

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

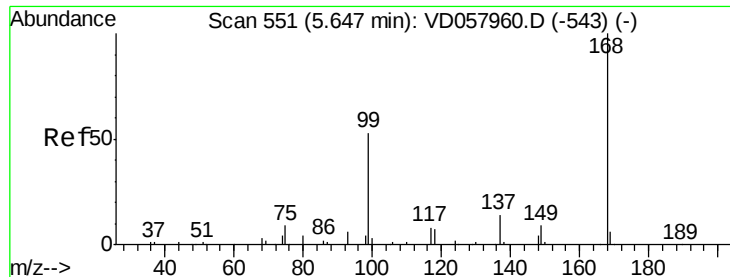
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

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 :

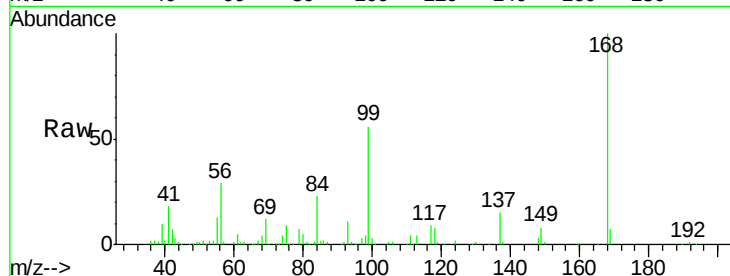
VSTDIC150

Tot Ion:168 Resp: 927265

Ion Ratio Lower Upper

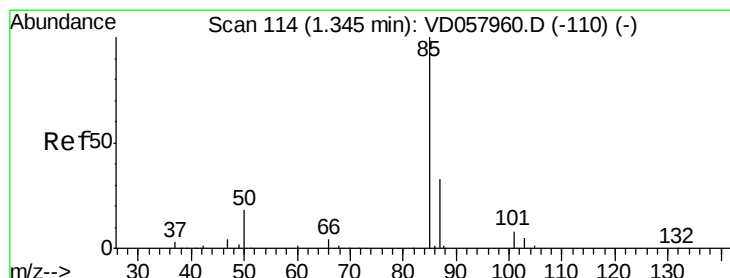
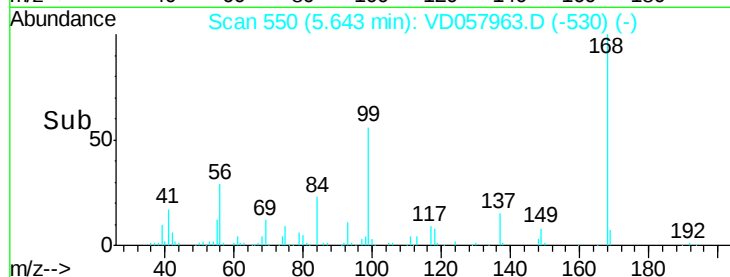
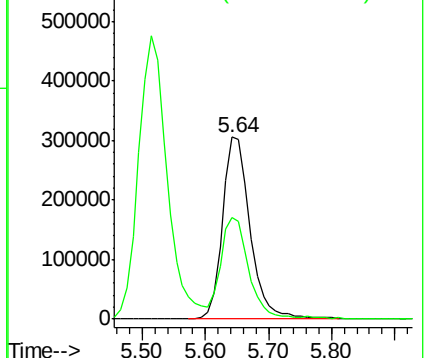
168 100

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

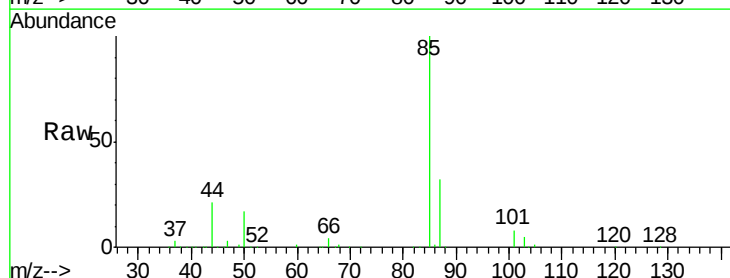
Acq: 6 Jun 2018 20:43

Tgt Ion: 85 Resp: 1677163

Ion Ratio Lower Upper

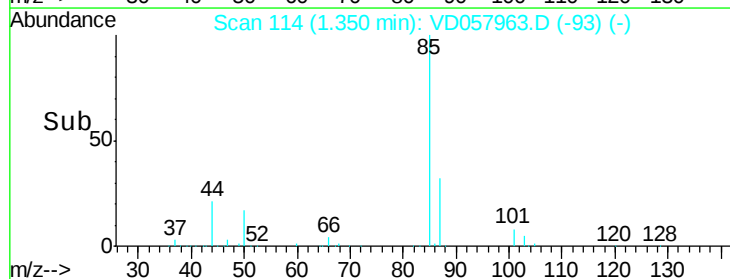
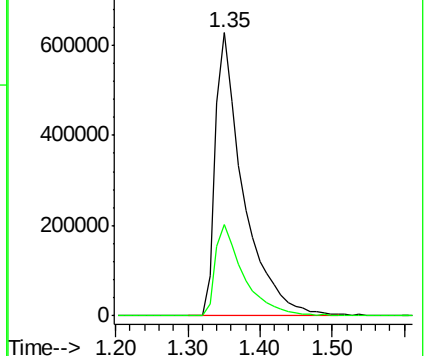
85 100

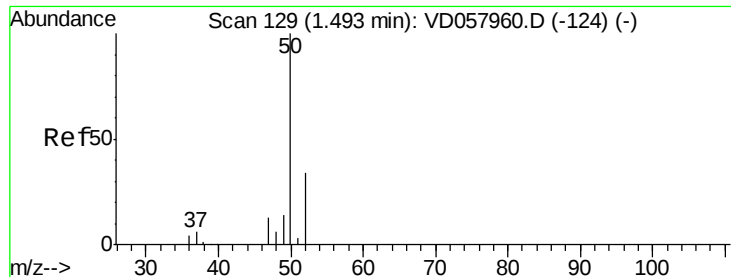
87 32.1 16.4 49.2



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 :

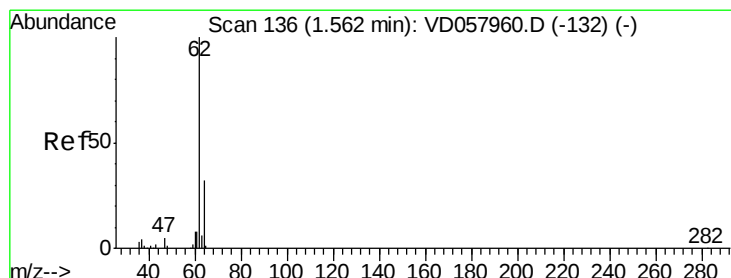
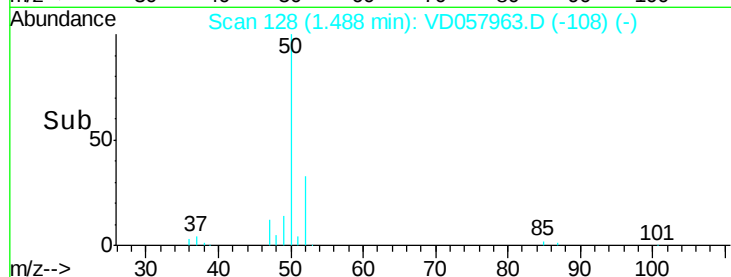
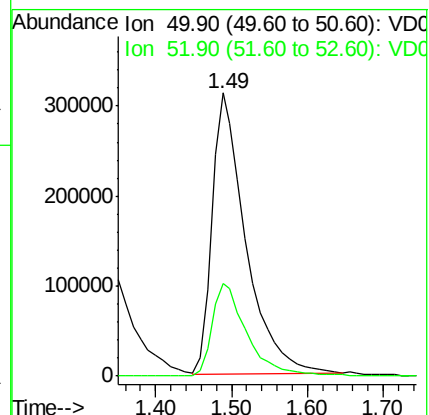
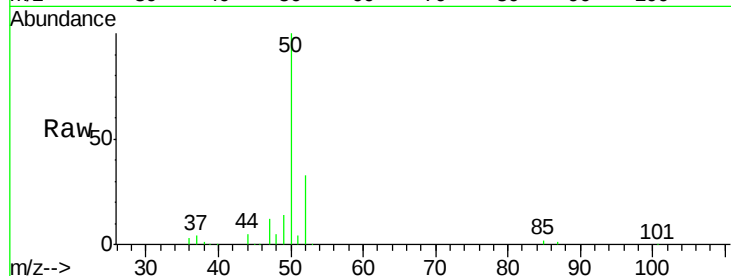
VSTDIC150

Tot Ion: 50 Resp: 968647

Ion Ratio Lower Upper

50 100

52 32.7 27.2 40.8



#4

Vinyl Chloride

Concen: 156.24 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD057963.D

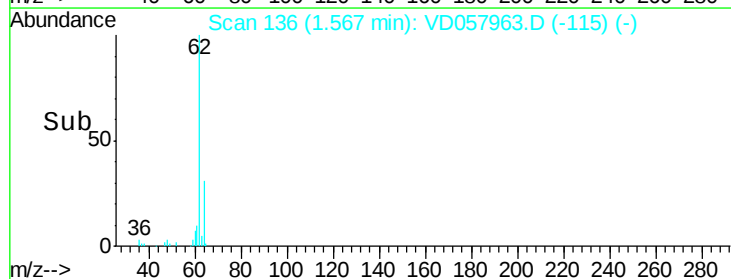
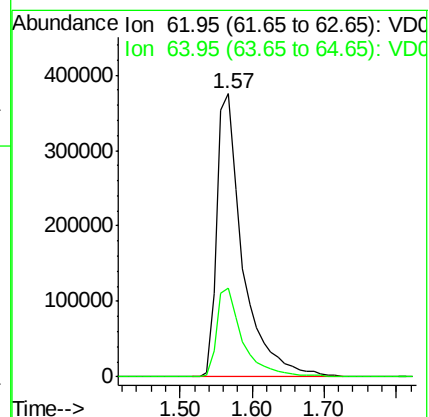
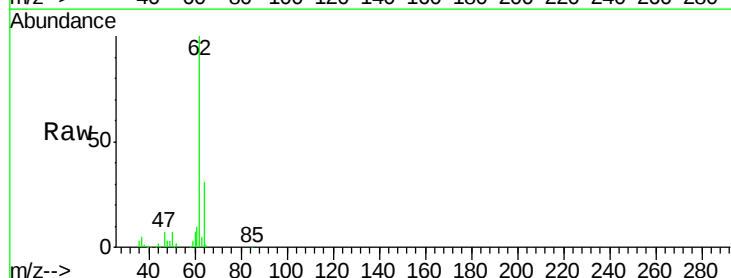
Acq: 6 Jun 2018 20:43

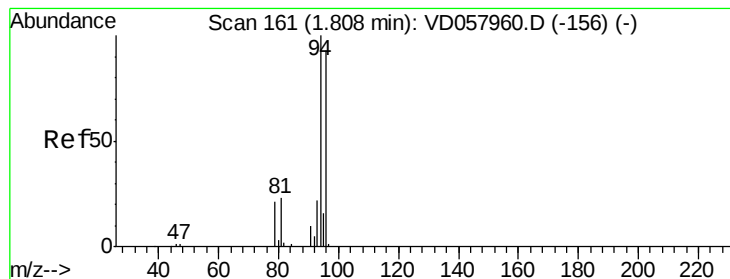
Tgt Ion: 62 Resp: 926990

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#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 :

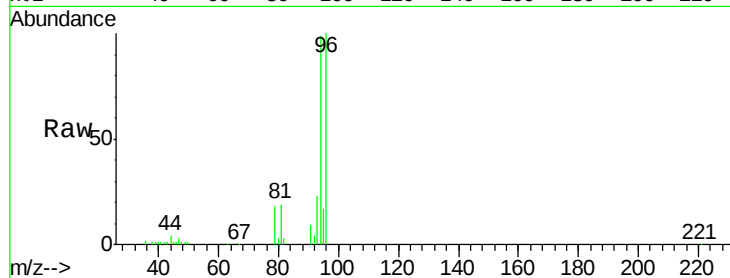
VSTDIC150

Tot 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

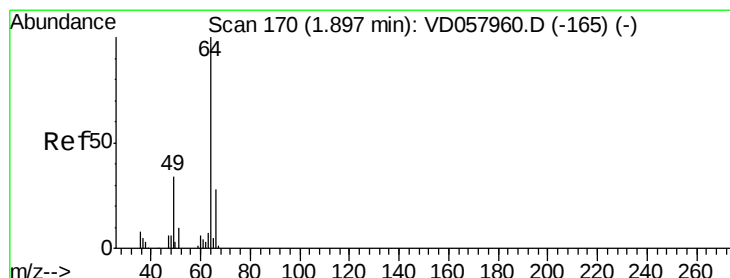
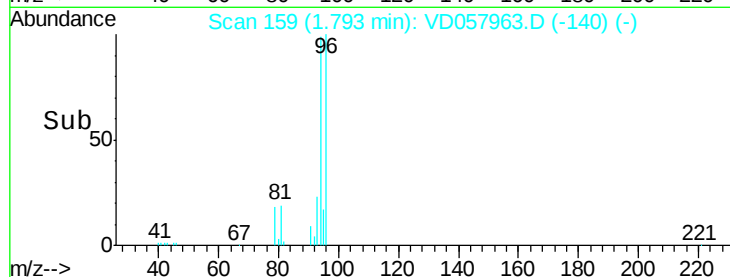
60000

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

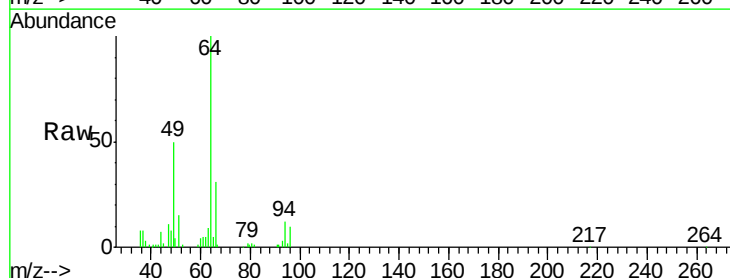
Acq: 6 Jun 2018 20:43

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

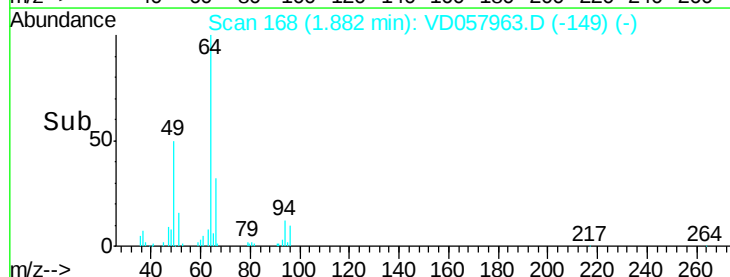
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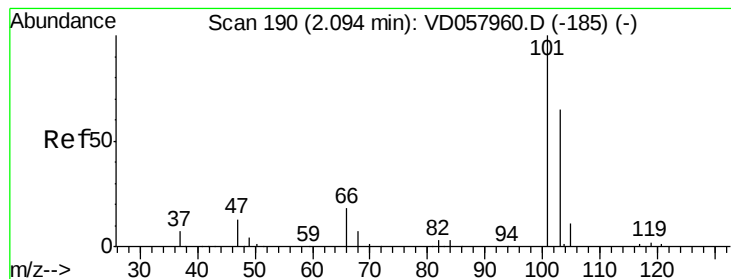
40000

20000

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Time-->



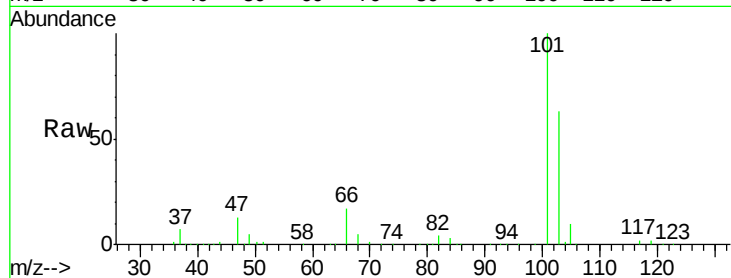


#7

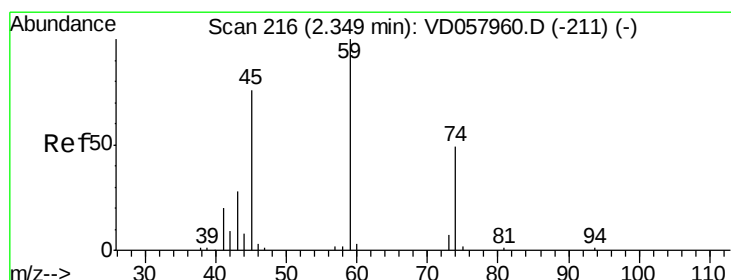
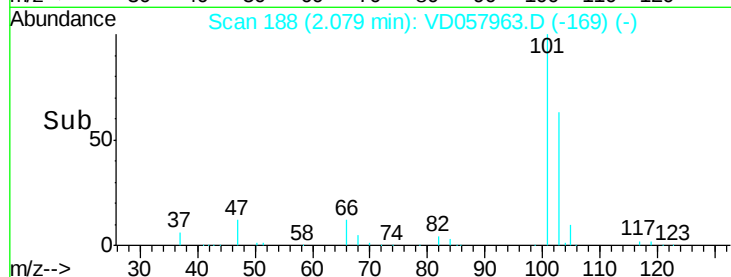
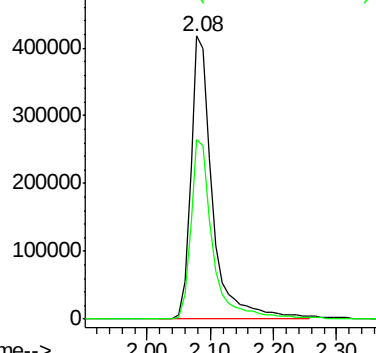
Trichlorofluoromethane
Concen: 123.98 ug/l
RT: 2.08 min Scan# 188
Delta R.T. -0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

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



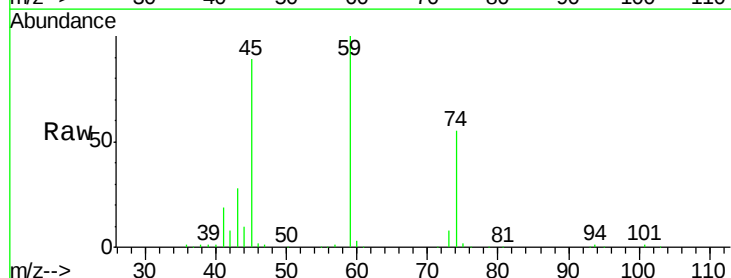
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



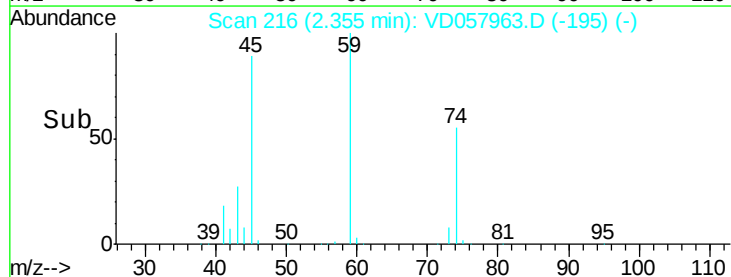
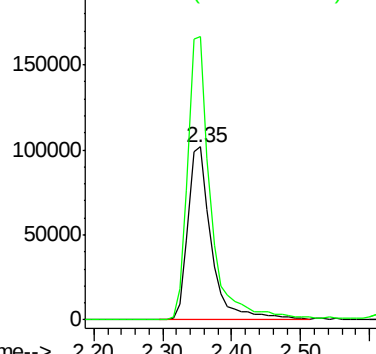
#8

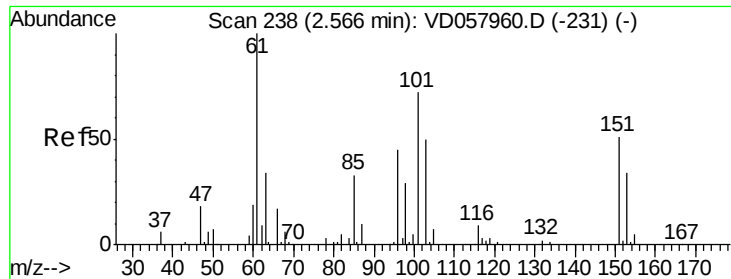
Diethyl Ether
Concen: 160.79 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

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

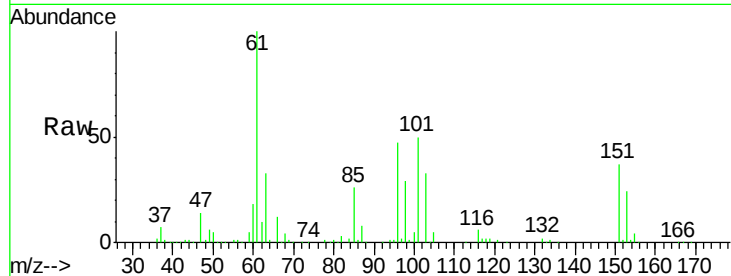
Tot Ion:101 Resp: 673188

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

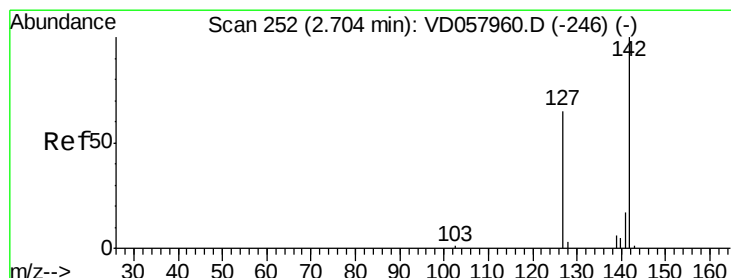
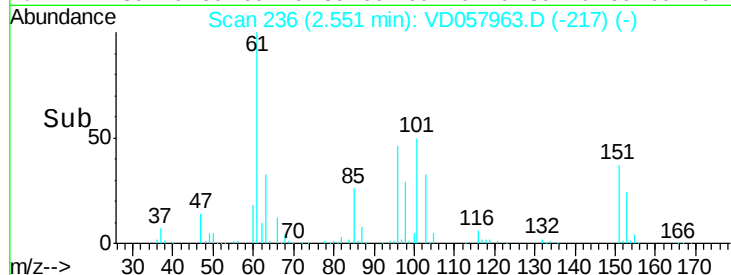
100000

50000

0

Time-->

2.40 2.50 2.60 2.70 2.80



#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

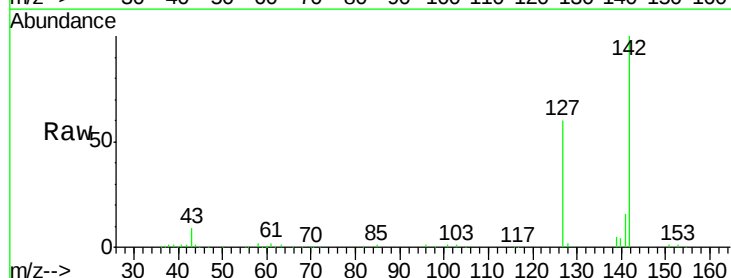
Tgt Ion:142 Resp: 1093375

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

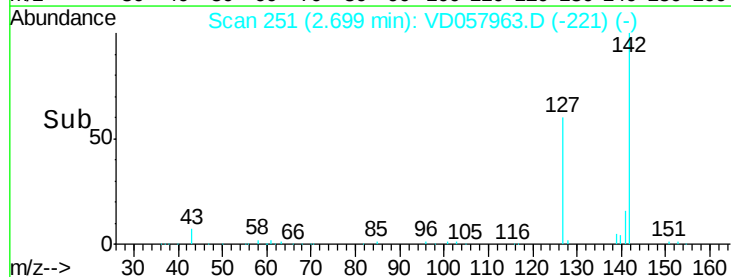
200000

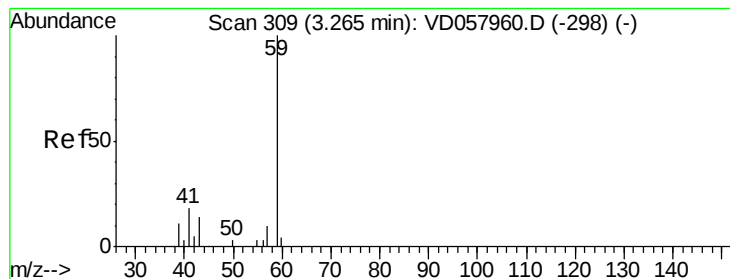
100000

0

Time-->

2.60 2.80 3.00





#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 :

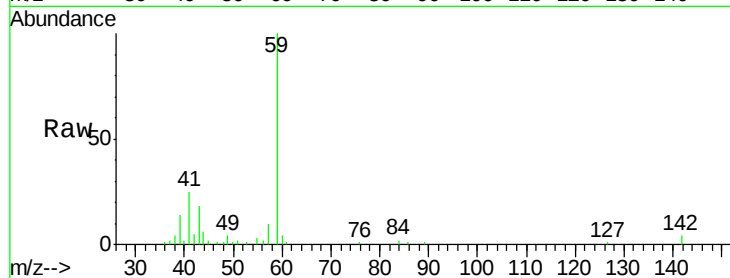
VSTDIC150

Tot Ion: 59 Resp: 176247

Ion Ratio Lower Upper

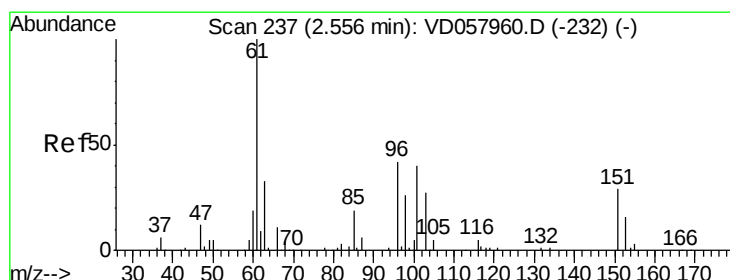
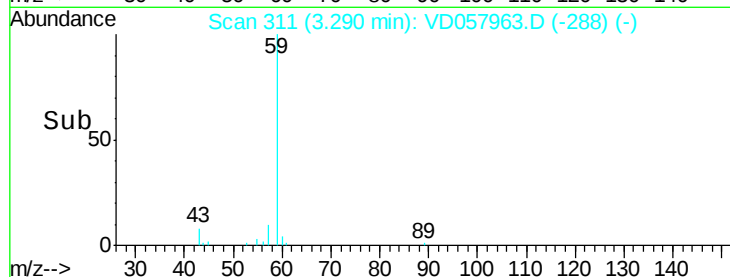
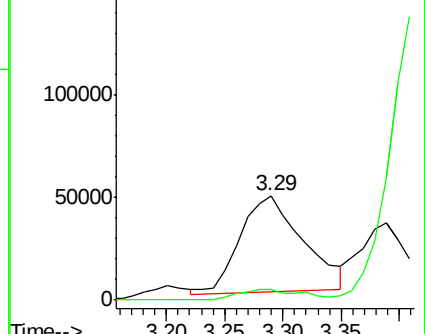
59 100

57 10.2 7.8 11.6



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#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

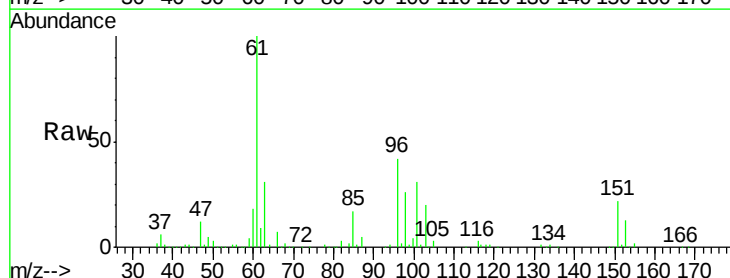
Tgt Ion: 96 Resp: 534392

Ion Ratio Lower Upper

96 100

61 238.2 190.2 285.4

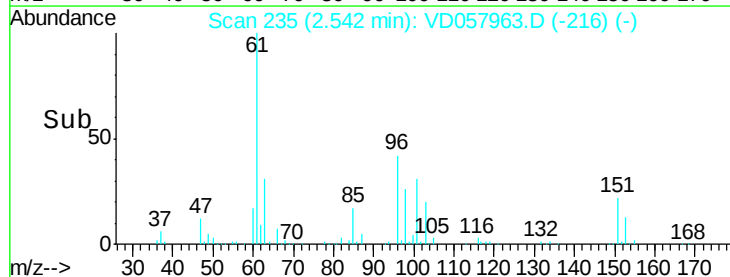
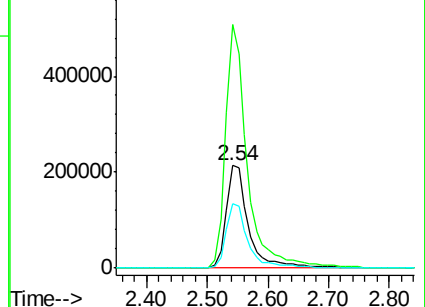
98 62.4 49.6 74.4

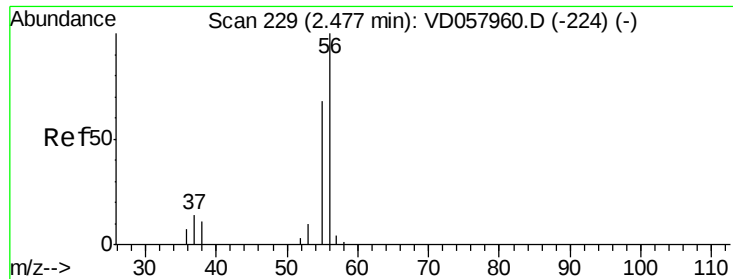


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 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 :

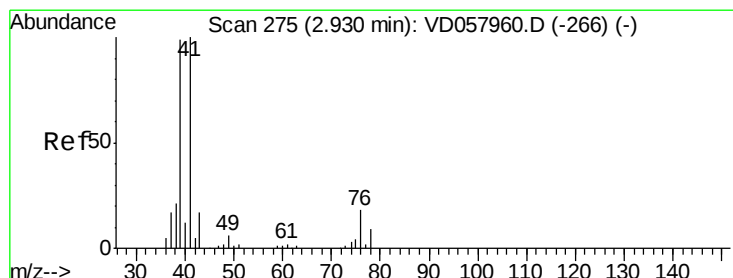
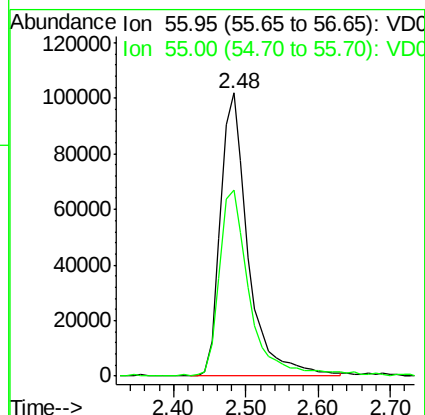
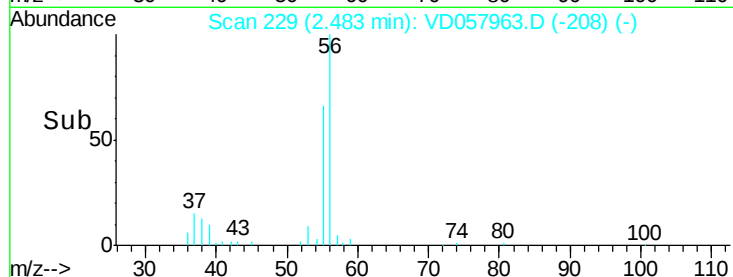
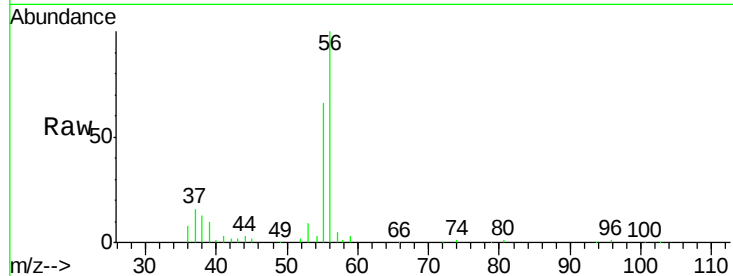
VSTDIC150

Tot Ion: 56 Resp: 270063

Ion Ratio Lower Upper

56 100

55 65.7 54.0 81.0



#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

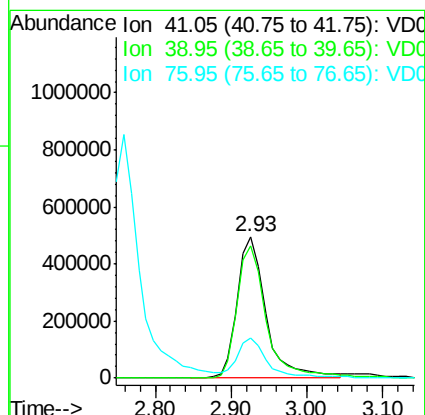
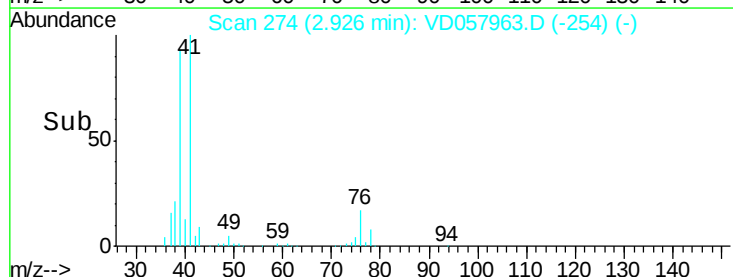
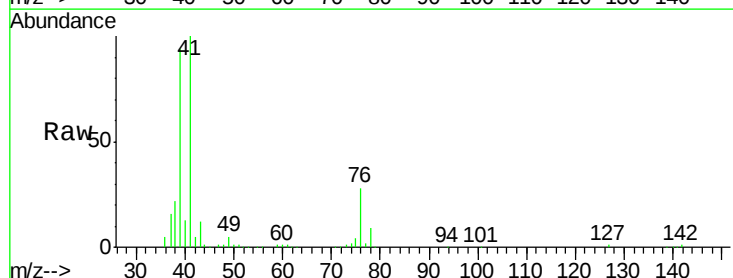
Tgt Ion: 41 Resp: 1305078

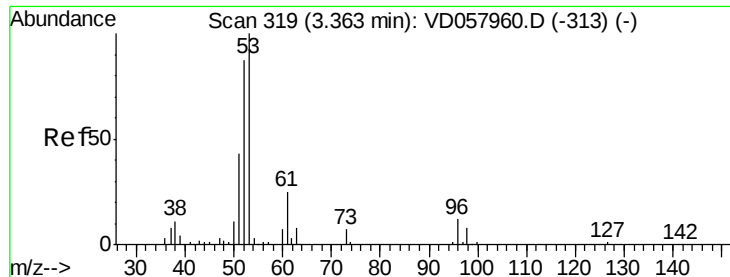
Ion Ratio Lower Upper

41 100

39 93.6 79.5 119.3

76 28.2 20.7 31.1





#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

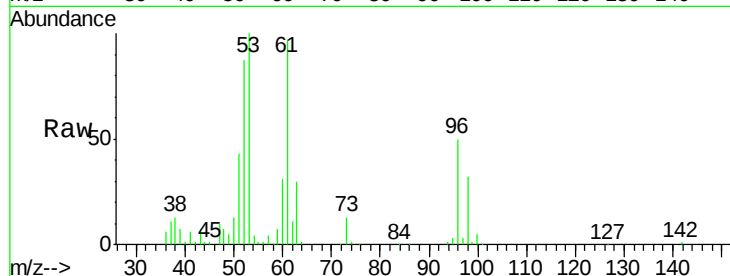
Tot Ion: 53 Resp: 1013948

Ion Ratio Lower Upper

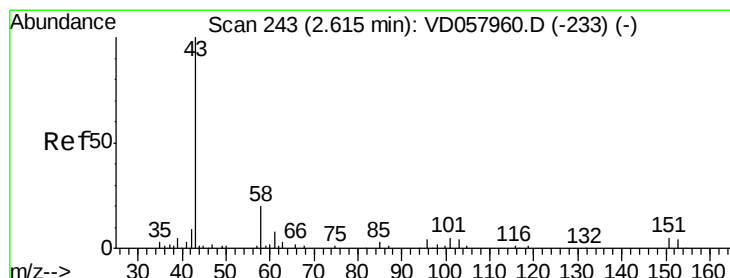
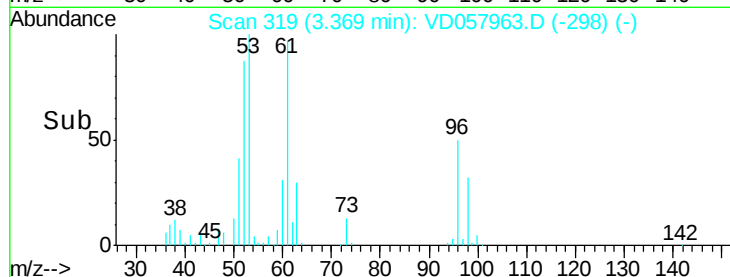
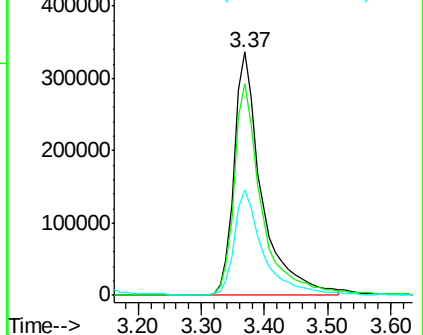
53 100

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

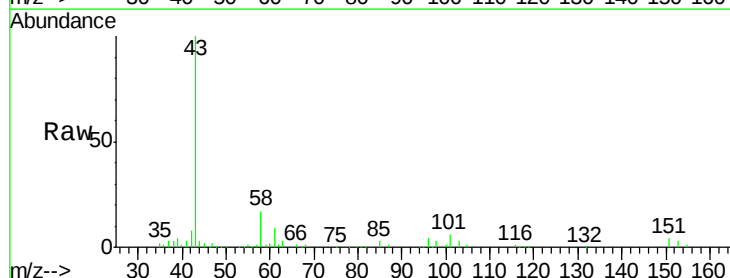
Acq: 6 Jun 2018 20:43

Tgt Ion: 43 Resp: 948398

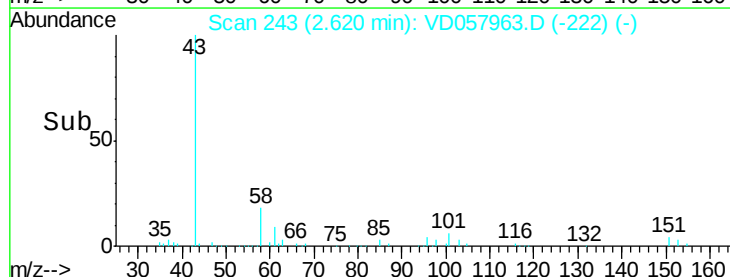
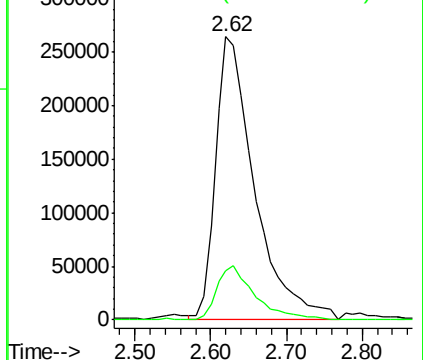
Ion Ratio Lower Upper

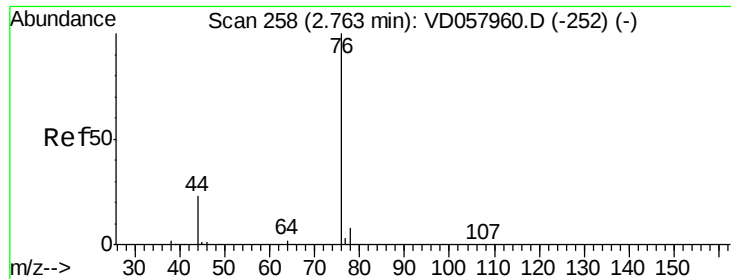
43 100

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

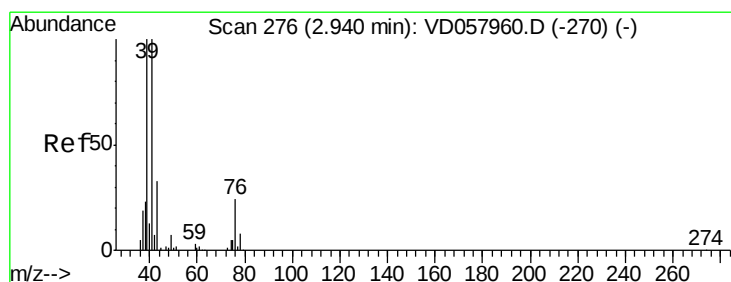
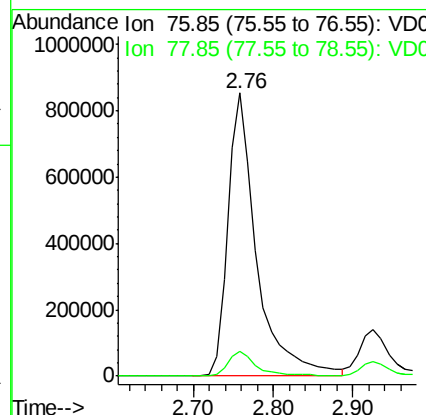
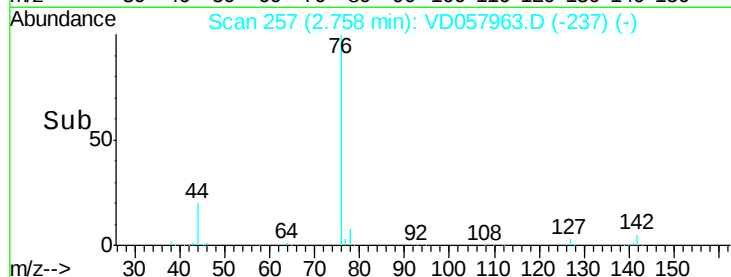
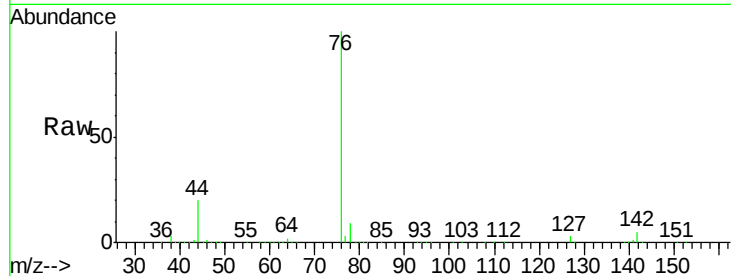




#17
Carbon Disulfide
Concen: 160.74 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

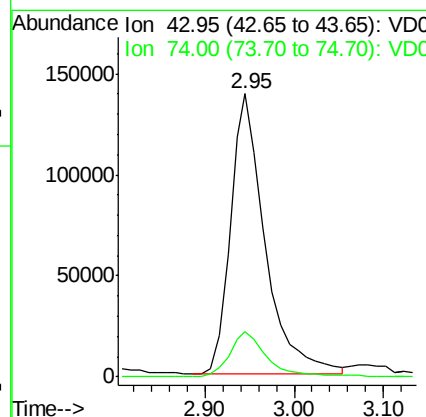
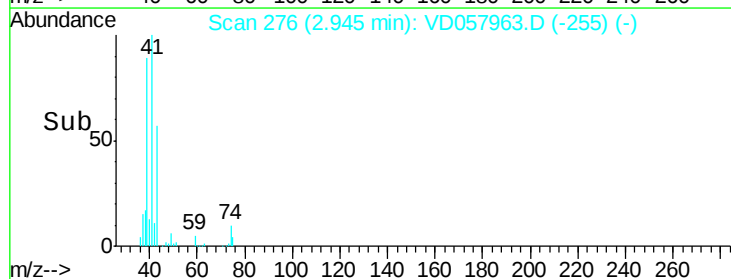
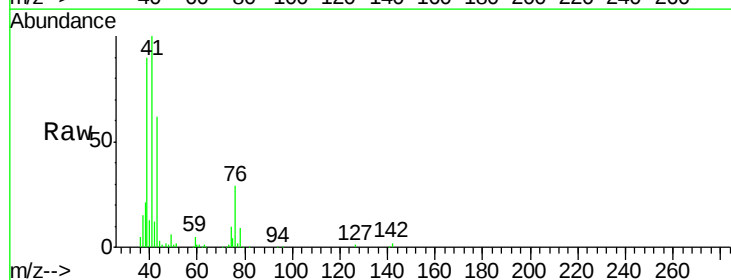
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

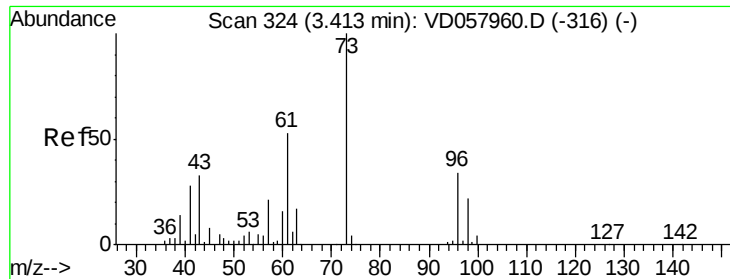
Tot Ion: 76 Resp: 2165536
Ion Ratio Lower Upper
76 100
78 9.0 6.7 10.1



#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



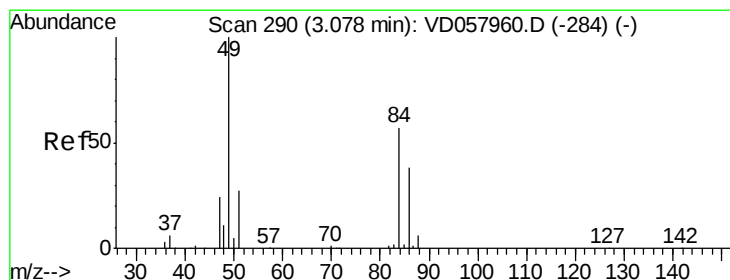
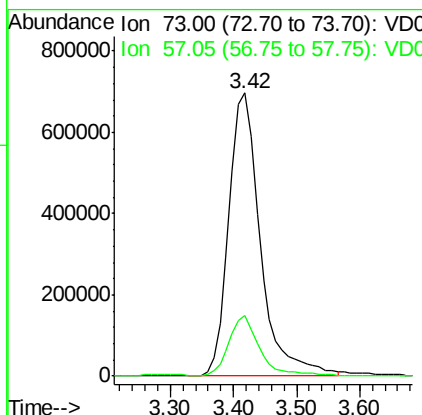
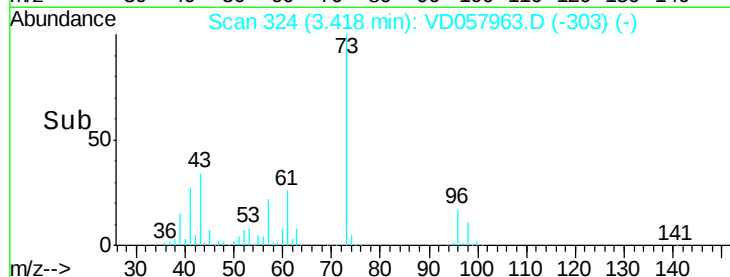
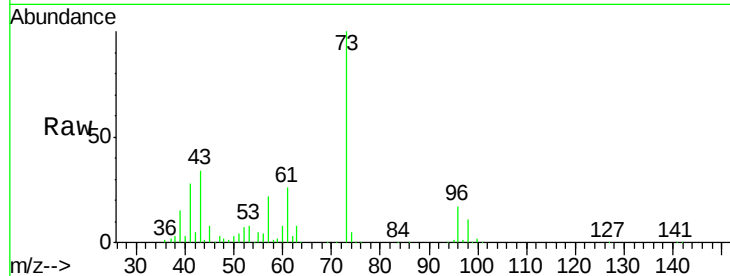


#19

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

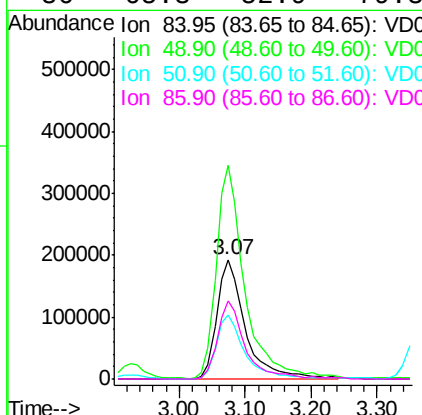
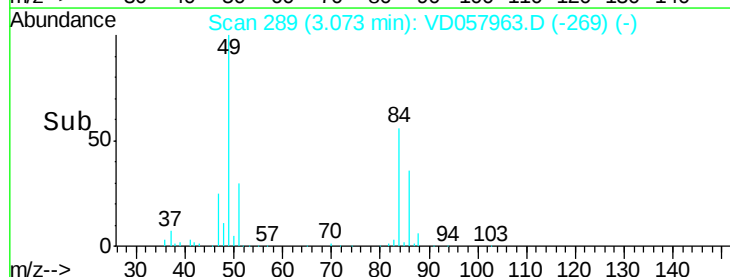
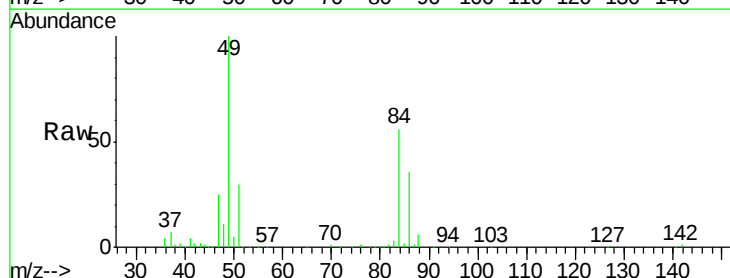
Tot Ion: 73 Resp: 2426426
 Ion Ratio Lower Upper
 73 100
 57 21.6 16.7 25.1

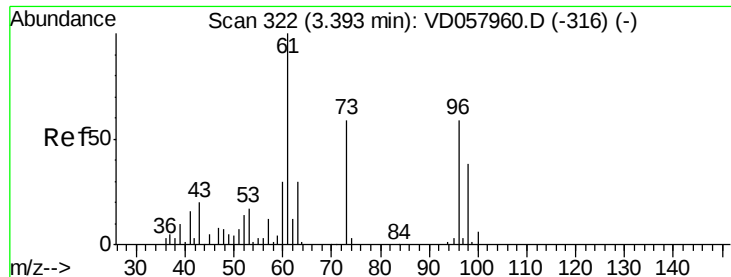


#20

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

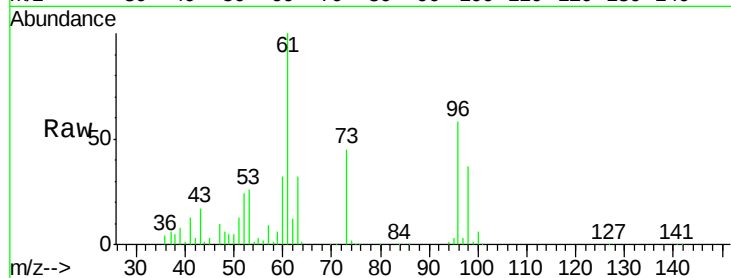
Tot Ion: 96 Resp: 1111561

Ion Ratio Lower Upper

96 100

61 171.0 135.2 202.8

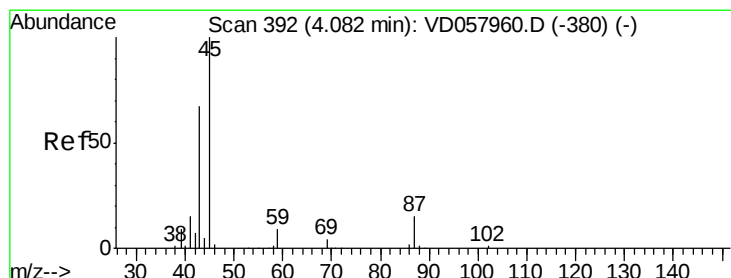
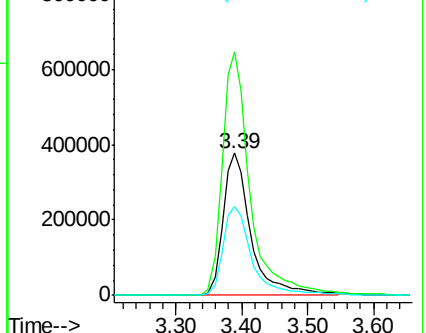
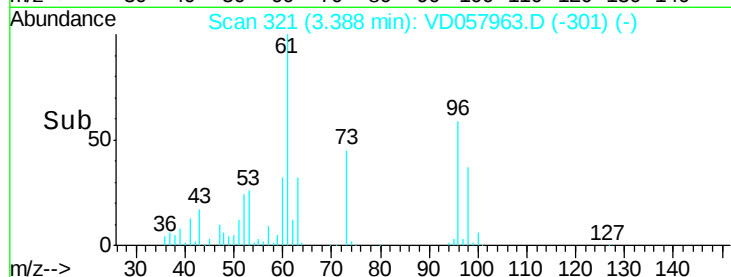
98 62.4 51.7 77.5



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

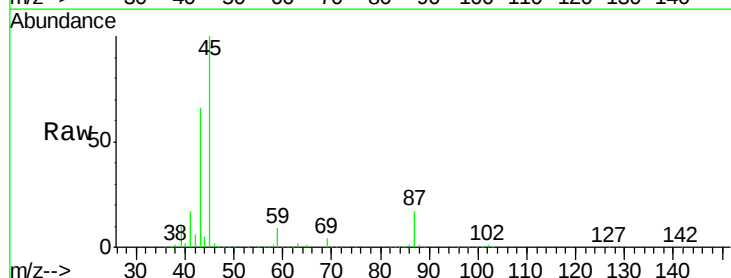
Ion Ratio Lower Upper

45 100

43 66.1 53.8 80.8

87 16.9 12.5 18.7

59 9.4 7.3 10.9

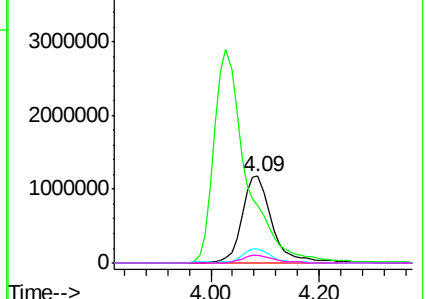
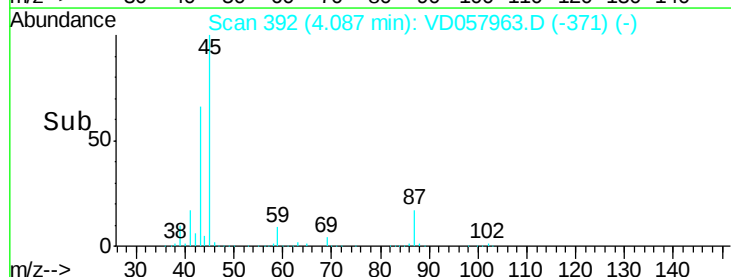


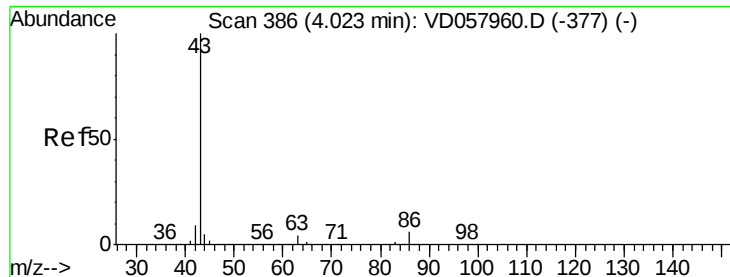
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

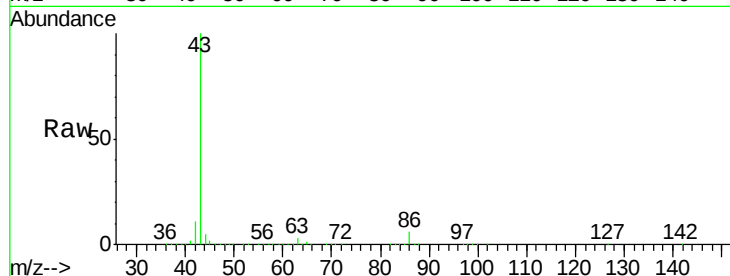
VSTDIC150

Tot Ion: 43 Resp: 11877443

Ion Ratio Lower Upper

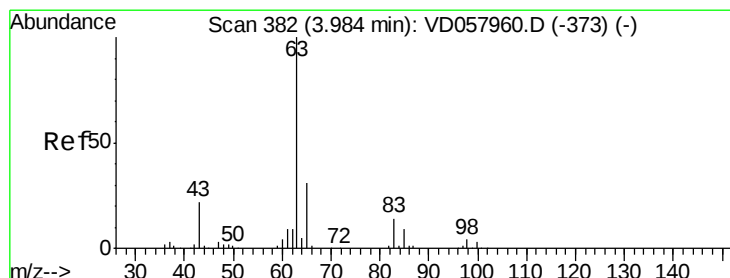
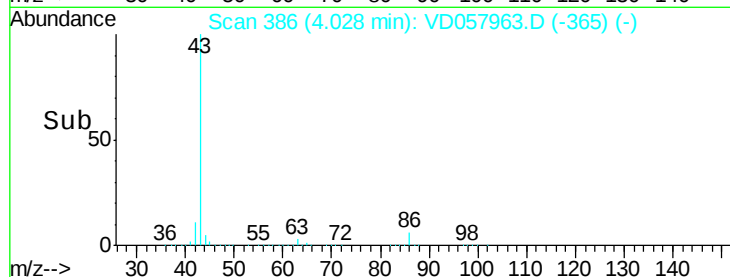
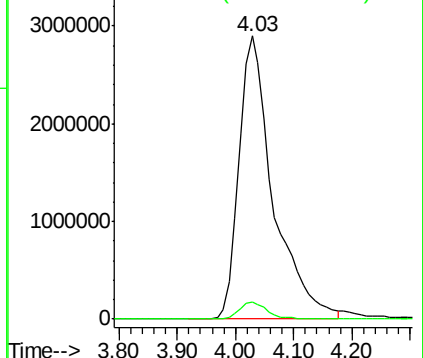
43 100

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

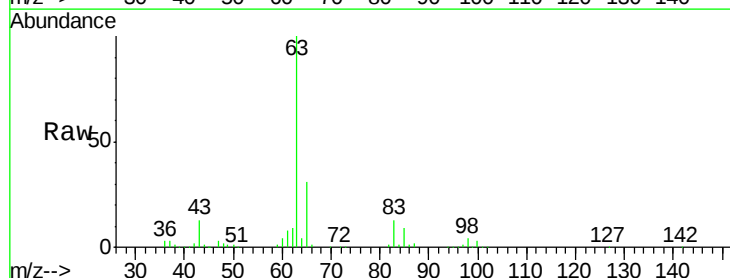
Tgt Ion: 63 Resp: 2539540

Ion Ratio Lower Upper

63 100

98 4.3 2.0 5.8

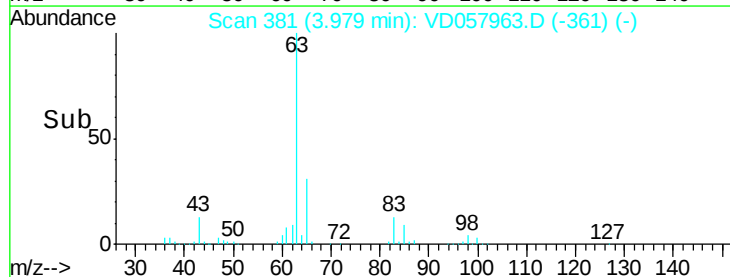
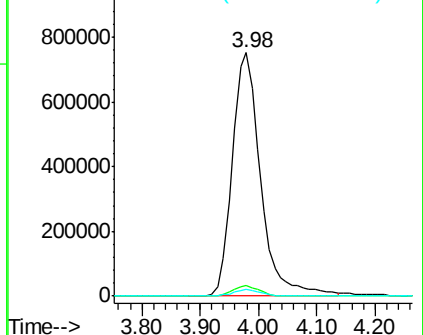
100 2.7 1.4 4.2

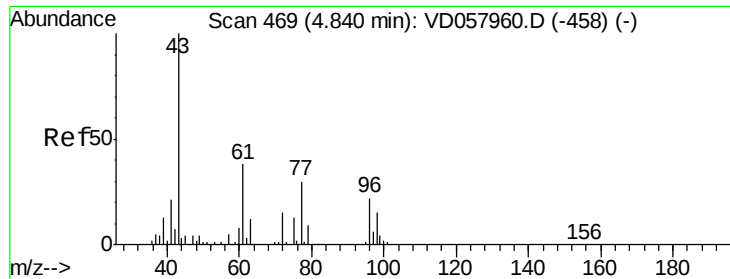


Abundance Ion 62.95 (62.65 to 63.65): VDC

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 :

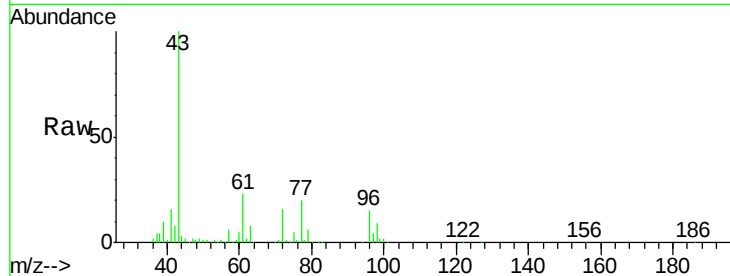
VSTDIC150

Tot Ion: 43 Resp: 2054762

Ion Ratio Lower Upper

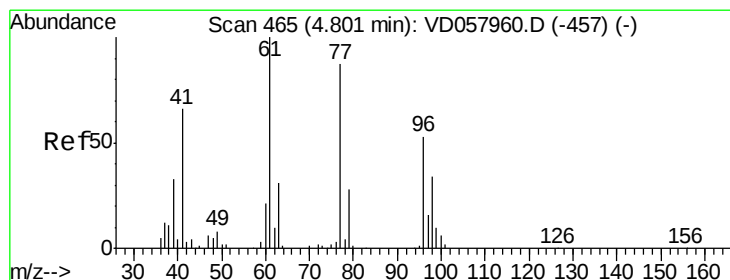
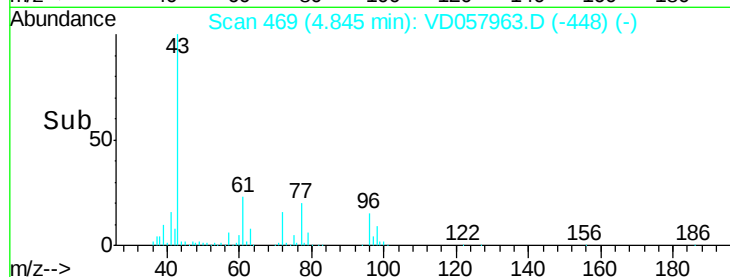
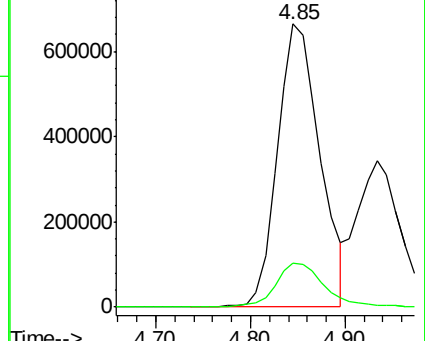
43 100

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

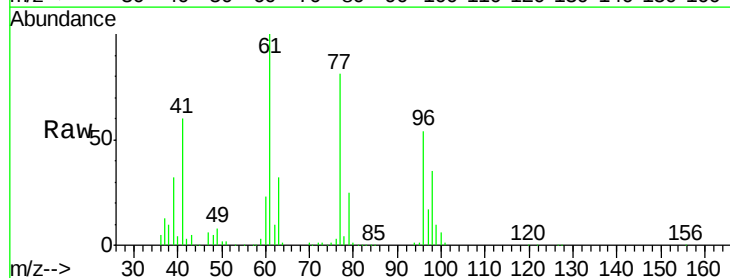
Acq: 6 Jun 2018 20:43

Tgt Ion: 77 Resp: 2131399

Ion Ratio Lower Upper

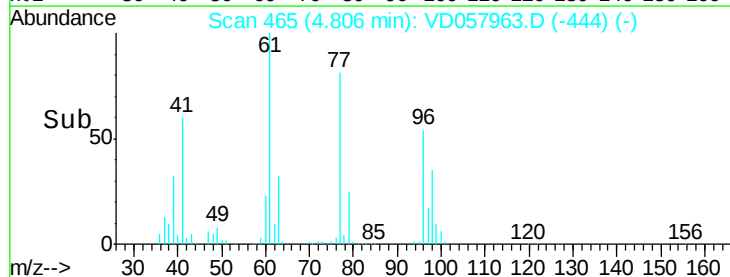
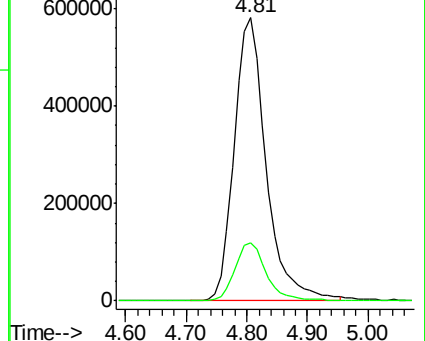
77 100

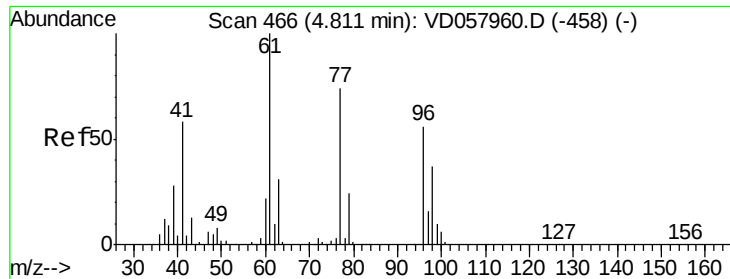
97 20.6 9.2 27.6



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

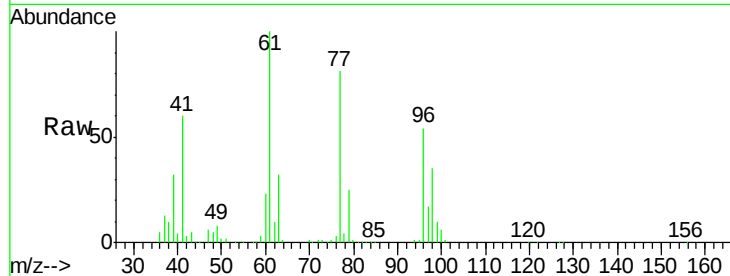
Tot Ion: 96 Resp: 1293359

Ion Ratio Lower Upper

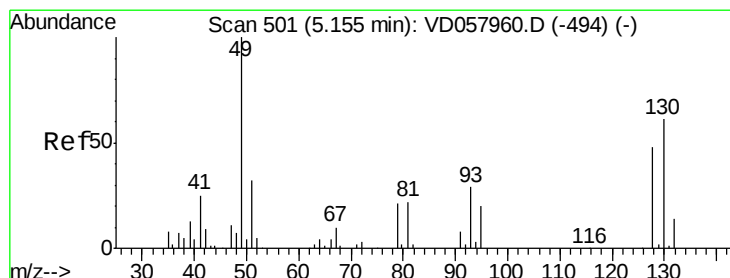
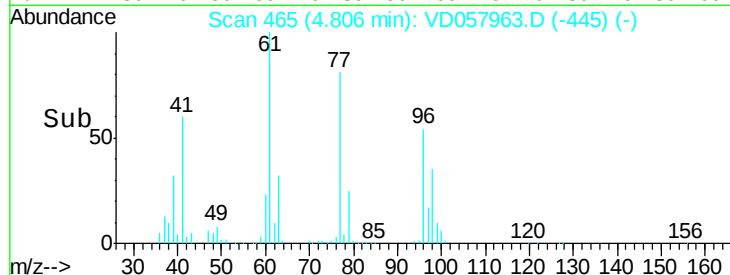
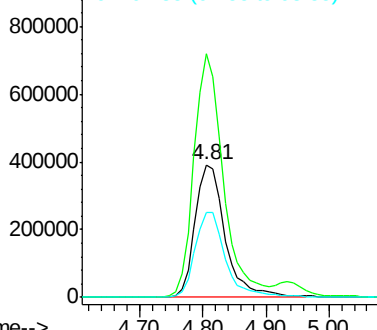
96 100

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

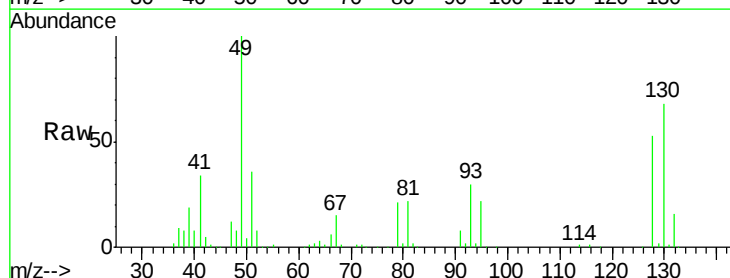
Tgt Ion: 49 Resp: 1195721

Ion Ratio Lower Upper

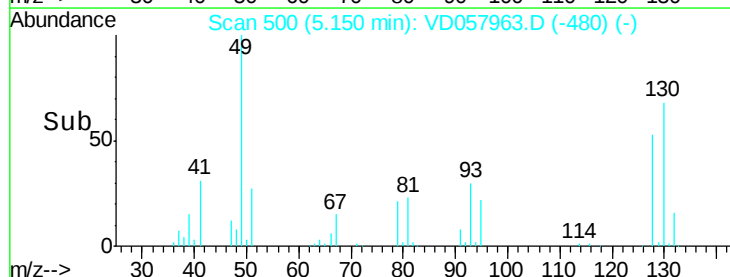
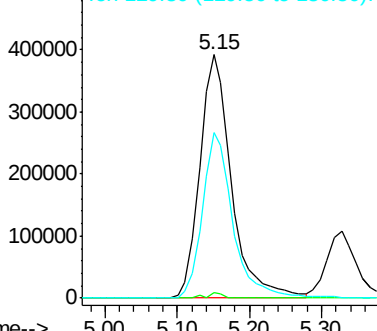
49 100

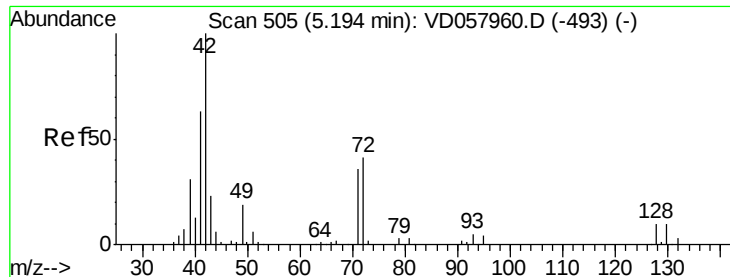
129 2.2 0.0 3.6

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

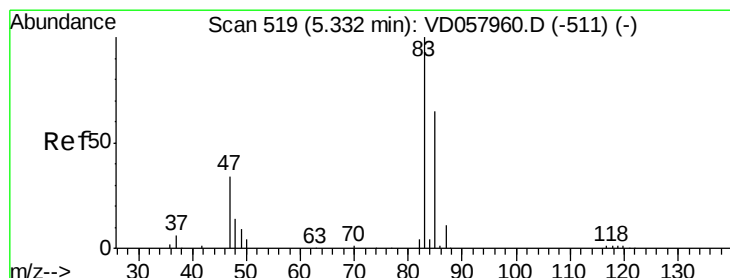
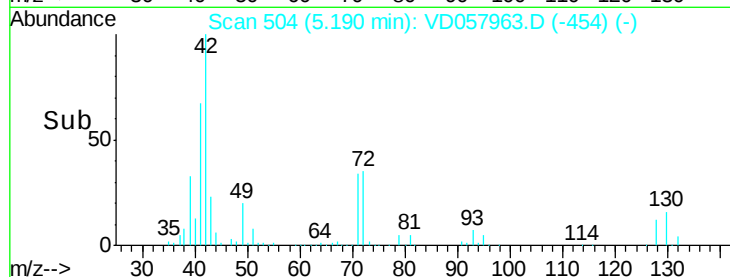
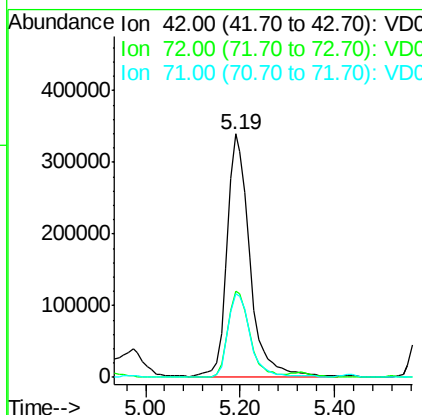
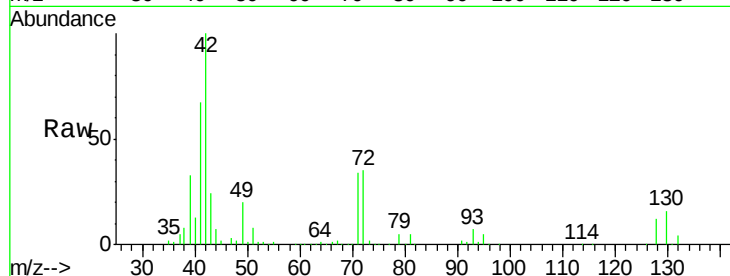




#29
Tetrahydrofuran
Concen: 703.02 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

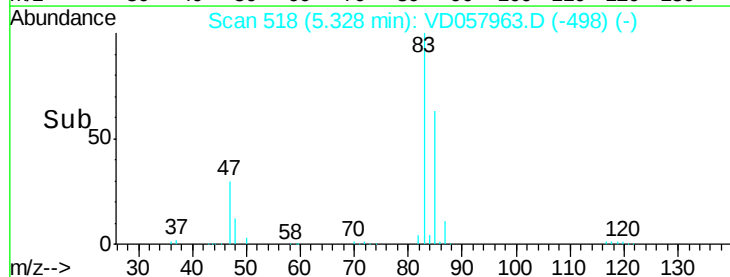
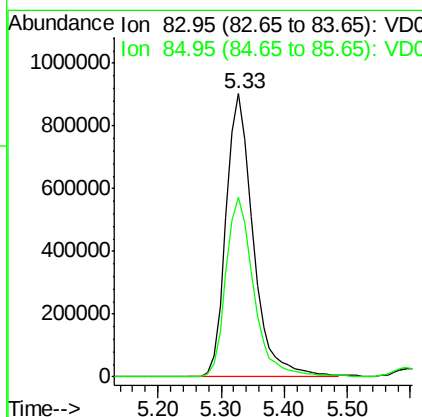
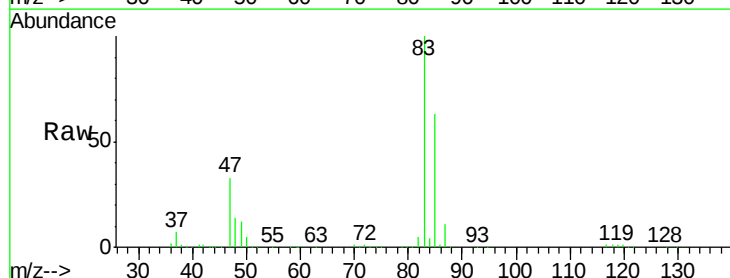
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

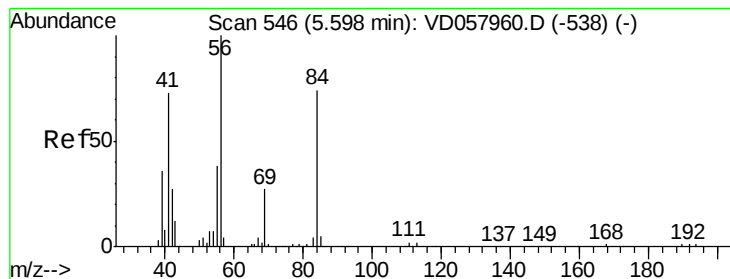
Tot Ion: 42 Resp: 1118598
Ion Ratio Lower Upper
42 100
72 34.4 28.5 42.7
71 34.3 27.9 41.9



#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





#31

Cvclohexane

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

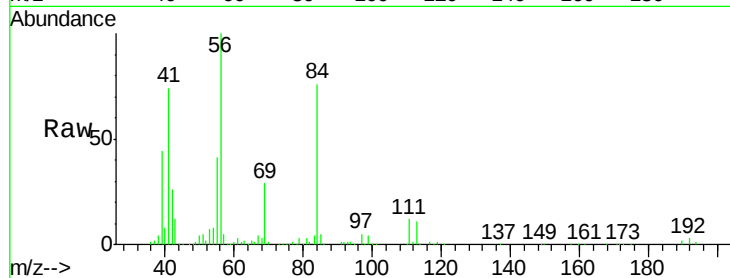
Tot Ion: 56 Resp: 1893933

Ion Ratio Lower Upper

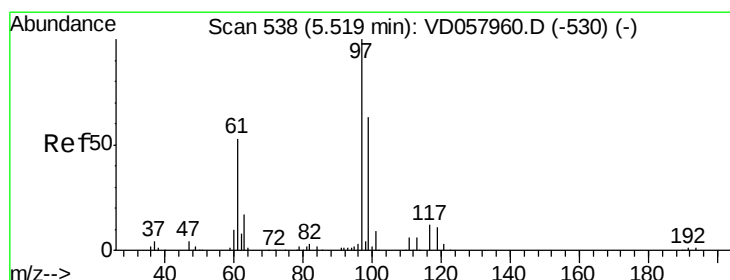
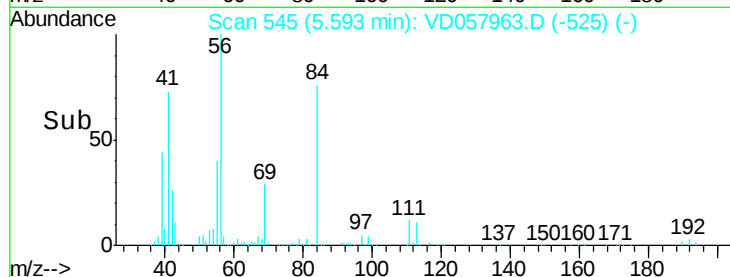
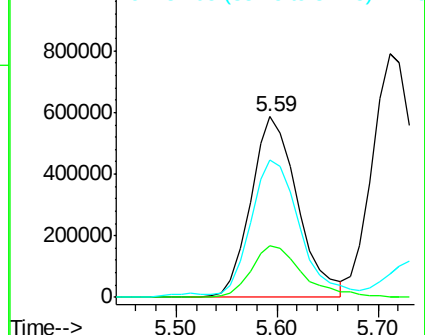
56 100

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

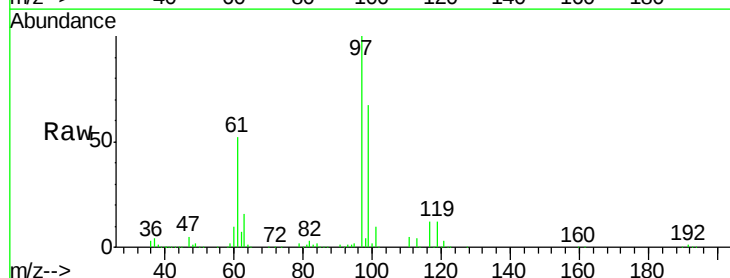
Tgt Ion: 97 Resp: 2331762

Ion Ratio Lower Upper

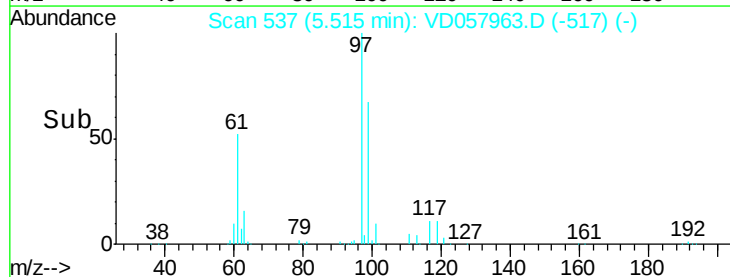
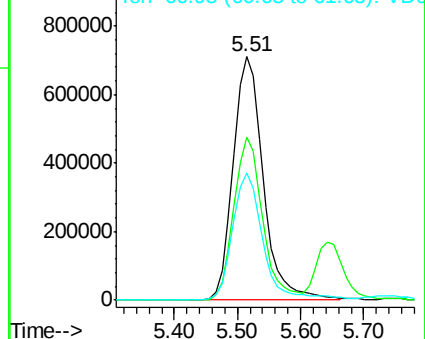
97 100

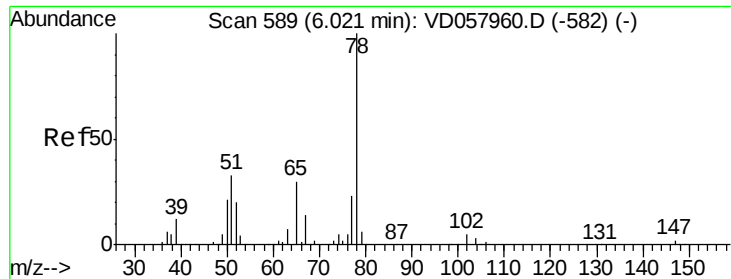
99 66.8 50.1 75.1

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 :

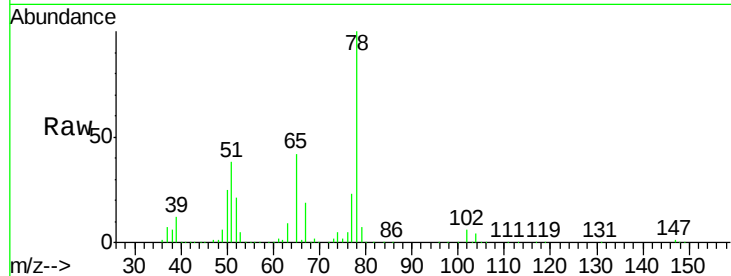
VSTDIC150

Tot Ion: 65 Resp: 1321833

Ion Ratio Lower Upper

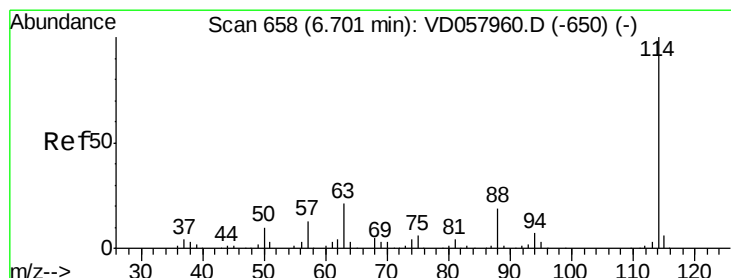
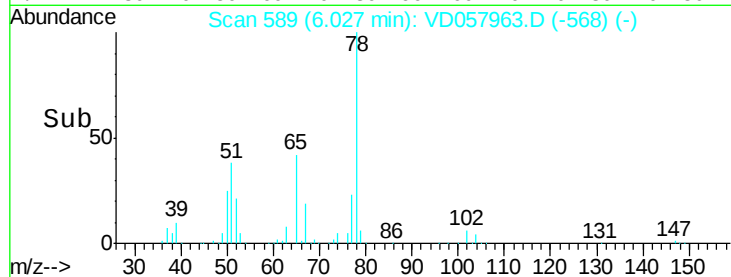
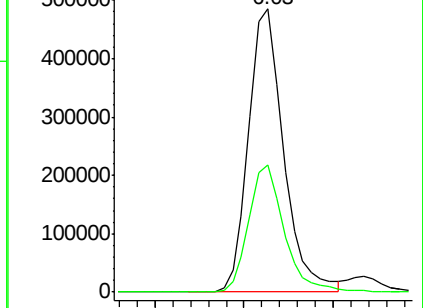
65 100

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

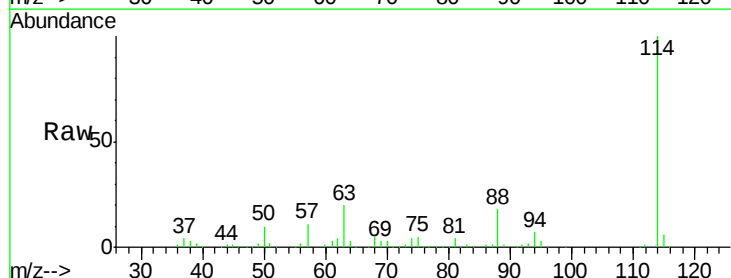
Tgt Ion: 114 Resp: 1279728

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

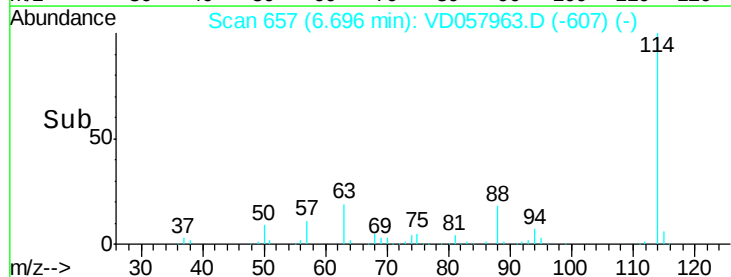
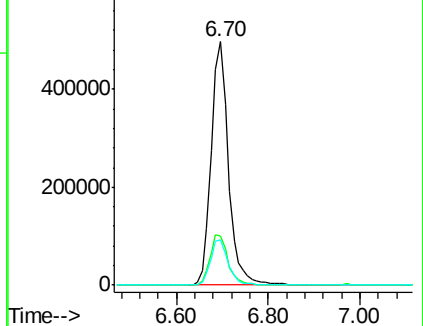
88 18.4 0.0 37.8

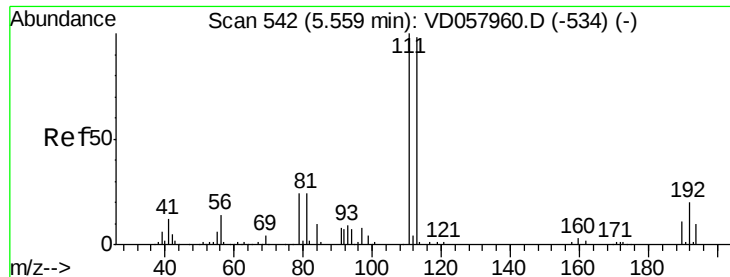


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

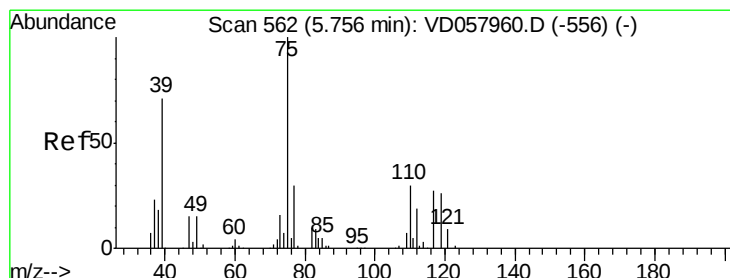
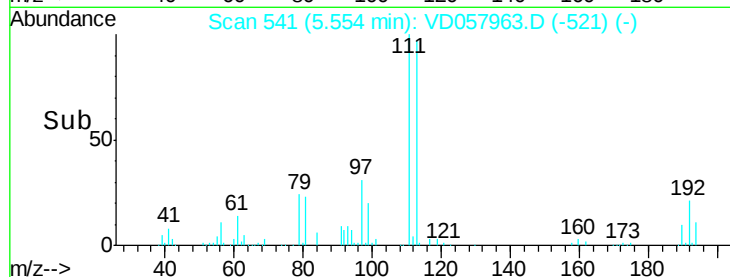
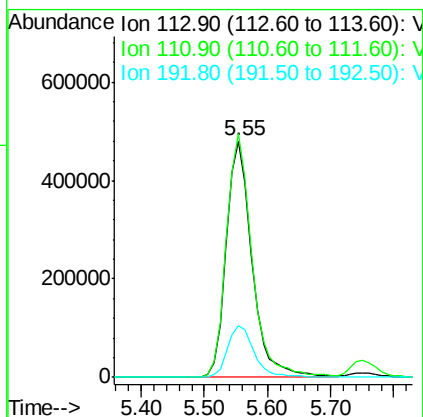
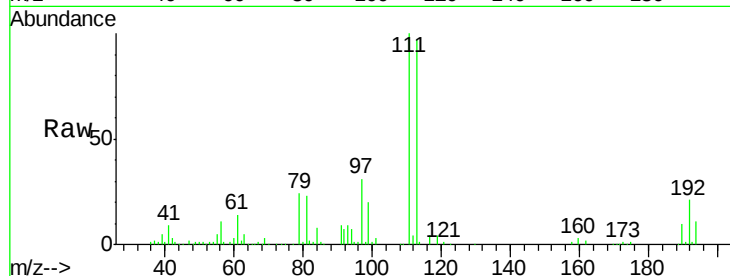




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

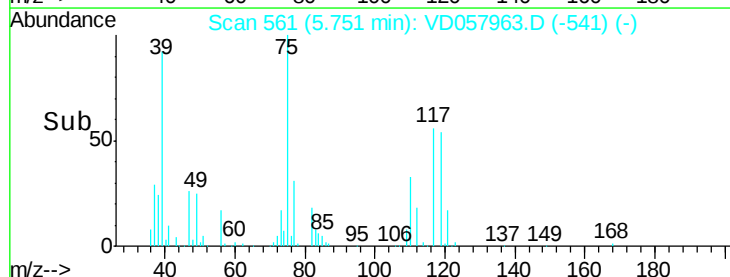
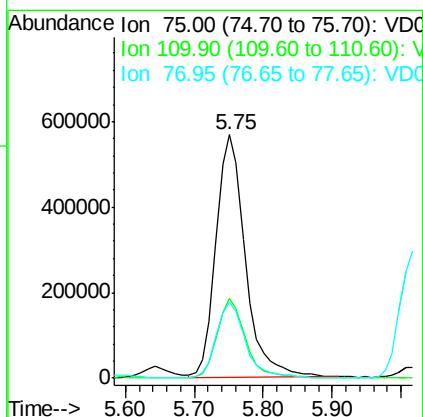
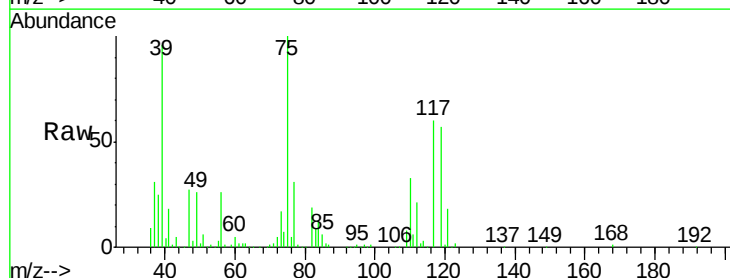
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

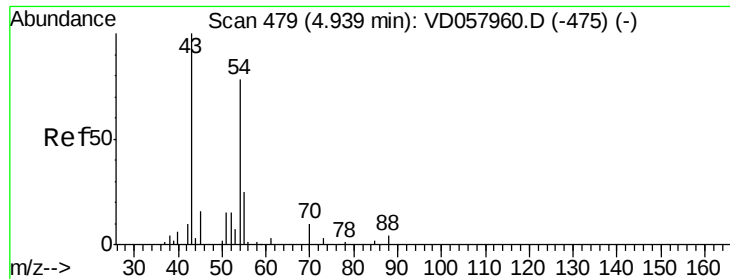
Tot Ion:113 Resp: 1358680
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.5 122.3
 192 21.8 16.4 24.6



#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

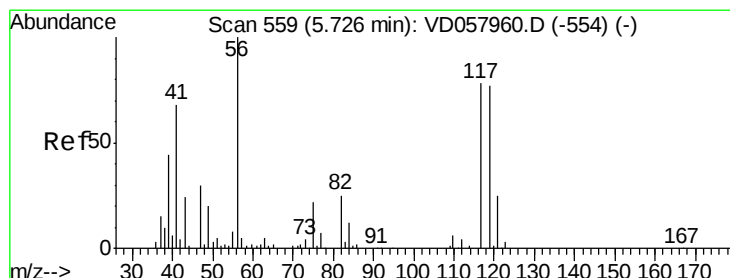
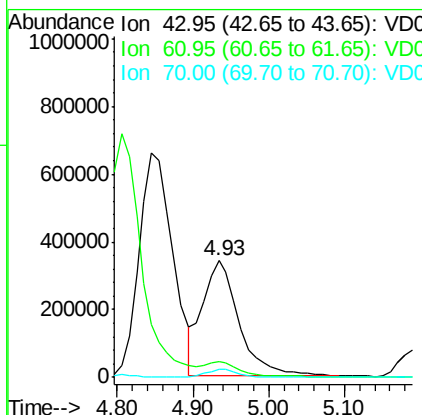
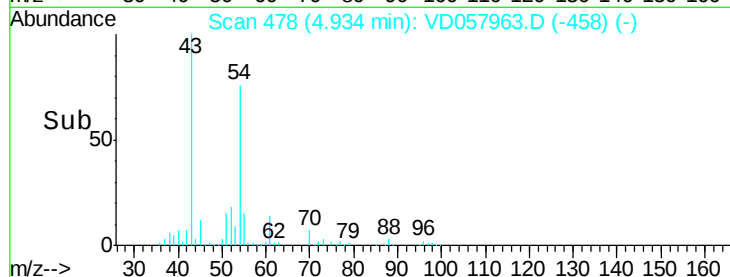
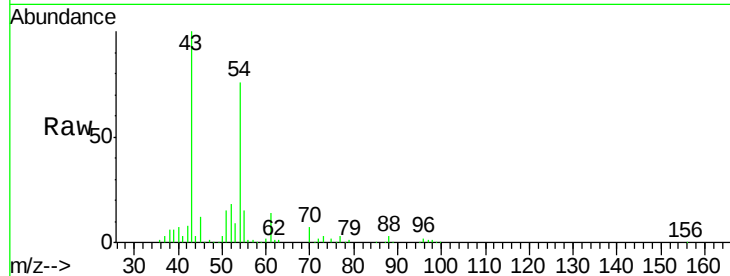




#37
Ethyl Acetate
Concen: 148.60 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

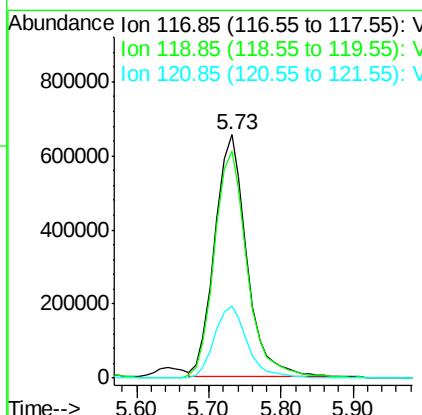
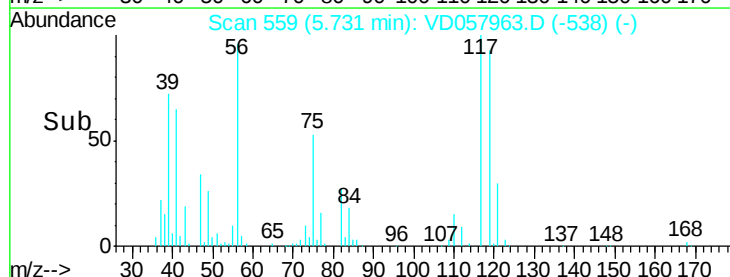
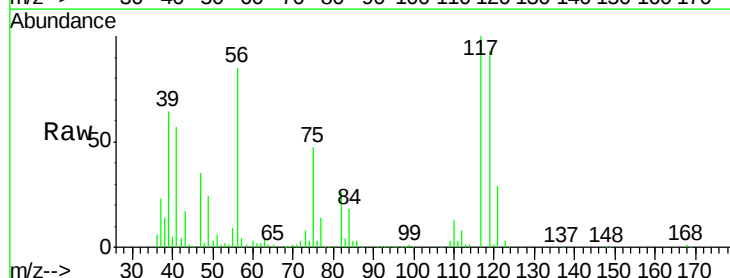
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

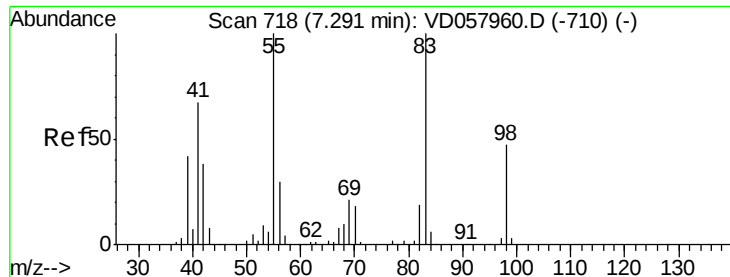
Tot Ion: 43 Resp: 1143246
Ion Ratio Lower Upper
43 100
61 13.6 9.9 14.9
70 6.8 5.7 8.5



#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

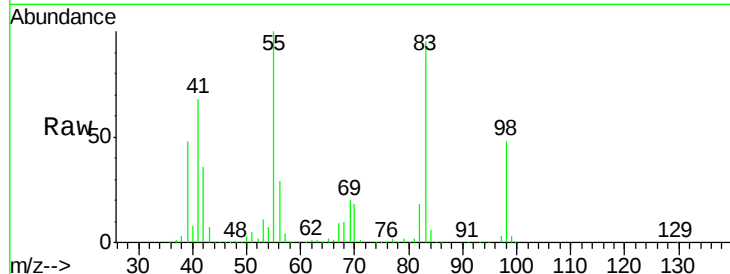




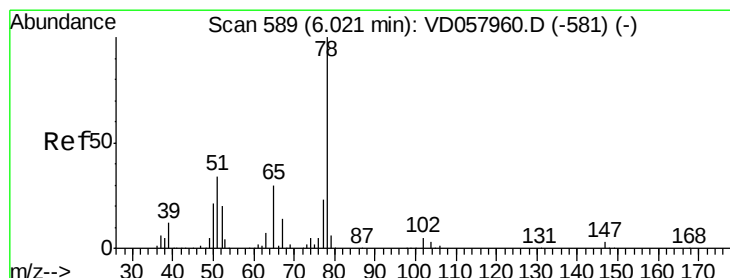
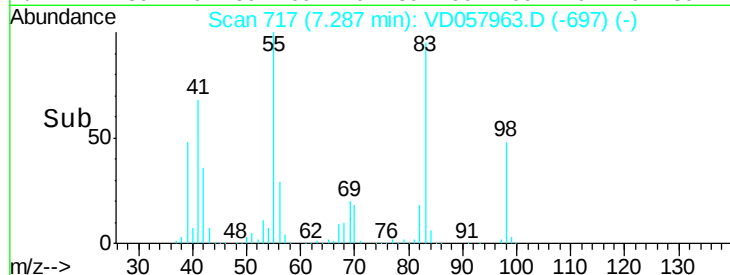
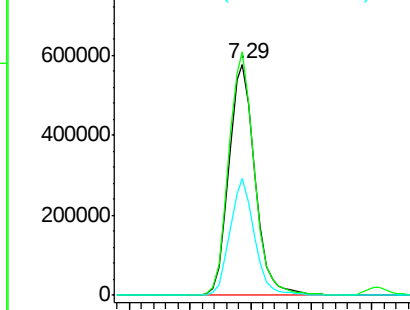
#39
Methvlcvclohexane
Concen: 123.69 ug/l
RT: 7.29 min Scan# 717
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

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

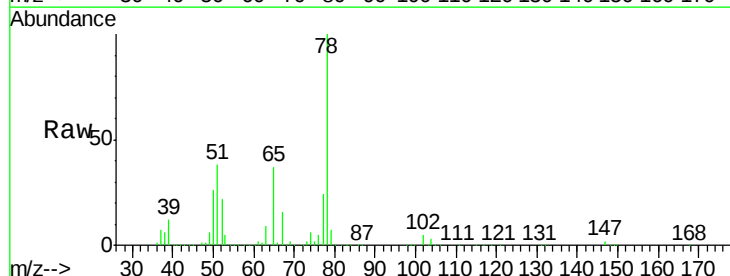


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

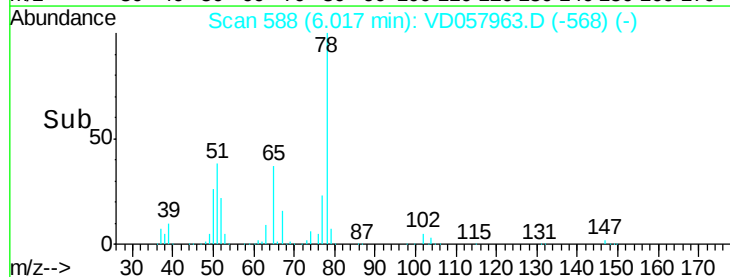
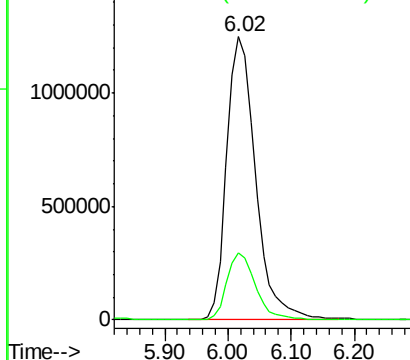


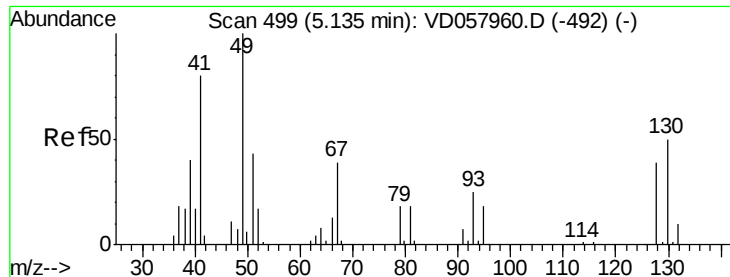
#40
Benzene
Concen: 120.92 ug/l
RT: 6.02 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

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

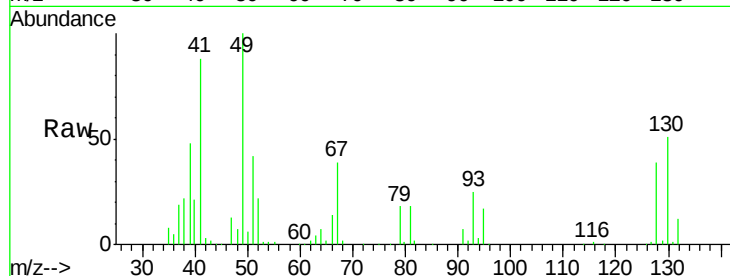




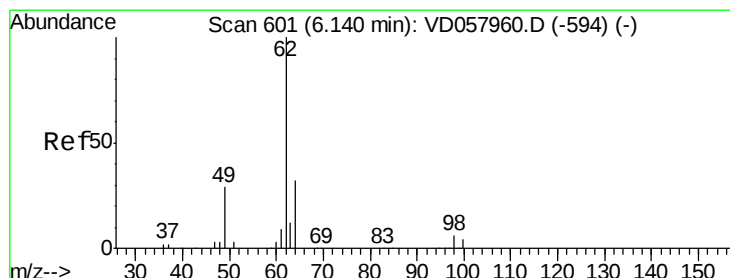
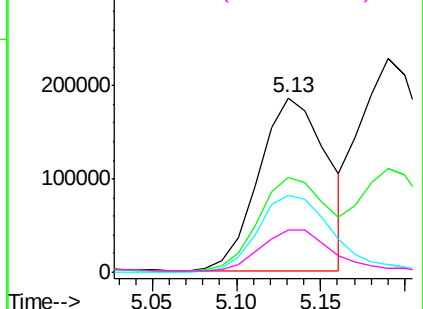
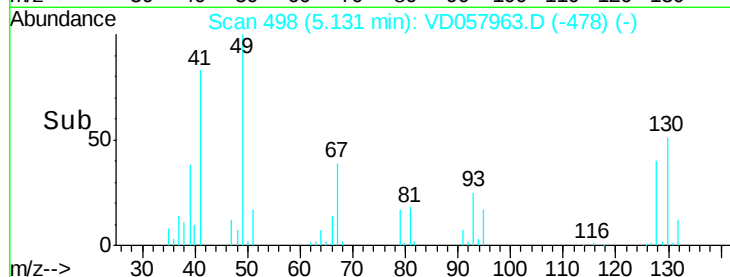
#41
Methacrylonitrile
Concen: 149.05 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot 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

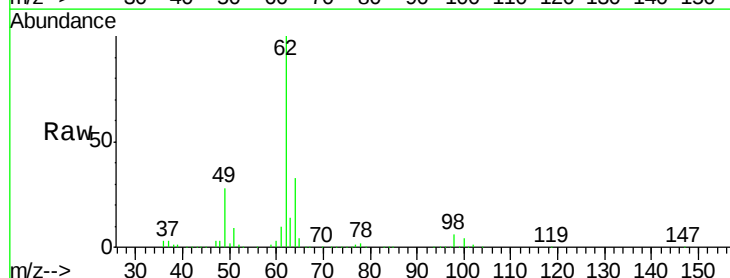


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

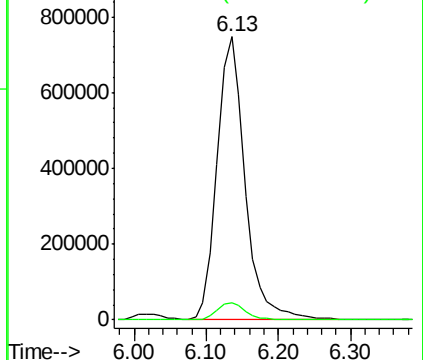
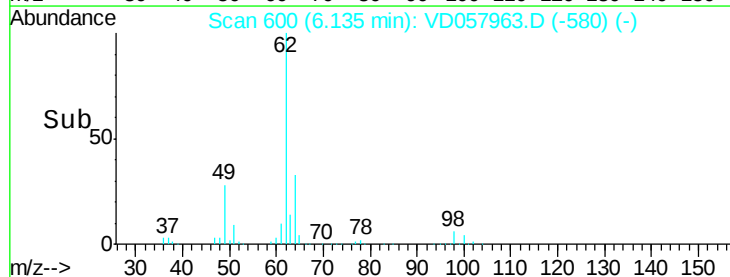


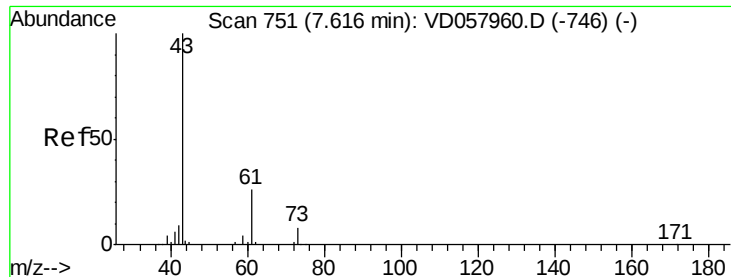
#42
1,2-Dichloroethane
Concen: 149.64 ug/l
RT: 6.13 min Scan# 600
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

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



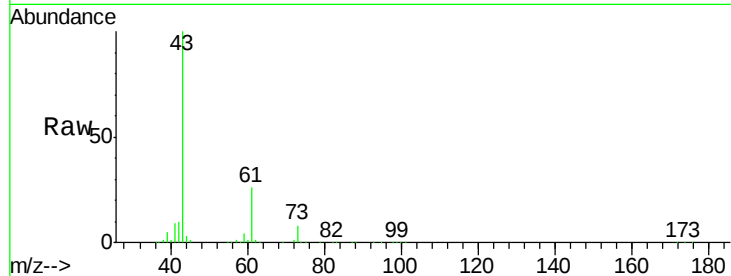


#43

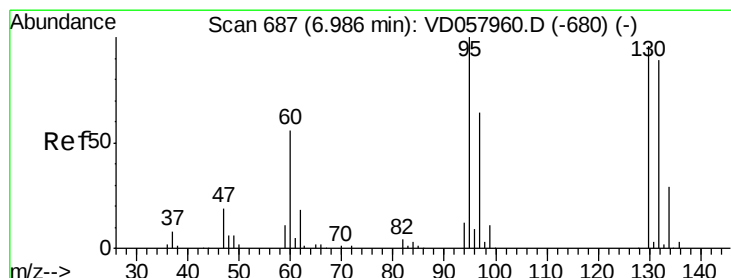
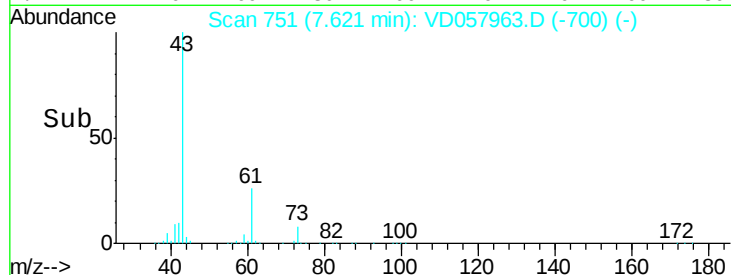
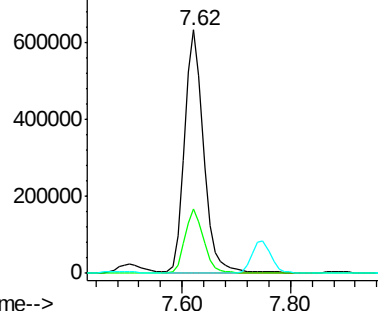
Isopropyl Acetate
 Concen: 154.17 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1553573
 Ion Ratio Lower Upper
 43 100
 61 26.2 20.6 30.8
 87 0.2 0.2 0.4#



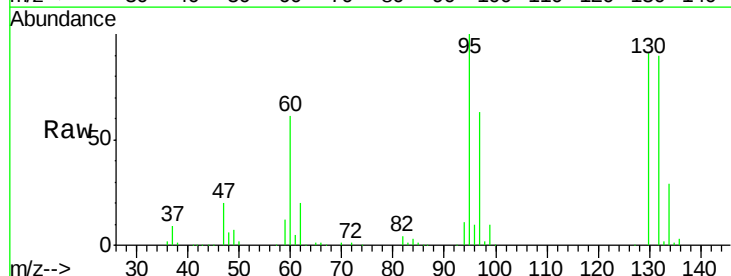
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



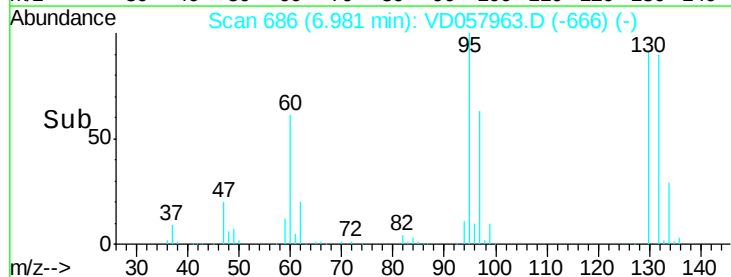
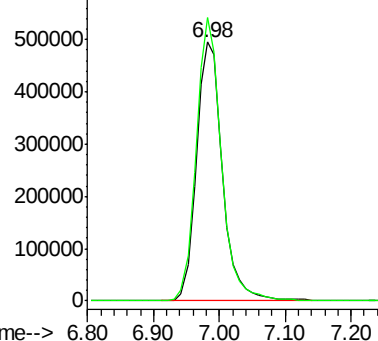
#44

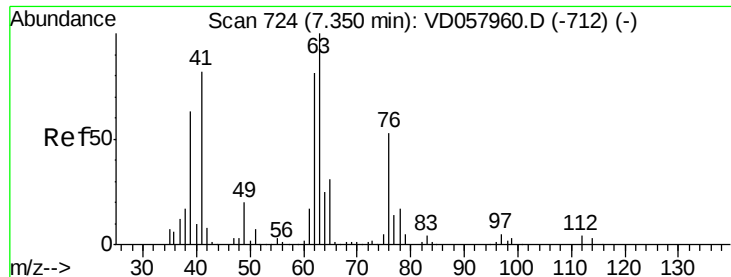
Trichloroethene
 Concen: 142.01 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

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 :

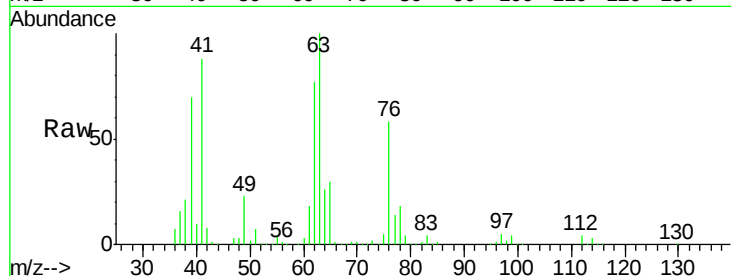
VSTDIC150

Tot Ion: 63 Resp: 1189840

Ion Ratio Lower Upper

63 100

65 29.6 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.36

400000

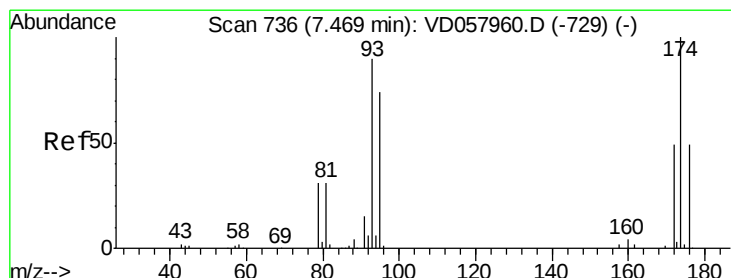
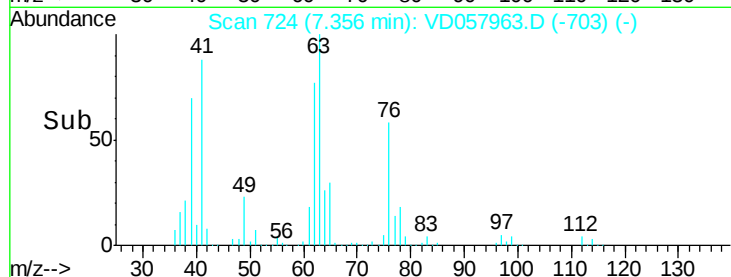
300000

200000

100000

0

Time-->



#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

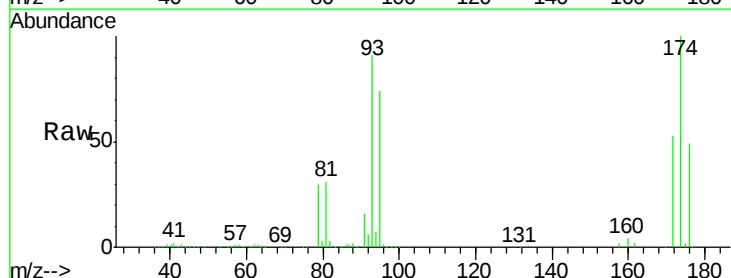
Tgt Ion: 93 Resp: 861616

Ion Ratio Lower Upper

93 100

95 81.7 65.7 98.5

174 110.0 89.0 133.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

7.46

400000

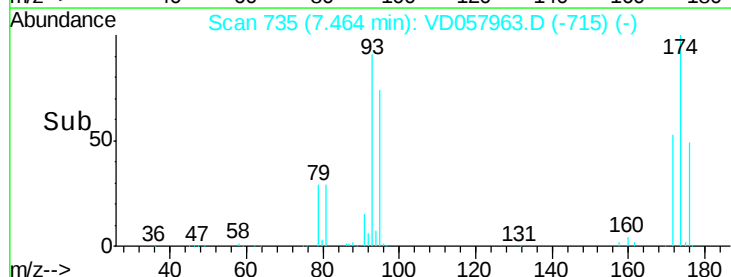
300000

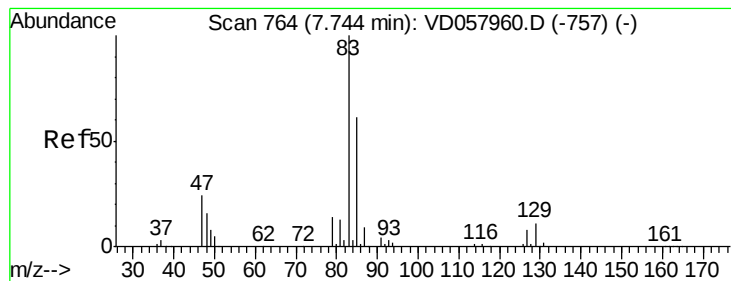
200000

100000

0

Time-->





#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

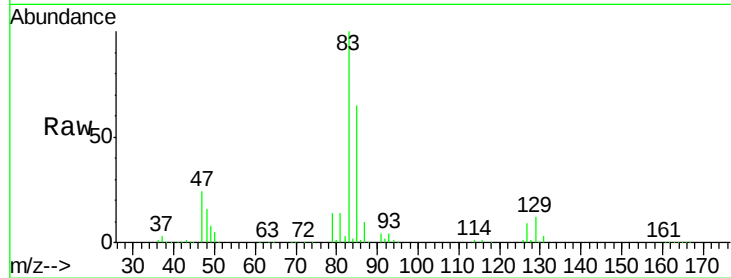
Tot Ion: 83 Resp: 2084735

Ion Ratio Lower Upper

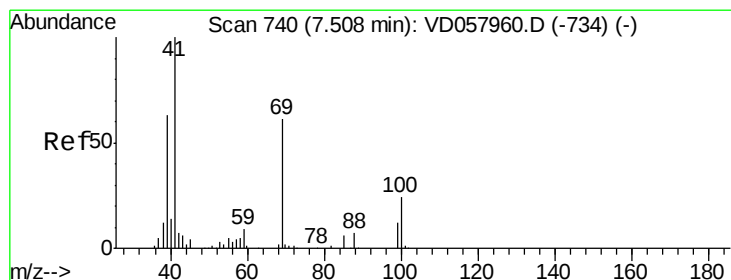
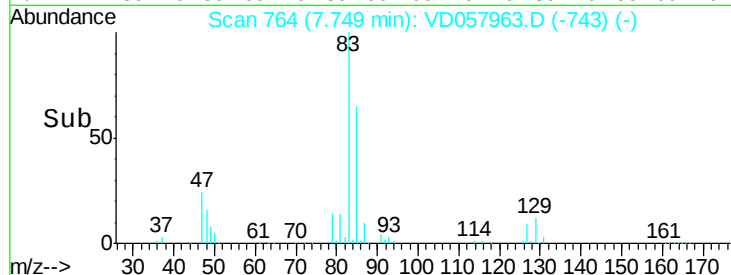
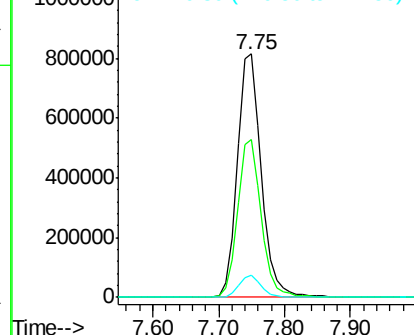
83 100

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

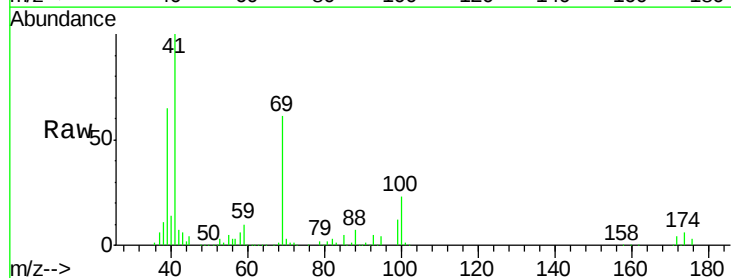
Tgt Ion: 41 Resp: 900404

Ion Ratio Lower Upper

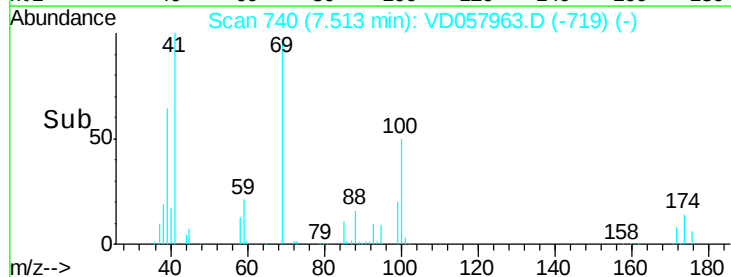
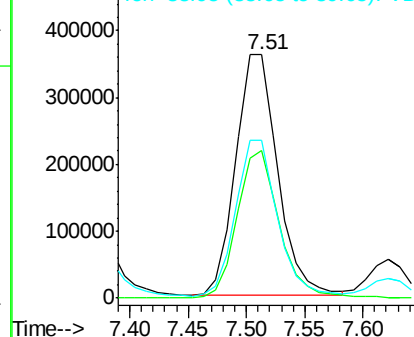
41 100

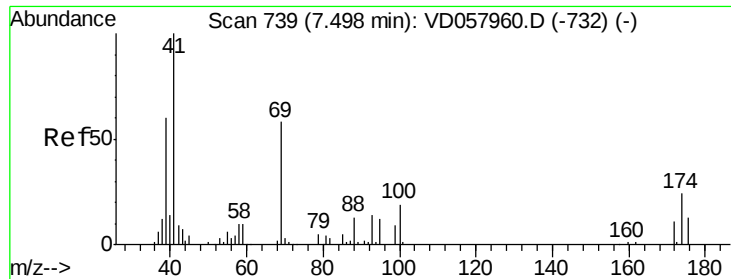
69 60.9 48.0 72.0

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

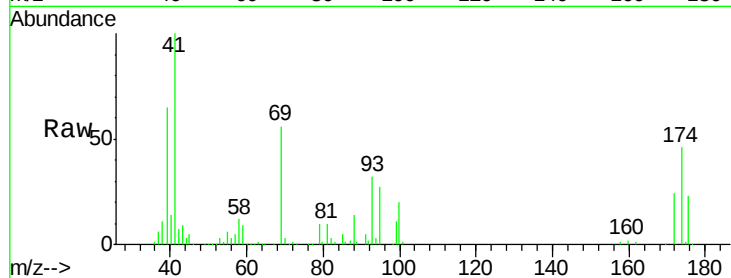
Tot Ion: 88 Resp: 151929

Ion Ratio Lower Upper

88 100

43 63.8 46.6 69.8

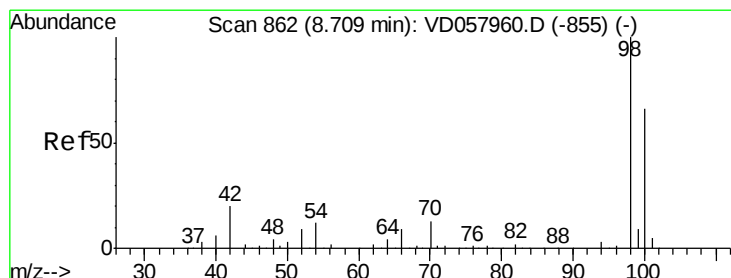
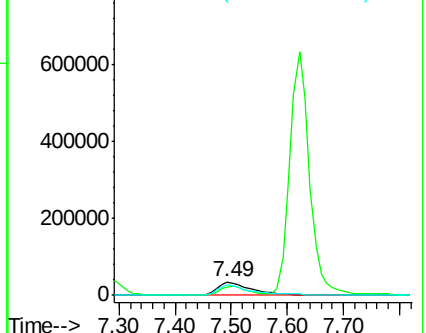
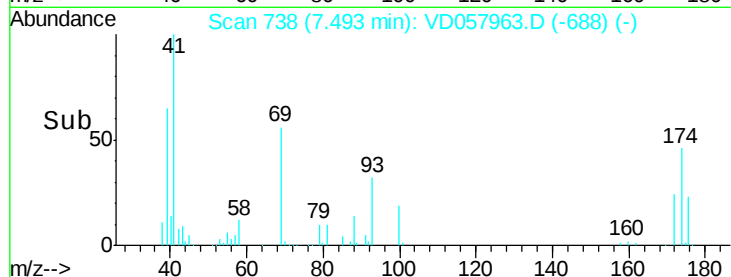
58 83.8 63.6 95.4



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

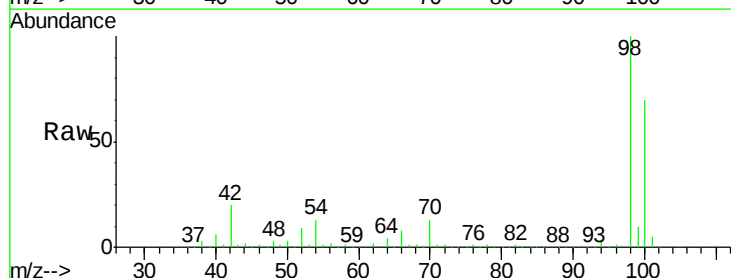
Acq: 6 Jun 2018 20:43

Tgt Ion: 98 Resp: 3029345

Ion Ratio Lower Upper

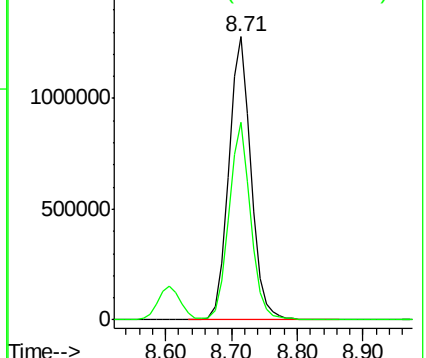
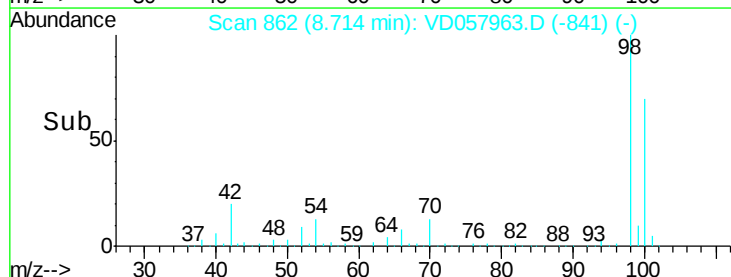
98 100

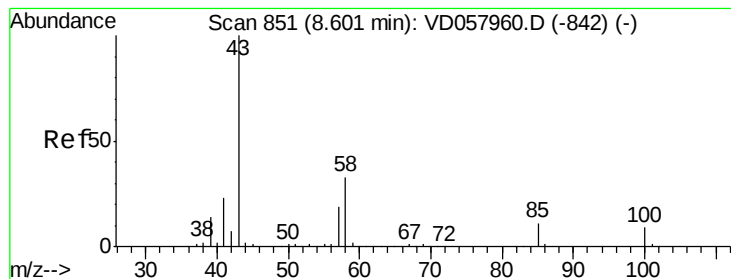
100 69.8 53.4 80.0



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 :

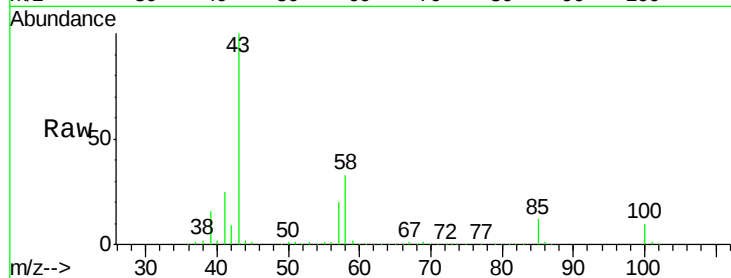
VSTDIC150

Tot Ion: 43 Resp: 4091131

Ion Ratio Lower Upper

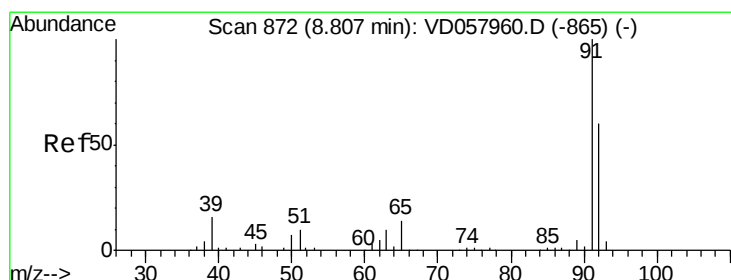
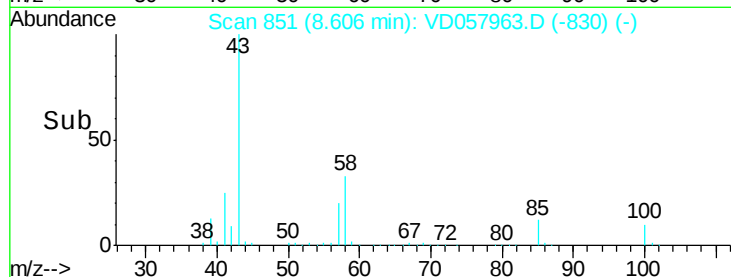
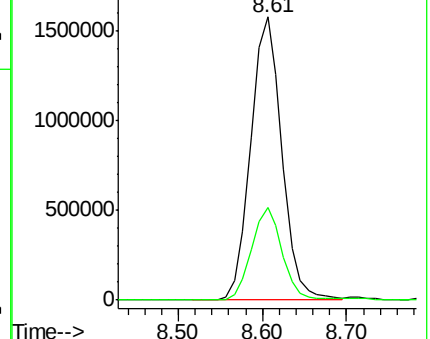
43 100

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

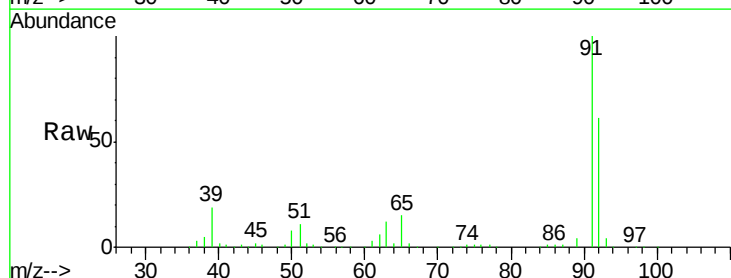
Acq: 6 Jun 2018 20:43

Tgt Ion: 92 Resp: 2328927

Ion Ratio Lower Upper

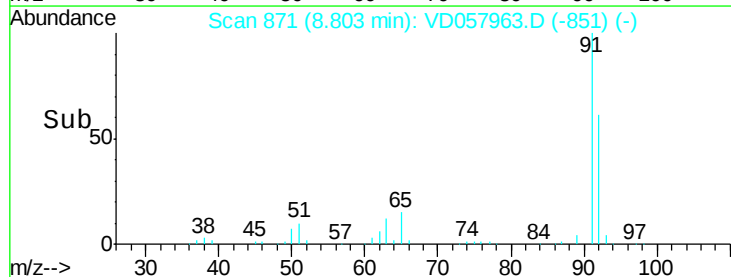
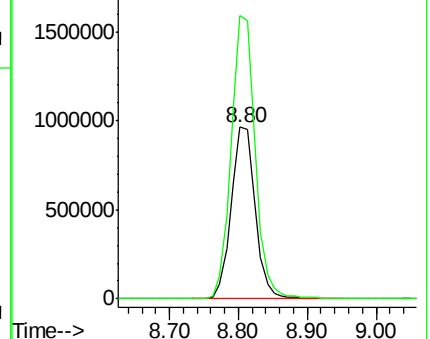
92 100

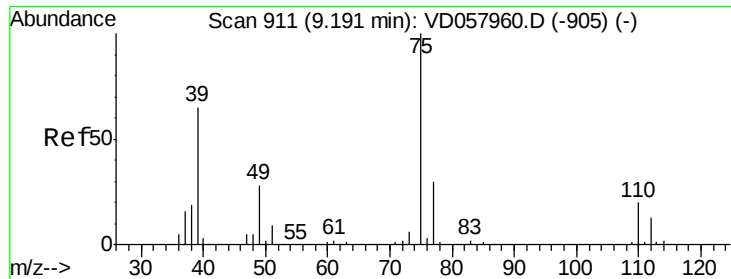
91 165.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

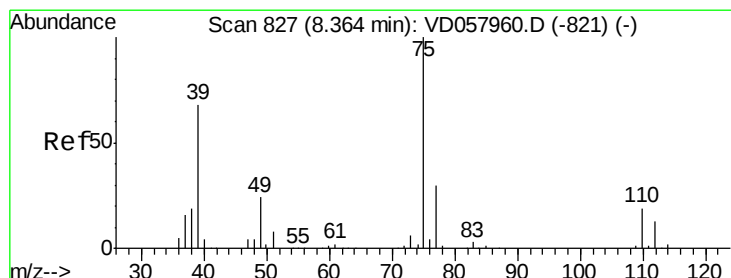
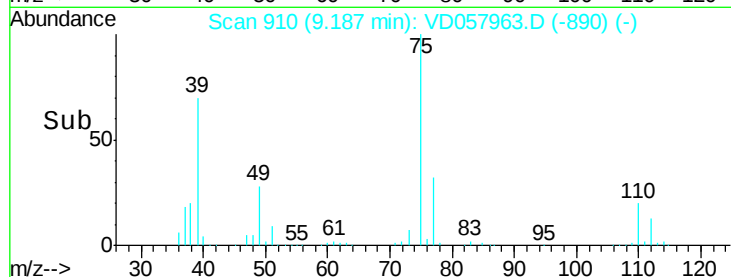
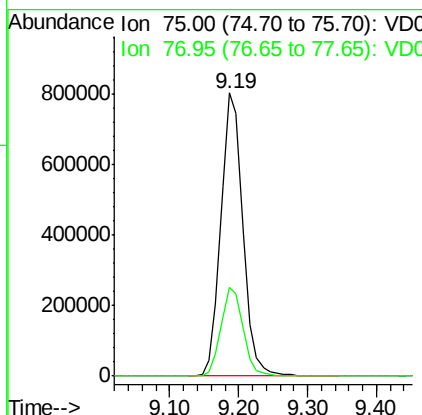
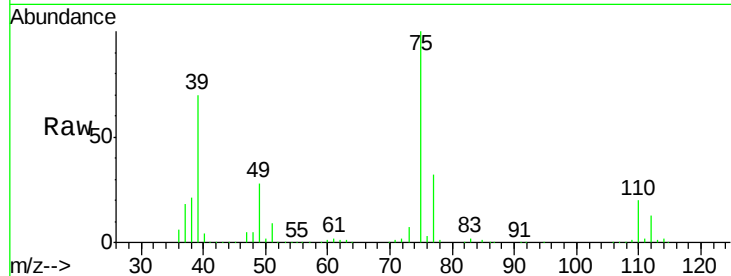




#53
 t-1,3-Dichloropropene
 Concen: 149.44 ug/l
 RT: 9.19 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

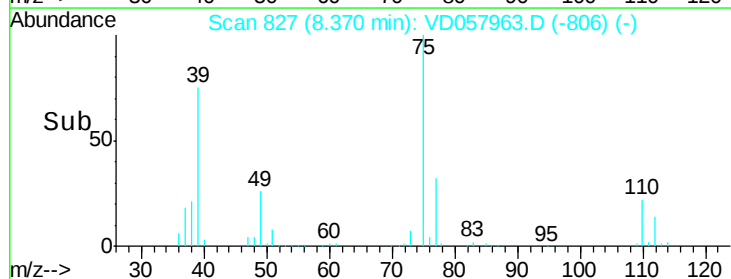
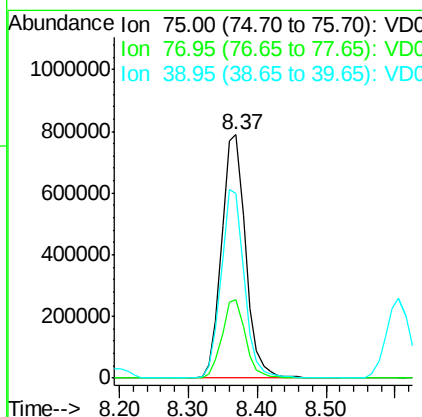
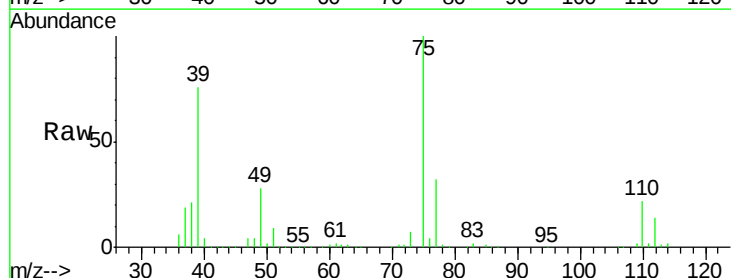
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

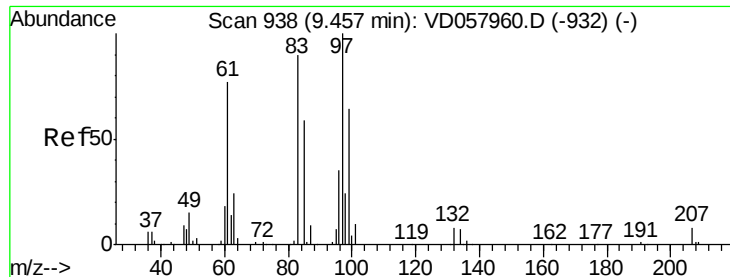
Tot Ion: 75 Resp: 1772738
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.3 36.5



#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

Tot Ion: 97 Resp: 853487

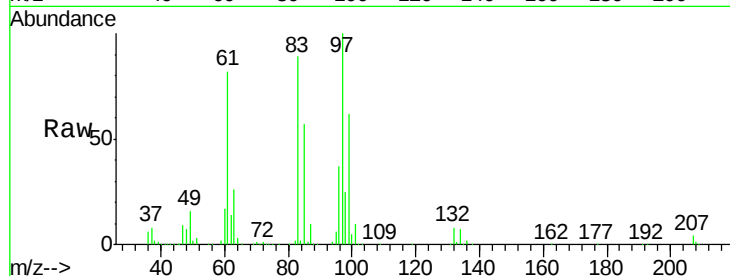
Ion Ratio Lower Upper

97 100

83 88.8 71.8 107.8

85 57.4 47.2 70.8

99 62.1 51.4 77.0

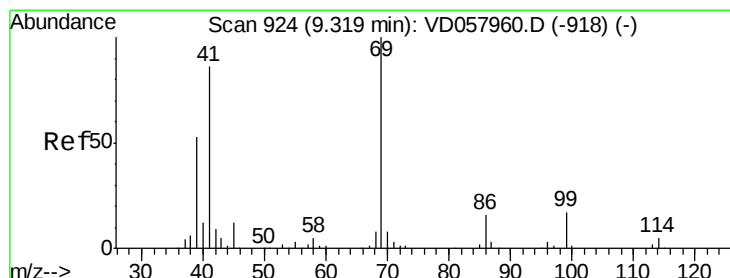
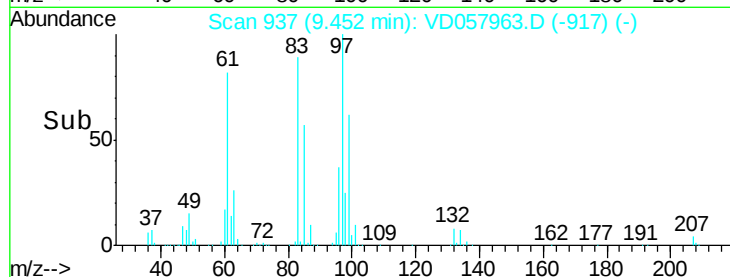
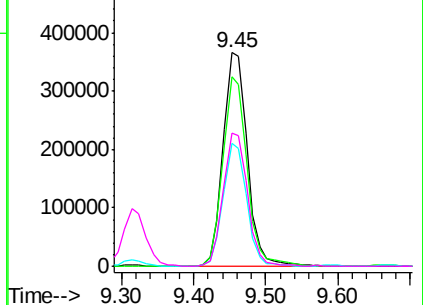


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

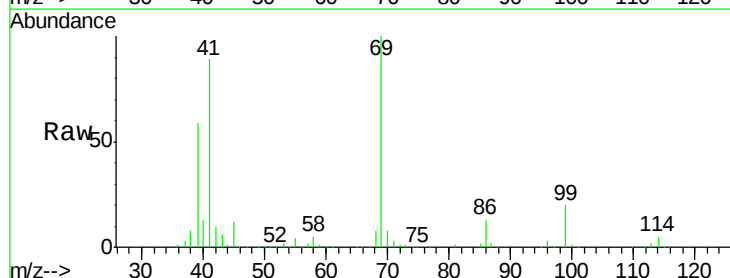
Tgt Ion: 69 Resp: 1096925

Ion Ratio Lower Upper

69 100

41 89.5 68.4 102.6

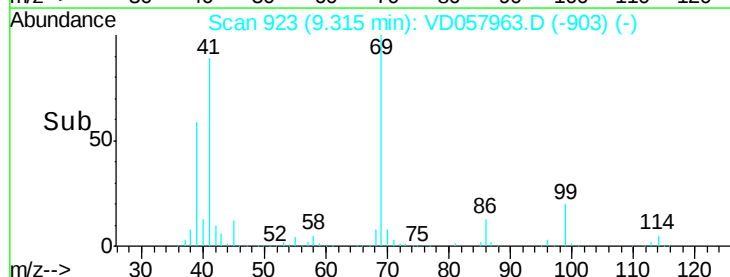
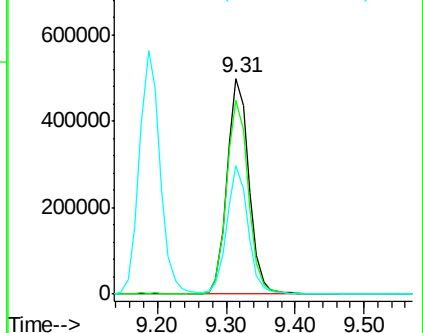
39 59.3 43.0 64.4

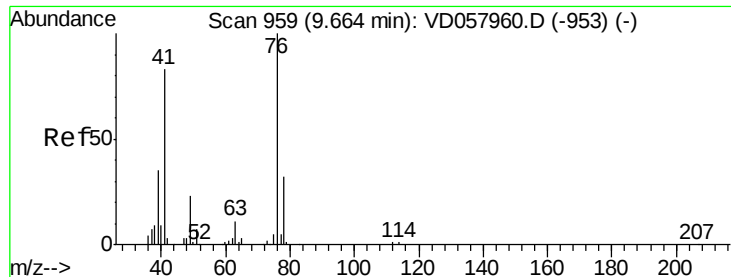


Abundance Ion 69.00 (68.70 to 69.70): VDC

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 :

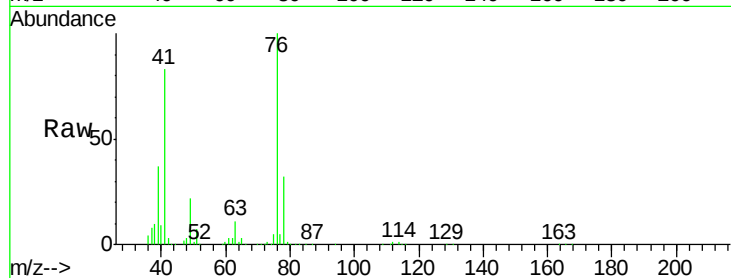
VSTDIC150

Tot Ion: 76 Resp: 1486385

Ion Ratio Lower Upper

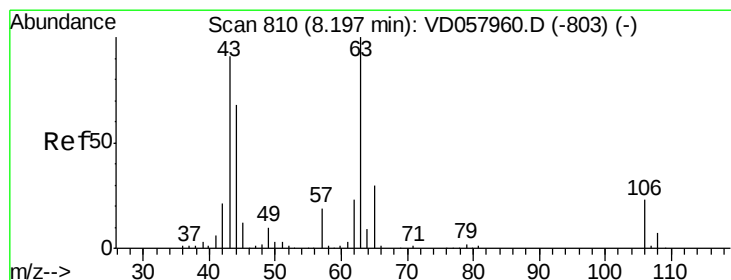
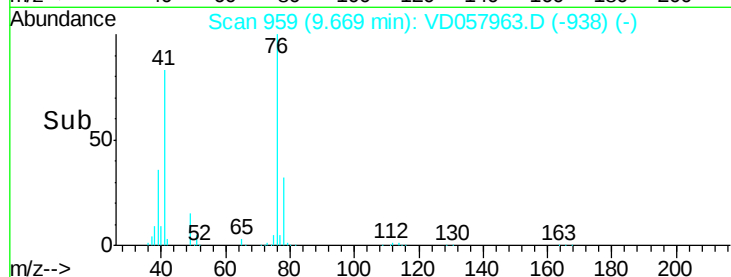
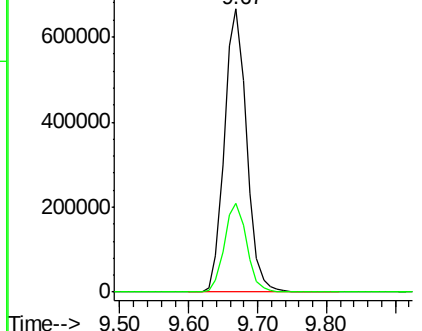
76 100

78 31.6 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 623.50 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD057963.D

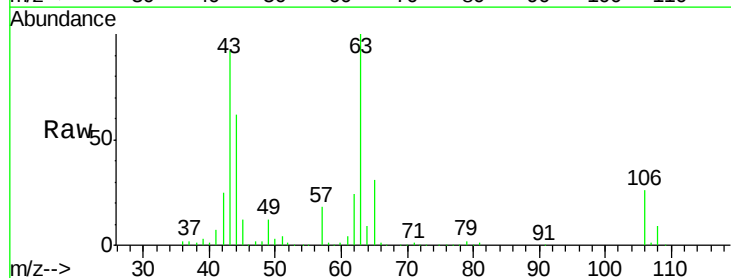
Acq: 6 Jun 2018 20:43

Tgt Ion: 63 Resp: 2363948

Ion Ratio Lower Upper

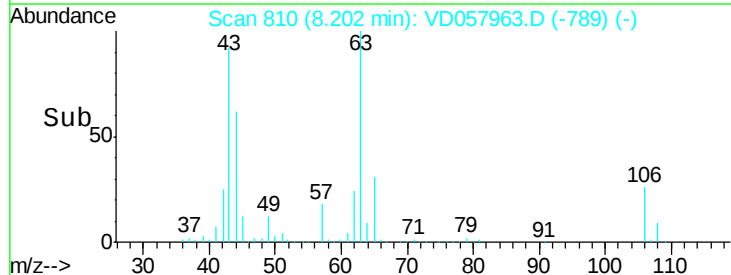
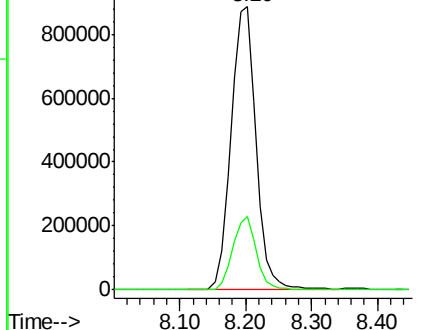
63 100

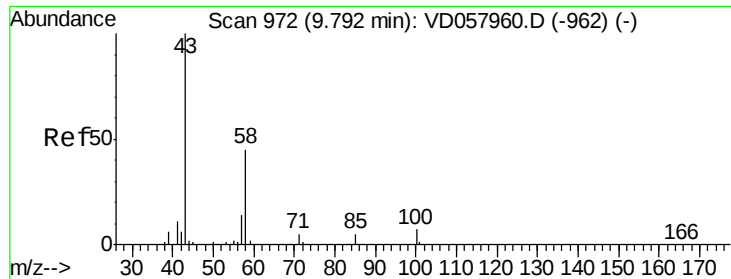
106 26.0 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

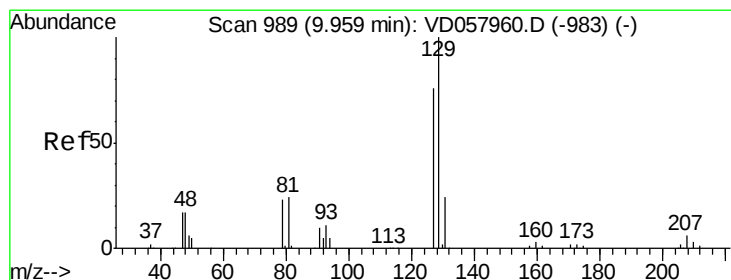
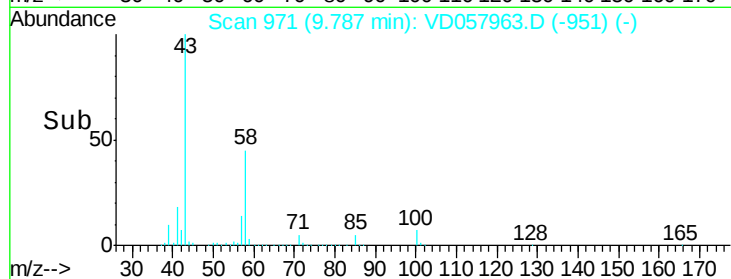
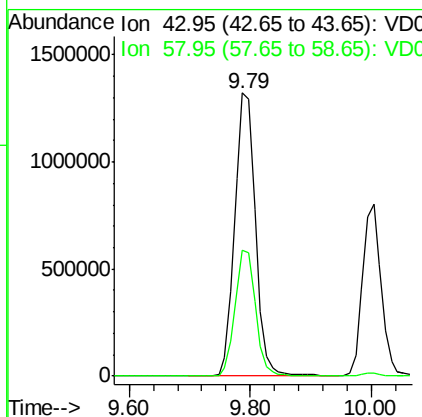
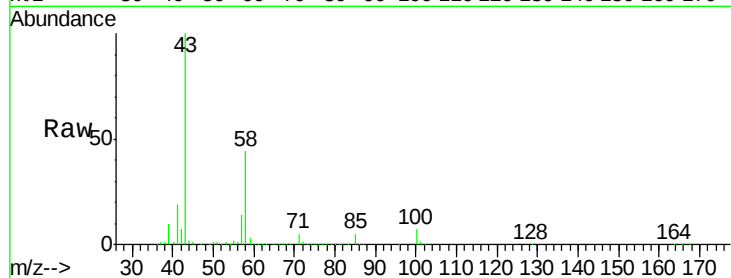




#59
2-Hexanone
Concen: 665.33 ug/l
RT: 9.79 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

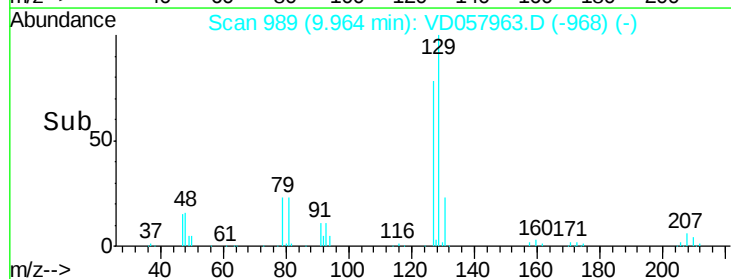
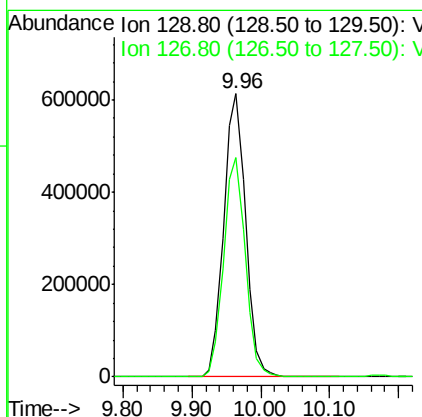
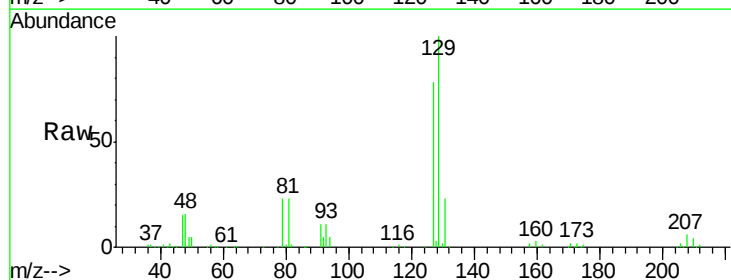
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

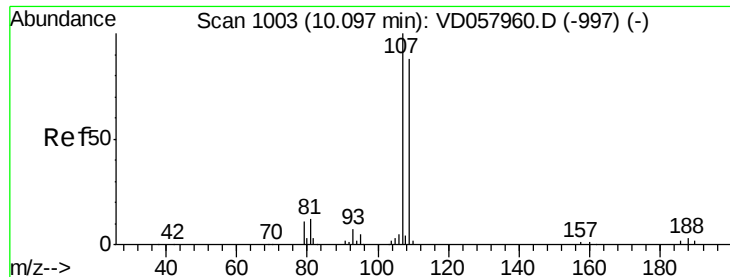
Tot Ion: 43 Resp: 3151427
Ion Ratio Lower Upper
43 100
58 44.5 22.5 67.5



#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 :

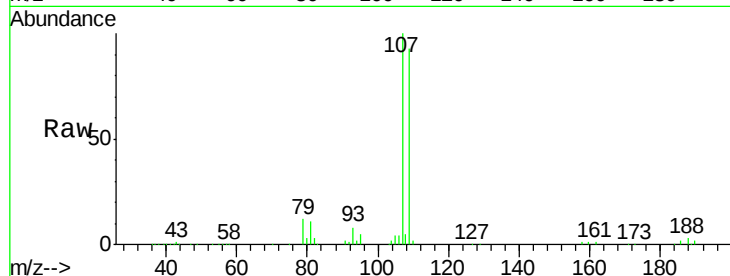
VSTDIC150

Tot Ion:107 Resp: 1041892

Ion Ratio Lower Upper

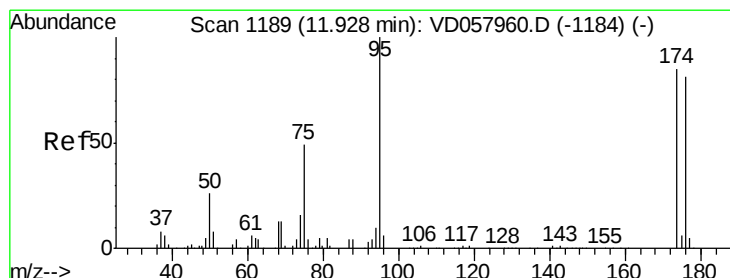
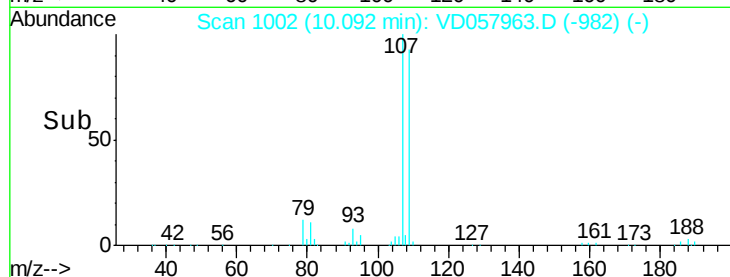
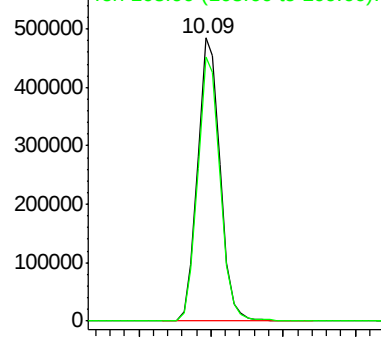
107 100

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

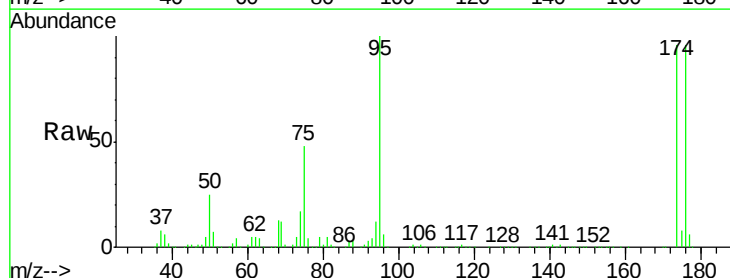
Tgt Ion: 95 Resp: 1277080

Ion Ratio Lower Upper

95 100

174 96.2 0.0 169.4

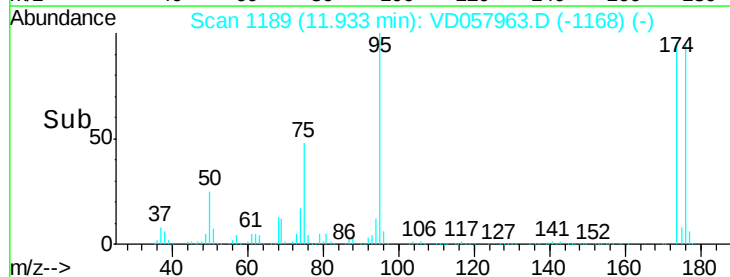
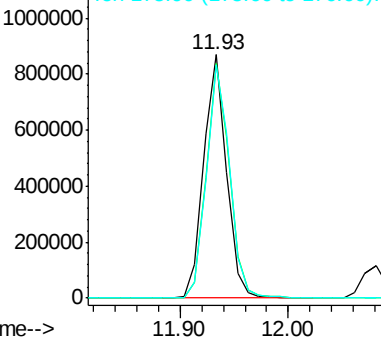
176 95.6 0.0 162.6

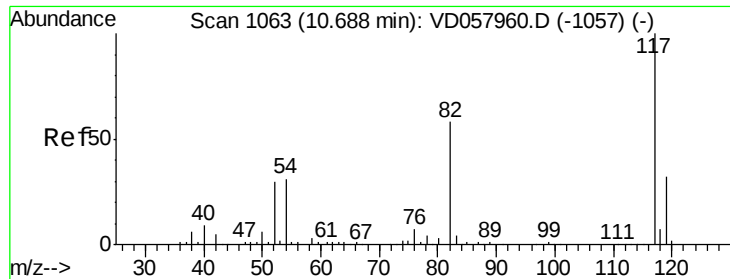


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

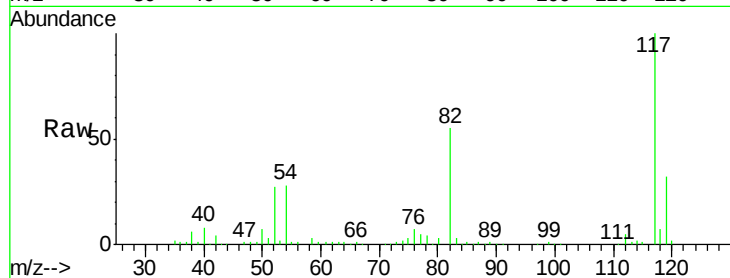




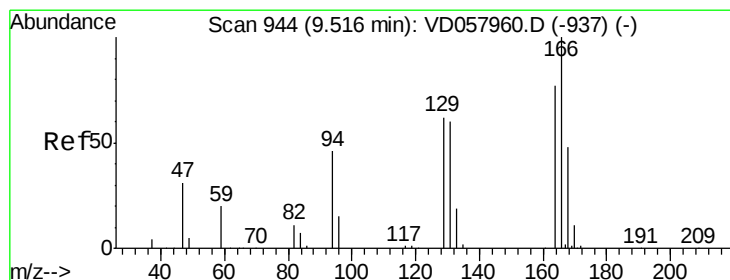
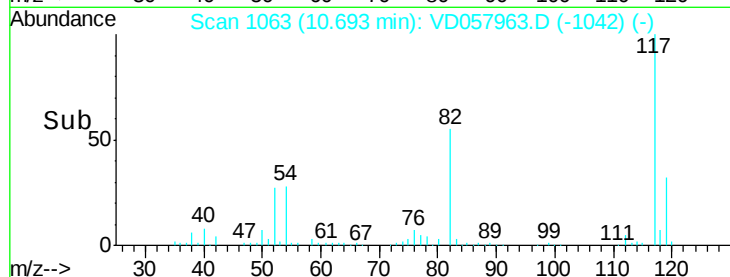
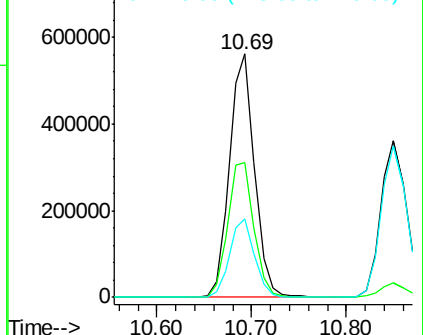
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

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

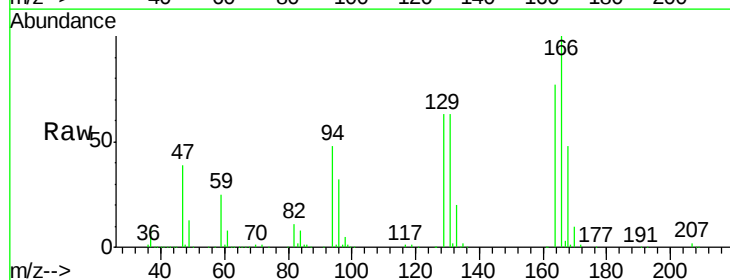


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

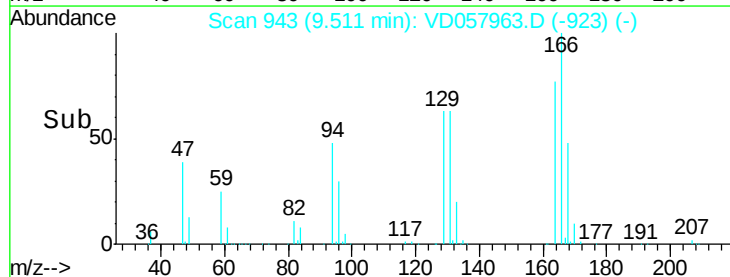
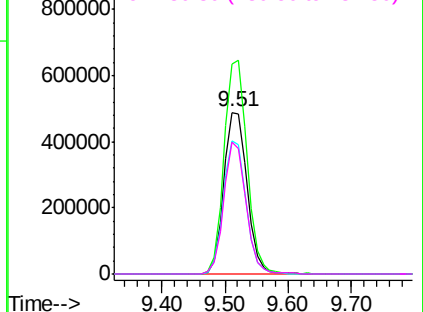


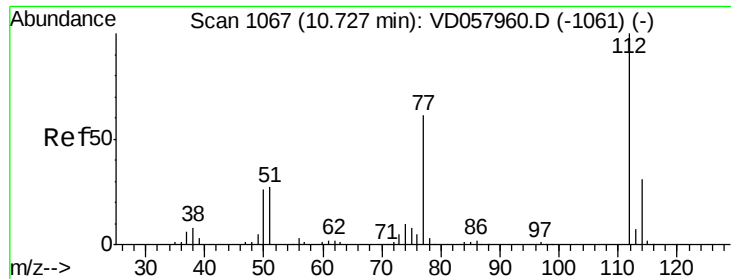
#64
Tetrachloroethene
Concen: 136.32 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

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

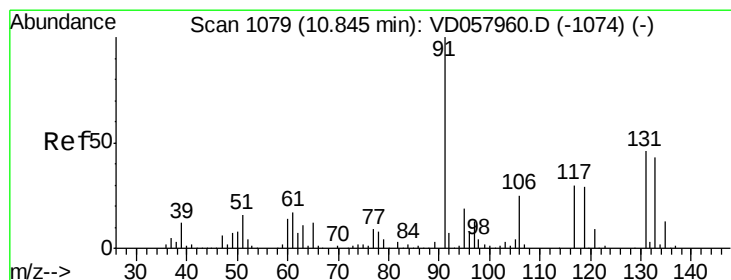
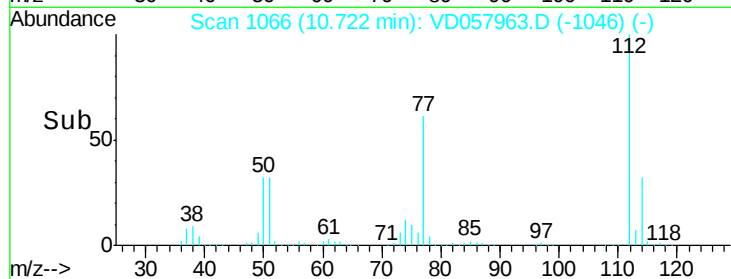
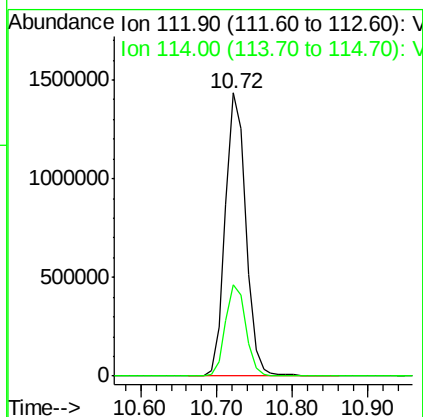
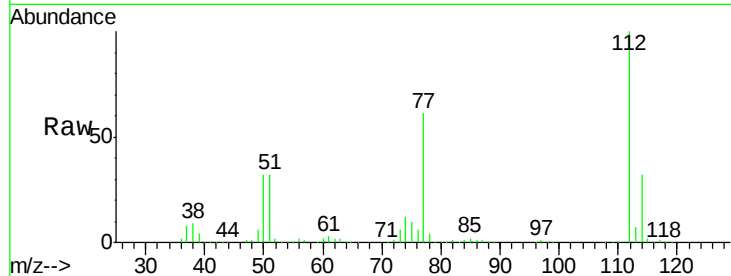




#65
Chlorobenzene
Concen: 130.31 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

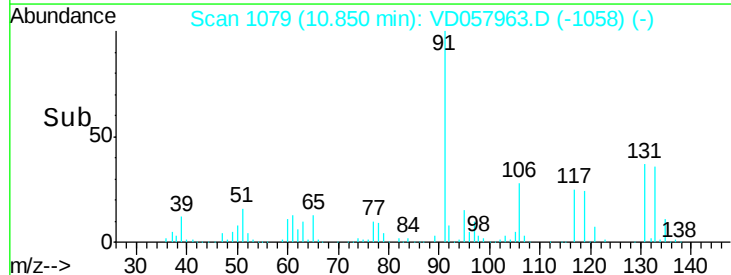
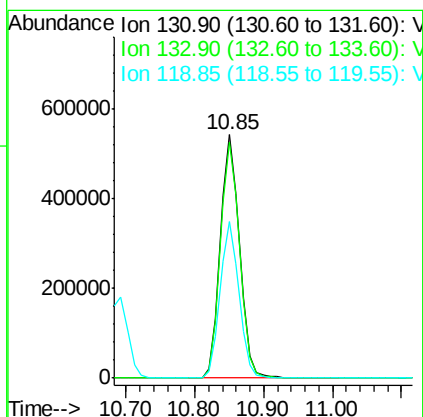
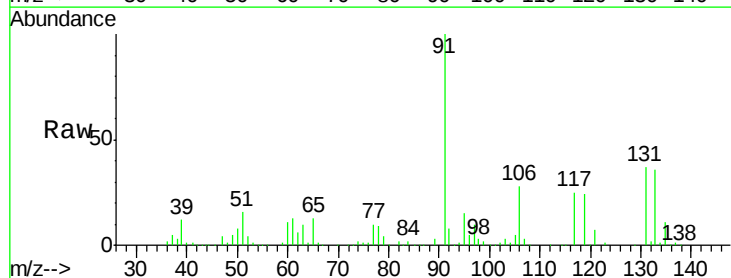
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

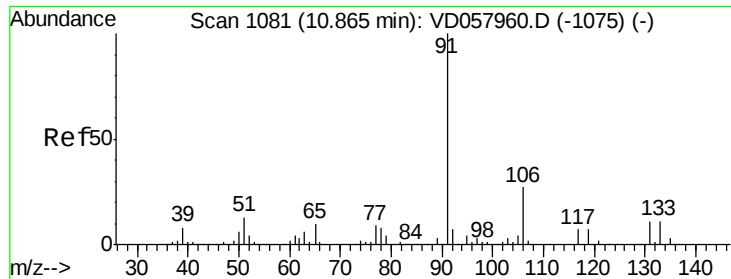
Tot Ion:112 Resp: 2705322
Ion Ratio Lower Upper
112 100
114 32.3 24.9 37.3



#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

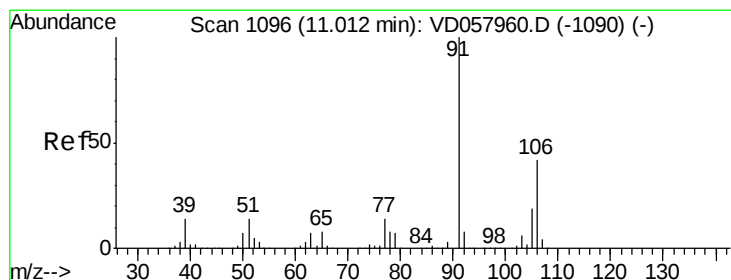
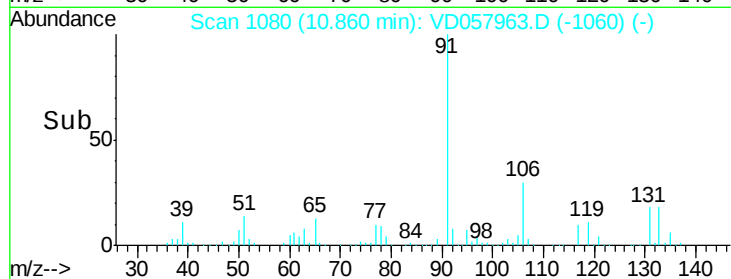
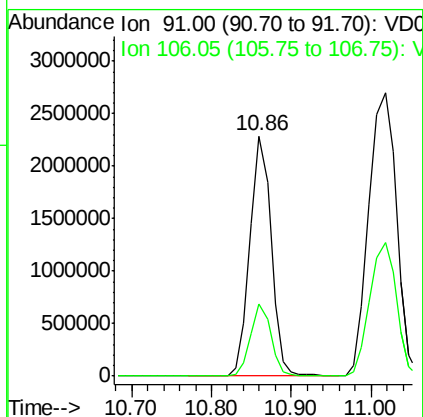
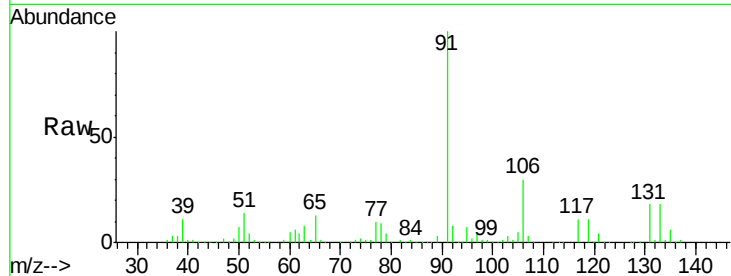




#67
Ethyl Benzene
Concen: 112.13 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

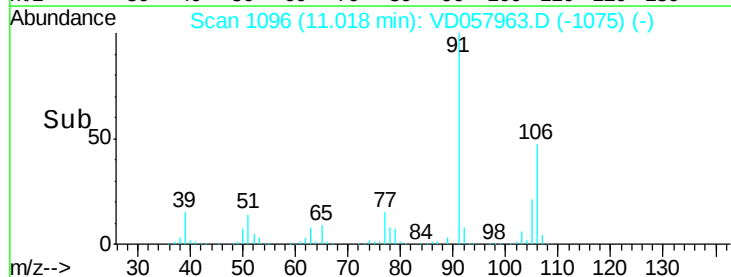
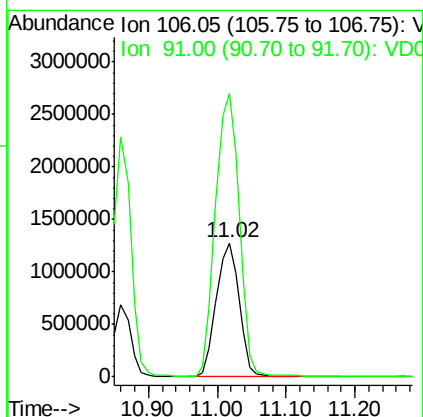
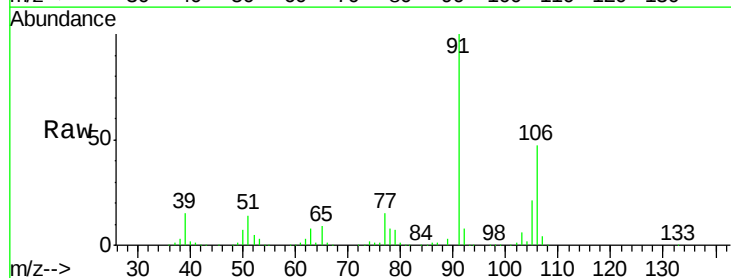
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

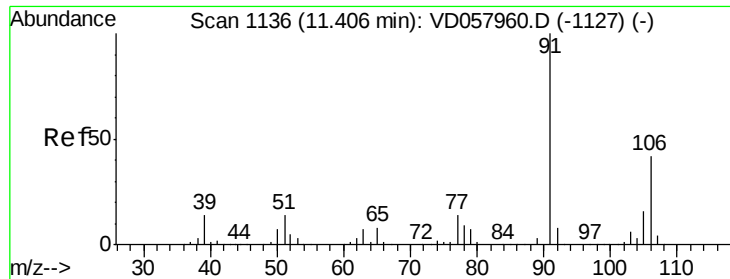
Tot Ion: 91 Resp: 4205765
Ion Ratio Lower Upper
91 100
106 30.2 21.5 32.3



#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

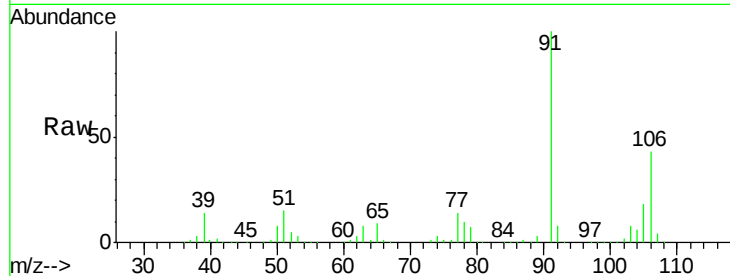




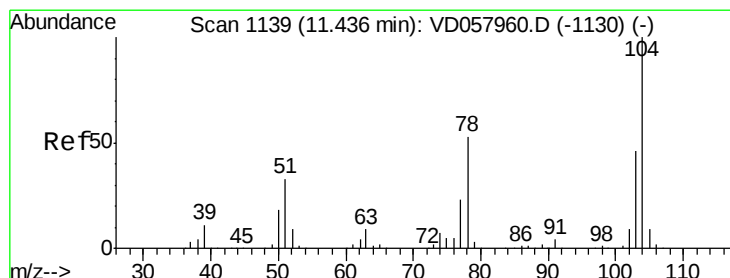
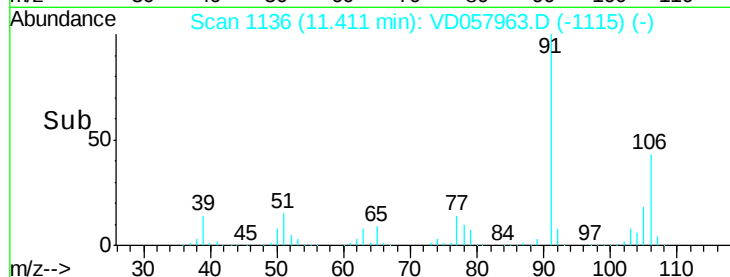
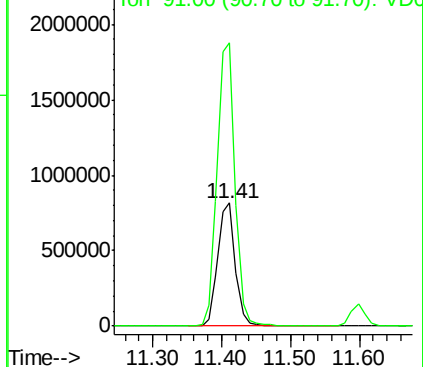
#69
o-Xylene
Concen: 117.50 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

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

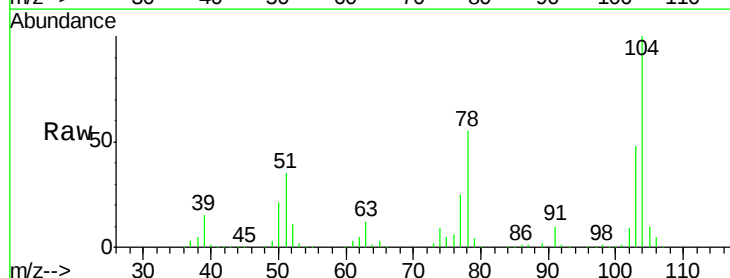


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

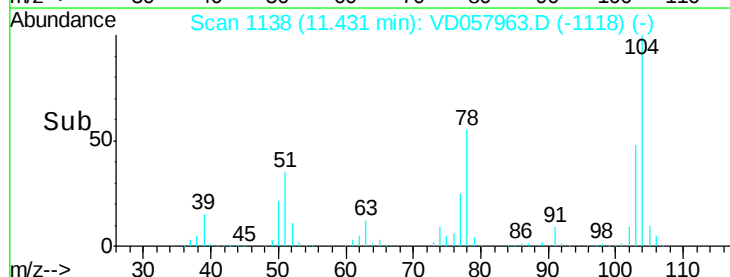
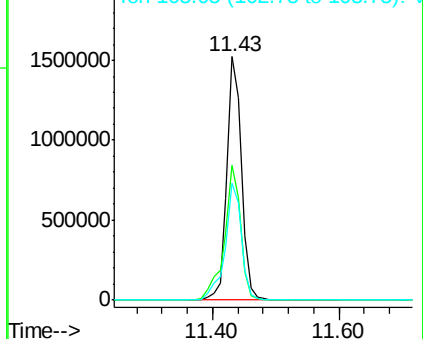


#70
Styrene
Concen: 121.35 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

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

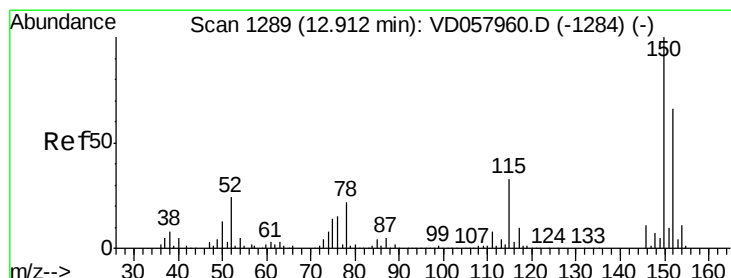
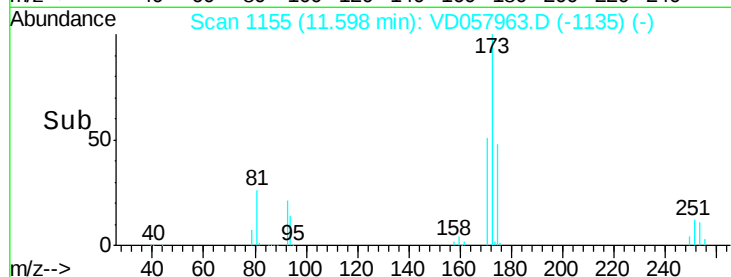
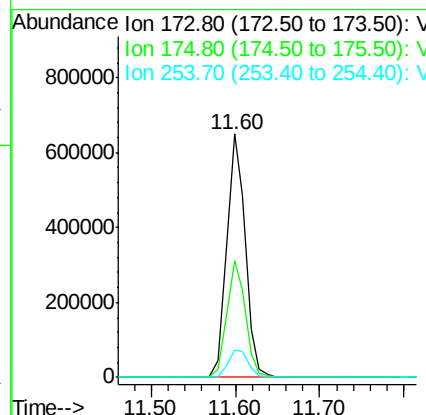
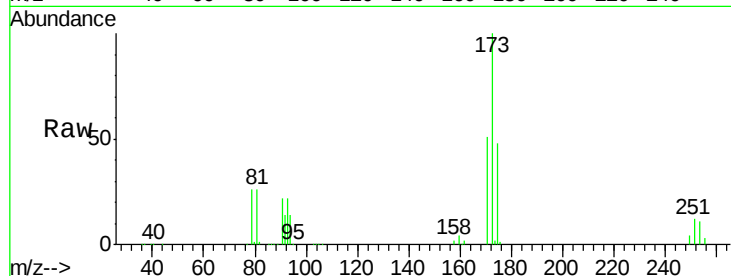




#71
Bromoform
Concen: 164.35 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

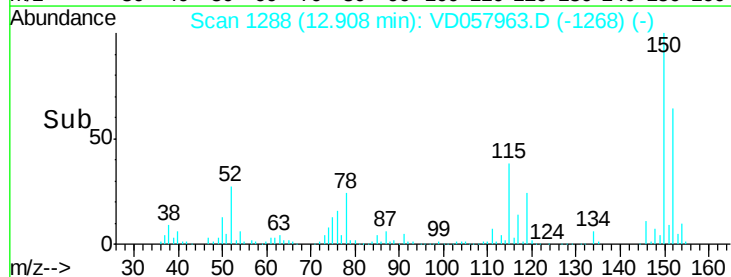
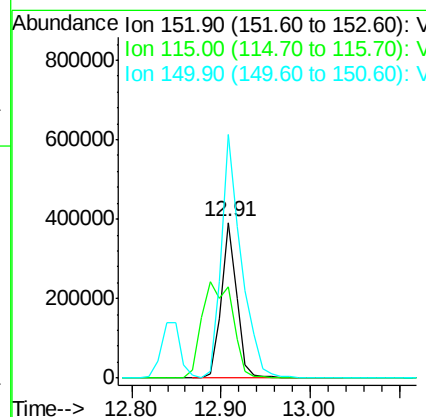
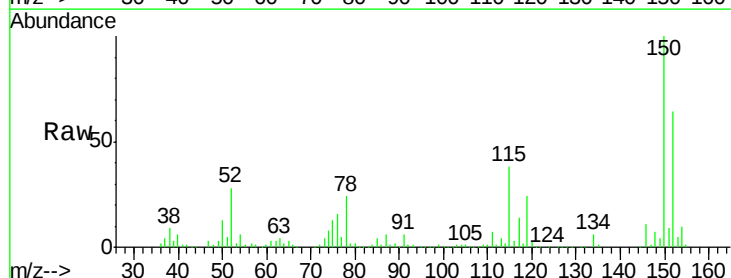
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

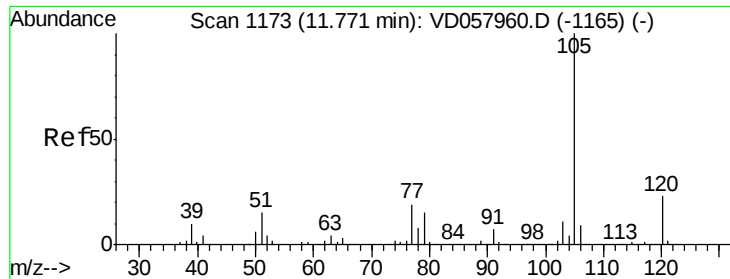
Tot Ion:173 Resp: 986159
Ion Ratio Lower Upper
173 100
175 48.1 25.1 75.2
254 11.3 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: 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





#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 :

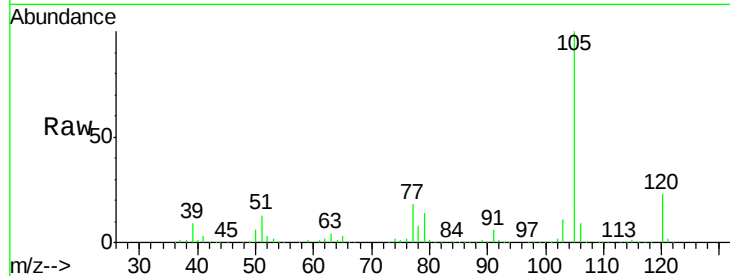
VSTDIC150

Tot Ion:105 Resp: 4358686

Ion Ratio Lower Upper

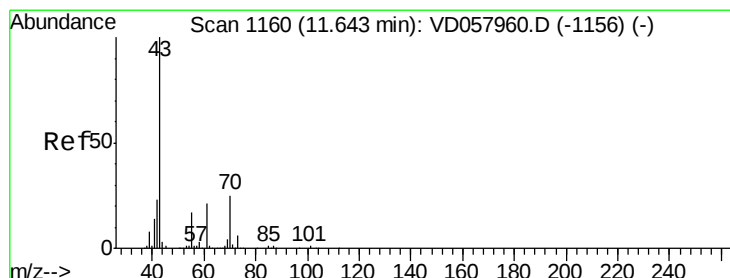
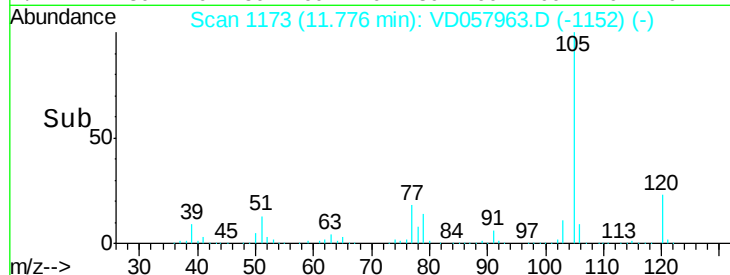
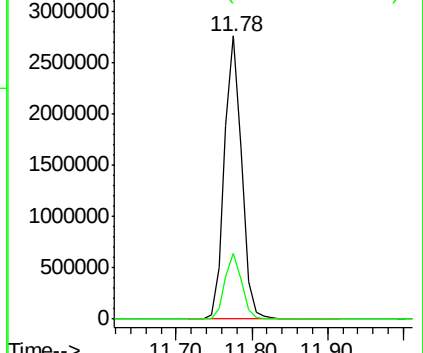
105 100

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

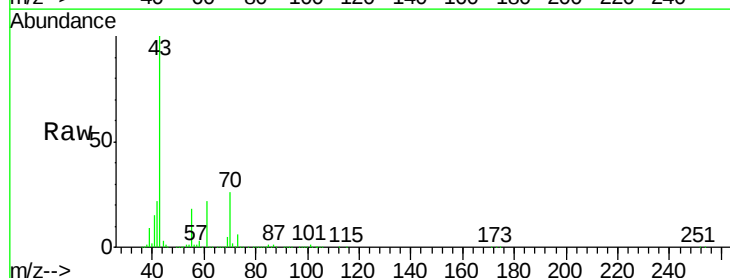
Ion Ratio Lower Upper

43 100

70 26.3 20.3 30.5

55 18.2 13.9 20.9

61 22.3 16.6 24.8

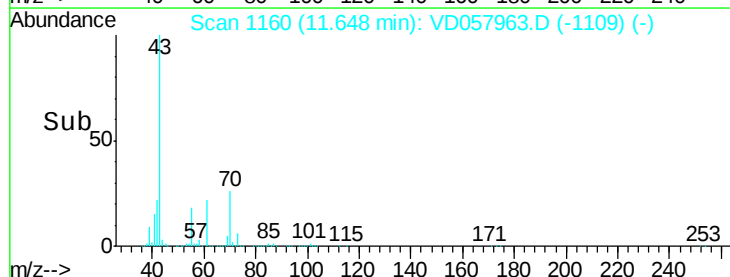
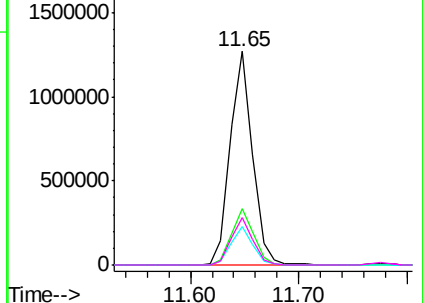


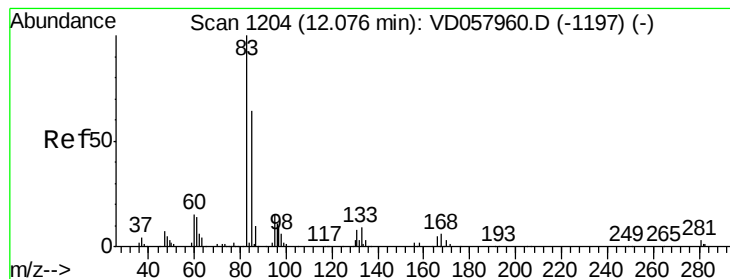
Abundance Ion 42.95 (42.65 to 43.65): VDC

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

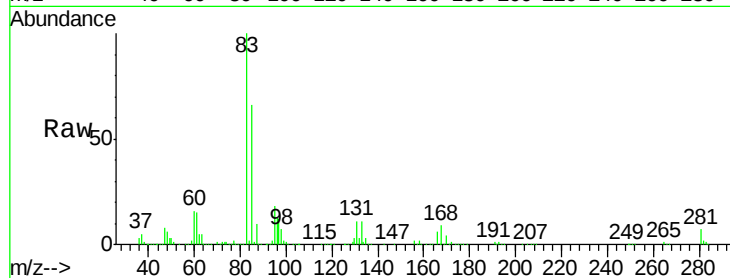
Tot Ion: 83 Resp: 956429

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.2	12.6
85	66.3	31.9	95.5

83 100

131 10.7 4.2 12.6

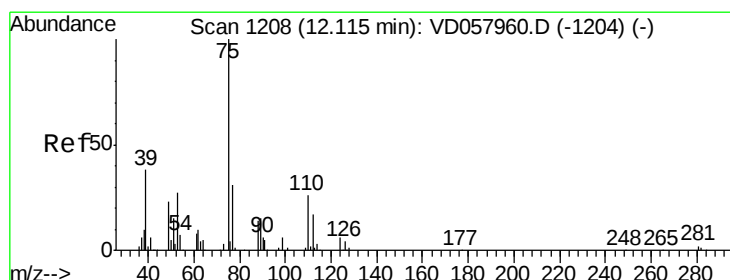
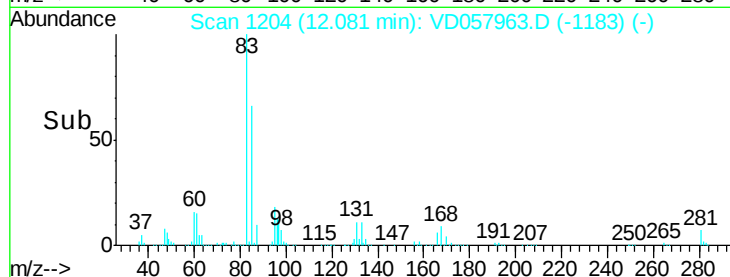
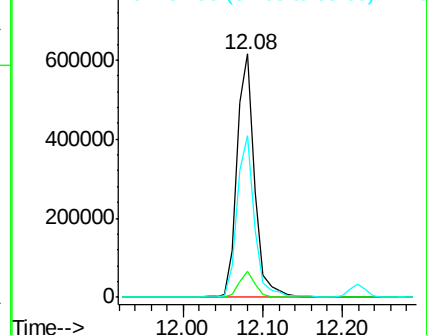
85 66.3 31.9 95.5



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

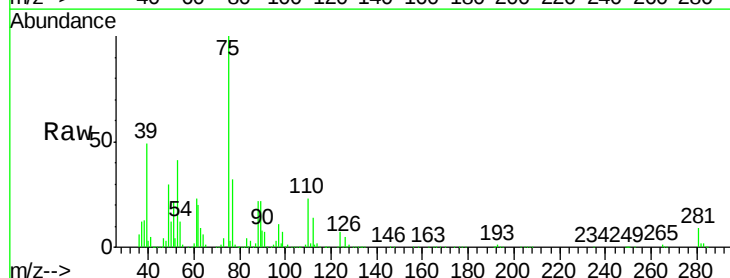
Acq: 6 Jun 2018 20:43

Tgt Ion: 75 Resp: 1018857

Ion	Ratio	Lower	Upper
75	100		
77	31.8	16.7	50.1

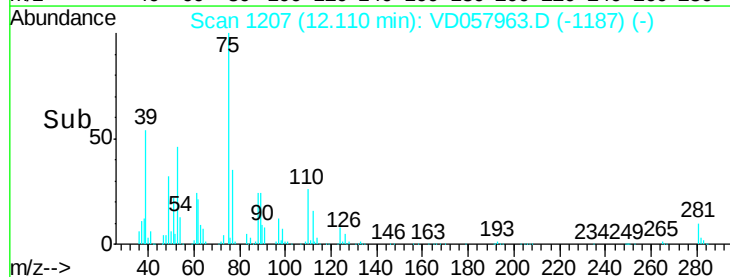
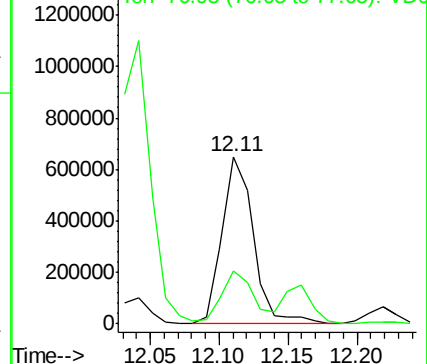
75 100

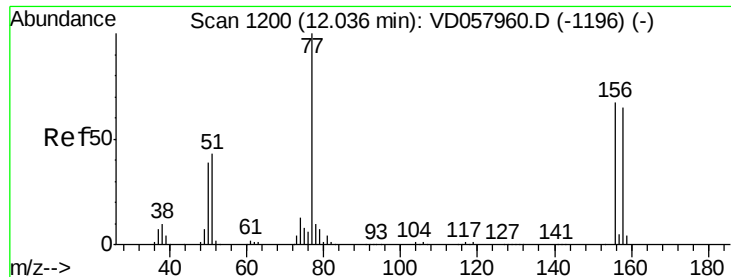
77 31.8 16.7 50.1



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

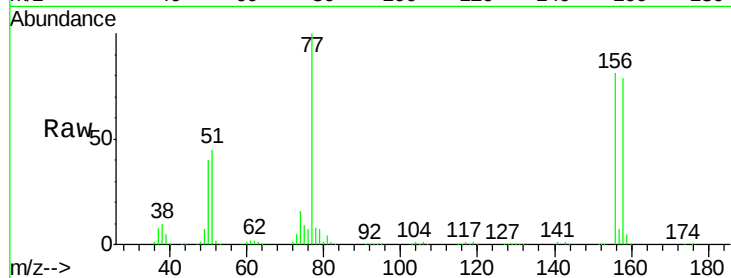
Tot Ion:156 Resp: 1323423

Ion Ratio Lower Upper

156 100

77 124.0 75.0 224.8

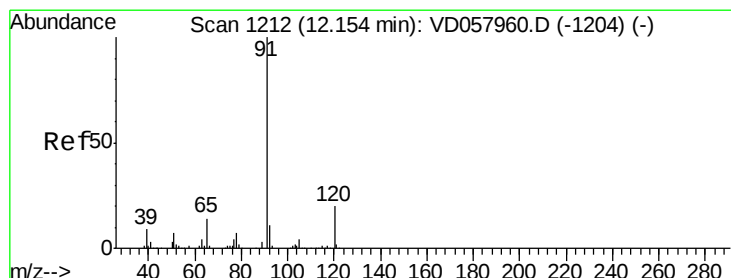
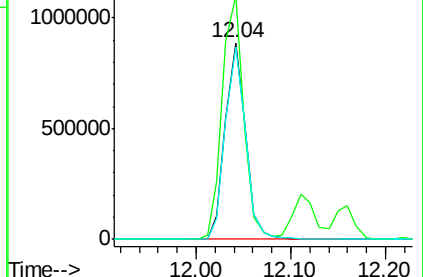
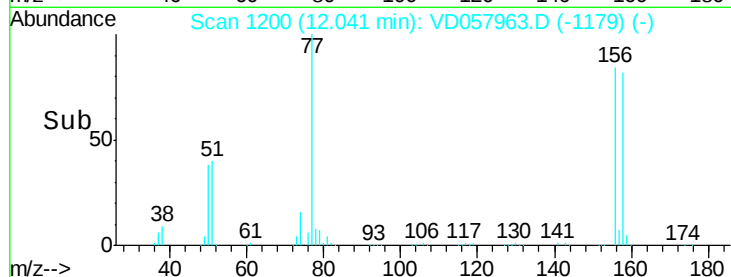
158 98.3 48.6 145.9



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

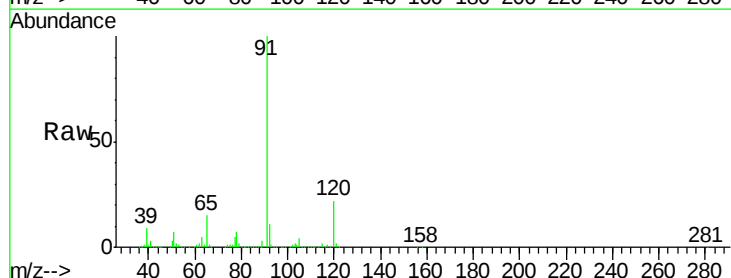
Acq: 6 Jun 2018 20:43

Tgt Ion: 91 Resp: 4986406

Ion Ratio Lower Upper

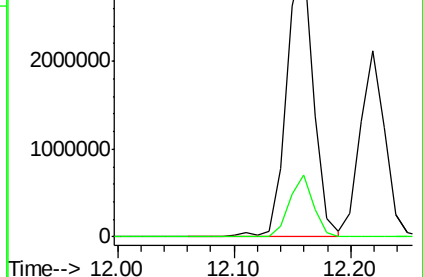
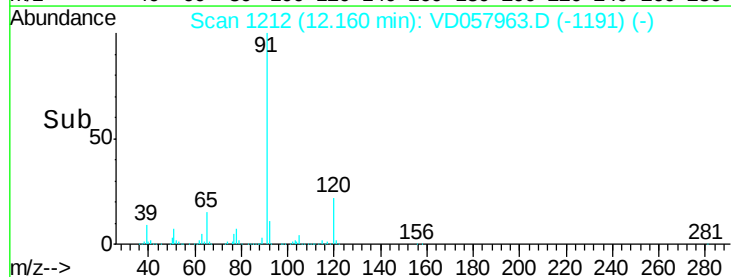
91 100

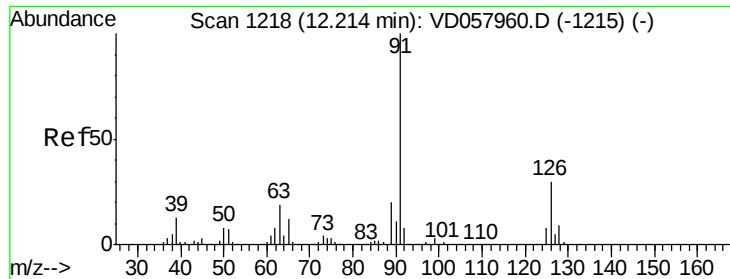
120 22.0 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

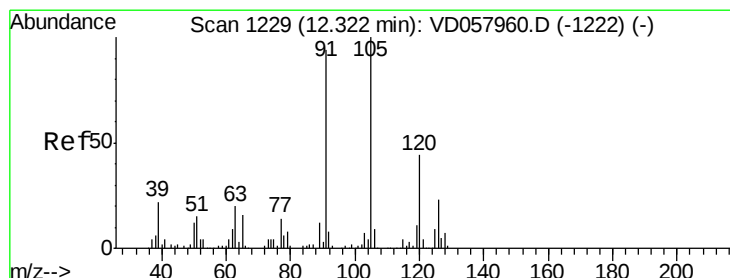
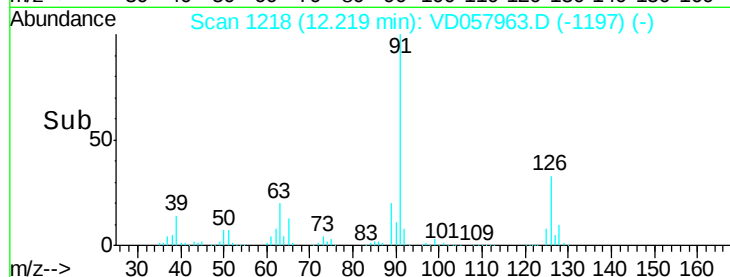
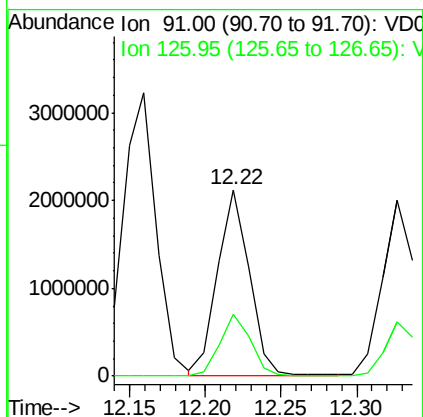
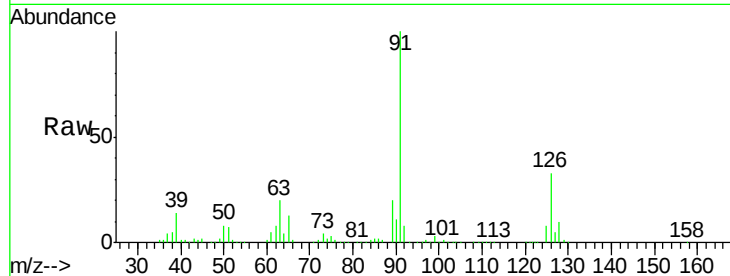




#79
 2-Chlorotoluene
 Concen: 132.42 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

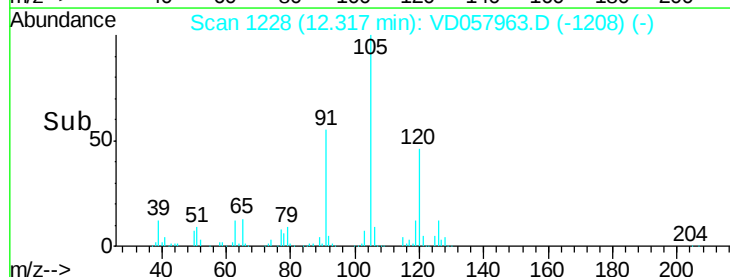
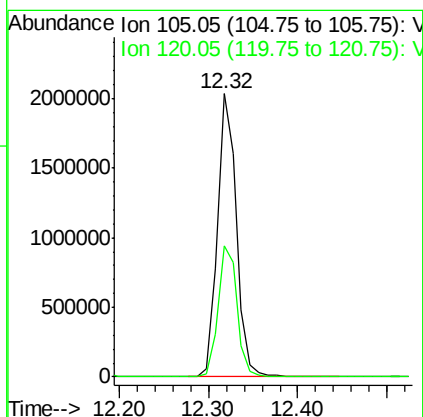
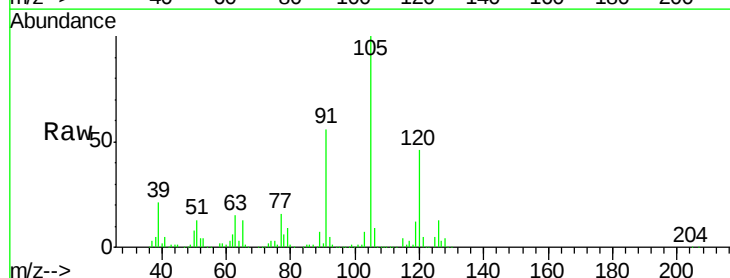
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot 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

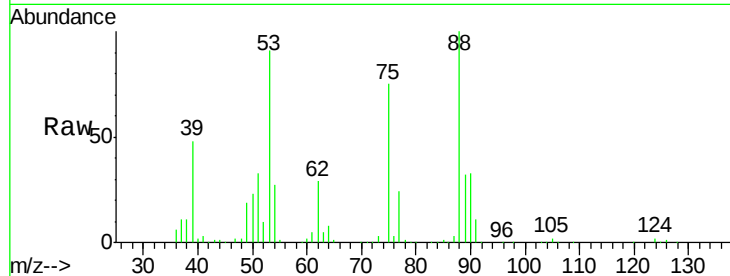
Tot Ion: 75 Resp: 300757

Ion Ratio Lower Upper

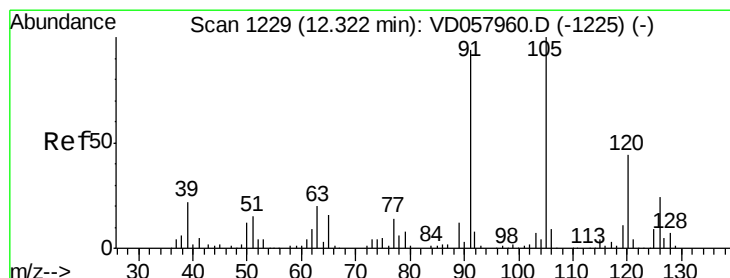
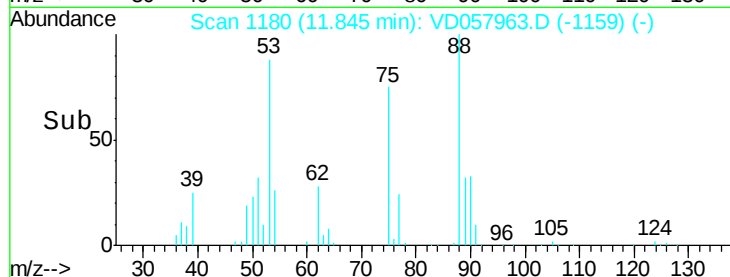
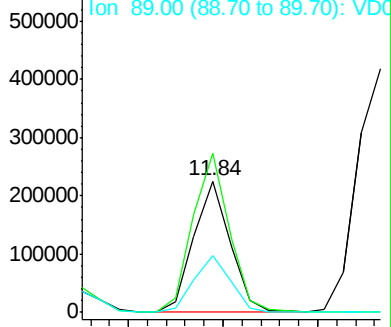
75 100

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

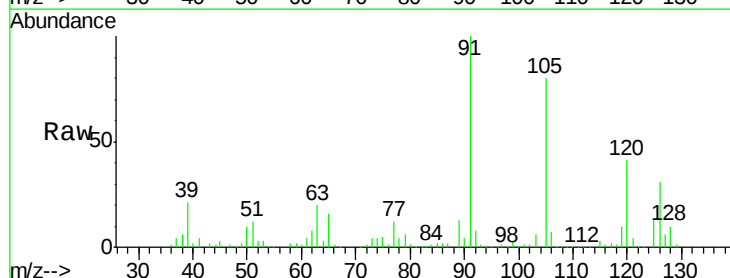
Acq: 6 Jun 2018 20:43

Tgt Ion: 91 Resp: 3004276

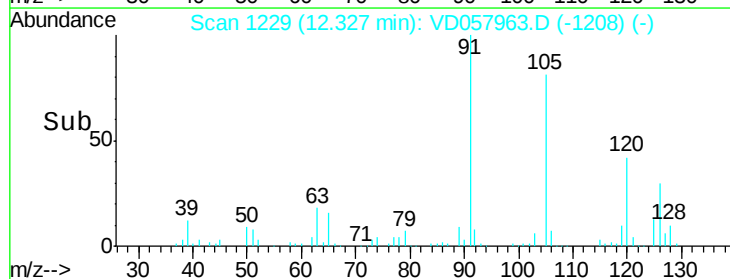
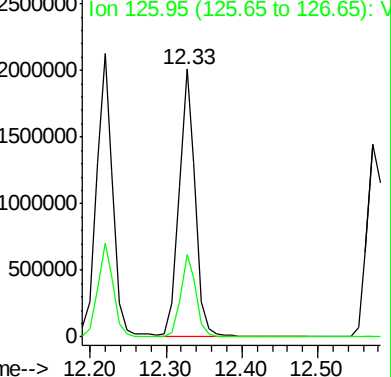
Ion Ratio Lower Upper

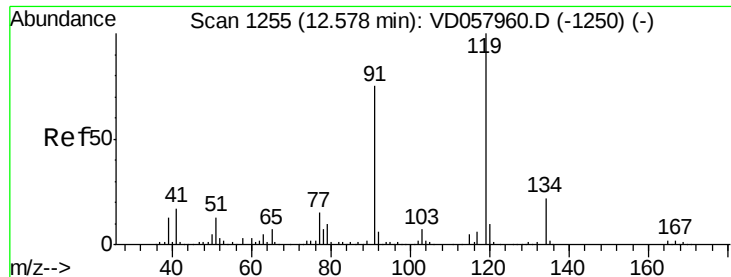
91 100

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

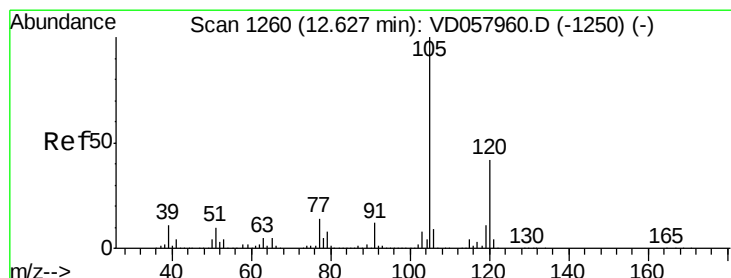
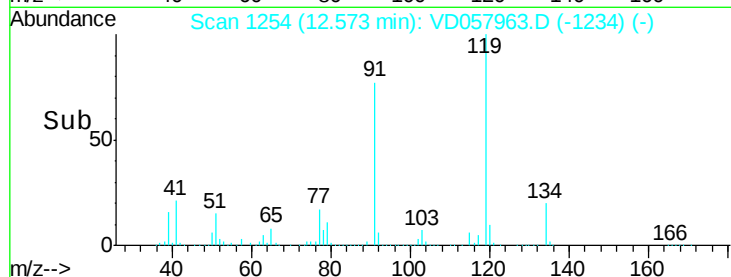
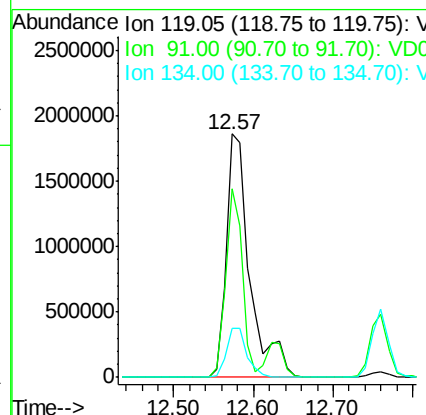
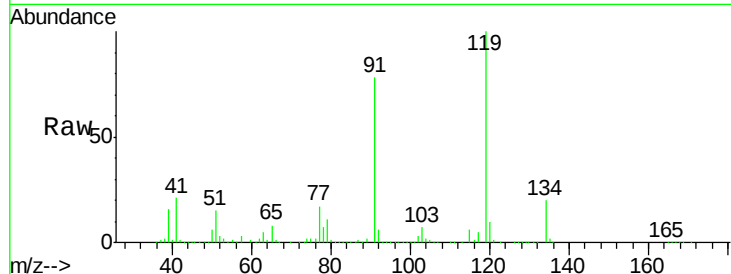




#83
tert-Butylbenzene
Concen: 139.65 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

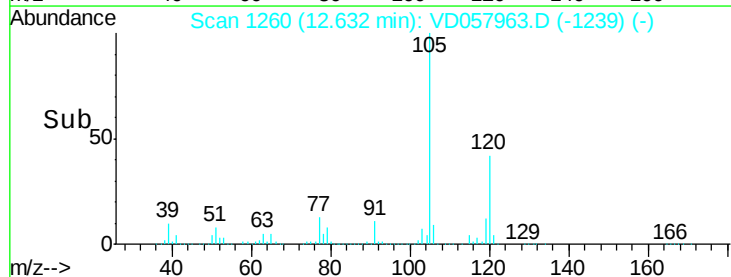
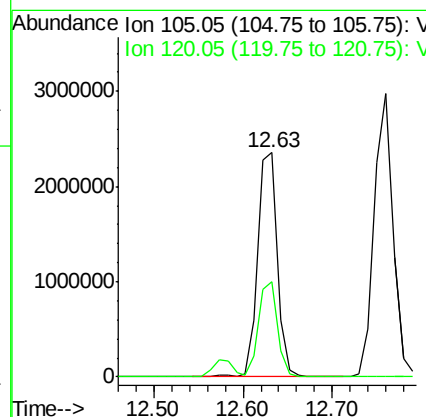
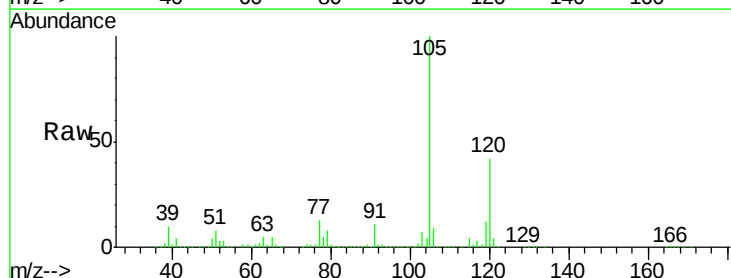
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

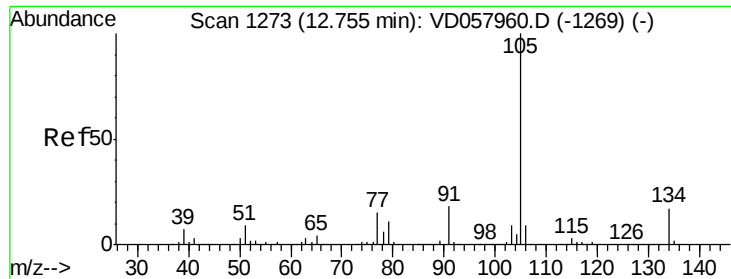
Tot Ion:119 Resp: 3875692
Ion Ratio Lower Upper
119 100
91 77.7 37.6 112.9
134 20.0 11.2 33.5



#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 :

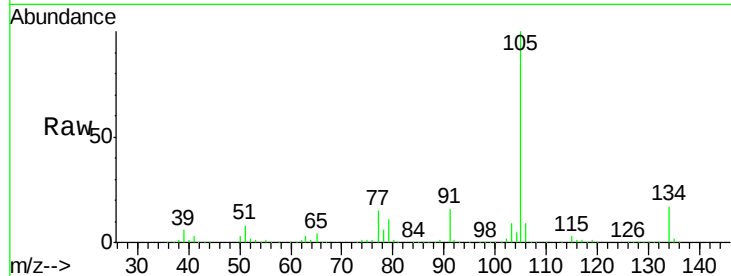
VSTDIC150

Tot Ion:105 Resp: 4293136

Ion Ratio Lower Upper

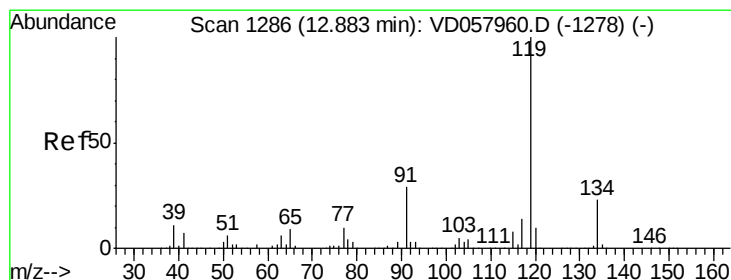
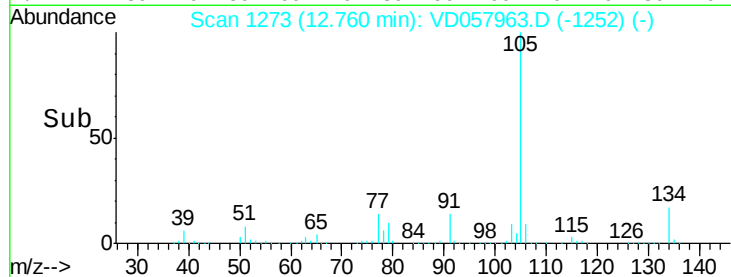
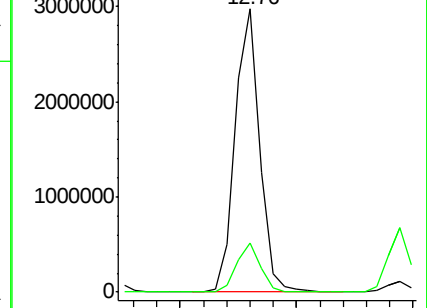
105 100

134 17.4 8.3 25.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 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

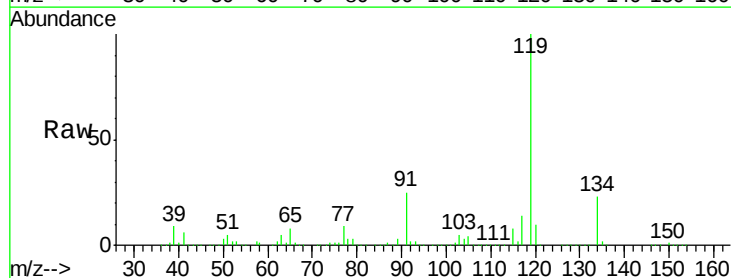
Tgt Ion:119 Resp: 3741174

Ion Ratio Lower Upper

119 100

134 23.0 11.5 34.4

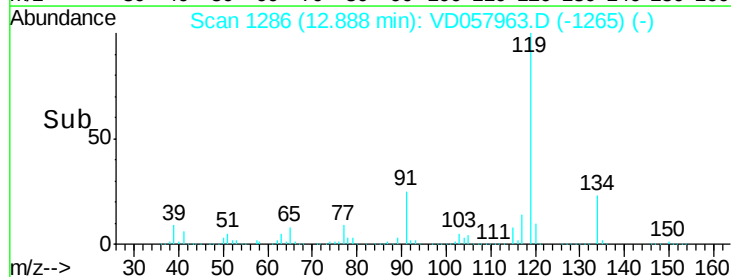
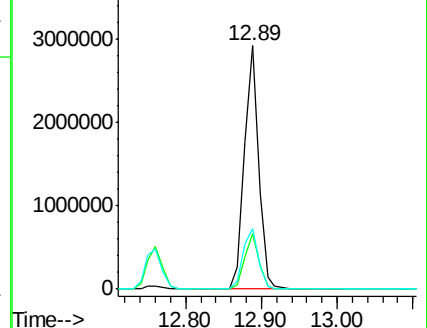
91 25.0 14.5 43.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

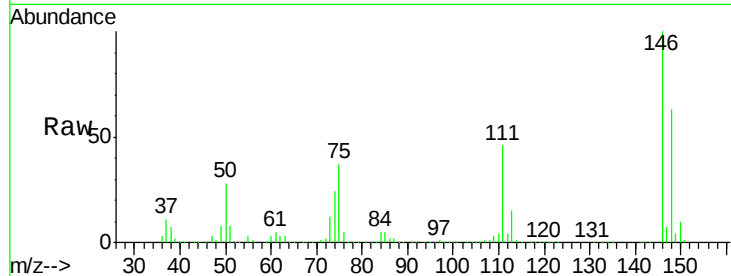




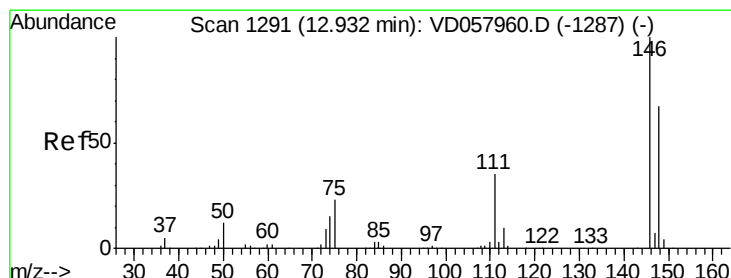
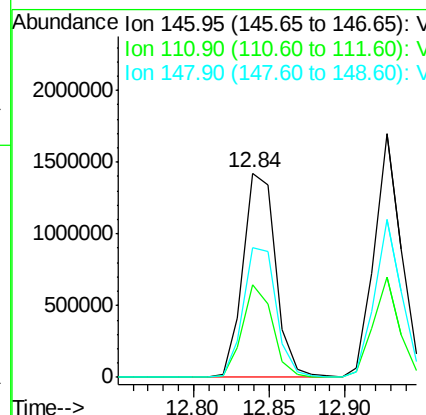
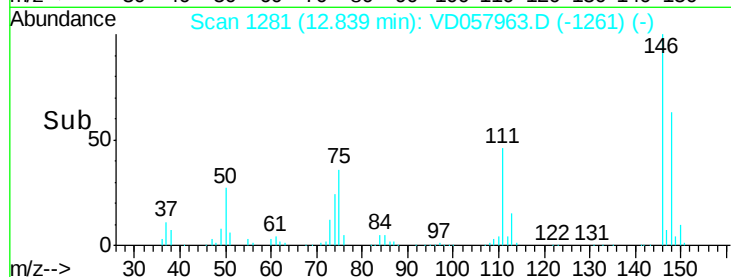
#87
 1,3-Dichlorobenzene
 Concen: 135.96 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2145618
 Ion Ratio Lower Upper
 146 100
 111 45.5 19.1 57.3
 148 63.2 32.0 96.2

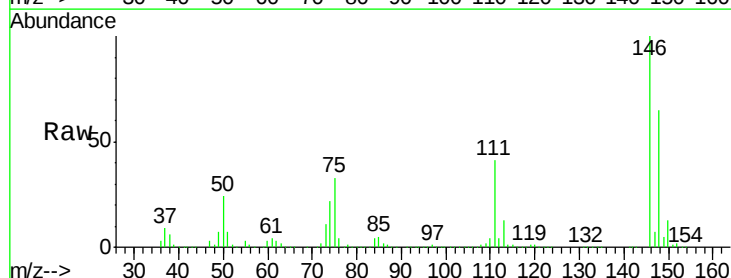


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

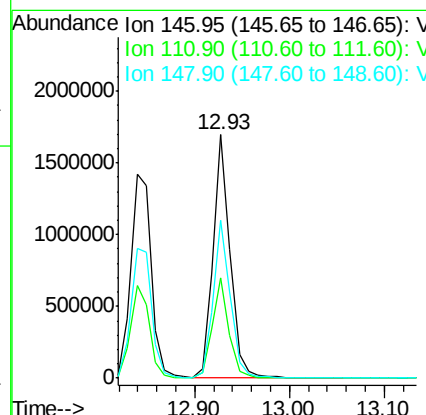
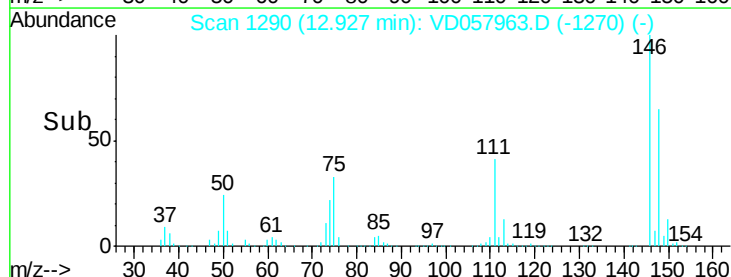


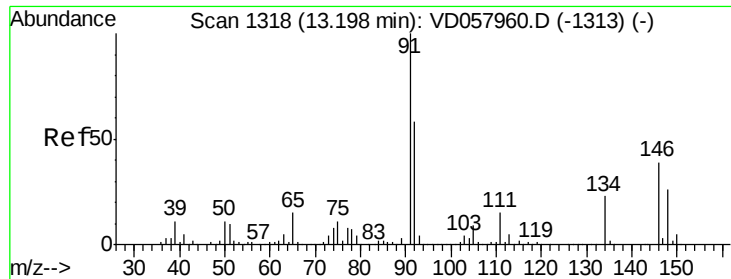
#88
 1,4-Dichlorobenzene
 Concen: 139.93 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

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

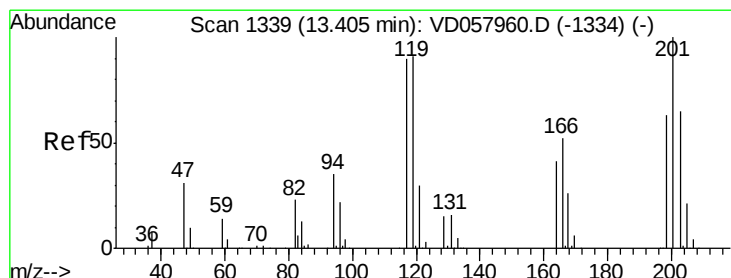
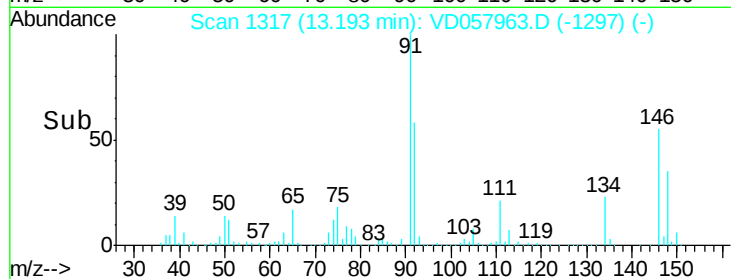
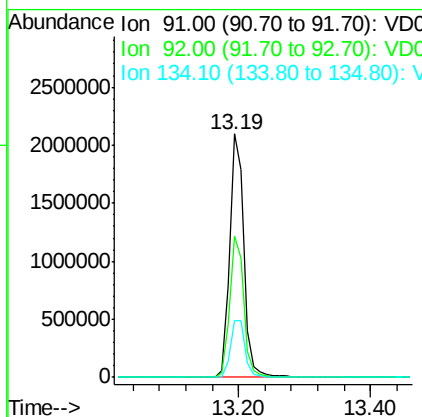
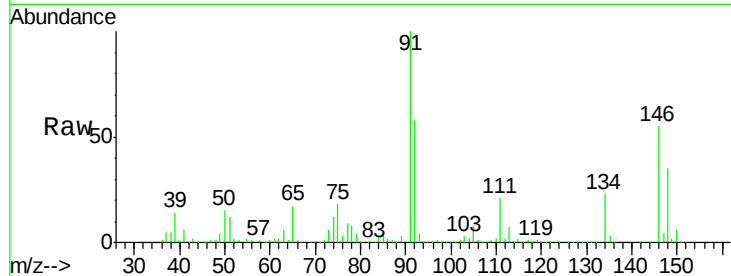




#89
n-Butylbenzene
Concen: 113.98 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

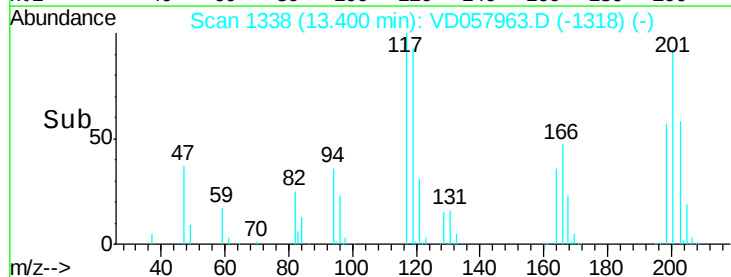
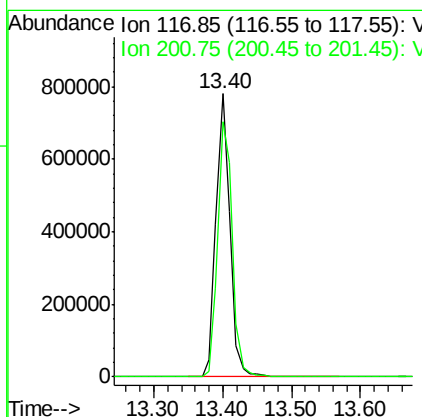
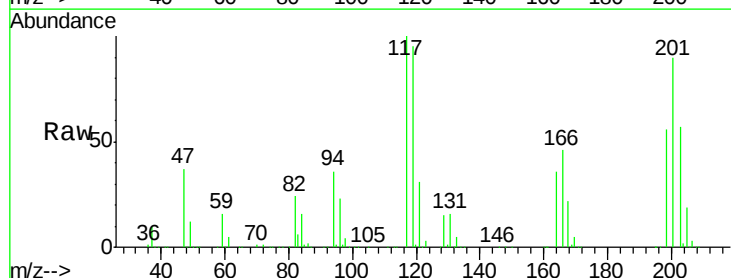
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

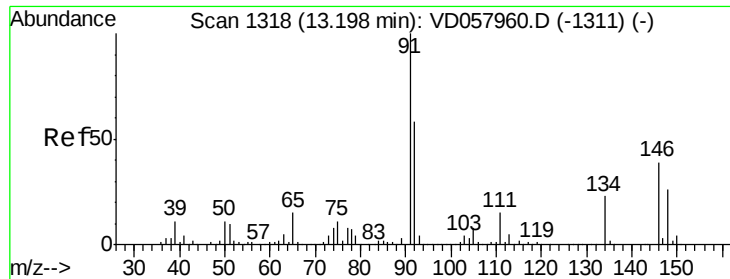
Tot Ion: 91 Resp: 3166538
Ion Ratio Lower Upper
91 100
92 58.1 29.2 87.6
134 23.3 11.3 33.9



#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

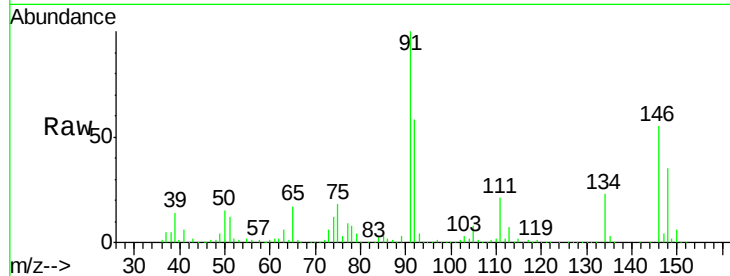




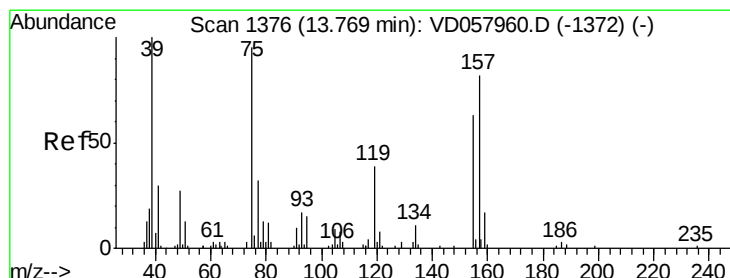
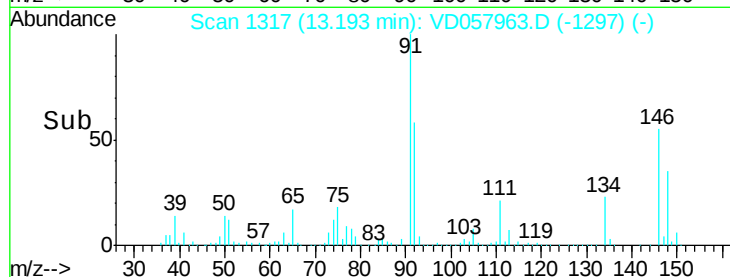
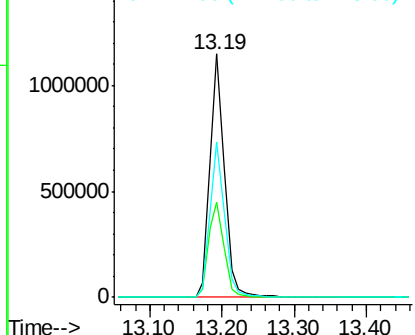
#91
 1,2-Dichlorobenzene
 Concen: 125.12 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1595721
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.4 58.2
 148 63.9 32.6 98.0

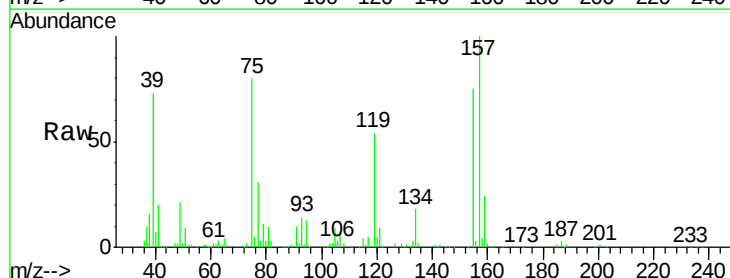


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

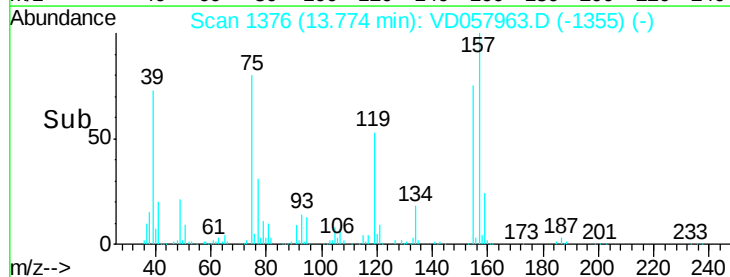
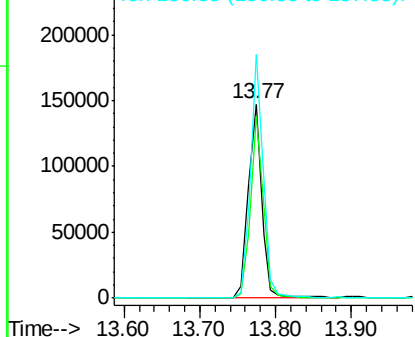


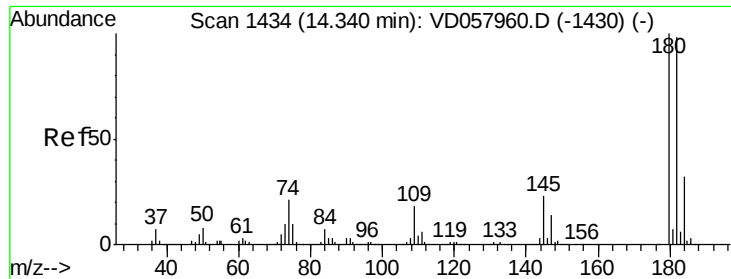
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 172.89 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

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

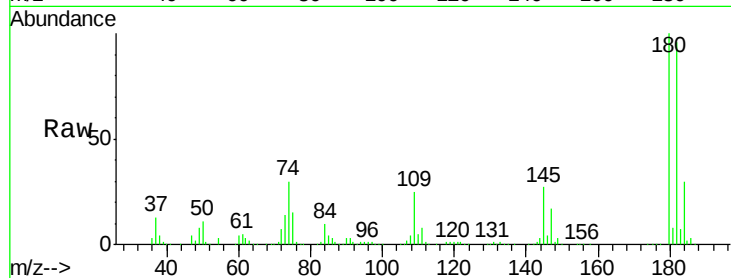




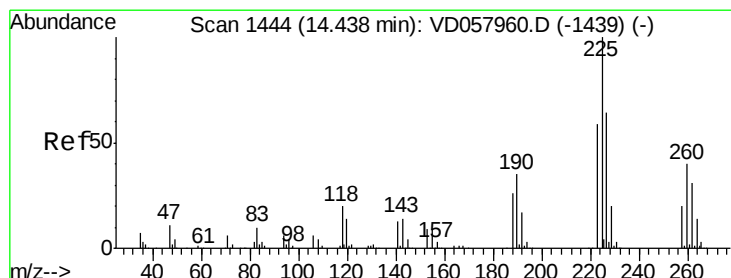
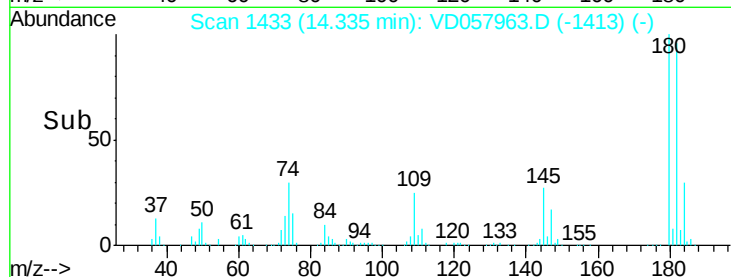
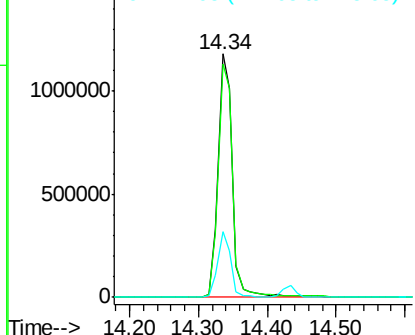
#93
 1,2,4-Trichlorobenzene
 Concen: 141.90 ug/l
 RT: 14.34 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

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

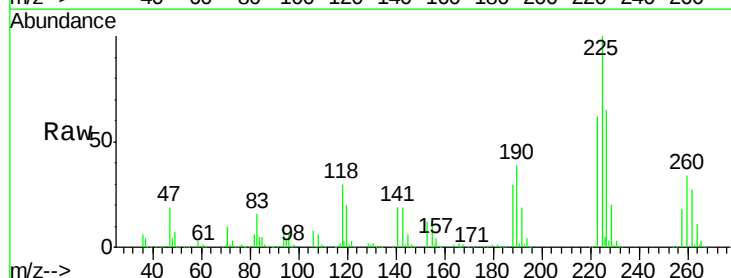


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

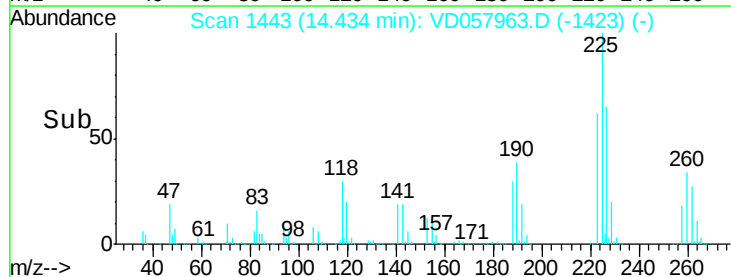
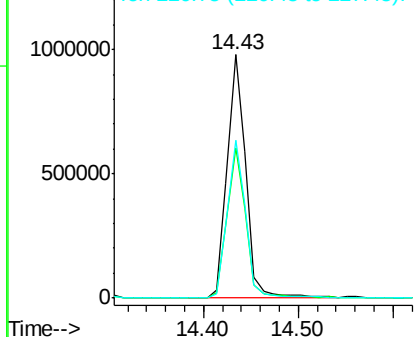


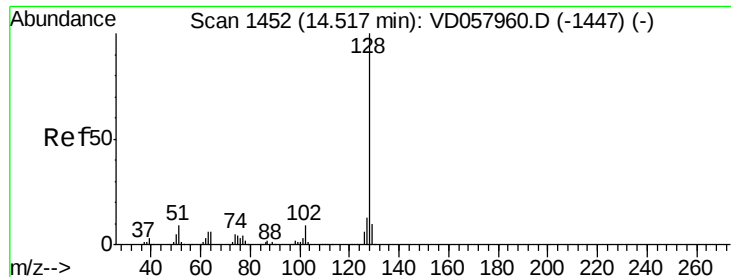
#94
 Hexachlorobutadiene
 Concen: 141.91 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD057963.D
 Acq: 6 Jun 2018 20:43

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

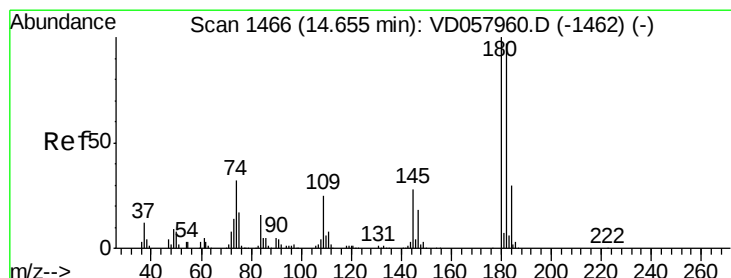
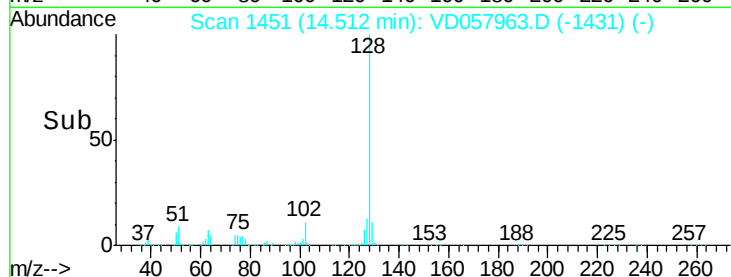
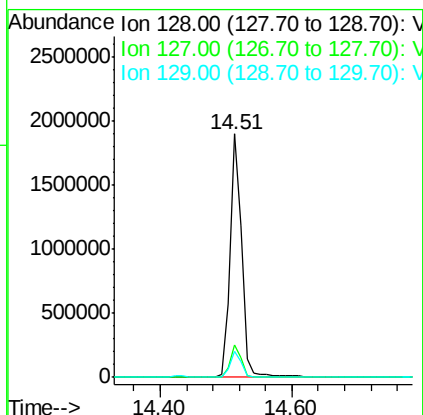
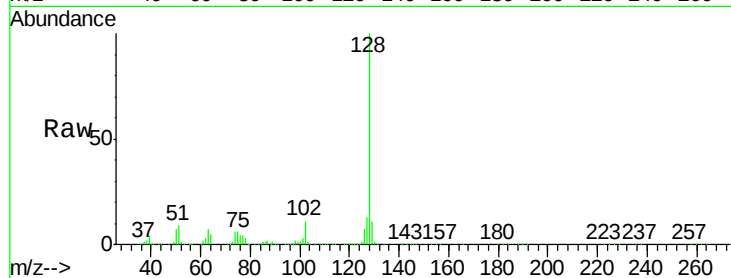




#95
Naphthalene
Concen: 153.57 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD057963.D
Acq: 6 Jun 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot 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

