

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060618\
 Data File : VD057963.D
 Acq On : 6 Jun 2018 20:43
 Operator : JC/SY
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 07 08:23:27 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	5.64	168	927265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1279728	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1025526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	475830	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	1321833	142.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.18%	
35) Dibromofluoromethane	5.55	113	1358680	137.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.44%	
50) Toluene-d8	8.71	98	3029345	128.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.38%	
62) 4-Bromofluorobenzene	11.93	95	1277080	124.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	248.72%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.35	85	1677163	134.76	ug/l	99
3) Chloromethane	1.49	50	968647	158.04	ug/l	98
4) Vinyl Chloride	1.57	62	926990	156.24	ug/l	99
5) Bromomethane	1.79	94	254831	109.59	ug/l	91
6) Chloroethane	1.88	64	215275	91.97	ug/l	95
7) Trichlorofluoromethane	2.08	101	1005482	123.98	ug/l	97
8) Diethyl Ether	2.35	74	242243	160.79	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.55	101	673188	139.16	ug/l	95
10) Methyl Iodide	2.70	142	1093375	175.17	ug/l	94
11) Tert butyl alcohol	3.29	59	176247	709.70	ug/l	99
12) 1,1-Dichloroethene	2.54	96	534392	143.69	ug/l	100
13) Acrolein	2.48	56	270063	759.34	ug/l	98
14) Allyl chloride	2.93	41	1305078	152.13	ug/l	94
15) Acrylonitrile	3.37	53	1013948	697.91	ug/l	99
16) Acetone	2.62	43	948398	710.09	ug/l	95
17) Carbon Disulfide	2.76	76	2165536	160.74	ug/l	98
18) Methyl Acetate	2.95	43	378181	146.37	ug/l	95
19) Methyl tert-butyl Ether	3.42	73	2426426	148.28	ug/l	98
20) Methylene Chloride	3.07	84	577846	126.59	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	1111561	134.19	ug/l	98
22) Diisopropyl ether	4.09	45	4521609	133.04	ug/l	98
23) Vinyl Acetate	4.03	43	11877443	676.38	ug/l	100
24) 1,1-Dichloroethane	3.98	63	2539540	135.96	ug/l	99
25) 2-Butanone	4.85	43	2054762	676.95	ug/l	99
26) 2,2-Dichloropropane	4.81	77	2131399	138.52	ug/l	95
27) cis-1,2-Dichloroethene	4.81	96	1293359	131.65	ug/l	96
28) Bromochloromethane	5.15	49	1195721	147.90	ug/l	91
29) Tetrahydrofuran	5.19	42	1118598	703.02	ug/l	98
30) Chloroform	5.33	83	2701380	143.70	ug/l	99
31) Cyclohexane	5.59	56	1893933	117.49	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	2331762	148.14	ug/l	97
36) 1,1-Dichloropropene	5.75	75	1670394	118.47	ug/l	96
37) Ethyl Acetate	4.93	43	1143246	148.60	ug/l	98
38) Carbon Tetrachloride	5.73	117	2000597	143.98	ug/l	98

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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)
39) Methylcyclohexane	7.29	83	1728777	123.69	ug/l	95
40) Benzene	6.02	78	3982775	120.92	ug/l	98
41) Methacrylonitrile	5.13	41	524295	149.05	ug/l	94
42) 1,2-Dichloroethane	6.13	62	1992742	149.64	ug/l	99
43) Isopropyl Acetate	7.62	43	1553573	154.17	ug/l #	99
44) Trichloroethene	6.98	130	1366229	142.01	ug/l	94
45) 1,2-Dichloropropane	7.36	63	1189840	129.98	ug/l	97
46) Dibromomethane	7.46	93	861616	146.52	ug/l	99
47) Bromodichloromethane	7.75	83	2084735	151.41	ug/l	95
48) Methyl methacrylate	7.51	41	900404	145.17	ug/l	99
49) 1,4-Dioxane	7.49	88	151929	2956.92	ug/l	94
51) 4-Methyl-2-Pentanone	8.61	43	4091131	632.97	ug/l	100
52) Toluene	8.80	92	2328927	123.21	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	1772738	149.44	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	1909669	136.64	ug/l	92
55) 1,1,2-Trichloroethane	9.45	97	853487	139.51	ug/l	98
56) Ethyl methacrylate	9.31	69	1096925	146.17	ug/l	94
57) 1,3-Dichloropropane	9.67	76	1486385	138.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.20	63	2363948	623.50	ug/l	95
59) 2-Hexanone	9.79	43	3151427	665.33	ug/l	99
60) Dibromochloromethane	9.96	129	1353473	156.89	ug/l	99
61) 1,2-Dibromoethane	10.09	107	1041892	148.09	ug/l	95
64) Tetrachloroethene	9.51	164	1249806	136.32	ug/l	99
65) Chlorobenzene	10.72	112	2705322	130.31	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	1048325	131.43	ug/l	98
67) Ethyl Benzene	10.86	91	4205765	112.13	ug/l	94
68) m/p-Xylenes	11.02	106	2933922	239.95	ug/l	85
69) o-Xylene	11.41	106	1426097	117.50	ug/l	93
70) Styrene	11.43	104	2438124	121.35	ug/l	97
71) Bromoform	11.60	173	986159	164.35	ug/l	97
73) Isopropylbenzene	11.78	105	4358686	138.30	ug/l	99
74) N-amyl acetate	11.65	43	1836225	150.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	956429	139.19	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	1018857	142.54	ug/l	97
77) Bromobenzene	12.04	156	1323423	141.86	ug/l	87
78) n-propylbenzene	12.16	91	4986406	121.59	ug/l	95
79) 2-Chlorotoluene	12.22	91	3098030	132.42	ug/l	92
80) 1,3,5-Trimethylbenzene	12.32	105	2997241	99.22	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	300757	169.88	ug/l	93
82) 4-Chlorotoluene	12.33	91	3004276	117.56	ug/l	88
83) tert-Butylbenzene	12.57	119	3875692	139.65	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	3554853	134.51	ug/l	100
85) sec-Butylbenzene	12.76	105	4293136	128.18	ug/l	98
86) p-Isopropyltoluene	12.89	119	3741174	138.59	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	2145618	135.96	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	2151549	139.93	ug/l	95
89) n-Butylbenzene	13.19	91	3166538	113.98	ug/l	99
90) Hexachloroethane	13.40	117	1095715	159.03	ug/l	80
91) 1,2-Dichlorobenzene	13.19	146	1595721	125.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	183353	172.89	ug/l	60

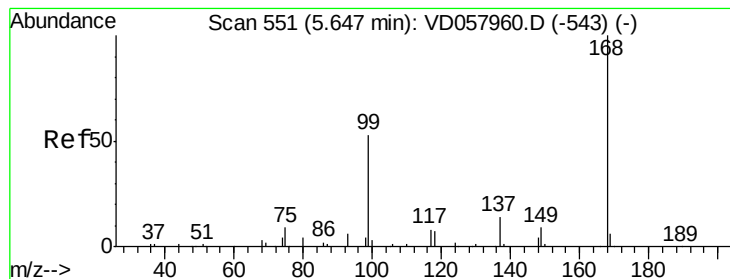
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	1690654	141.90	ug/l	97
94) Hexachlorobutadiene	14.43	225	1329949	141.91	ug/l	98
95) Naphthalene	14.51	128	2359201	153.57	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	1445381	142.35	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

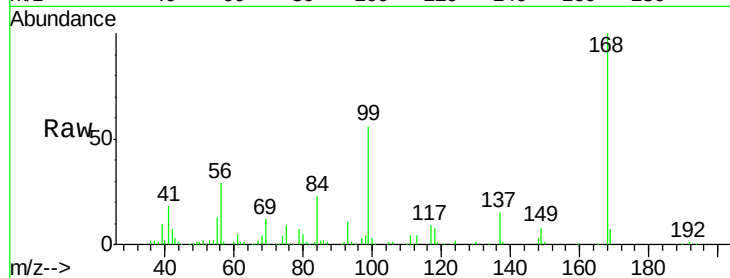
VSTDIC150

Tgt Ion:168 Resp: 927265

Ion Ratio Lower Upper

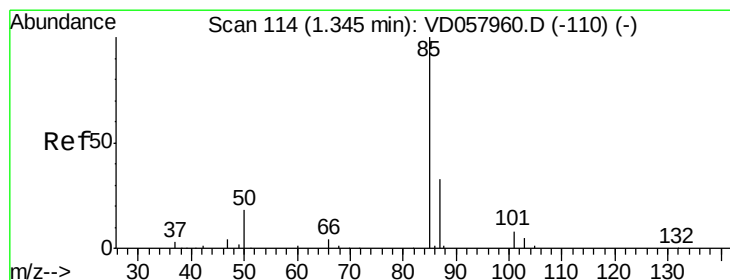
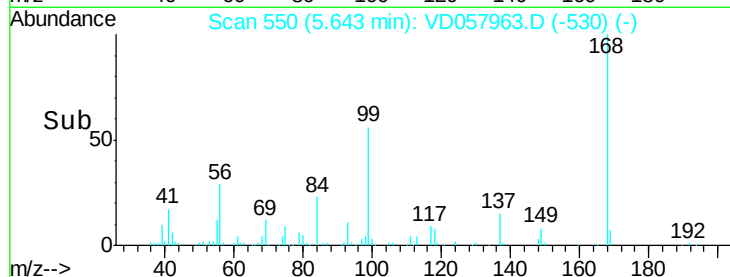
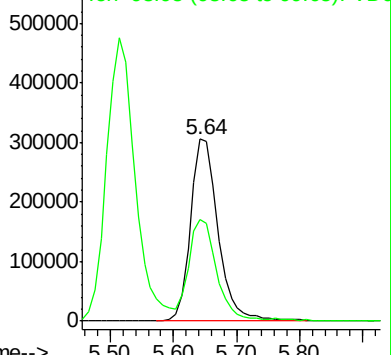
168 100

99 55.7 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: 134.76 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD057963.D

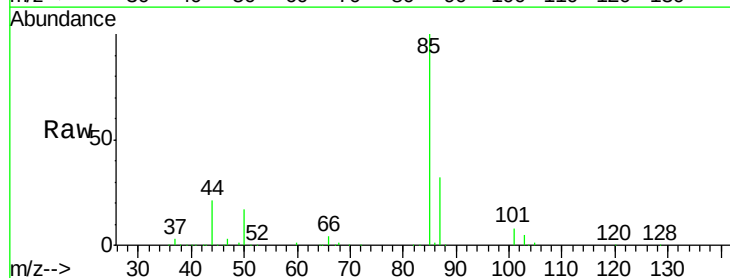
Acq: 6 Jun 2018 20:43

Tgt Ion: 85 Resp: 1677163

Ion Ratio Lower Upper

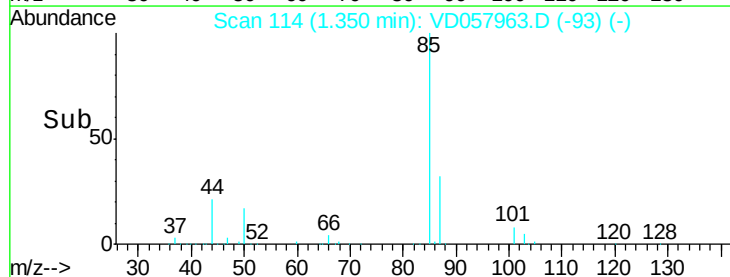
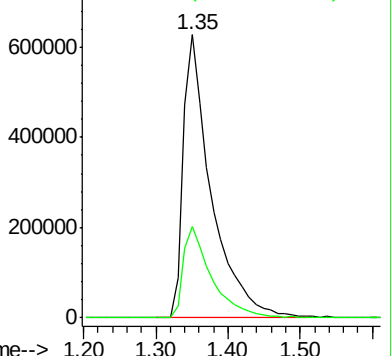
85 100

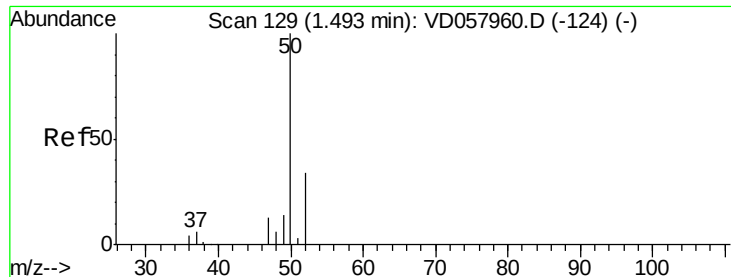
87 32.1 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 158.04 ug/l

RT: 1.49 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

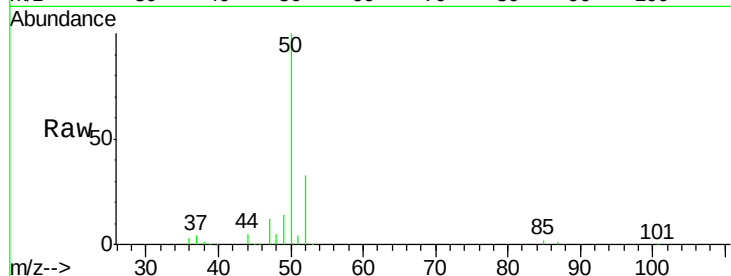
VSTDIC150

Tgt Ion: 50 Resp: 968647

Ion Ratio Lower Upper

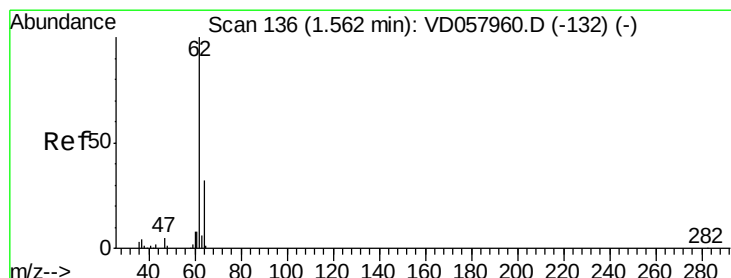
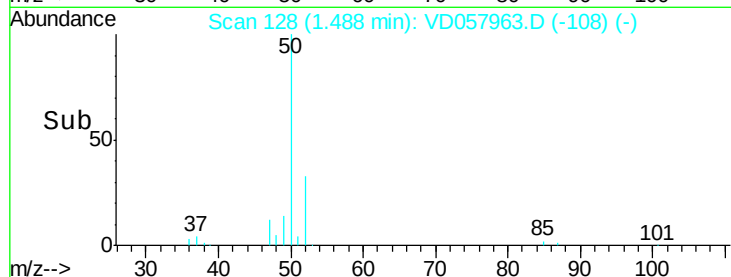
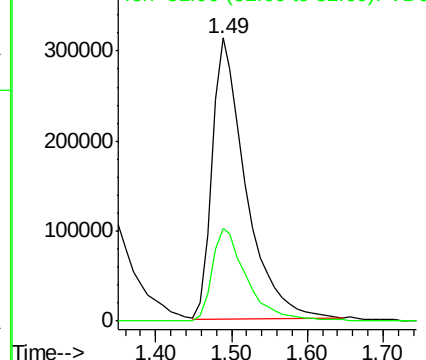
50 100

52 32.7 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: 156.24 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD057963.D

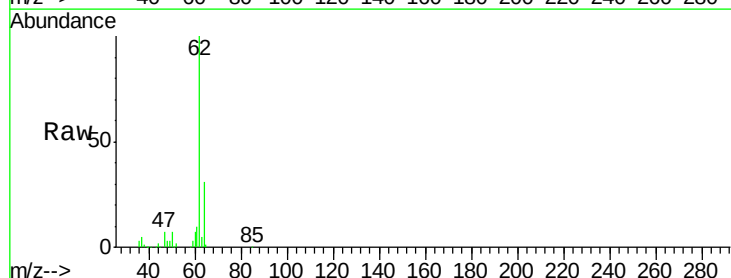
Acq: 6 Jun 2018 20:43

Tgt Ion: 62 Resp: 926990

Ion Ratio Lower Upper

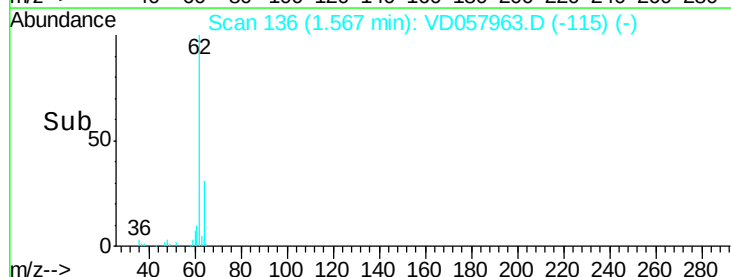
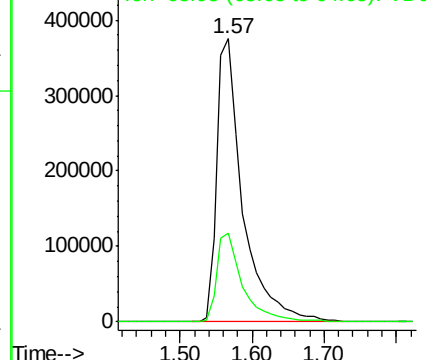
62 100

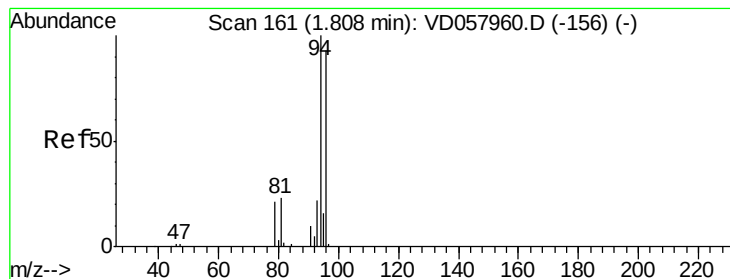
64 31.2 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 109.59 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

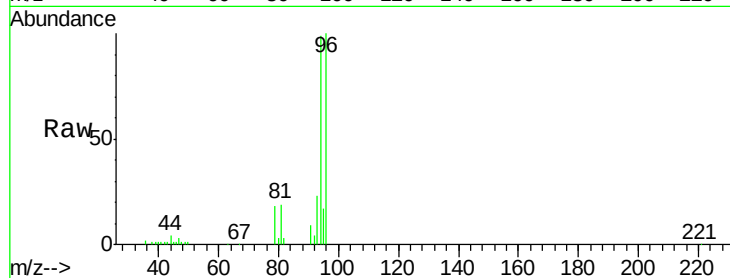
VSTDIC150

Tgt Ion: 94 Resp: 254831

Ion Ratio Lower Upper

94 100

96 101.2 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.79

100000

80000

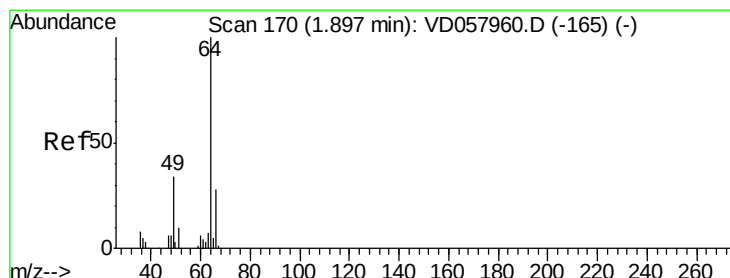
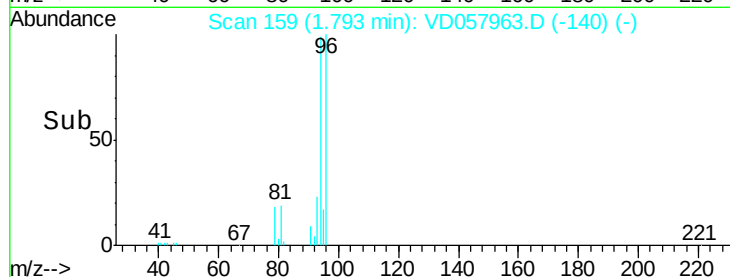
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 91.97 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD057963.D

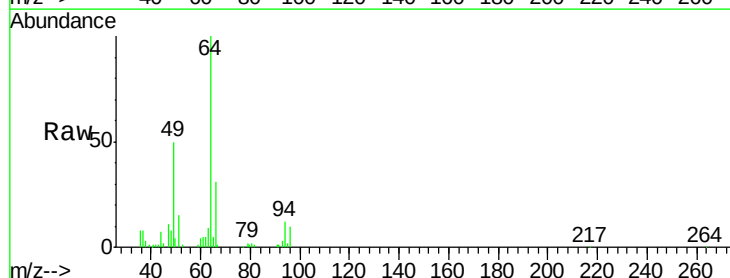
Acq: 6 Jun 2018 20:43

Tgt Ion: 64 Resp: 215275

Ion Ratio Lower Upper

64 100

66 31.3 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.88

80000

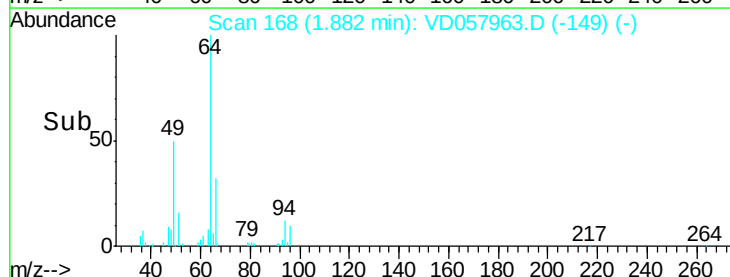
60000

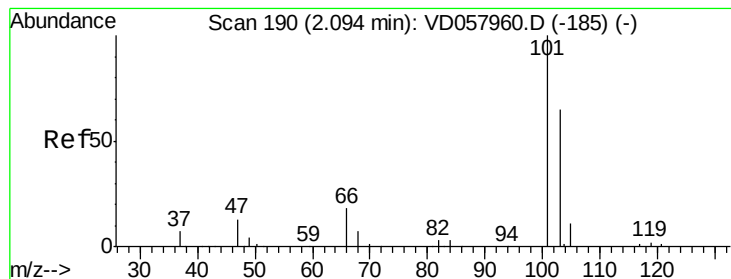
40000

20000

0

Time-->



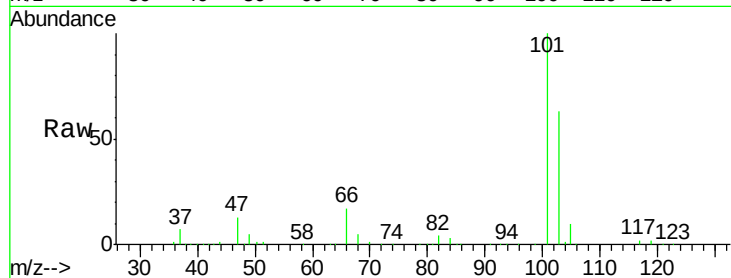


#7

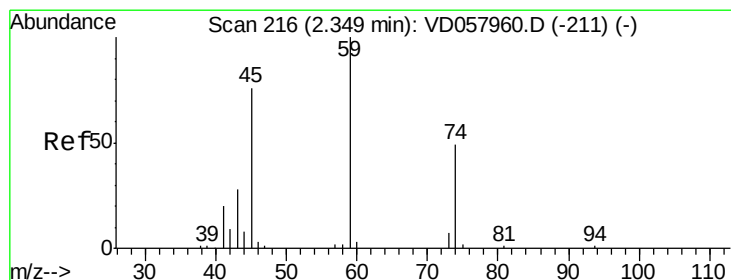
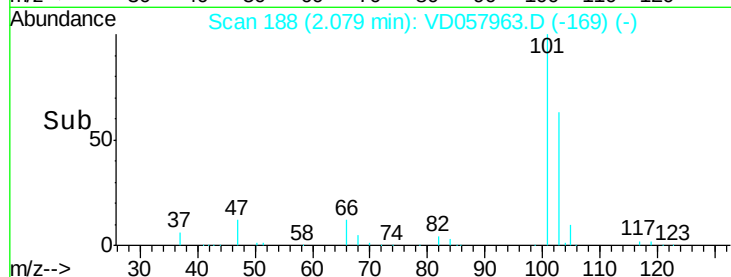
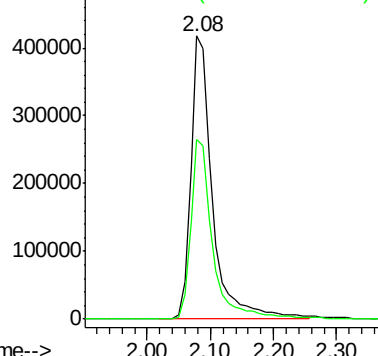
Trichlorofluoromethane
 Concen: 123.98 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 101 Resp: 1005482
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.4 78.6



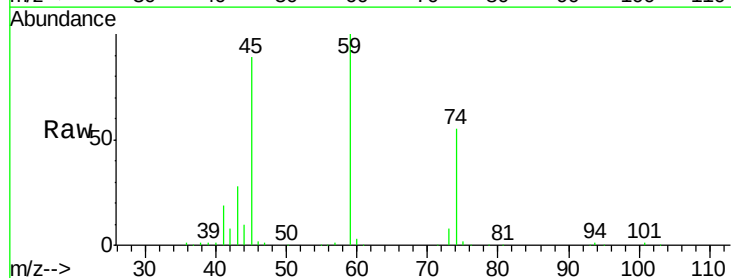
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



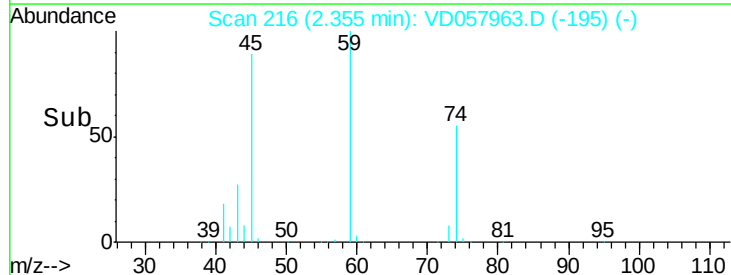
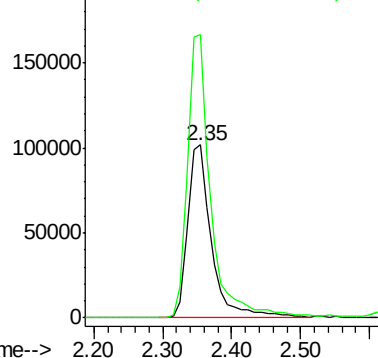
#8

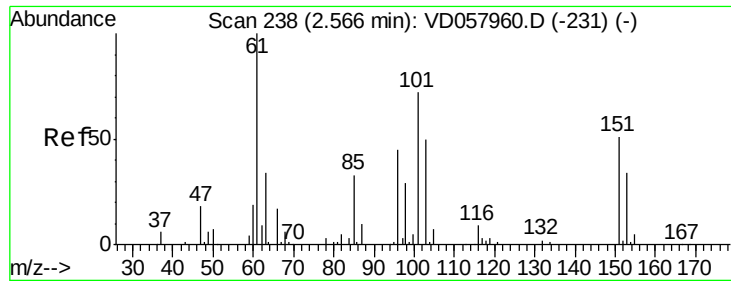
Diethyl Ether
 Concen: 160.79 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Tgt Ion: 74 Resp: 242243
 Ion Ratio Lower Upper
 74 100
 45 163.5 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: 139.16 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

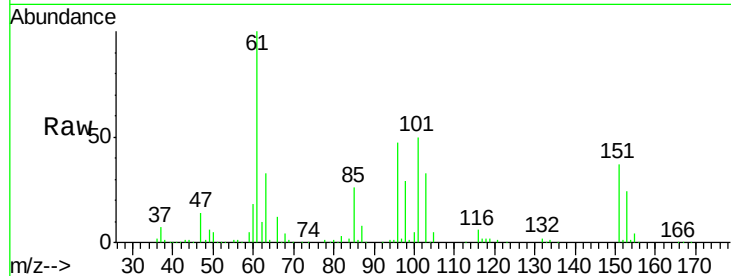
Tgt Ion:101 Resp: 673188

Ion Ratio Lower Upper

101 100

85 51.7 37.3 55.9

151 74.1 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

2.55

200000

150000

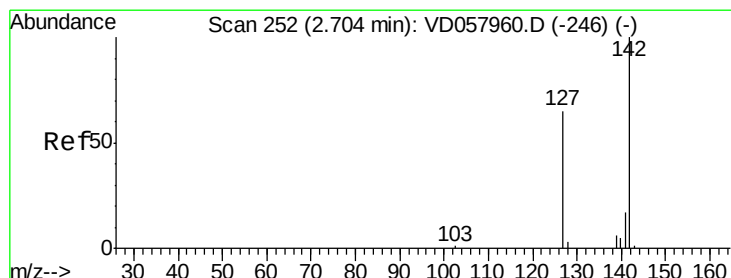
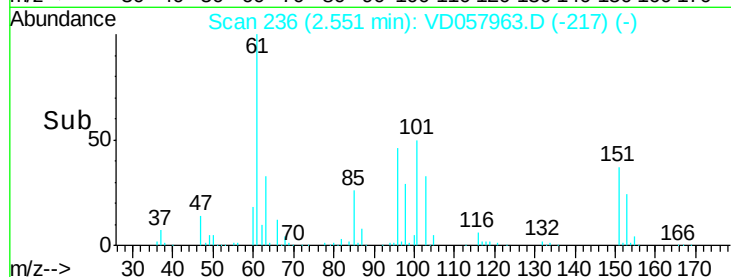
100000

50000

0

2.40 2.50 2.60 2.70 2.80

Time-->



#10

Methyl Iodide

Concen: 175.17 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

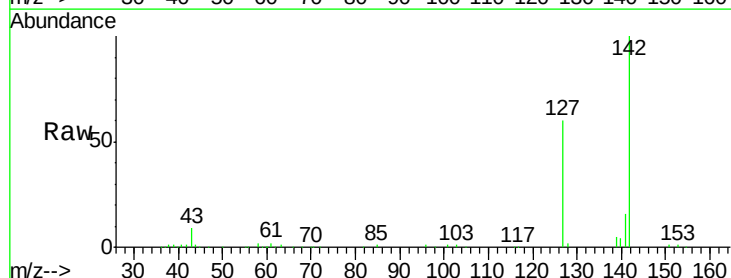
Tgt Ion:142 Resp: 1093375

Ion Ratio Lower Upper

142 100

127 59.7 52.0 78.0

141 15.7 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

2.70

400000

300000

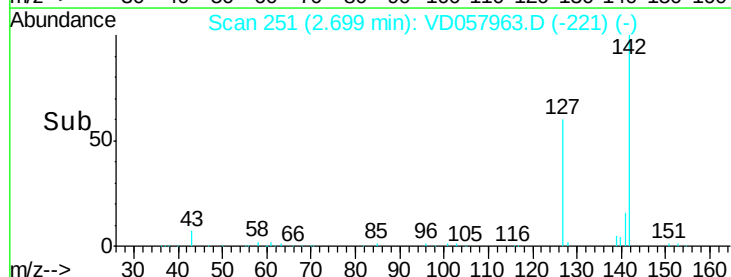
200000

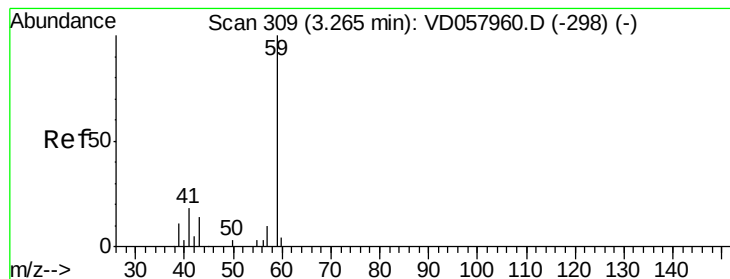
100000

0

2.60 2.80 3.00

Time-->



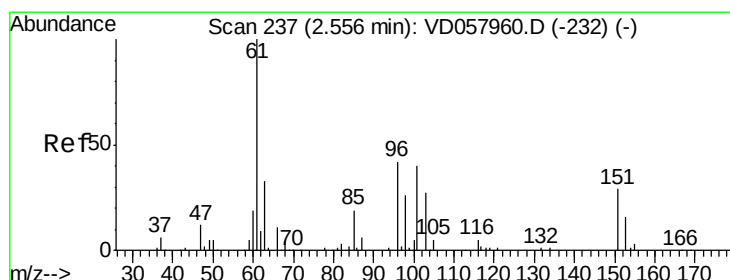
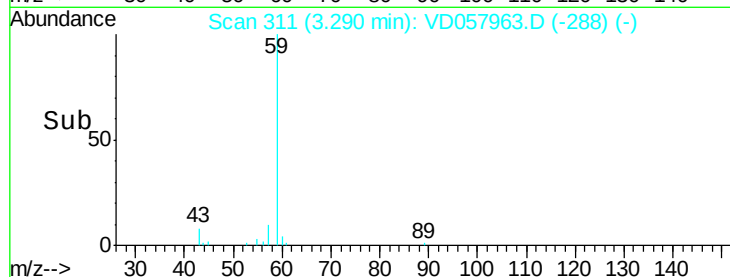
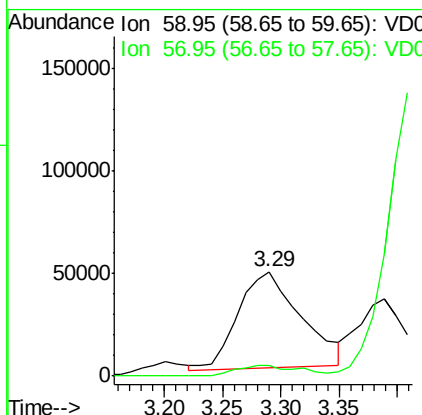
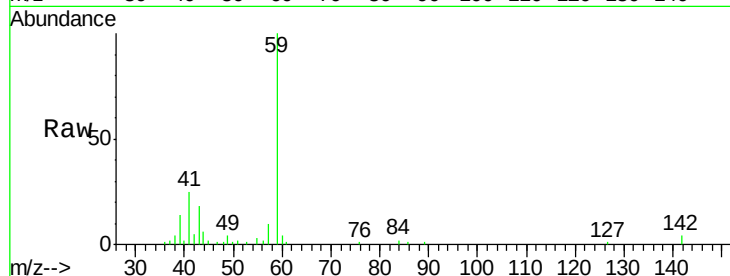


#11

Tert butyl alcohol
Concen: 709.70 ug/l
RT: 3.29 min Scan# 311
Delta R.T. 0.02 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

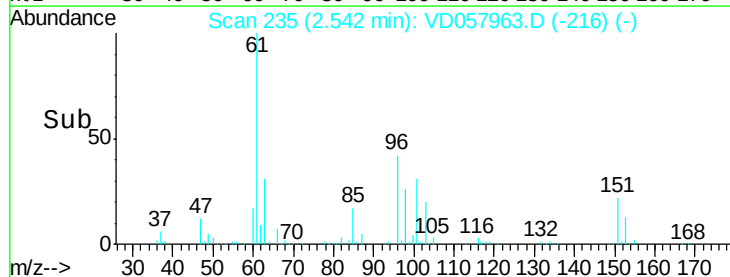
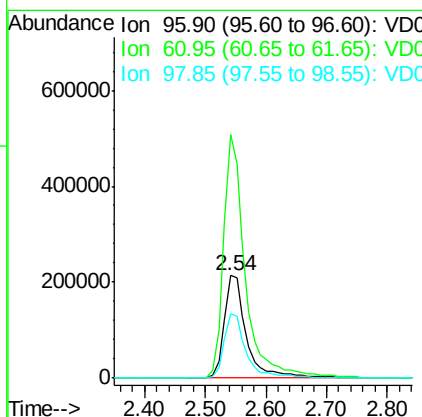
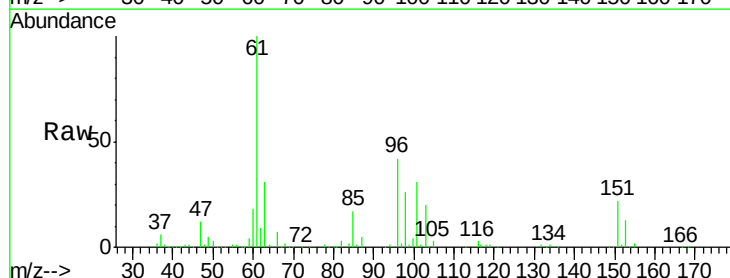
Tgt Ion: 59 Resp: 176247
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.6

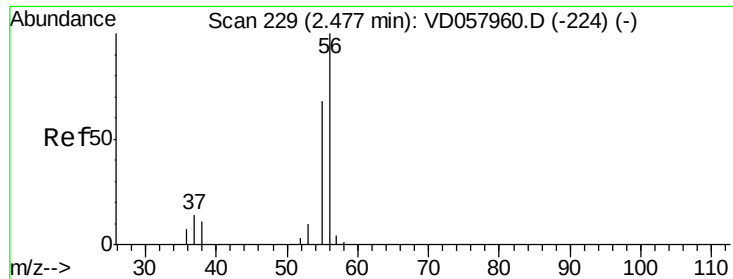


#12

1,1-Dichloroethene
Concen: 143.69 ug/l
RT: 2.54 min Scan# 235
Delta R.T. -0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 96 Resp: 534392
Ion Ratio Lower Upper
96 100
61 238.2 190.2 285.4
98 62.4 49.6 74.4





#13

Acrolein

Concen: 759.34 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

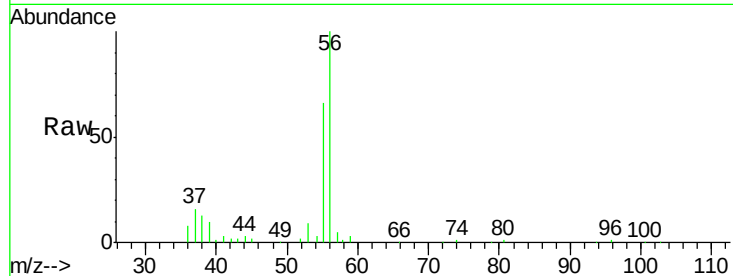
VSTDIC150

Tgt Ion: 56 Resp: 270063

Ion Ratio Lower Upper

56 100

55 65.7 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

120000

100000

80000

60000

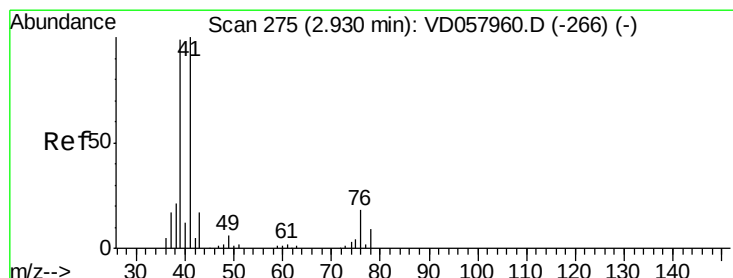
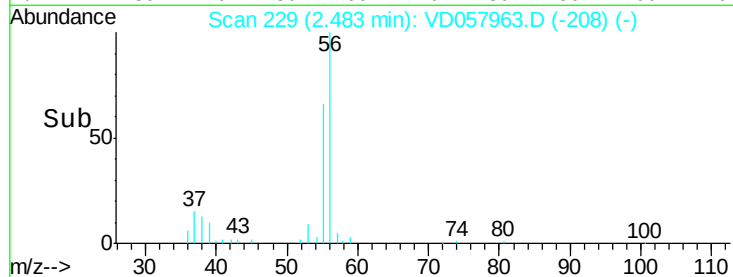
40000

20000

0

2.48

Time-->



#14

Allyl chloride

Concen: 152.13 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

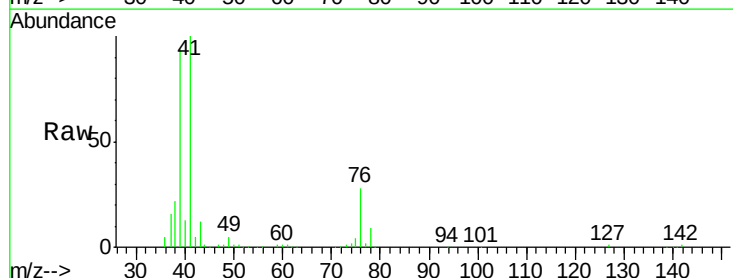
Tgt Ion: 41 Resp: 1305078

Ion Ratio Lower Upper

41 100

39 93.6 79.5 119.3

76 28.2 20.7 31.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

1000000

800000

600000

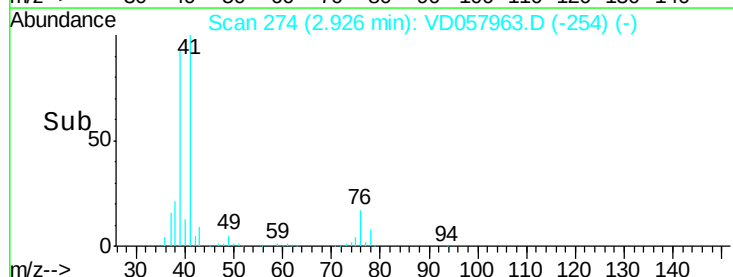
400000

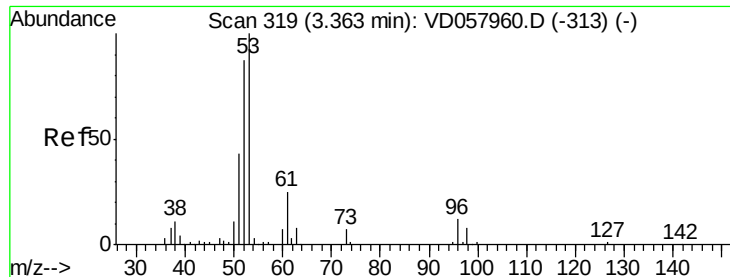
200000

0

2.93

Time-->





#15

Acrylonitrile

Concen: 697.91 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

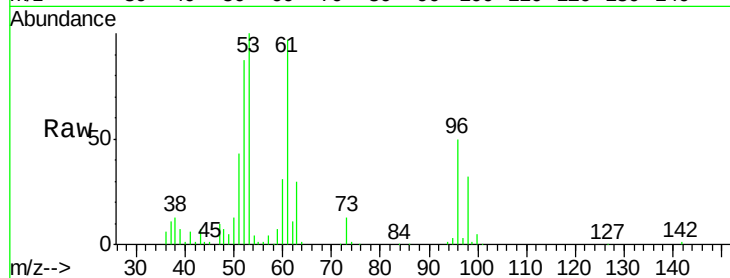
Tgt Ion: 53 Resp: 1013948

Ion Ratio Lower Upper

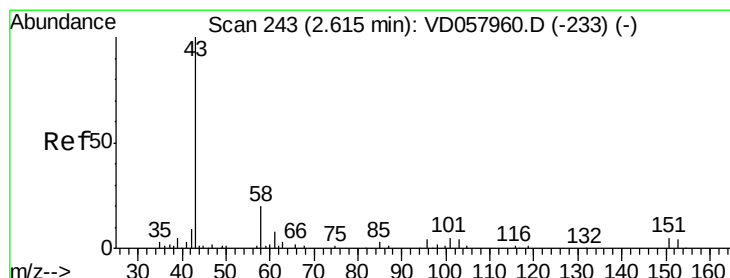
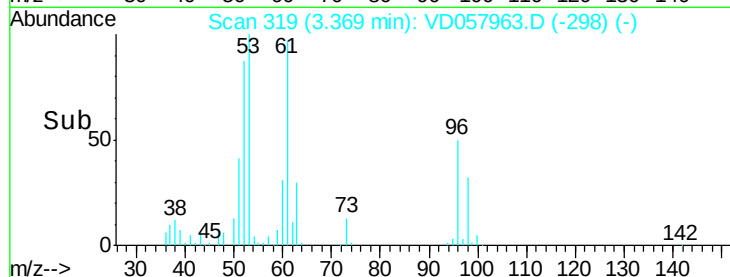
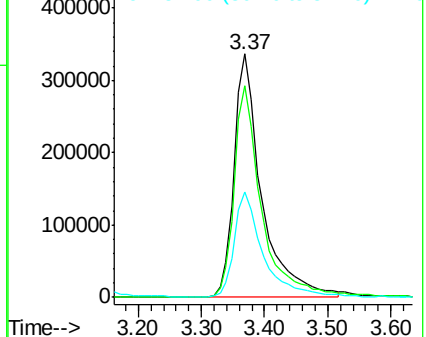
53 100

52 86.7 69.9 104.9

51 43.5 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: 710.09 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD057963.D

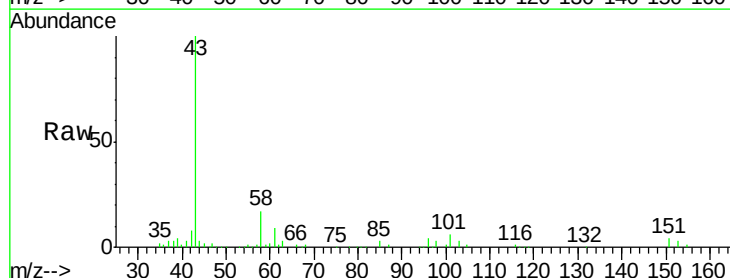
Acq: 6 Jun 2018 20:43

Tgt Ion: 43 Resp: 948398

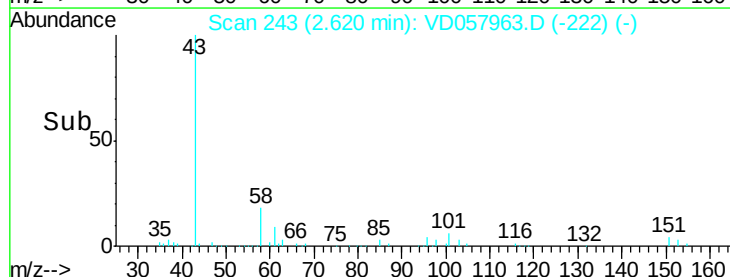
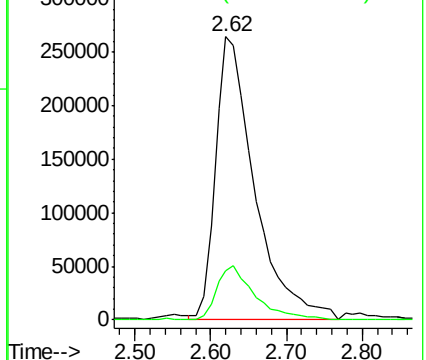
Ion Ratio Lower Upper

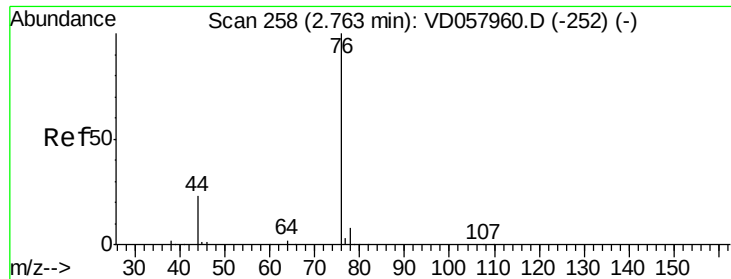
43 100

58 17.5 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: 160.74 ug/l

RT: 2.76 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

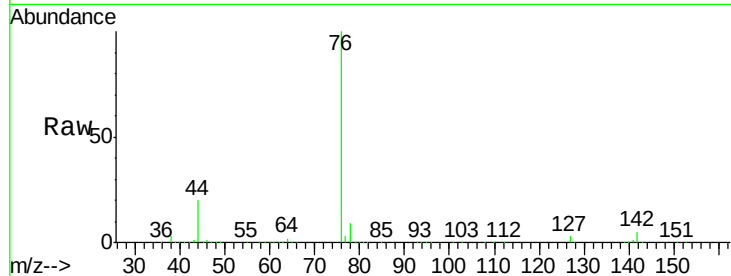
VSTDIC150

Tgt Ion: 76 Resp: 2165536

Ion Ratio Lower Upper

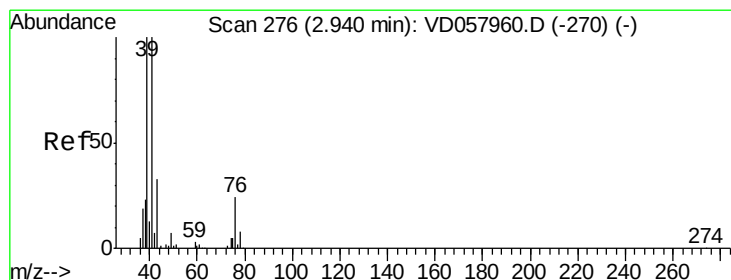
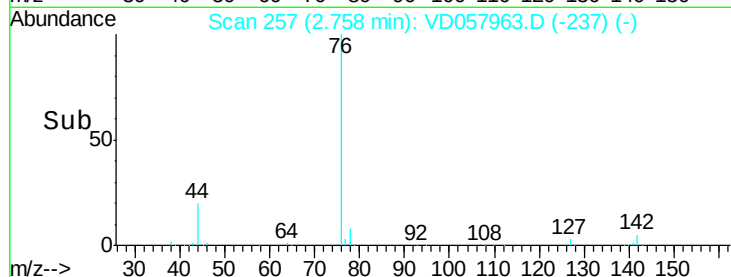
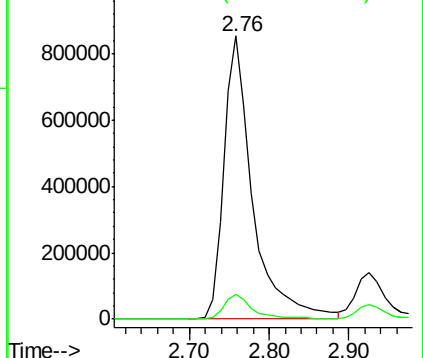
76 100

78 9.0 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: 146.37 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.01 min

Lab File: VD057963.D

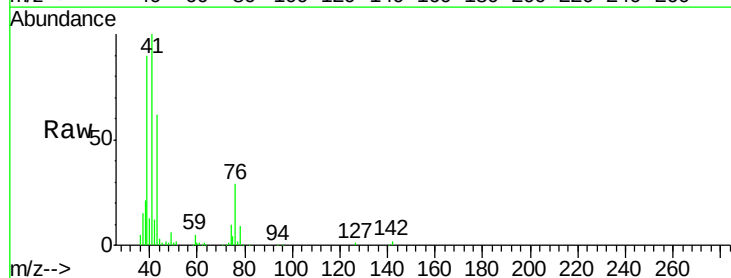
Acq: 6 Jun 2018 20:43

Tgt Ion: 43 Resp: 378181

Ion Ratio Lower Upper

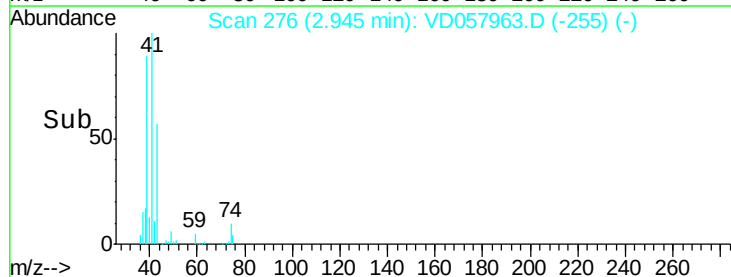
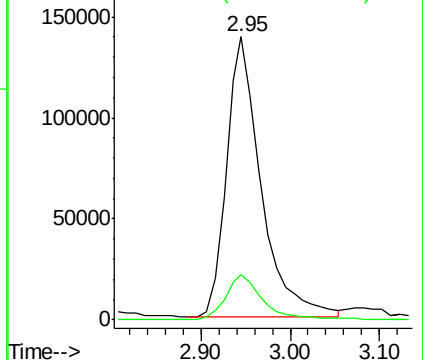
43 100

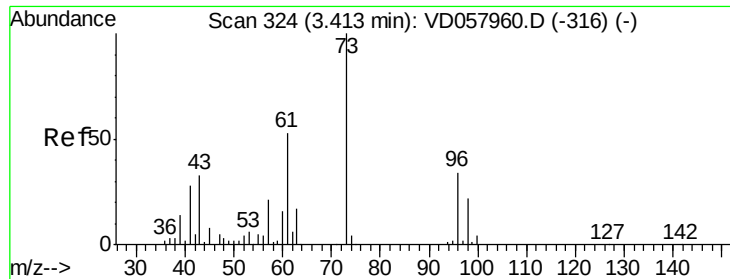
74 16.1 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

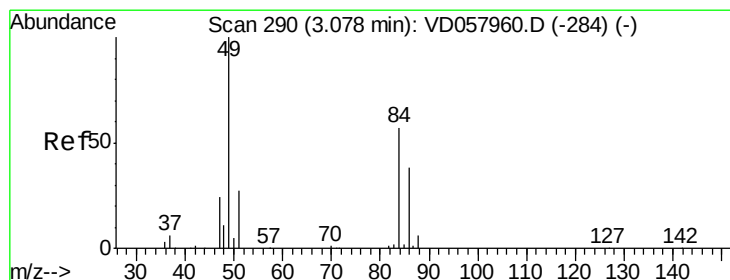
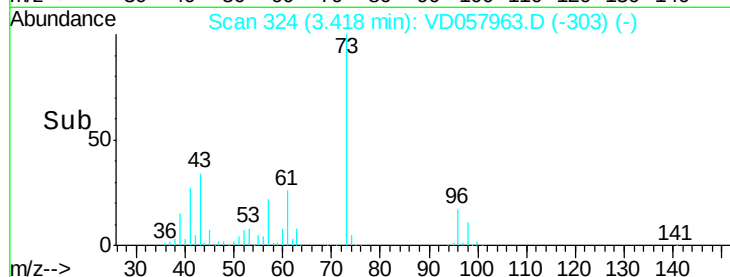
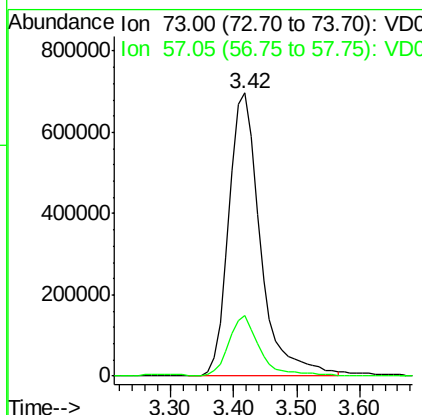
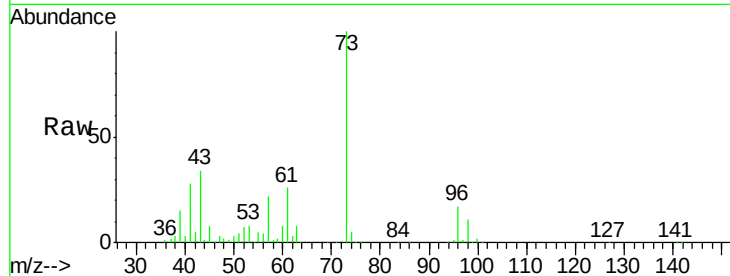




#19
Methyl tert-butyl Ether
Concen: 148.28 ug/l
RT: 3.42 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

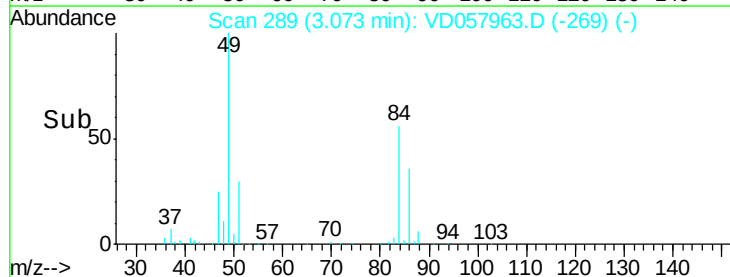
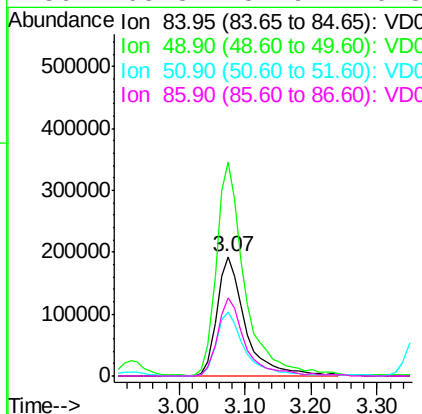
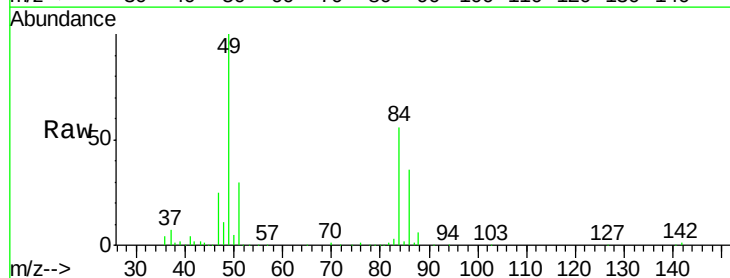
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

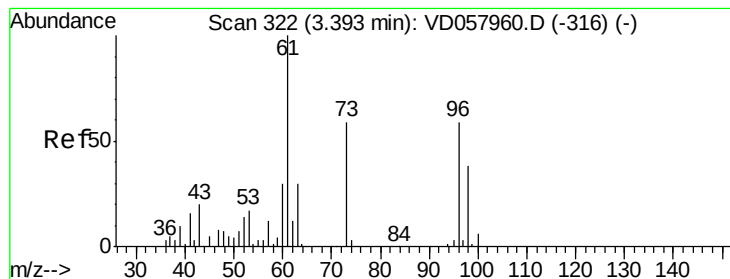
Tgt Ion: 73 Resp: 2426426
Ion Ratio Lower Upper
73 100
57 21.6 16.7 25.1



#20
Methylene Chloride
Concen: 126.59 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 84 Resp: 577846
Ion Ratio Lower Upper
84 100
49 179.1 141.4 212.0
51 53.3 38.3 57.5
86 65.3 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 134.19 ug/l

RT: 3.39 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

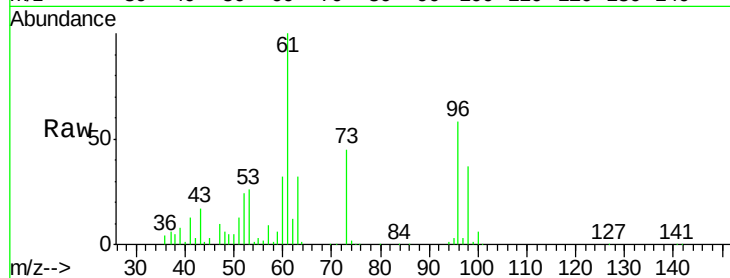
Tgt Ion: 96 Resp: 1111561

Ion Ratio Lower Upper

96 100

61 171.0 135.2 202.8

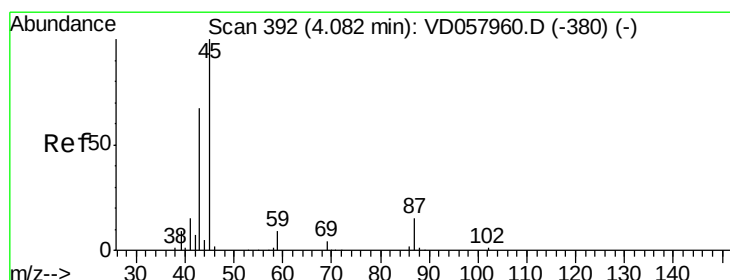
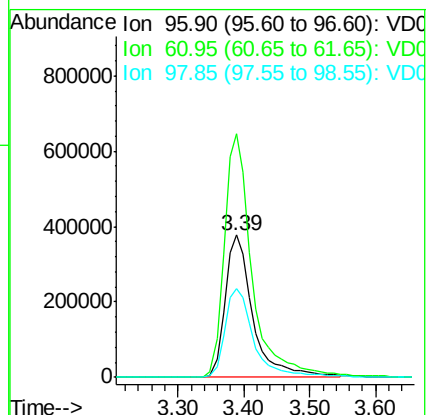
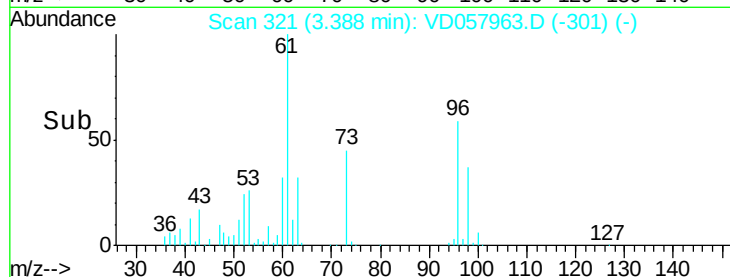
98 62.4 51.7 77.5



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: 133.04 ug/l

RT: 4.09 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Tgt Ion: 45 Resp: 4521609

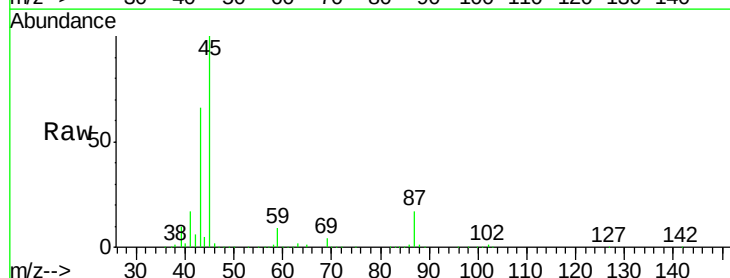
Ion Ratio Lower Upper

45 100

43 66.1 53.8 80.8

87 16.9 12.5 18.7

59 9.4 7.3 10.9

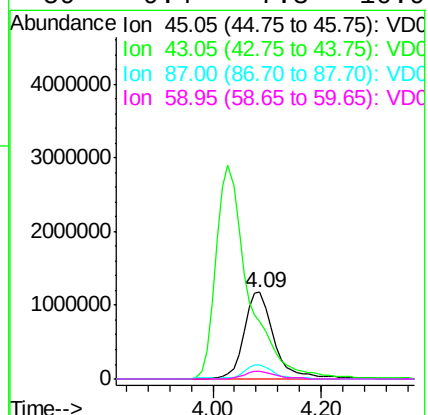
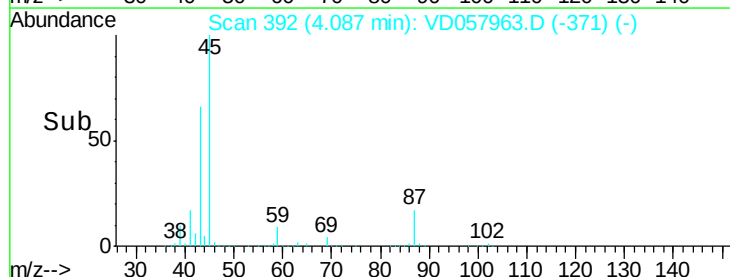


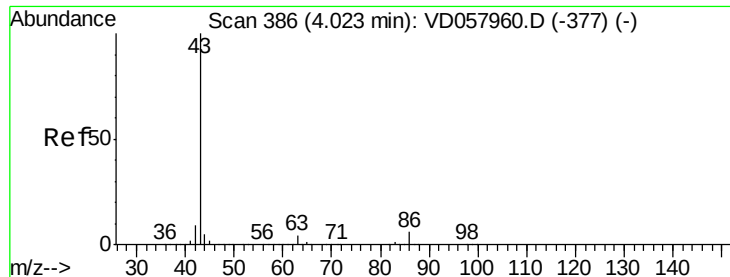
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 676.38 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

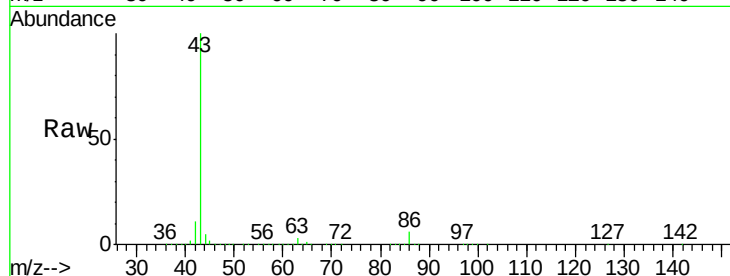
VSTDIC150

Tgt Ion: 43 Resp:11877443

Ion Ratio Lower Upper

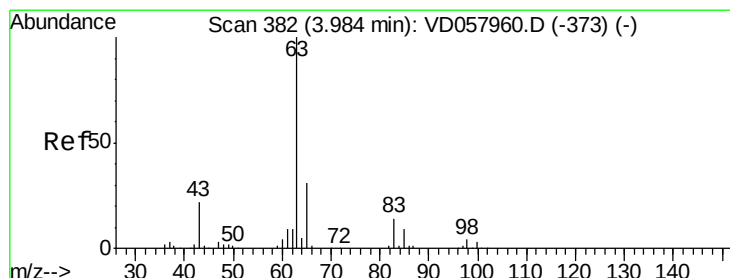
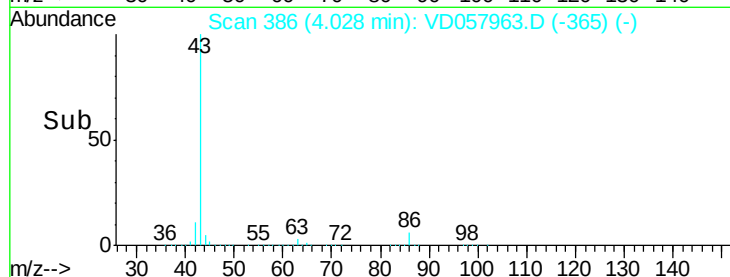
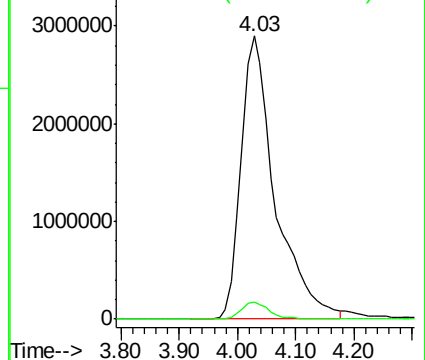
43 100

86 5.9 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: 135.96 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

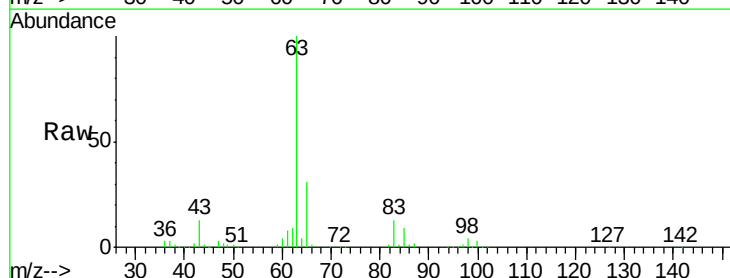
Tgt Ion: 63 Resp: 2539540

Ion Ratio Lower Upper

63 100

98 4.3 2.0 5.8

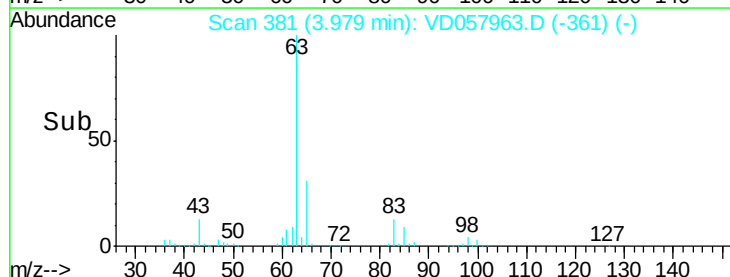
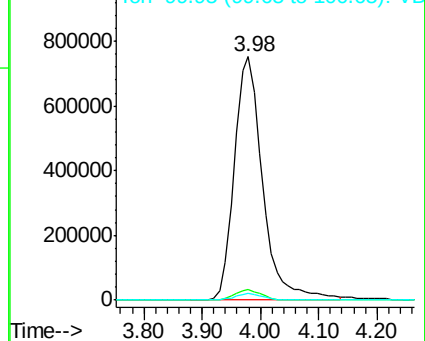
100 2.7 1.4 4.2

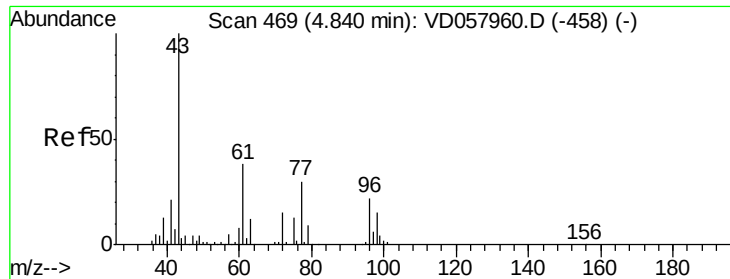


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 676.95 ug/l

RT: 4.85 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

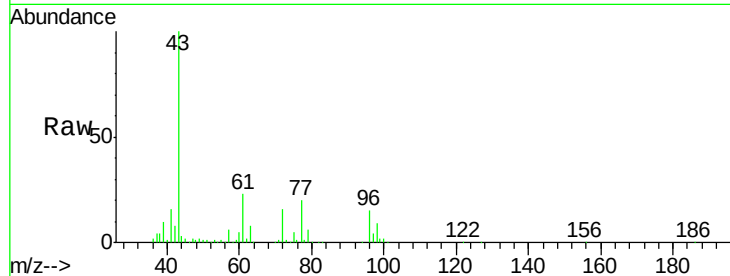
VSTDIC150

Tgt Ion: 43 Resp: 2054762

Ion Ratio Lower Upper

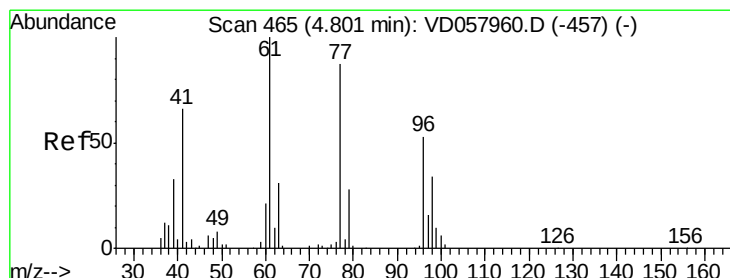
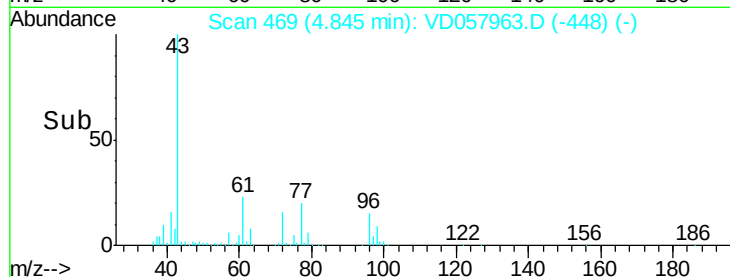
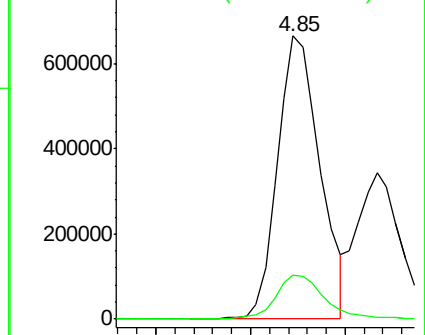
43 100

72 15.5 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 138.52 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD057963.D

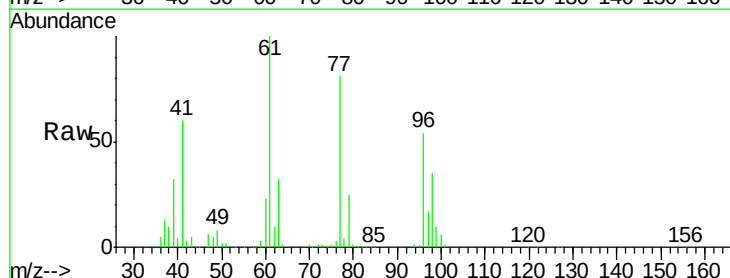
Acq: 6 Jun 2018 20:43

Tgt Ion: 77 Resp: 2131399

Ion Ratio Lower Upper

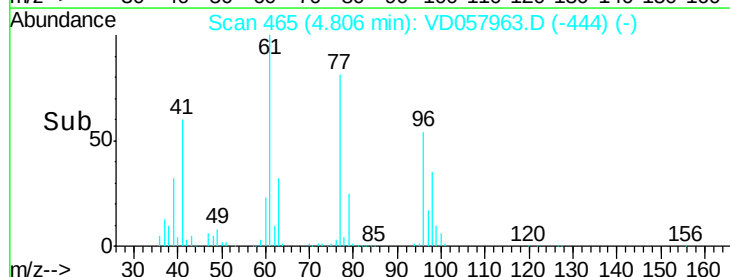
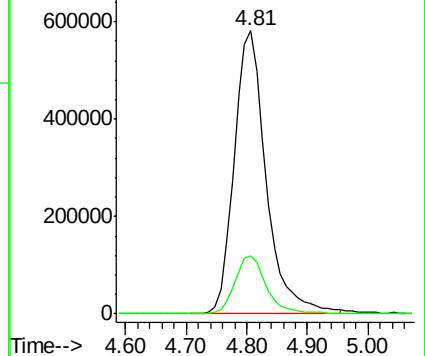
77 100

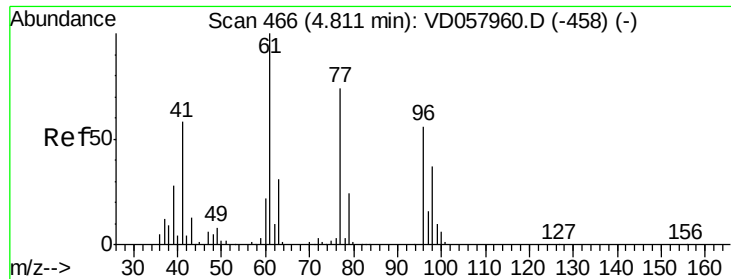
97 20.6 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 131.65 ug/l

RT: 4.81 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

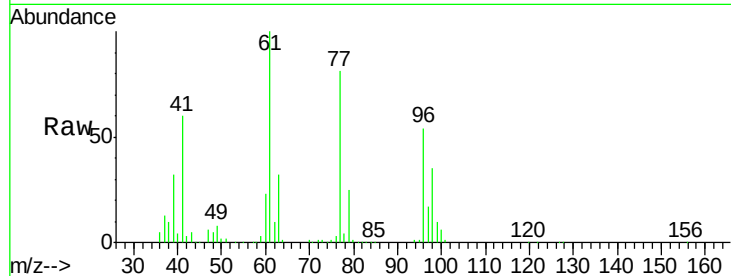
Tgt Ion: 96 Resp: 1293359

Ion Ratio Lower Upper

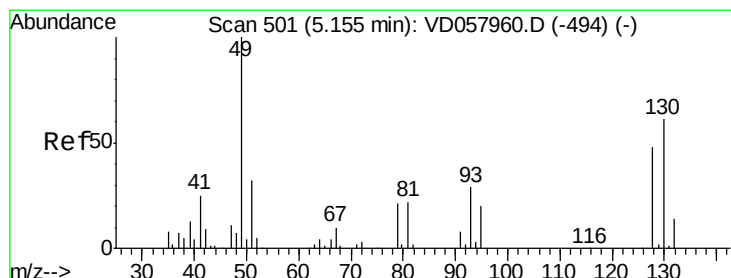
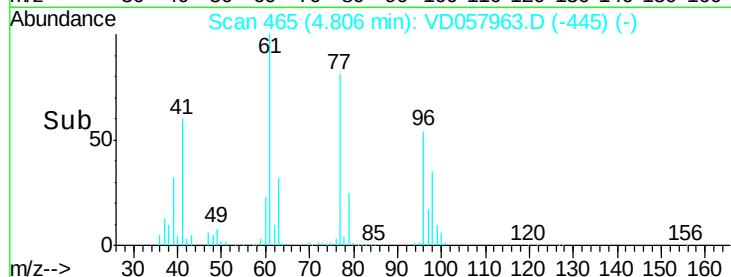
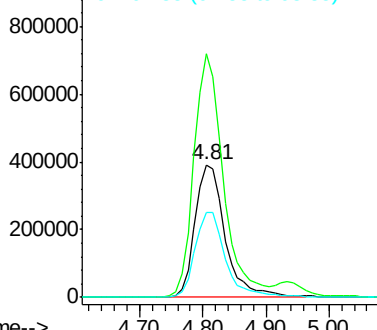
96 100

61 184.1 0.0 355.0

98 64.3 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: 147.90 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

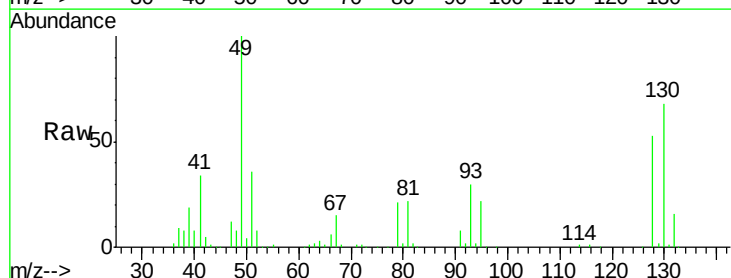
Tgt Ion: 49 Resp: 1195721

Ion Ratio Lower Upper

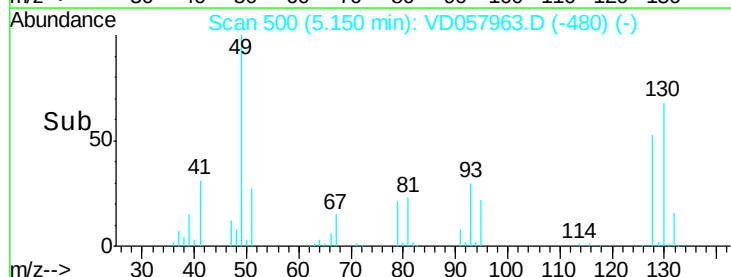
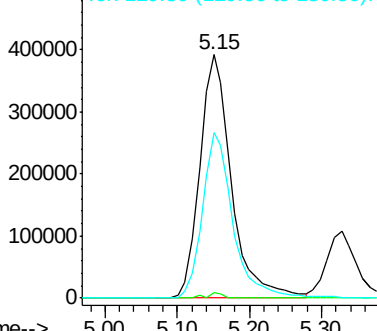
49 100

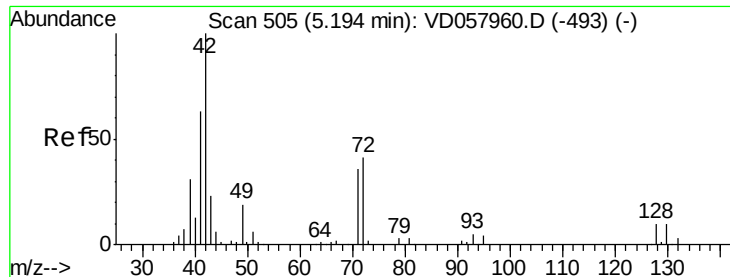
129 2.2 0.0 3.6

130 67.8 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: 703.02 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

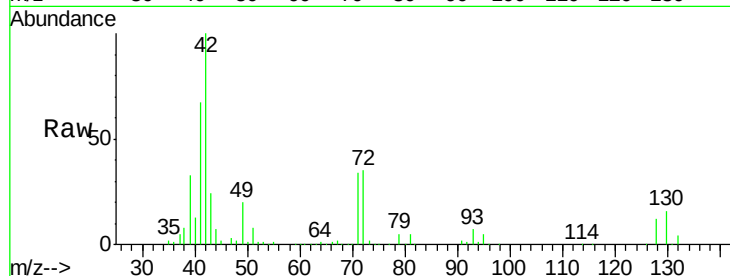
Tgt Ion: 42 Resp: 1118598

Ion Ratio Lower Upper

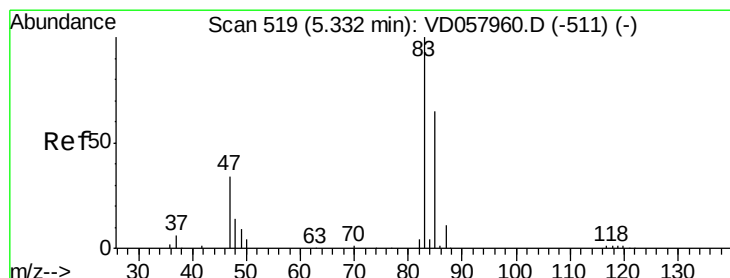
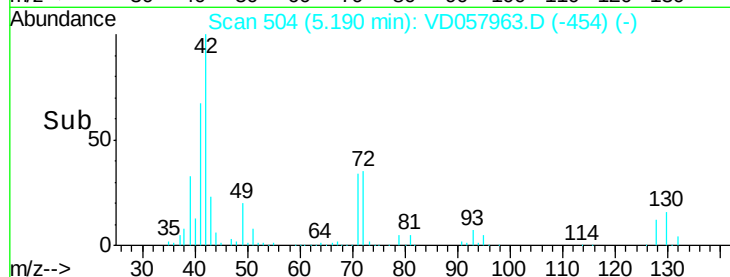
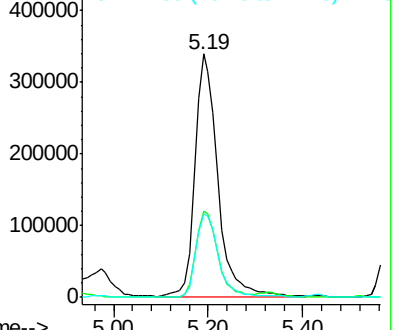
42 100

72 34.4 28.5 42.7

71 34.3 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: 143.70 ug/l

RT: 5.33 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD057963.D

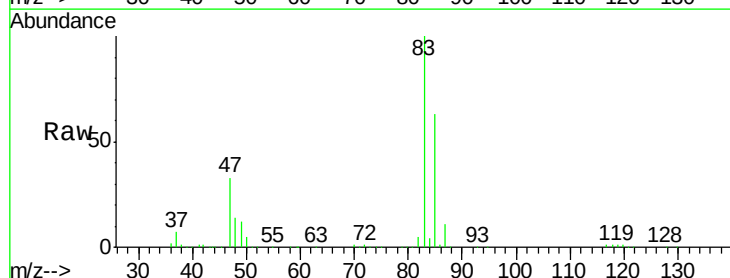
Acq: 6 Jun 2018 20:43

Tgt Ion: 83 Resp: 2701380

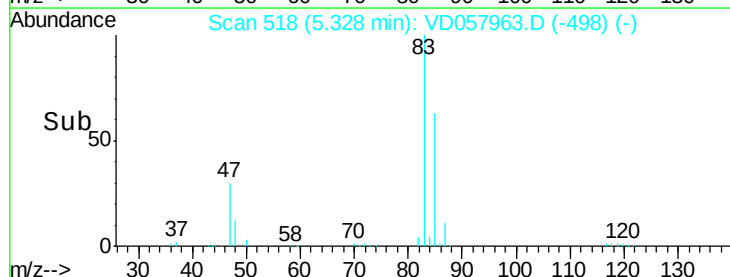
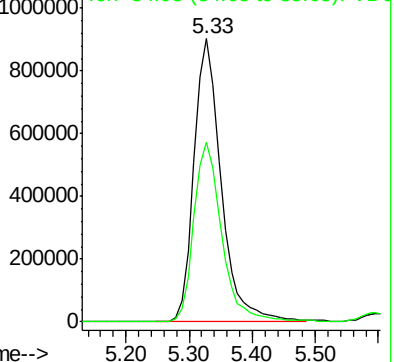
Ion Ratio Lower Upper

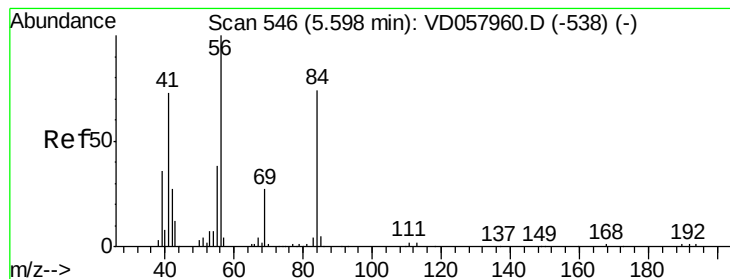
83 100

85 63.4 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: 117.49 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

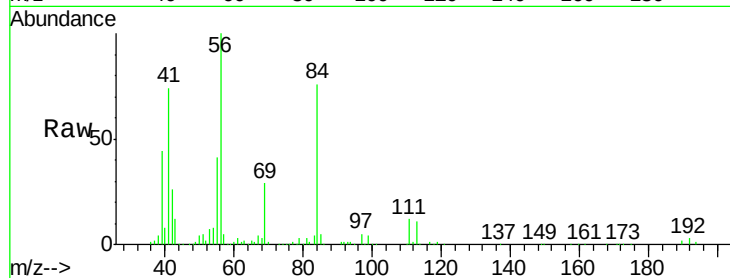
Tgt Ion: 56 Resp: 1893933

Ion Ratio Lower Upper

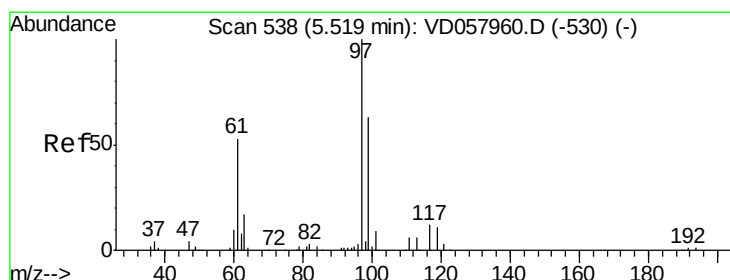
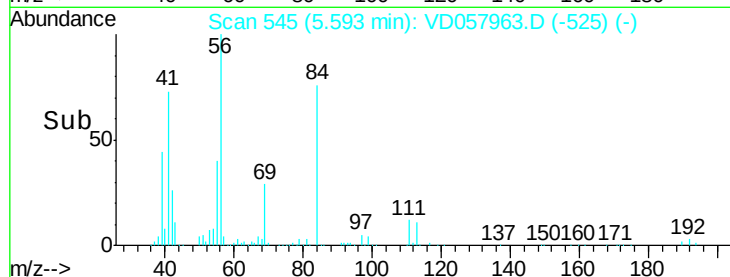
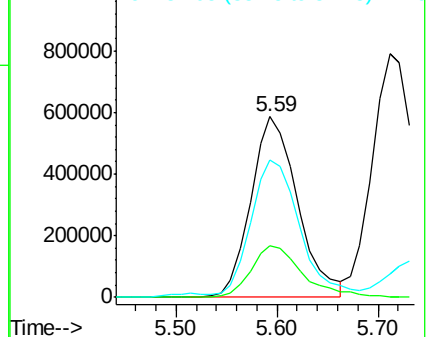
56 100

69 28.7 21.5 32.3

84 76.1 61.0 91.6



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



#32

1,1,1-Trichloroethane

Concen: 148.14 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

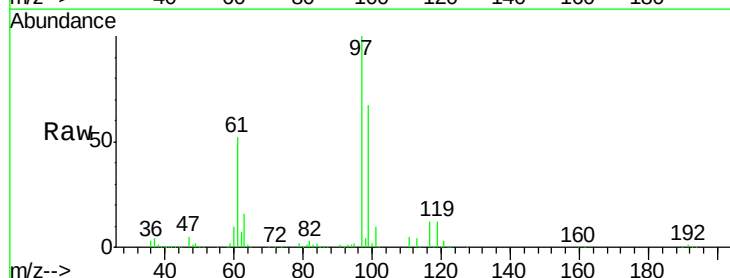
Tgt Ion: 97 Resp: 2331762

Ion Ratio Lower Upper

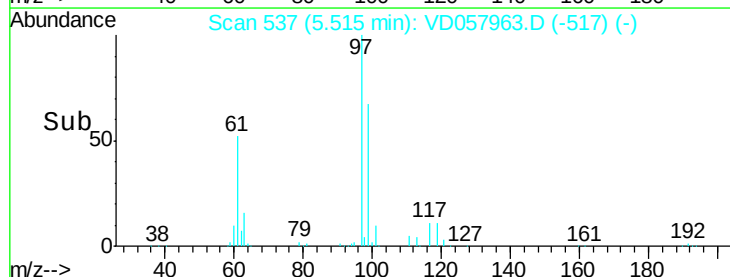
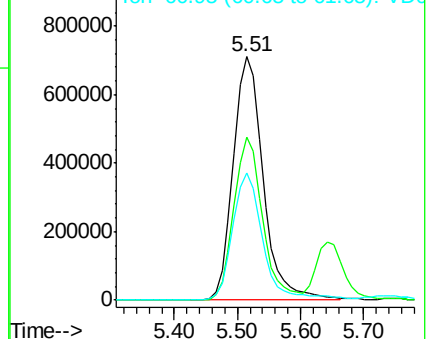
97 100

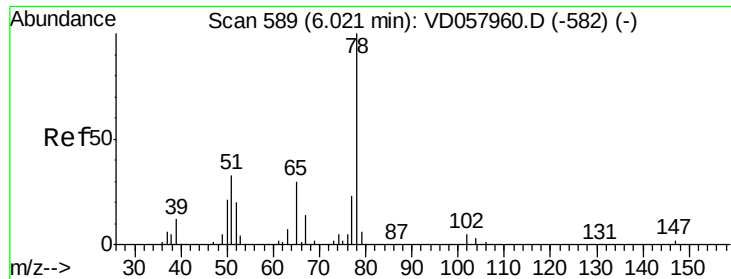
99 66.8 50.1 75.1

61 52.0 42.2 63.4



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

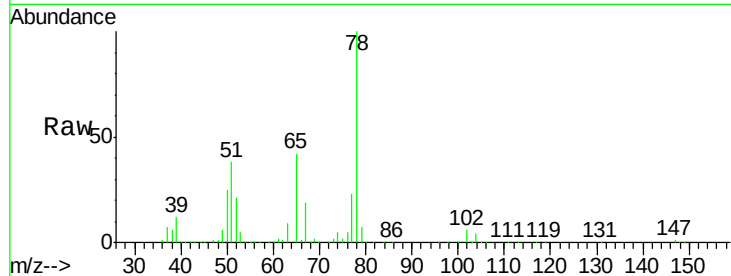




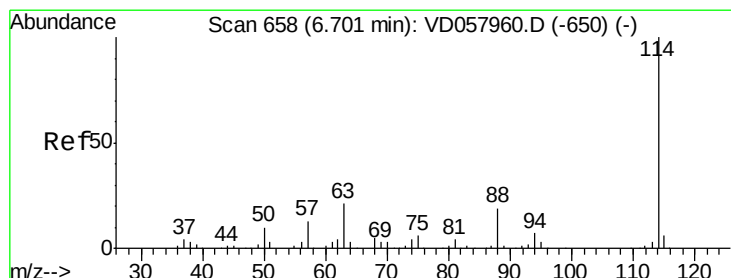
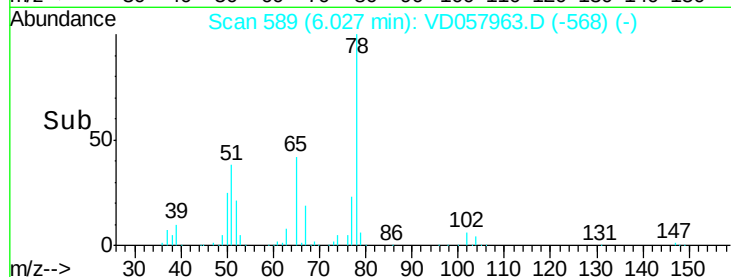
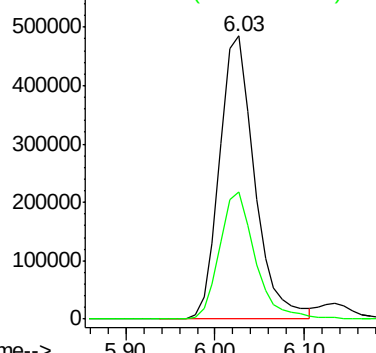
#33
 1,2-Dichloroethane-d4
 Concen: 148.14 ug/l
 RT: 6.03 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 65 Resp: 1321833
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 94.0

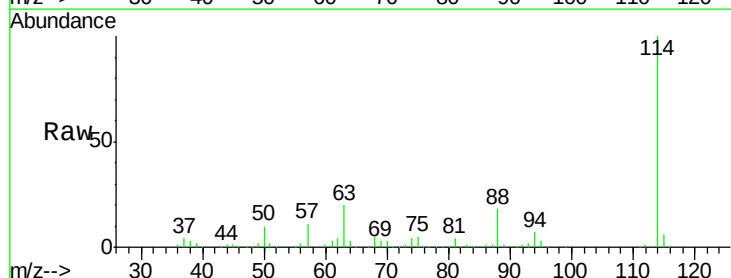


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

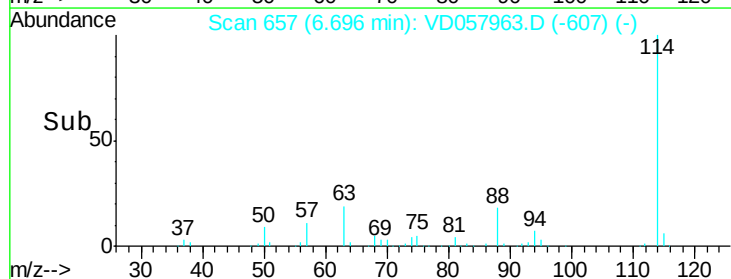
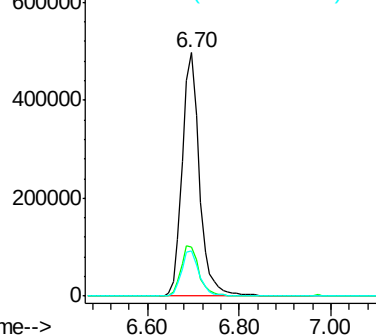


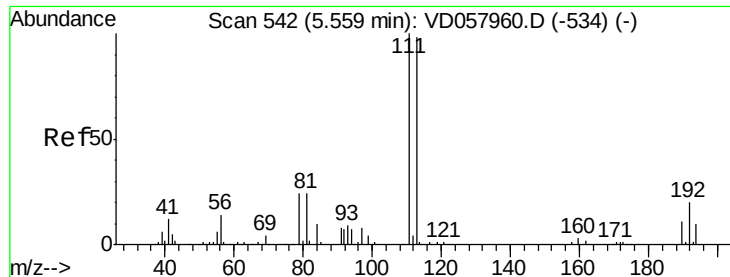
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Tgt Ion: 114 Resp: 1279728
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.8
 88 18.4 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

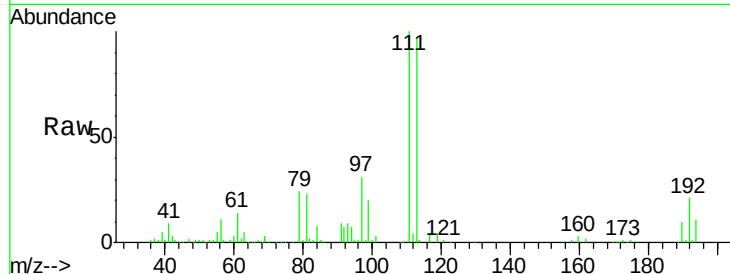




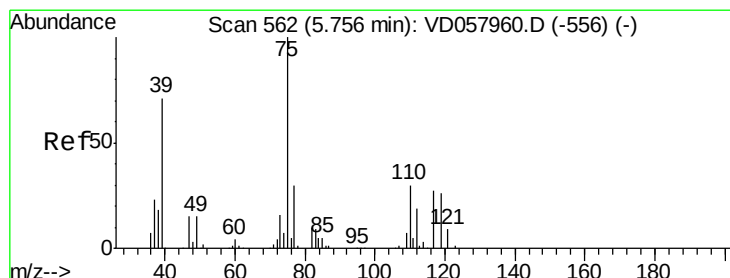
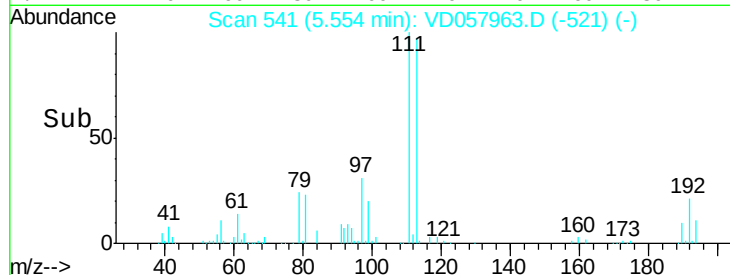
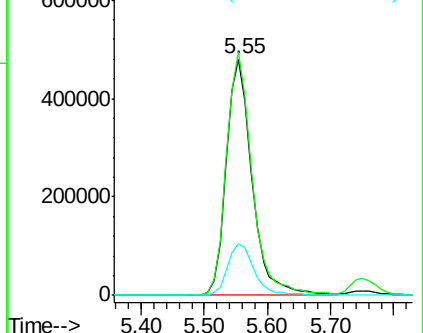
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:113 Resp: 1358680
Ion Ratio Lower Upper
113 100
111 103.1 81.5 122.3
192 21.8 16.4 24.6

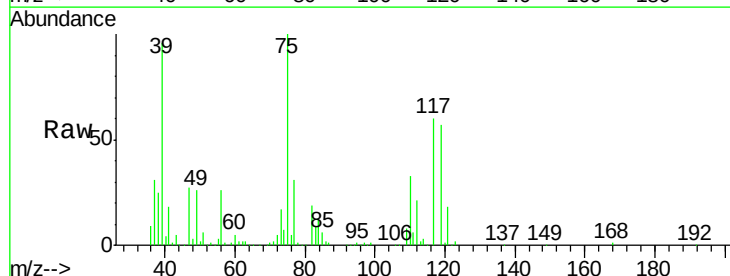


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

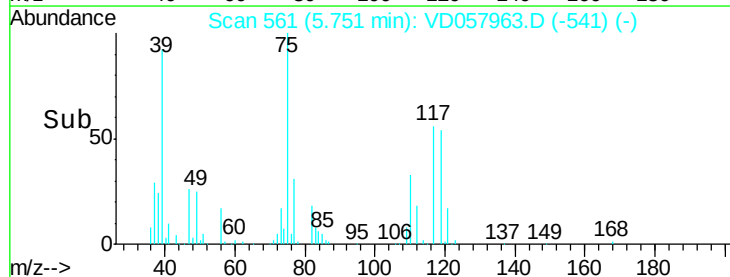
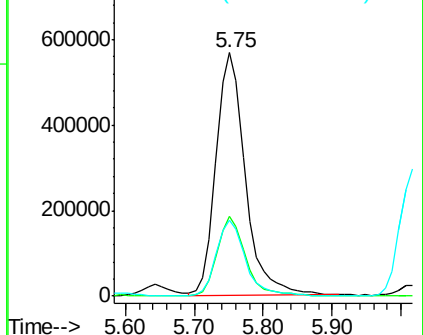


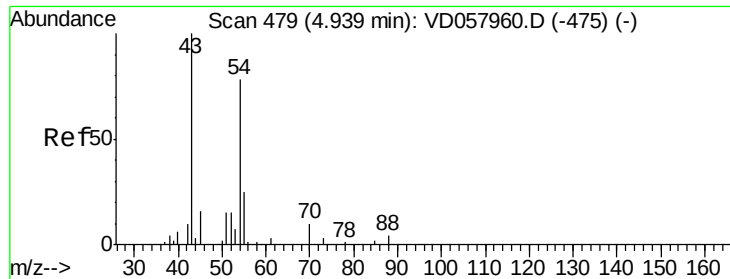
#36
1,1-Dichloropropene
Concen: 118.47 ug/l
RT: 5.75 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 75 Resp: 1670394
Ion Ratio Lower Upper
75 100
110 32.8 14.8 44.3
77 31.2 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

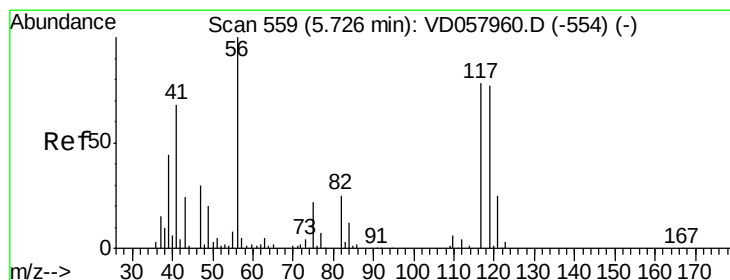
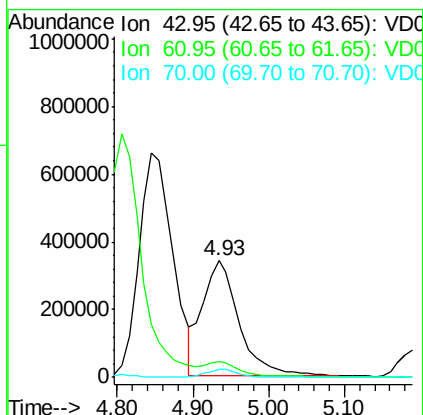
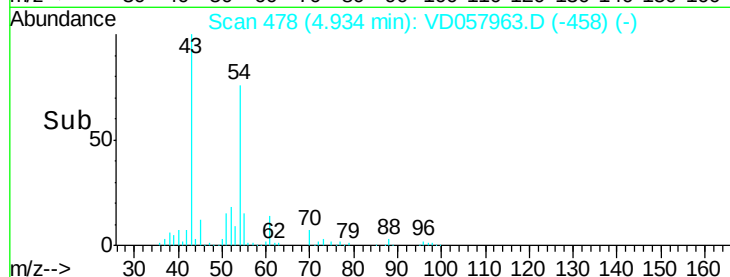
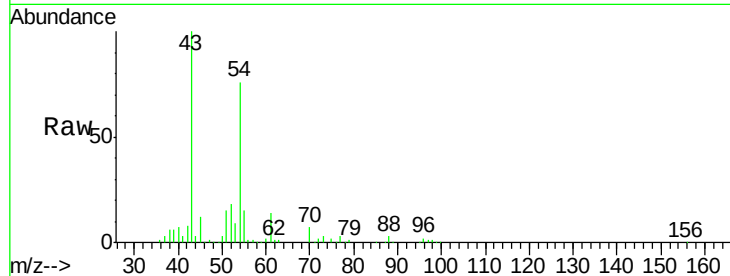




#37
Ethyl Acetate
Concen: 148.60 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

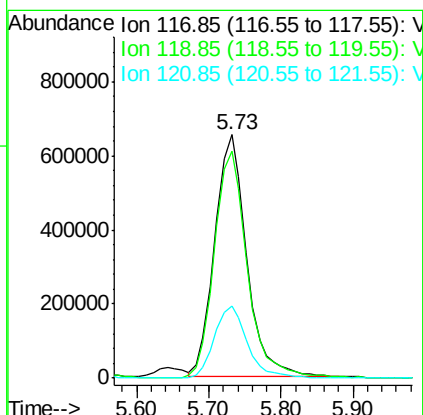
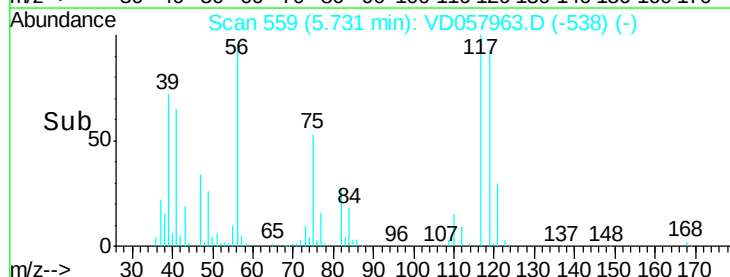
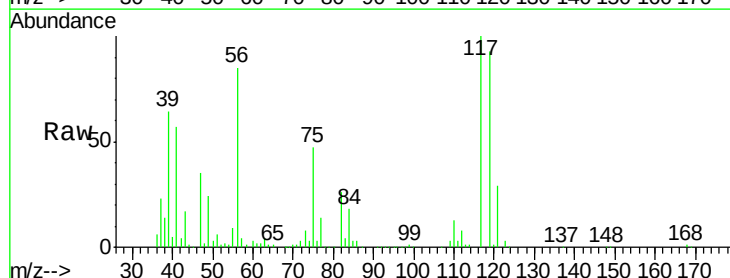
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

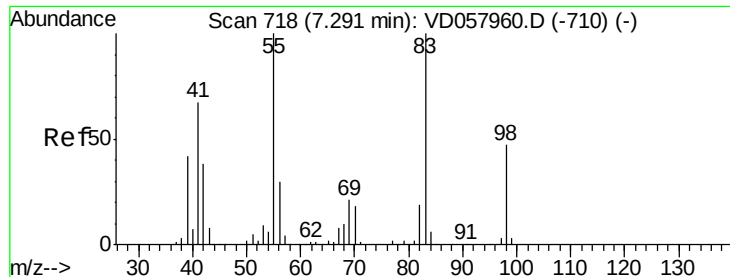
Tgt Ion: 43 Resp: 1143246
Ion Ratio Lower Upper
43 100
61 13.6 9.9 14.9
70 6.8 5.7 8.5



#38
Carbon Tetrachloride
Concen: 143.98 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 117 Resp: 2000597
Ion Ratio Lower Upper
117 100
119 93.1 76.1 114.1
121 29.4 24.9 37.3

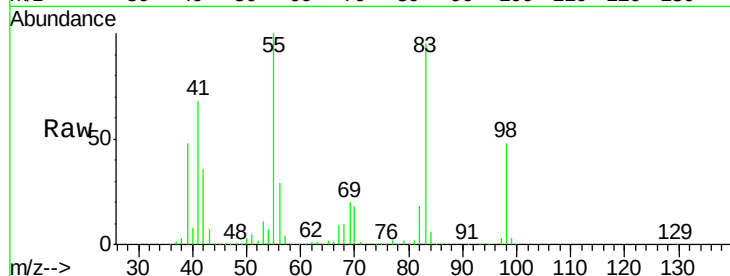




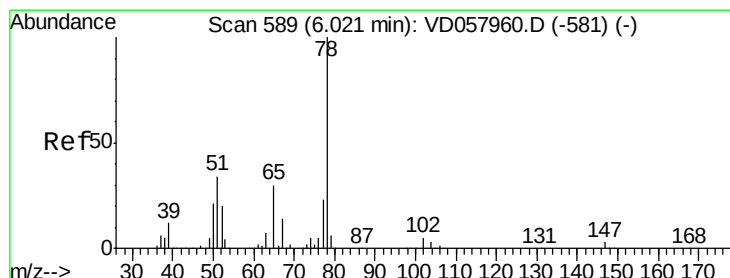
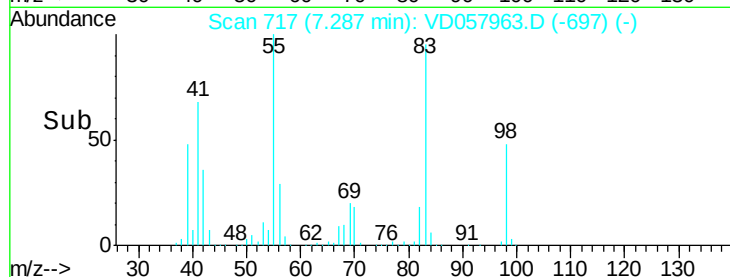
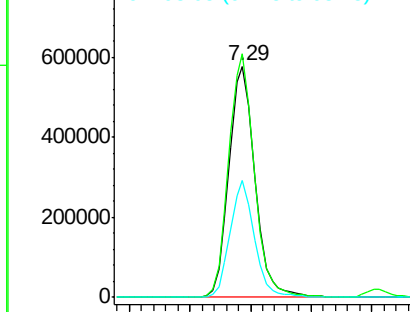
#39
Methylcyclohexane
Concen: 123.69 ug/l
RT: 7.29 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 1728777
Ion Ratio Lower Upper
83 100
55 105.2 80.3 120.5
98 50.3 38.0 57.0

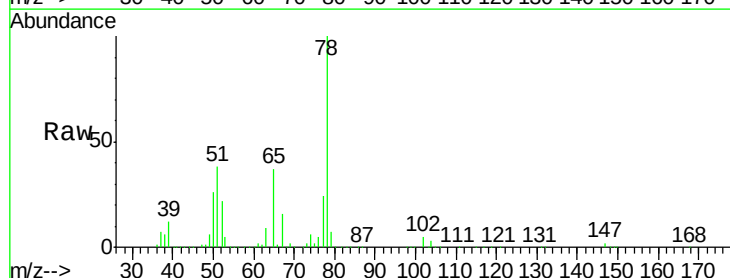


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

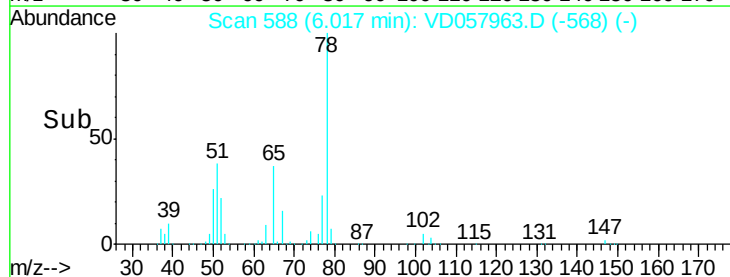
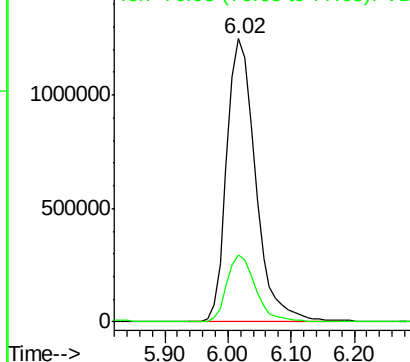


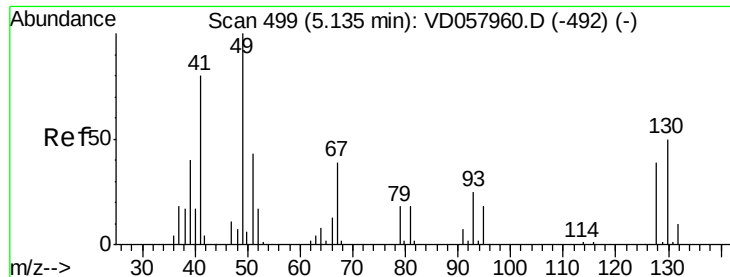
#40
Benzene
Concen: 120.92 ug/l
RT: 6.02 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 78 Resp: 3982775
Ion Ratio Lower Upper
78 100
77 23.8 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

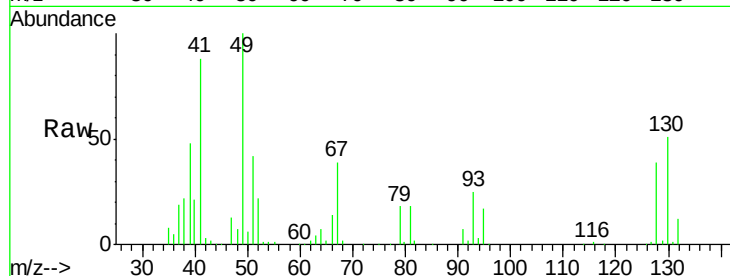




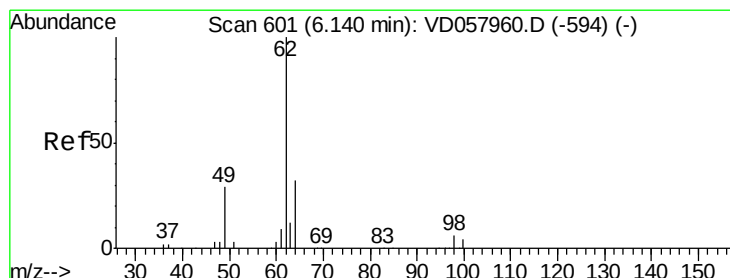
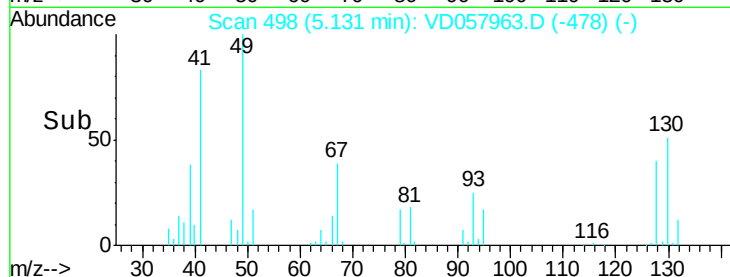
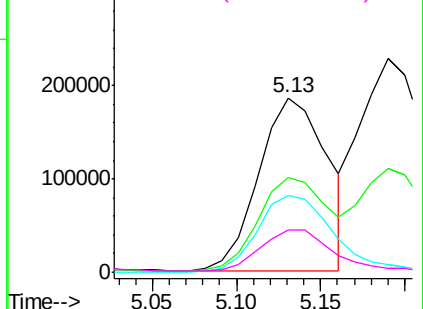
#41
Methacrylonitrile
Concen: 149.05 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 524295
Ion Ratio Lower Upper
41 100
39 54.3 40.7 61.1
67 44.3 38.8 58.2
52 24.6 17.3 25.9

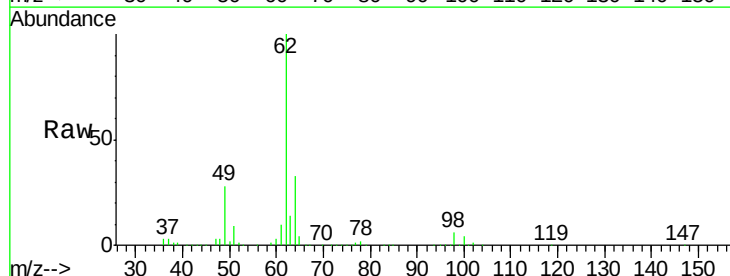


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

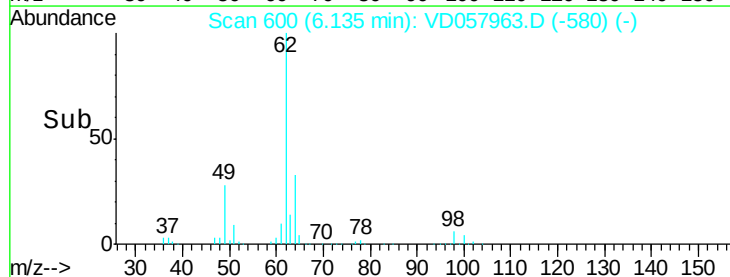
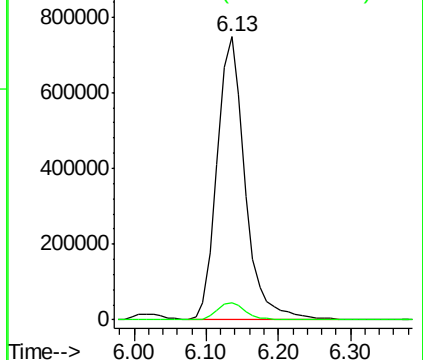


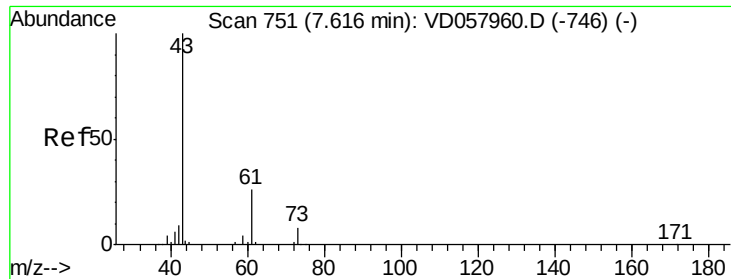
#42
1,2-Dichloroethane
Concen: 149.64 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 62 Resp: 1992742
Ion Ratio Lower Upper
62 100
98 6.2 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: 154.17 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

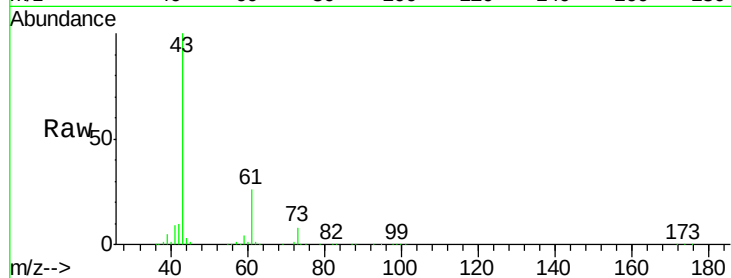
Tgt Ion: 43 Resp: 1553573

Ion Ratio Lower Upper

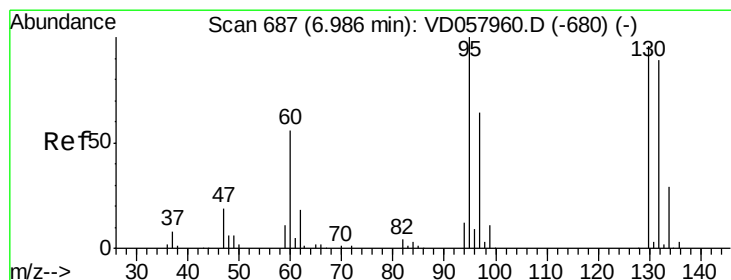
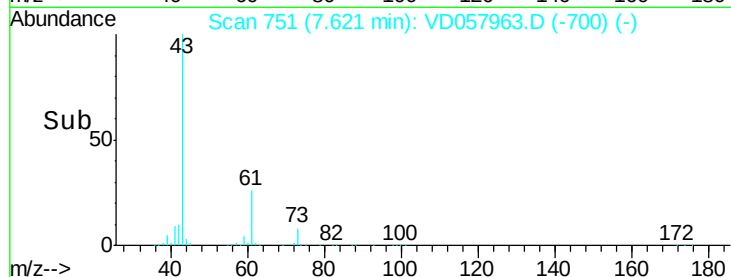
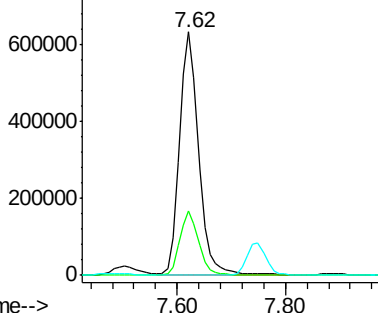
43 100

61 26.2 20.6 30.8

87 0.2 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: 142.01 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.00 min

Lab File: VD057963.D

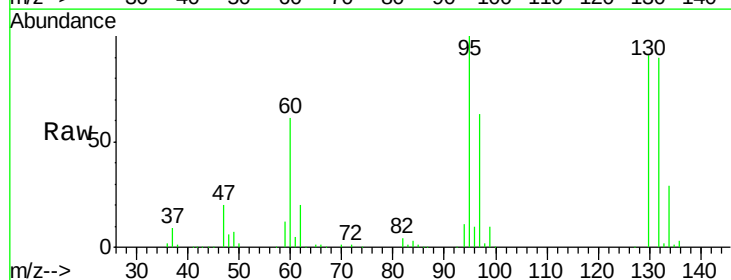
Acq: 6 Jun 2018 20:43

Tgt Ion:130 Resp: 1366229

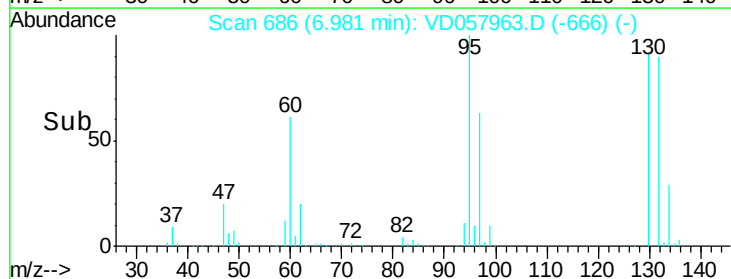
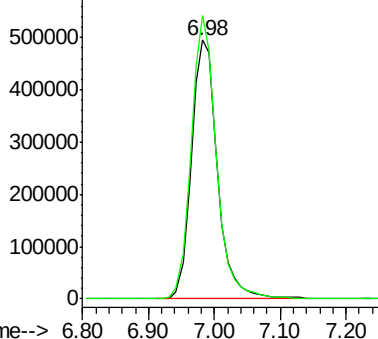
Ion Ratio Lower Upper

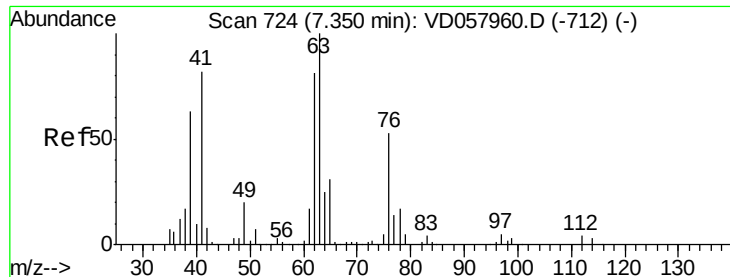
130 100

95 109.5 0.0 207.4



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

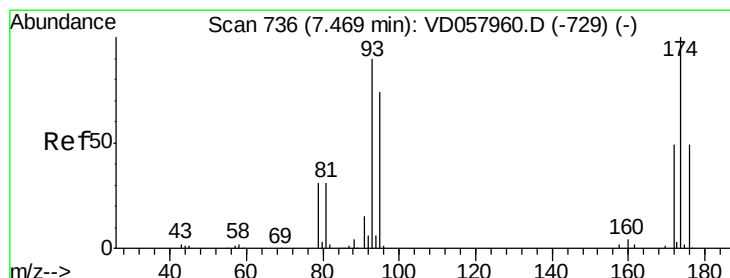
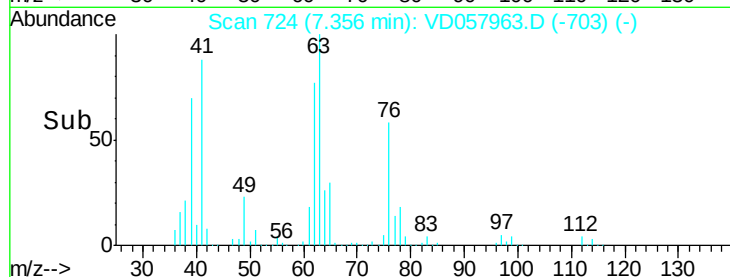
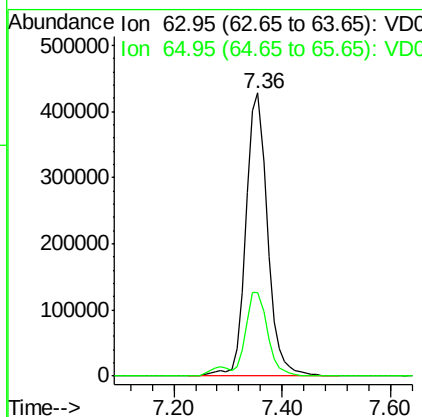
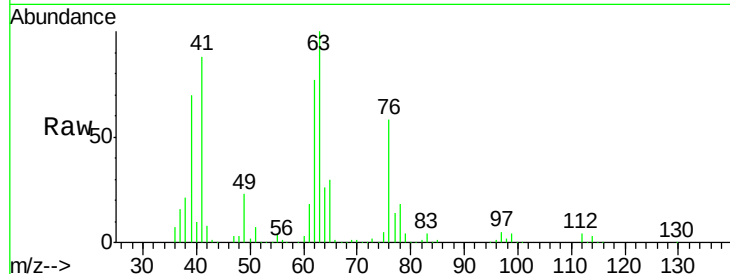




#45
 1,2-Dichloropropane
 Concen: 129.98 ug/l
 RT: 7.36 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

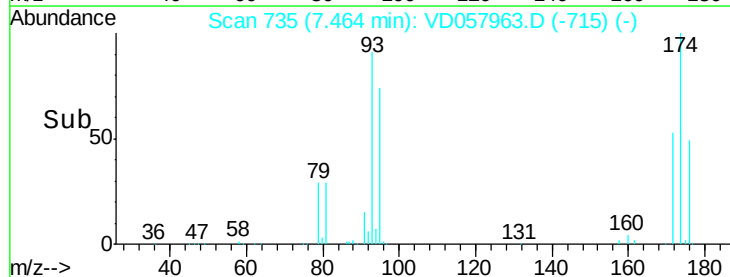
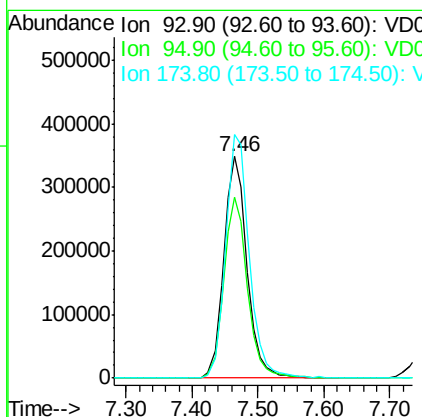
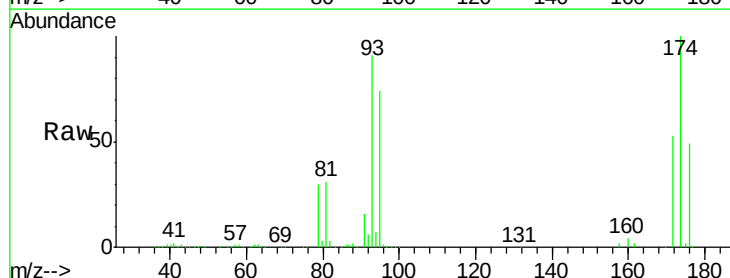
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

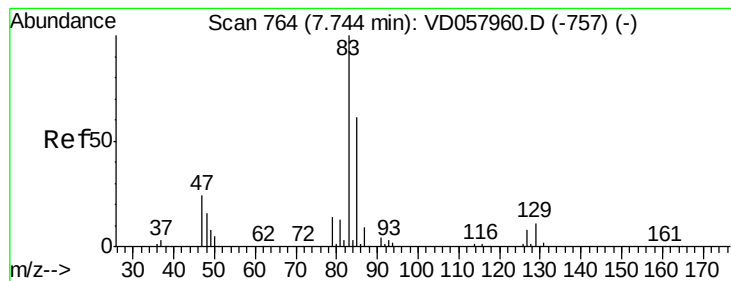
Tgt Ion: 63 Resp: 1189840
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.9 37.3



#46
 Dibromomethane
 Concen: 146.52 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Tgt Ion: 93 Resp: 861616
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.7 98.5
 174 110.0 89.0 133.4





#47

Bromodichloromethane

Concen: 151.41 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

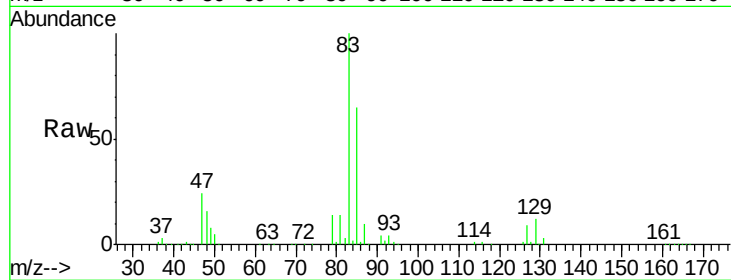
Tgt Ion: 83 Resp: 2084735

Ion Ratio Lower Upper

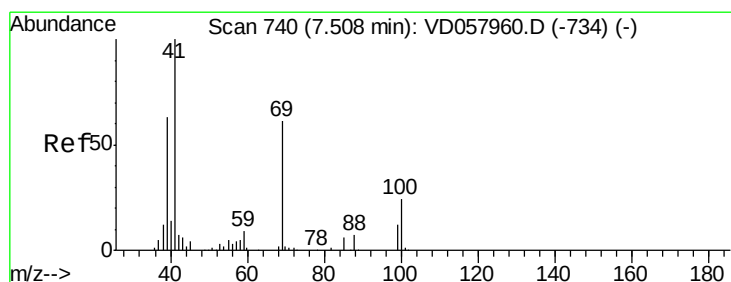
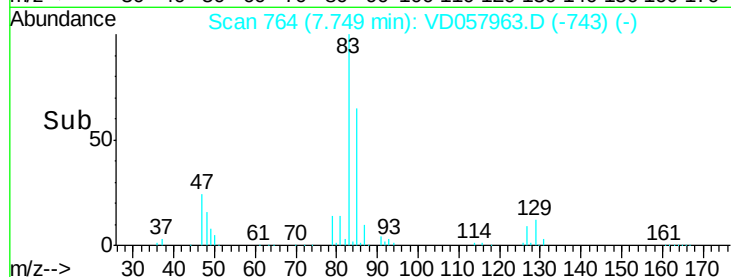
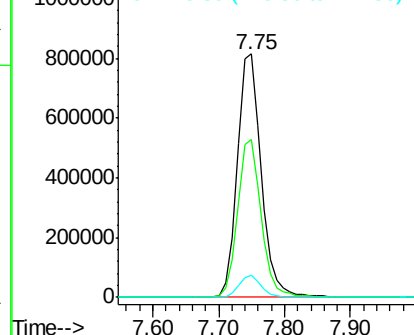
83 100

85 64.9 49.1 73.7

127 9.0 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: 145.17 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

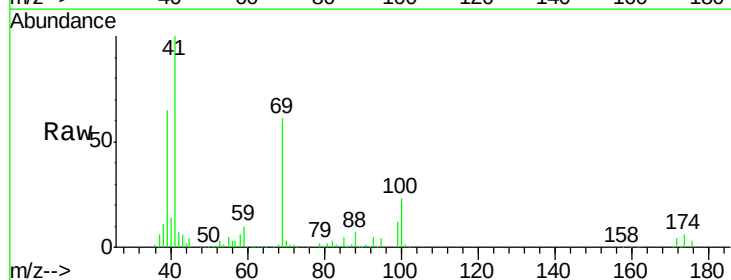
Tgt Ion: 41 Resp: 900404

Ion Ratio Lower Upper

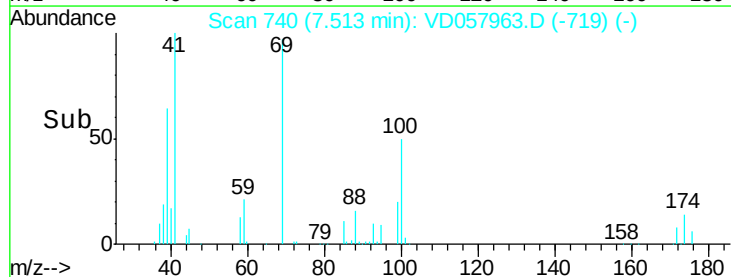
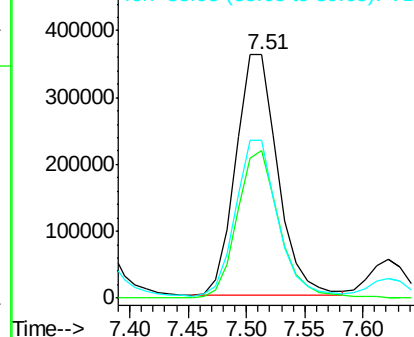
41 100

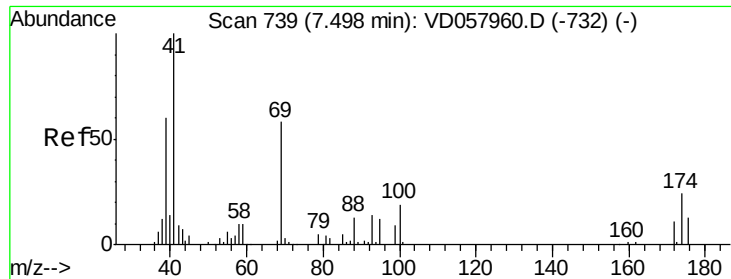
69 60.9 48.0 72.0

39 64.7 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: 2956.92 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

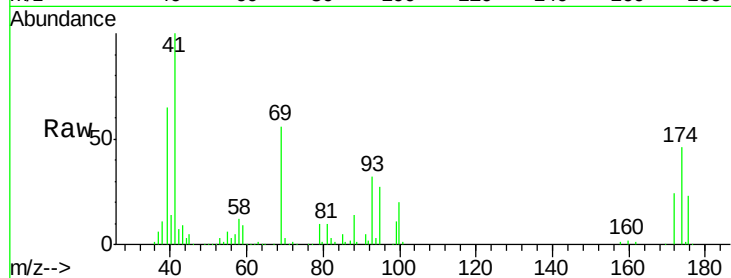
Tgt Ion: 88 Resp: 151929

Ion Ratio Lower Upper

88 100

43 63.8 46.6 69.8

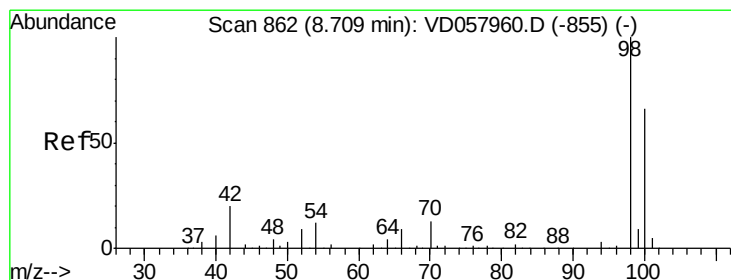
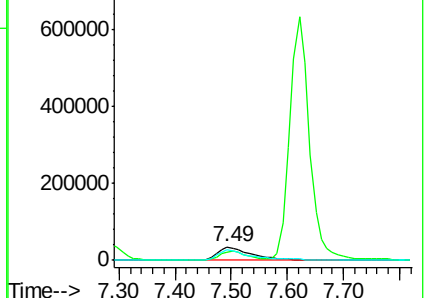
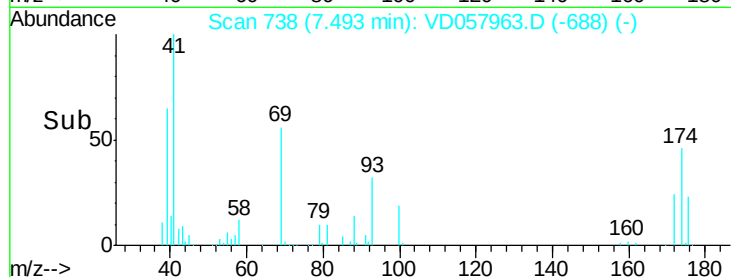
58 83.8 63.6 95.4



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: 2956.92 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD057963.D

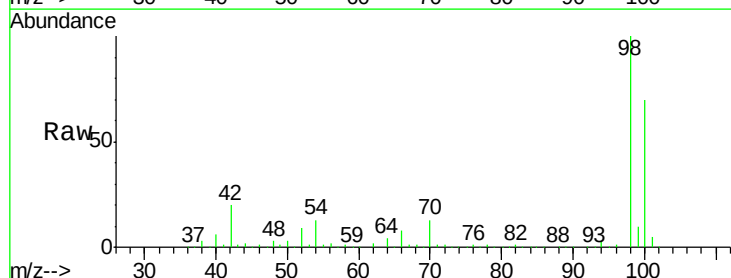
Acq: 6 Jun 2018 20:43

Tgt Ion: 98 Resp: 3029345

Ion Ratio Lower Upper

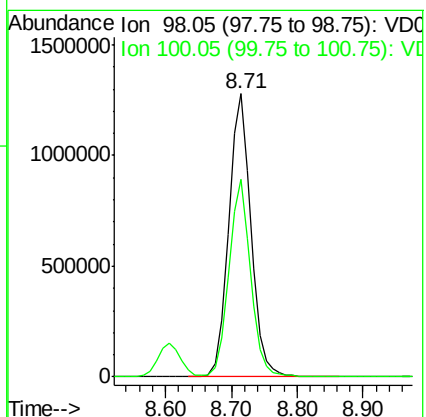
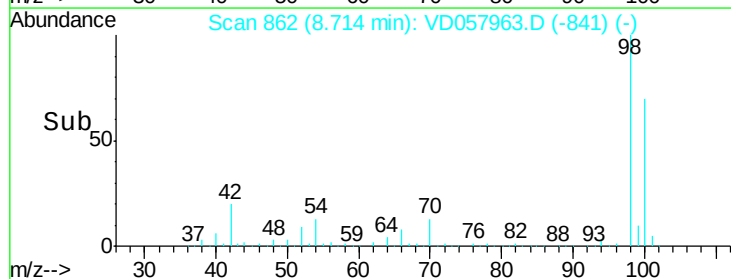
98 100

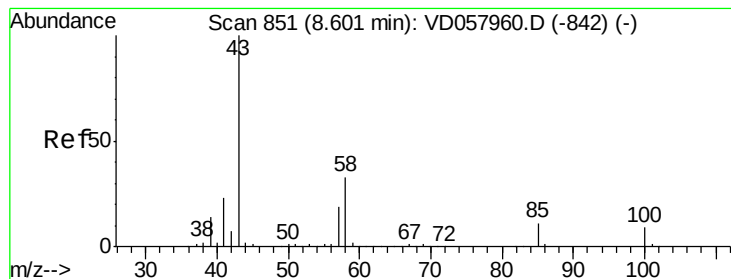
100 69.8 53.4 80.0



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: 632.97 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

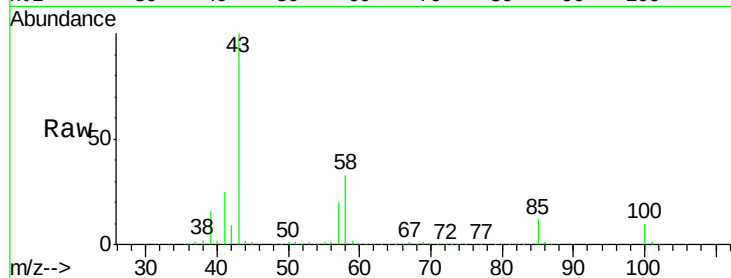
VSTDIC150

Tgt Ion: 43 Resp: 4091131

Ion Ratio Lower Upper

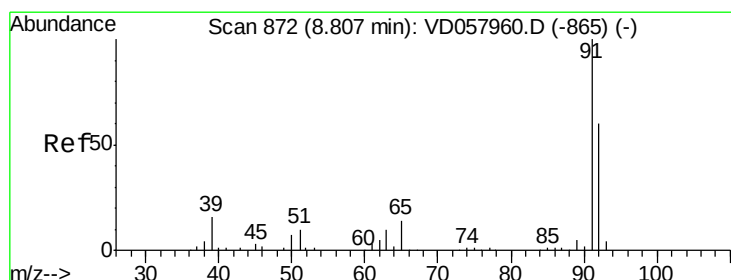
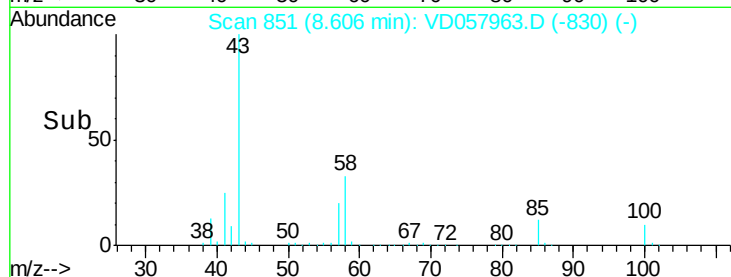
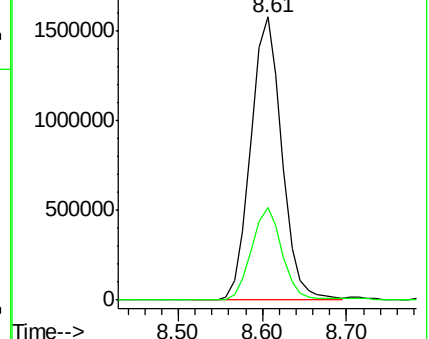
43 100

58 32.6 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: 123.21 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD057963.D

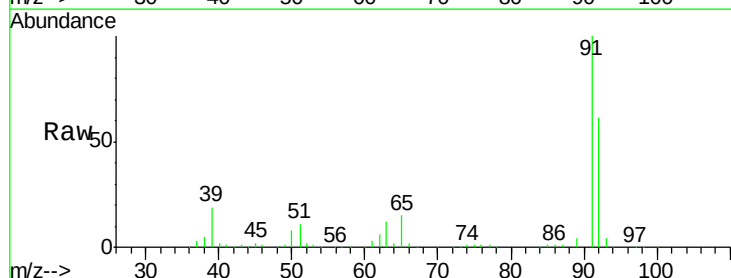
Acq: 6 Jun 2018 20:43

Tgt Ion: 92 Resp: 2328927

Ion Ratio Lower Upper

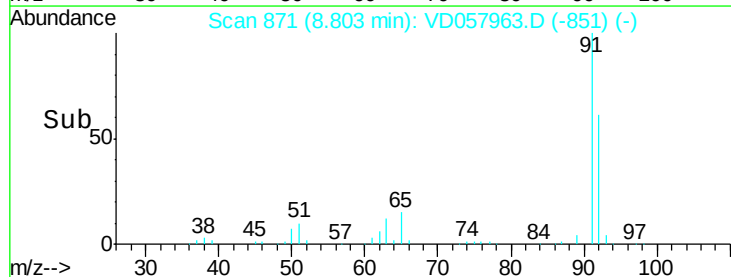
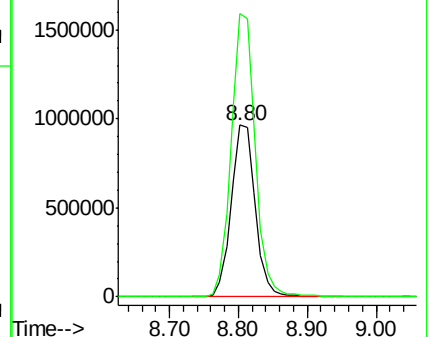
92 100

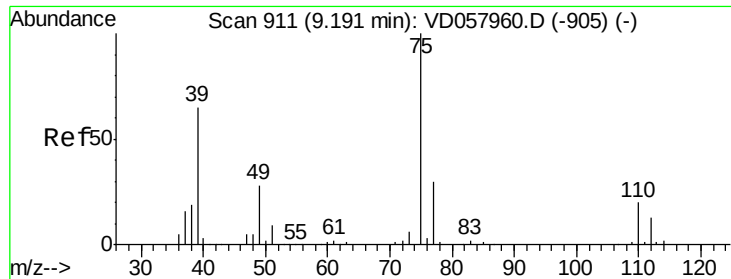
91 165.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

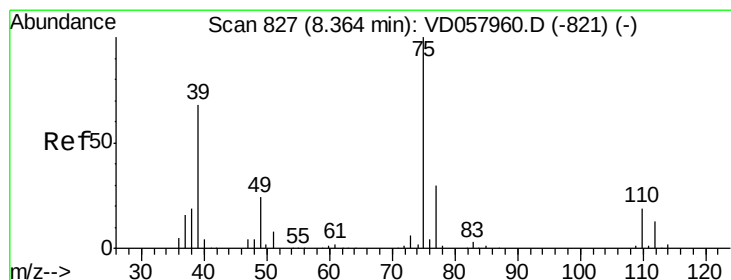
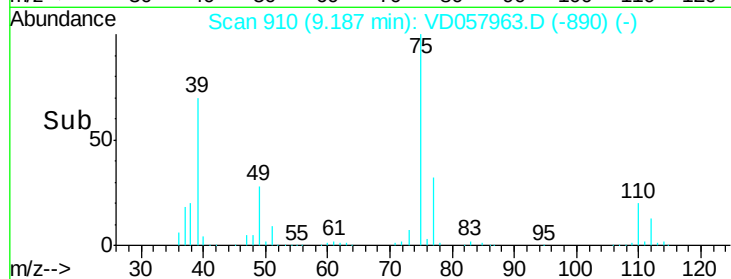
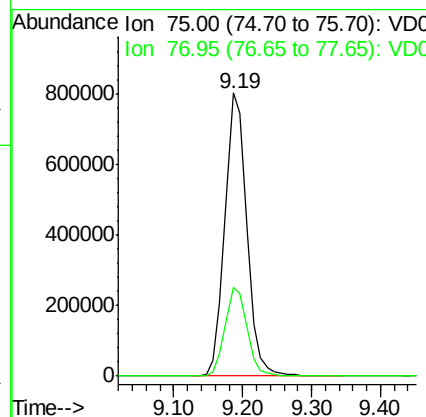
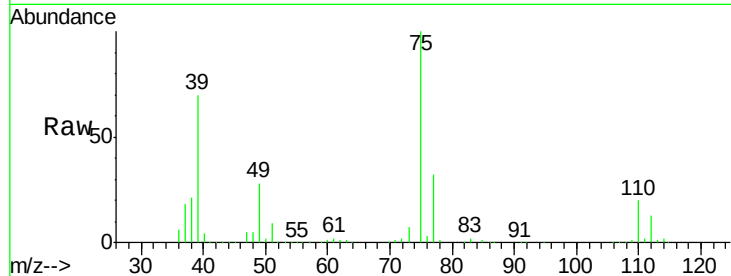




#53
t-1,3-Dichloropropene
Concen: 149.44 ug/l
RT: 9.19 min Scan# 910
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

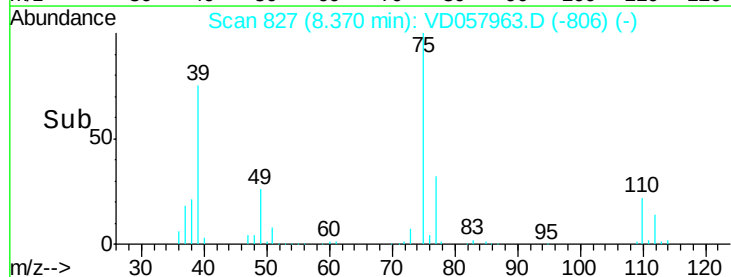
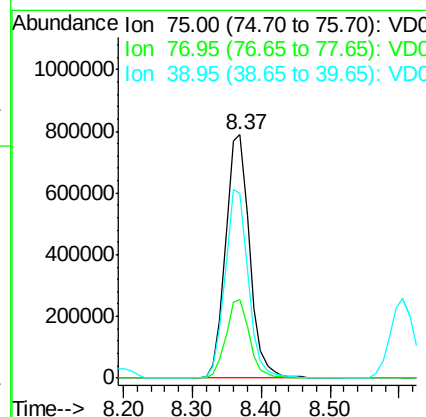
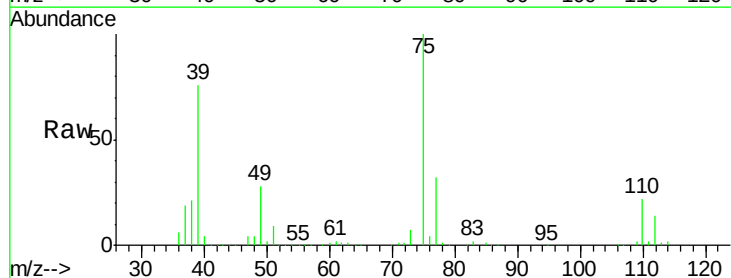
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

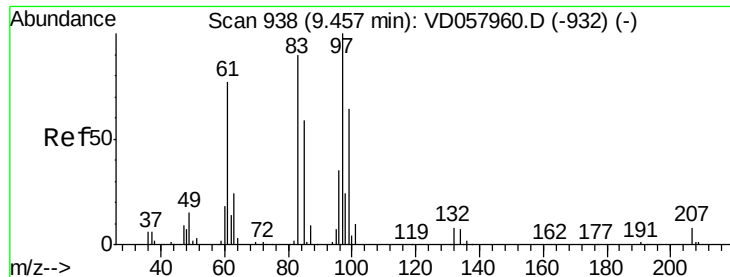
Tgt Ion: 75 Resp: 1772738
Ion Ratio Lower Upper
75 100
77 31.6 24.3 36.5



#54
cis-1,3-Dichloropropene
Concen: 136.64 ug/l
RT: 8.37 min Scan# 827
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 75 Resp: 1909669
Ion Ratio Lower Upper
75 100
77 32.0 24.1 36.1
39 76.0 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 139.51 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 853487

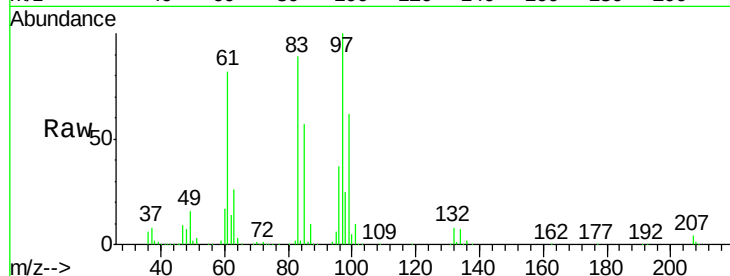
Ion Ratio Lower Upper

97 100

83 88.8 71.8 107.8

85 57.4 47.2 70.8

99 62.1 51.4 77.0

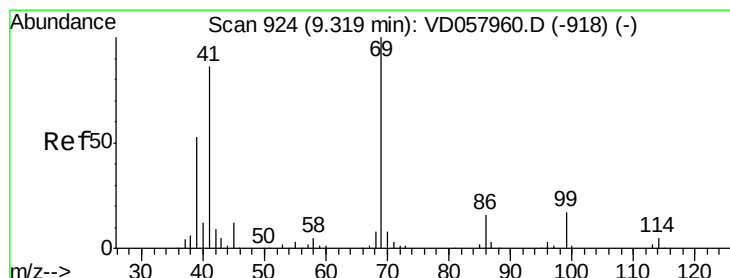
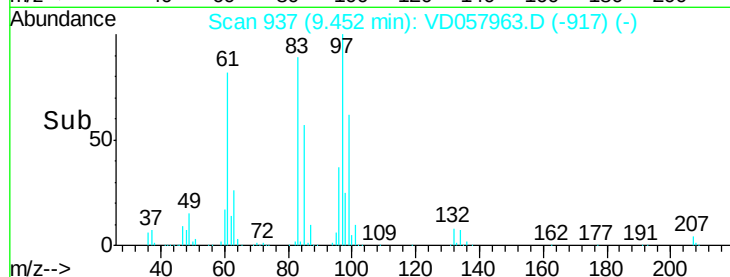
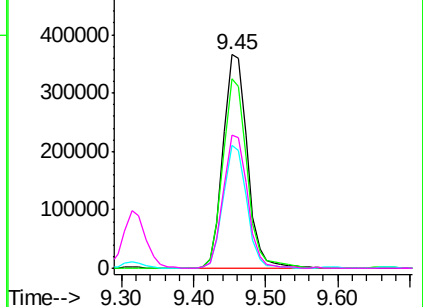


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 146.17 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

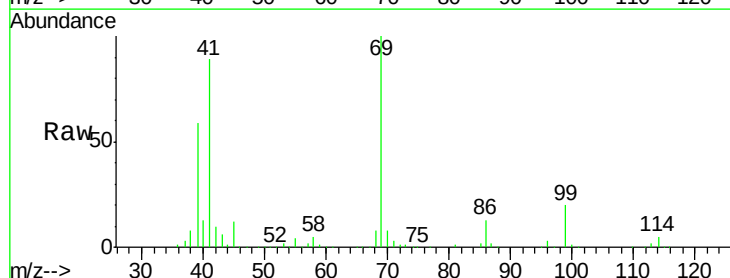
Tgt Ion: 69 Resp: 1096925

Ion Ratio Lower Upper

69 100

41 89.5 68.4 102.6

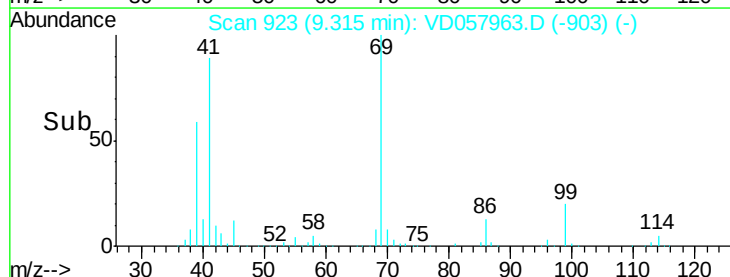
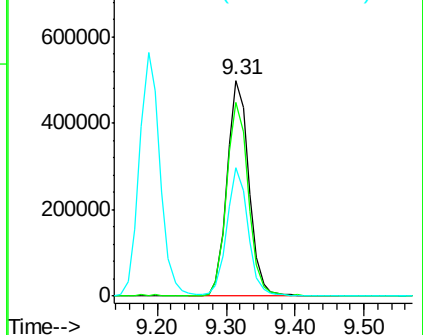
39 59.3 43.0 64.4

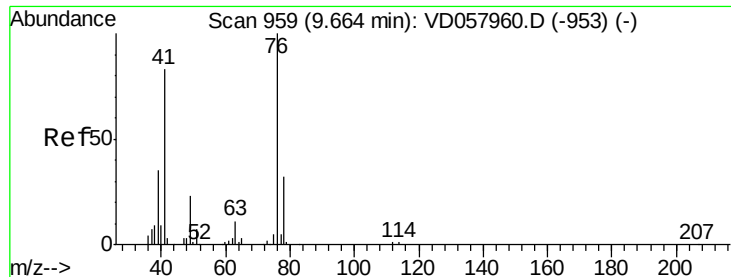


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

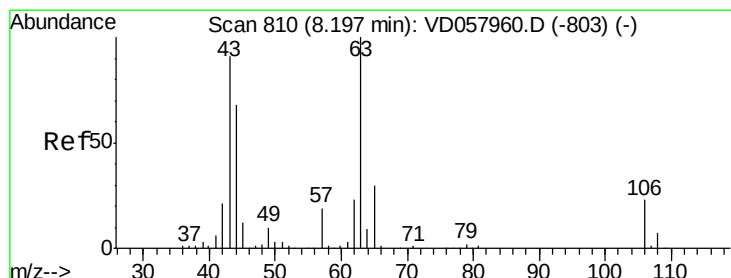
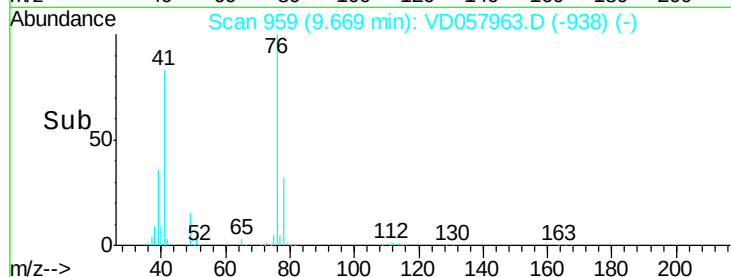
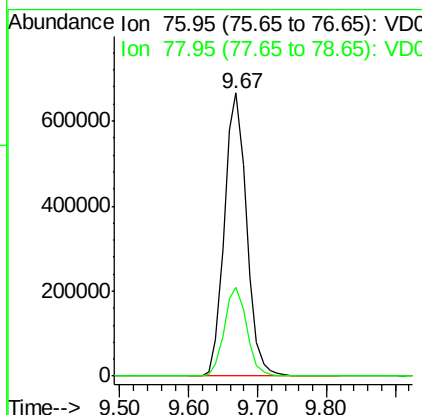
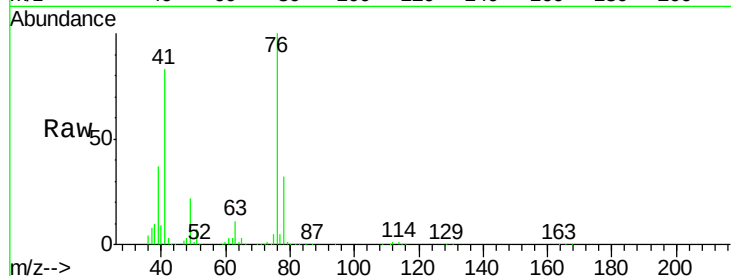




#57
 1,3-Dichloropropane
 Concen: 138.53 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

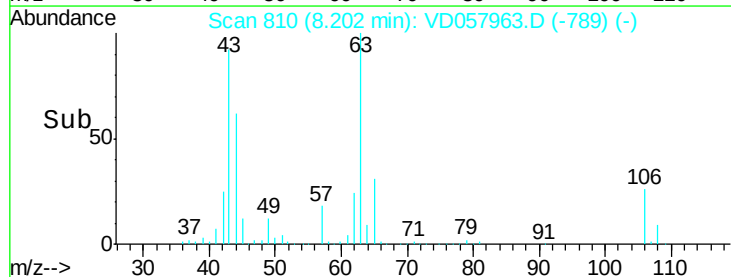
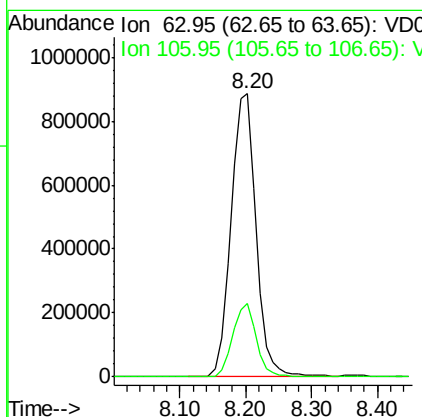
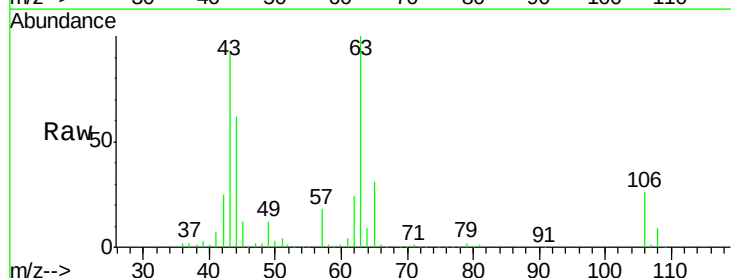
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

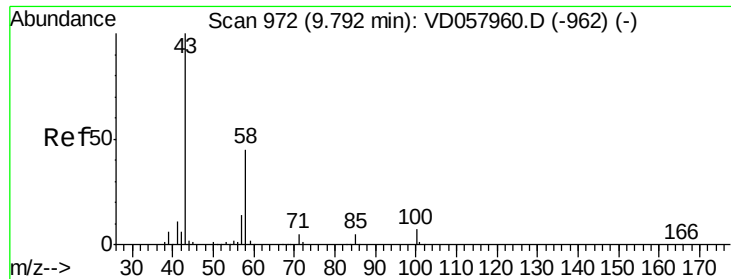
Tgt Ion: 76 Resp: 1486385
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 623.50 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Tgt Ion: 63 Resp: 2363948
 Ion Ratio Lower Upper
 63 100
 106 26.0 18.7 28.1

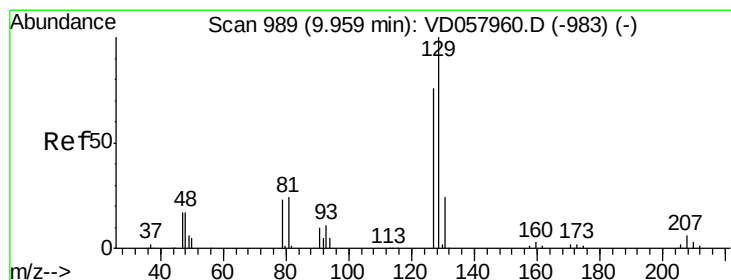
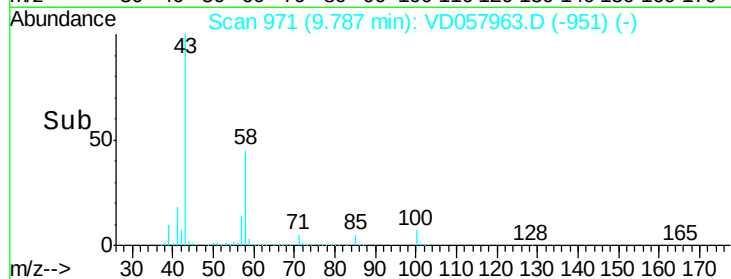
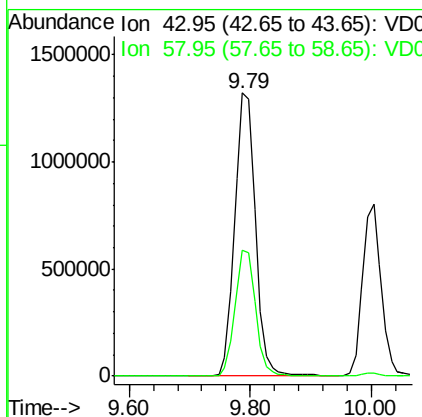
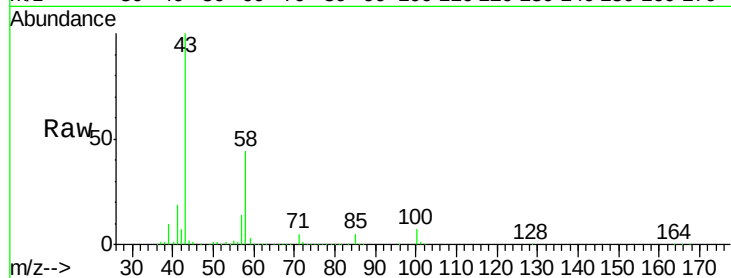




#59
2-Hexanone
Concen: 665.33 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

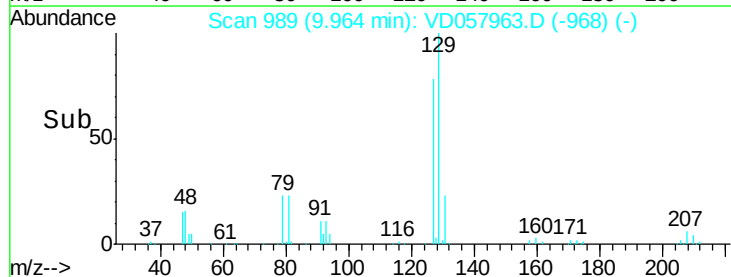
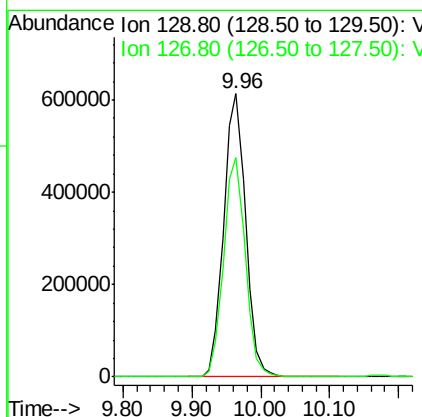
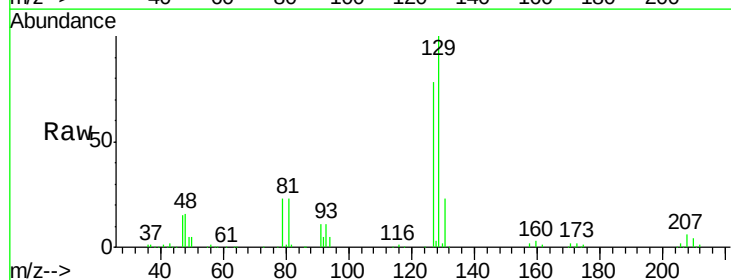
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

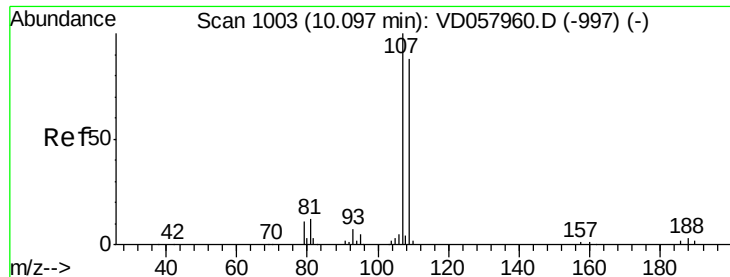
Tgt Ion: 43 Resp: 3151427
Ion Ratio Lower Upper
43 100
58 44.5 22.5 67.5



#60
Dibromochloromethane
Concen: 156.89 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 129 Resp: 1353473
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 148.09 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

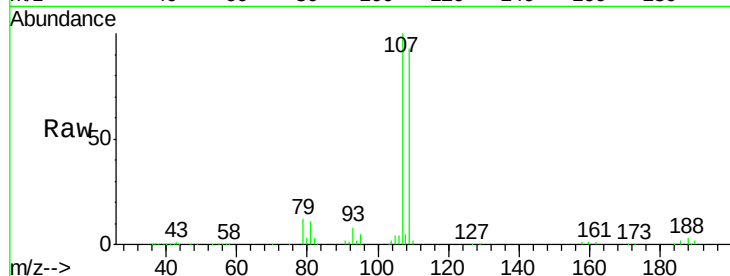
VSTDIC150

Tgt Ion: 107 Resp: 1041892

Ion Ratio Lower Upper

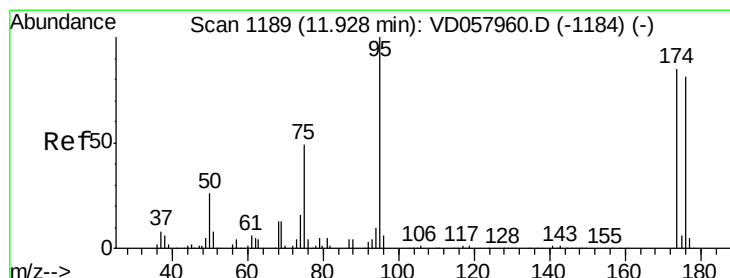
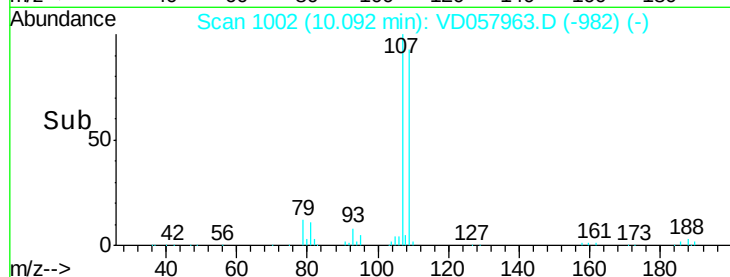
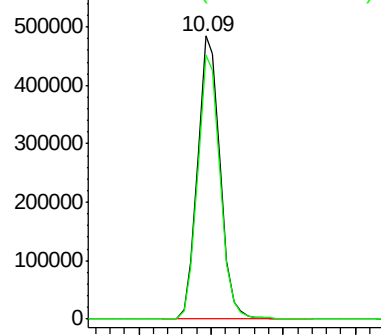
107 100

109 93.3 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 148.09 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

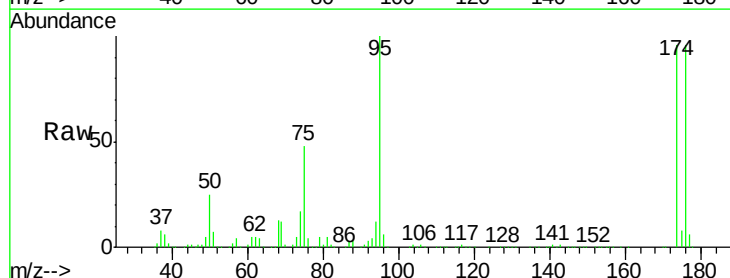
Tgt Ion: 95 Resp: 1277080

Ion Ratio Lower Upper

95 100

174 96.2 0.0 169.4

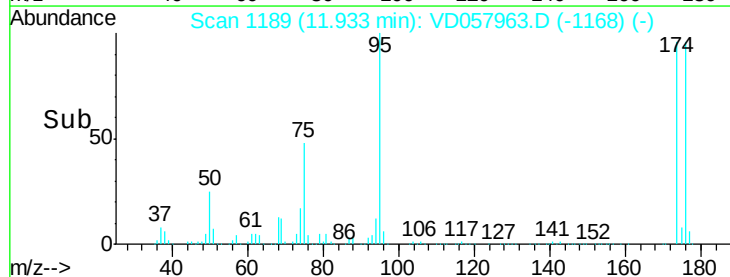
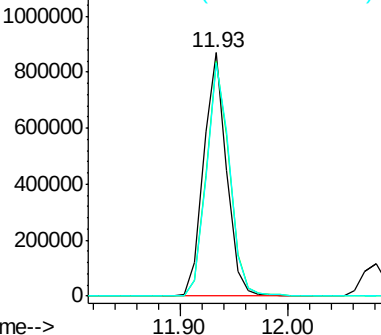
176 95.6 0.0 162.6

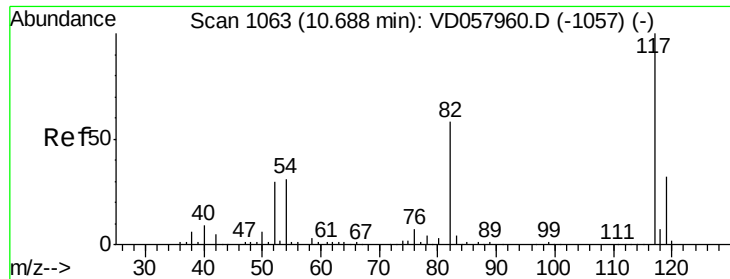


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

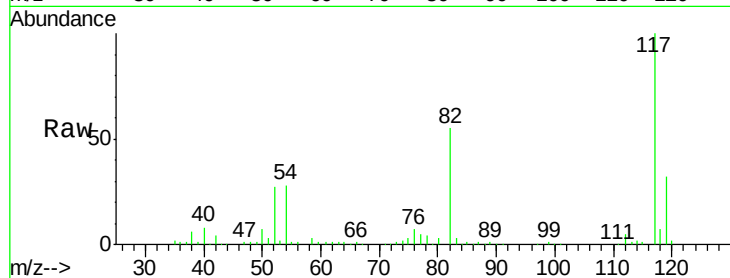




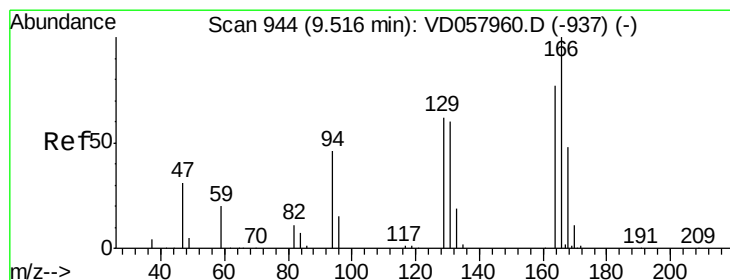
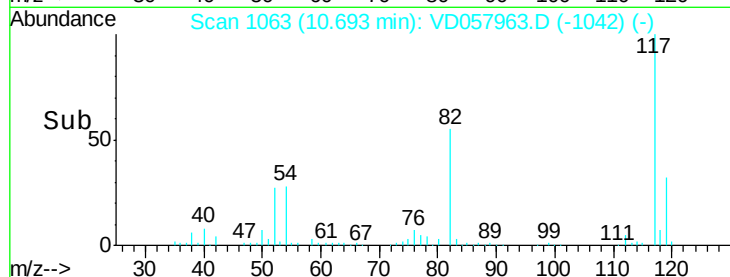
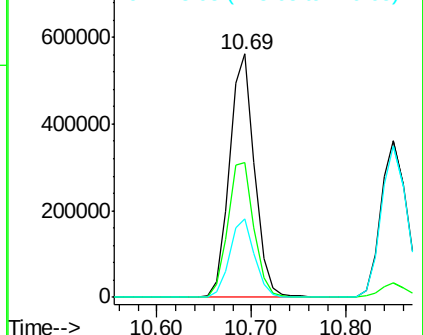
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 1025526
Ion Ratio Lower Upper
117 100
82 55.3 46.8 70.2
119 32.3 25.8 38.6

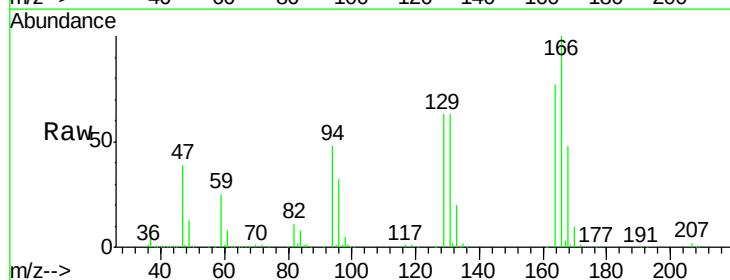


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

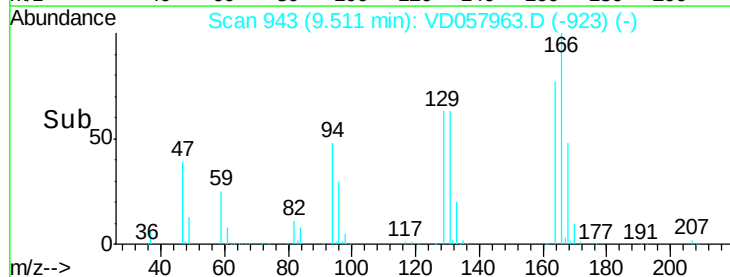
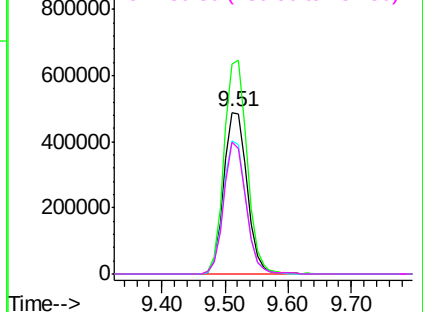


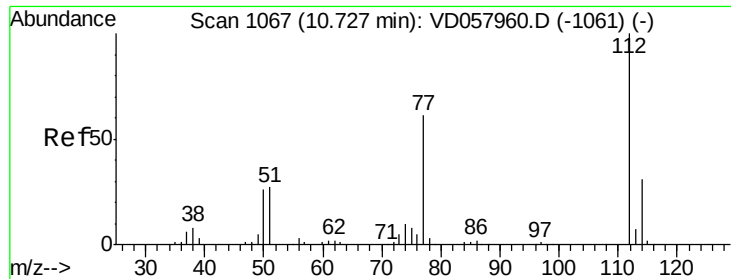
#64
Tetrachloroethene
Concen: 136.32 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion:164 Resp: 1249806
Ion Ratio Lower Upper
164 100
166 130.3 104.4 156.6
129 82.3 65.0 97.6
131 81.6 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

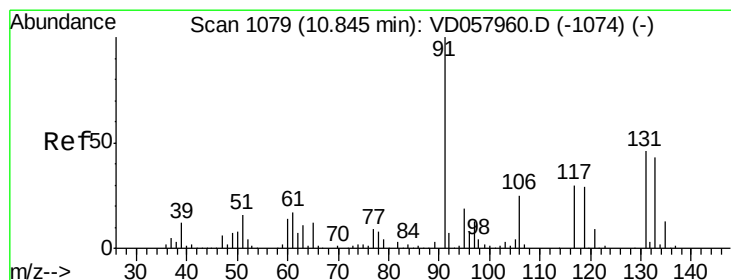
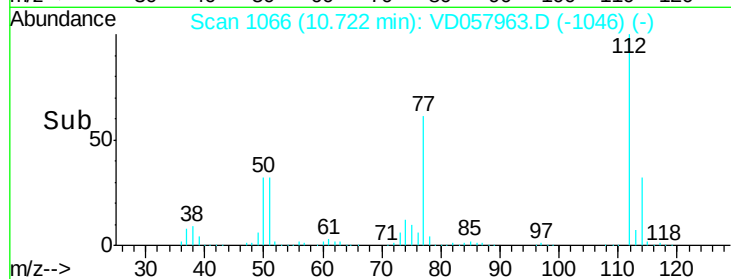
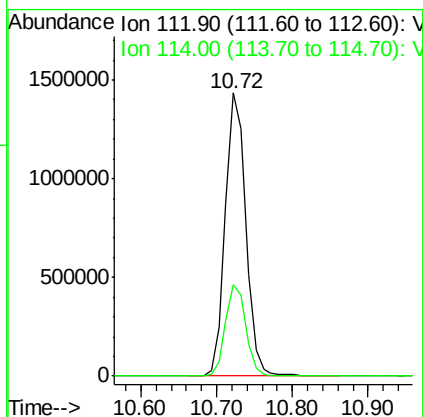
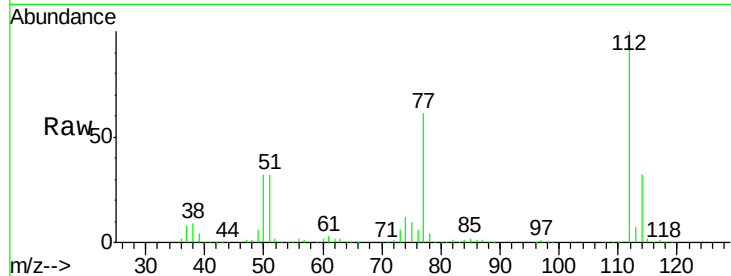




#65
Chlorobenzene
Concen: 130.31 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

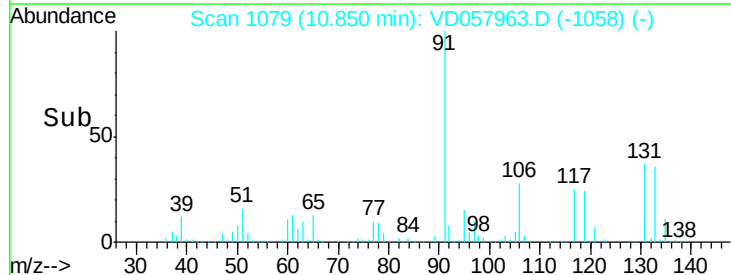
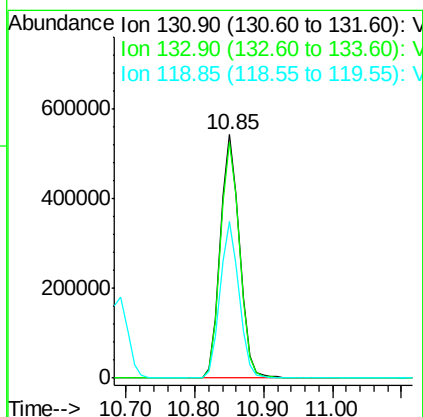
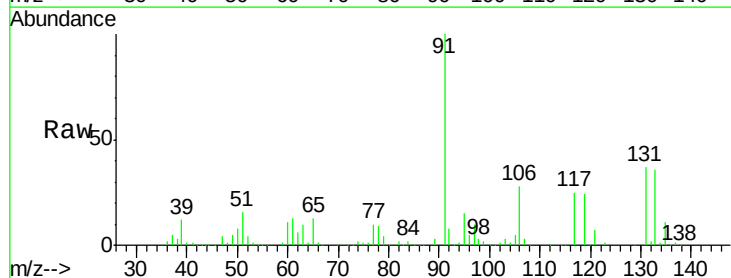
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

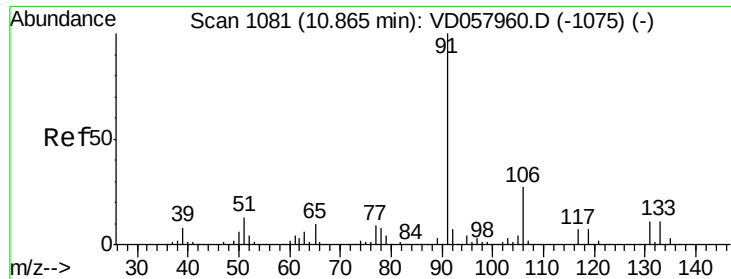
Tgt Ion:112 Resp: 2705322
Ion Ratio Lower Upper
112 100
114 32.3 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 131.43 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion:131 Resp: 1048325
Ion Ratio Lower Upper
131 100
133 96.9 46.9 140.6
119 64.1 31.8 95.3

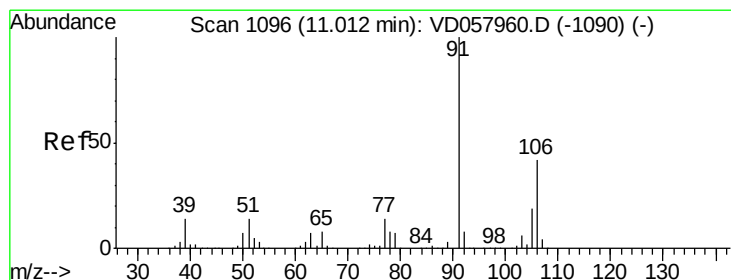
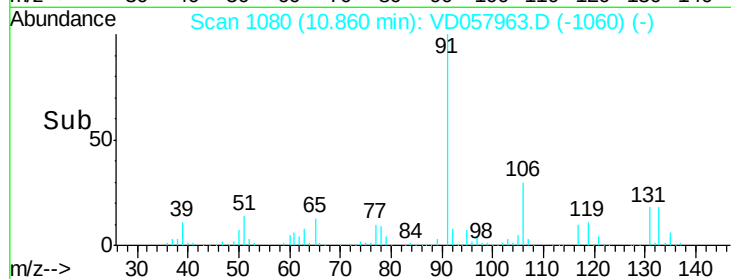
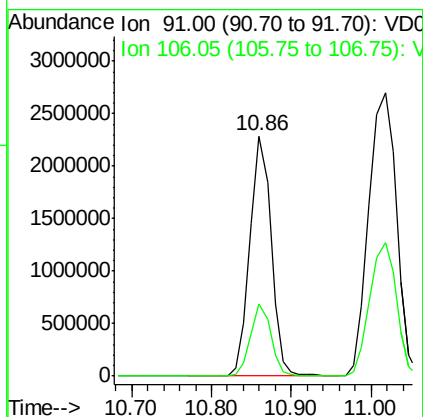
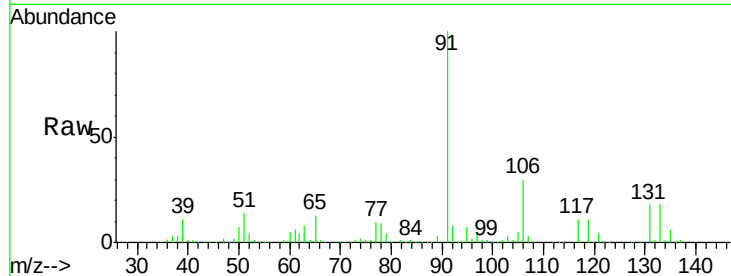




#67
Ethyl Benzene
Concen: 112.13 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

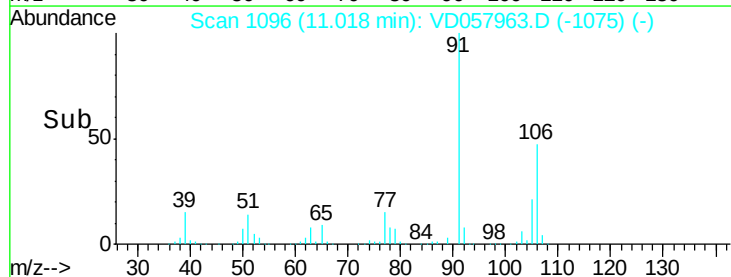
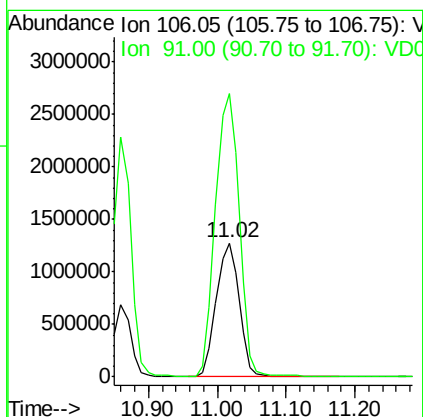
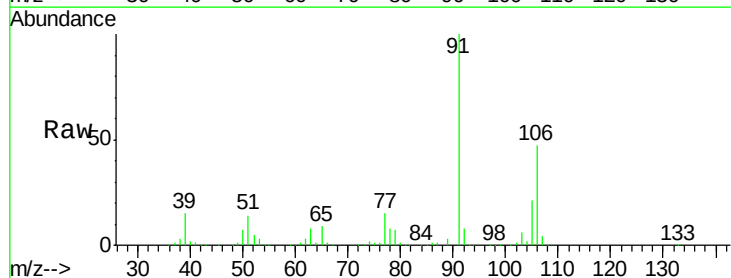
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

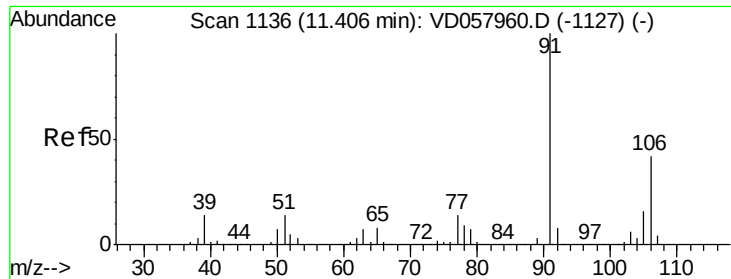
Tgt Ion: 91 Resp: 4205765
Ion Ratio Lower Upper
91 100
106 30.2 21.5 32.3



#68
m/p-Xylenes
Concen: 239.95 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 106 Resp: 2933922
Ion Ratio Lower Upper
106 100
91 211.9 190.4 285.6

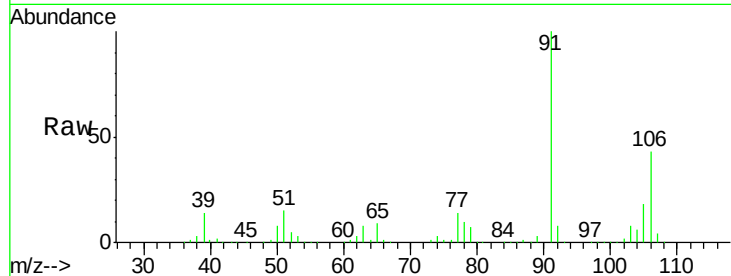




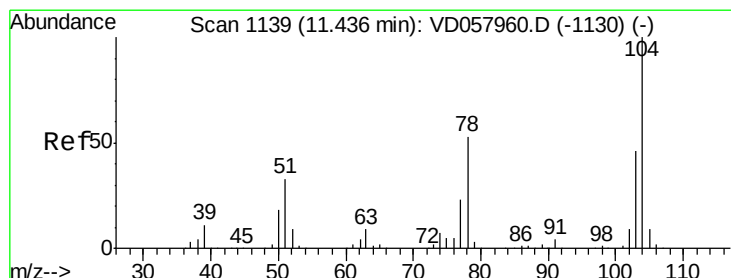
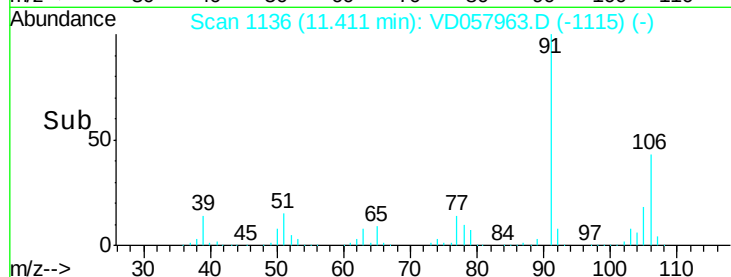
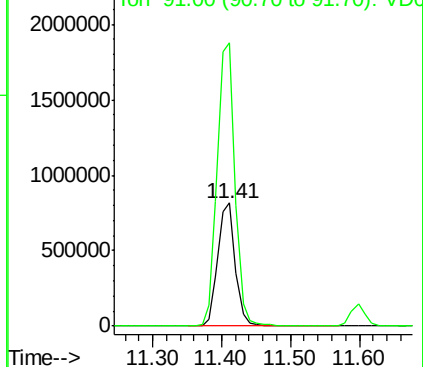
#69
o-Xylene
Concen: 117.50 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1426097
Ion Ratio Lower Upper
106 100
91 230.0 120.6 361.7

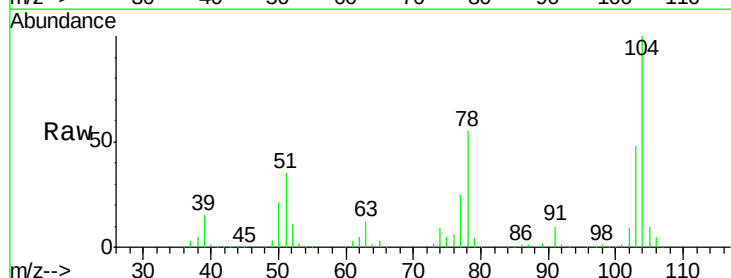


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

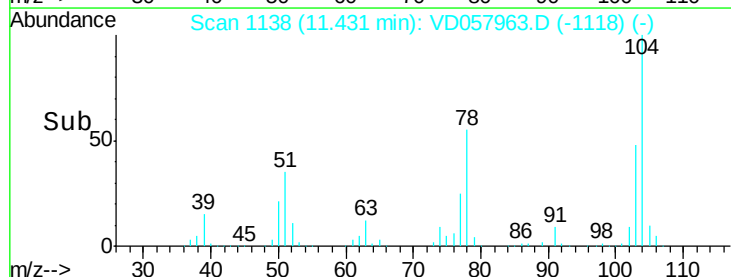
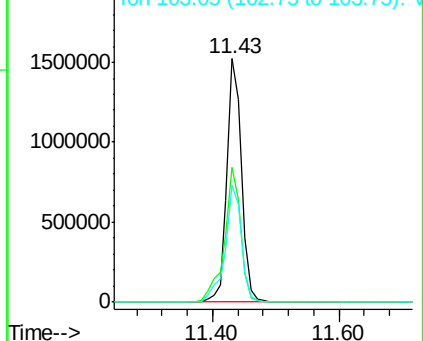


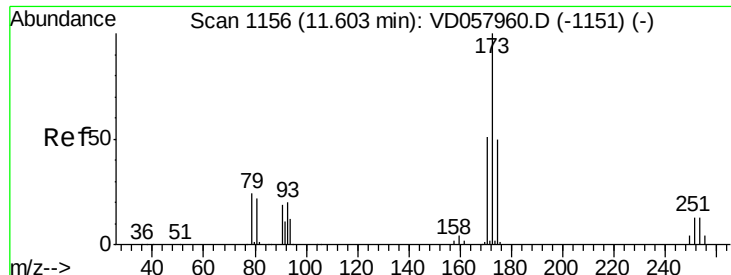
#70
Styrene
Concen: 121.35 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion:104 Resp: 2438124
Ion Ratio Lower Upper
104 100
78 55.3 42.1 63.1
103 48.0 37.0 55.6



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





#71

Bromoform

Concen: 164.35 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

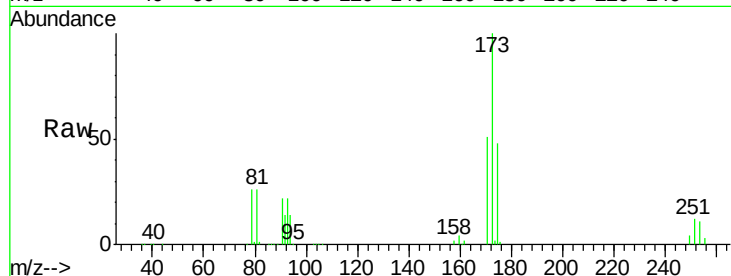
Tgt Ion:173 Resp: 986159

Ion Ratio Lower Upper

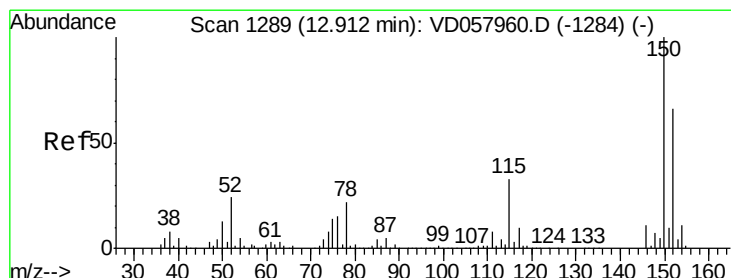
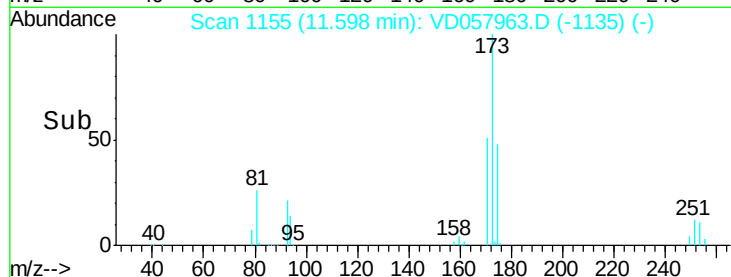
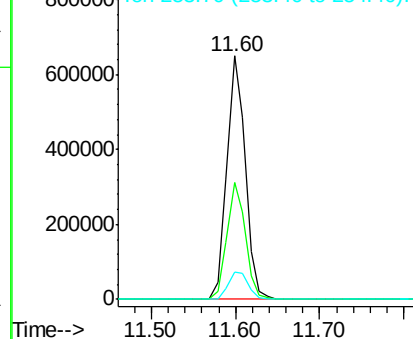
173 100

175 48.1 25.1 75.2

254 11.3 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# 1288

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

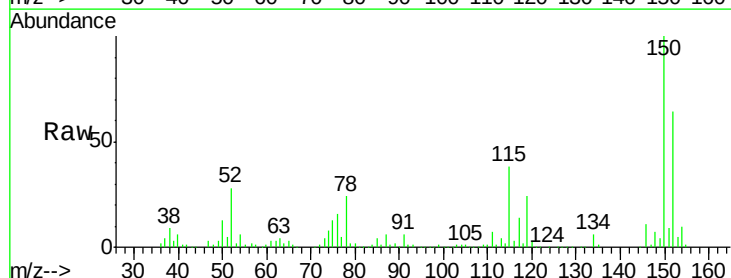
Tgt Ion:152 Resp: 475830

Ion Ratio Lower Upper

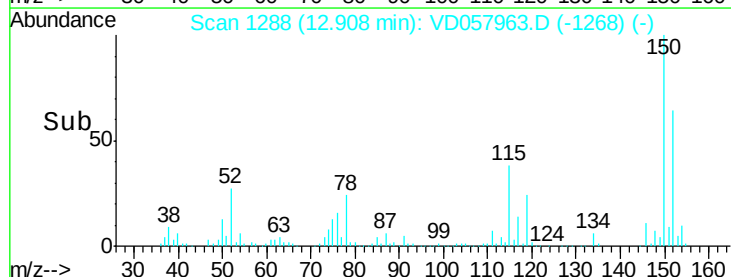
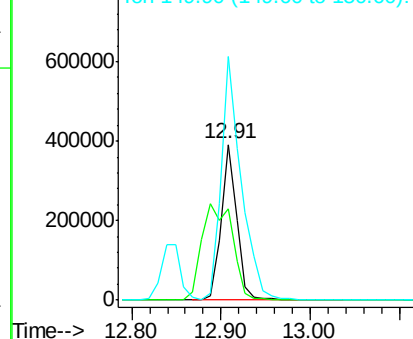
152 100

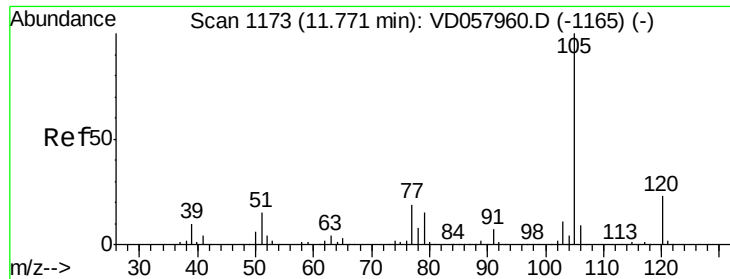
115 58.9 25.6 76.6

150 156.6 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: 138.30 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

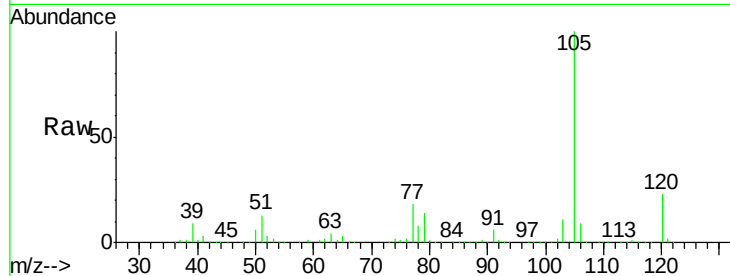
VSTDIC150

Tgt Ion:105 Resp: 4358686

Ion Ratio Lower Upper

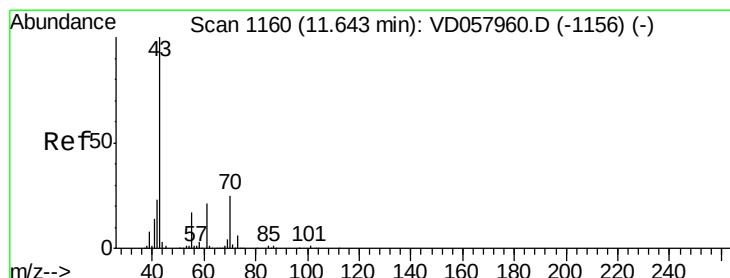
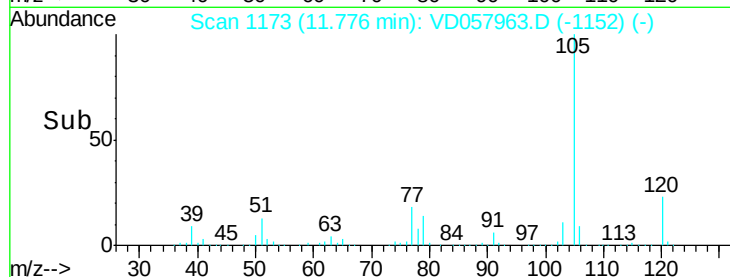
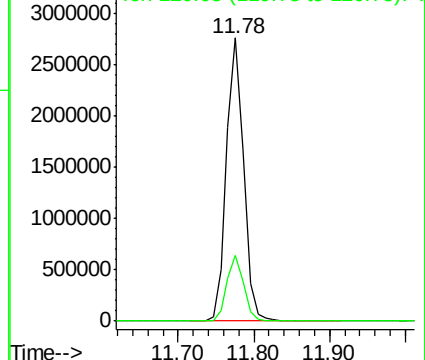
105 100

120 23.1 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 150.99 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Tgt Ion: 43 Resp: 1836225

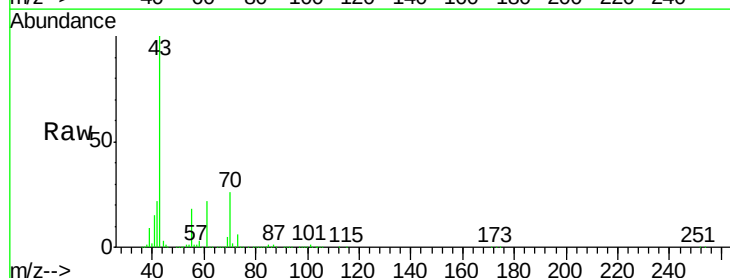
Ion Ratio Lower Upper

43 100

70 26.3 20.3 30.5

55 18.2 13.9 20.9

61 22.3 16.6 24.8

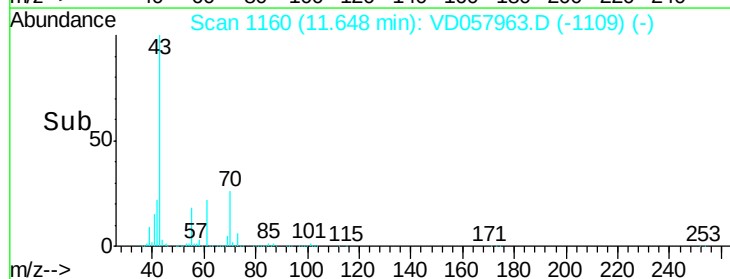
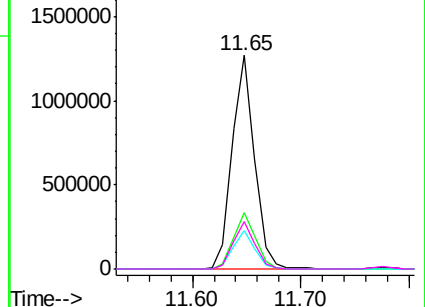


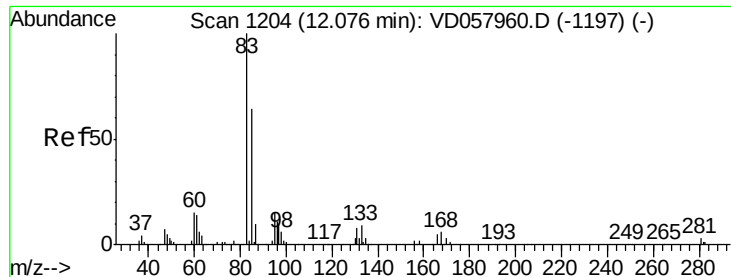
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 139.19 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

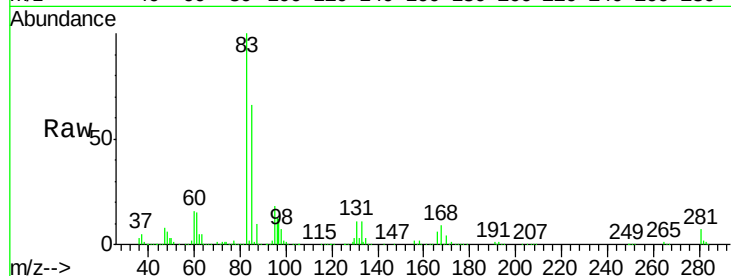
Tgt Ion: 83 Resp: 956429

Ion Ratio Lower Upper

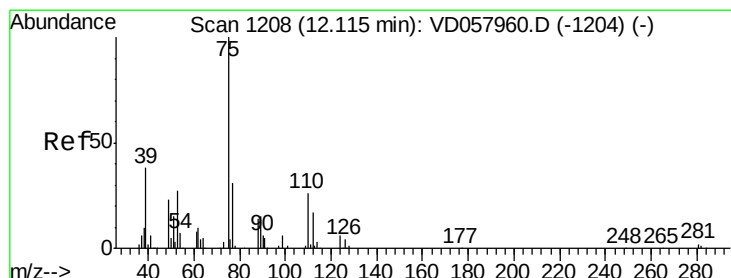
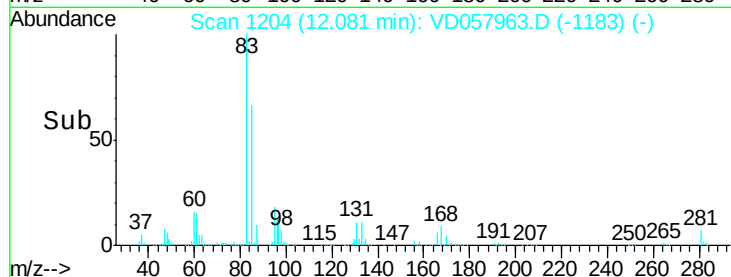
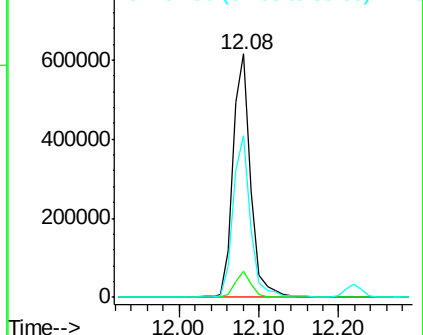
83 100

131 10.7 4.2 12.6

85 66.3 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: 142.54 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD057963.D

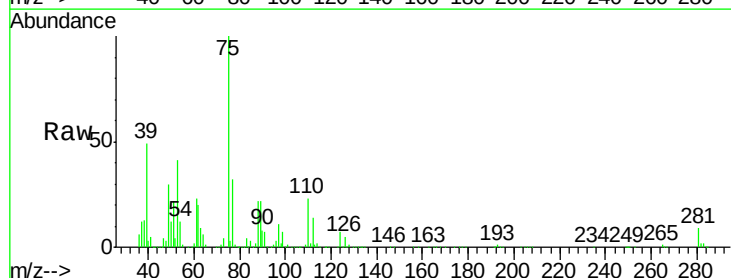
Acq: 6 Jun 2018 20:43

Tgt Ion: 75 Resp: 1018857

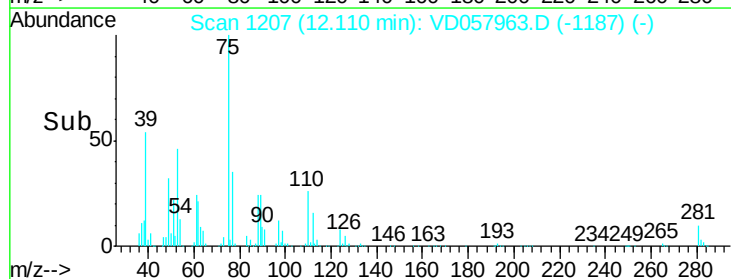
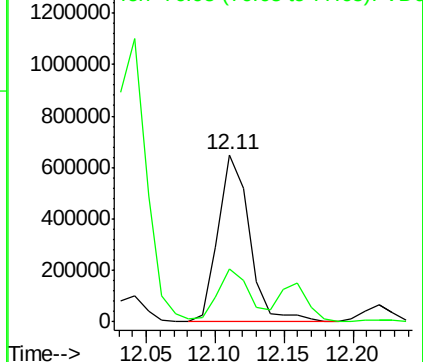
Ion Ratio Lower Upper

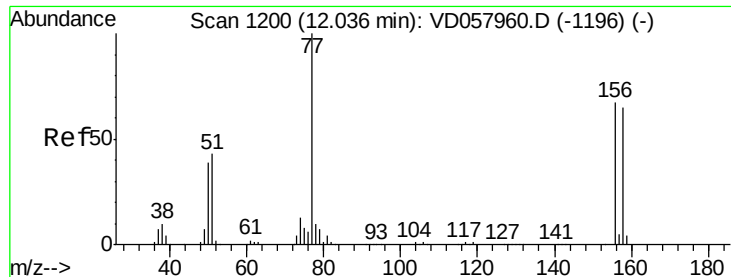
75 100

77 31.8 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: 141.86 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

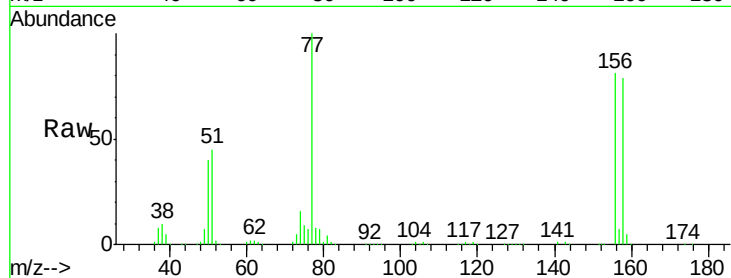
Tgt Ion:156 Resp: 1323423

Ion Ratio Lower Upper

156 100

77 124.0 75.0 224.8

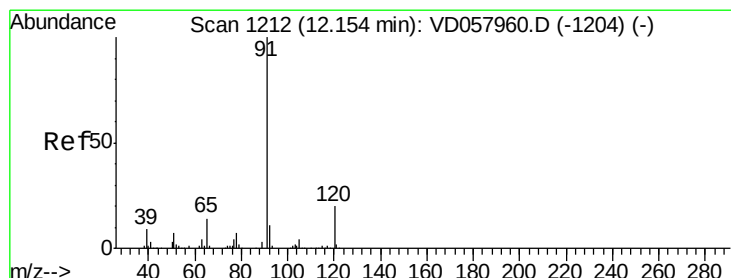
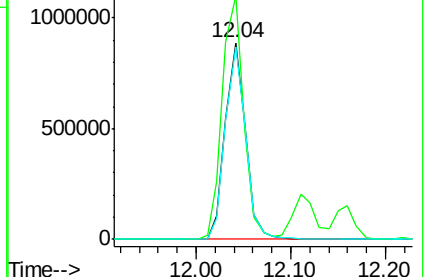
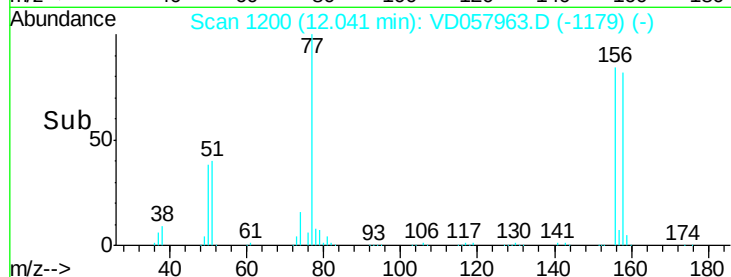
158 98.3 48.6 145.9



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: 121.59 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD057963.D

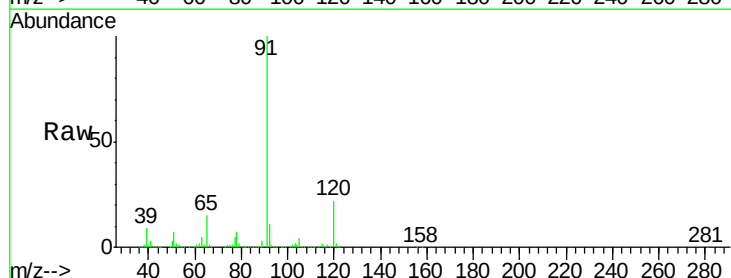
Acq: 6 Jun 2018 20:43

Tgt Ion: 91 Resp: 4986406

Ion Ratio Lower Upper

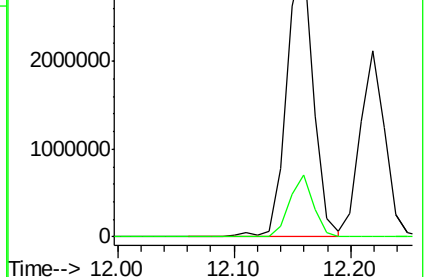
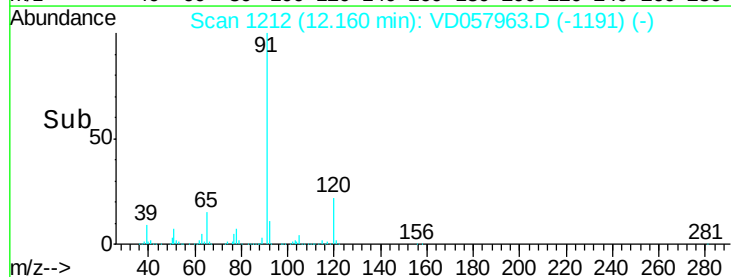
91 100

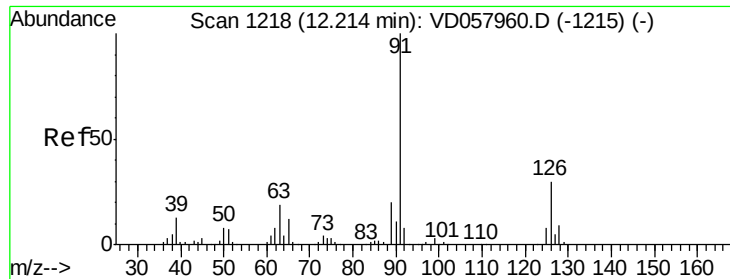
120 22.0 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

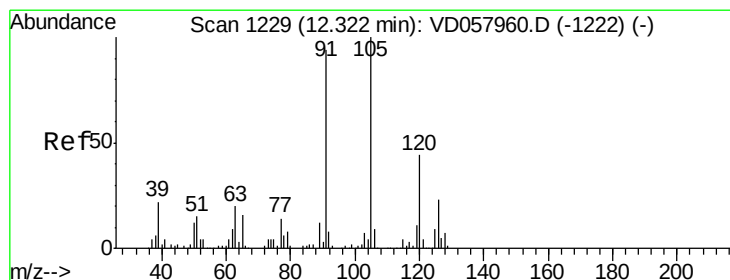
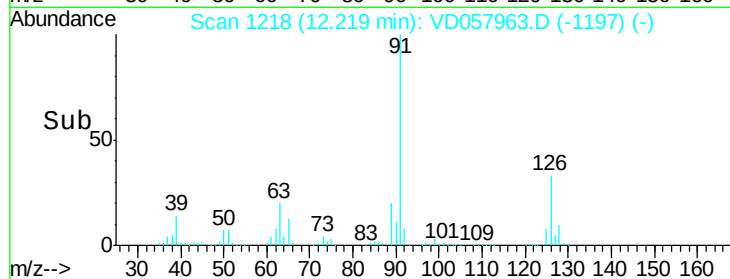
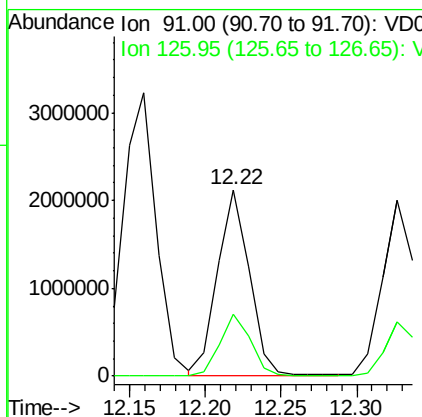
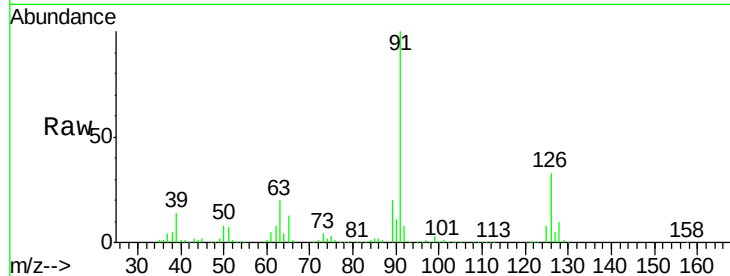




#79
 2-Chlorotoluene
 Concen: 132.42 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

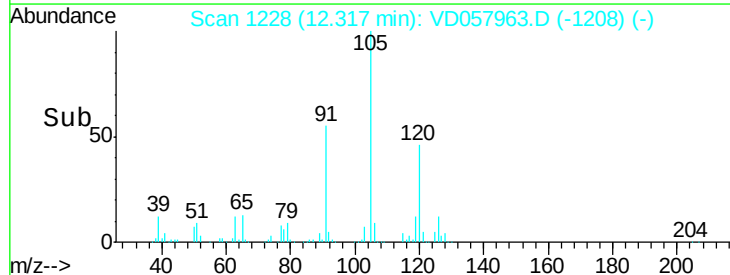
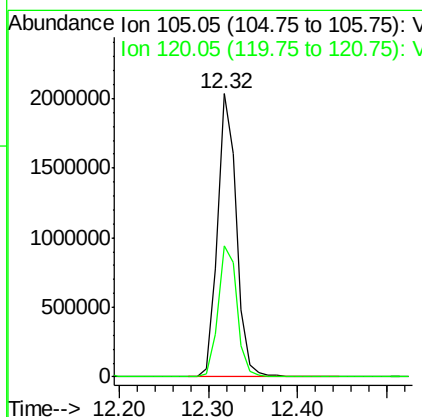
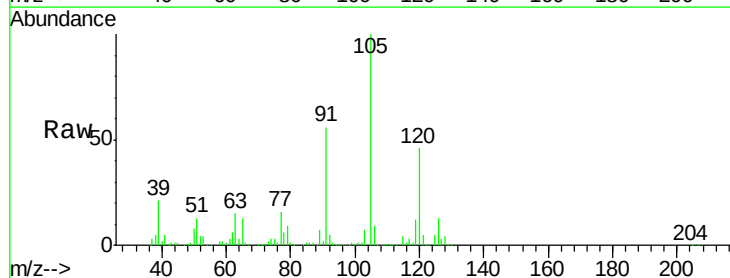
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

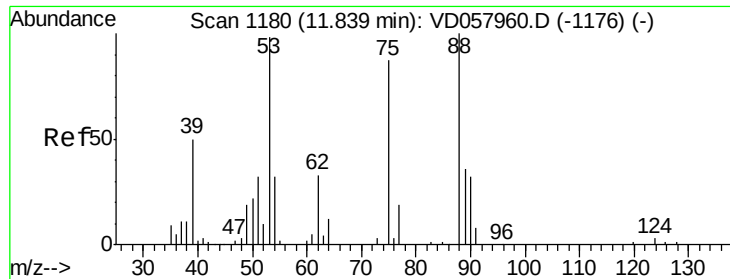
Tgt Ion: 91 Resp: 3098030
 Ion Ratio Lower Upper
 91 100
 126 33.4 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 99.22 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Tgt Ion: 105 Resp: 2997241
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 169.88 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

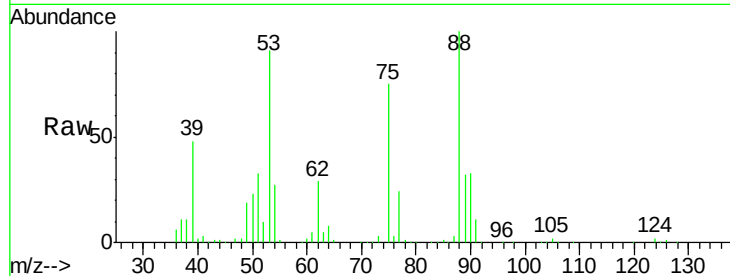
Tgt Ion: 75 Resp: 300757

Ion Ratio Lower Upper

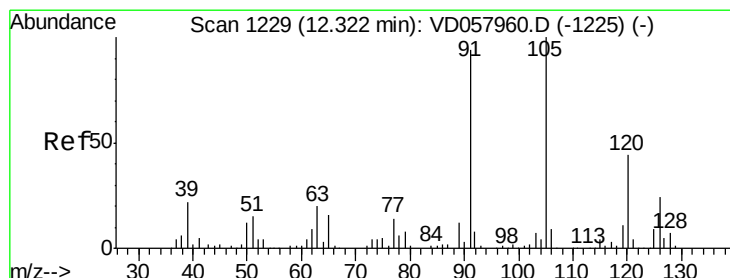
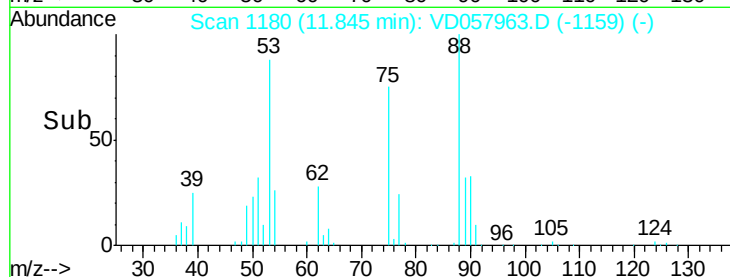
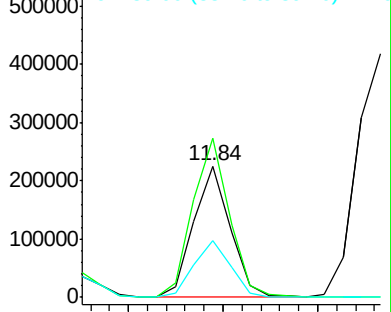
75 100

53 121.4 89.3 133.9

89 43.0 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: 117.56 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD057963.D

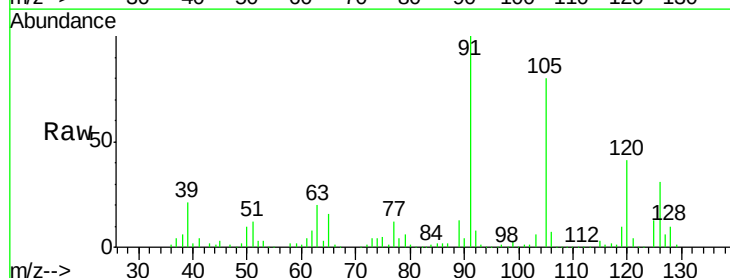
Acq: 6 Jun 2018 20:43

Tgt Ion: 91 Resp: 3004276

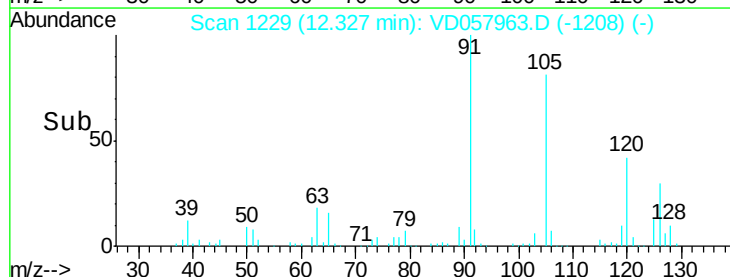
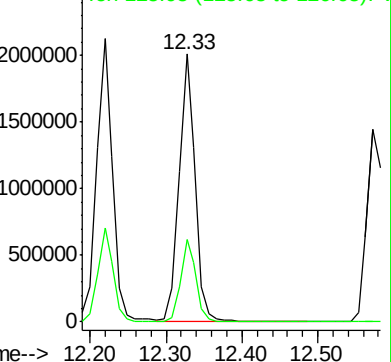
Ion Ratio Lower Upper

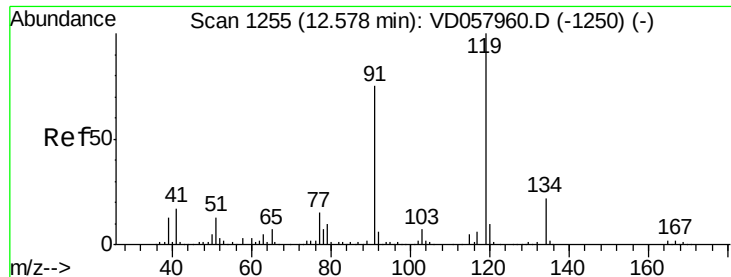
91 100

126 30.9 12.5 37.5



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

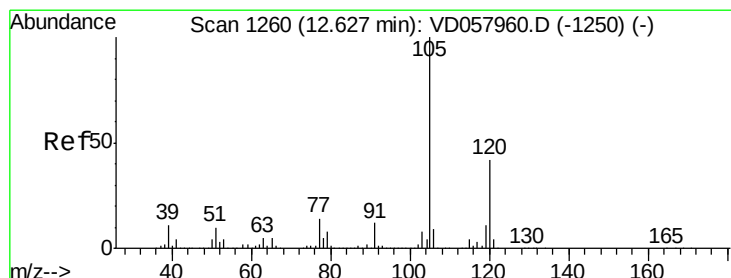
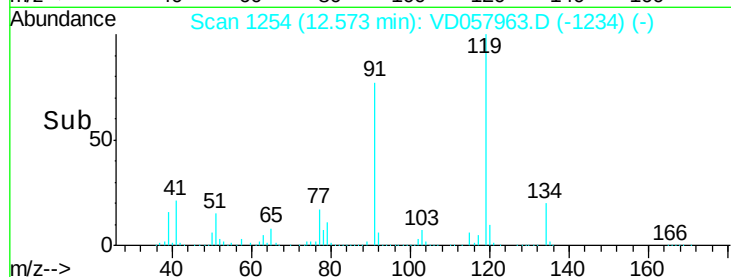
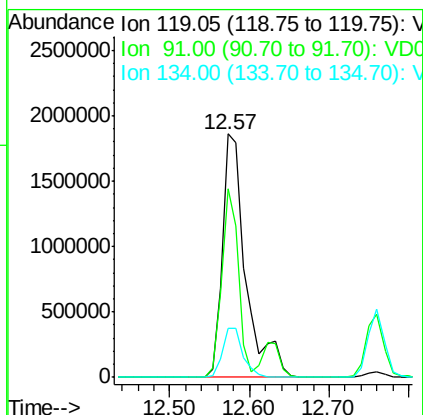
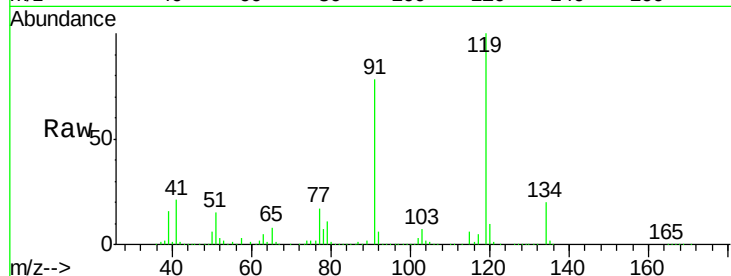




#83
 tert-Butylbenzene
 Concen: 139.65 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

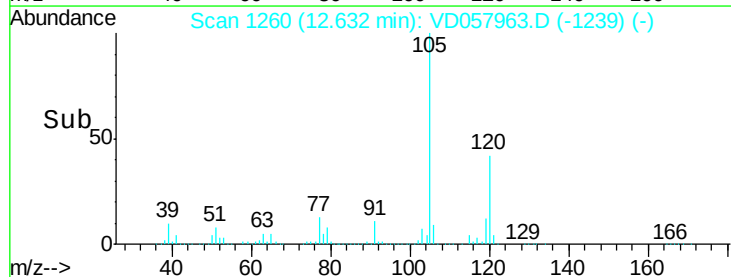
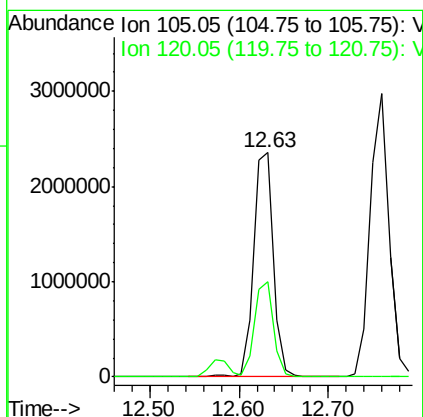
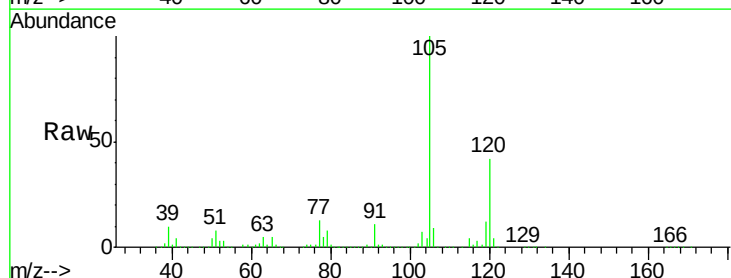
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

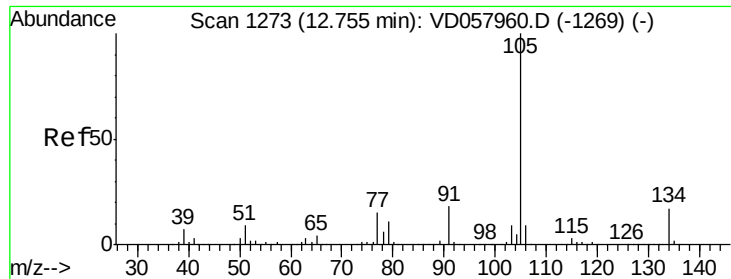
Tgt Ion:119 Resp: 3875692
 Ion Ratio Lower Upper
 119 100
 91 77.7 37.6 112.9
 134 20.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 134.51 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Tgt Ion:105 Resp: 3554853
 Ion Ratio Lower Upper
 105 100
 120 42.1 21.2 63.6

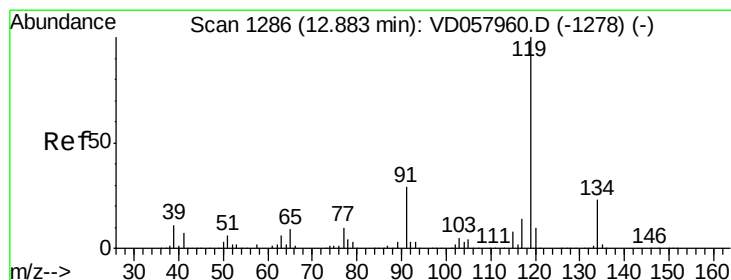
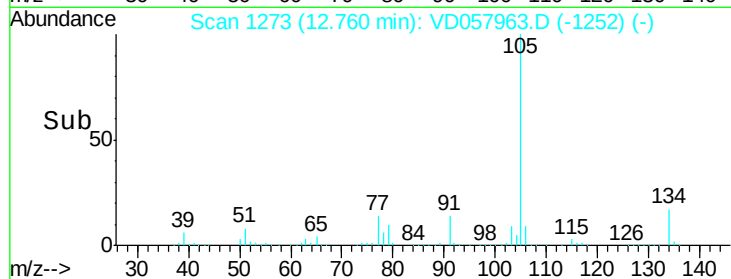
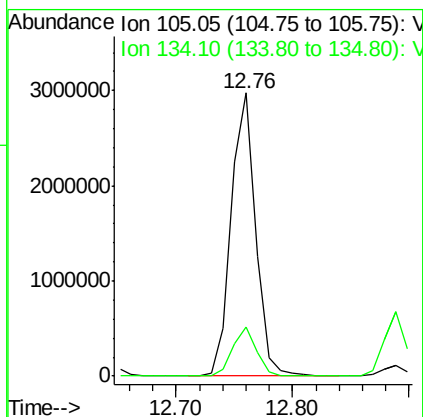
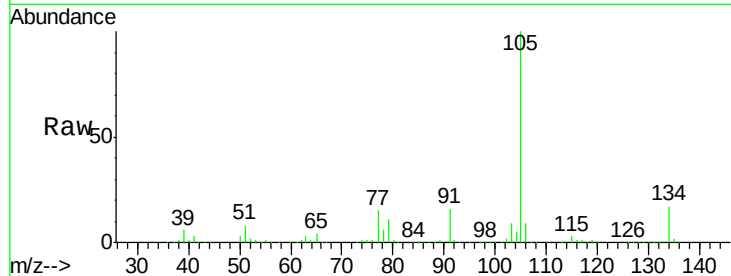




#85
 sec-Butylbenzene
 Concen: 128.18 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

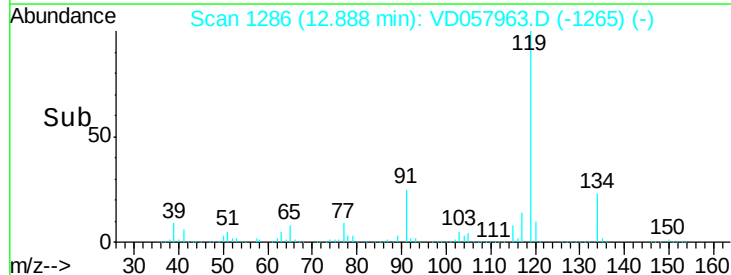
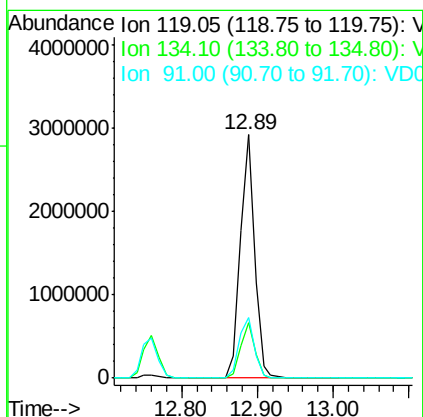
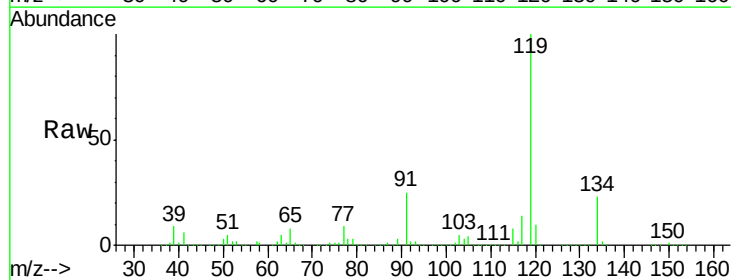
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

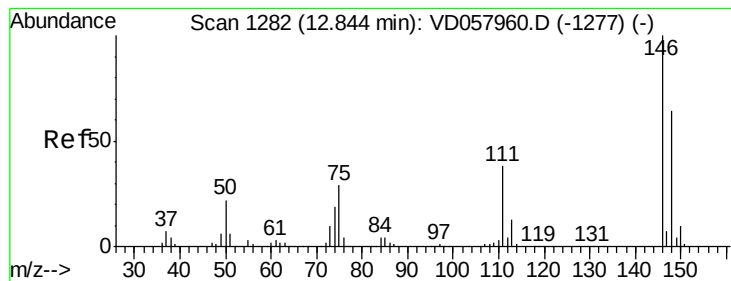
Tgt Ion:105 Resp: 4293136
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 138.59 ug/l
 RT: 12.89 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Tgt Ion:119 Resp: 3741174
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.5 34.4
 91 25.0 14.5 43.6





#87

1,3-Dichlorobenzene

Concen: 135.96 ug/l

RT: 12.84 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

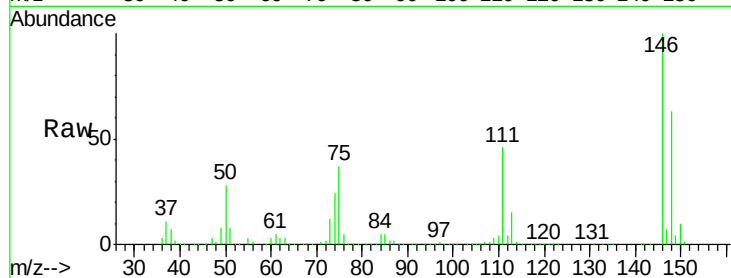
Tgt Ion:146 Resp: 2145618

Ion Ratio Lower Upper

146 100

111 45.5 19.1 57.3

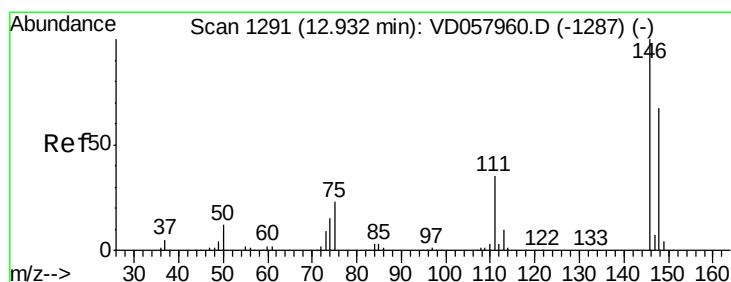
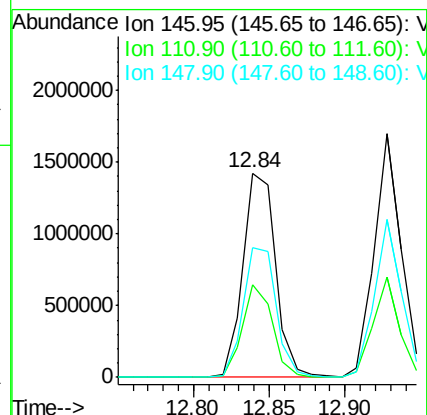
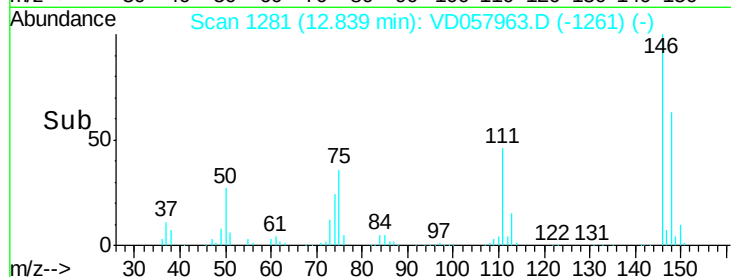
148 63.2 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 139.93 ug/l

RT: 12.93 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

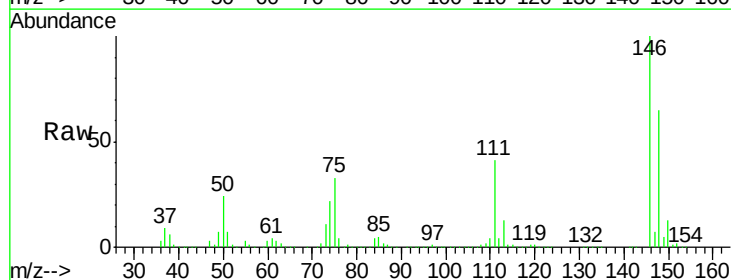
Tgt Ion:146 Resp: 2151549

Ion Ratio Lower Upper

146 100

111 41.0 17.3 52.0

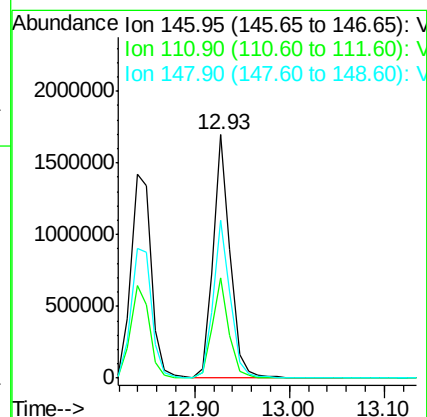
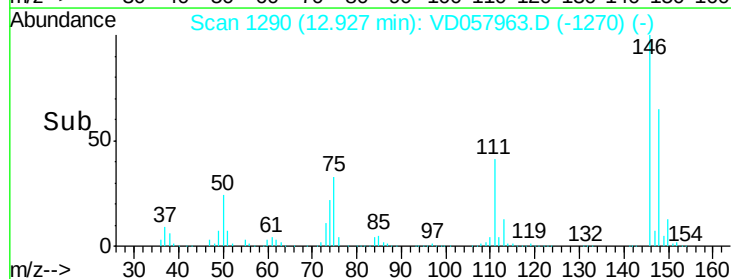
148 64.7 33.4 100.2

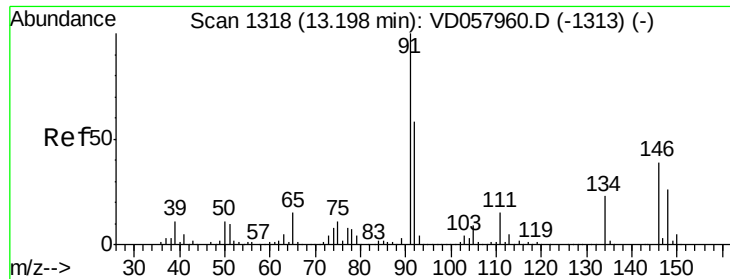


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

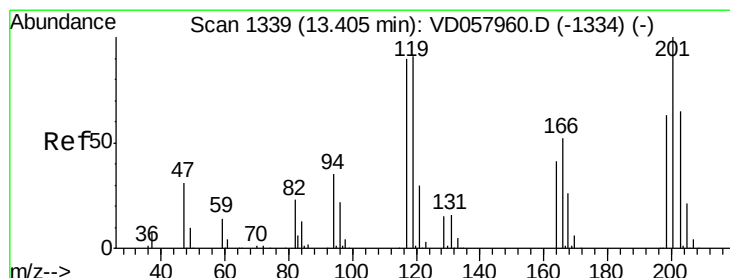
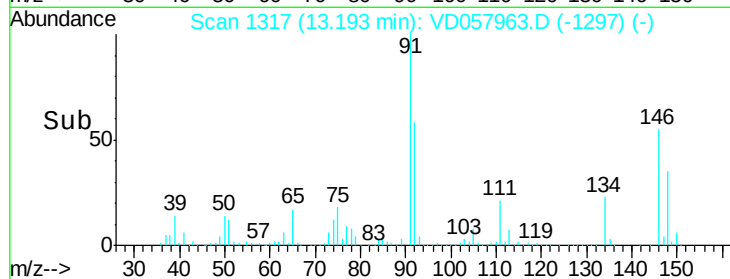
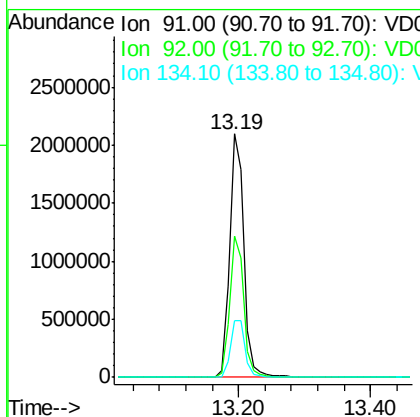
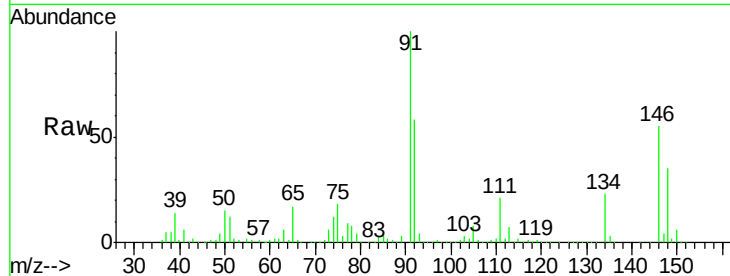




#89
n-Butylbenzene
Concen: 113.98 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

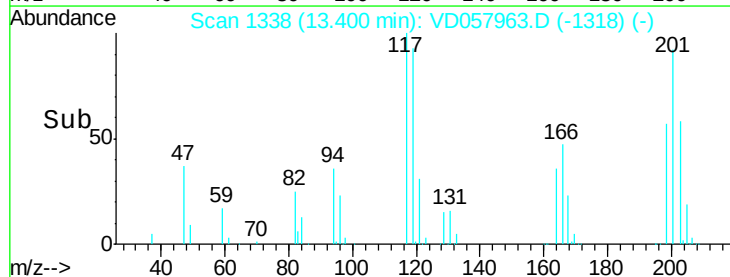
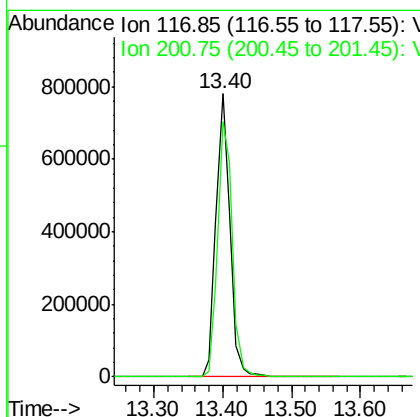
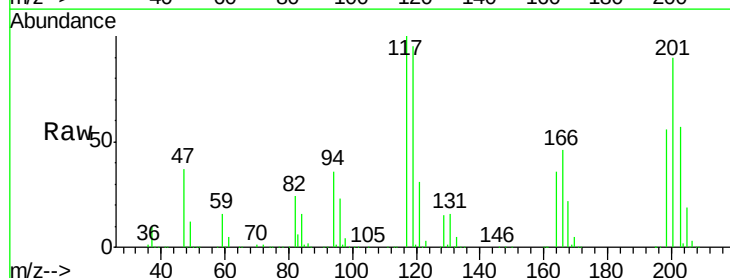
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

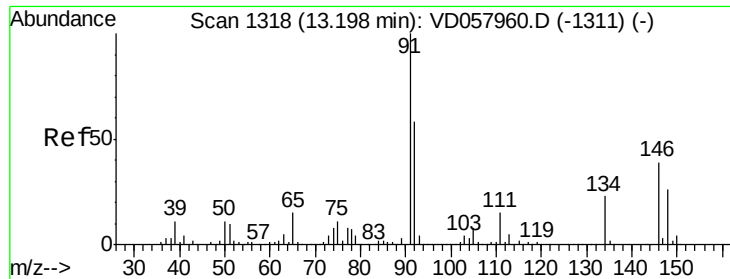
Tgt Ion: 91 Resp: 3166538
Ion Ratio Lower Upper
91 100
92 58.1 29.2 87.6
134 23.3 11.3 33.9



#90
Hexachloroethane
Concen: 159.03 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion: 117 Resp: 1095715
Ion Ratio Lower Upper
117 100
201 90.0 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 125.12 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

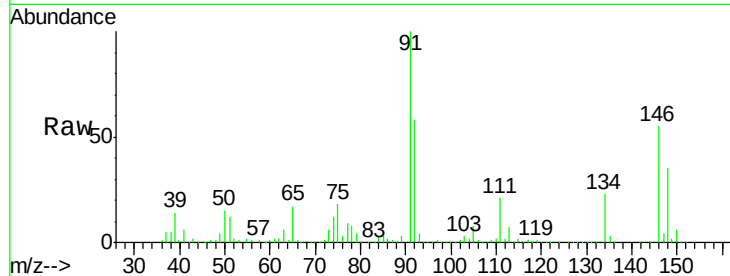
Tgt Ion:146 Resp: 1595721

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.2

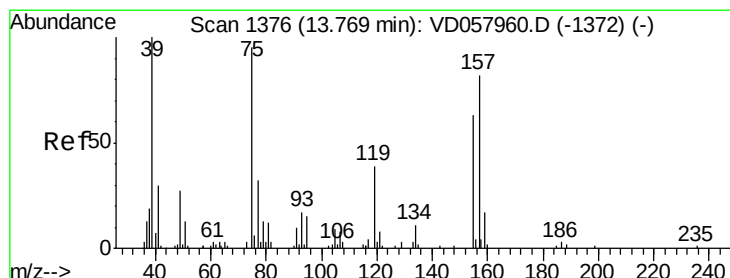
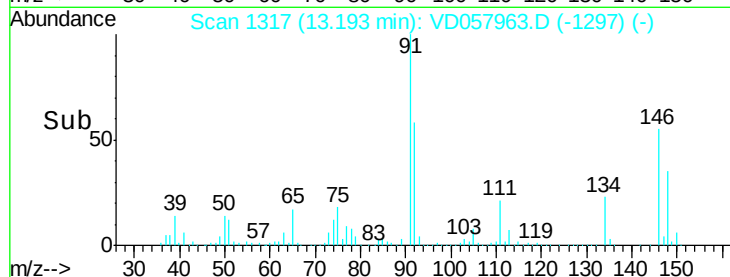
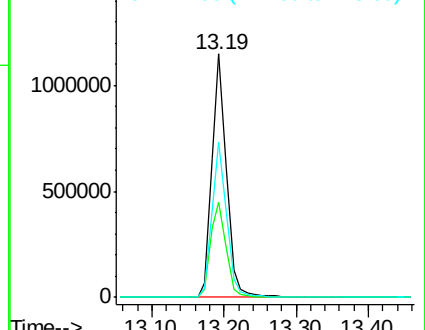
148 63.9 32.6 98.0



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: 172.89 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VD057963.D

Acq: 6 Jun 2018 20:43

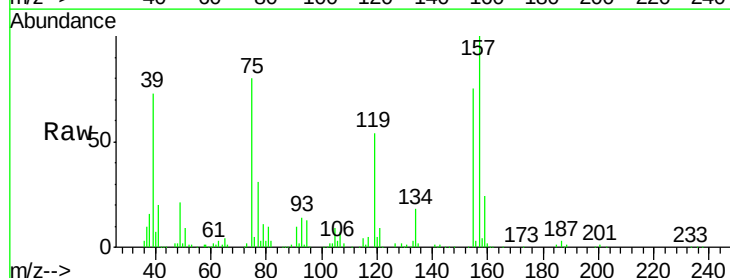
Tgt Ion: 75 Resp: 183353

Ion Ratio Lower Upper

75 100

155 94.3 33.4 100.1

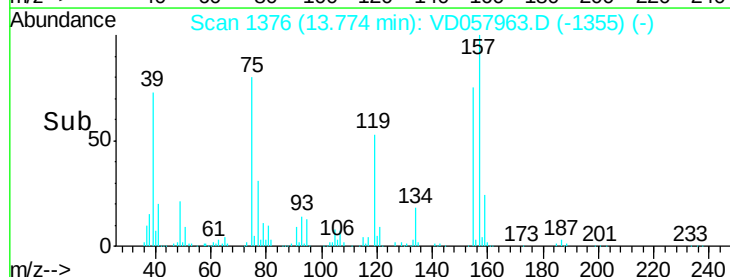
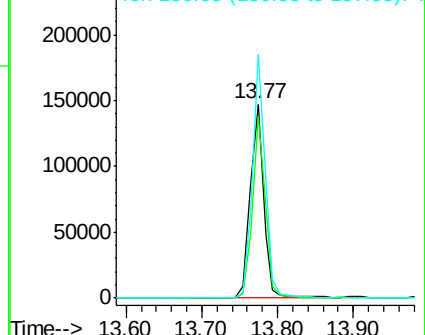
157 125.7 42.9 128.5

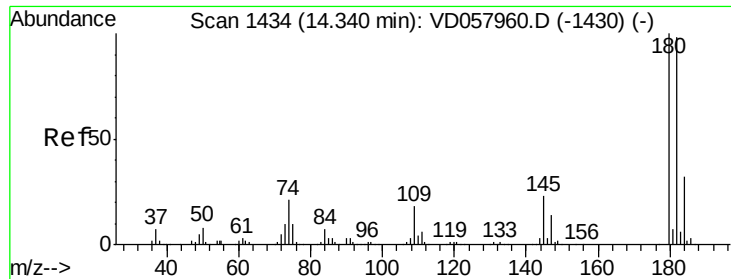


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

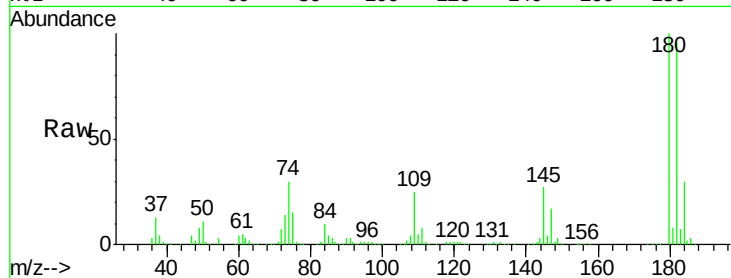




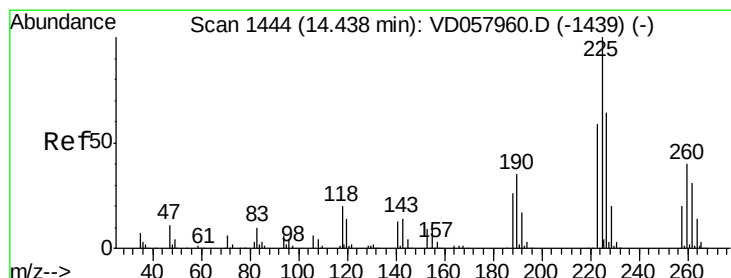
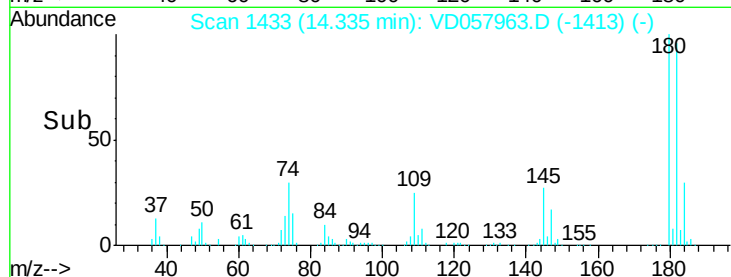
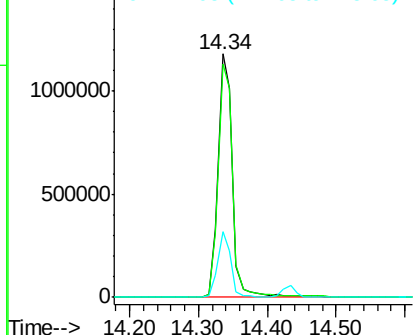
#93
 1,2,4-Trichlorobenzene
 Concen: 141.90 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1690654
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.0 147.2
 145 27.1 11.8 35.3

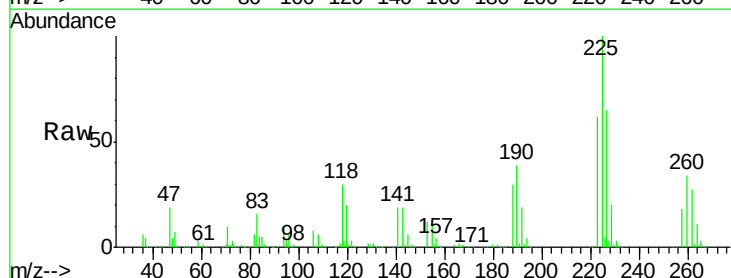


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

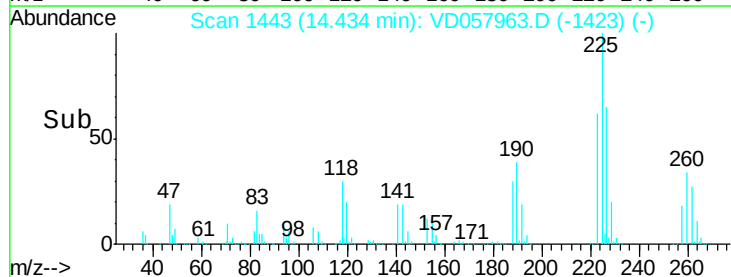
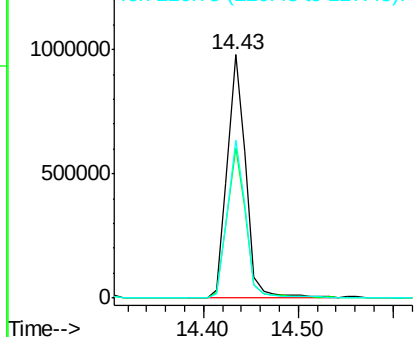


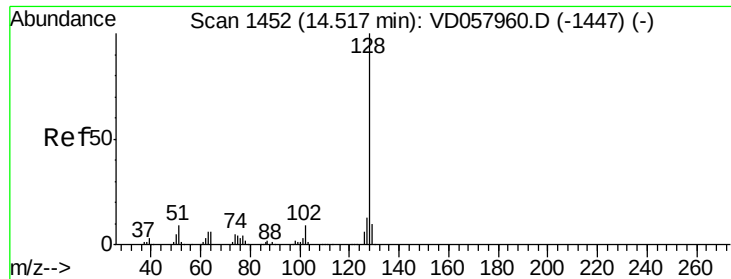
#94
 Hexachlorobutadiene
 Concen: 141.91 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Tgt Ion:225 Resp: 1329949
 Ion Ratio Lower Upper
 225 100
 223 61.6 29.5 88.6
 227 64.9 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

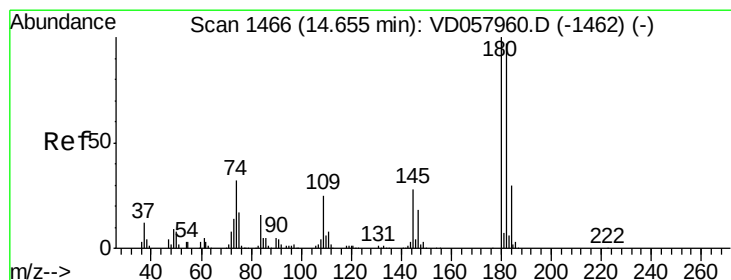
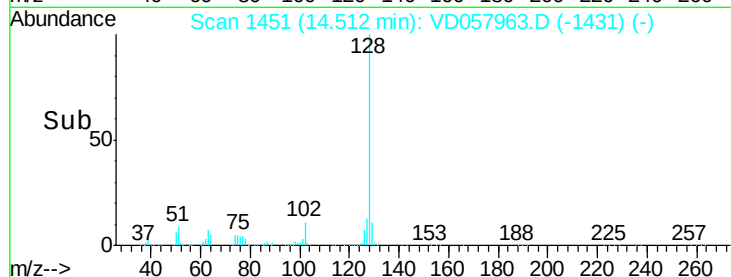
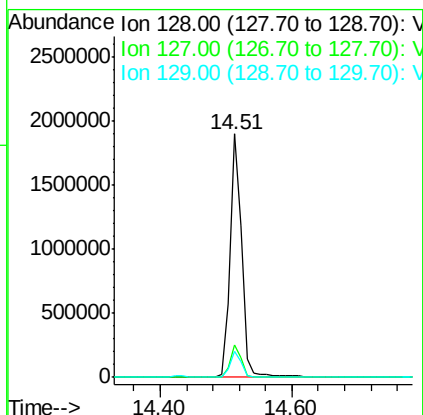
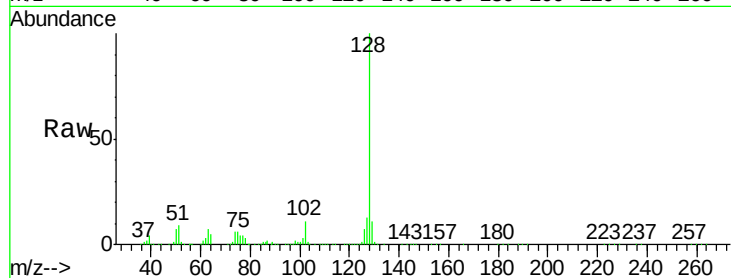




#95
Naphthalene
Concen: 153.57 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 2359201
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 10.9 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 142.35 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Tgt Ion:180 Resp: 1445381
Ion Ratio Lower Upper
180 100
182 96.9 48.5 145.5
145 26.3 14.2 42.8

