

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060618\
 Data File : VD057962.D
 Acq On : 6 Jun 2018 20:14
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 07 08:22:49 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	894978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1231554	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	999315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	481828	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	882032	98.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.16%	
35) Dibromofluoromethane	5.56	113	919542	96.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.00%	
50) Toluene-d8	8.71	98	2099316	92.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.34%	
62) 4-Bromofluorobenzene	11.93	95	892874	90.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	1176445	97.94	ug/l	98
3) Chloromethane	1.49	50	589630	99.67	ug/l	97
4) Vinyl Chloride	1.56	62	632740	110.50	ug/l	98
5) Bromomethane	1.80	94	205651	91.63	ug/l	99
6) Chloroethane	1.89	64	192817	85.35	ug/l	92
7) Trichlorofluoromethane	2.09	101	762211	97.37	ug/l	97
8) Diethyl Ether	2.35	74	167408	115.13	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	491290	105.22	ug/l	98
10) Methyl Iodide	2.69	142	744029	123.50	ug/l	92
11) Tert butyl alcohol	3.27	59	128187	534.80	ug/l	98
12) 1,1-Dichloroethene	2.55	96	381692	106.34	ug/l	98
13) Acrolein	2.48	56	188729	549.79	ug/l	100
14) Allyl chloride	2.93	41	906992	109.54	ug/l	96
15) Acrylonitrile	3.36	53	731614	521.75	ug/l	97
16) Acetone	2.63	43	674273	523.06	ug/l	98
17) Carbon Disulfide	2.76	76	1463220	112.53	ug/l	99
18) Methyl Acetate	2.94	43	261029	104.67	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	1655075	104.79	ug/l	100
20) Methylene Chloride	3.08	84	399118	90.59	ug/l	98
21) trans-1,2-Dichloroethene	3.39	96	779416	97.49	ug/l	97
22) Diisopropyl ether	4.08	45	3242070	98.83	ug/l	97
23) Vinyl Acetate	4.03	43	8926613	526.68	ug/l	100
24) 1,1-Dichloroethane	3.98	63	1814132	100.63	ug/l	99
25) 2-Butanone	4.85	43	1526202	520.95	ug/l	97
26) 2,2-Dichloropropane	4.80	77	1496435	100.76	ug/l	94
27) cis-1,2-Dichloroethene	4.81	96	931296	98.22	ug/l	99
28) Bromochloromethane	5.16	49	808186	103.57	ug/l	91
29) Tetrahydrofuran	5.19	42	786291	511.99	ug/l	100
30) Chloroform	5.33	83	1858762	102.44	ug/l	100
31) Cyclohexane	5.60	56	1361749	87.53	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	1616417	106.40	ug/l	98
36) 1,1-Dichloropropene	5.76	75	1251851	92.26	ug/l	97
37) Ethyl Acetate	4.93	43	754812	101.95	ug/l	99
38) Carbon Tetrachloride	5.73	117	1371374	102.55	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	1274476	94.75	ug/l	99
40) Benzene	6.02	78	2875143	90.71	ug/l	100
41) Methacrylonitrile	5.14	41	354865	104.83	ug/l	97
42) 1,2-Dichloroethane	6.13	62	1337276	104.35	ug/l	99
43) Isopropyl Acetate	7.62	43	1050074	108.28	ug/l	100
44) Trichloroethene	6.99	130	909642	98.25	ug/l	99
45) 1,2-Dichloropropane	7.35	63	861714	97.82	ug/l	98
46) Dibromomethane	7.47	93	591050	104.44	ug/l	99
47) Bromodichloromethane	7.74	83	1393200	105.14	ug/l	97
48) Methyl methacrylate	7.51	41	642048	107.57	ug/l	99
49) 1,4-Dioxane	7.49	88	106354	2150.89	ug/l	96
51) 4-Methyl-2-Pentanone	8.60	43	3021791	485.81	ug/l	99
52) Toluene	8.81	92	1639518	90.13	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	1182709	103.60	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	1373795	102.14	ug/l	92
55) 1,1,2-Trichloroethane	9.46	97	582800	98.99	ug/l	97
56) Ethyl methacrylate	9.32	69	743095	102.90	ug/l	96
57) 1,3-Dichloropropane	9.67	76	1048887	101.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	1687371	462.46	ug/l	97
59) 2-Hexanone	9.79	43	2257403	495.23	ug/l	98
60) Dibromochloromethane	9.96	129	929662	111.98	ug/l	100
61) 1,2-Dibromoethane	10.10	107	710043	104.87	ug/l	91
64) Tetrachloroethene	9.52	164	876459	98.11	ug/l	98
65) Chlorobenzene	10.73	112	1950997	96.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	762627	98.12	ug/l	97
67) Ethyl Benzene	10.86	91	3196274	87.45	ug/l	96
68) m/p-Xylenes	11.01	106	2109339	177.03	ug/l	87
69) o-Xylene	11.41	106	1071370	90.59	ug/l	98
70) Styrene	11.44	104	1769258	90.37	ug/l	99
71) Bromoform	11.60	173	679939	116.29	ug/l	97
73) Isopropylbenzene	11.77	105	3106673	97.35	ug/l	98
74) N-amyl acetate	11.64	43	1295817	105.22	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	710846	102.16	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	725160	100.19	ug/l	99
77) Bromobenzene	12.05	156	968838	102.56	ug/l	78
78) n-propylbenzene	12.15	91	3766819	90.71	ug/l	99
79) 2-Chlorotoluene	12.21	91	2321214	97.98	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	2343540	76.62	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	207309	115.64	ug/l	96
82) 4-Chlorotoluene	12.33	91	2300388	88.89	ug/l	89
83) tert-Butylbenzene	12.58	119	2782869	99.02	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	2620723	97.93	ug/l	97
85) sec-Butylbenzene	12.75	105	3258495	96.07	ug/l	99
86) p-Isopropyltoluene	12.88	119	2663379	97.43	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	1534389	96.02	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	1542438	99.07	ug/l	97
89) n-Butylbenzene	13.20	91	2392606	85.05	ug/l	99
90) Hexachloroethane	13.40	117	744706	106.74	ug/l	98
91) 1,2-Dichlorobenzene	13.20	146	1171023	90.68	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	121458	113.10	ug/l	91

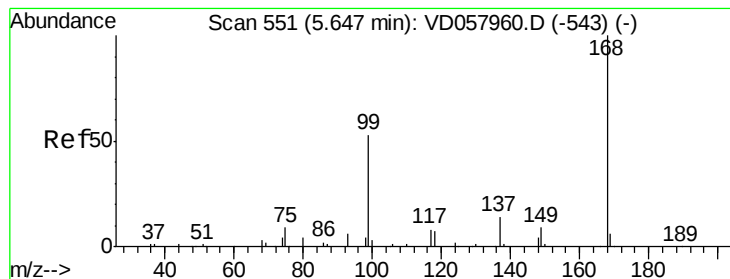
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	1215236	100.73	ug/l	100
94) Hexachlorobutadiene	14.44	225	1000490	105.43	ug/l	99
95) Naphthalene	14.52	128	1685879	108.38	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	1073026	104.36	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

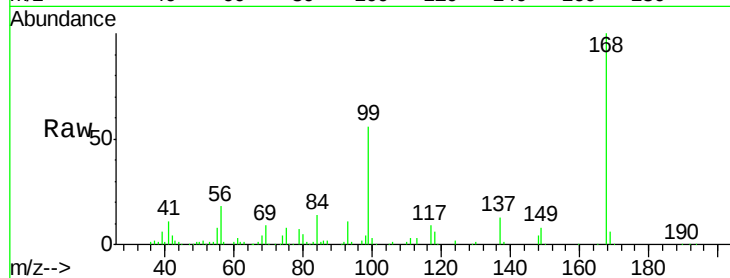
VSTDIC100

Tot Ion:168 Resp: 894978

Ion Ratio Lower Upper

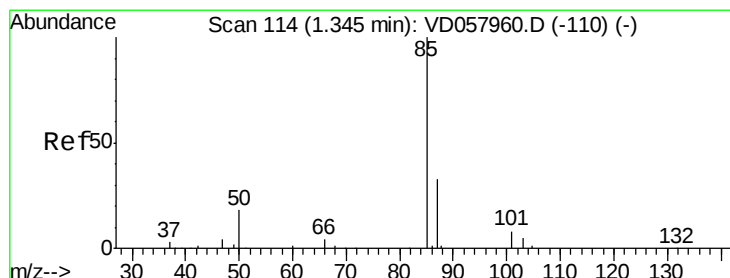
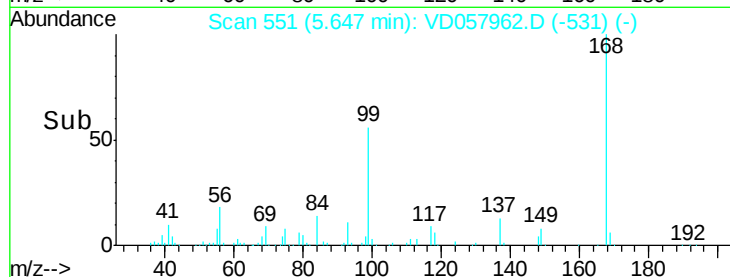
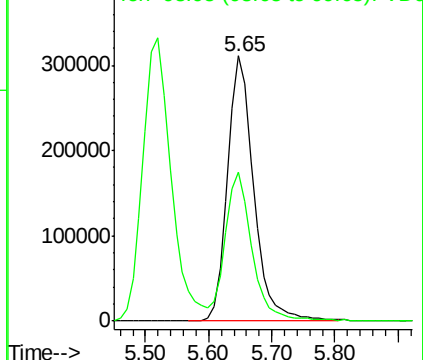
168 100

99 56.1 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: 97.94 ug/l

RT: 1.35 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD057962.D

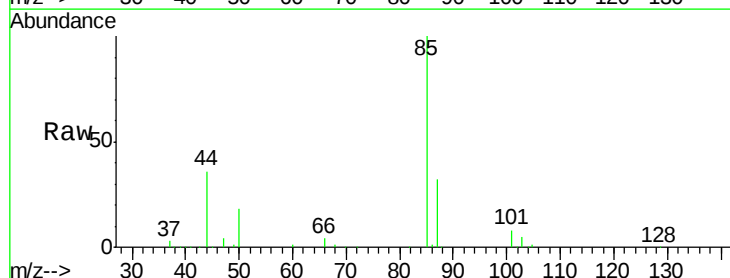
Acq: 6 Jun 2018 20:14

Tgt Ion: 85 Resp: 1176445

Ion Ratio Lower Upper

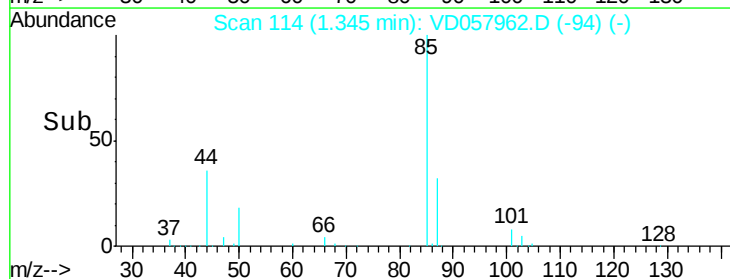
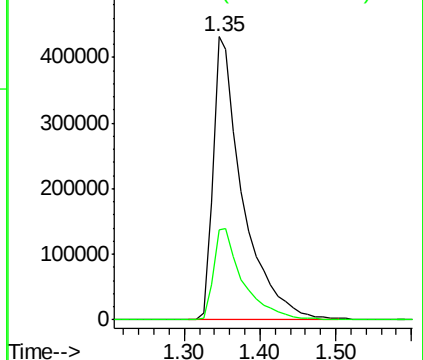
85 100

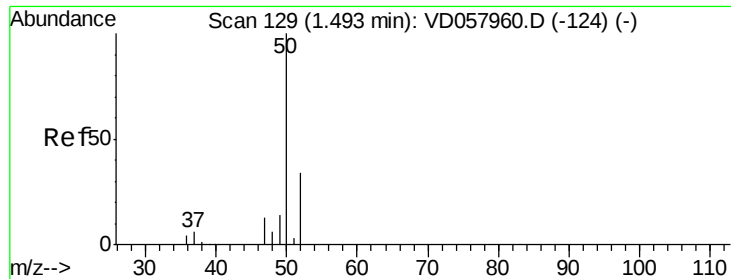
87 31.9 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 99.67 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

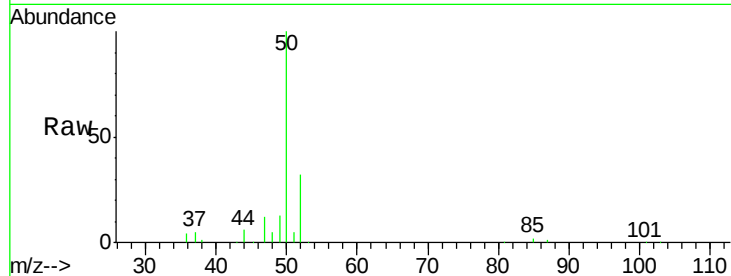
VSTDIC100

Tot Ion: 50 Resp: 589630

Ion Ratio Lower Upper

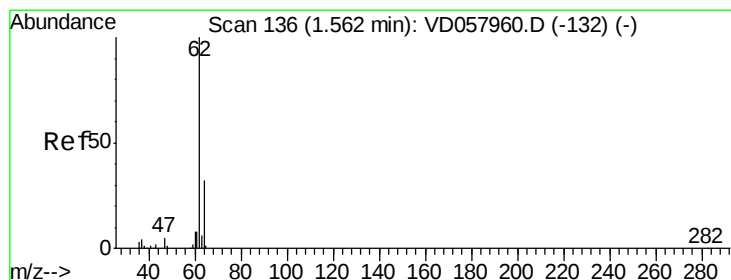
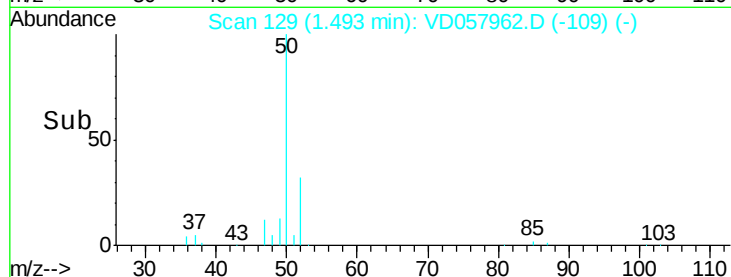
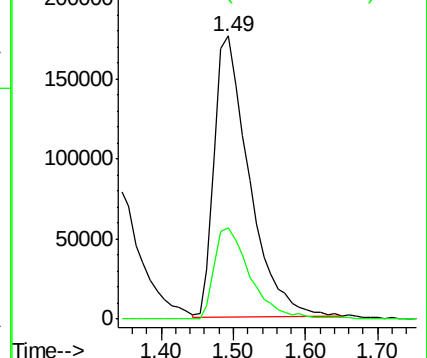
50 100

52 32.1 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 110.50 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD057962.D

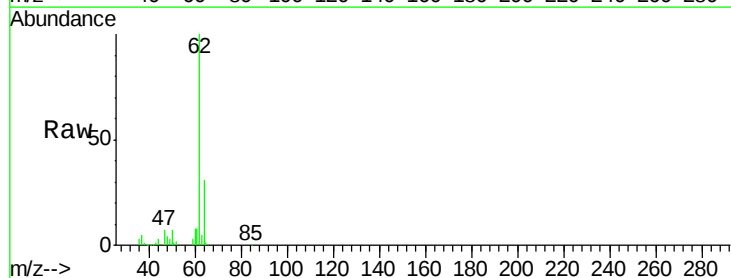
Acq: 6 Jun 2018 20:14

Tgt Ion: 62 Resp: 632740

Ion Ratio Lower Upper

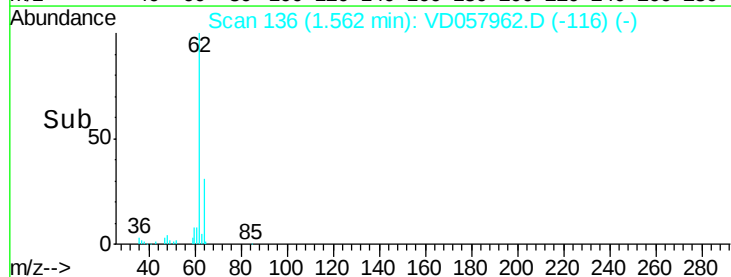
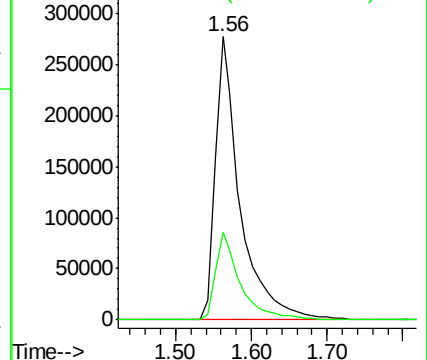
62 100

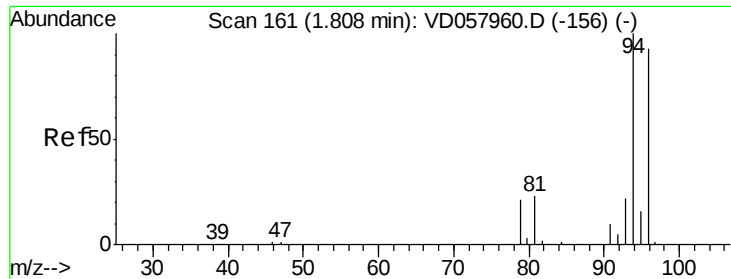
64 30.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 91.63 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

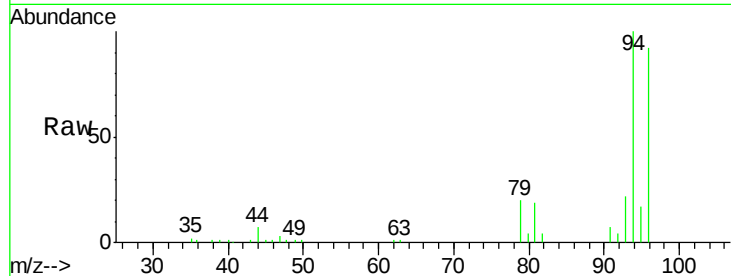
VSTDIC100

Tot Ion: 94 Resp: 205651

Ion Ratio Lower Upper

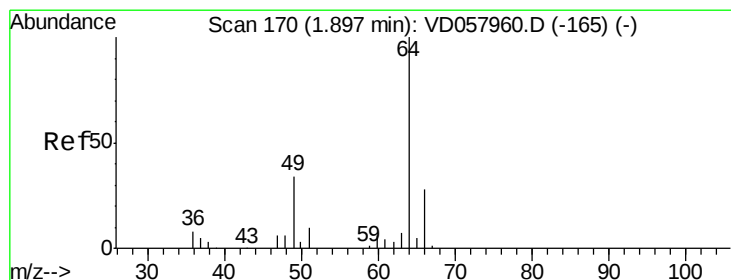
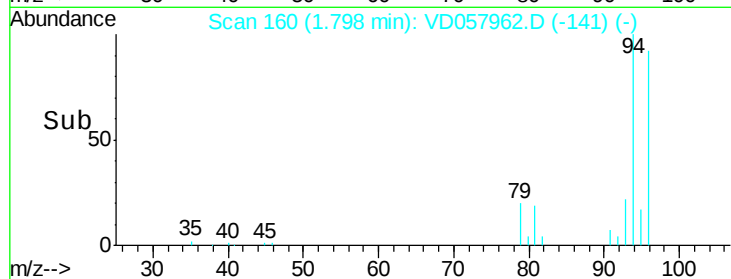
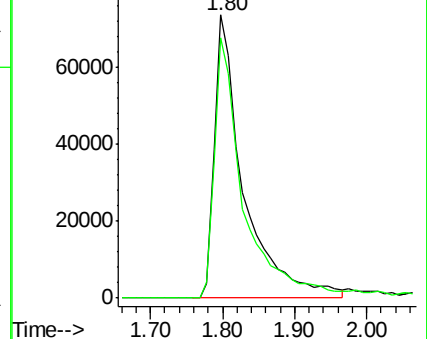
94 100

96 92.2 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: 85.35 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD057962.D

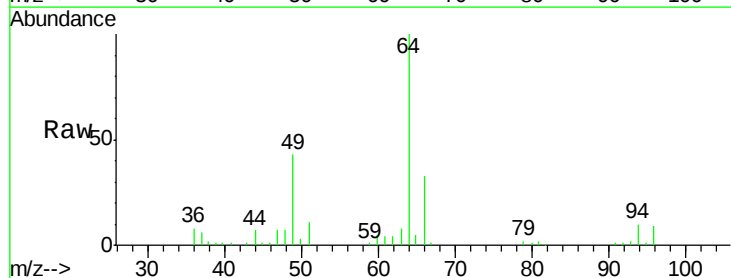
Acq: 6 Jun 2018 20:14

Tgt Ion: 64 Resp: 192817

Ion Ratio Lower Upper

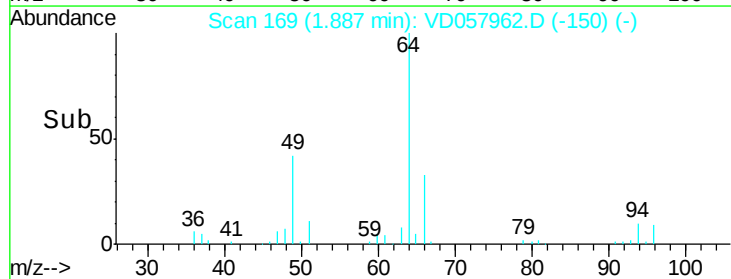
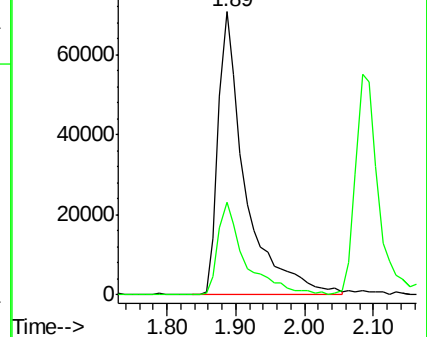
64 100

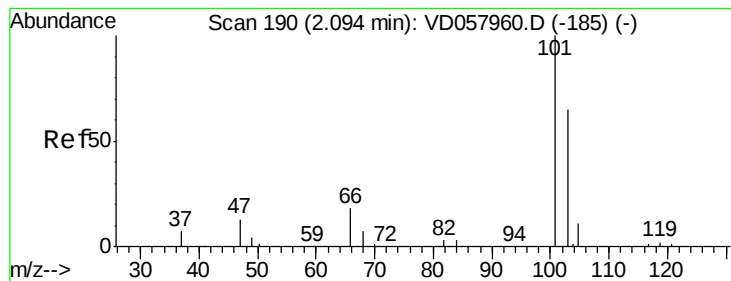
66 32.7 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



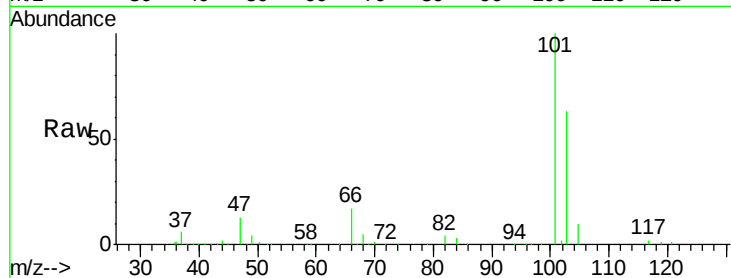


#7

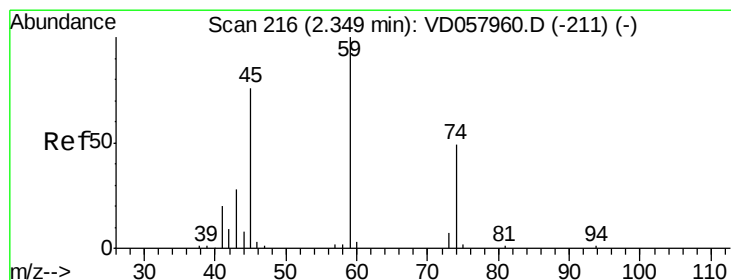
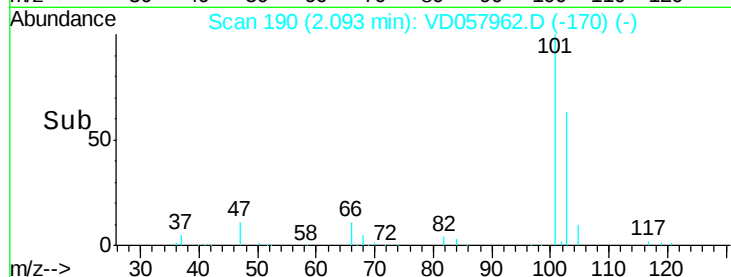
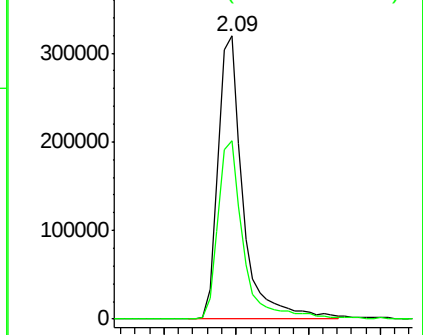
Trichlorofluoromethane
 Concen: 97.37 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 762211
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.4 78.6



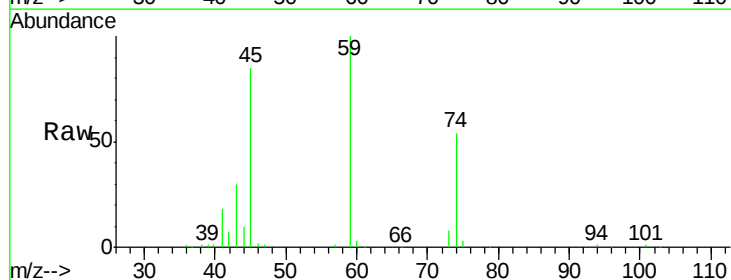
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



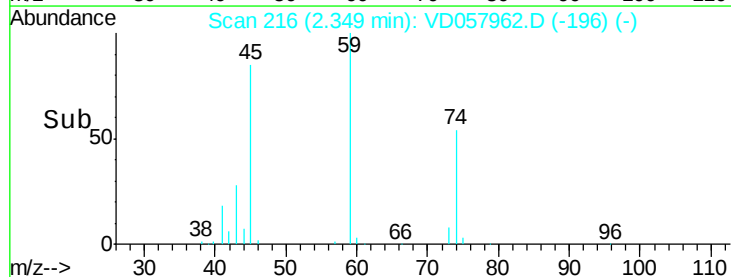
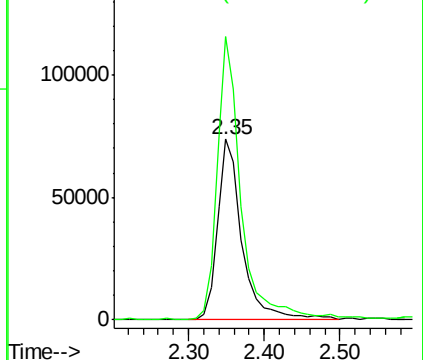
#8

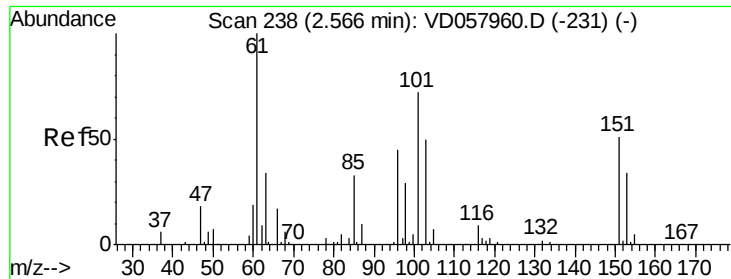
Diethyl Ether
 Concen: 115.13 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 74 Resp: 167408
 Ion Ratio Lower Upper
 74 100
 45 156.5 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: 105.22 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

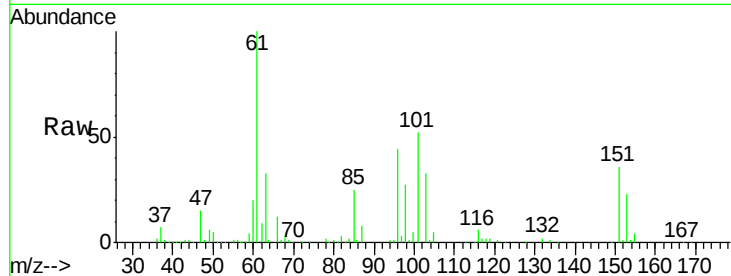
Tot Ion:101 Resp: 491290

Ion Ratio Lower Upper

101 100

85 47.6 37.3 55.9

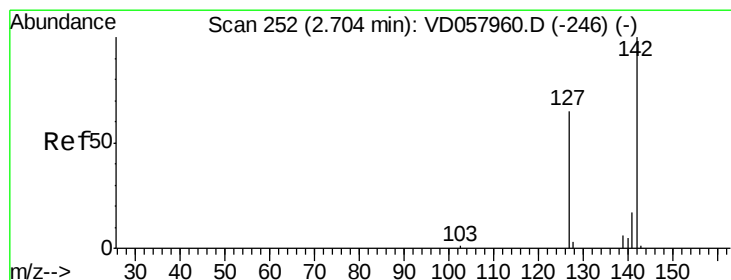
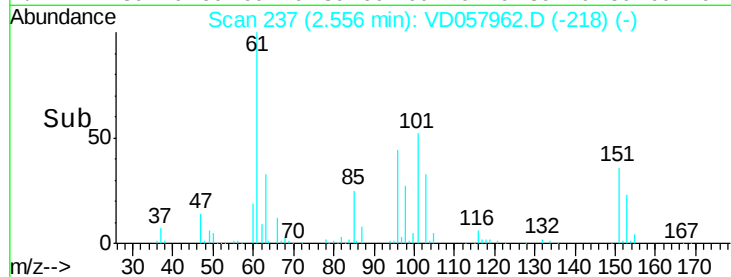
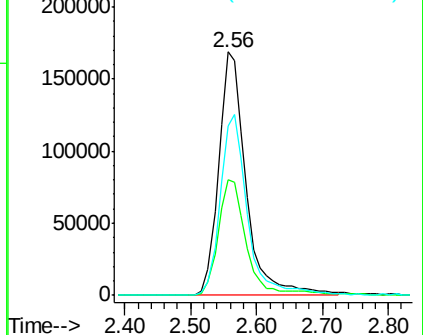
151 69.6 57.0 85.6



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: 123.50 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

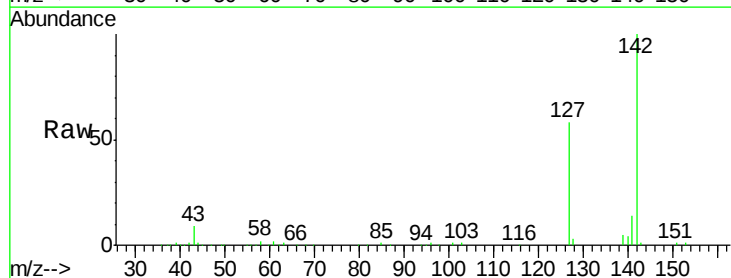
Tgt Ion:142 Resp: 744029

Ion Ratio Lower Upper

142 100

127 58.4 52.0 78.0

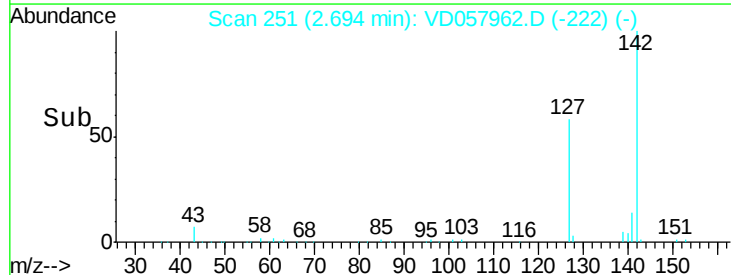
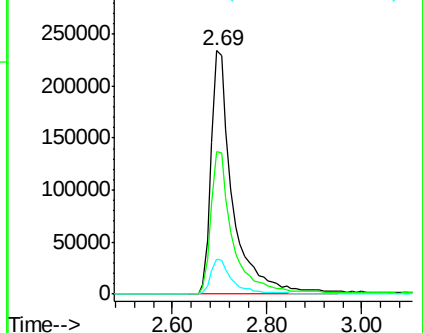
141 14.5 13.2 19.8

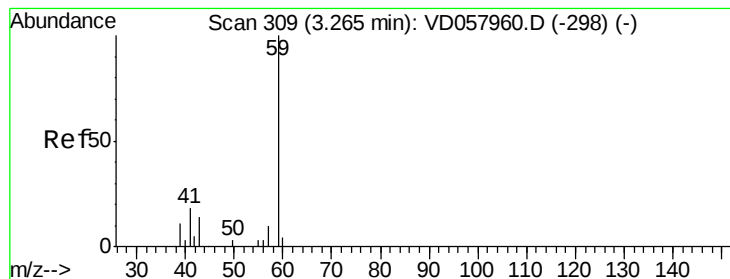


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



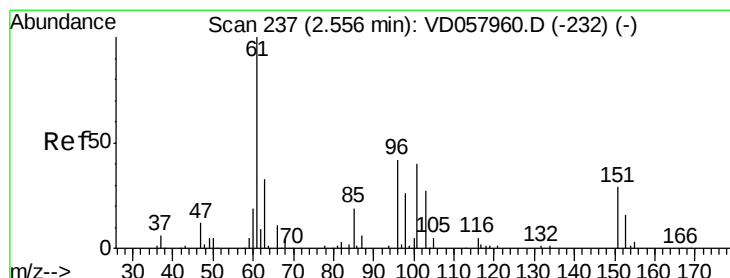
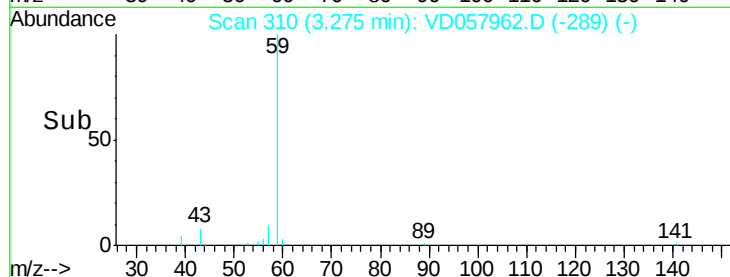
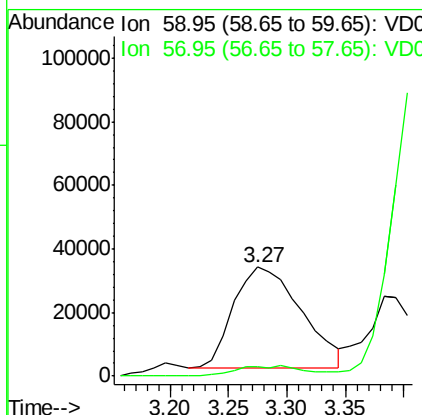
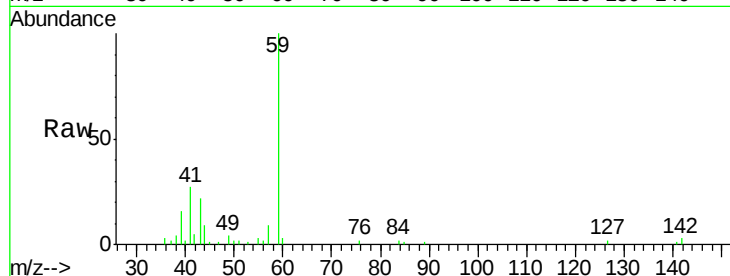


#11

Tert butyl alcohol
Concen: 534.80 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

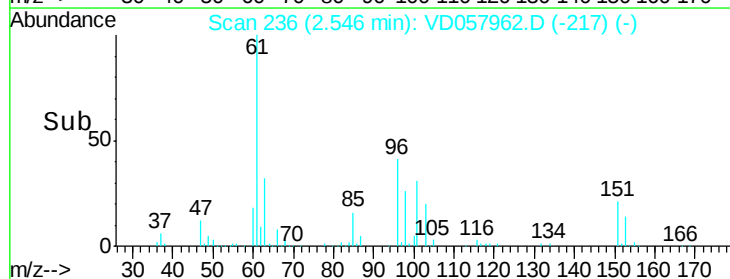
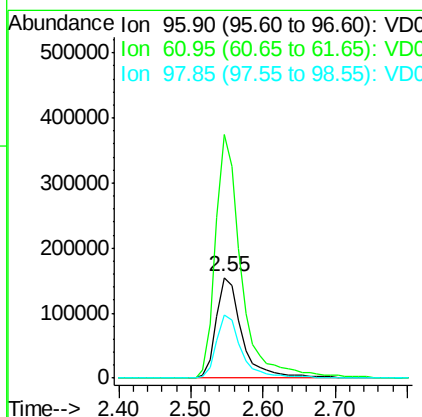
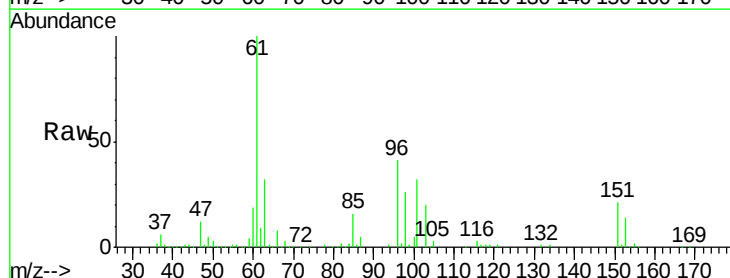
Tot Ion: 59 Resp: 128187
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6

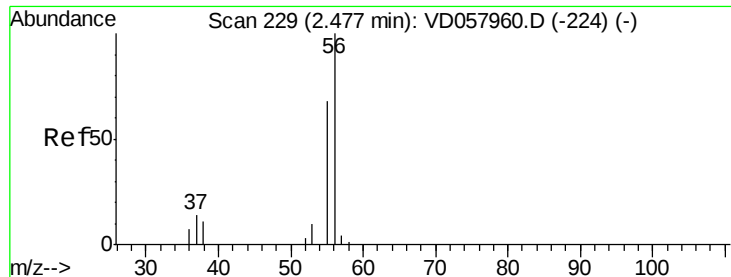


#12

1,1-Dichloroethene
Concen: 106.34 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 96 Resp: 381692
Ion Ratio Lower Upper
96 100
61 241.7 190.2 285.4
98 62.4 49.6 74.4





#13

Acrolein

Concen: 549.79 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

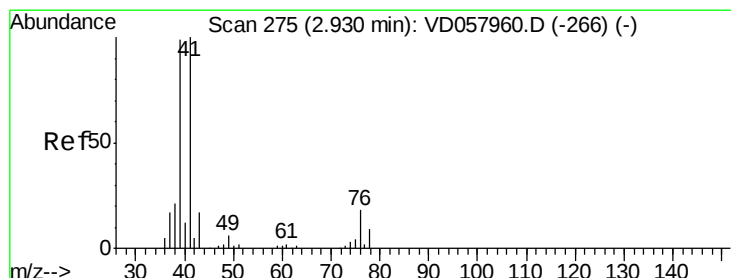
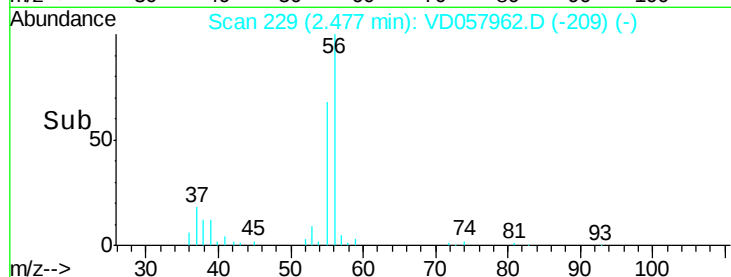
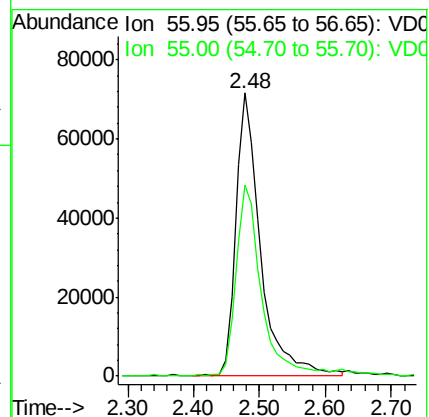
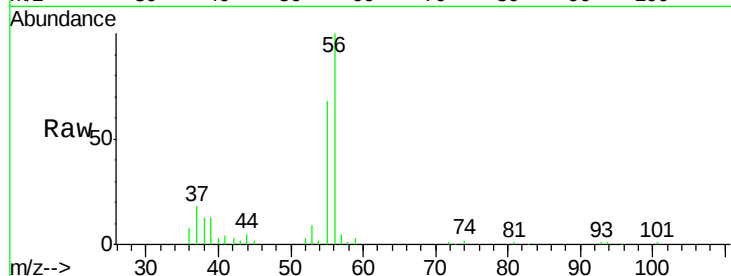
VSTDIC100

Tot Ion: 56 Resp: 188729

Ion Ratio Lower Upper

56 100

55 67.7 54.0 81.0



#14

Allyl chloride

Concen: 109.54 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

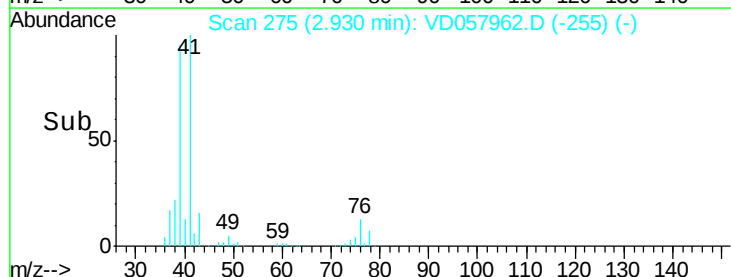
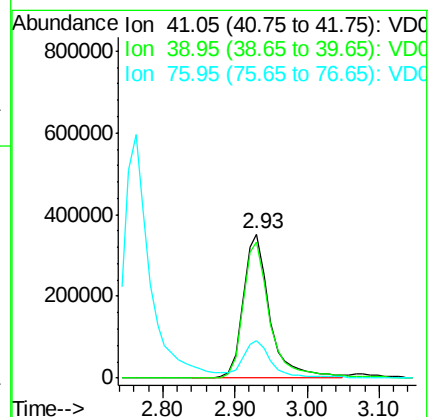
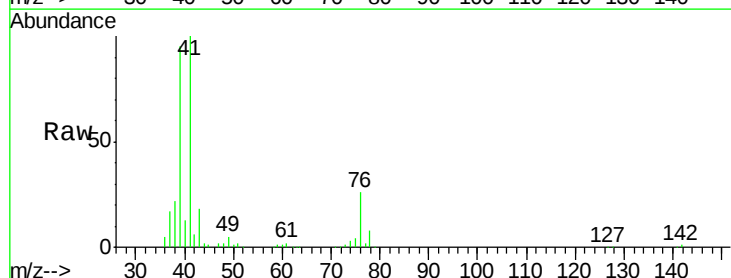
Tgt Ion: 41 Resp: 906992

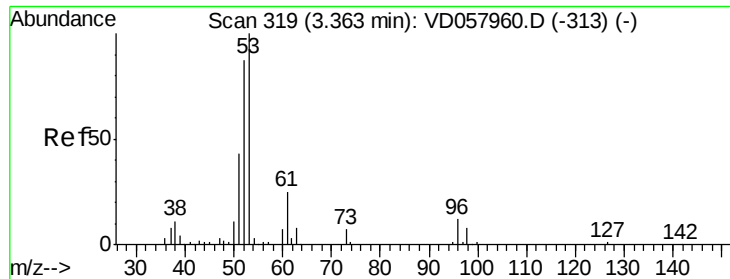
Ion Ratio Lower Upper

41 100

39 95.1 79.5 119.3

76 25.8 20.7 31.1





#15

Acrylonitrile

Concen: 521.75 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

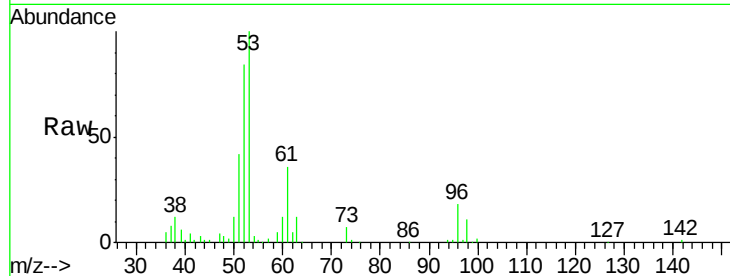
Tot Ion: 53 Resp: 731614

Ion Ratio Lower Upper

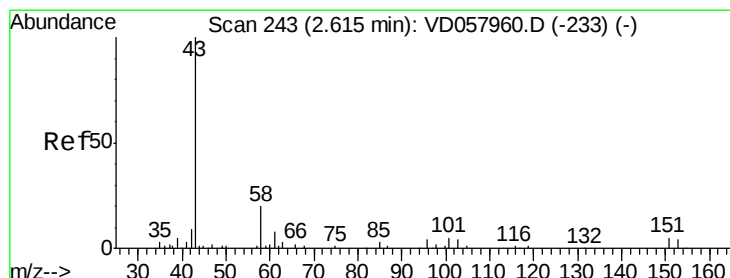
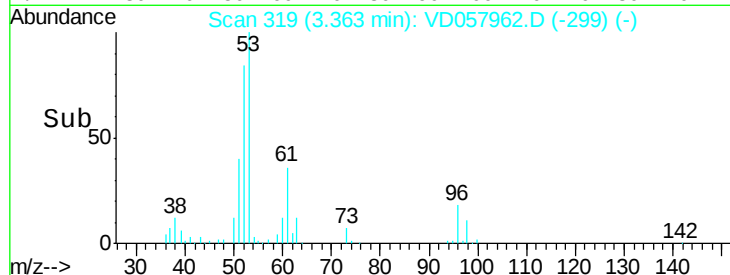
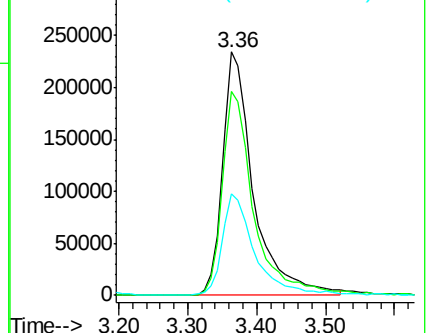
53 100

52 83.9 69.9 104.9

51 41.9 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: 523.06 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD057962.D

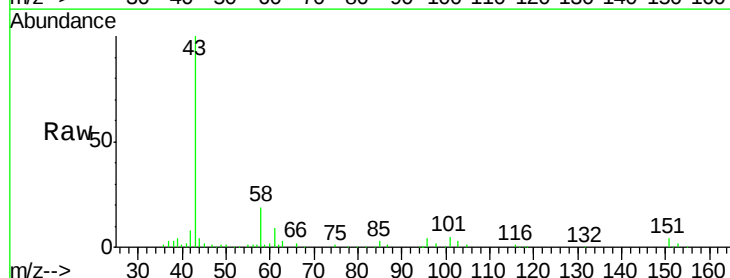
Acq: 6 Jun 2018 20:14

Tgt Ion: 43 Resp: 674273

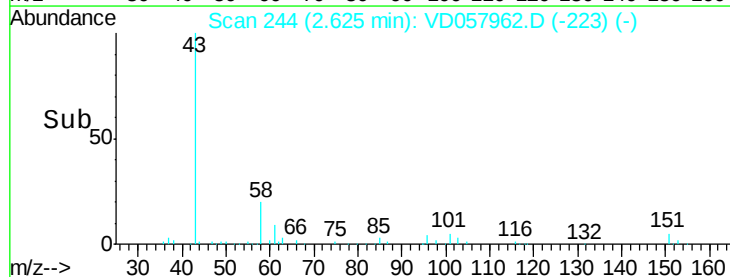
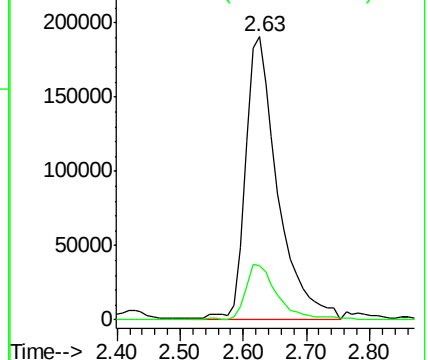
Ion Ratio Lower Upper

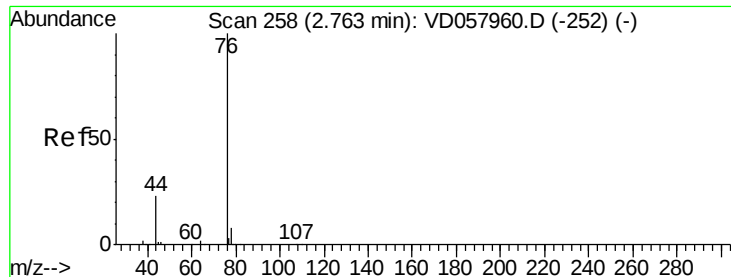
43 100

58 19.1 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: 112.53 ug/l

RT: 2.76 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

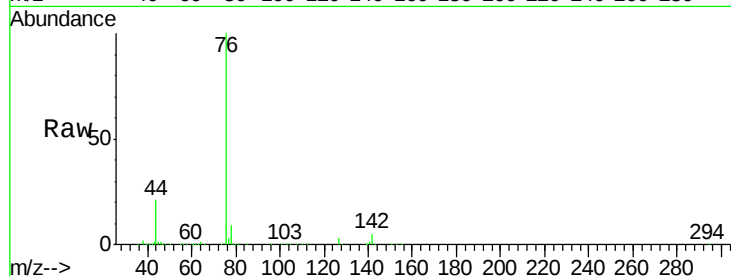
VSTDIC100

Tot Ion: 76 Resp: 1463220

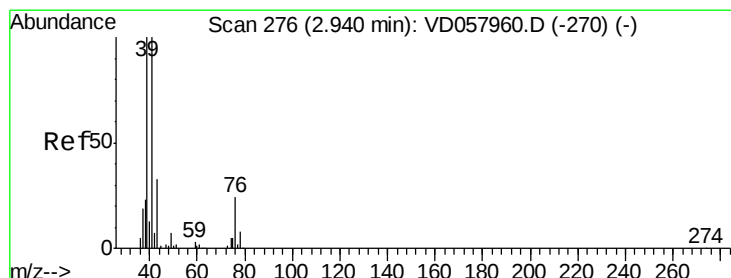
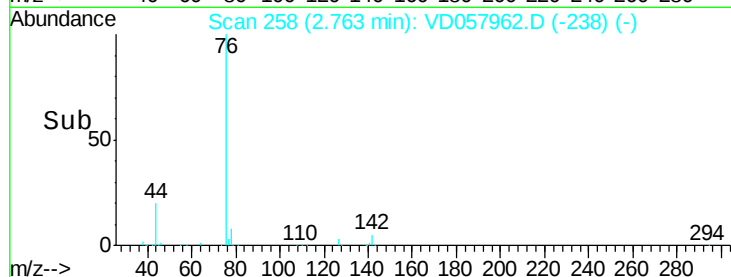
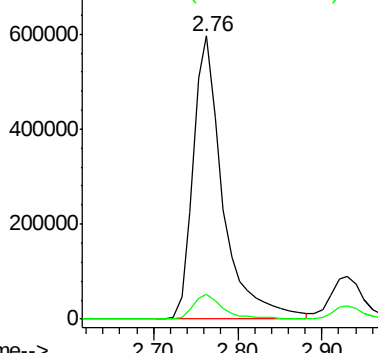
Ion Ratio Lower Upper

76 100

78 8.8 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: 104.67 ug/l

RT: 2.94 min Scan# 276

Delta R.T. -0.00 min

Lab File: VD057962.D

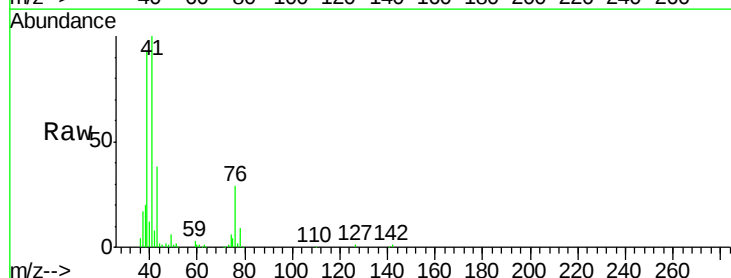
Acq: 6 Jun 2018 20:14

Tgt Ion: 43 Resp: 261029

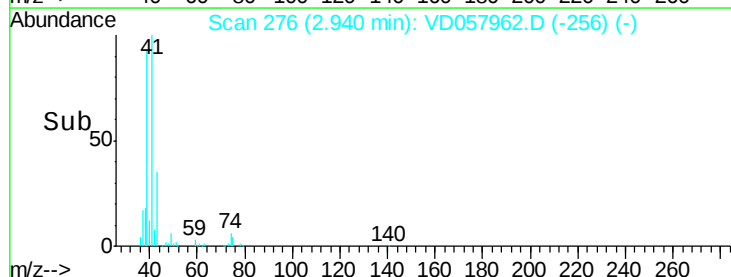
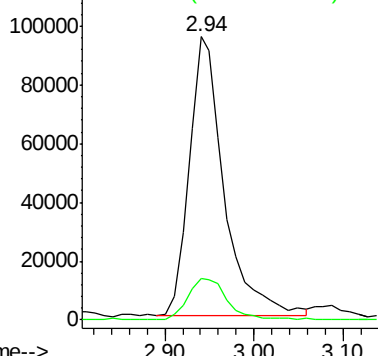
Ion Ratio Lower Upper

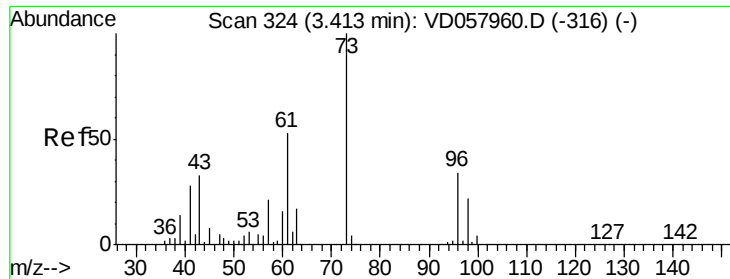
43 100

74 14.8 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



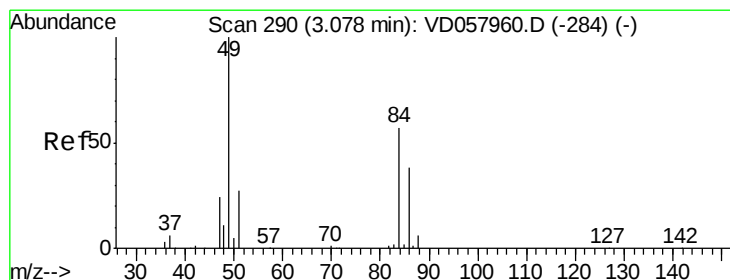
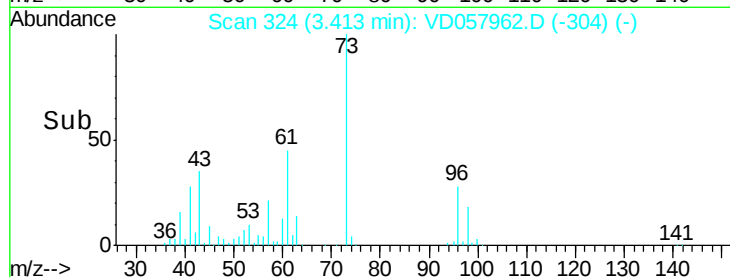
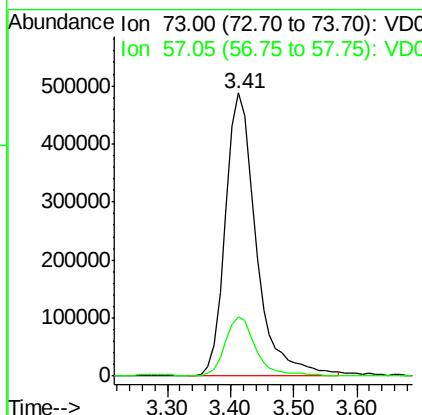
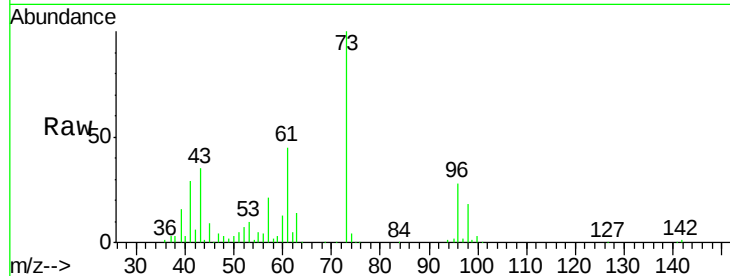


#19

Methyl tert-butyl Ether
 Concen: 104.79 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

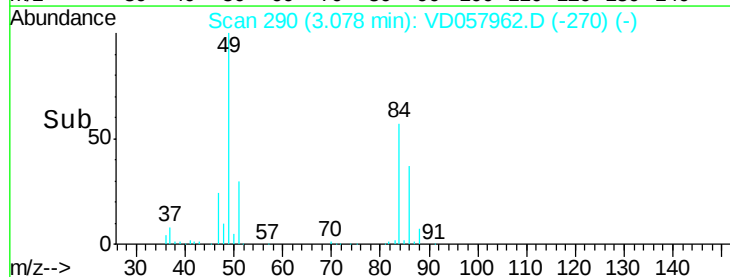
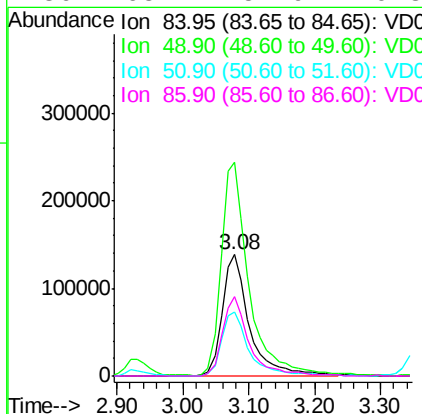
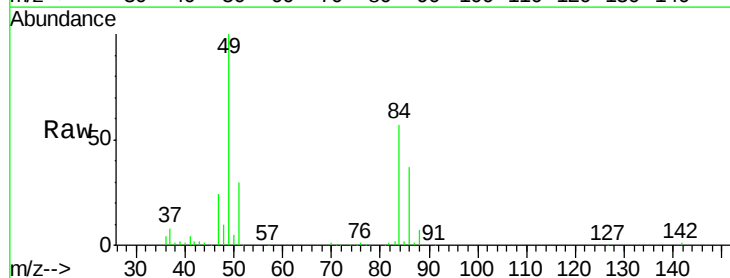
Tot Ion: 73 Resp: 1655075
 Ion Ratio Lower Upper
 73 100
 57 21.1 16.7 25.1

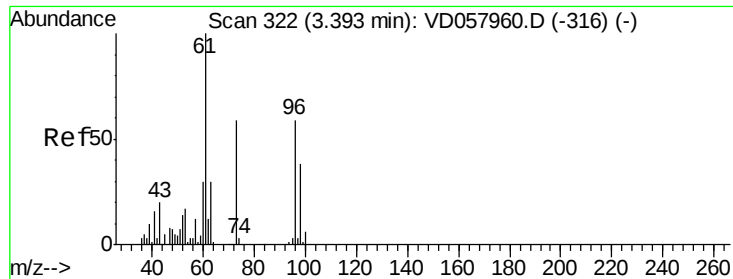


#20

Methylene Chloride
 Concen: 90.59 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 84 Resp: 399118
 Ion Ratio Lower Upper
 84 100
 49 175.9 141.4 212.0
 51 52.4 38.3 57.5
 86 65.2 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 97.49 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

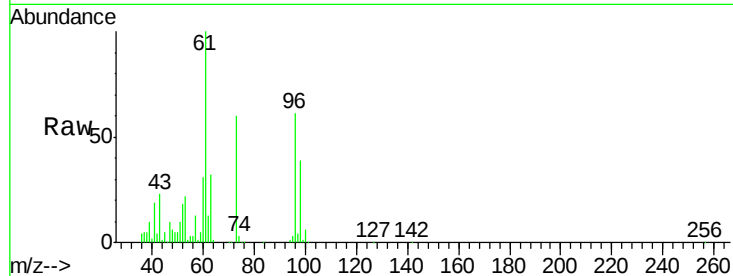
Tot Ion: 96 Resp: 779416

Ion Ratio Lower Upper

96 100

61 163.9 135.2 202.8

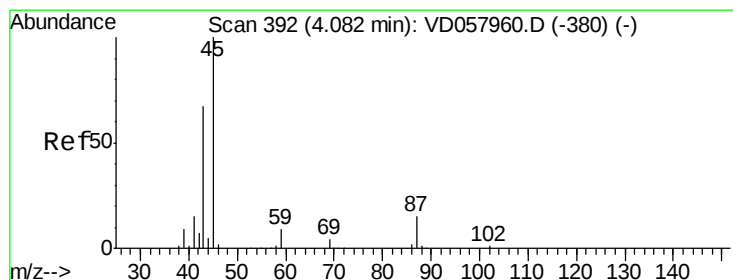
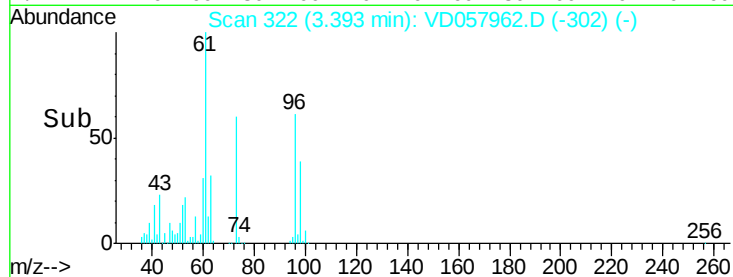
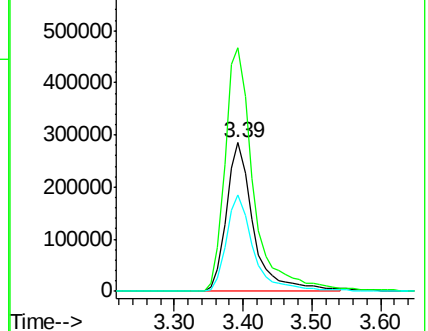
98 64.5 51.7 77.5



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: 98.83 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Tgt Ion: 45 Resp: 3242070

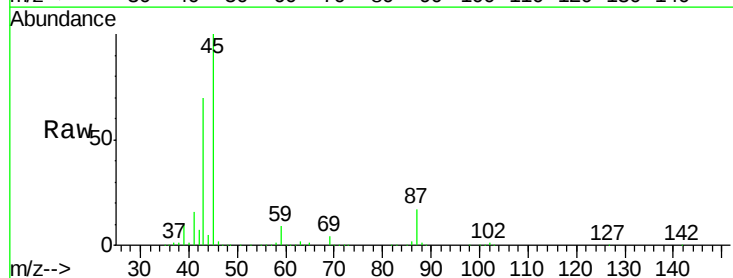
Ion Ratio Lower Upper

45 100

43 70.4 53.8 80.8

87 16.8 12.5 18.7

59 8.8 7.3 10.9

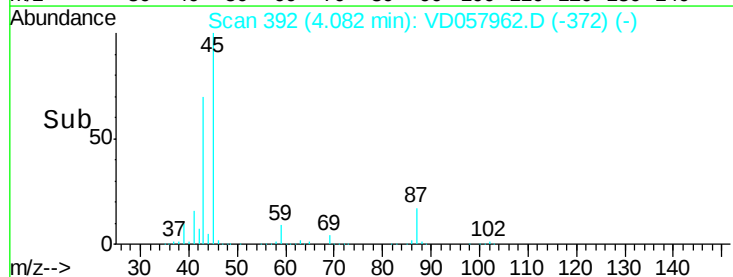
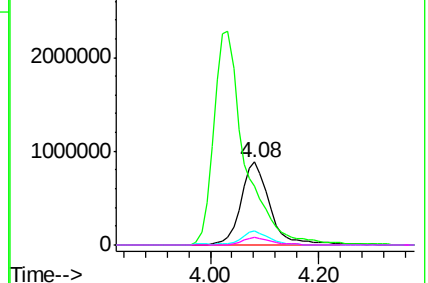


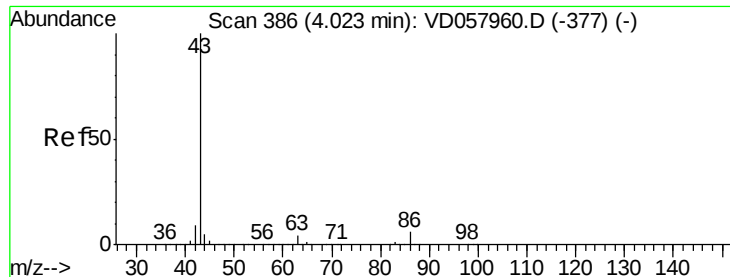
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 526.68 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

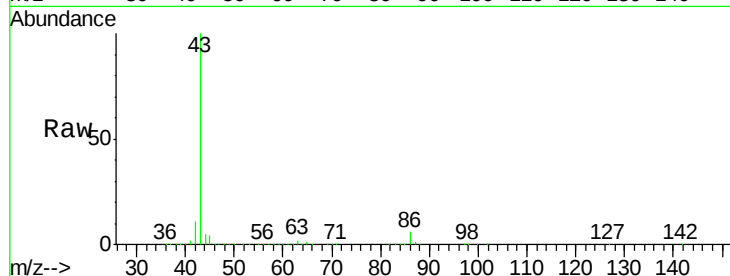
VSTDIC100

Tot Ion: 43 Resp: 8926613

Ion Ratio Lower Upper

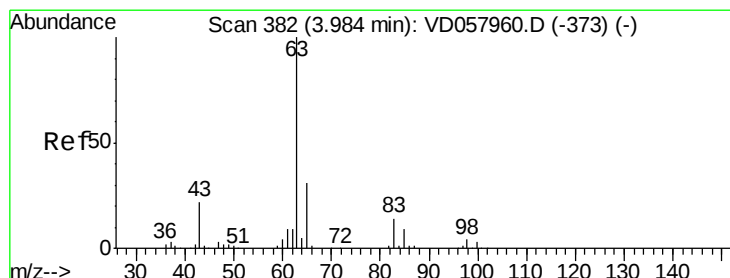
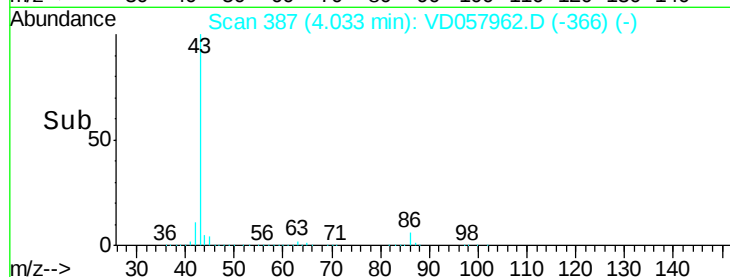
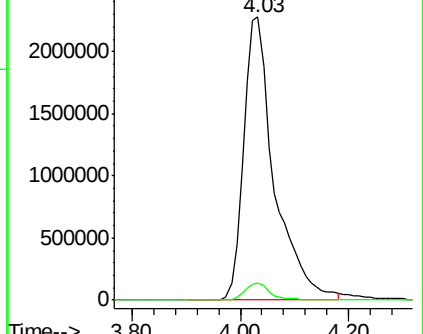
43 100

86 6.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 100.63 ug/l

RT: 3.98 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

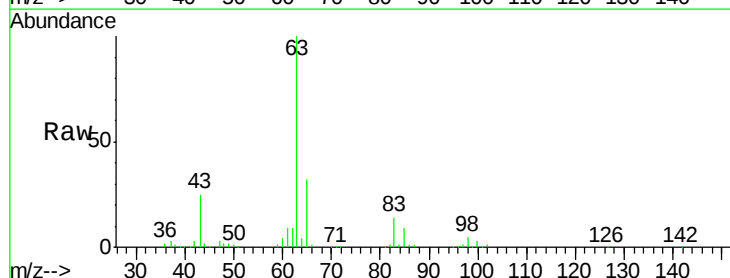
Tgt Ion: 63 Resp: 1814132

Ion Ratio Lower Upper

63 100

98 4.6 2.0 5.8

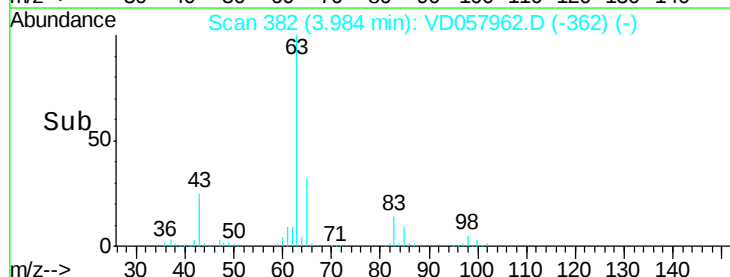
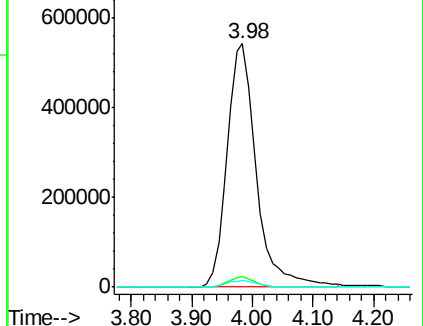
100 2.7 1.4 4.2

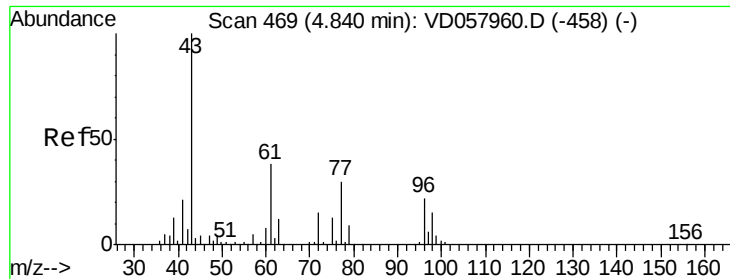


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

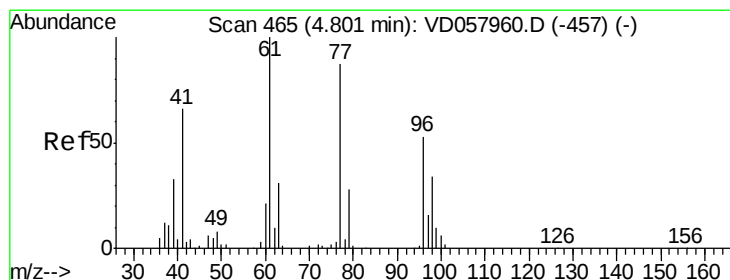
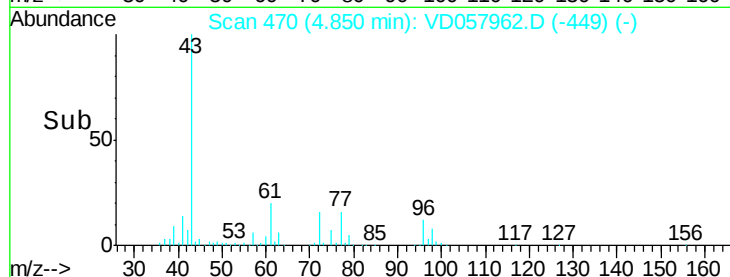
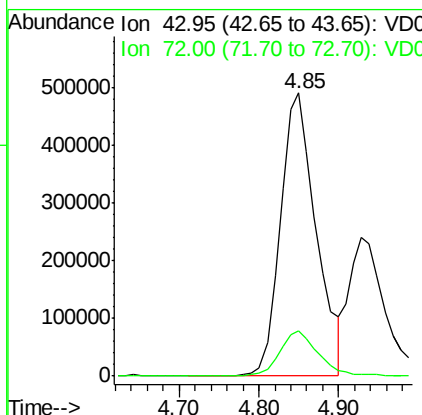
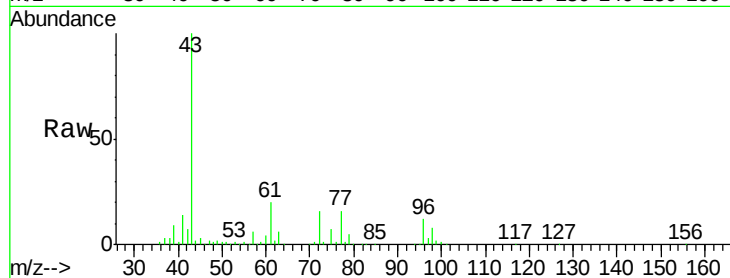




#25
 2-Butanone
 Concen: 520.95 ug/l
 RT: 4.85 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

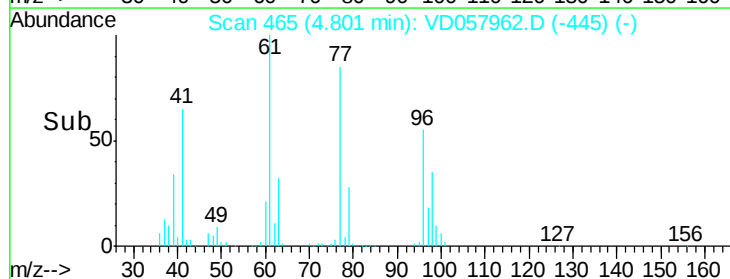
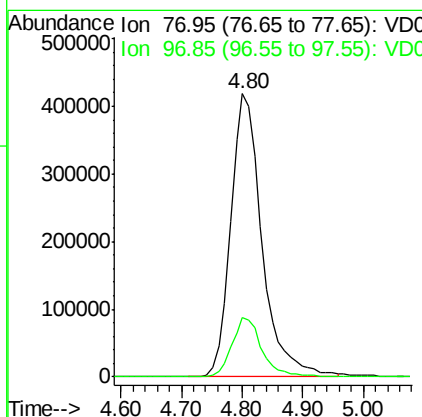
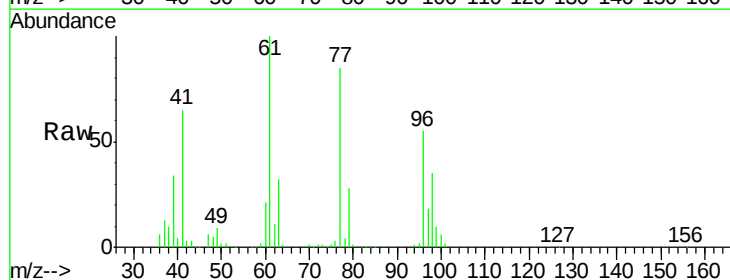
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

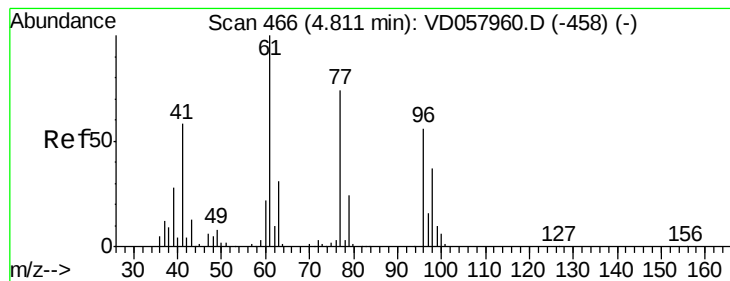
Tot Ion: 43 Resp: 1526202
 Ion Ratio Lower Upper
 43 100
 72 16.1 12.0 18.0



#26
 2,2-Dichloropropane
 Concen: 100.76 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 77 Resp: 1496435
 Ion Ratio Lower Upper
 77 100
 97 21.0 9.2 27.6





#27

cis-1,2-Dichloroethene

Concen: 98.22 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

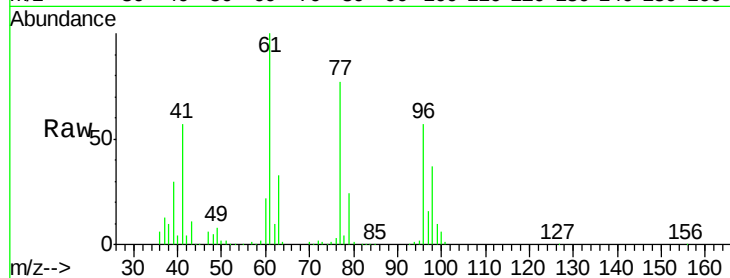
Tot Ion: 96 Resp: 931296

Ion Ratio Lower Upper

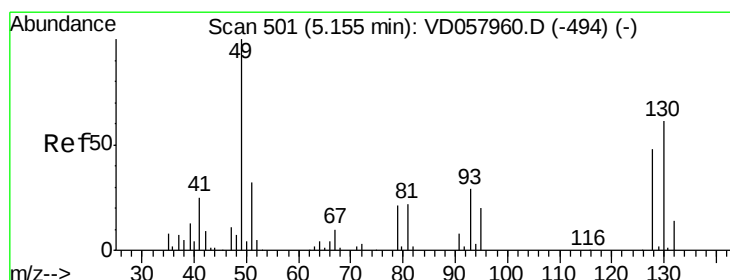
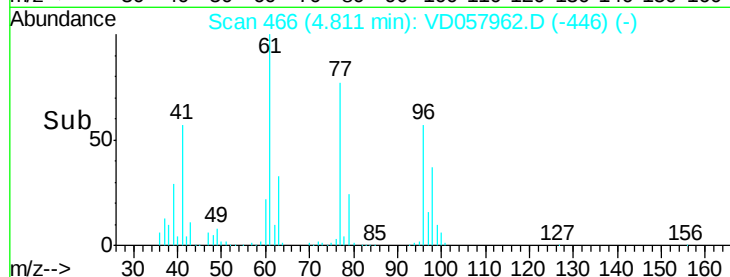
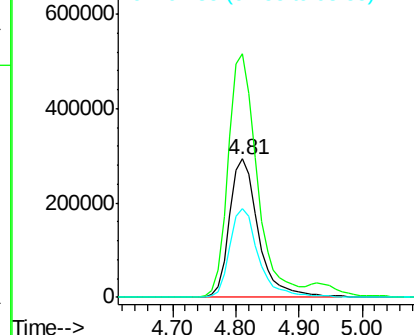
96 100

61 176.3 0.0 355.0

98 64.4 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: 103.57 ug/l

RT: 5.16 min Scan# 501

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

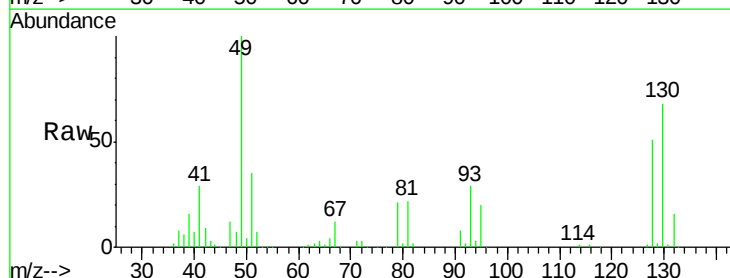
Tgt Ion: 49 Resp: 808186

Ion Ratio Lower Upper

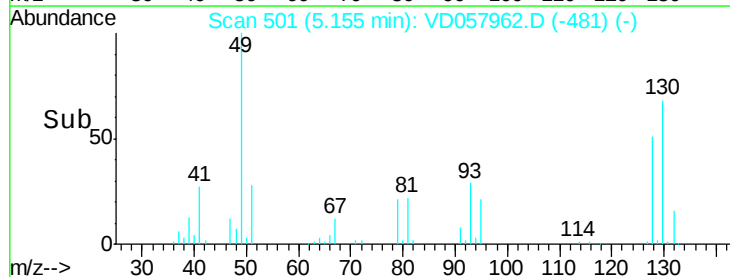
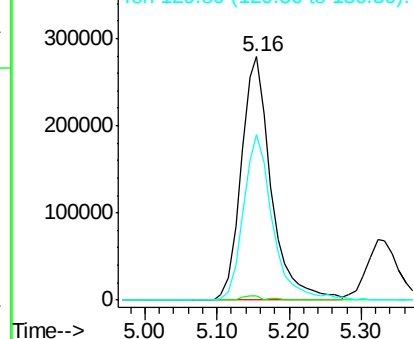
49 100

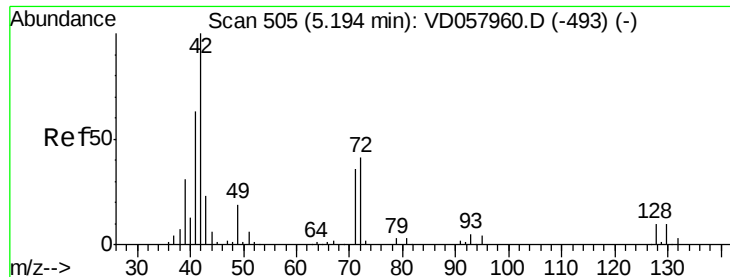
129 1.8 0.0 3.6

130 67.7 48.8 73.2



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





#29

Tetrahydrofuran

Concen: 511.99 ug/l

RT: 5.19 min Scan# 505

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

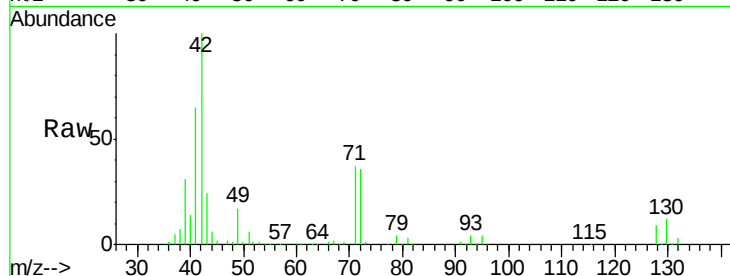
Tot Ion: 42 Resp: 786291

Ion Ratio Lower Upper

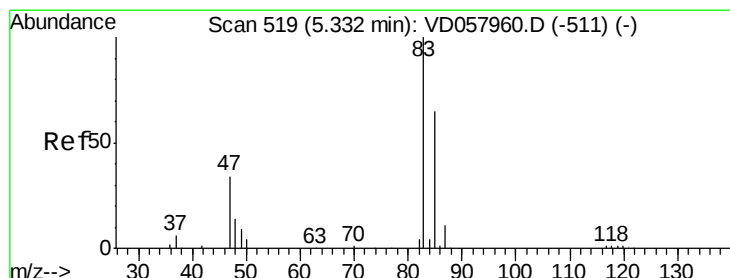
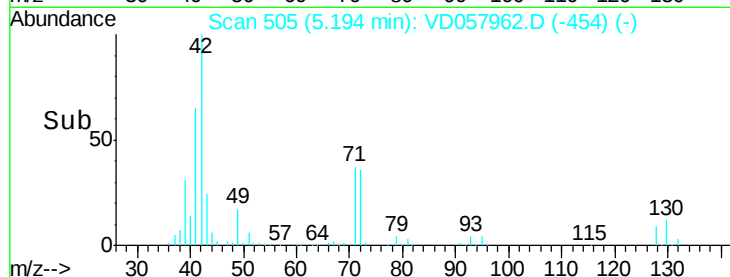
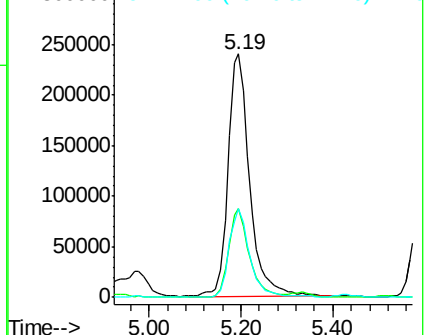
42 100

72 35.1 28.5 42.7

71 35.0 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 102.44 ug/l

RT: 5.33 min Scan# 519

Delta R.T. -0.00 min

Lab File: VD057962.D

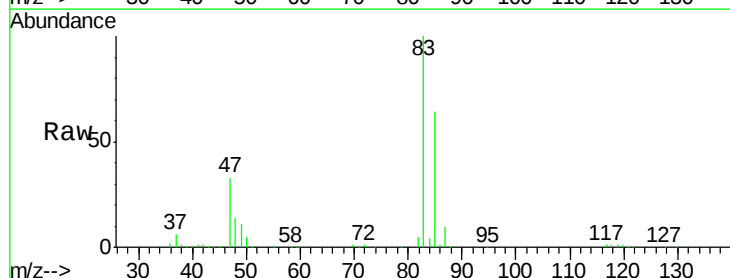
Acq: 6 Jun 2018 20:14

Tgt Ion: 83 Resp: 1858762

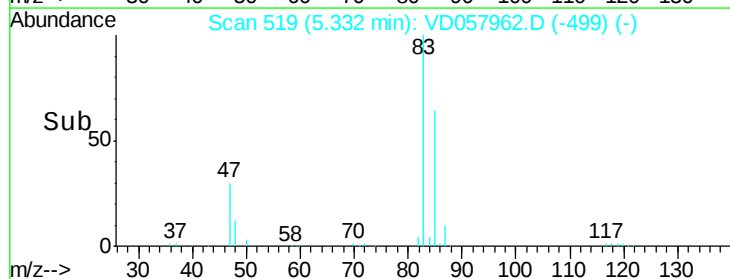
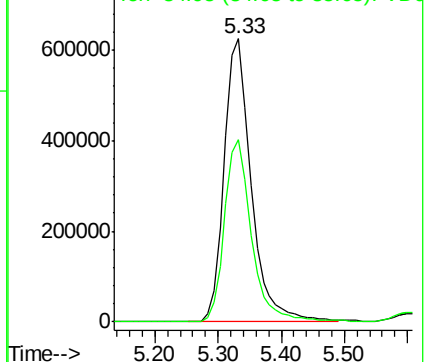
Ion Ratio Lower Upper

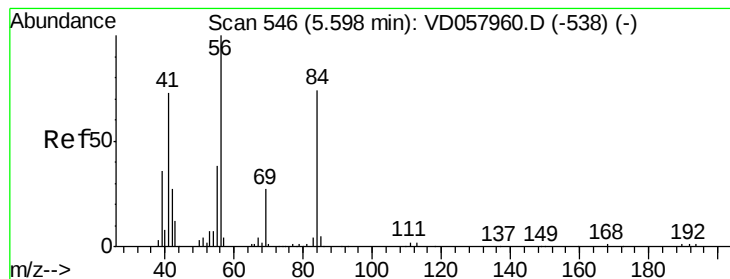
83 100

85 64.4 51.6 77.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 87.53 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

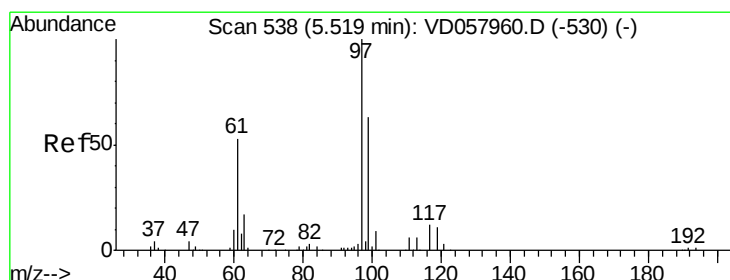
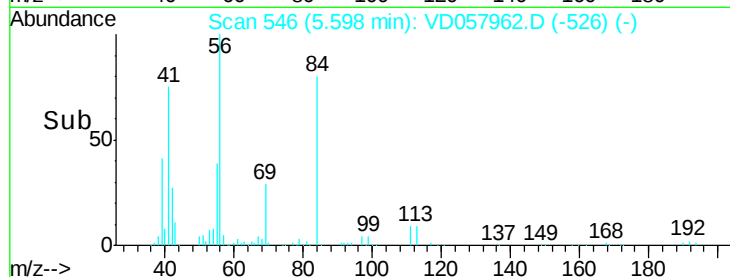
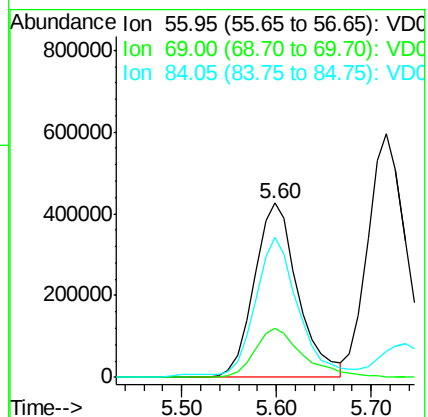
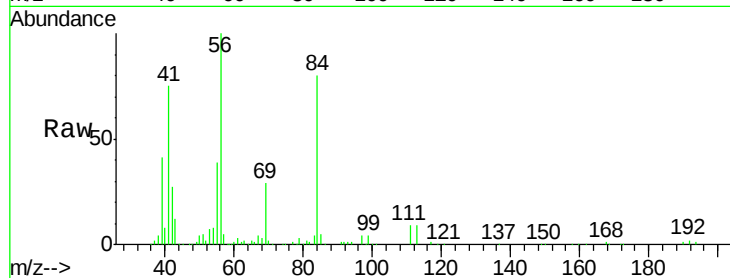
Tot Ion: 56 Resp: 1361749

Ion Ratio Lower Upper

56 100

69 28.5 21.5 32.3

84 80.3 61.0 91.6



#32

1,1,1-Trichloroethane

Concen: 106.40 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

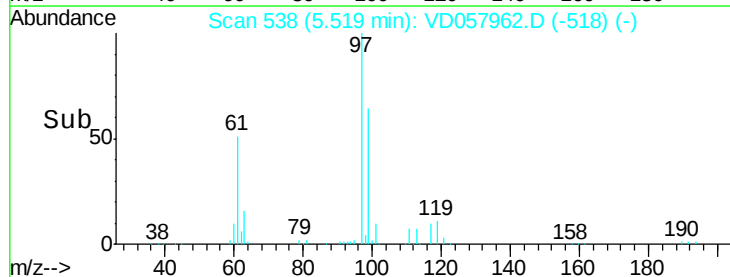
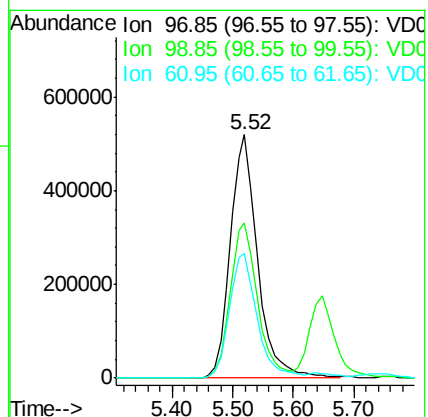
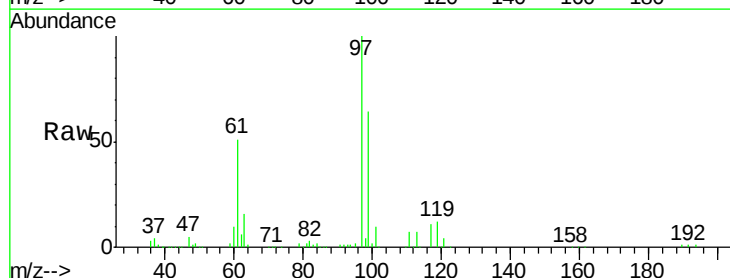
Tgt Ion: 97 Resp: 1616417

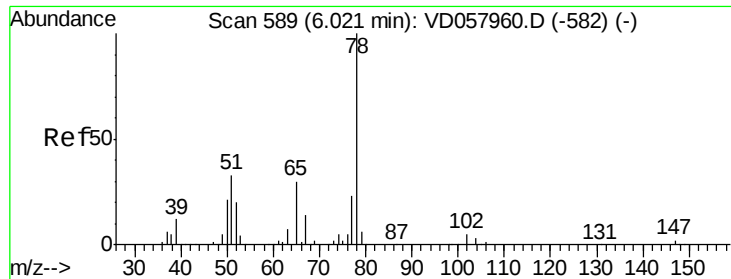
Ion Ratio Lower Upper

97 100

99 63.9 50.1 75.1

61 51.2 42.2 63.4





#33

1,2-Dichloroethane-d4

Concen: 106.40 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

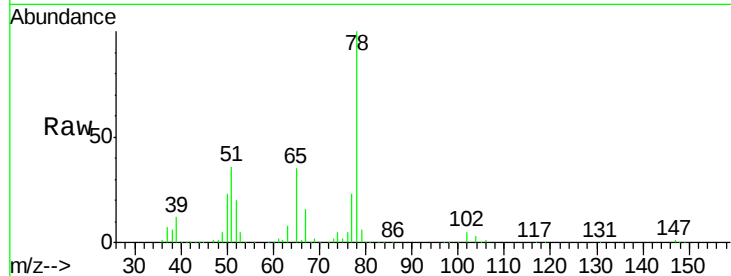
VSTDIC100

Tot Ion: 65 Resp: 882032

Ion Ratio Lower Upper

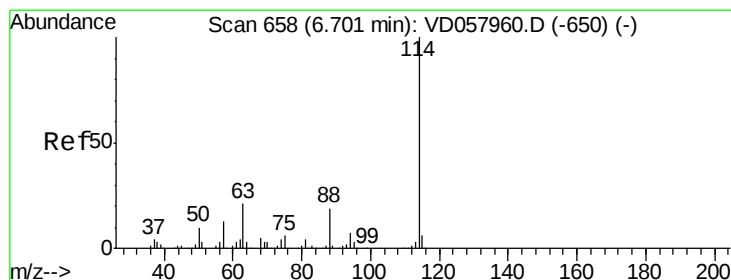
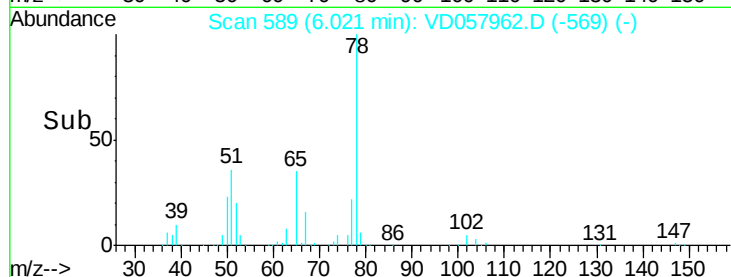
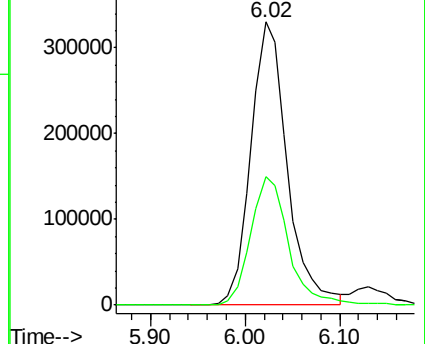
65 100

67 45.5 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

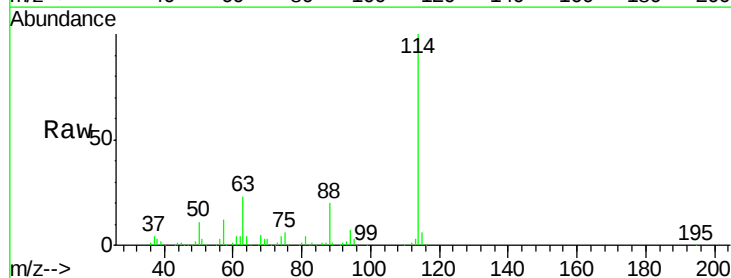
Tgt Ion: 114 Resp: 1231554

Ion Ratio Lower Upper

114 100

63 23.1 0.0 42.8

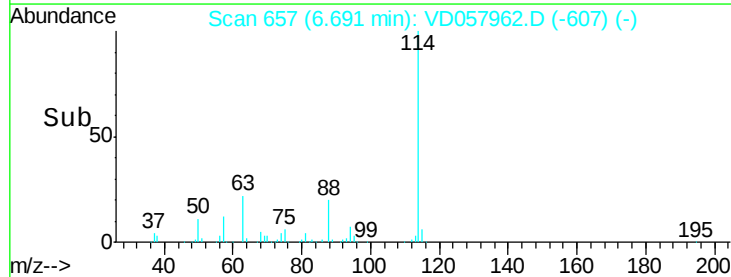
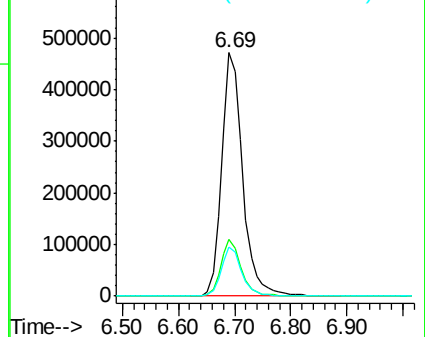
88 20.2 0.0 37.8

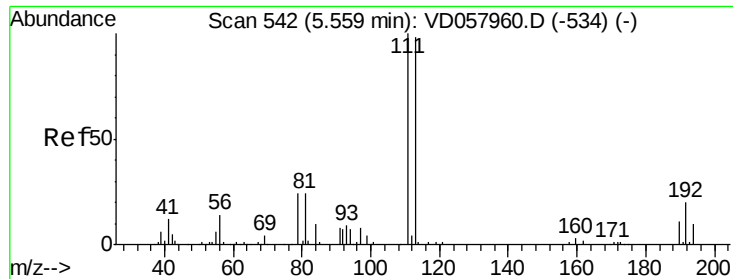


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

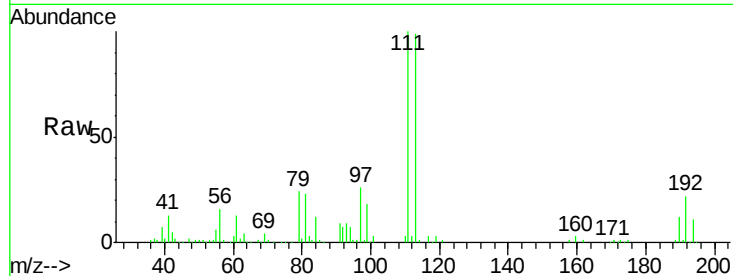
Tot Ion:113 Resp: 919542

Ion Ratio Lower Upper

113 100

111 101.4 81.5 122.3

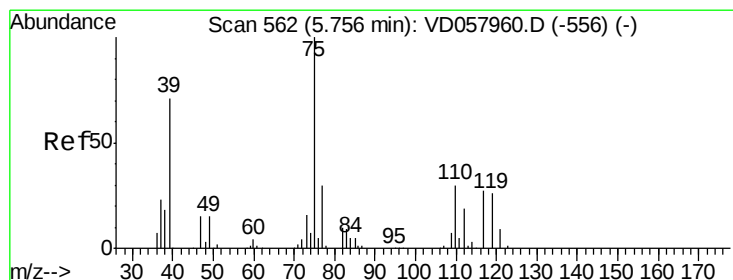
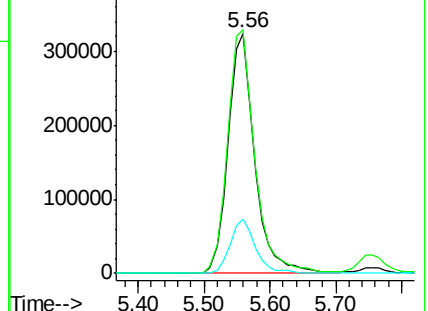
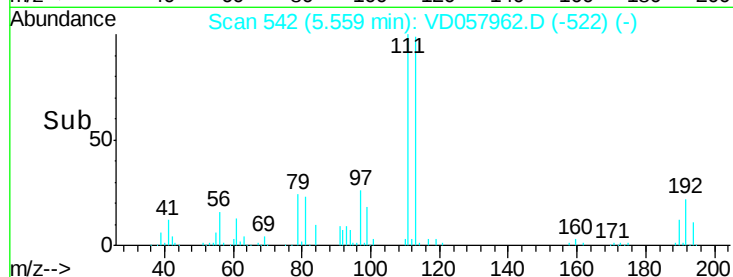
192 22.4 16.4 24.6



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: 92.26 ug/l

RT: 5.76 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

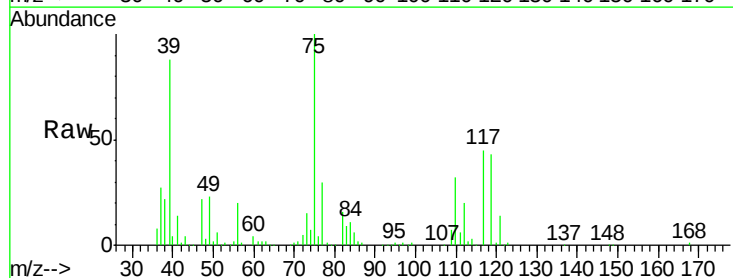
Tgt Ion: 75 Resp: 1251851

Ion Ratio Lower Upper

75 100

110 32.5 14.8 44.3

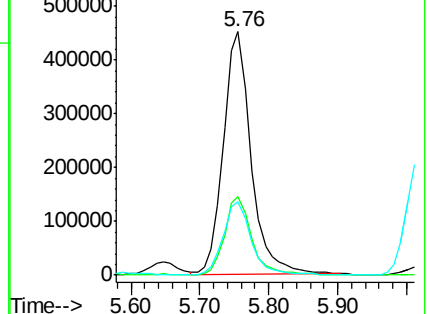
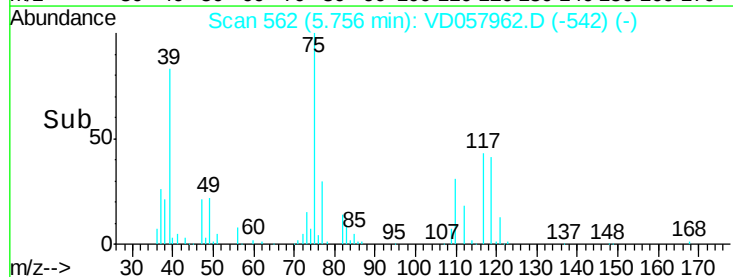
77 30.3 23.9 35.9

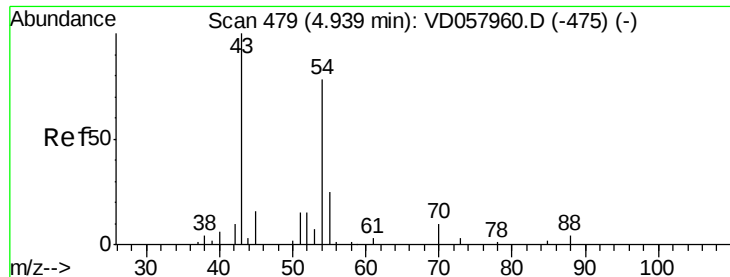


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

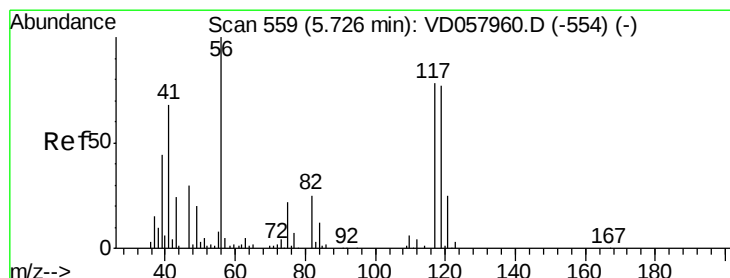
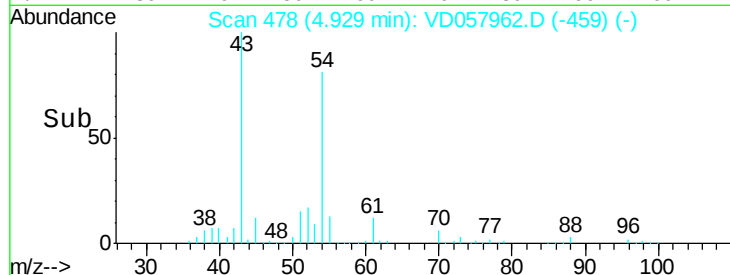
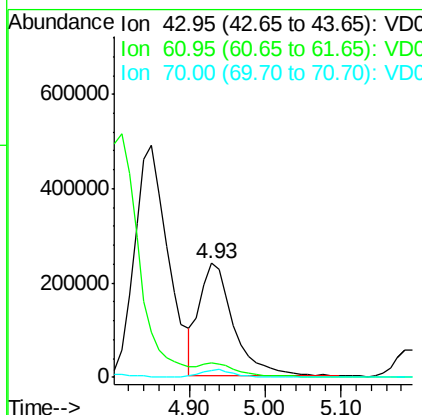
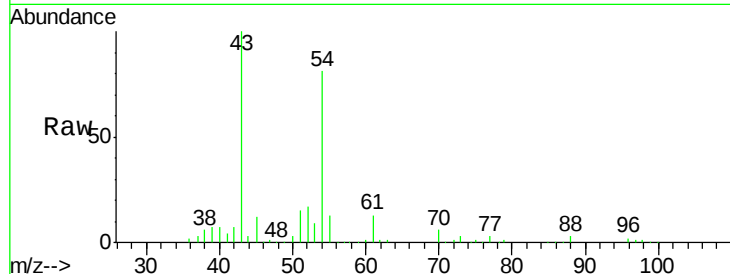




#37
Ethyl Acetate
Concen: 101.95 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

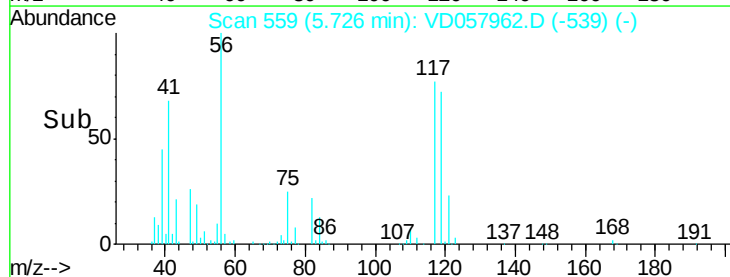
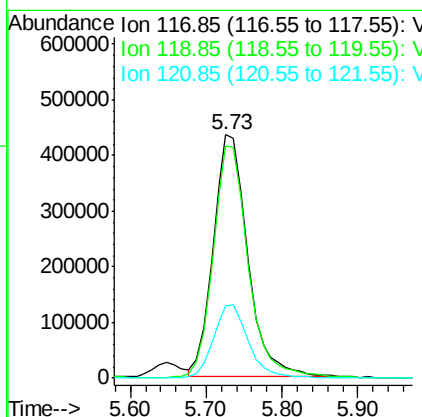
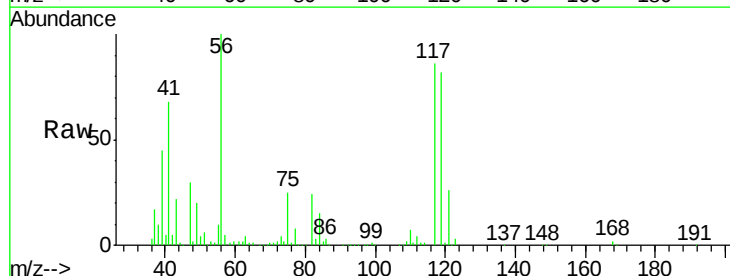
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

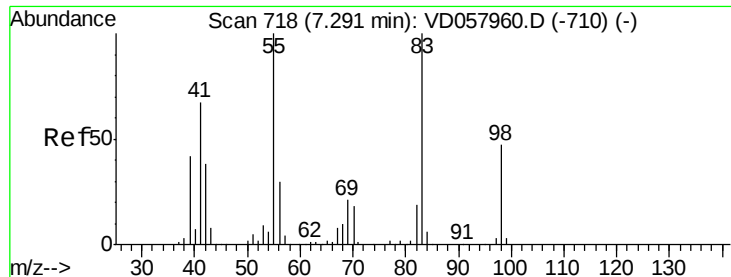
Tot Ion: 43 Resp: 754812
Ion Ratio Lower Upper
43 100
61 12.6 9.9 14.9
70 6.0 5.7 8.5



#38
Carbon Tetrachloride
Concen: 102.55 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 117 Resp: 1371374
Ion Ratio Lower Upper
117 100
119 95.5 76.1 114.1
121 29.6 24.9 37.3

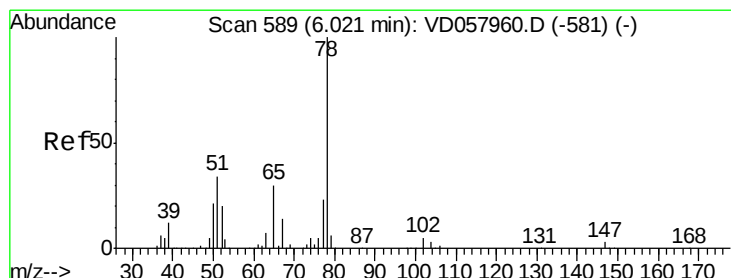
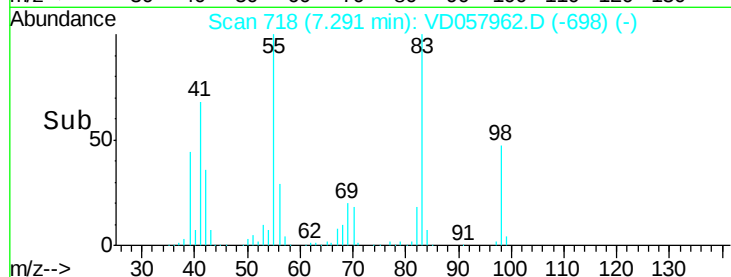
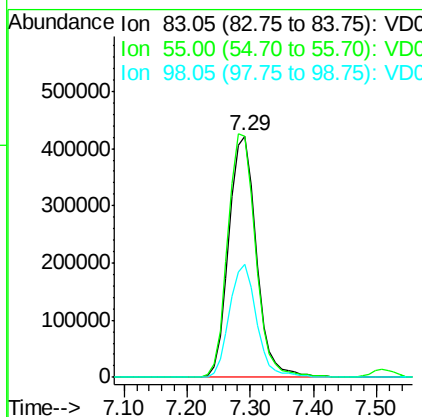
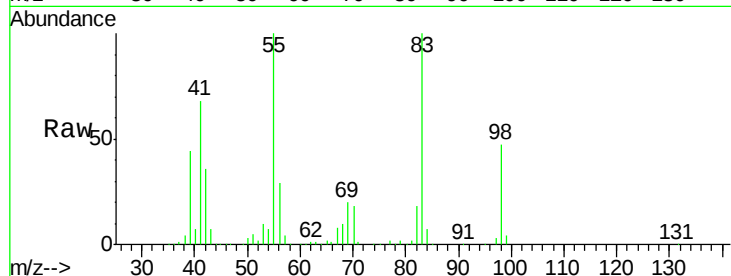




#39
Methvlcvclohexane
Concen: 94.75 ug/l
RT: 7.29 min Scan# 718
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

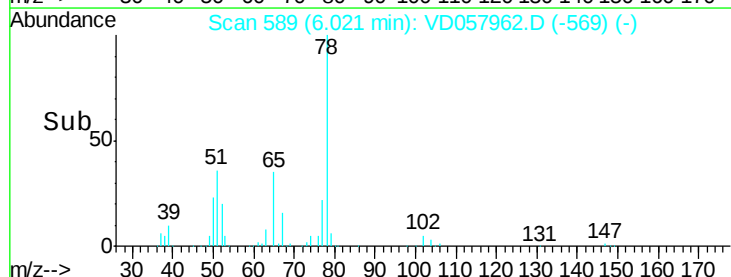
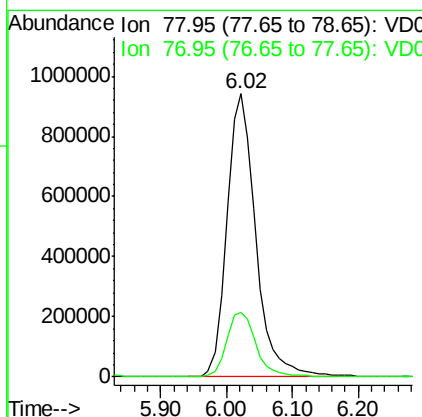
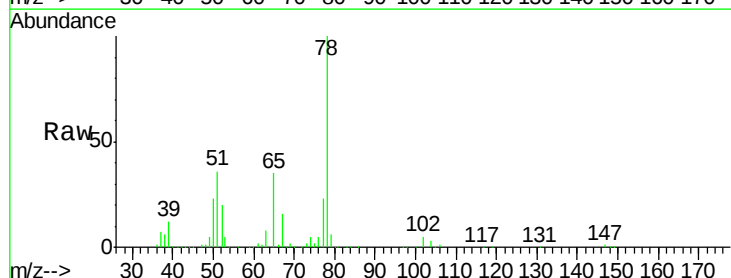
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

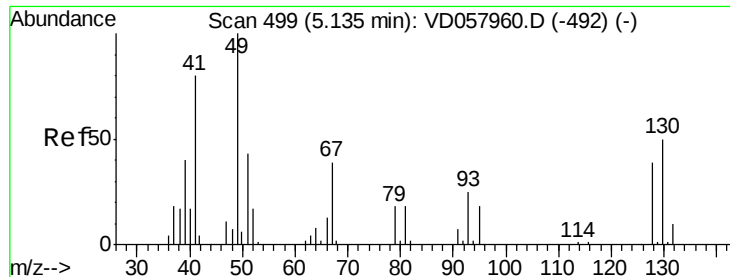
Tot Ion: 83 Resp: 1274476
Ion Ratio Lower Upper
83 100
55 99.5 80.3 120.5
98 47.1 38.0 57.0



#40
Benzene
Concen: 90.71 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 78 Resp: 2875143
Ion Ratio Lower Upper
78 100
77 22.6 18.1 27.1

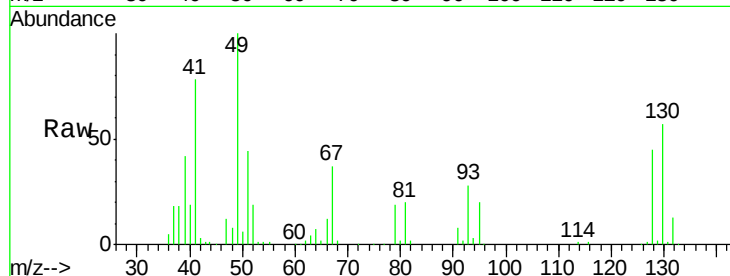




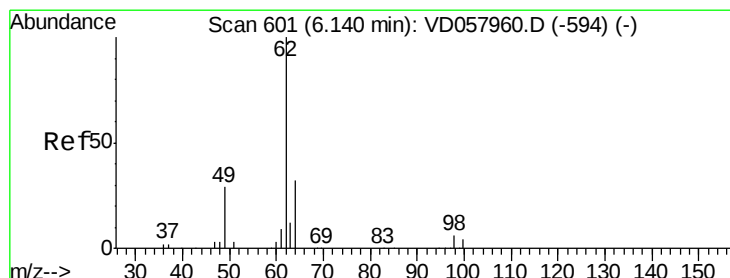
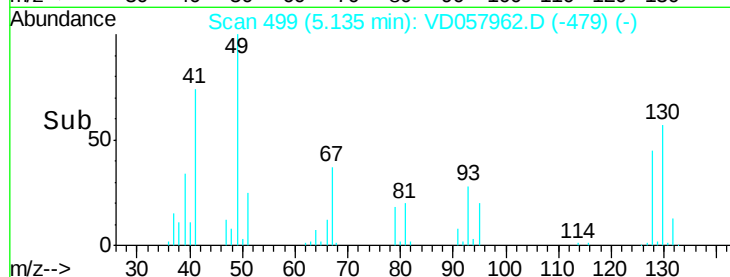
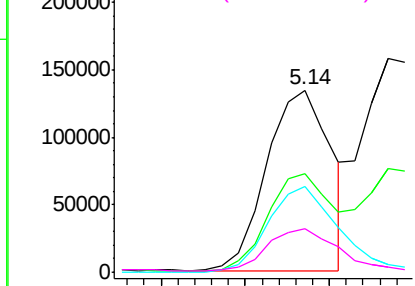
#41
Methacrylonitrile
Concen: 104.83 ug/l
RT: 5.14 min Scan# 499
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 354865
Ion Ratio Lower Upper
41 100
39 53.8 40.7 61.1
67 47.2 38.8 58.2
52 24.0 17.3 25.9

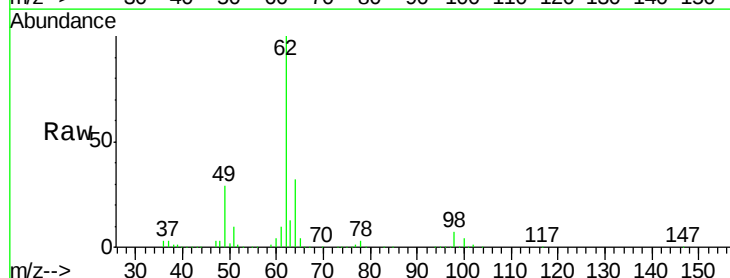


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

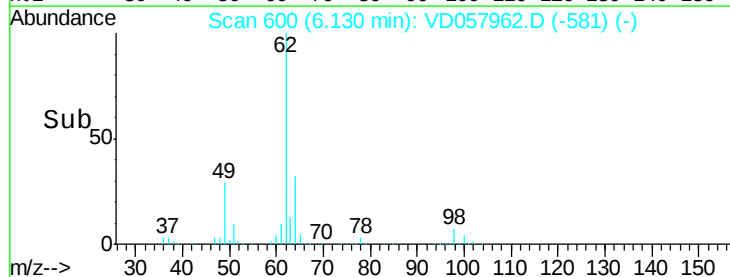
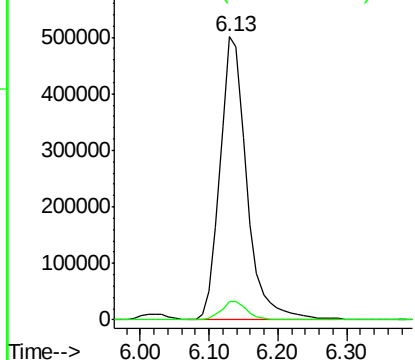


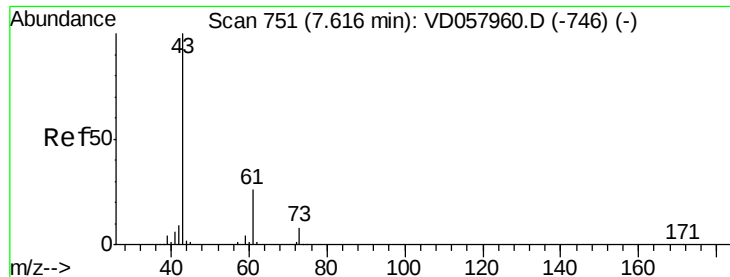
#42
1,2-Dichloroethane
Concen: 104.35 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 62 Resp: 1337276
Ion Ratio Lower Upper
62 100
98 6.6 0.0 12.8



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



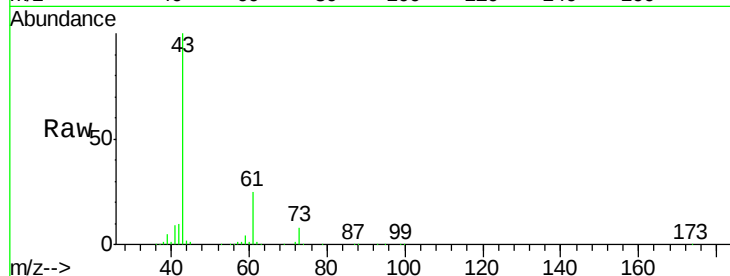


#43

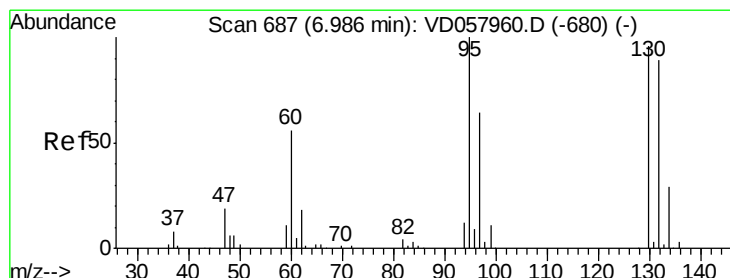
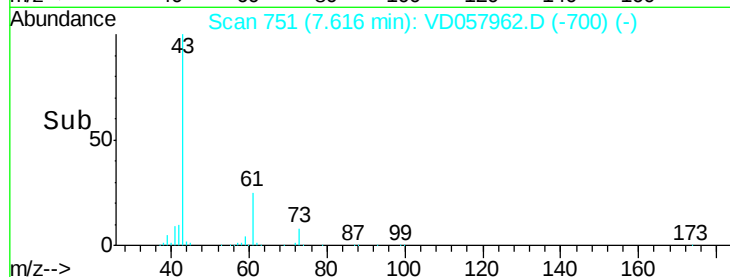
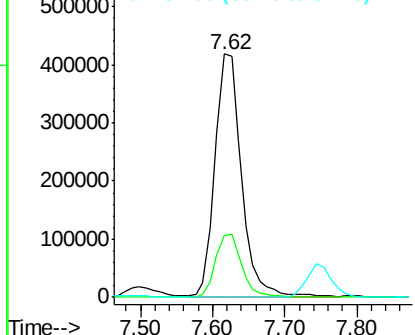
Isopropyl Acetate
 Concen: 108.28 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1050074
 Ion Ratio Lower Upper
 43 100
 61 25.5 20.6 30.8
 87 0.3 0.2 0.4



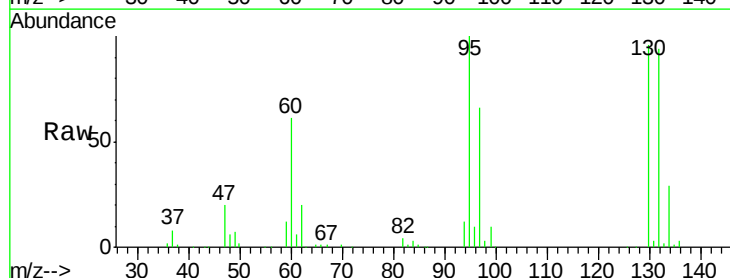
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



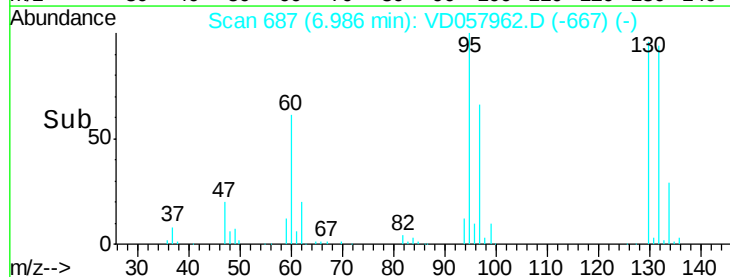
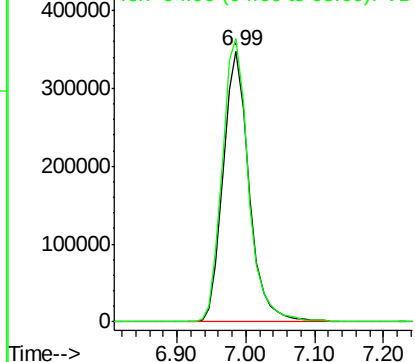
#44

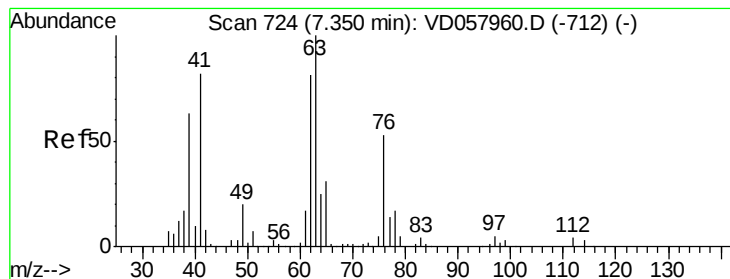
Trichloroethene
 Concen: 98.25 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:130 Resp: 909642
 Ion Ratio Lower Upper
 130 100
 95 104.4 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: 97.82 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

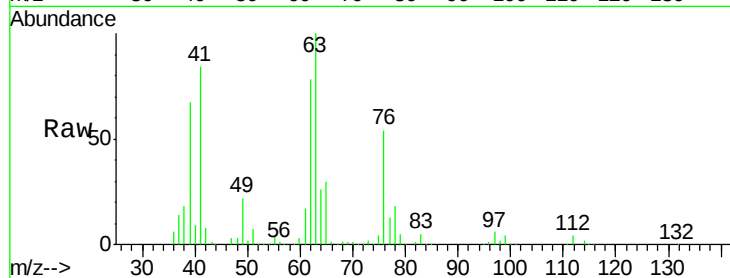
VSTDIC100

Tot Ion: 63 Resp: 861714

Ion Ratio Lower Upper

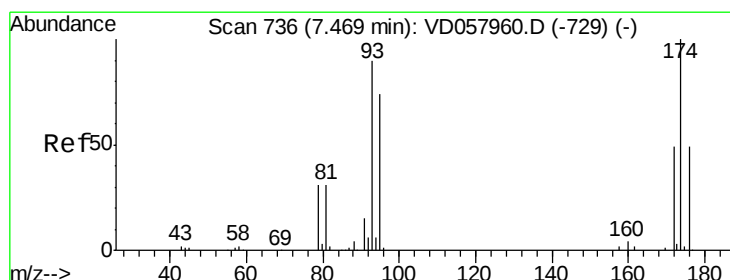
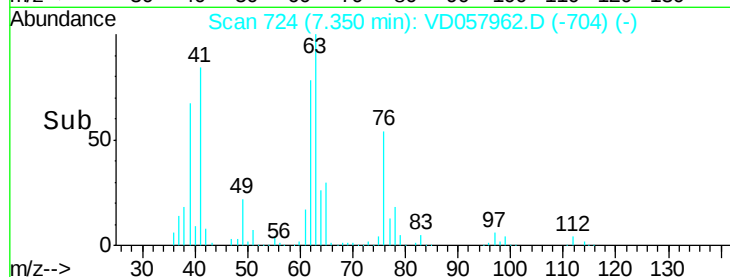
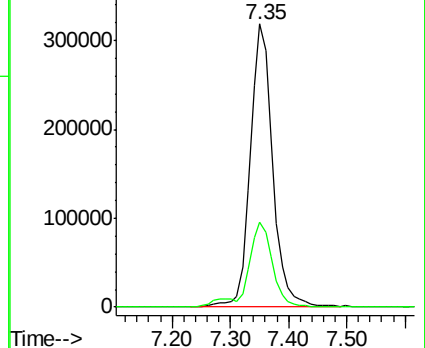
63 100

65 30.1 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: 104.44 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

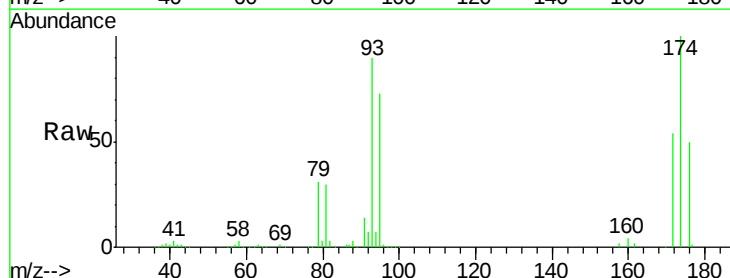
Tgt Ion: 93 Resp: 591050

Ion Ratio Lower Upper

93 100

95 80.4 65.7 98.5

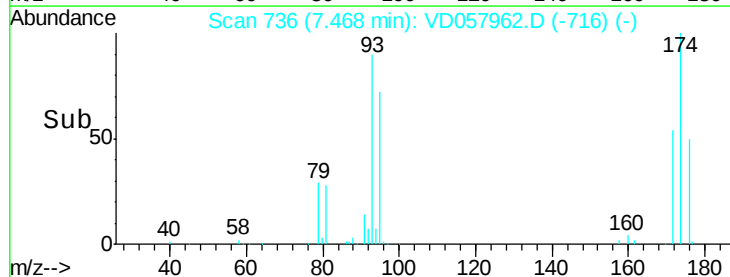
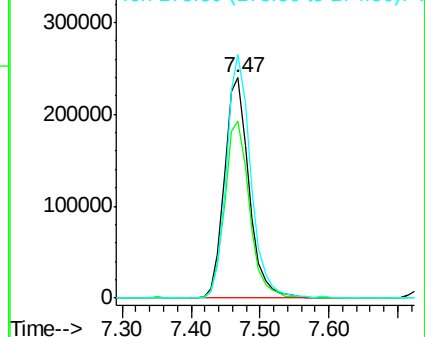
174 110.6 89.0 133.4

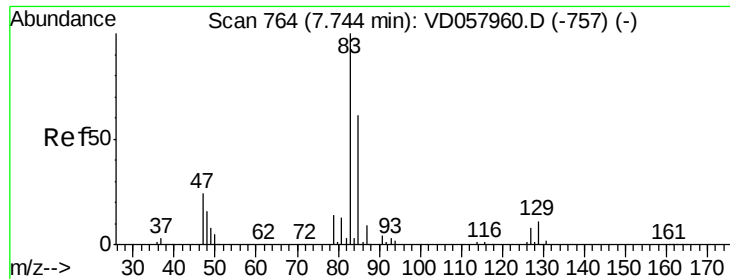


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 105.14 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

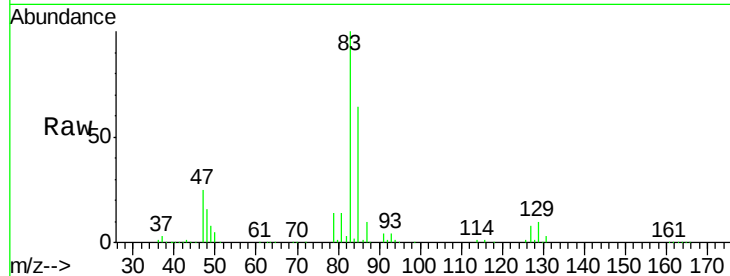
Tot Ion: 83 Resp: 1393200

Ion Ratio Lower Upper

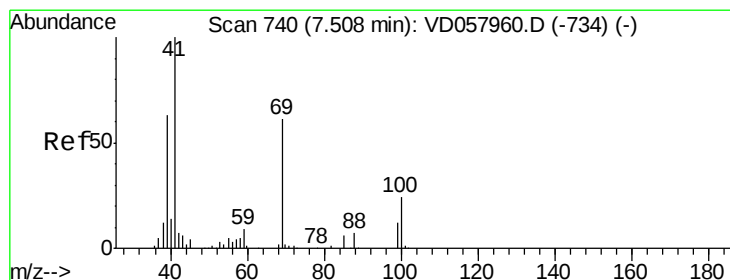
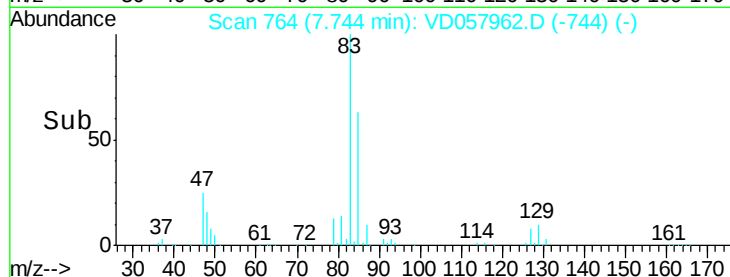
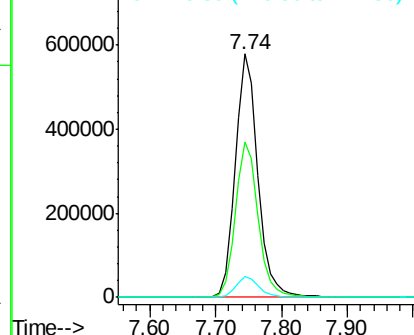
83 100

85 63.6 49.1 73.7

127 8.4 6.2 9.2



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



#48

Methyl methacrylate

Concen: 107.57 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

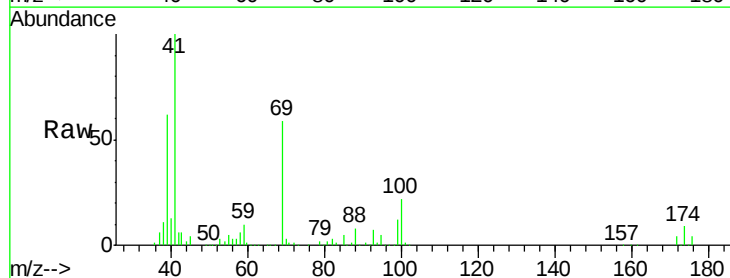
Tgt Ion: 41 Resp: 642048

Ion Ratio Lower Upper

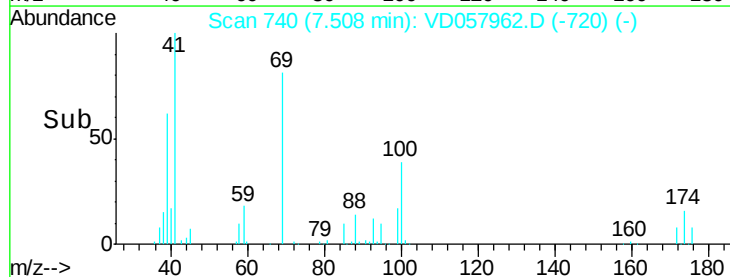
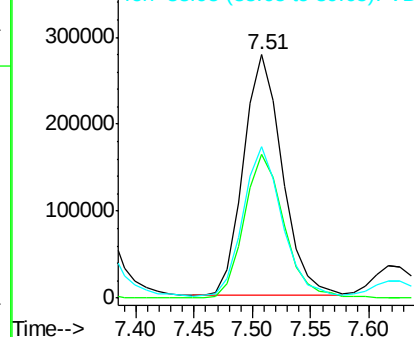
41 100

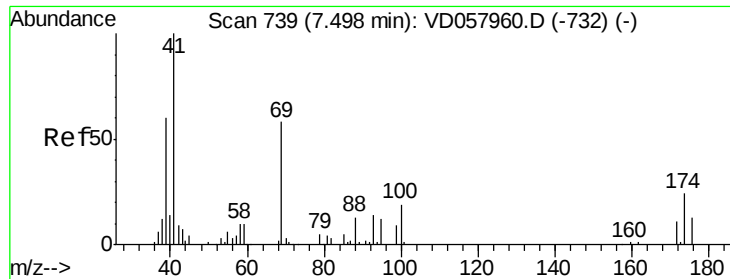
69 58.8 48.0 72.0

39 62.4 50.7 76.1



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





#49

1,4-Dioxane

Concen: 2150.89 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

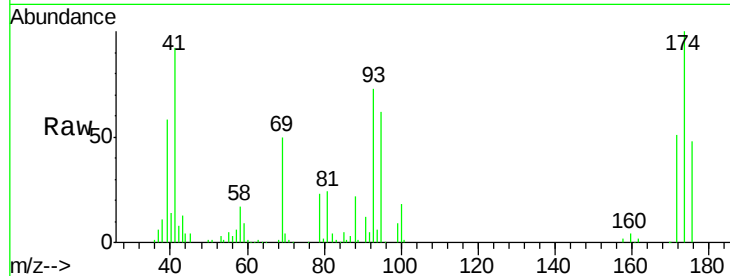
Tot Ion: 88 Resp: 106354

Ion Ratio Lower Upper

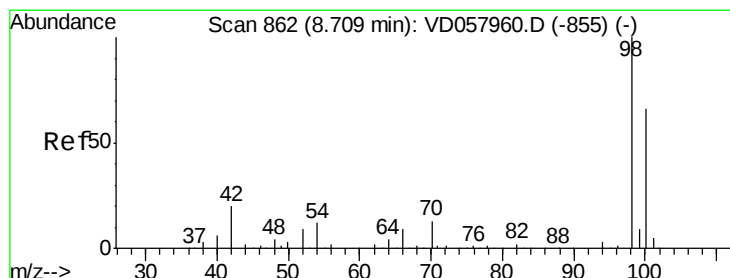
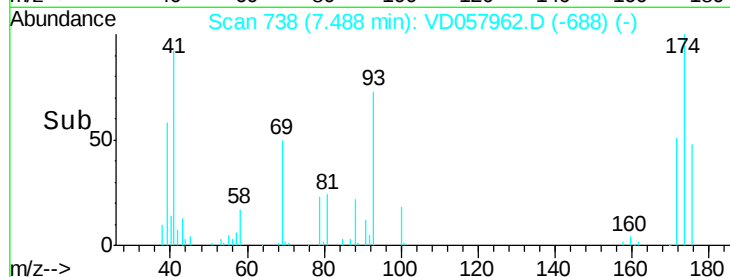
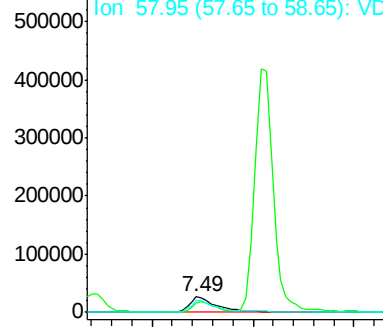
88 100

43 59.9 46.6 69.8

58 75.2 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: 2150.89 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD057962.D

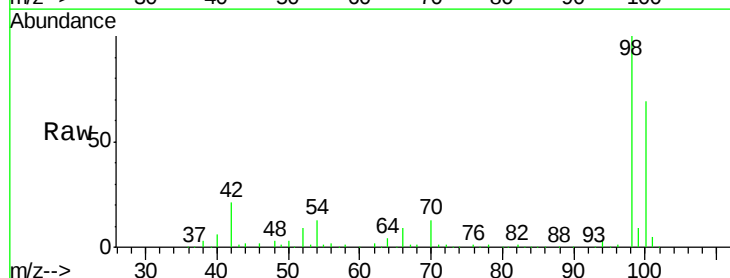
Acq: 6 Jun 2018 20:14

Tgt Ion: 98 Resp: 2099316

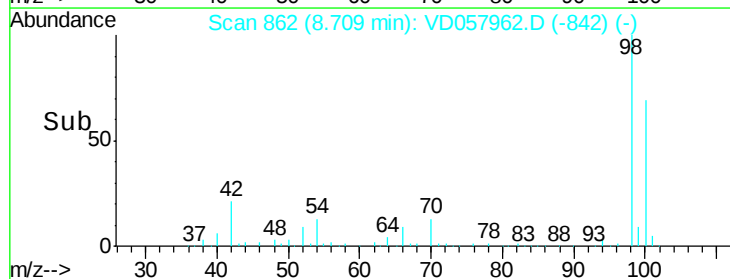
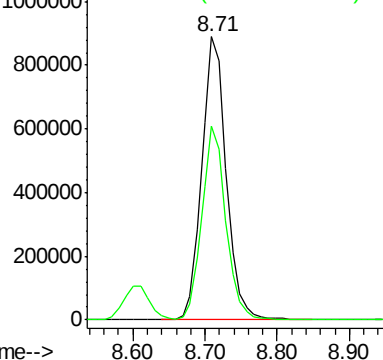
Ion Ratio Lower Upper

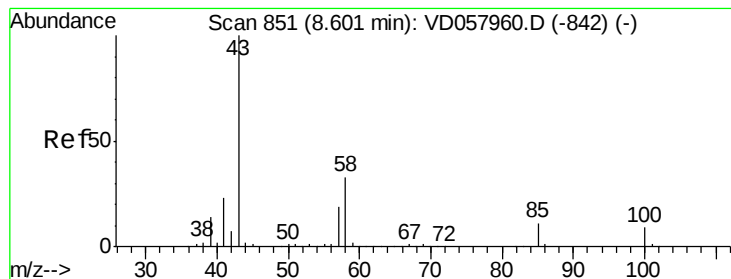
98 100

100 68.7 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: 485.81 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

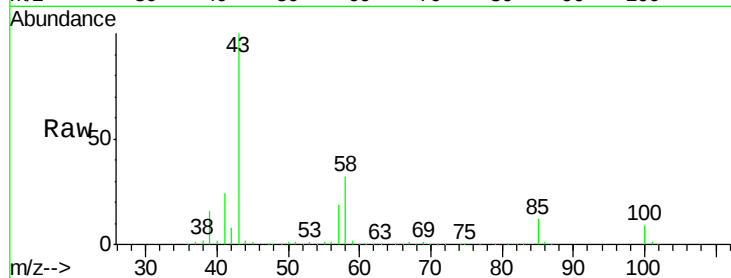
VSTDIC100

Tot Ion: 43 Resp: 3021791

Ion Ratio Lower Upper

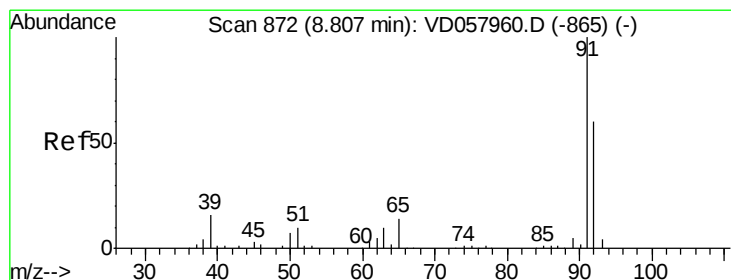
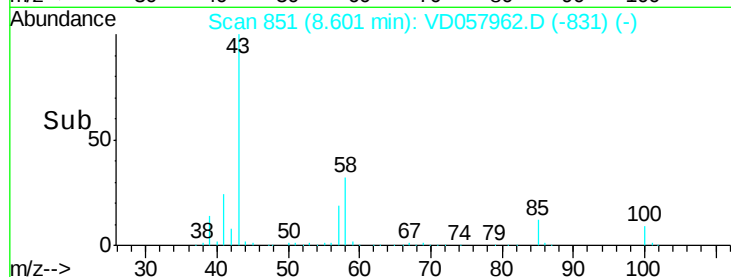
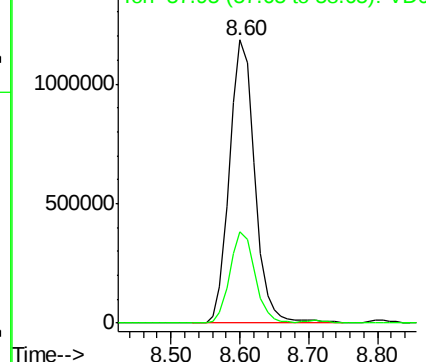
43 100

58 32.2 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 90.13 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD057962.D

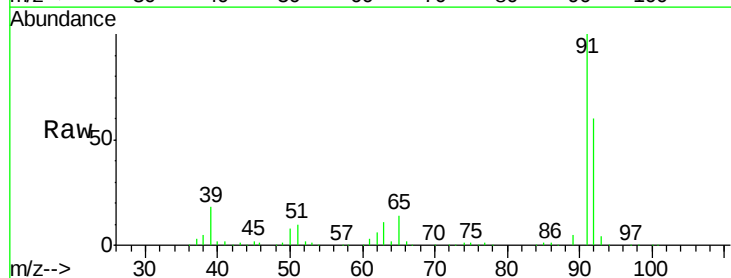
Acq: 6 Jun 2018 20:14

Tgt Ion: 92 Resp: 1639518

Ion Ratio Lower Upper

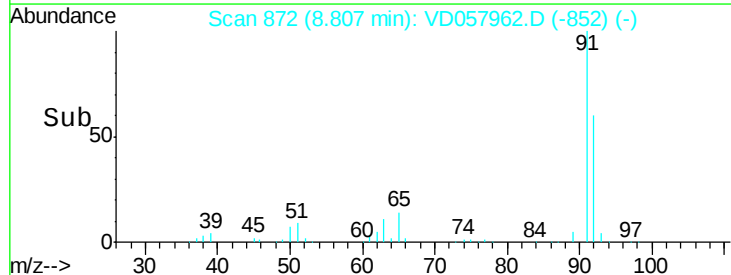
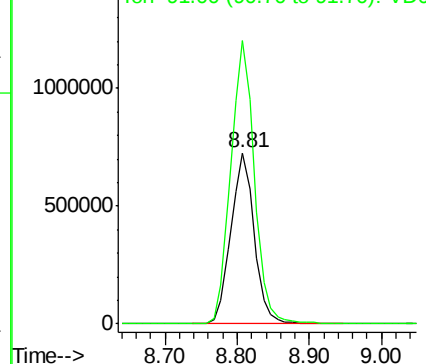
92 100

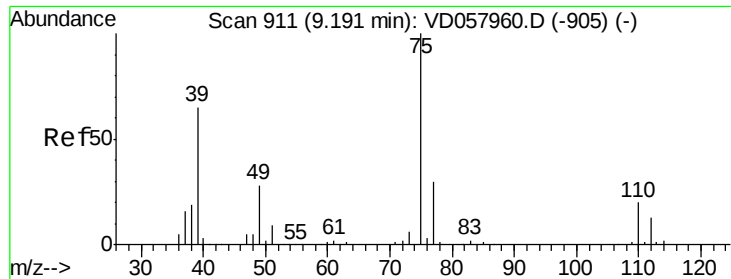
91 165.4 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 103.60 ug/l

RT: 9.19 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

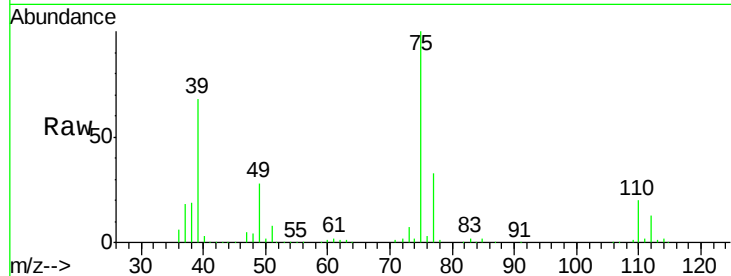
VSTDIC100

Tot Ion: 75 Resp: 1182709

Ion Ratio Lower Upper

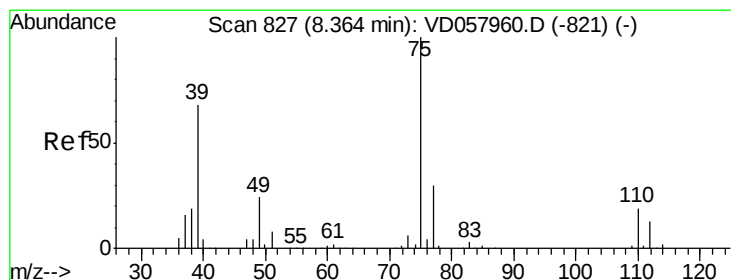
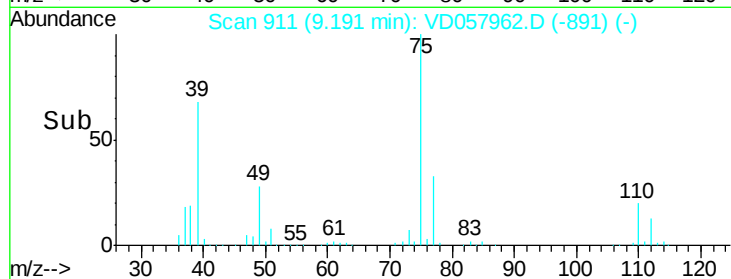
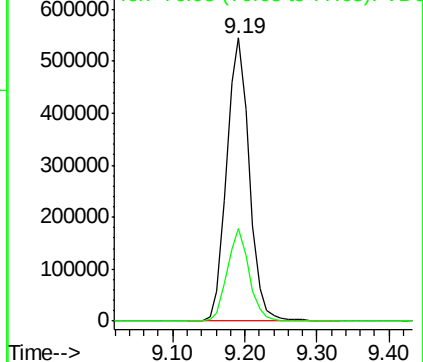
75 100

77 32.9 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: 102.14 ug/l

RT: 8.36 min Scan# 827

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

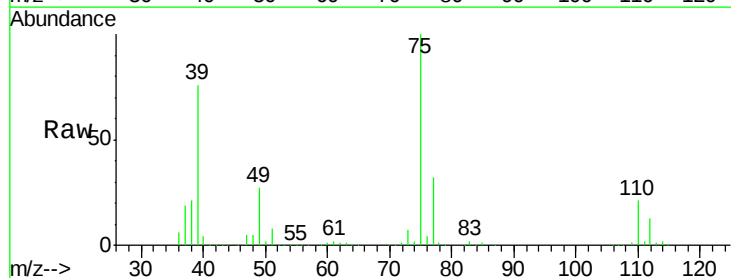
Tgt Ion: 75 Resp: 1373795

Ion Ratio Lower Upper

75 100

77 31.5 24.1 36.1

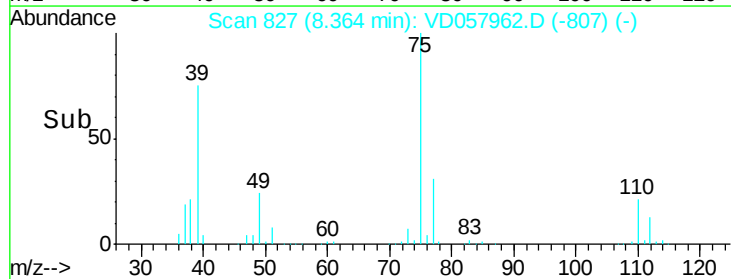
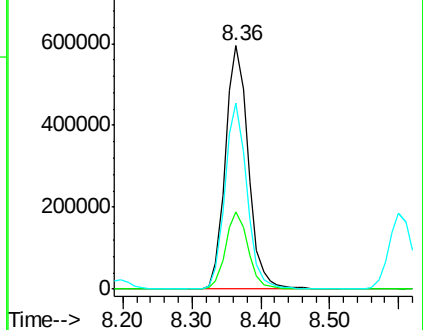
39 76.2 54.0 81.0

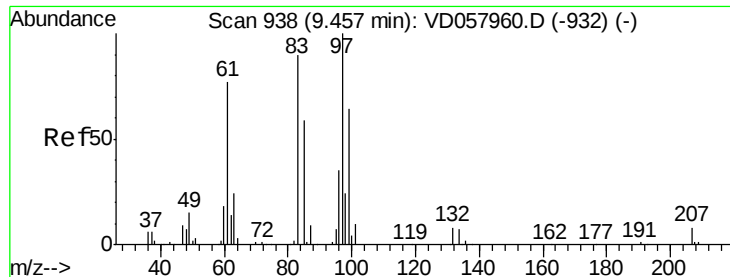


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

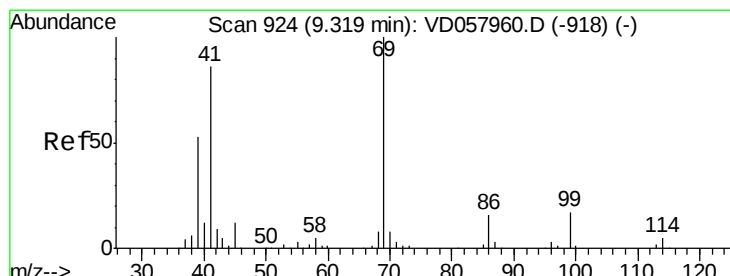
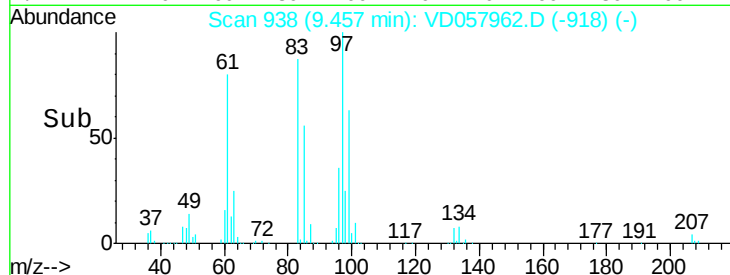
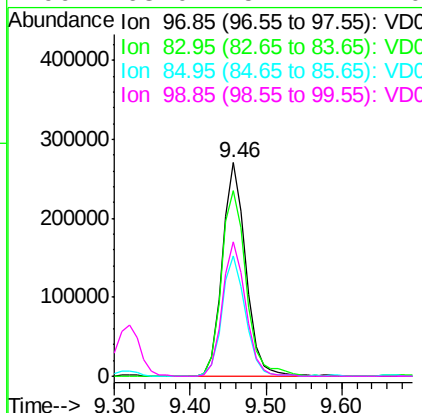
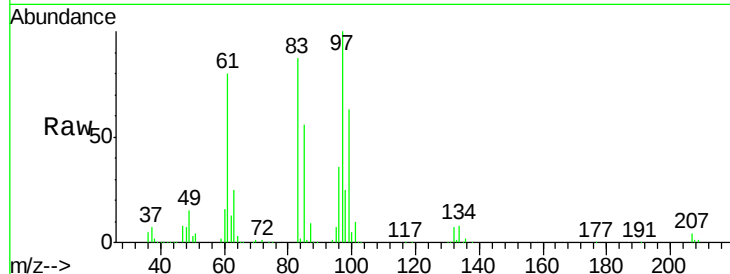




#55
 1,1,2-Trichloroethane
 Concen: 98.99 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

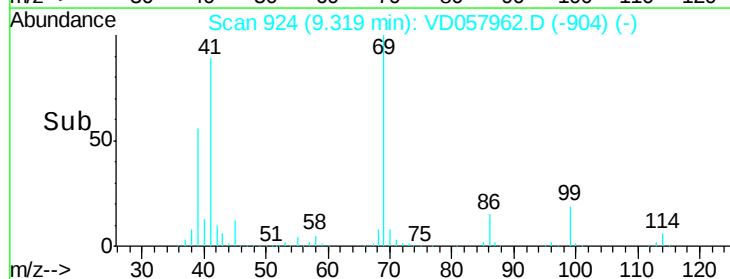
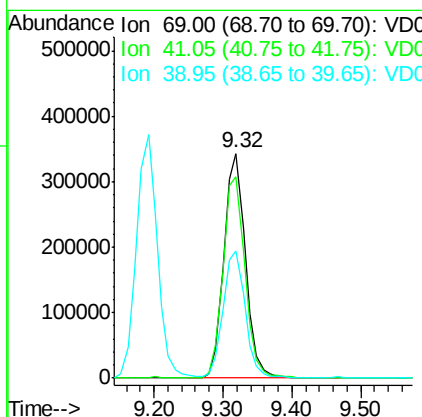
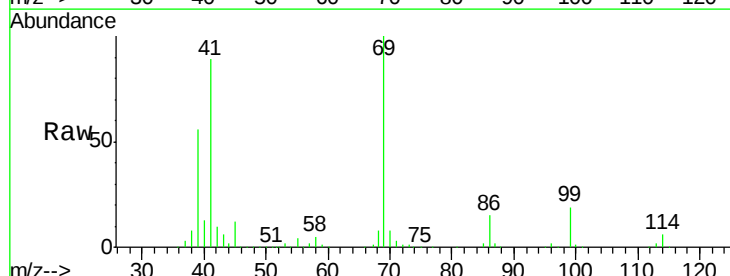
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

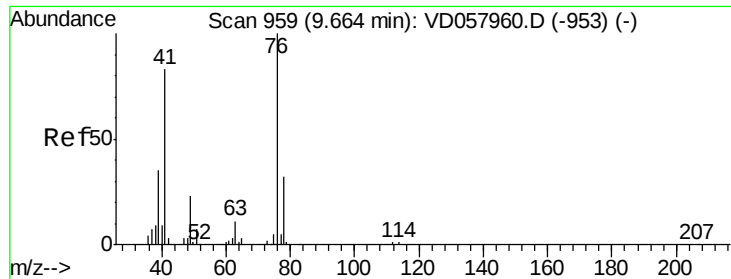
Tot Ion:	97	Resp:	582800
Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.8	107.8
85	56.2	47.2	70.8
99	63.0	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 102.90 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:	69	Resp:	743095
Ion	Ratio	Lower	Upper
69	100		
41	89.4	68.4	102.6
39	56.4	43.0	64.4





#57

1,3-Dichloropropane

Concen: 101.58 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

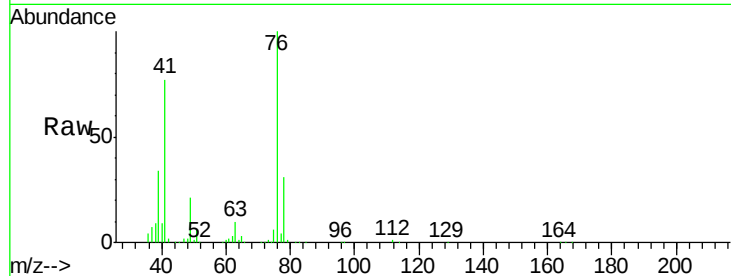
VSTDIC100

Tot Ion: 76 Resp: 1048887

Ion Ratio Lower Upper

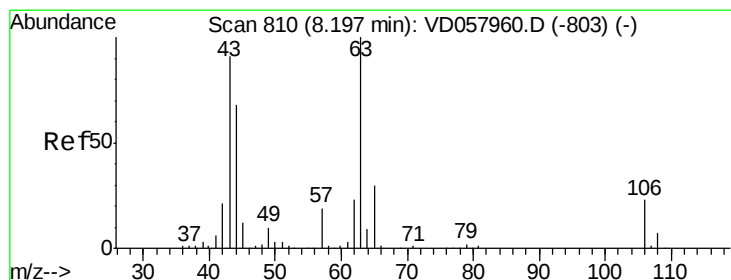
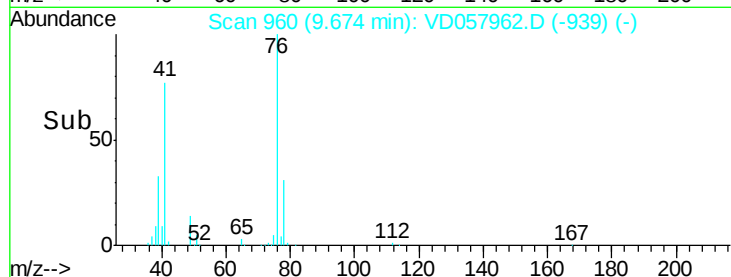
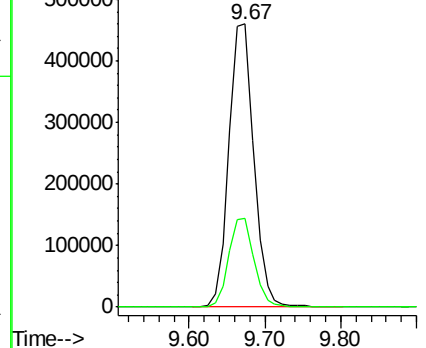
76 100

78 31.5 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 462.46 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD057962.D

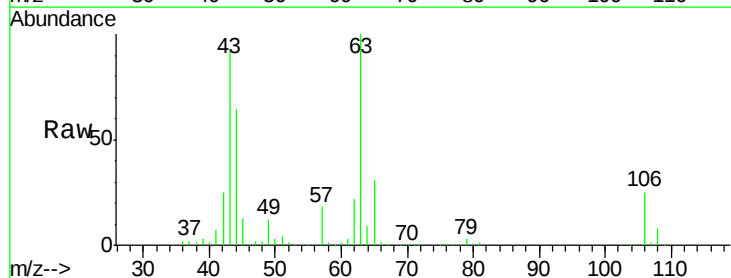
Acq: 6 Jun 2018 20:14

Tgt Ion: 63 Resp: 1687371

Ion Ratio Lower Upper

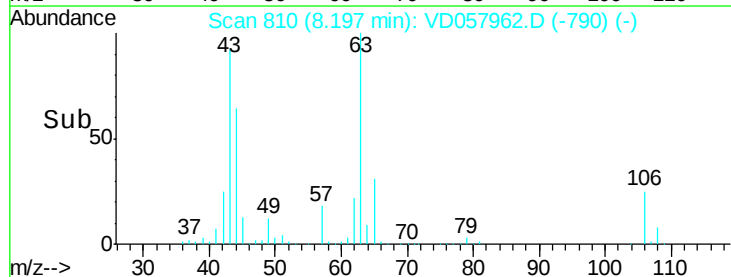
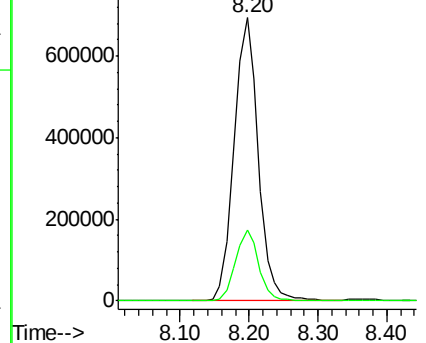
63 100

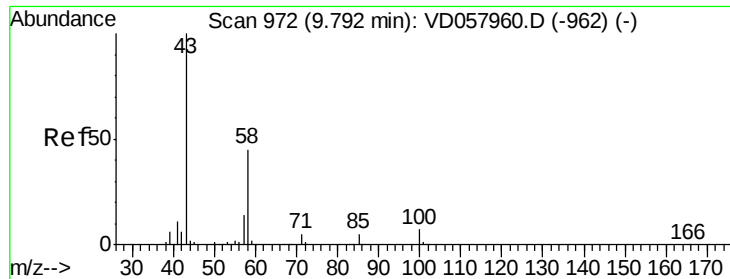
106 25.0 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

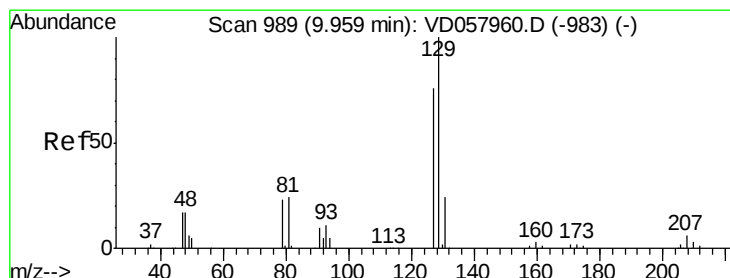
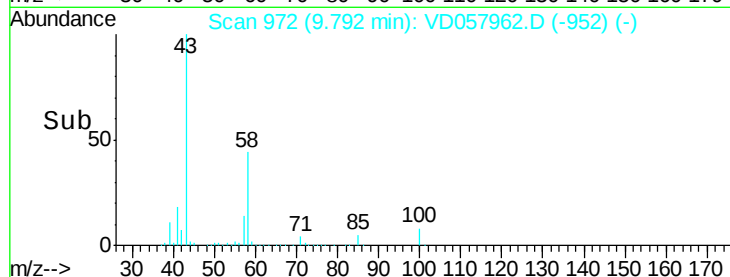
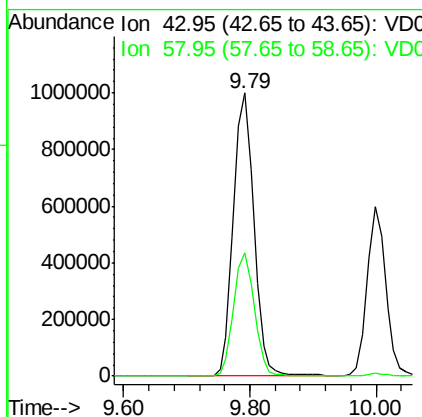
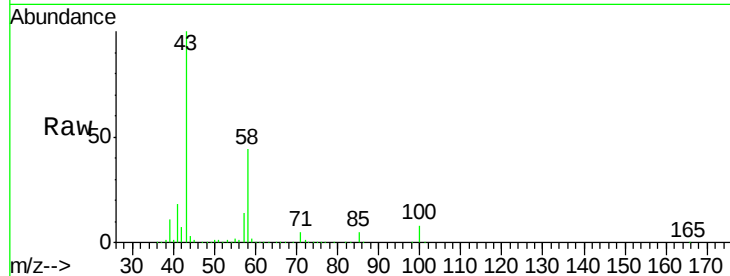




#59
2-Hexanone
Concen: 495.23 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

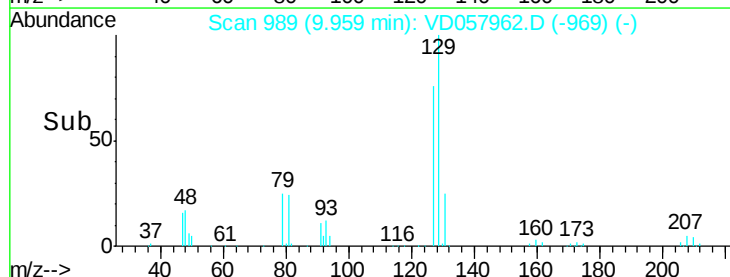
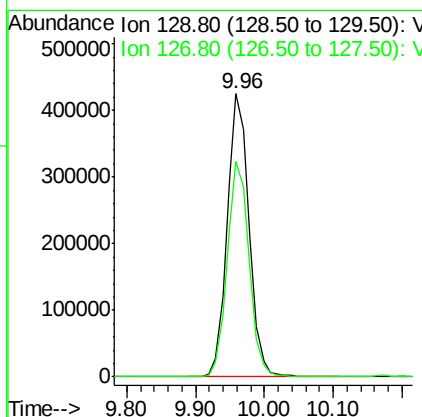
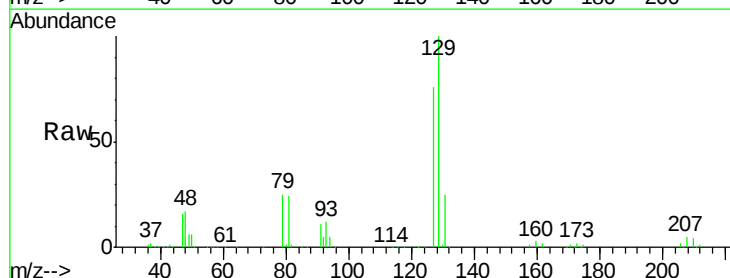
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

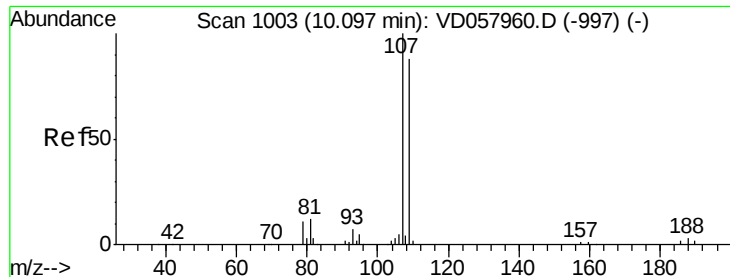
Tot Ion: 43 Resp: 2257403
Ion Ratio Lower Upper
43 100
58 43.7 22.5 67.5



#60
Dibromochloromethane
Concen: 111.98 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 129 Resp: 929662
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 104.87 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

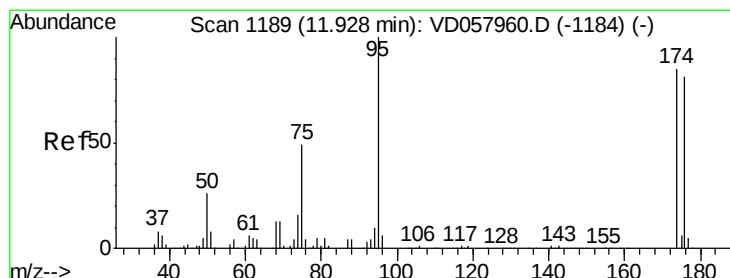
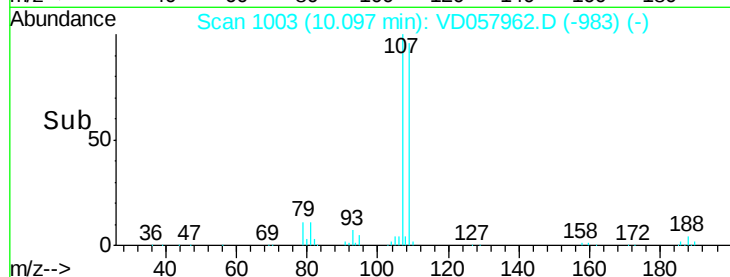
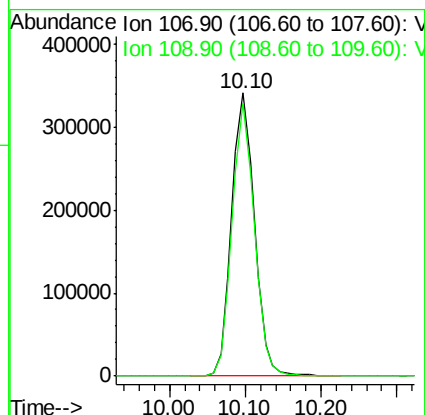
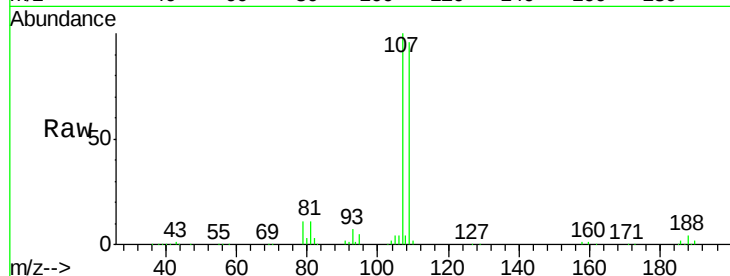
VSTDIC100

Tot Ion:107 Resp: 710043

Ion Ratio Lower Upper

107 100

109 96.3 70.6 106.0



#62

4-Bromofluorobenzene

Concen: 104.87 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

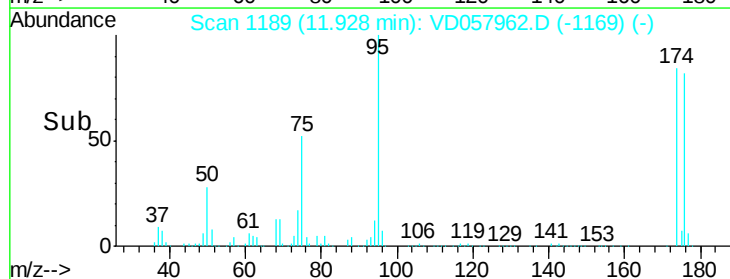
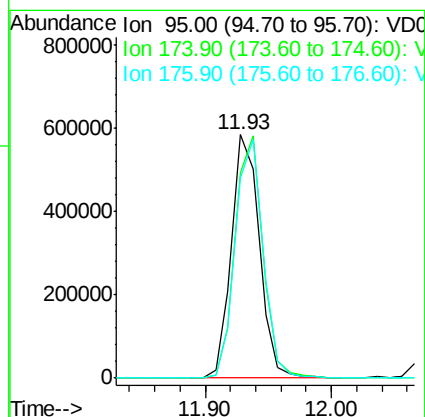
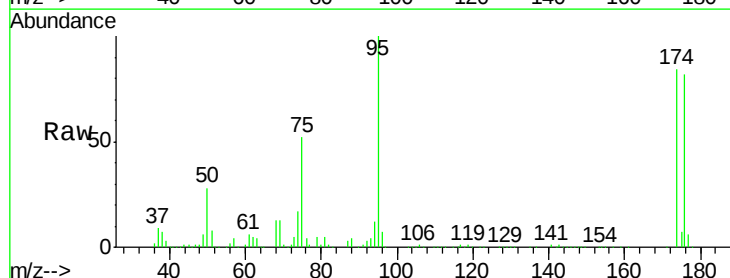
Tgt Ion: 95 Resp: 892874

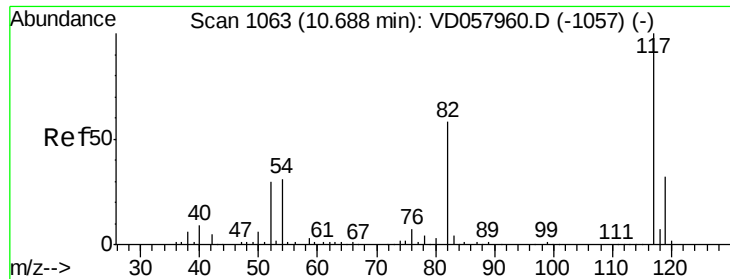
Ion Ratio Lower Upper

95 100

174 84.2 0.0 169.4

176 82.2 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

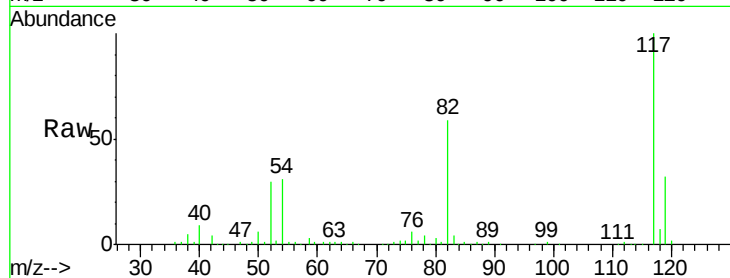
Tot Ion:117 Resp: 999315

Ion Ratio Lower Upper

117 100

82 59.0 46.8 70.2

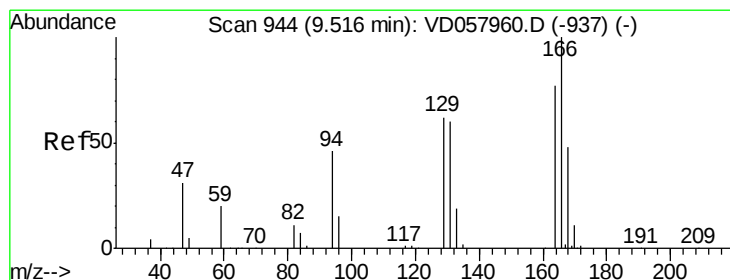
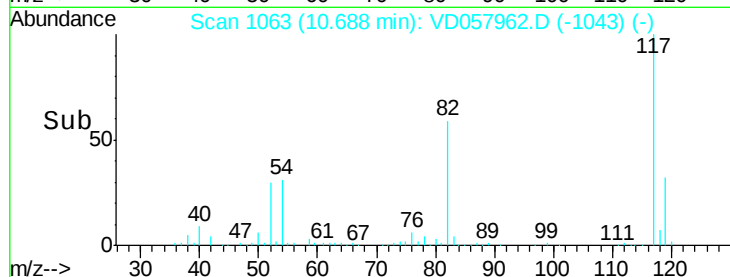
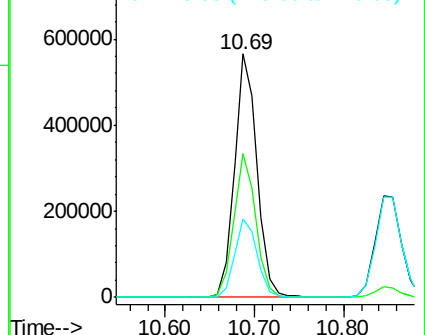
119 32.2 25.8 38.6



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: 98.11 ug/l

RT: 9.52 min Scan# 944

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Tgt Ion:164 Resp: 876459

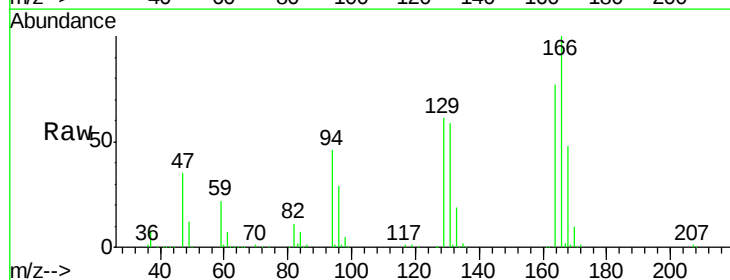
Ion Ratio Lower Upper

164 100

166 130.2 104.4 156.6

129 78.8 65.0 97.6

131 76.3 62.9 94.3

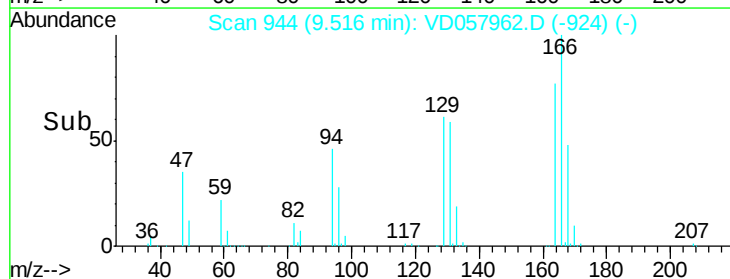
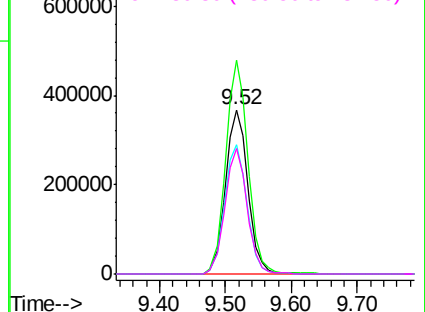


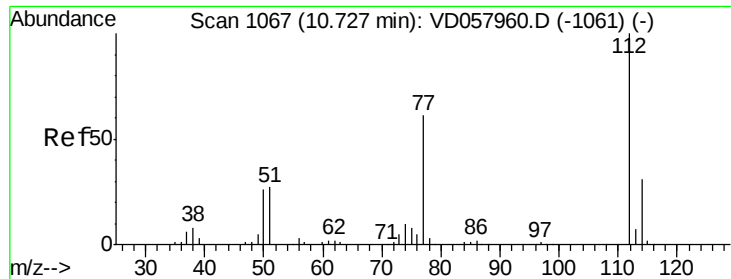
Abundance Ion 163.85 (163.55 to 164.55): V

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

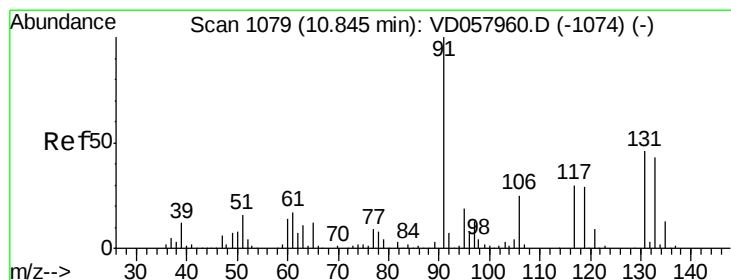
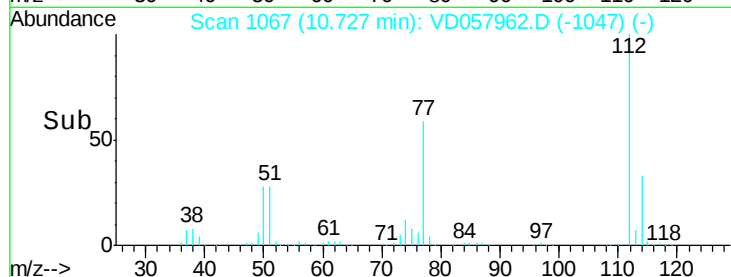
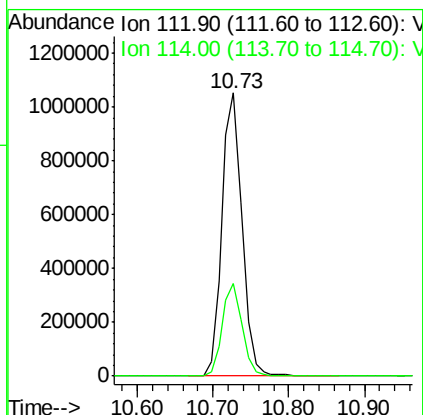
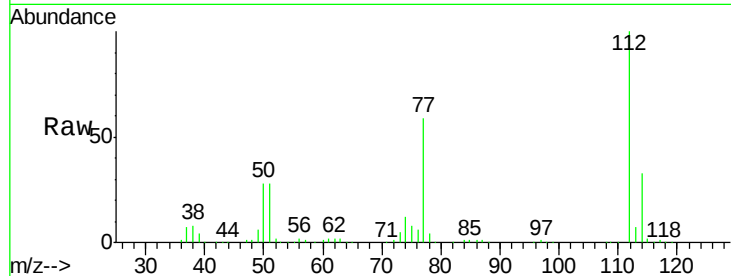




#65
Chlorobenzene
Concen: 96.44 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

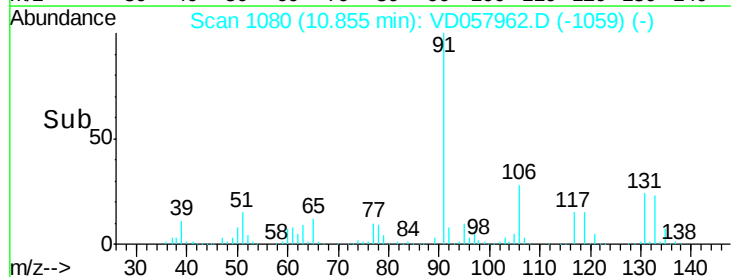
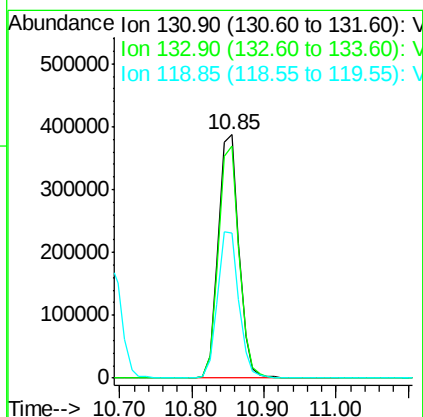
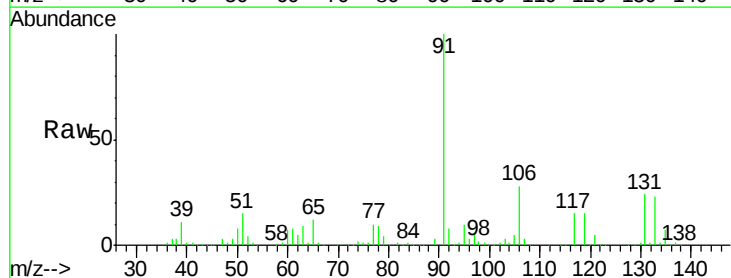
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

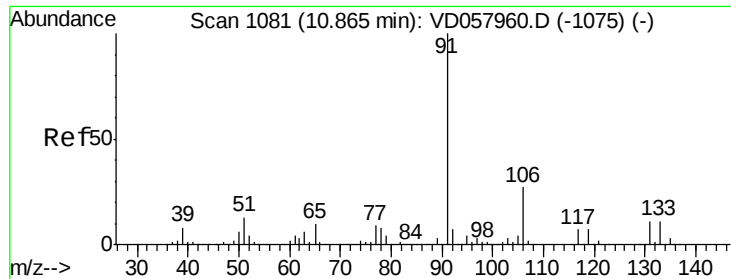
Tot Ion:112 Resp: 1950997
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 98.12 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion:131 Resp: 762627
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.6
119 59.8 31.8 95.3

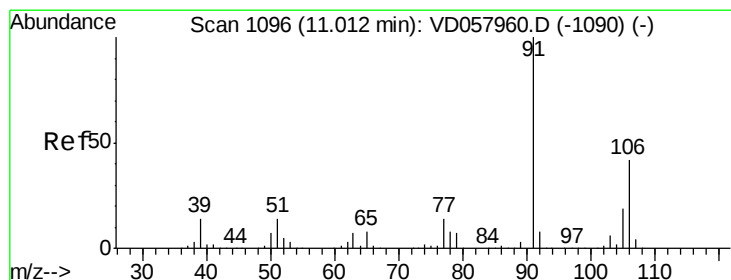
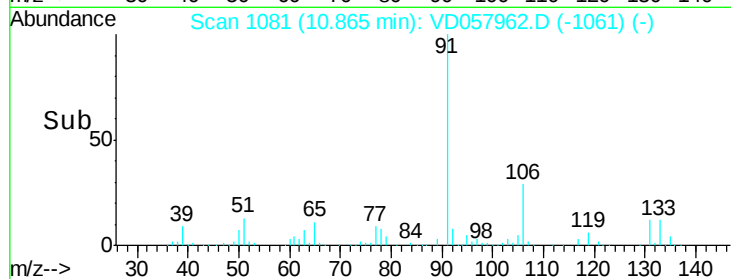
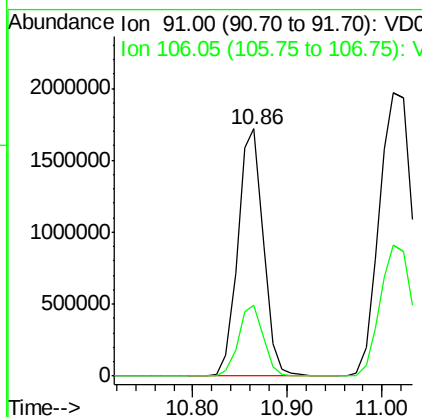
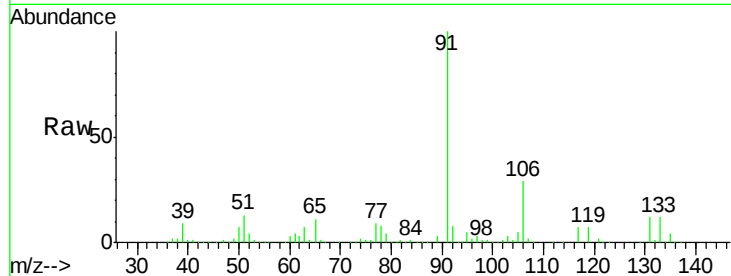




#67
Ethyl Benzene
Concen: 87.45 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

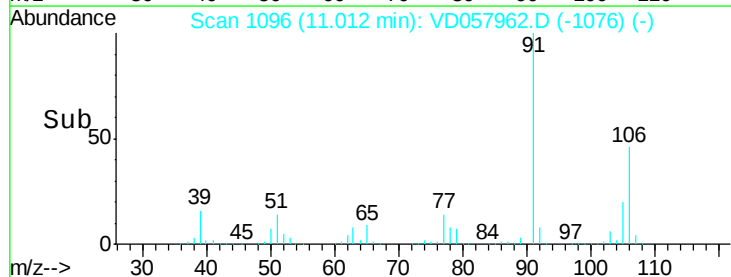
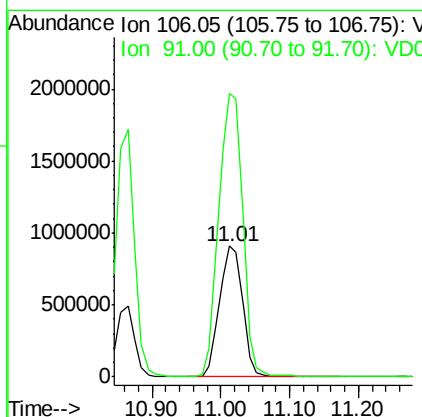
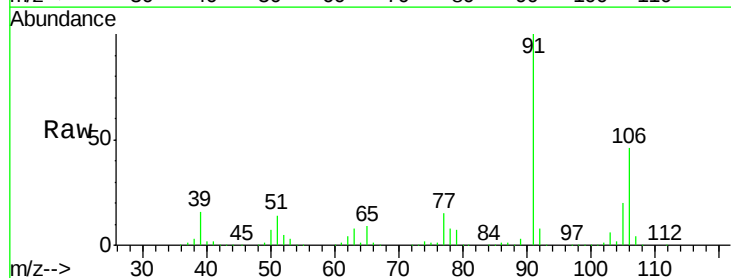
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

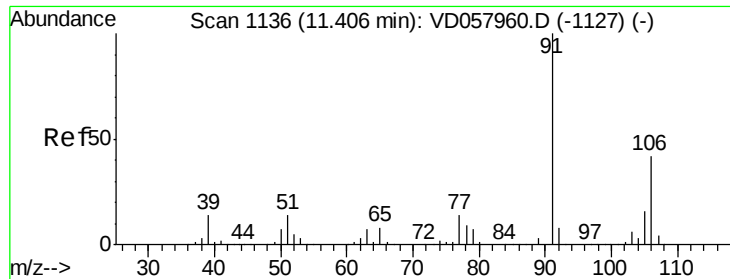
Tot Ion: 91 Resp: 3196274
Ion Ratio Lower Upper
91 100
106 28.9 21.5 32.3



#68
m/p-Xylenes
Concen: 177.03 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 106 Resp: 2109339
Ion Ratio Lower Upper
106 100
91 216.3 190.4 285.6

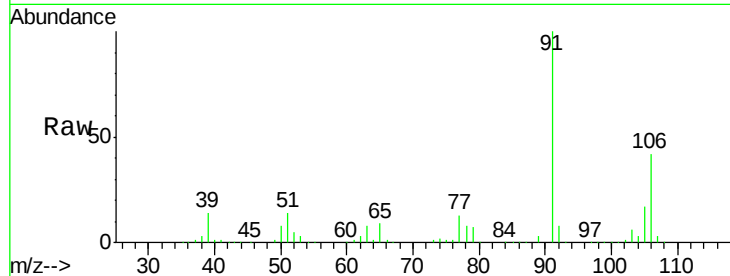




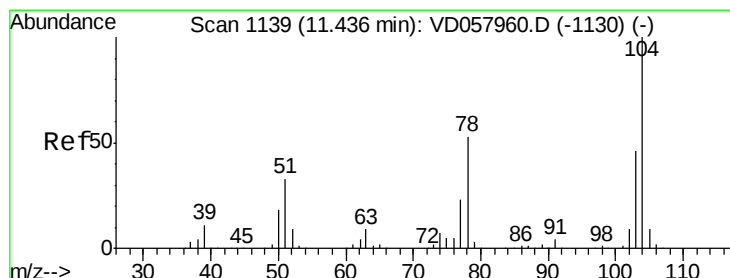
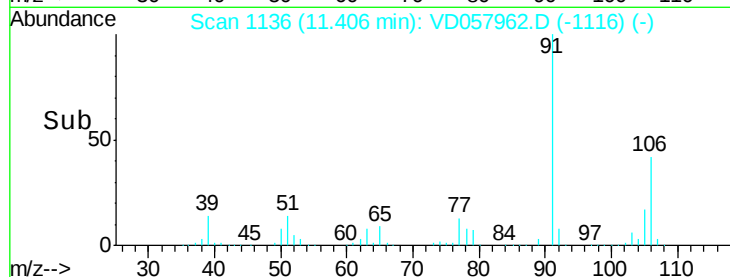
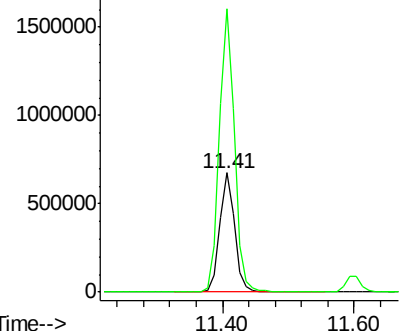
#69
o-Xylene
Concen: 90.59 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion:106 Resp: 1071370
Ion Ratio Lower Upper
106 100
91 238.0 120.6 361.7

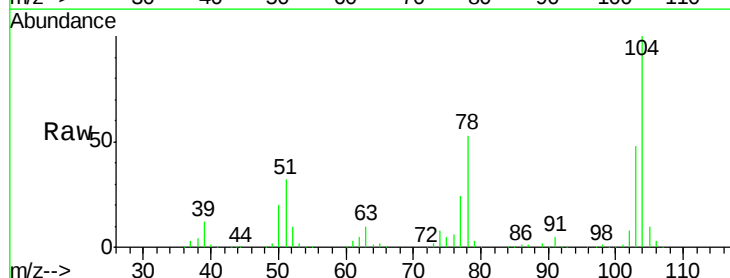


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

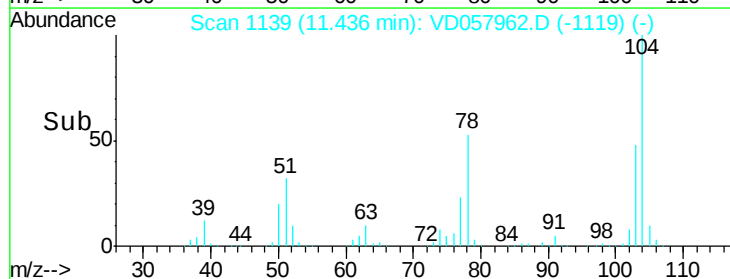
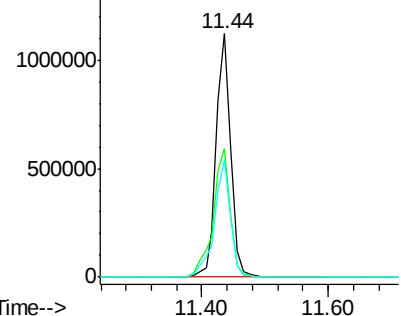


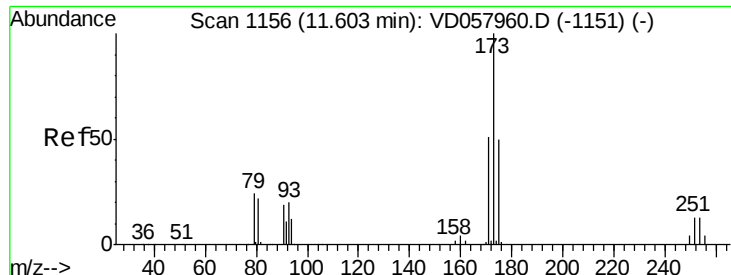
#70
Styrene
Concen: 90.37 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion:104 Resp: 1769258
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 47.9 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: 116.29 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

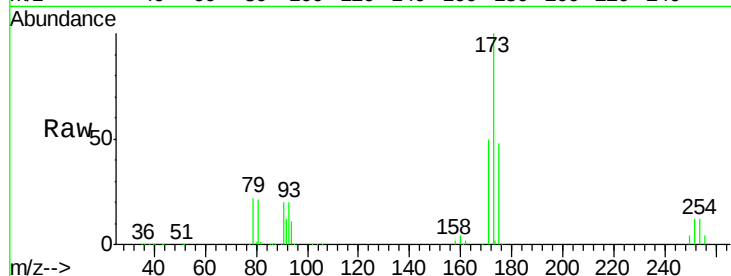
Tot Ion:173 Resp: 679939

Ion Ratio Lower Upper

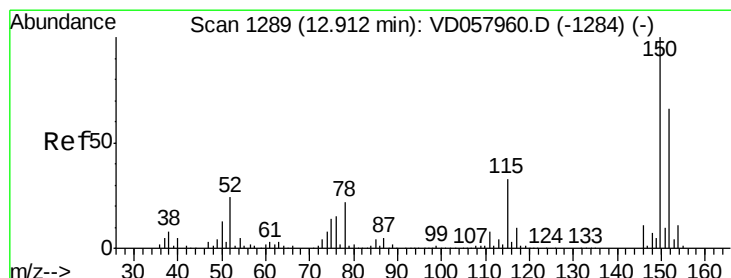
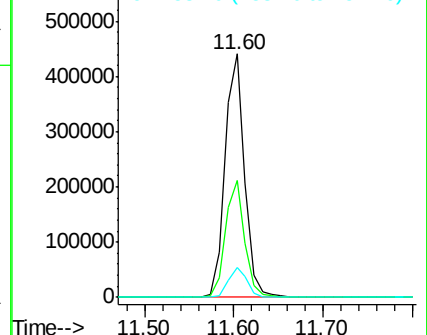
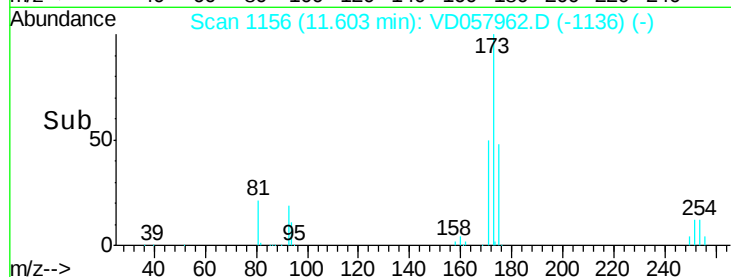
173 100

175 48.1 25.1 75.2

254 12.2 10.7 16.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

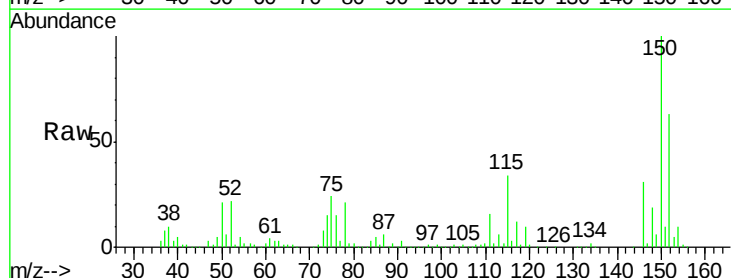
Tgt Ion:152 Resp: 481828

Ion Ratio Lower Upper

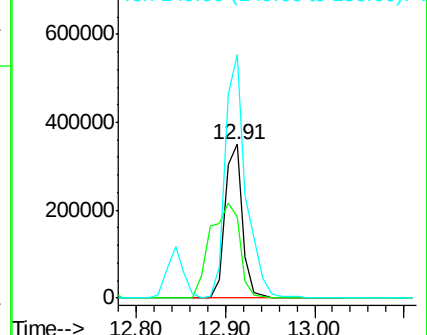
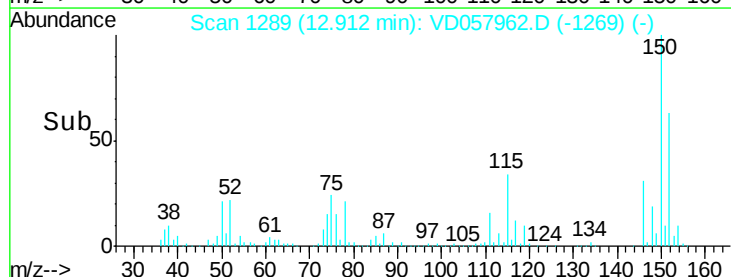
152 100

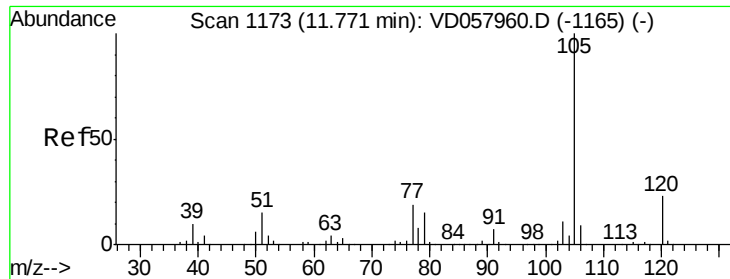
115 53.1 25.6 76.6

150 158.2 0.0 306.8



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





#73

Isopropylbenzene

Concen: 97.35 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

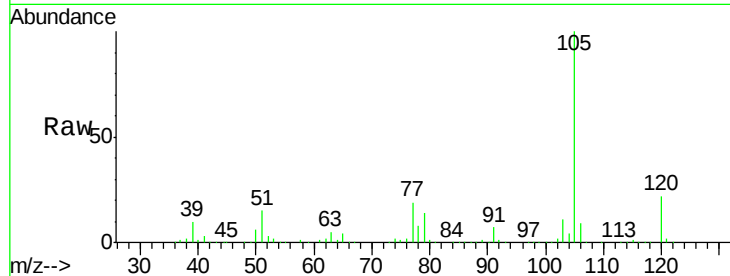
VSTDIC100

Tot Ion:105 Resp: 3106673

Ion Ratio Lower Upper

105 100

120 21.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

2000000

1500000

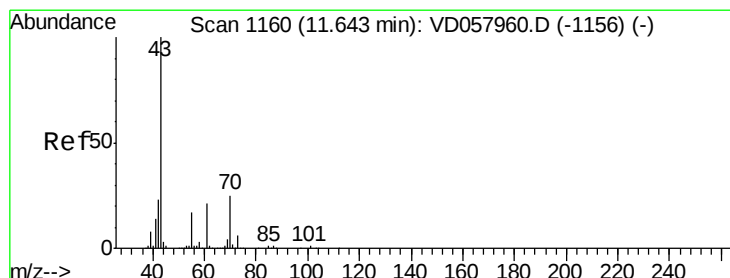
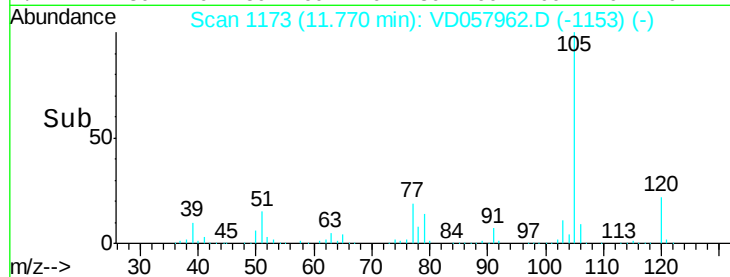
1000000

500000

0

11.70 11.80 11.90

Time-->



#74

N-ethyl acetate

Concen: 105.22 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Tgt Ion: 43 Resp: 1295817

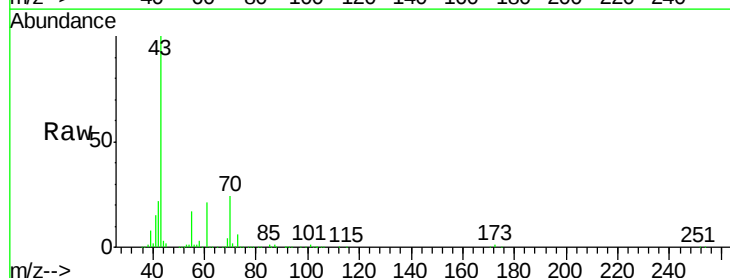
Ion Ratio Lower Upper

43 100

70 24.5 20.3 30.5

55 16.8 13.9 20.9

61 20.8 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

1200000

1000000

800000

600000

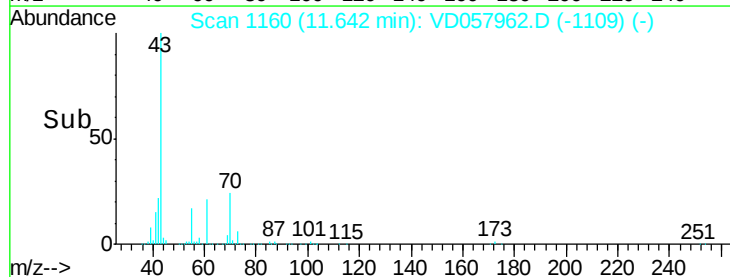
400000

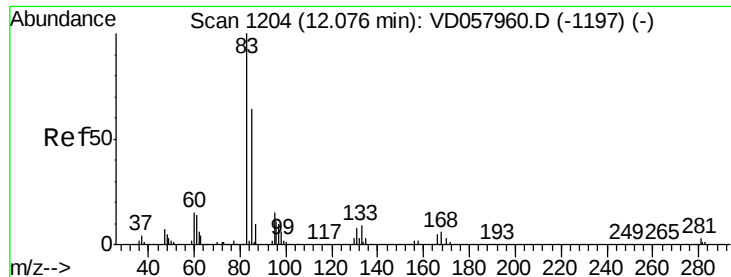
200000

0

11.60 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 102.16 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

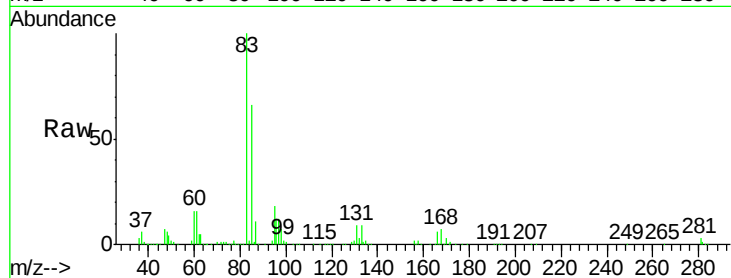
Tot Ion: 83 Resp: 710846

Ion Ratio Lower Upper

83 100

131 9.0 4.2 12.6

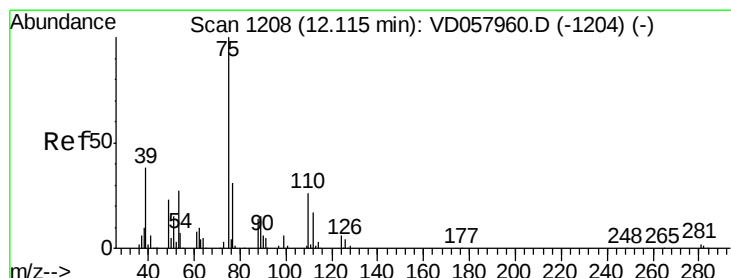
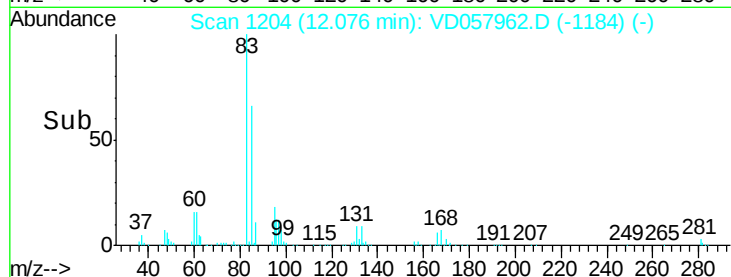
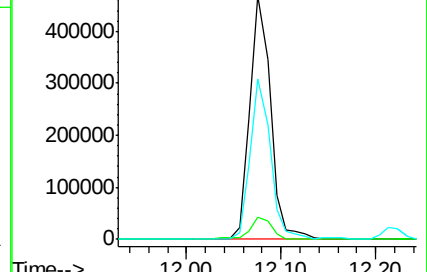
85 66.0 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 100.19 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD057962.D

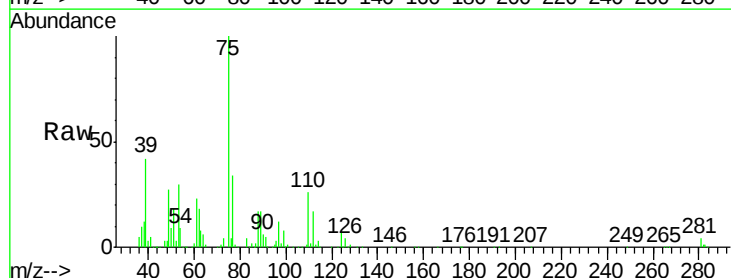
Acq: 6 Jun 2018 20:14

Tgt Ion: 75 Resp: 725160

Ion Ratio Lower Upper

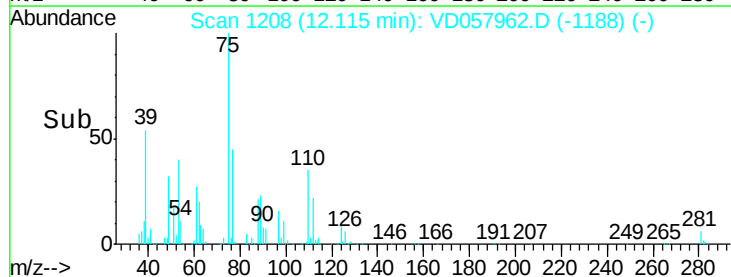
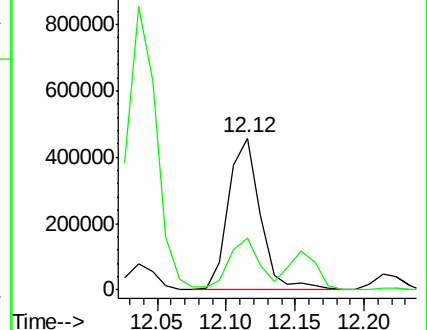
75 100

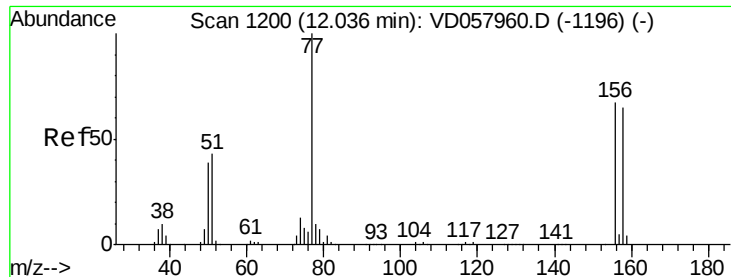
77 33.8 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 102.56 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

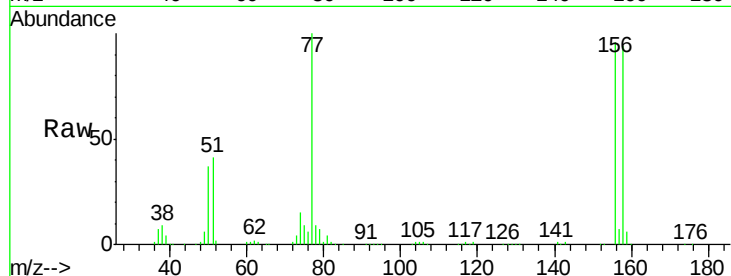
Tot Ion:156 Resp: 968838

Ion Ratio Lower Upper

156 100

77 103.9 75.0 224.8

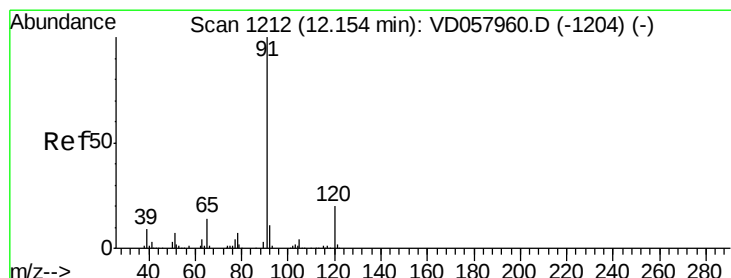
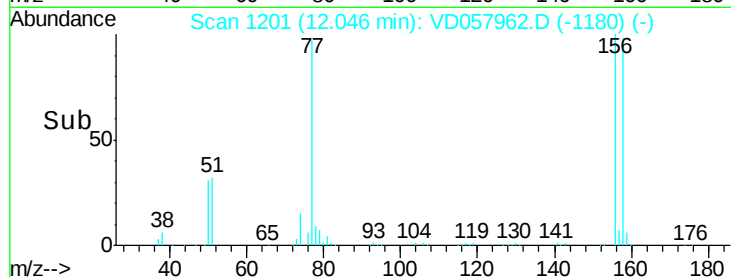
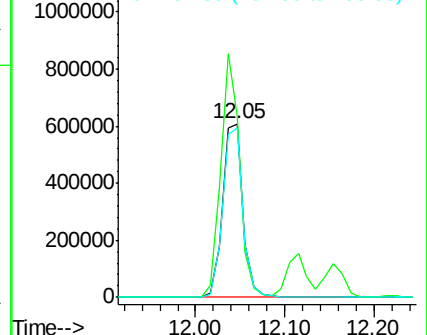
158 97.9 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 90.71 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD057962.D

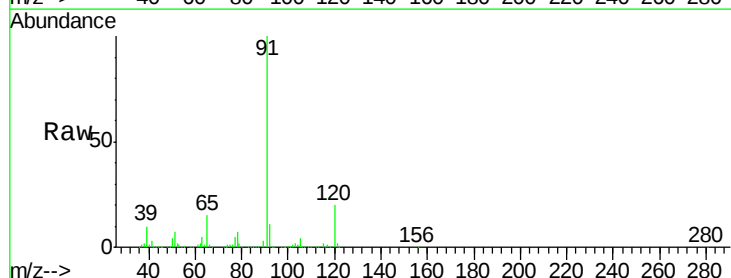
Acq: 6 Jun 2018 20:14

Tgt Ion: 91 Resp: 3766819

Ion Ratio Lower Upper

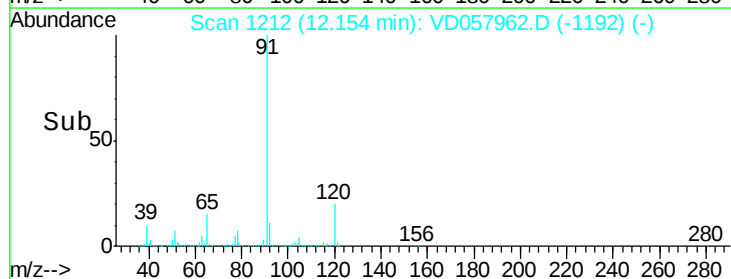
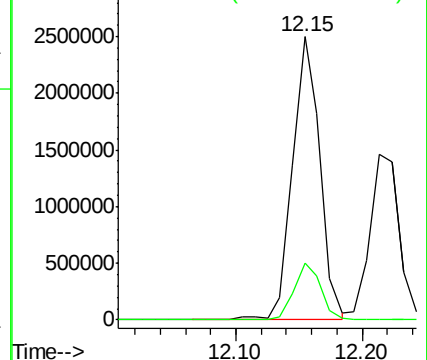
91 100

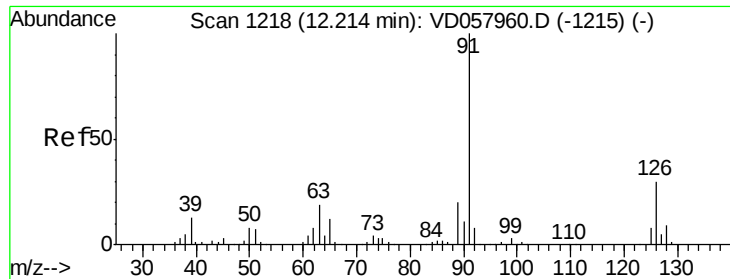
120 20.0 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

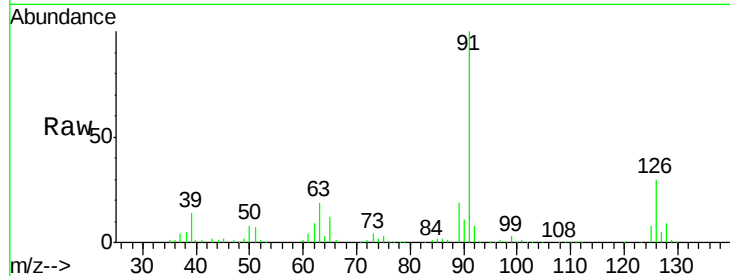




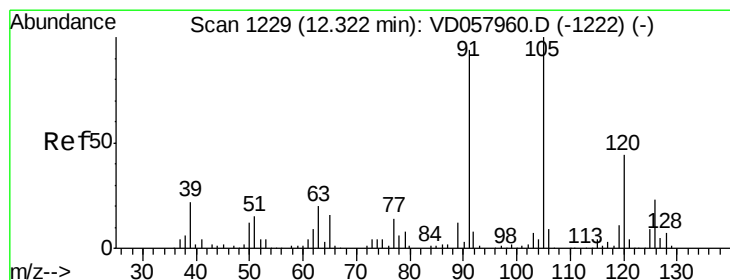
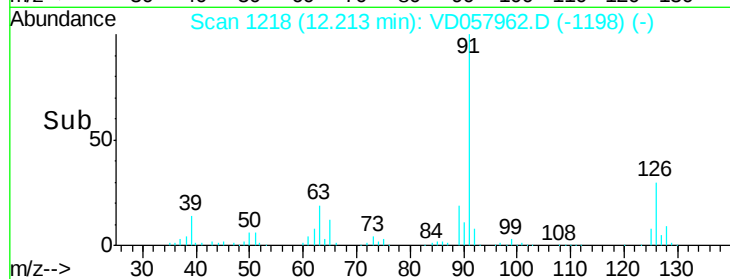
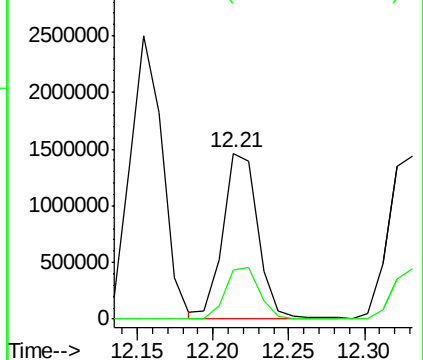
#79
 2-Chlorotoluene
 Concen: 97.98 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 2321214
 Ion Ratio Lower Upper
 91 100
 126 29.6 14.6 44.0

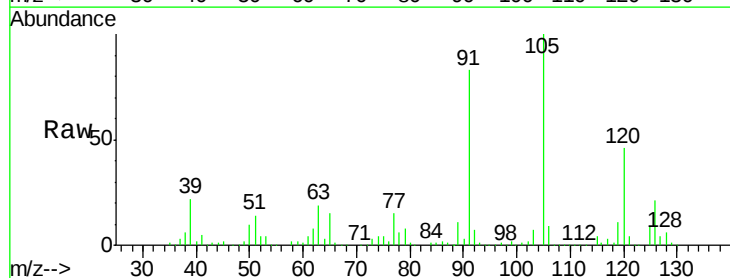


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

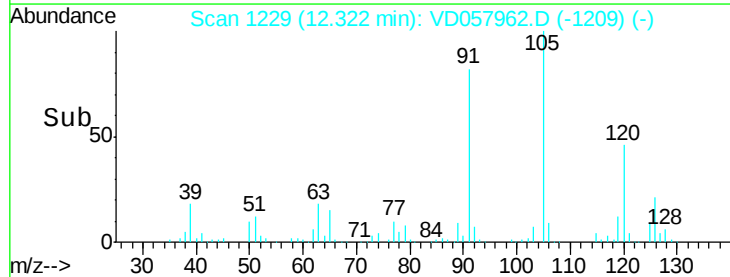
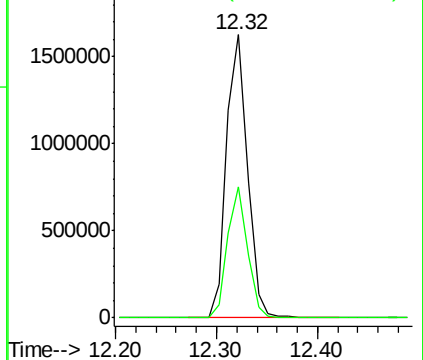


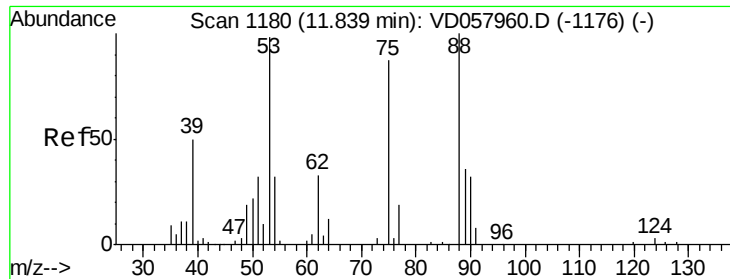
#80
 1,3,5-Trimethylbenzene
 Concen: 76.62 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 105 Resp: 2343540
 Ion Ratio Lower Upper
 105 100
 120 46.5 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: 115.64 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

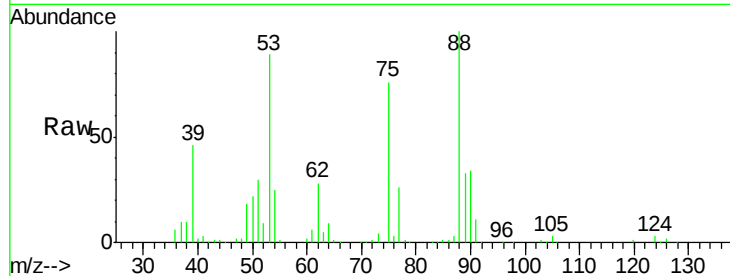
Tot Ion: 75 Resp: 207309

Ion Ratio Lower Upper

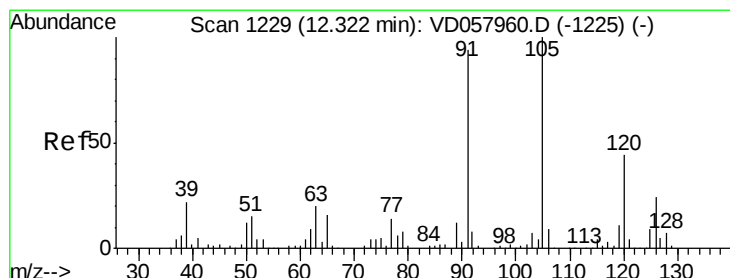
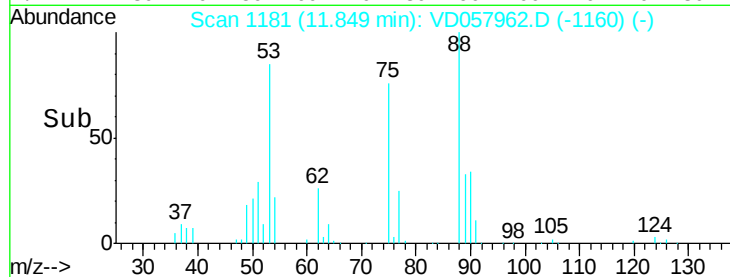
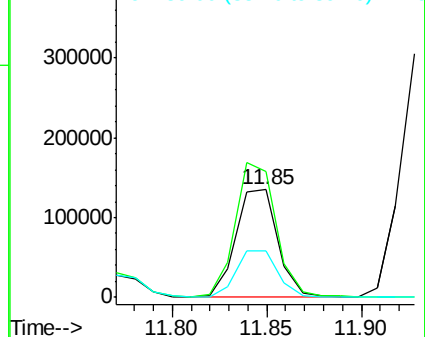
75 100

53 116.6 89.3 133.9

89 43.1 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: 88.89 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD057962.D

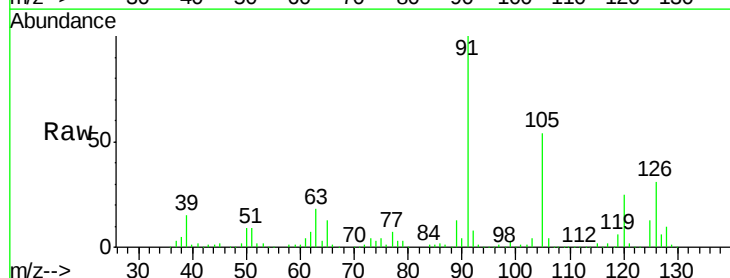
Acq: 6 Jun 2018 20:14

Tgt Ion: 91 Resp: 2300388

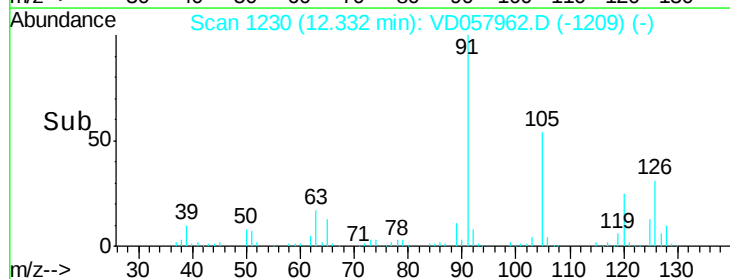
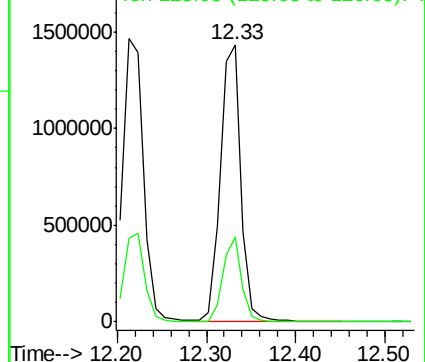
Ion Ratio Lower Upper

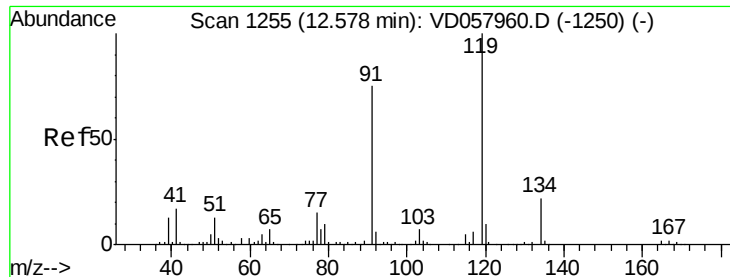
91 100

126 30.7 12.5 37.5



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

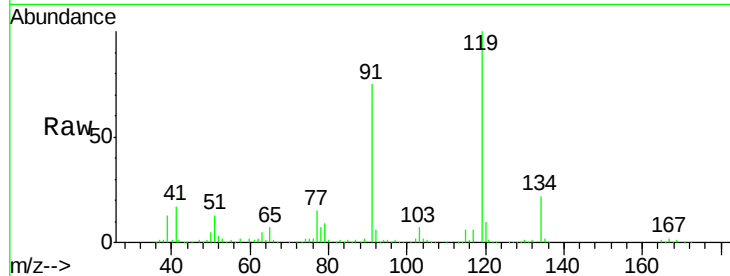




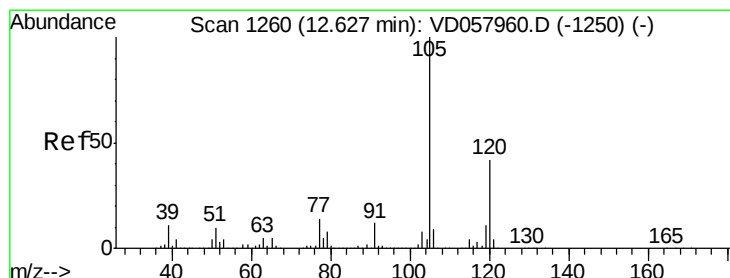
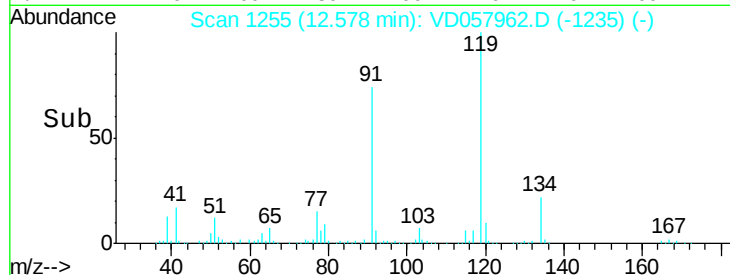
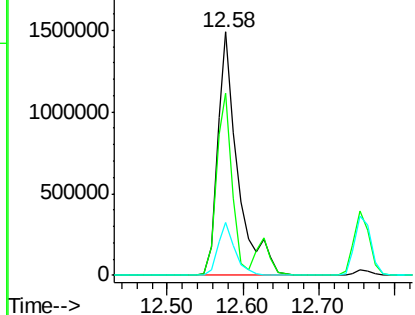
#83
 tert-Butylbenzene
 Concen: 99.02 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 2782869
 Ion Ratio Lower Upper
 119 100
 91 75.0 37.6 112.9
 134 21.6 11.2 33.5

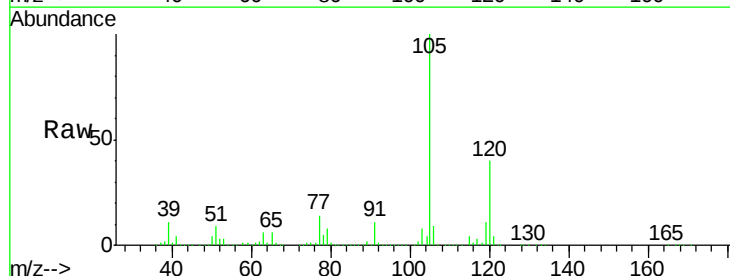


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

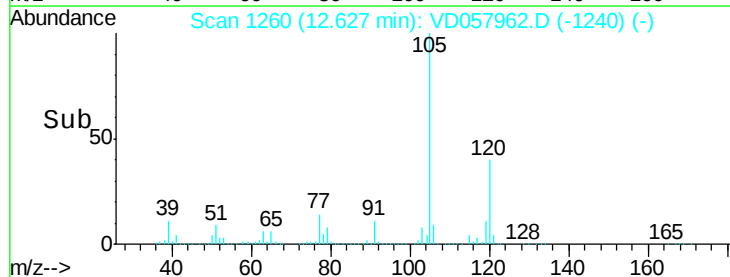
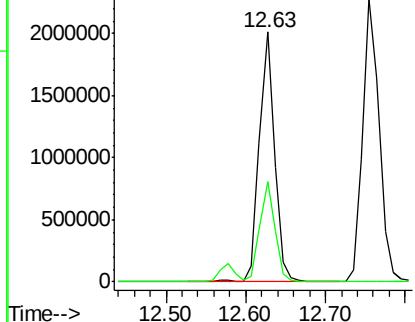


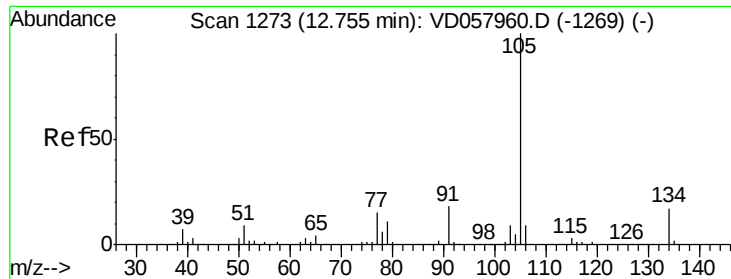
#84
 1,2,4-Trimethylbenzene
 Concen: 97.93 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:105 Resp: 2620723
 Ion Ratio Lower Upper
 105 100
 120 40.2 21.2 63.6



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





#85

sec-Butylbenzene

Concen: 96.07 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

Instrument :

MSVOA_D

ClientSampleId :

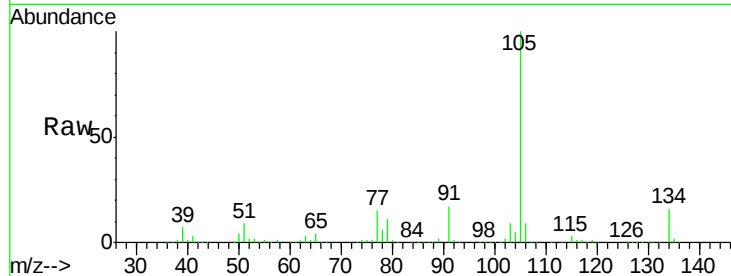
VSTDIC100

Tot Ion:105 Resp: 3258495

Ion Ratio Lower Upper

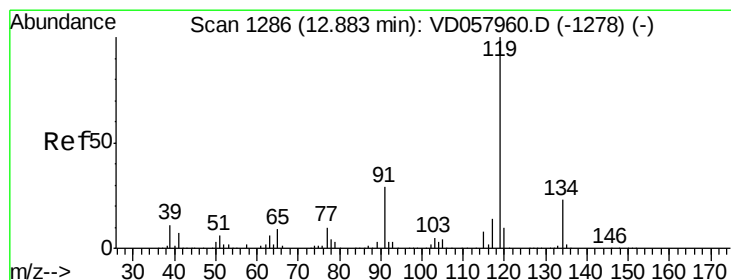
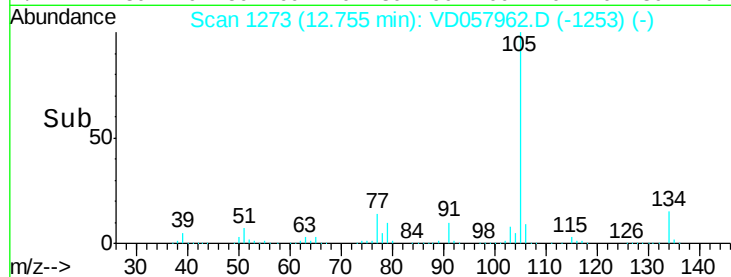
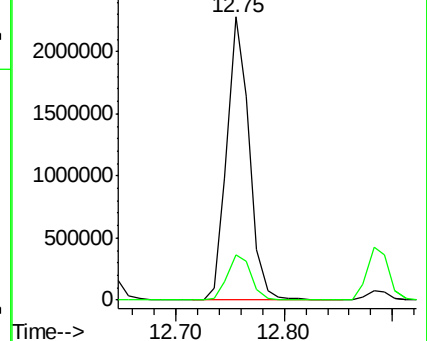
105 100

134 16.1 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 97.43 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD057962.D

Acq: 6 Jun 2018 20:14

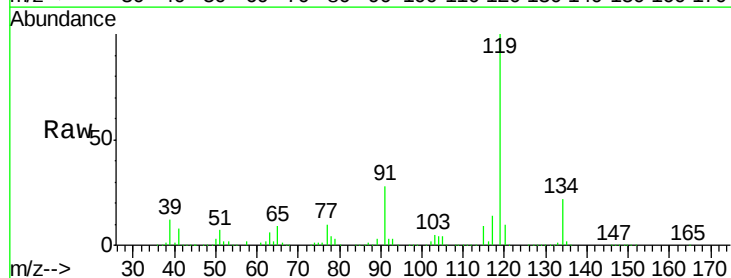
Tgt Ion:119 Resp: 2663379

Ion Ratio Lower Upper

119 100

134 22.1 11.5 34.4

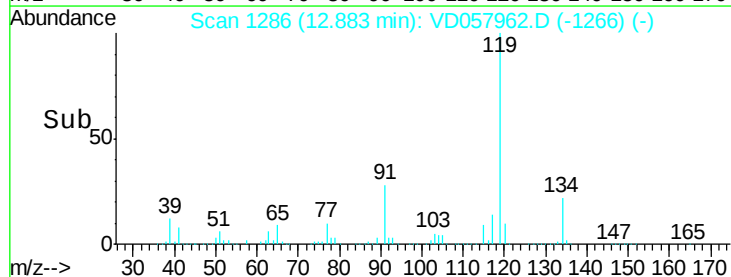
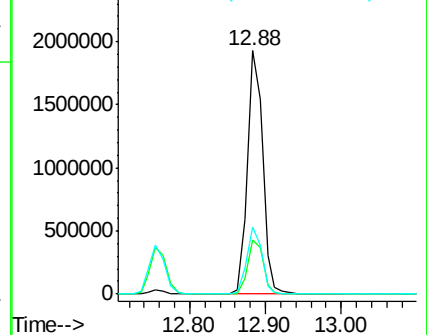
91 27.6 14.5 43.6

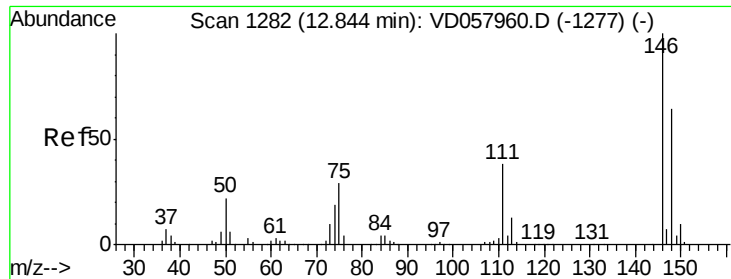


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

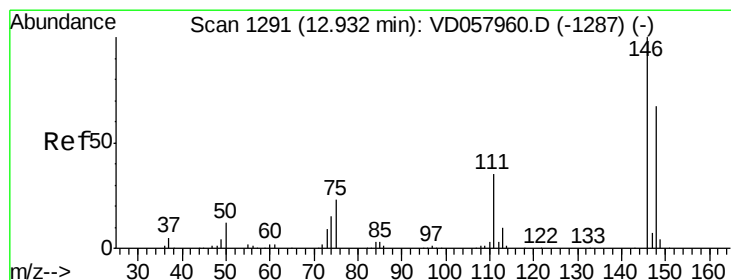
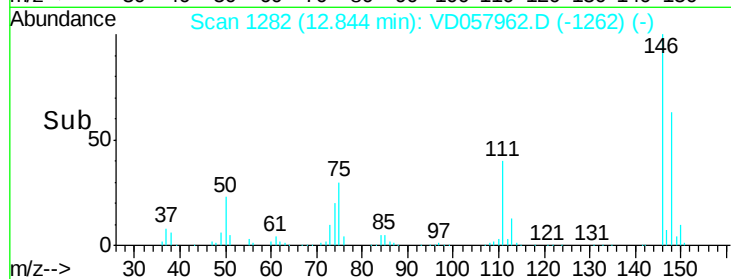
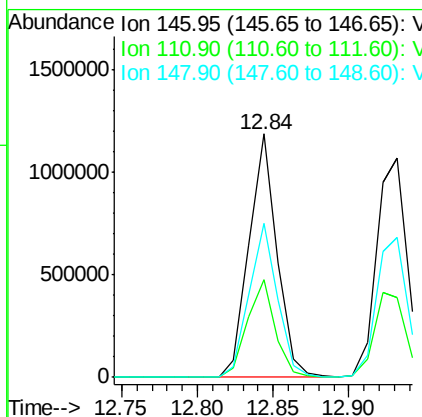
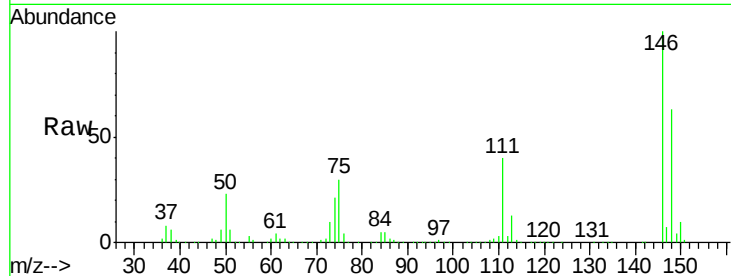




#87
 1,3-Dichlorobenzene
 Concen: 96.02 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

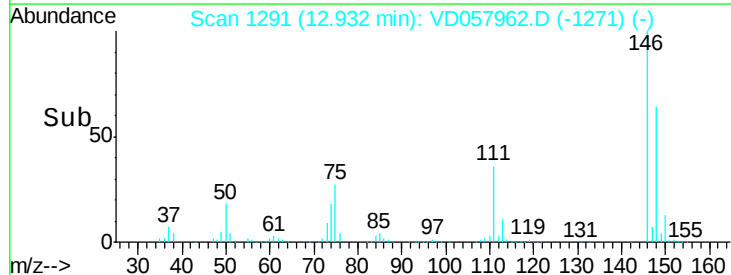
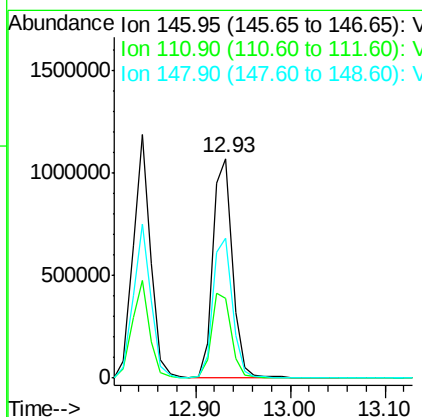
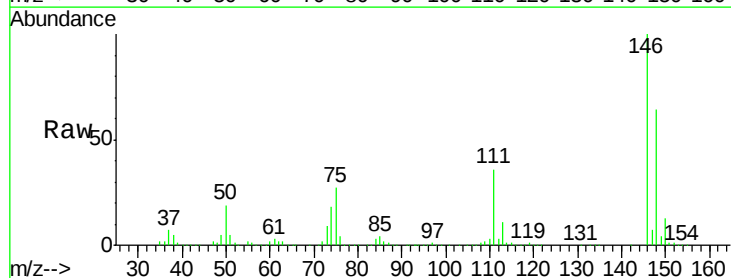
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

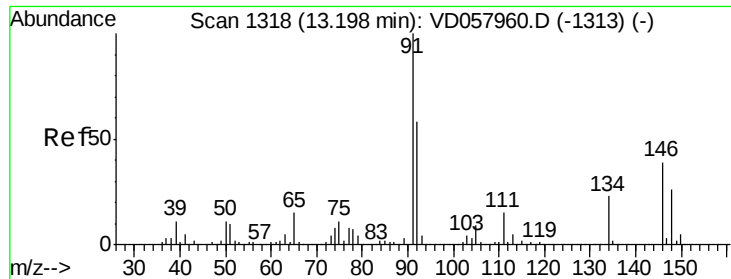
Tot Ion:146 Resp: 1534389
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.1 57.3
 148 63.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 99.07 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:146 Resp: 1542438
 Ion Ratio Lower Upper
 146 100
 111 36.1 17.3 52.0
 148 63.9 33.4 100.2

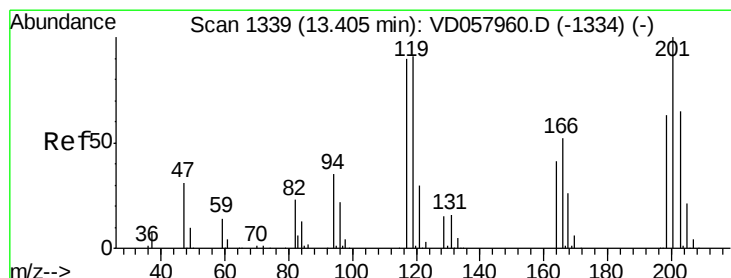
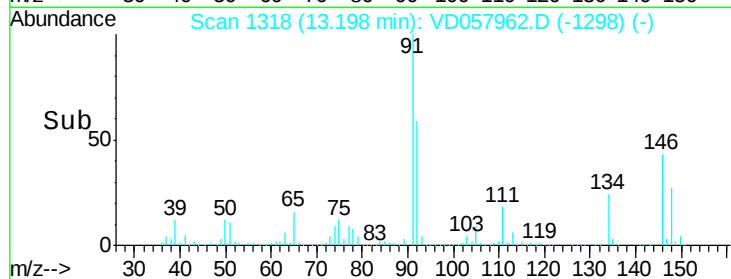
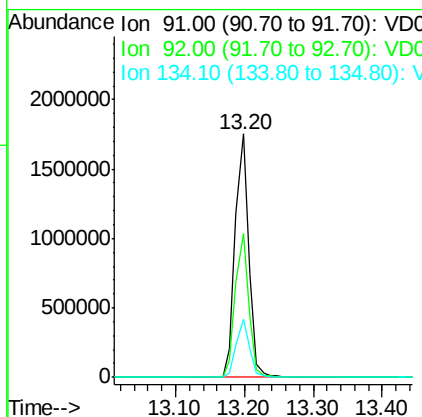
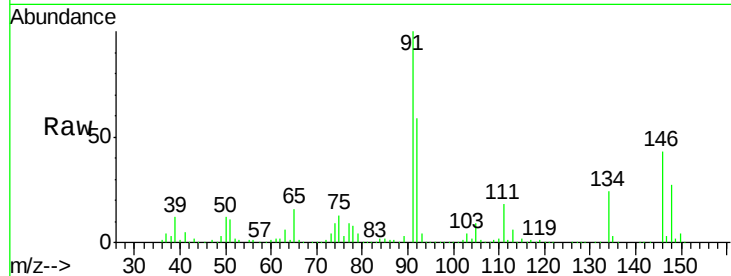




#89
n-Butylbenzene
Concen: 85.05 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

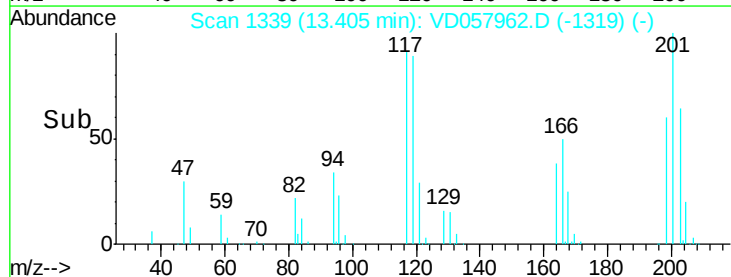
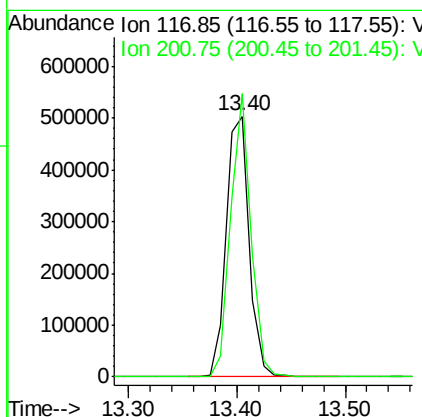
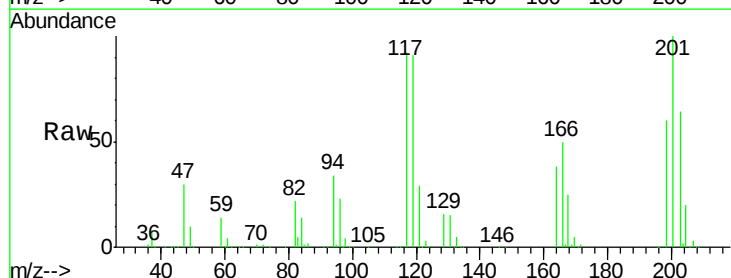
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

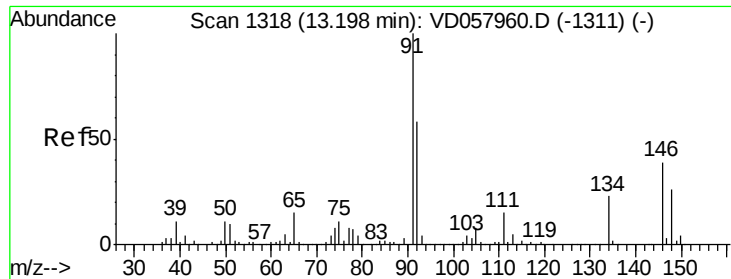
Tot Ion: 91 Resp: 2392606
Ion Ratio Lower Upper
91 100
92 58.9 29.2 87.6
134 24.1 11.3 33.9



#90
Hexachloroethane
Concen: 106.74 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion: 117 Resp: 744706
Ion Ratio Lower Upper
117 100
201 108.6 55.4 166.0

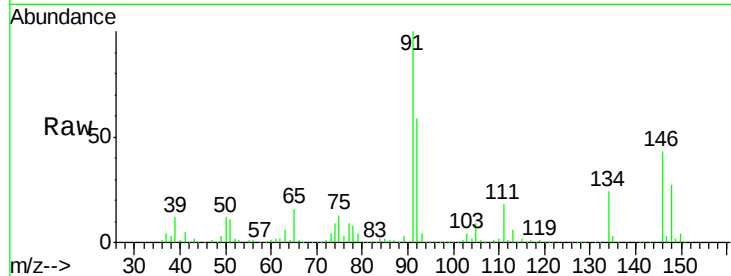




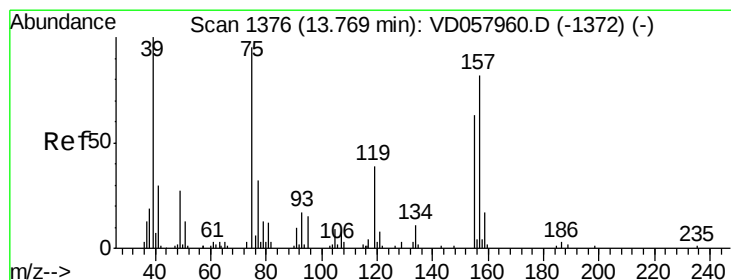
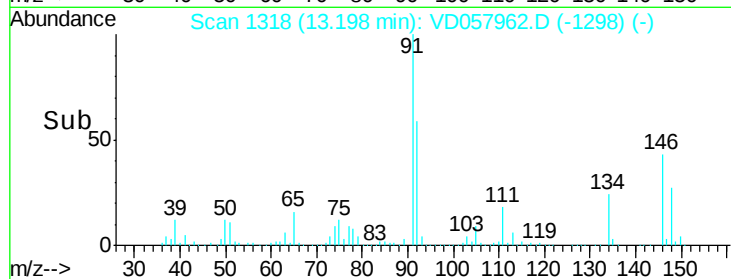
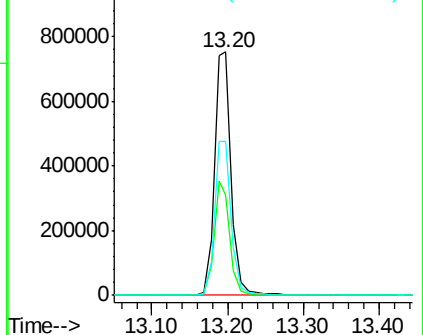
#91
 1,2-Dichlorobenzene
 Concen: 90.68 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1171023
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.4 58.2
 148 63.5 32.6 98.0

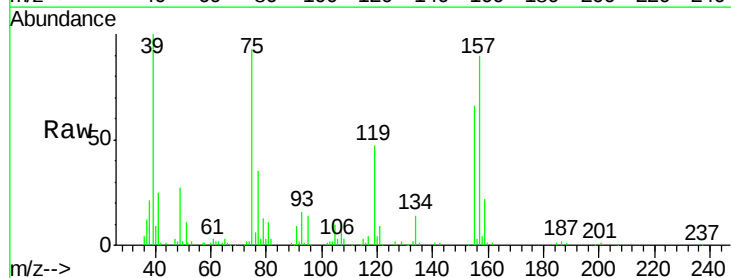


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

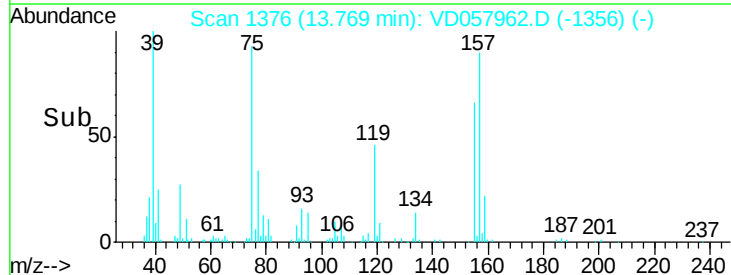
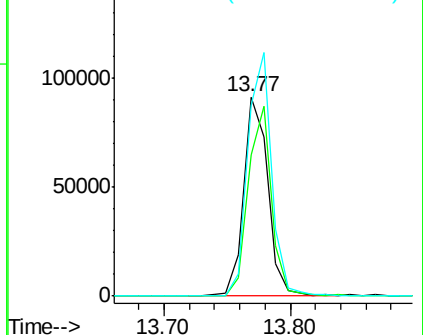


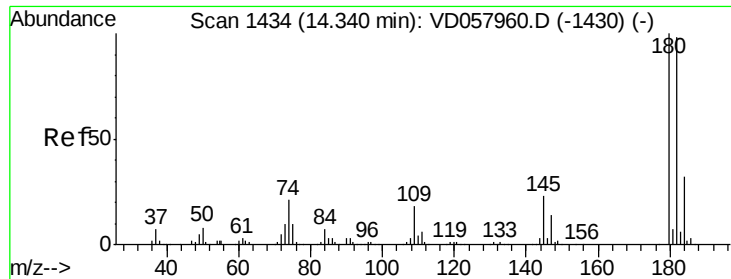
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 113.10 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion: 75 Resp: 121458
 Ion Ratio Lower Upper
 75 100
 155 71.0 33.4 100.1
 157 95.8 42.9 128.5



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

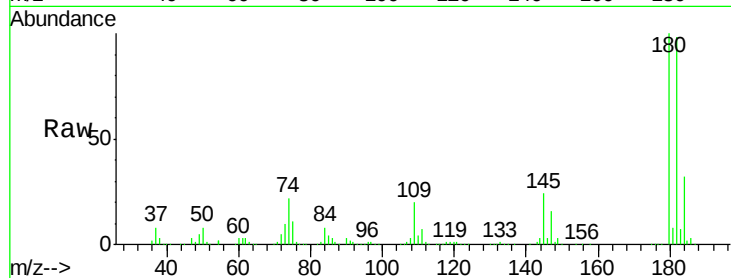




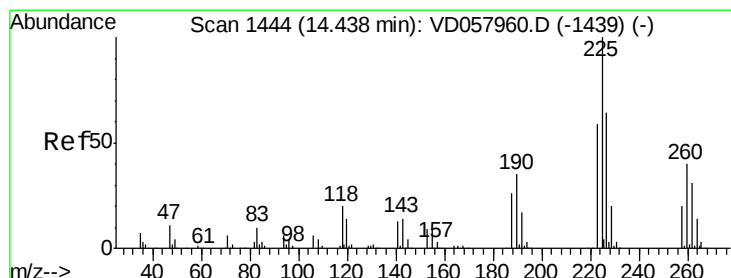
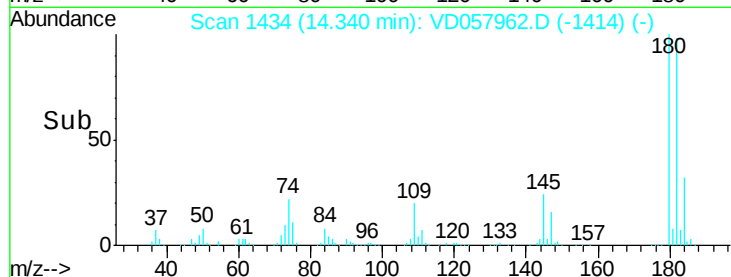
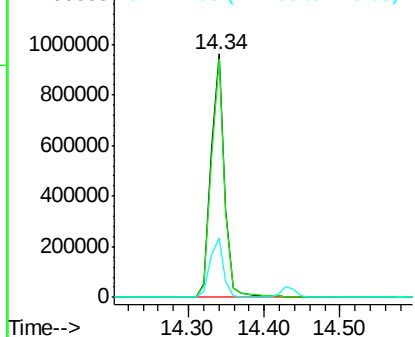
#93
 1,2,4-Trichlorobenzene
 Concen: 100.73 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1215236
 Ion Ratio Lower Upper
 180 100
 182 98.1 49.0 147.2
 145 24.4 11.8 35.3

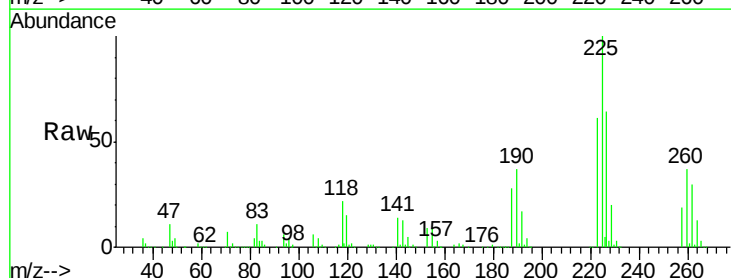


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

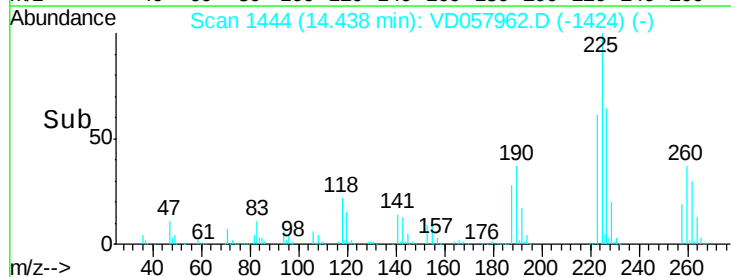
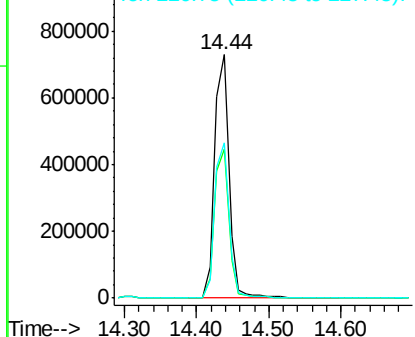


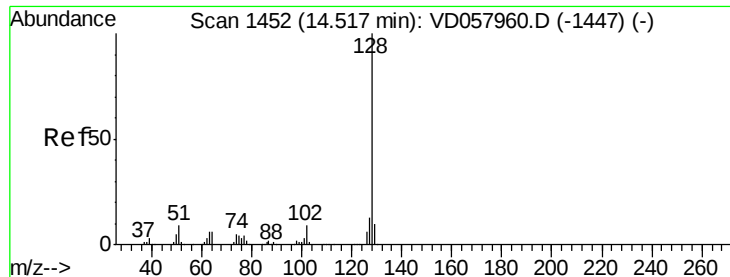
#94
 Hexachlorobutadiene
 Concen: 105.43 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD057962.D
 Acq: 6 Jun 2018 20:14

Tgt Ion:225 Resp: 1000490
 Ion Ratio Lower Upper
 225 100
 223 61.2 29.5 88.6
 227 64.0 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

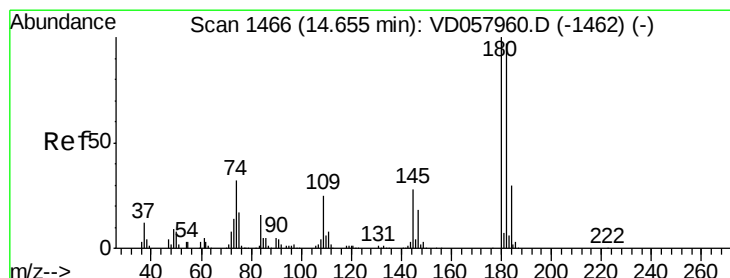
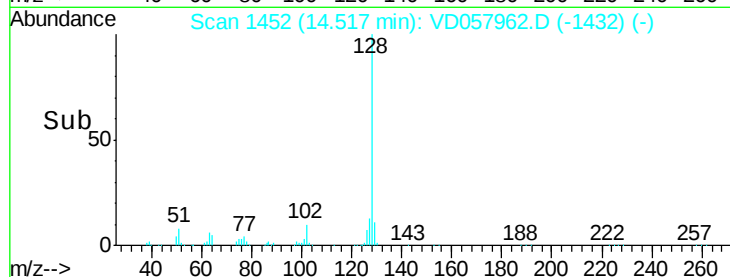
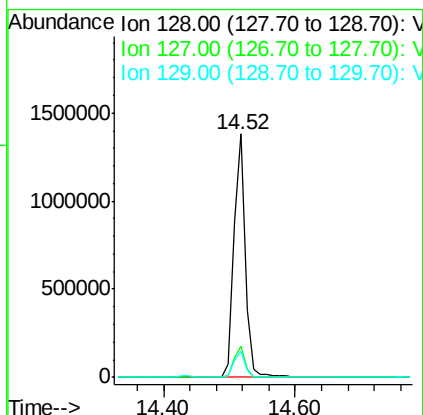
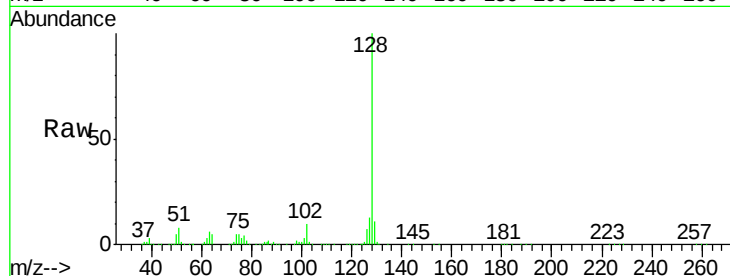




#95
Naphthalene
Concen: 108.38 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1685879
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 104.36 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD057962.D
Acq: 6 Jun 2018 20:14

Tgt Ion:180 Resp: 1073026
Ion Ratio Lower Upper
180 100
182 96.4 48.5 145.5
145 28.6 14.2 42.8

