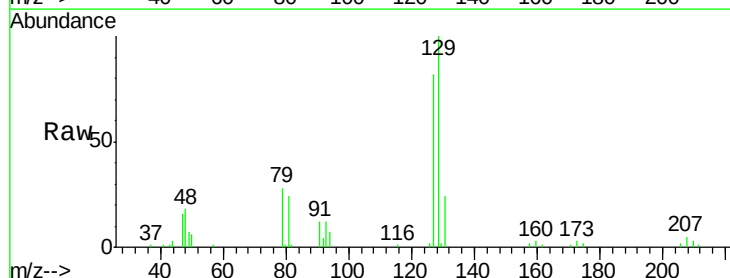
Acq: 6 Jun 2018 18:22

Tgt Ion: 129 Resp: 77830

Ion Ratio Lower Upper

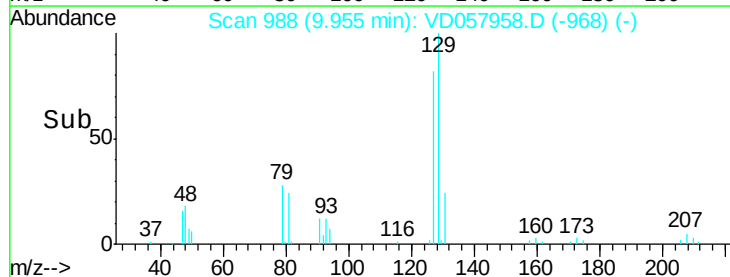
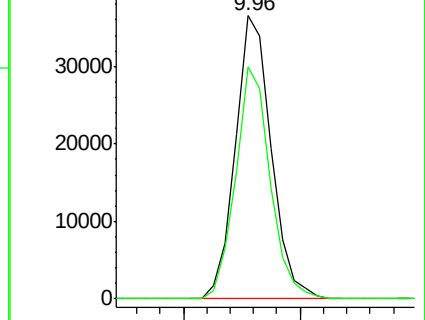
129 100

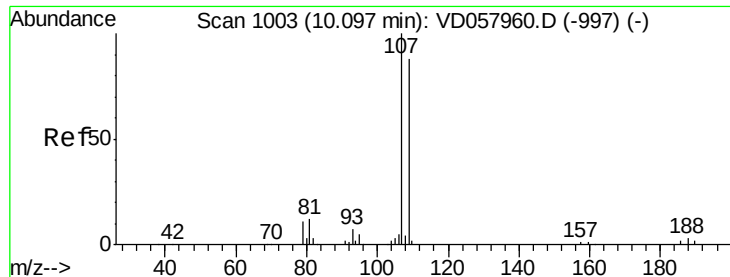
127 82.1 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 9.73 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

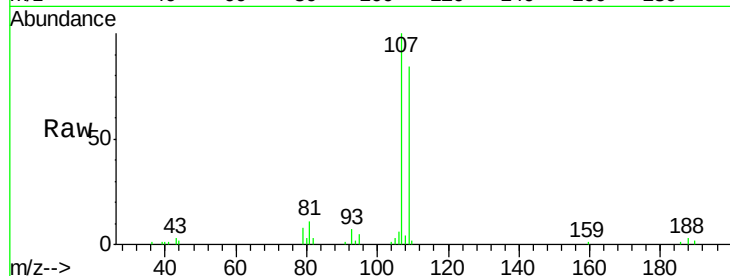
VSTDIC010

Tot Ion:107 Resp: 67053

Ion Ratio Lower Upper

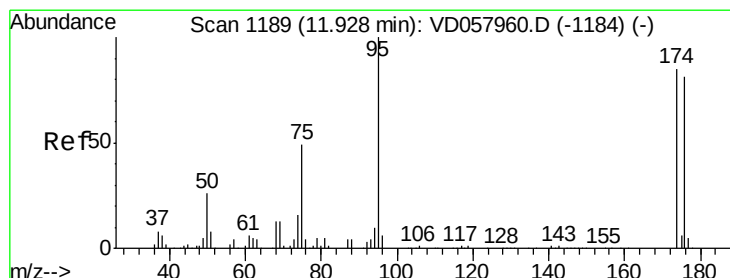
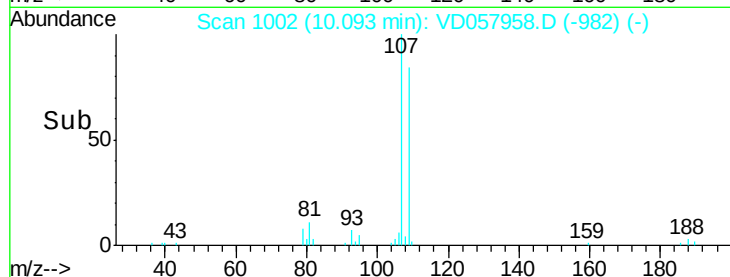
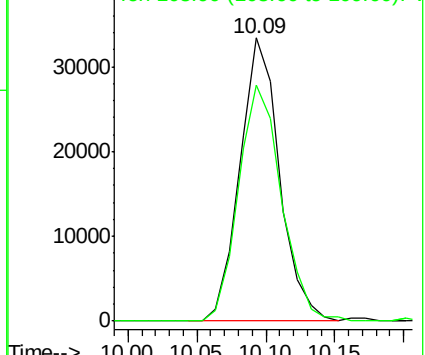
107 100

109 83.5 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 9.73 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

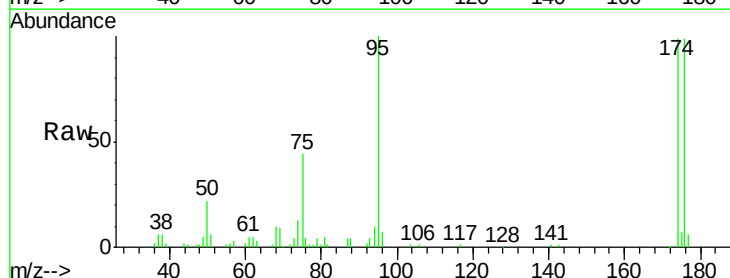
Tgt Ion: 95 Resp: 114536

Ion Ratio Lower Upper

95 100

174 98.8 0.0 169.4

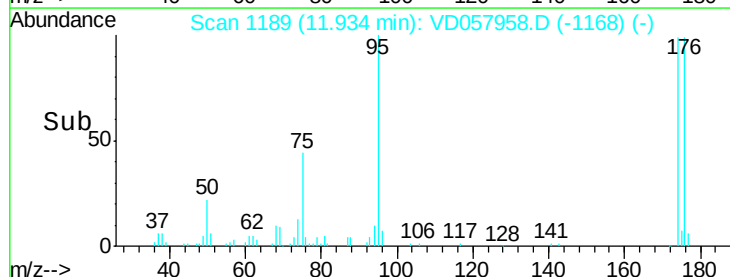
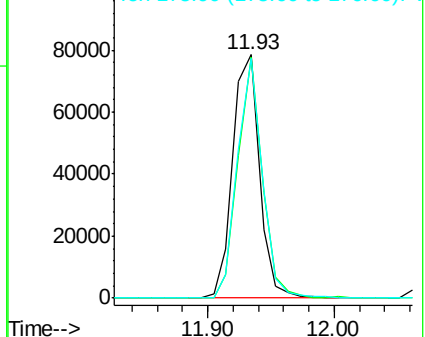
176 98.6 0.0 162.6

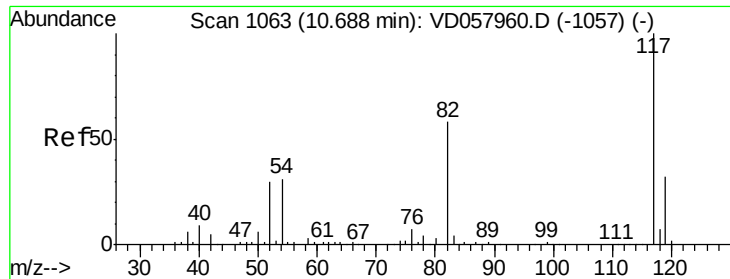


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

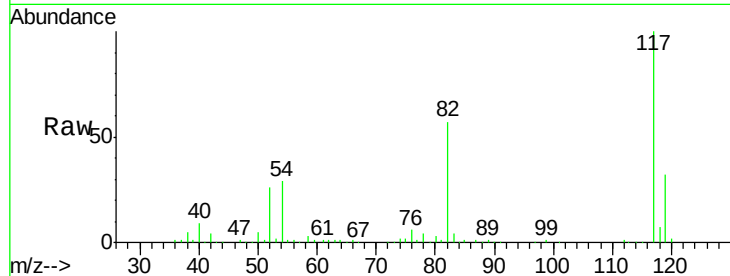




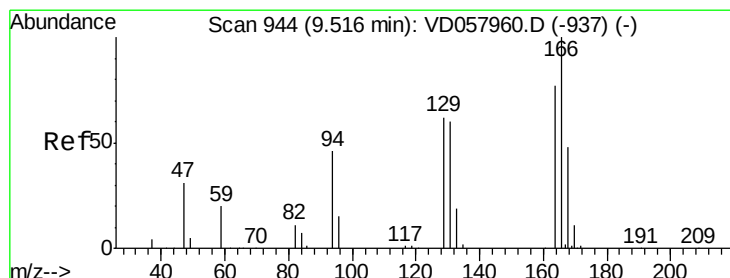
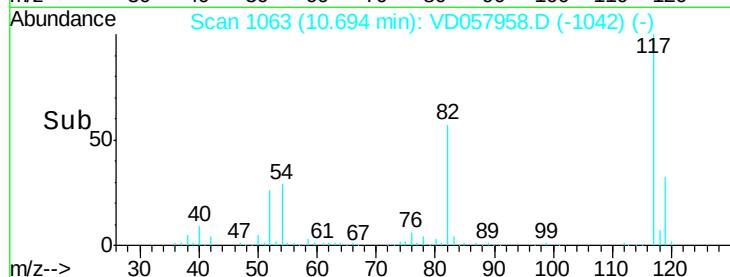
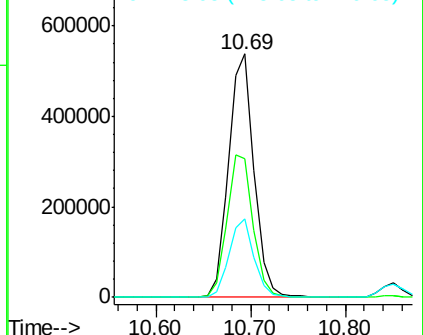
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 998023
Ion Ratio Lower Upper
117 100
82 57.1 46.8 70.2
119 32.1 25.8 38.6

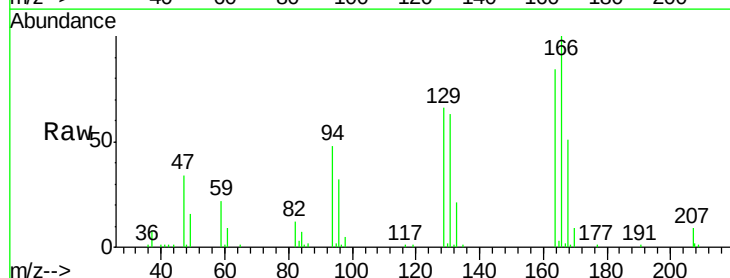


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

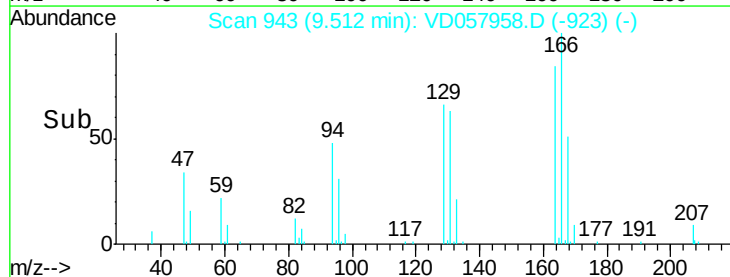
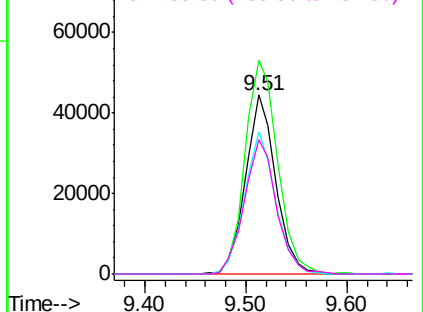


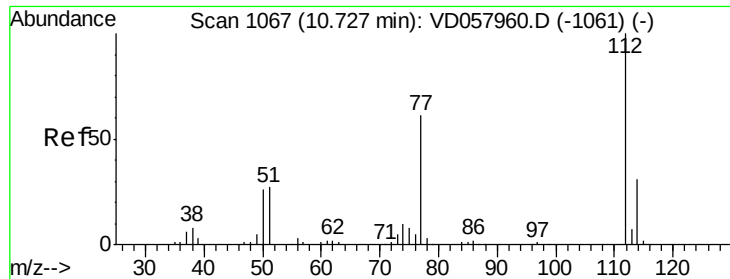
#64
Tetrachloroethene
Concen: 10.43 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion:164 Resp: 93086
Ion Ratio Lower Upper
164 100
166 119.6 104.4 156.6
129 79.5 65.0 97.6
131 75.4 62.9 94.3



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

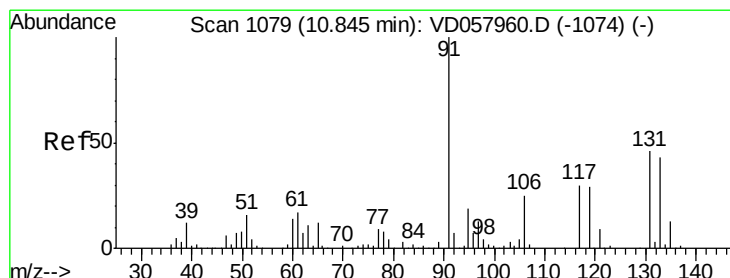
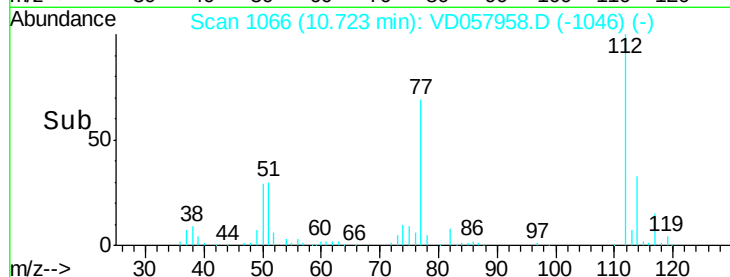
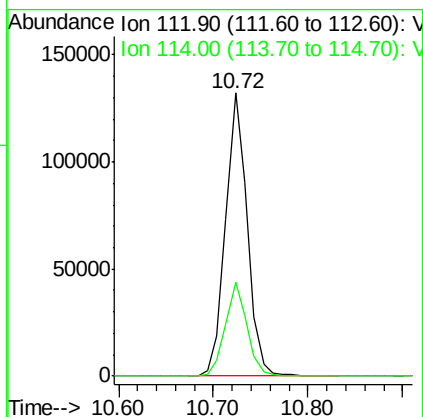
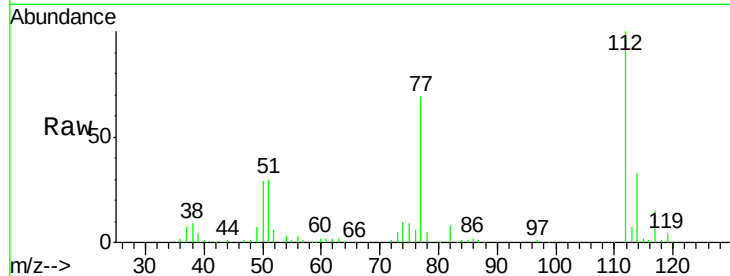




#65
Chlorobenzene
Concen: 10.39 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

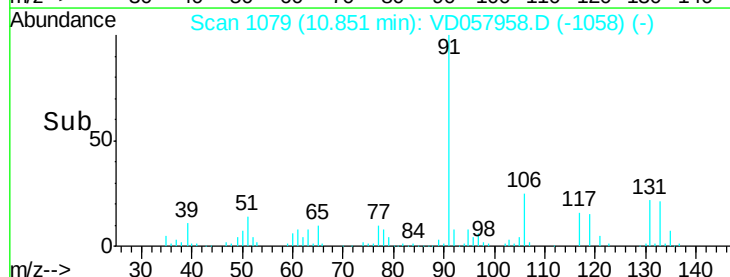
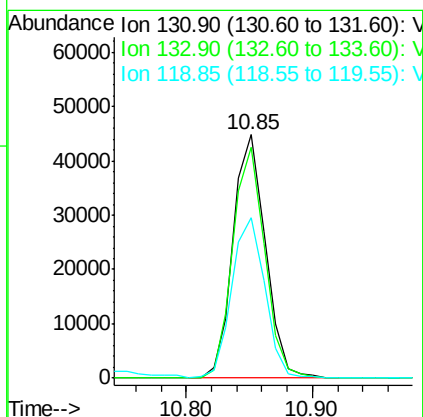
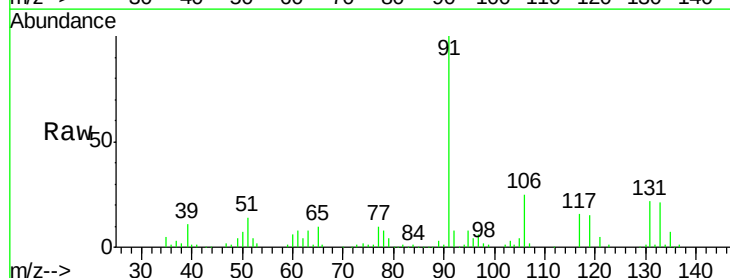
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

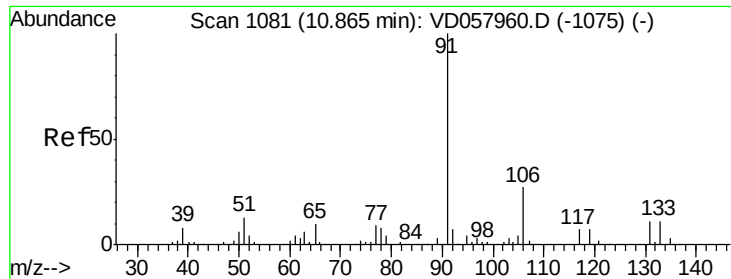
Tot Ion:112 Resp: 209999
Ion Ratio Lower Upper
112 100
114 33.1 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 10.24 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion:131 Resp: 79471
Ion Ratio Lower Upper
131 100
133 94.7 46.9 140.6
119 65.9 31.8 95.3

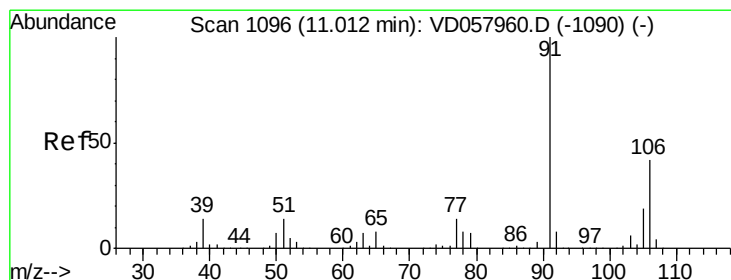
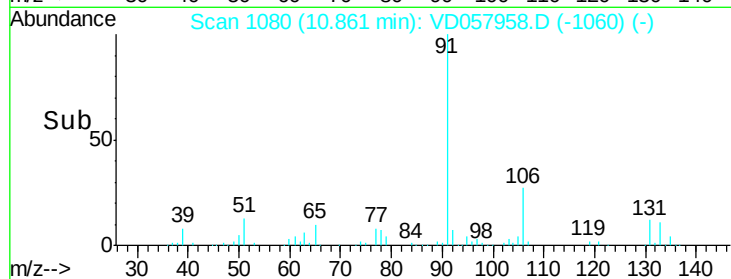
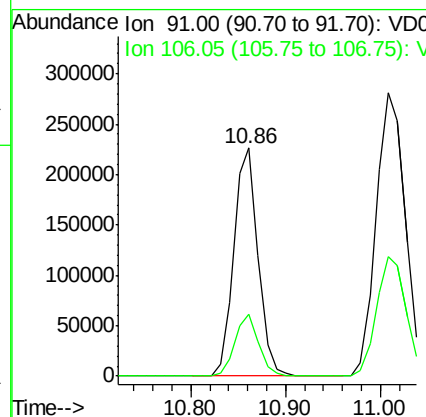
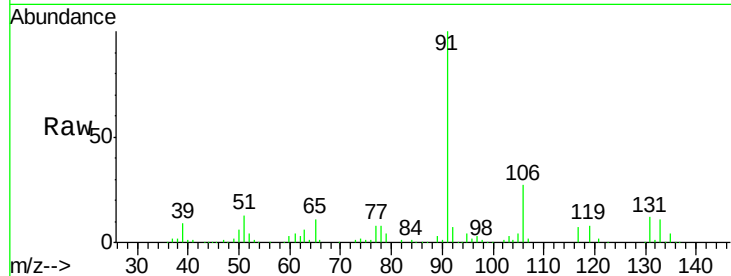




#67
Ethyl Benzene
Concen: 10.97 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

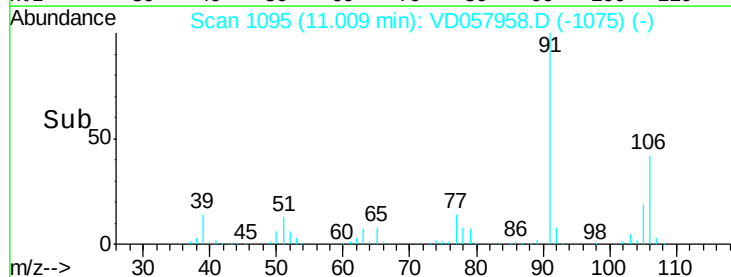
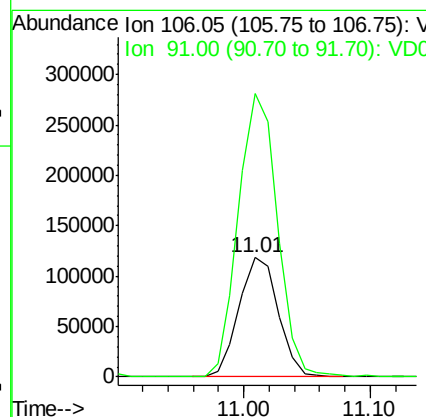
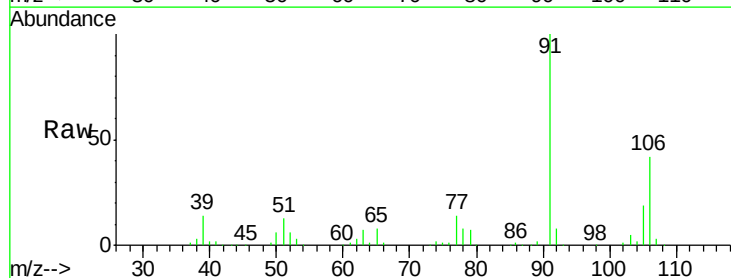
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

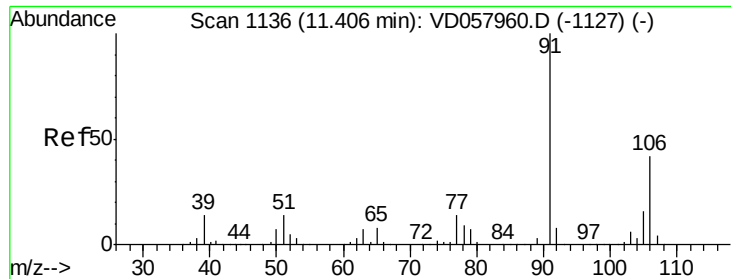
Tot Ion: 91 Resp: 400365
Ion Ratio Lower Upper
91 100
106 27.1 21.5 32.3



#68
m/p-Xylenes
Concen: 21.48 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion: 106 Resp: 255603
Ion Ratio Lower Upper
106 100
91 238.0 190.4 285.6

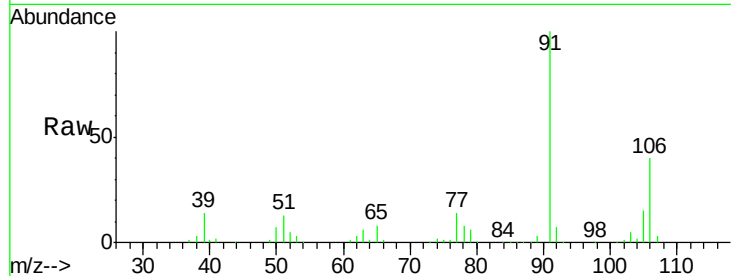




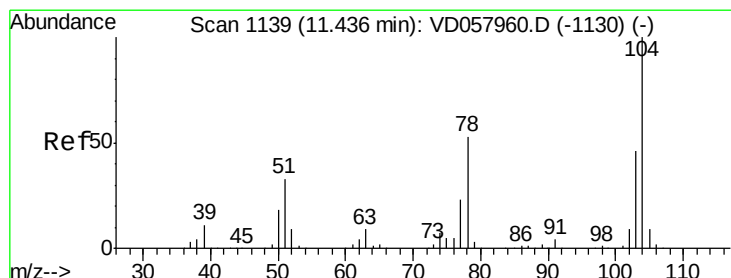
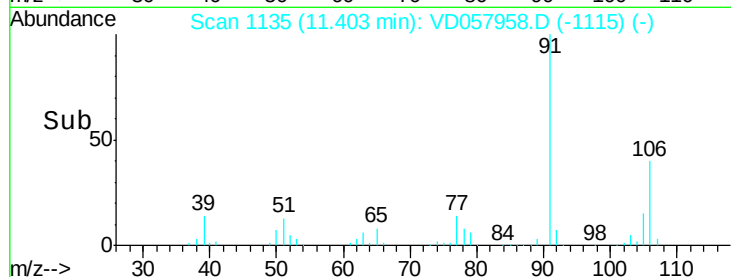
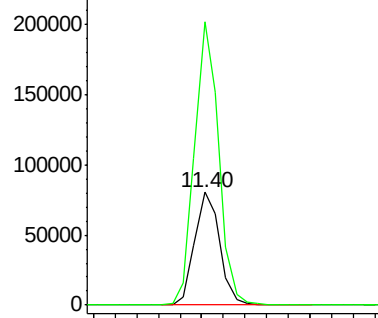
#69
o-Xylene
Concen: 11.03 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 130230
Ion Ratio Lower Upper
106 100
91 251.2 120.6 361.7

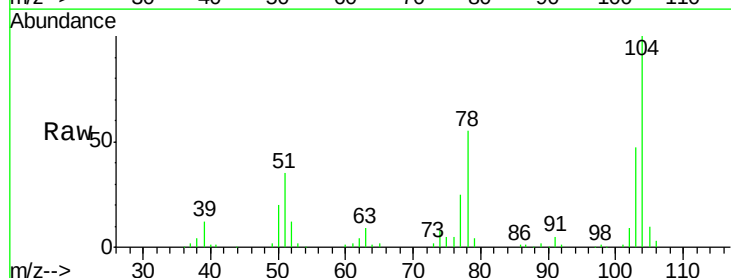


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

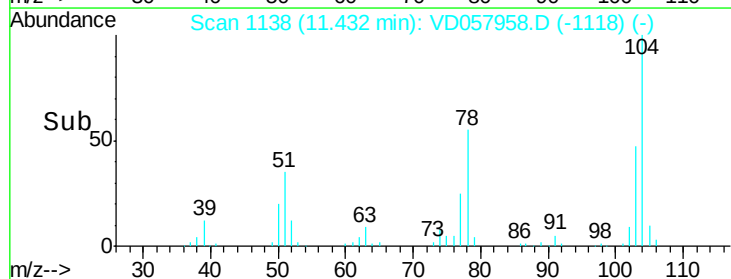
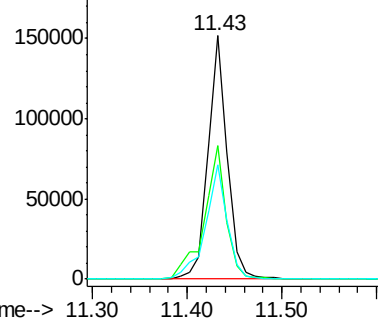


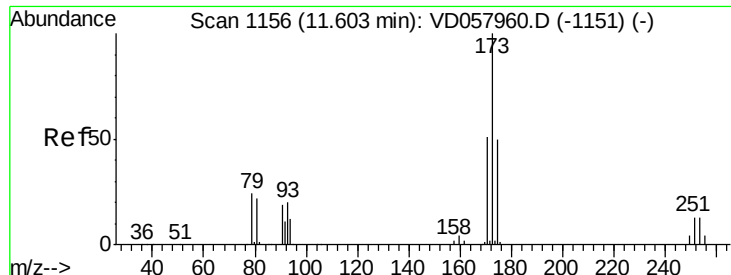
#70
Styrene
Concen: 10.93 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion:104 Resp: 213695
Ion Ratio Lower Upper
104 100
78 54.9 42.1 63.1
103 47.0 37.0 55.6



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

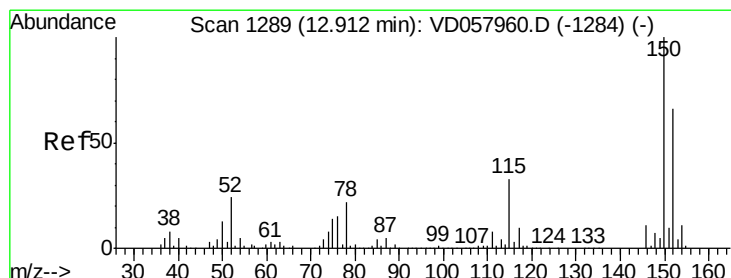
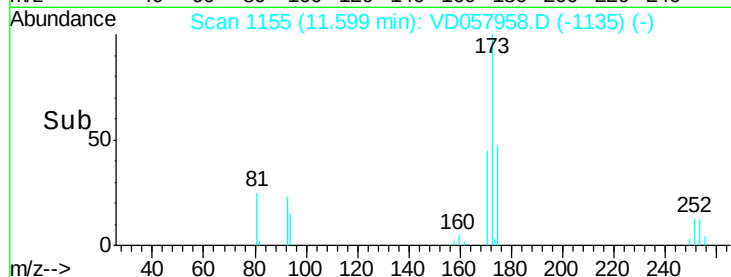
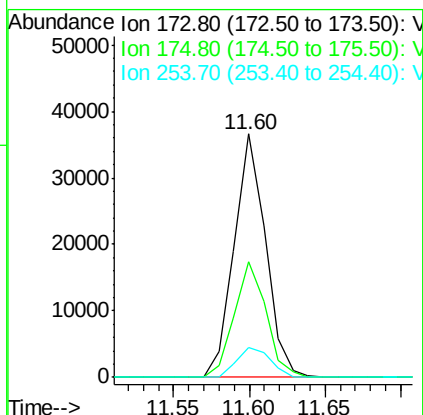
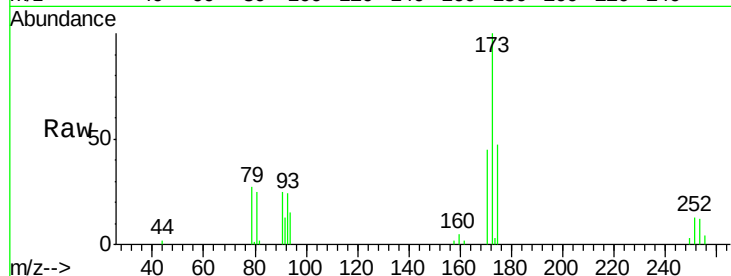




#71
Bromoform
Concen: 9.04 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

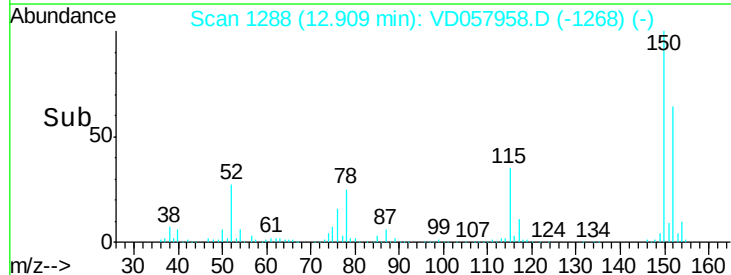
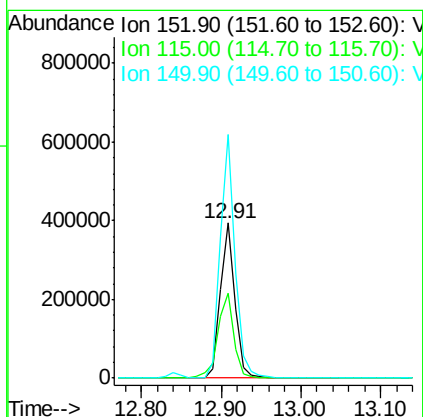
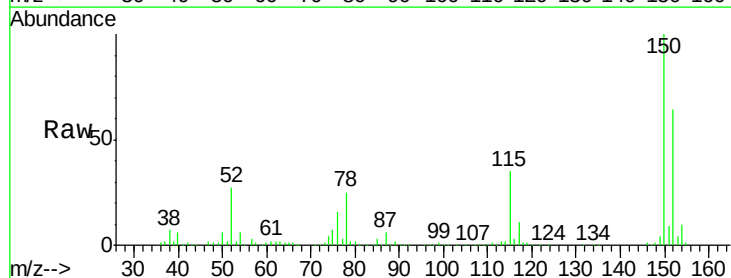
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

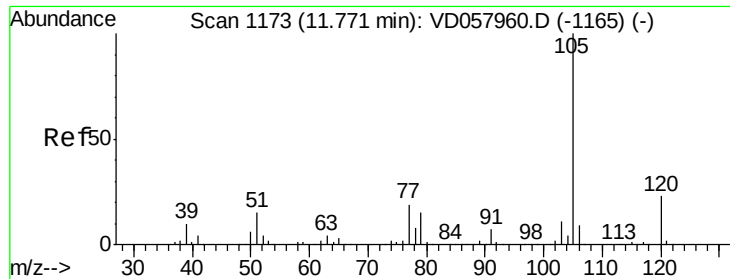
Tot Ion:173 Resp: 52811
Ion Ratio Lower Upper
173 100
175 47.3 25.1 75.2
254 12.2 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion:152 Resp: 512201
Ion Ratio Lower Upper
152 100
115 54.7 25.6 76.6
150 157.2 0.0 306.8





#73

Isopropylbenzene

Concen: 10.86 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

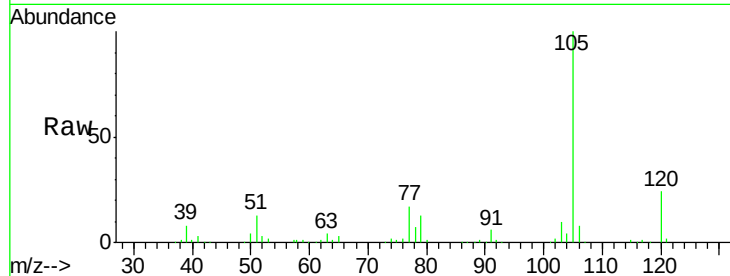
VSTDIC010

Tot Ion:105 Resp: 368396

Ion Ratio Lower Upper

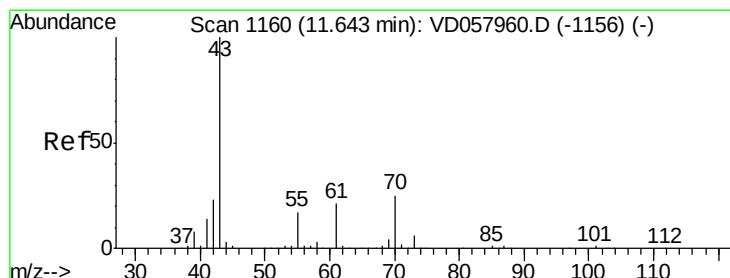
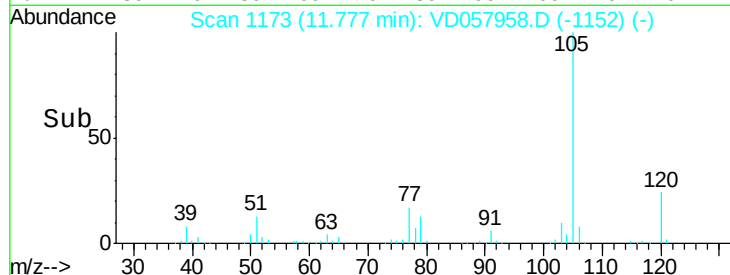
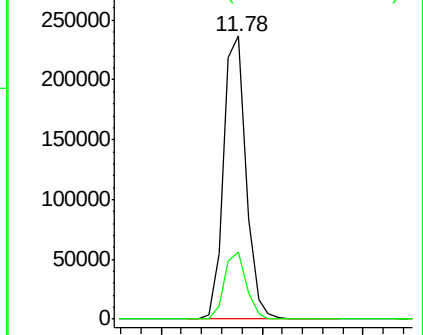
105 100

120 23.5 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.68 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Tgt Ion: 43 Resp: 126706

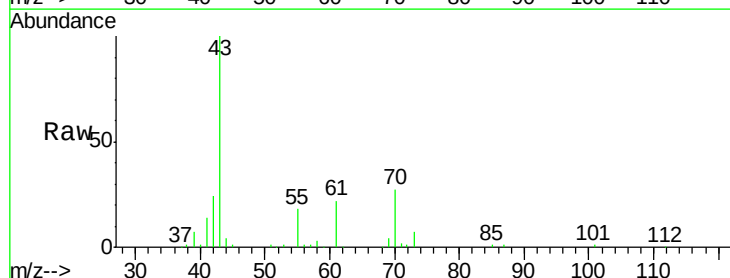
Ion Ratio Lower Upper

43 100

70 27.1 20.3 30.5

55 18.3 13.9 20.9

61 22.0 16.6 24.8

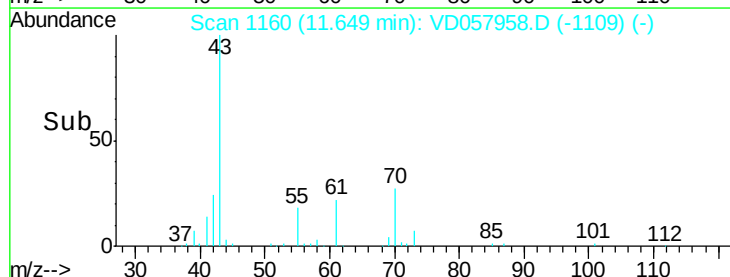
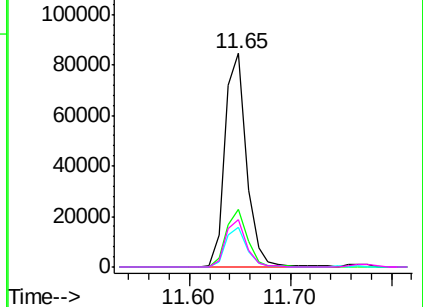


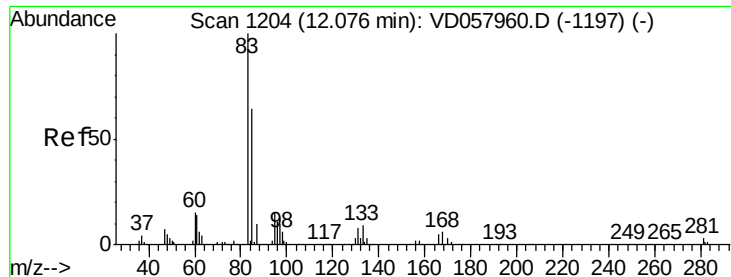
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 10.13 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

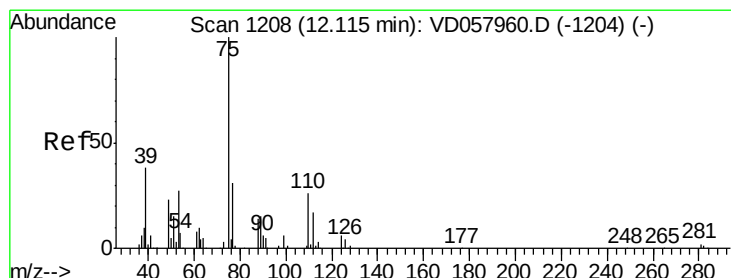
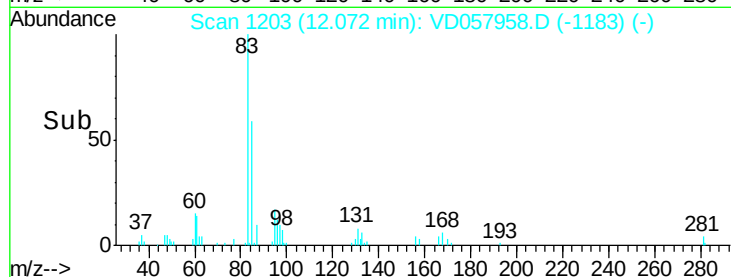
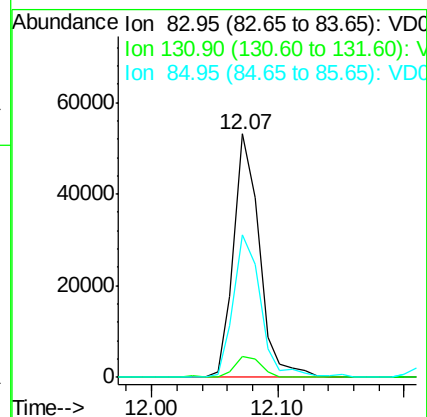
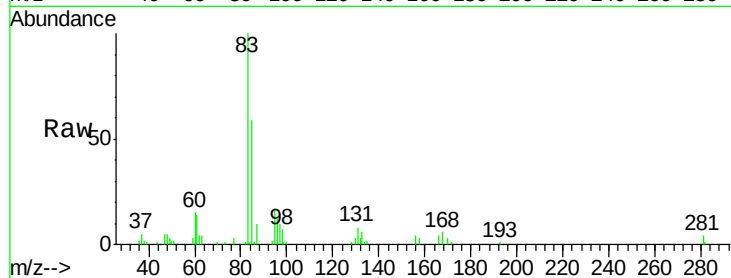
Tot Ion: 83 Resp: 74911

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.6

85 58.8 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 10.78 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD057958.D

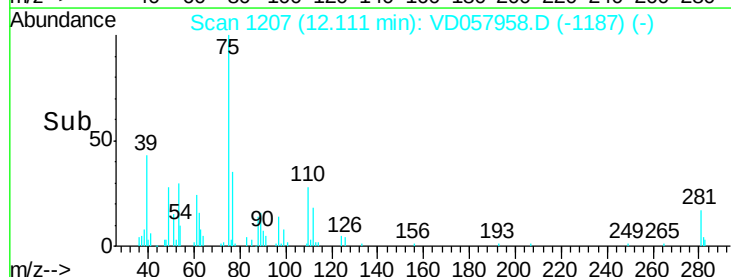
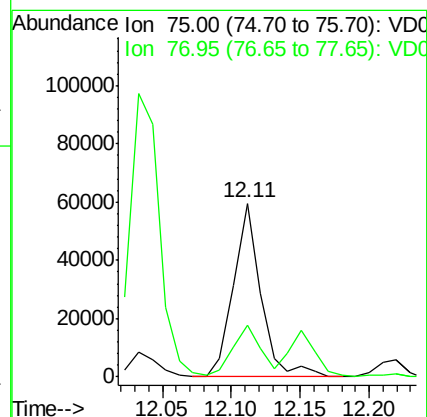
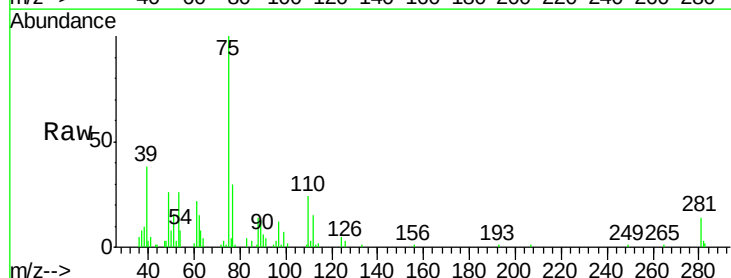
Acq: 6 Jun 2018 18:22

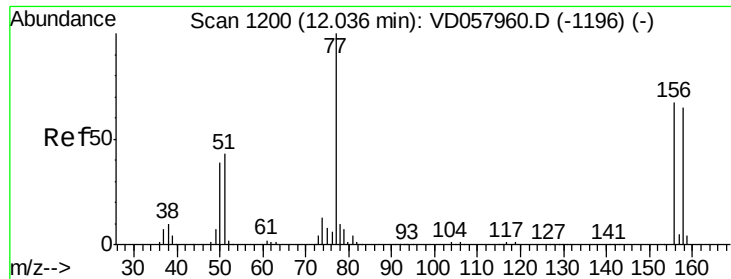
Tgt Ion: 75 Resp: 82916

Ion Ratio Lower Upper

75 100

77 29.9 16.7 50.1





#77

Bromobenzene

Concen: 10.24 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

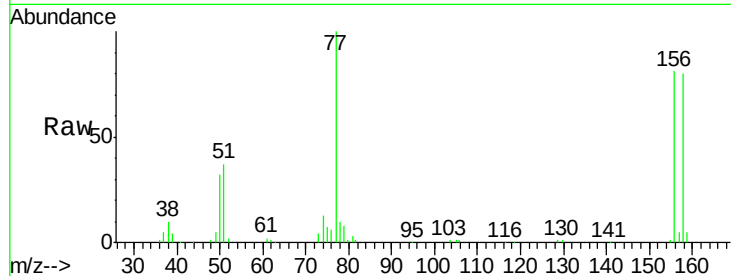
Tot Ion:156 Resp: 102865

Ion Ratio Lower Upper

156 100

77 122.9 75.0 224.8

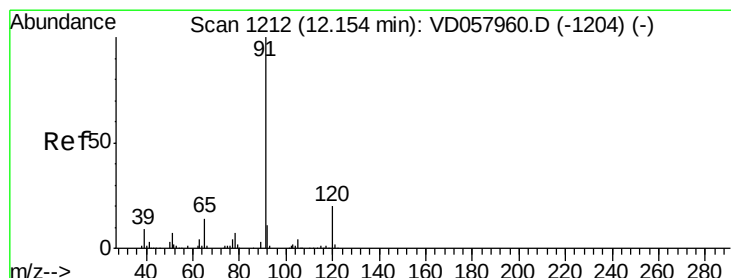
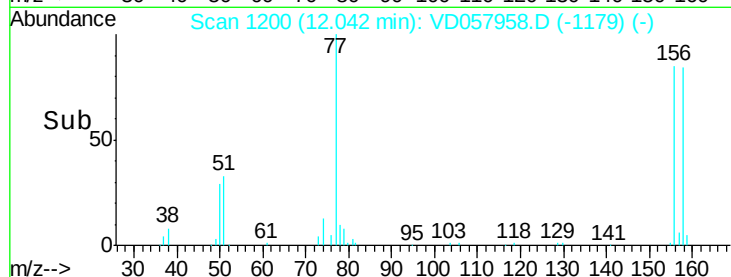
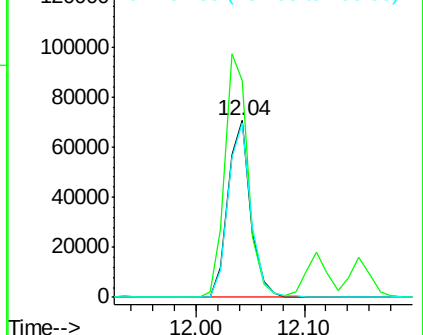
158 98.8 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 11.14 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD057958.D

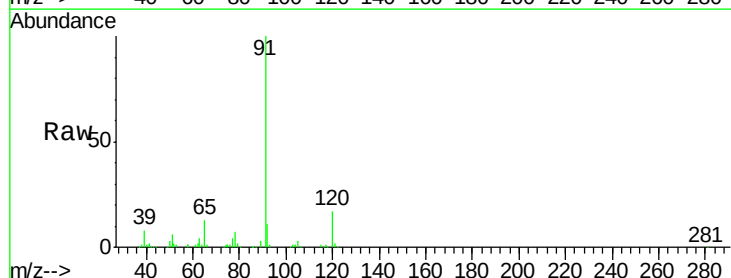
Acq: 6 Jun 2018 18:22

Tgt Ion: 91 Resp: 491590

Ion Ratio Lower Upper

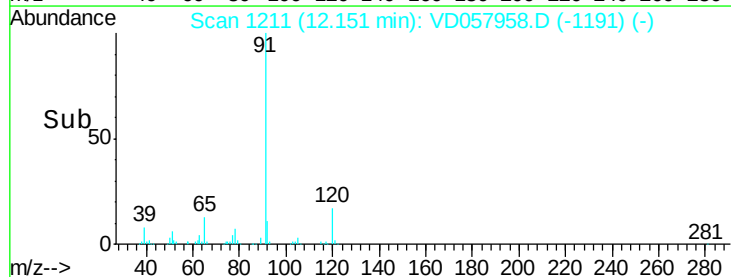
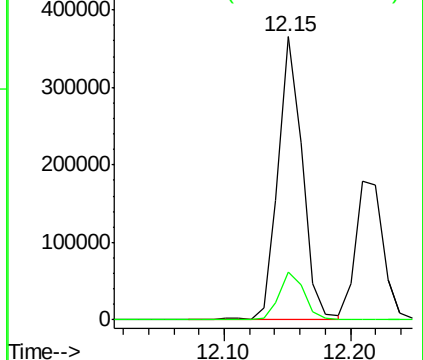
91 100

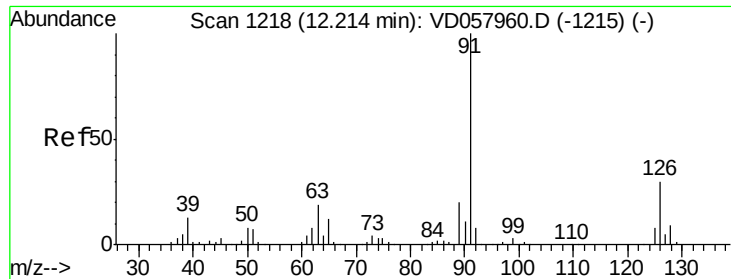
120 17.1 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

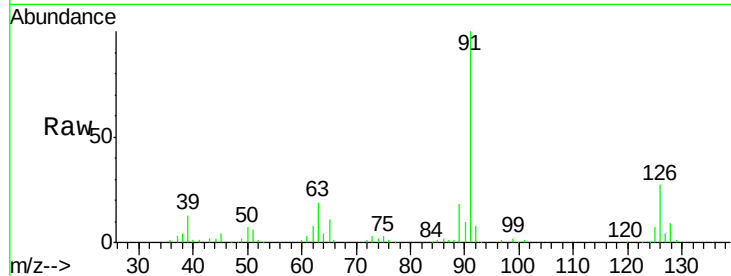




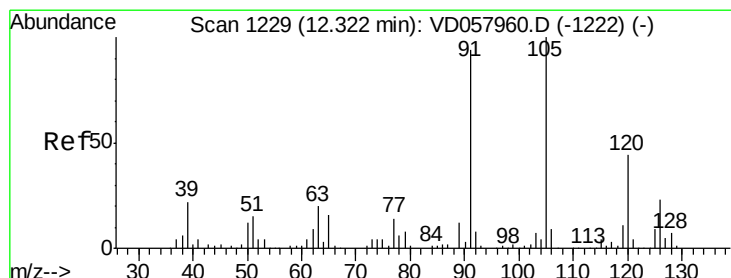
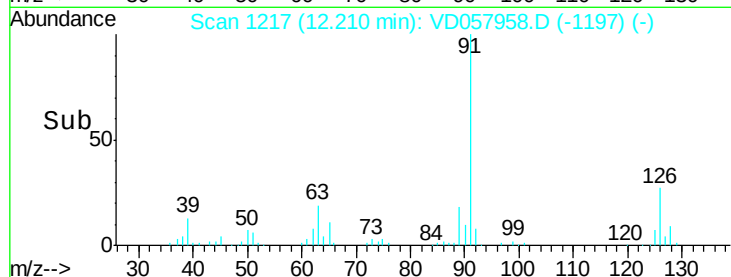
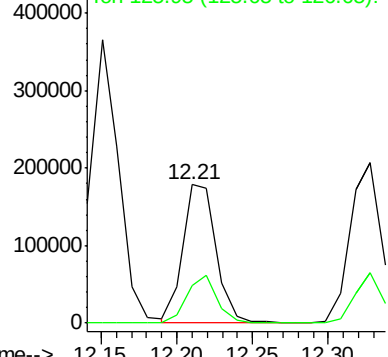
#79
 2-Chlorotoluene
 Concen: 10.82 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 272562
 Ion Ratio Lower Upper
 91 100
 126 27.0 14.6 44.0

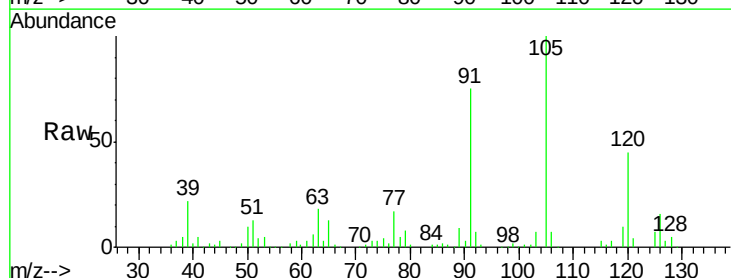


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

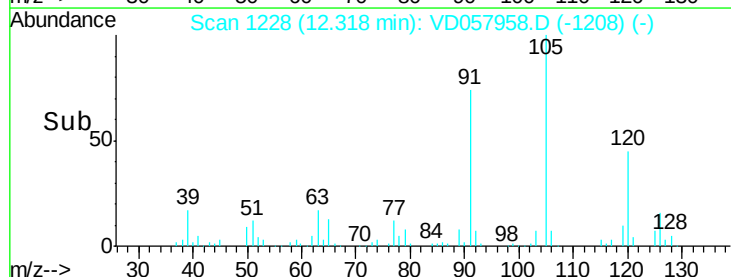
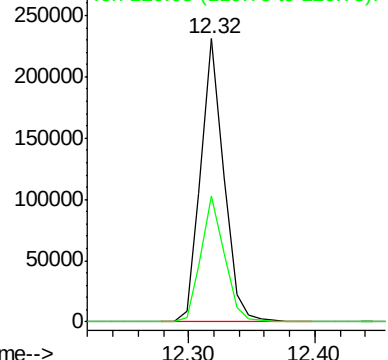


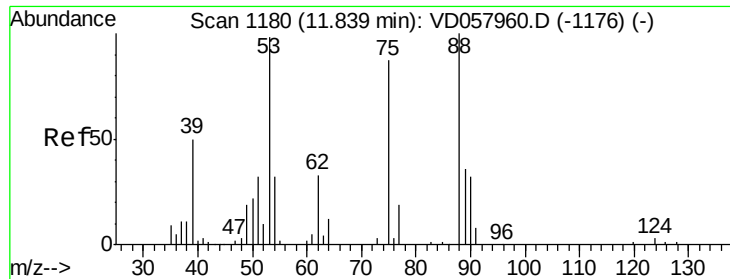
#80
 1,3,5-Trimethylbenzene
 Concen: 9.00 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Tgt Ion: 105 Resp: 292614
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 8.40 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

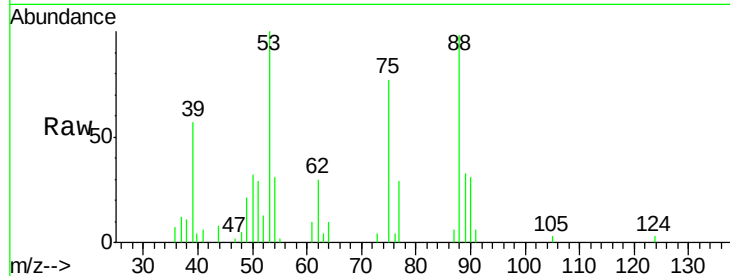
Tot Ion: 75 Resp: 16011

Ion Ratio Lower Upper

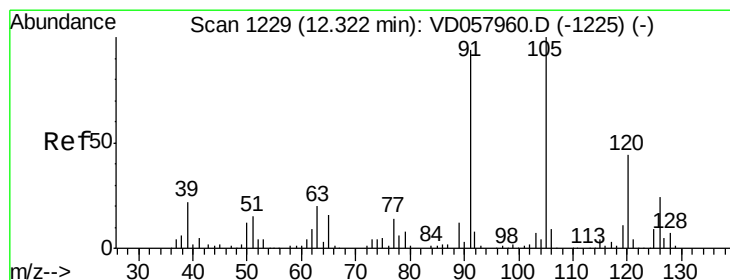
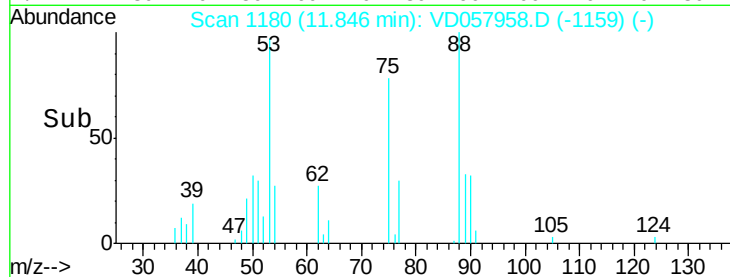
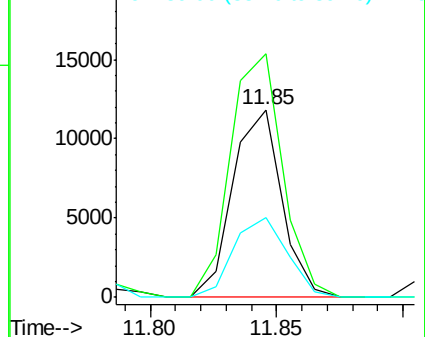
75 100

53 129.7 89.3 133.9

89 42.5 33.3 49.9



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



#82

4-Chlorotoluene

Concen: 11.15 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD057958.D

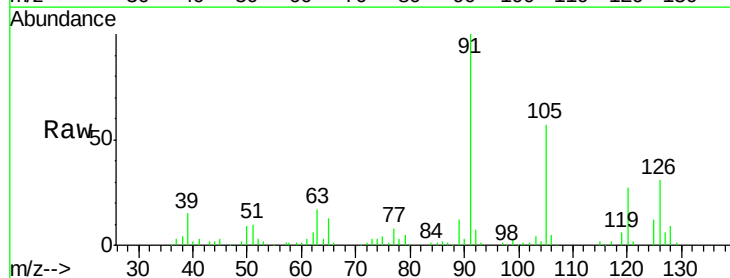
Acq: 6 Jun 2018 18:22

Tgt Ion: 91 Resp: 306620

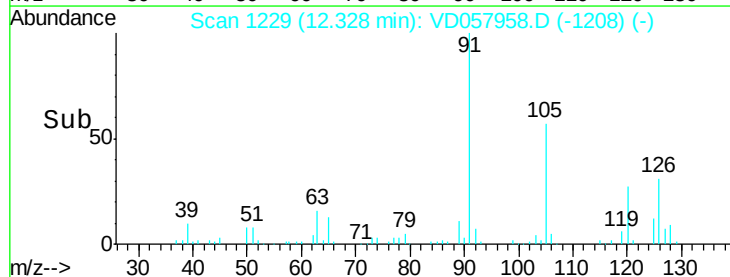
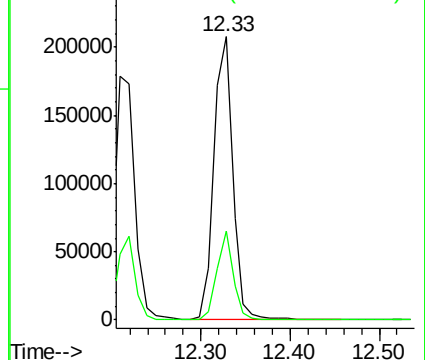
Ion Ratio Lower Upper

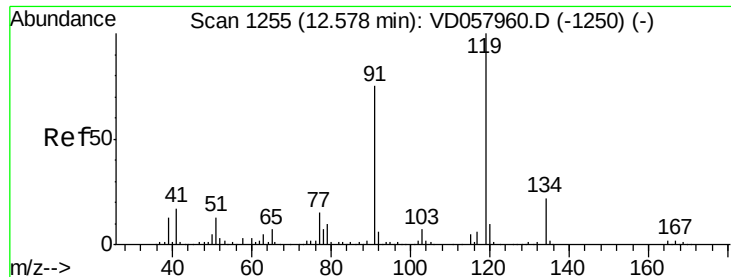
91 100

126 31.4 12.5 37.5



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

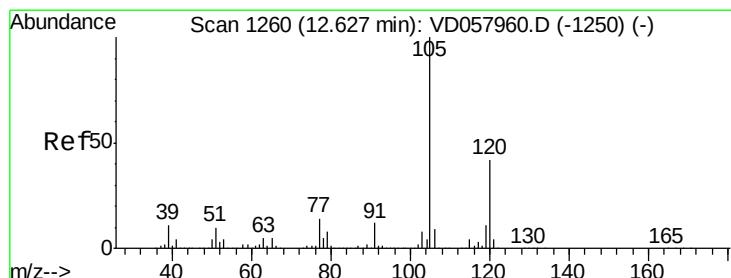
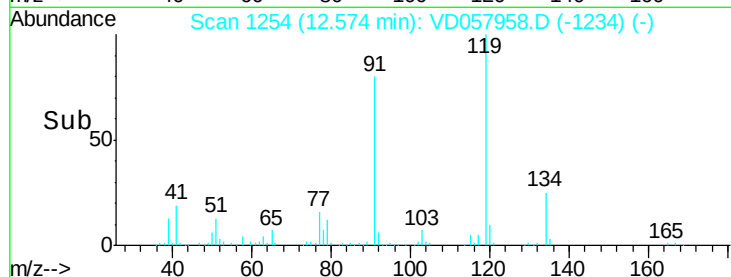
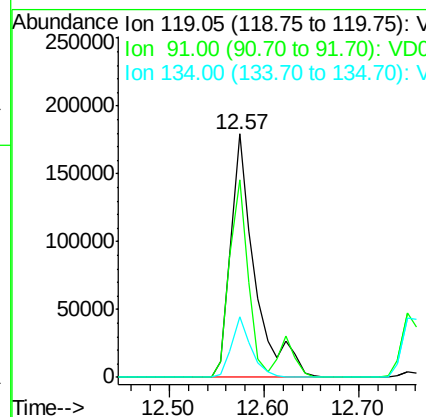
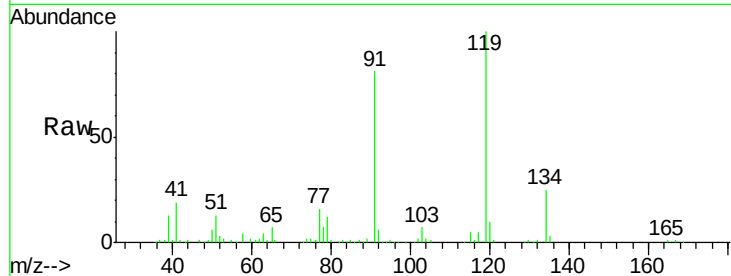




#83
 tert-Butylbenzene
 Concen: 10.61 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

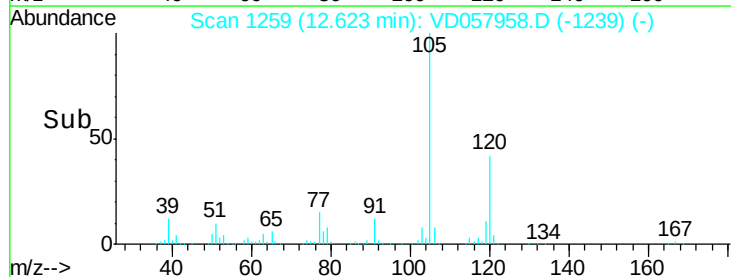
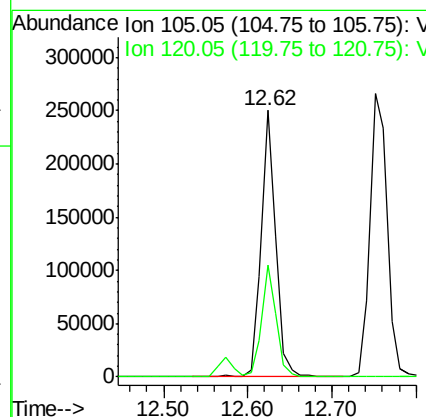
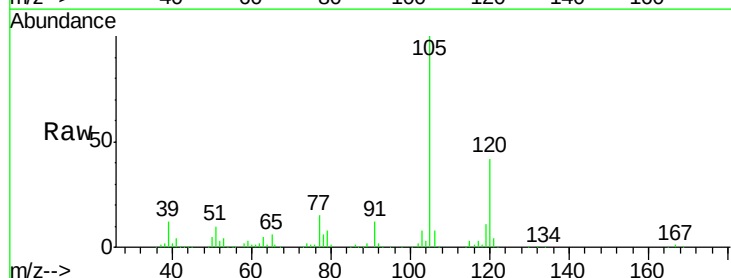
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

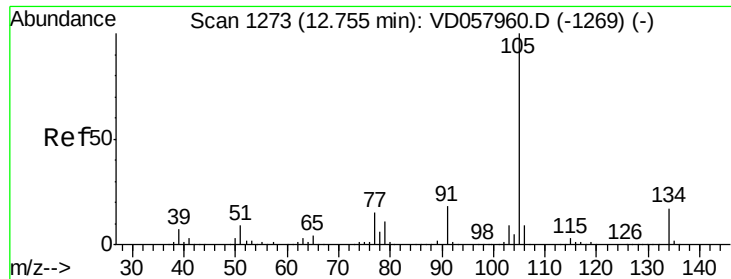
Tot Ion:119 Resp: 316869
 Ion Ratio Lower Upper
 119 100
 91 80.9 37.6 112.9
 134 24.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 10.80 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Tgt Ion:105 Resp: 307103
 Ion Ratio Lower Upper
 105 100
 120 41.8 21.2 63.6

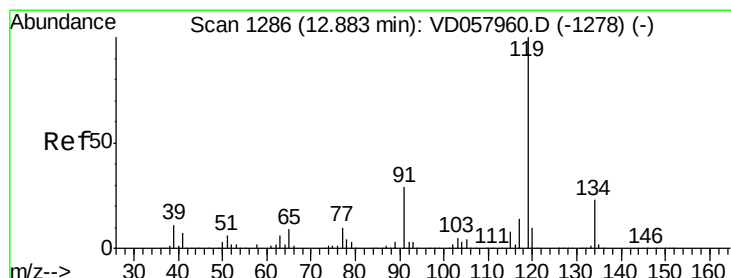
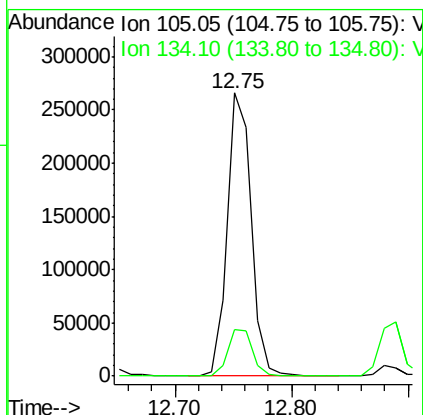
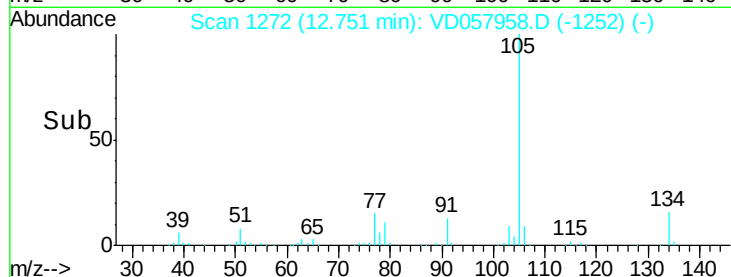
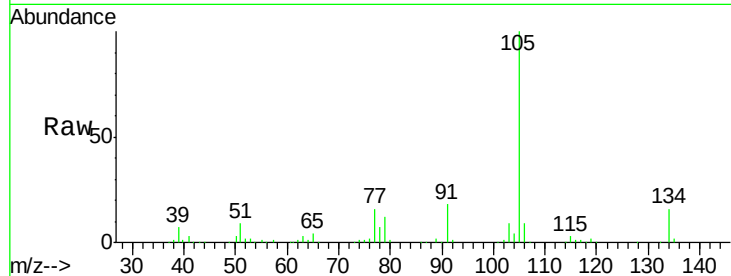




#85
 sec-Butylbenzene
 Concen: 10.49 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

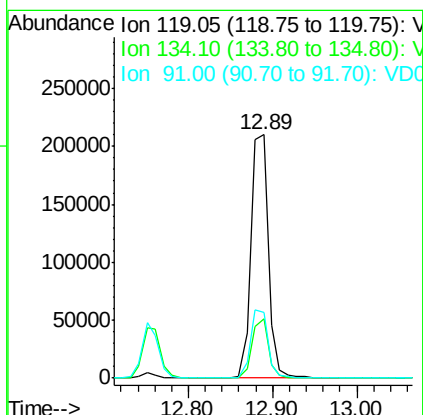
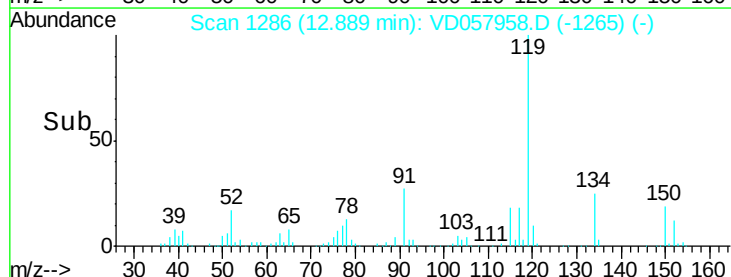
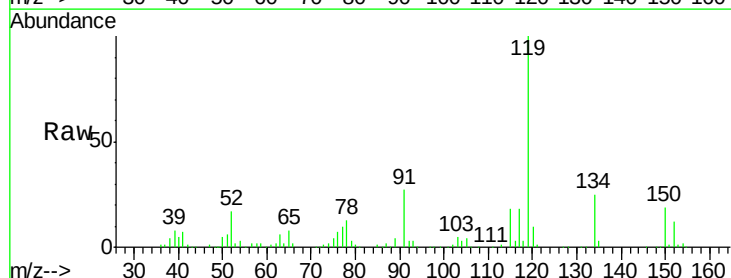
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

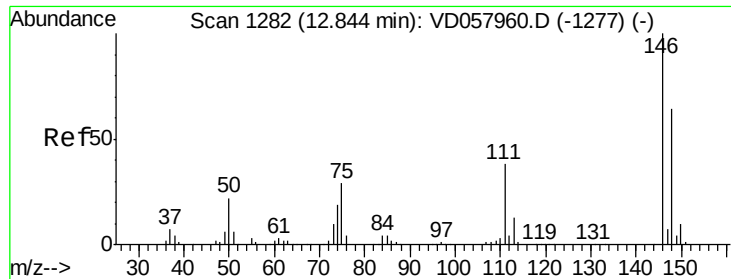
Tot Ion:105 Resp: 378127
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 10.48 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Tgt Ion:119 Resp: 304461
 Ion Ratio Lower Upper
 119 100
 134 24.5 11.5 34.4
 91 26.9 14.5 43.6

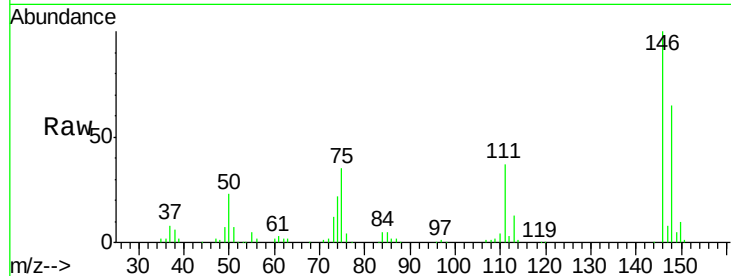




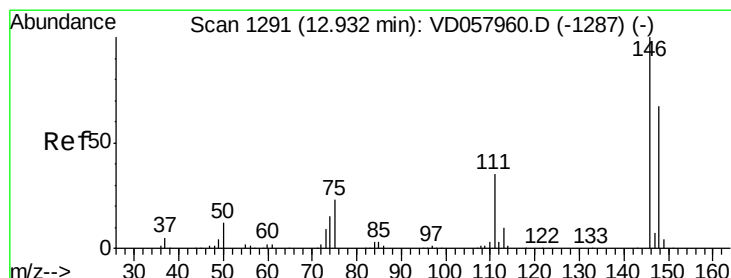
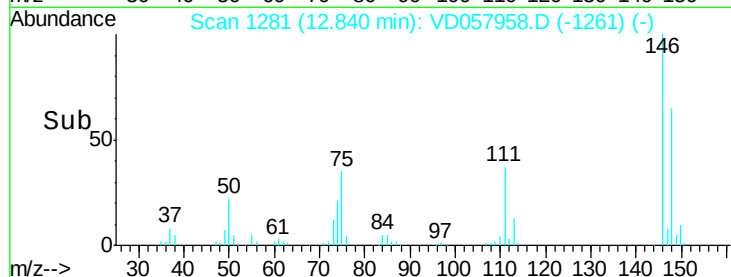
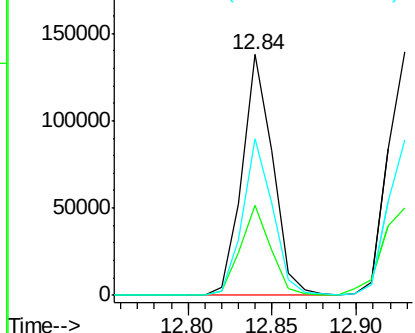
#87
 1,3-Dichlorobenzene
 Concen: 10.28 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 174644
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.3
 148 65.0 32.0 96.2

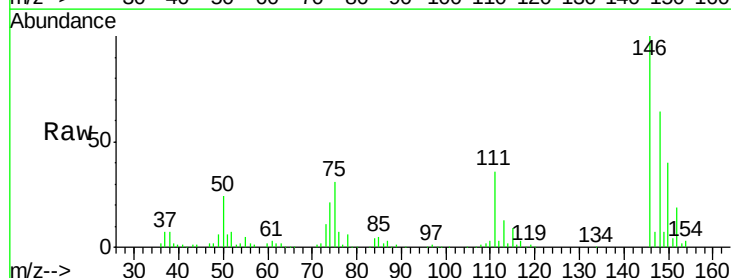


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

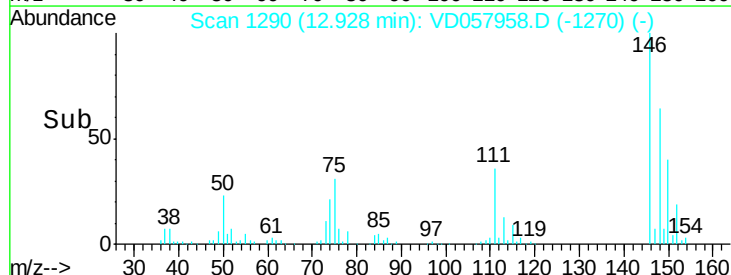
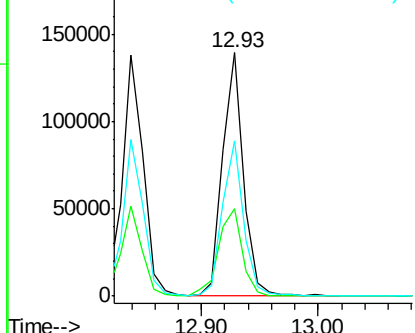


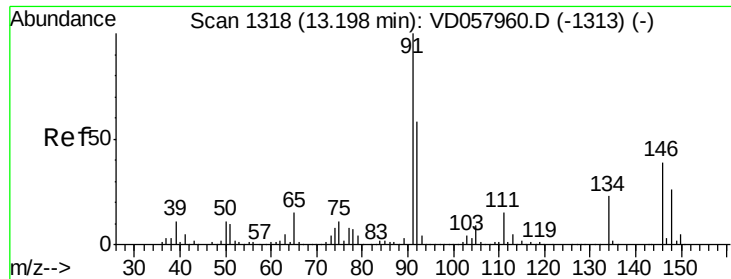
#88
 1,4-Dichlorobenzene
 Concen: 10.49 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Tgt Ion:146 Resp: 173632
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.3 52.0
 148 63.8 33.4 100.2



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

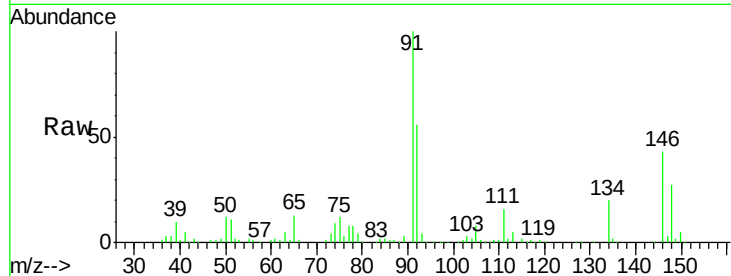




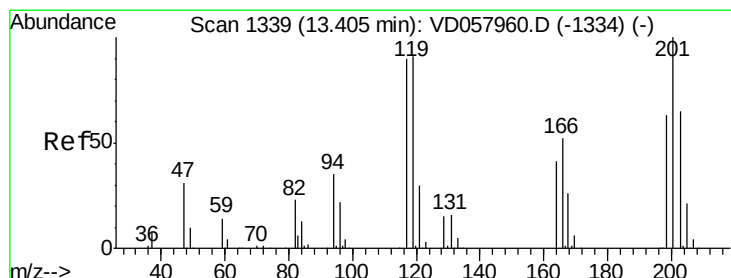
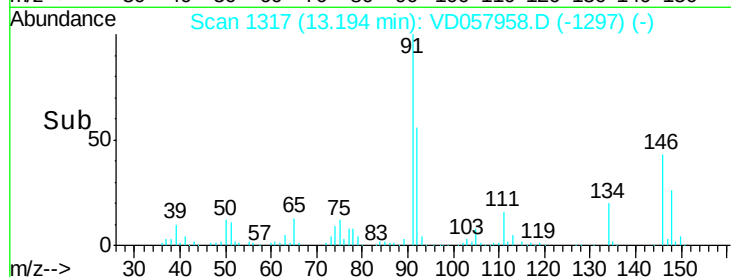
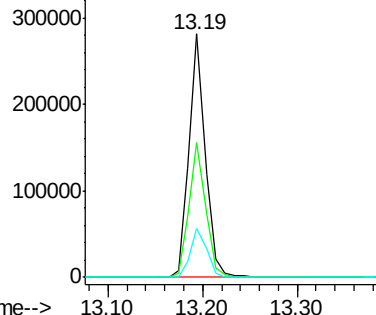
#89
n-Butylbenzene
Concen: 11.19 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 334631
Ion Ratio Lower Upper
91 100
92 55.6 29.2 87.6
134 20.1 11.3 33.9

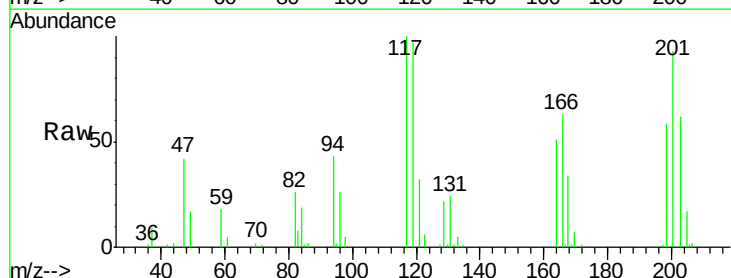


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

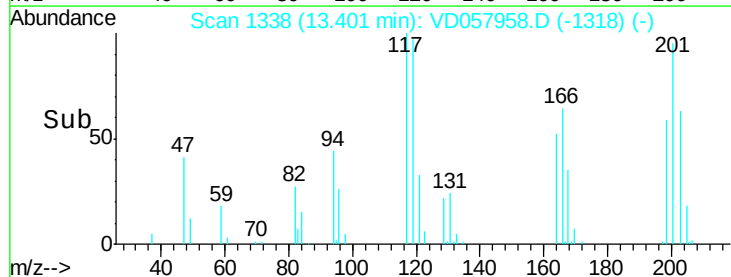
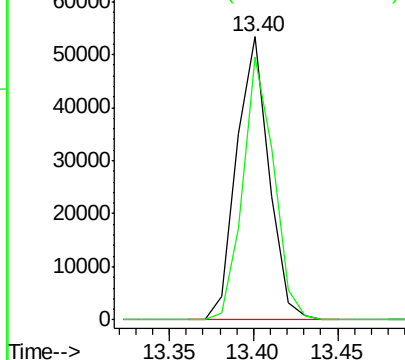


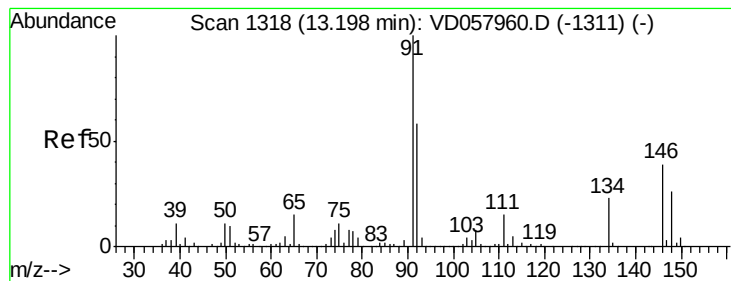
#90
Hexachloroethane
Concen: 9.56 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion: 117 Resp: 70904
Ion Ratio Lower Upper
117 100
201 92.9 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 11.03 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

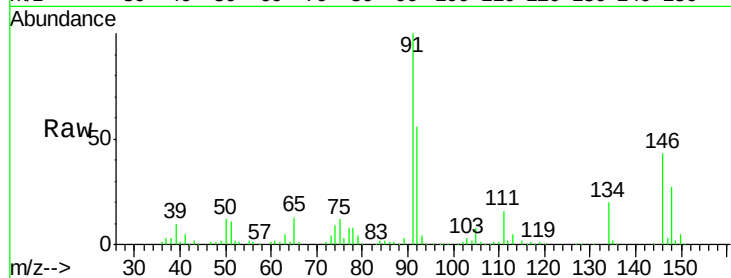
Tot Ion:146 Resp: 151364

Ion Ratio Lower Upper

146 100

111 37.3 19.4 58.2

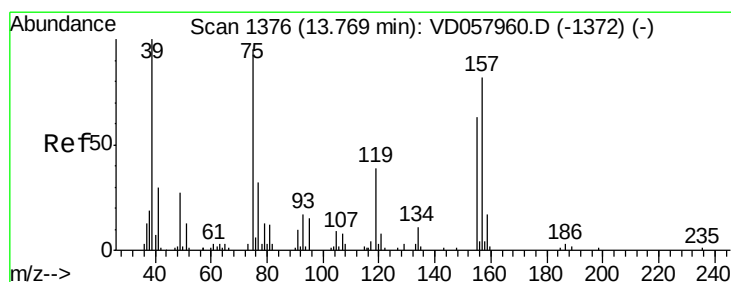
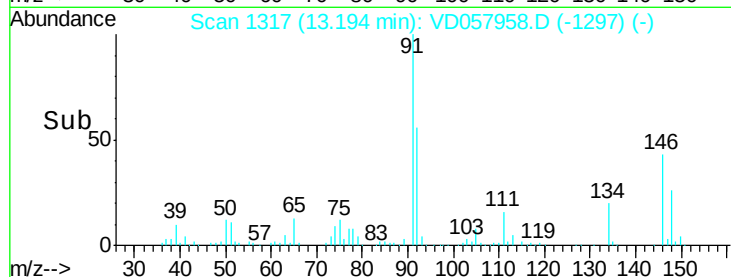
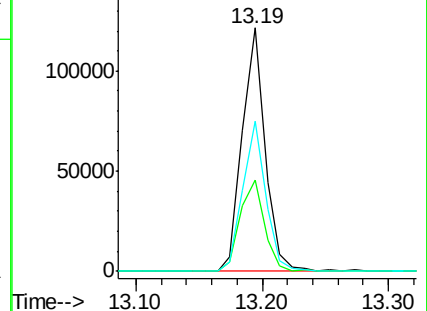
148 61.5 32.6 98.0



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: 9.22 ug/l

RT: 13.78 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VD057958.D

Acq: 6 Jun 2018 18:22

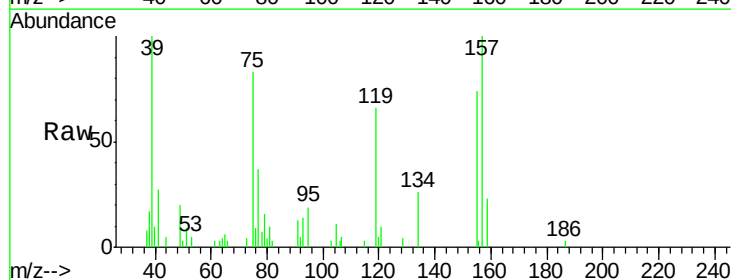
Tgt Ion: 75 Resp: 10525

Ion Ratio Lower Upper

75 100

155 89.5 33.4 100.1

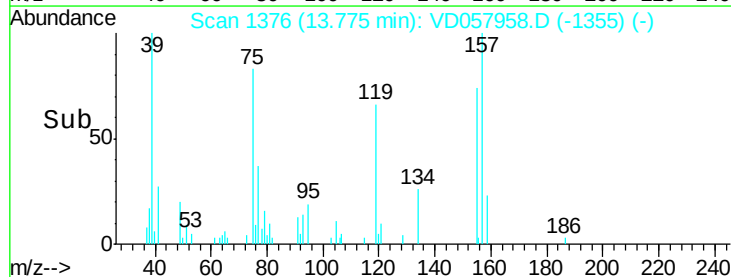
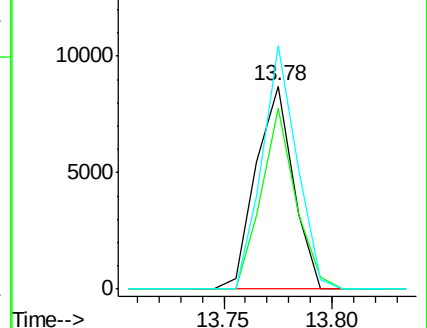
157 120.1 42.9 128.5

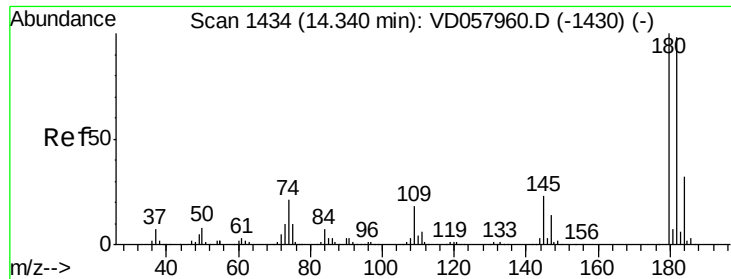


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

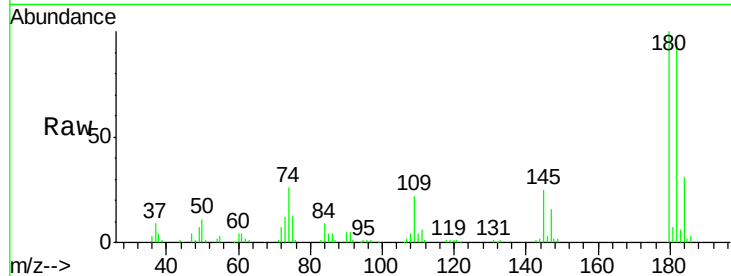




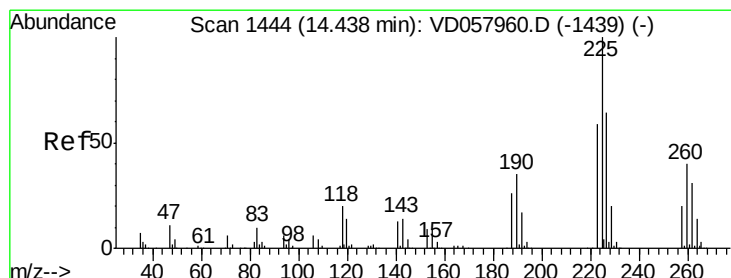
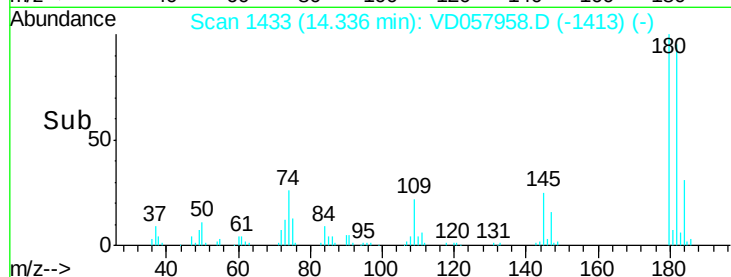
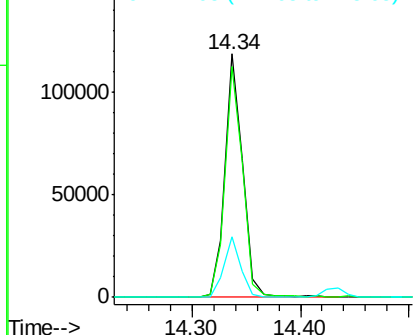
#93
 1,2,4-Trichlorobenzene
 Concen: 10.54 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 135199
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.0 147.2
 145 24.9 11.8 35.3

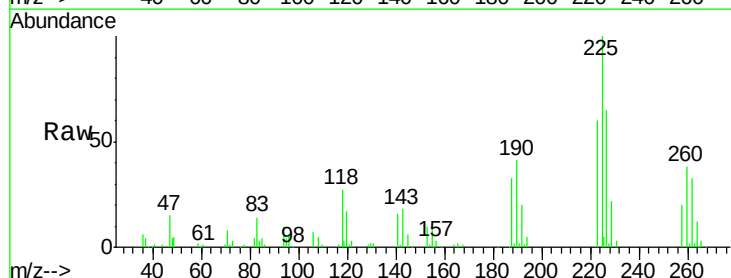


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

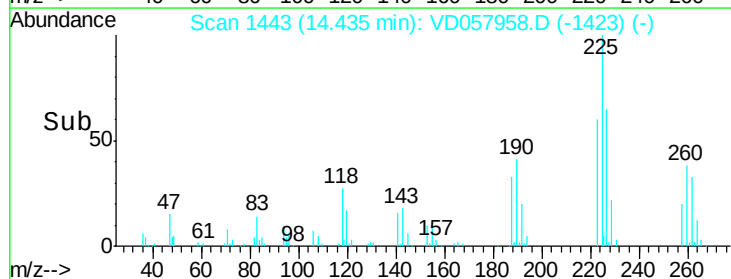
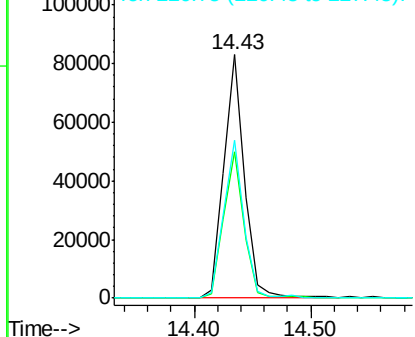


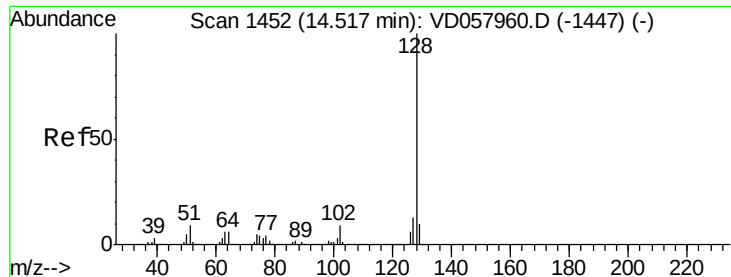
#94
 Hexachlorobutadiene
 Concen: 10.05 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD057958.D
 Acq: 6 Jun 2018 18:22

Tgt Ion:225 Resp: 101400
 Ion Ratio Lower Upper
 225 100
 223 60.0 29.5 88.6
 227 65.1 32.0 96.0



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

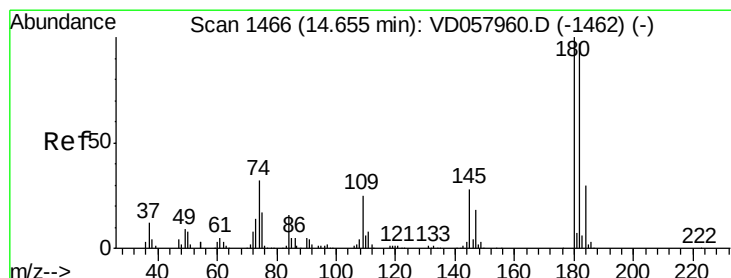
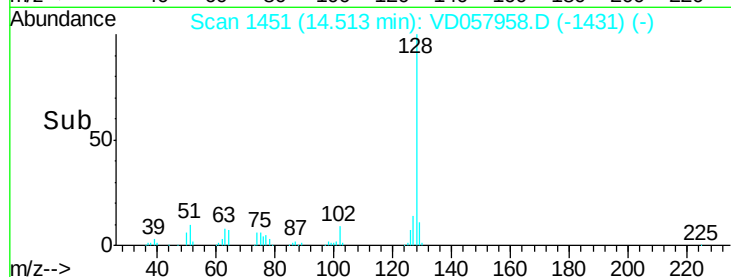
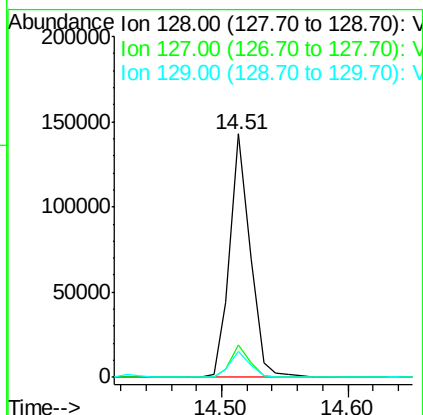
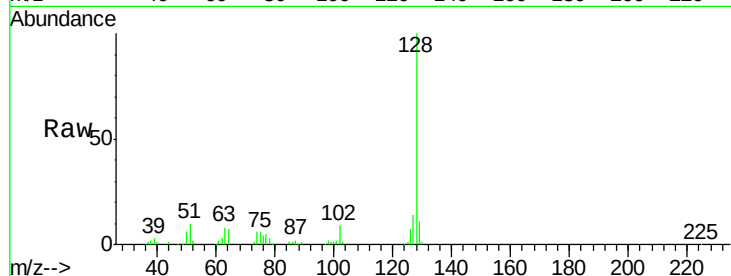




#95
Naphthalene
Concen: 9.76 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 161404
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 10.7 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 9.92 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.01 min
Lab File: VD057958.D
Acq: 6 Jun 2018 18:22

Tgt Ion:180 Resp: 108386
Ion Ratio Lower Upper
180 100
182 100.8 48.5 145.5
145 25.8 14.2 42.8

