

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058361.D
 Acq On : 24 Jun 2018 00:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 25 01:14:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	932889	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	1272218	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	1026842	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	497421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	523398	55.55	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.10%	
35) Dibromofluoromethane	5.56	113	548140	52.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	8.72	98	1312847	52.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.94	95	526375	51.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.36	85	446348	51.28	ug/l	96
3) Chloromethane	1.50	50	239338	59.63	ug/l	95
4) Vinyl Chloride	1.57	62	248921	50.94	ug/l	98
5) Bromomethane	1.81	94	89640	55.76	ug/l	96
6) Chloroethane	1.90	64	108913	63.20	ug/l	91
7) Trichlorofluoromethane	2.10	101	367316	54.82	ug/l	96
8) Diethyl Ether	2.36	74	76273	53.82	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.58	101	216079	50.73	ug/l	98
10) Methyl Iodide	2.70	142	240998	49.74	ug/l	99
11) Tert butyl alcohol	3.28	59	88861	285.93	ug/l #	90
12) 1,1-Dichloroethene	2.57	96	162113	50.58	ug/l	100
13) Acrolein	2.49	56	22181	125.02	ug/l	89
14) Allyl chloride	2.94	41	394519	52.89	ug/l	99
15) Acrylonitrile	3.38	53	336017	407.76	ug/l	95
16) Acetone	2.63	43	318662	247.28	ug/l #	92
17) Carbon Disulfide	2.77	76	502686	46.10	ug/l	99
18) Methyl Acetate	2.96	43	151078	54.97	ug/l	96
19) Methyl tert-butyl Ether	3.42	73	838165	98.60	ug/l	98
20) Methylene Chloride	3.09	84	181677	54.43	ug/l	97
21) trans-1,2-Dichloroethene	3.40	96	371268	105.99	ug/l	94
22) Diisopropyl ether	4.09	45	1518864	51.27	ug/l	95
23) Vinyl Acetate	4.04	43	3925527	247.17	ug/l	99
24) 1,1-Dichloroethane	3.99	63	837661	52.48	ug/l	98
25) 2-Butanone	4.85	43	675026	240.34	ug/l	100
26) 2,2-Dichloropropane	4.81	77	622381	46.57	ug/l	99
27) cis-1,2-Dichloroethene	4.82	96	464359	53.05	ug/l	99
28) Bromochloromethane	5.17	49	355786	49.73	ug/l #	91
29) Tetrahydrofuran	5.20	42	355563	237.84	ug/l	99
30) Chloroform	5.34	83	880576	52.26	ug/l	95
31) Cyclohexane	5.61	56	577439	49.81	ug/l	99
32) 1,1,1-Trichloroethane	5.53	97	729182	52.38	ug/l	97
36) 1,1-Dichloropropene	5.77	75	585752	46.54	ug/l	97
37) Ethyl Acetate	4.95	43	334856	46.70	ug/l	99
38) Carbon Tetrachloride	5.75	117	616528	49.30	ug/l	94

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Quant Time: Jun 25 01:14:41 2018
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 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	582633	47.53	ug/l	99
40) Benzene	6.03	78	1401230	46.74	ug/l	98
41) Methacrylonitrile	5.15	41	160429	46.33	ug/l	93
42) 1,2-Dichloroethane	6.14	62	614088	50.80	ug/l	99
43) Isopropyl Acetate	7.63	43	451461	47.22	ug/l #	99
44) Trichloroethene	7.00	130	465791	51.74	ug/l	98
45) 1,2-Dichloropropane	7.36	63	402745	49.88	ug/l	98
46) Dibromomethane	7.48	93	280578	50.90	ug/l	99
47) Bromodichloromethane	7.75	83	647148	51.49	ug/l	99
48) Methyl methacrylate	7.52	41	279239	48.06	ug/l	98
49) 1,4-Dioxane	7.50	88	49341	940.74	ug/l	89
51) 4-Methyl-2-Pentanone	8.61	43	1456550	233.58	ug/l	99
52) Toluene	8.82	92	805124	47.16	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	529865	48.49	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	636102	49.65	ug/l	99
55) 1,1,2-Trichloroethane	9.47	97	296123	49.03	ug/l	98
56) Ethyl methacrylate	9.33	69	355224	49.18	ug/l	96
57) 1,3-Dichloropropane	9.67	76	490887	48.25	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.20	63	887816	248.28	ug/l	97
59) 2-Hexanone	9.80	43	1076875	238.99	ug/l	97
60) Dibromochloromethane	9.97	129	428007	52.22	ug/l	96
61) 1,2-Dibromoethane	10.11	107	330284	49.96	ug/l	98
64) Tetrachloroethene	9.53	164	440219	50.95	ug/l	97
65) Chlorobenzene	10.73	112	982716	51.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	359495	48.50	ug/l	98
67) Ethyl Benzene	10.87	91	1575770	46.47	ug/l	99
68) m/p-Xylenes	11.02	106	1060902	93.82	ug/l	98
69) o-Xylene	11.42	106	528835	48.96	ug/l	91
70) Styrene	11.44	104	872521	47.34	ug/l	98
71) Bromoform	11.60	173	311653	52.71	ug/l	97
73) Isopropylbenzene	11.78	105	1537380	51.67	ug/l	100
74) N-amyl acetate	11.65	43	596642	51.86	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.09	83	359809	51.97	ug/l	100
76) 1,2,3-Trichloropropane	12.12	75	368499	50.74	ug/l	98
77) Bromobenzene	12.05	156	478216	53.67	ug/l	93
78) n-propylbenzene	12.15	91	1942331	50.55	ug/l	95
79) 2-Chlorotoluene	12.22	91	1137080	51.72	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	1204231	51.89	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	86873	49.05	ug/l	92
82) 4-Chlorotoluene	12.33	91	1263619	60.07	ug/l	94
83) tert-Butylbenzene	12.58	119	1335173	50.04	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	1290276	51.15	ug/l	97
85) sec-Butylbenzene	12.77	105	1589154	50.82	ug/l	97
86) p-Isopropyltoluene	12.89	119	1276651	50.37	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	776563	50.15	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	734513	48.57	ug/l	97
89) n-Butylbenzene	13.20	91	1282098	48.14	ug/l	98
90) Hexachloroethane	13.41	117	348035	52.91	ug/l	83
91) 1,2-Dichlorobenzene	13.20	146	629826	47.79	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	56460	51.24	ug/l	81

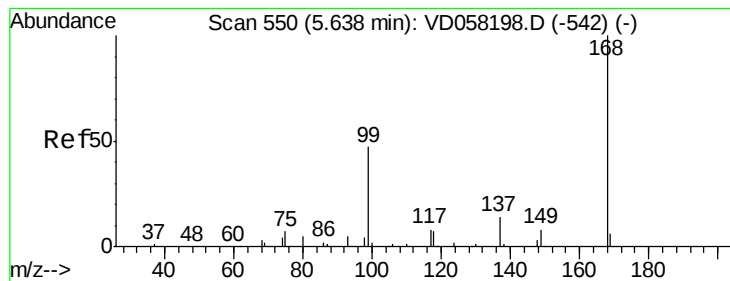
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
Data File : VD058361.D
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	630386	50.02	ug/l	97
94) Hexachlorobutadiene	14.44	225	495086	50.22	ug/l	98
95) Naphthalene	14.52	128	816516	49.18	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	535293	48.51	ug/l	98

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

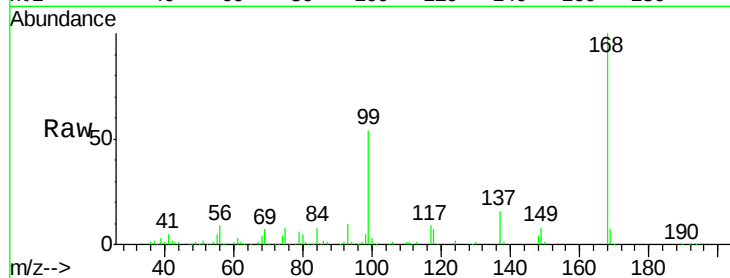


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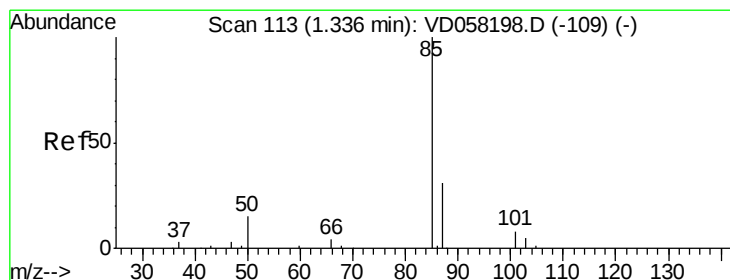
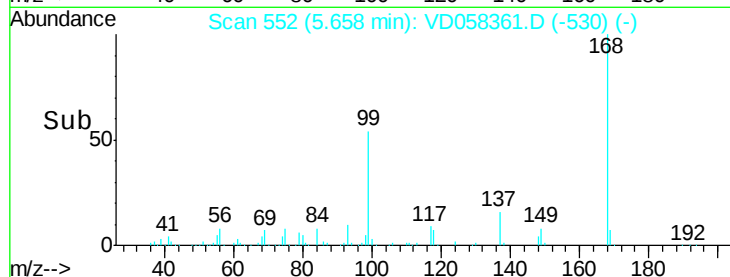
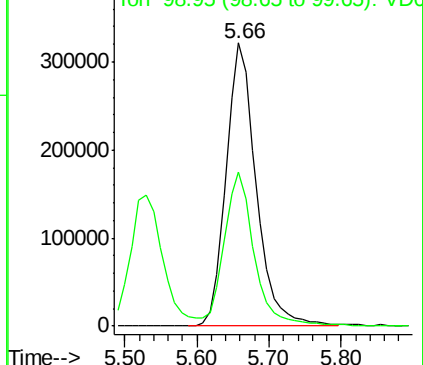
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.66 min Scan# 552
 Delta R.T. 0.02 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:168 Resp: 932889
 Ion Ratio Lower Upper
 168 100
 99 54.3 41.1 61.7



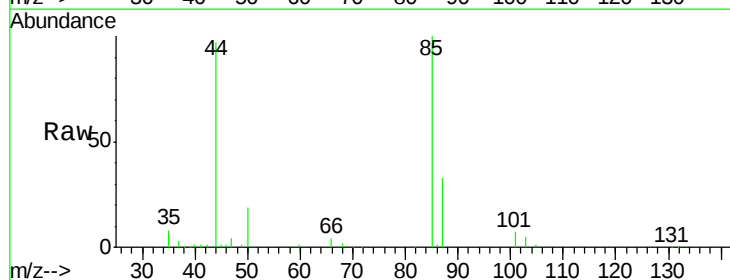
Abundance Ion 167.90 (167.60 to 168.60): V



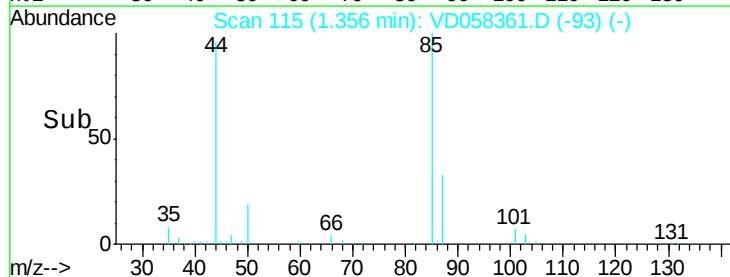
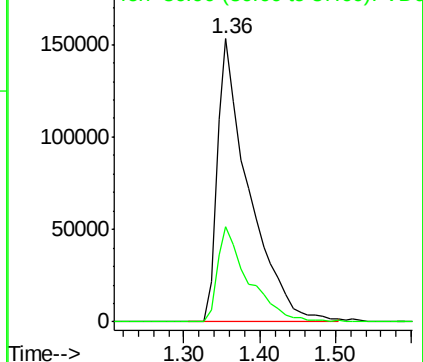
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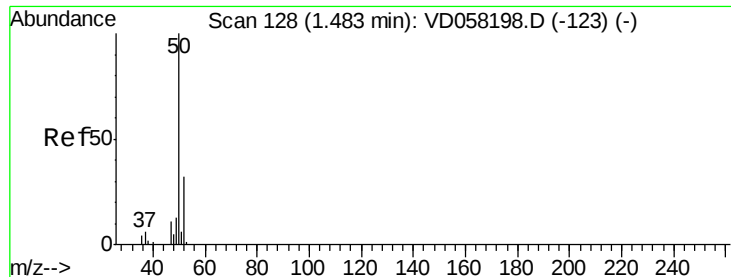
Dichlorodifluoromethane
 Concen: 51.28 ug/l
 RT: 1.36 min Scan# 115
 Delta R.T. 0.02 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion: 85 Resp: 446348
 Ion Ratio Lower Upper
 85 100
 87 33.4 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 59.63 ug/l

RT: 1.50 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

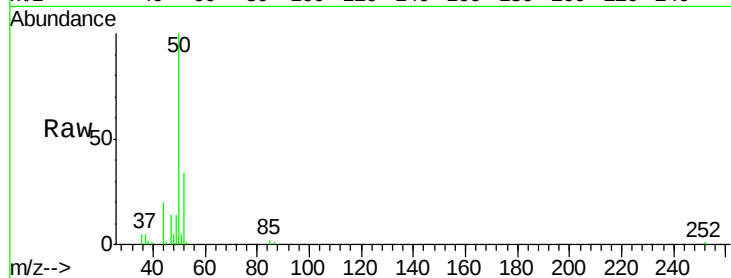
VSTDCCC050EC

Tot Ion: 50 Resp: 239338

Ion Ratio Lower Upper

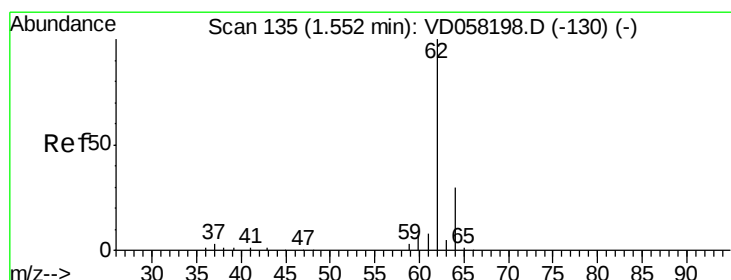
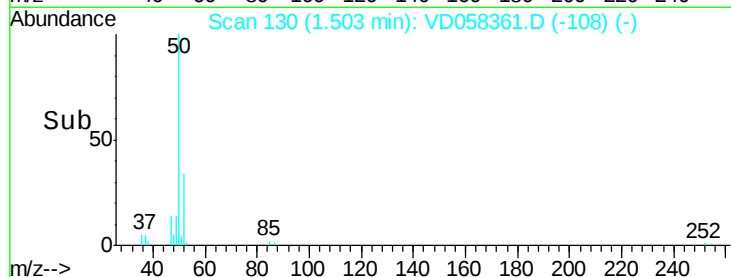
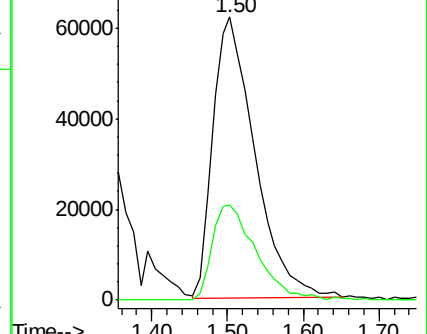
50 100

52 33.8 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.94 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058361.D

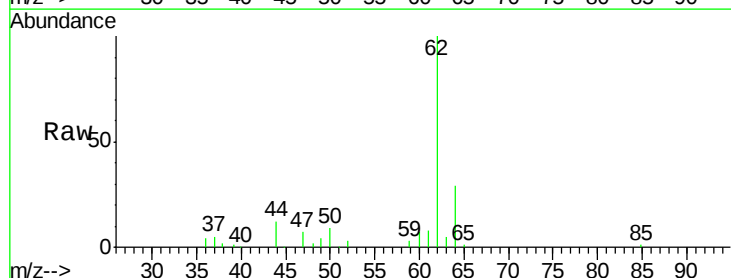
Acq: 24 Jun 2018 00:45

Tgt Ion: 62 Resp: 248921

Ion Ratio Lower Upper

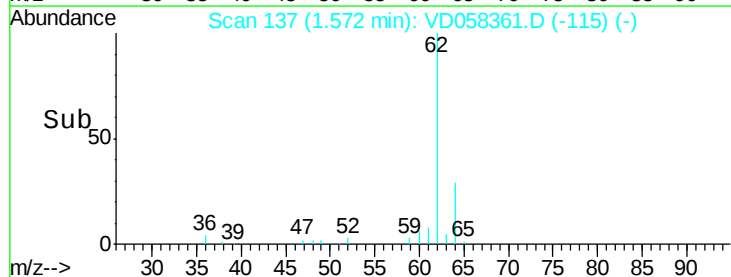
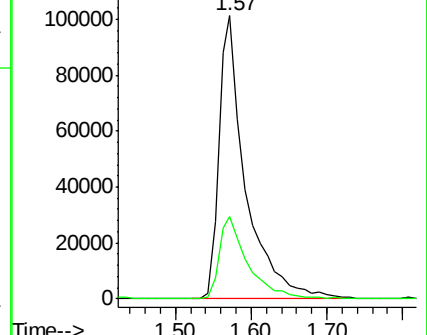
62 100

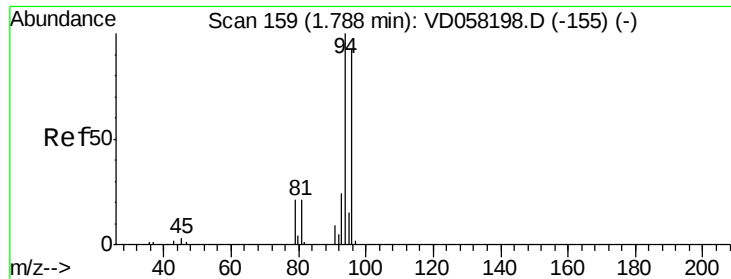
64 29.2 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.76 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

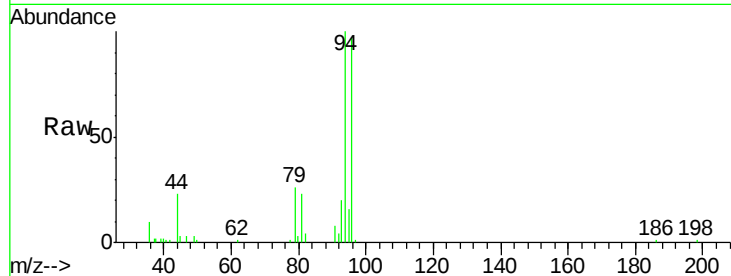
VSTDCCC050EC

Tot Ion: 94 Resp: 89640

Ion Ratio Lower Upper

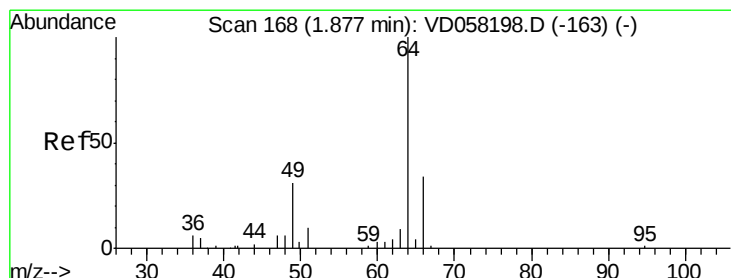
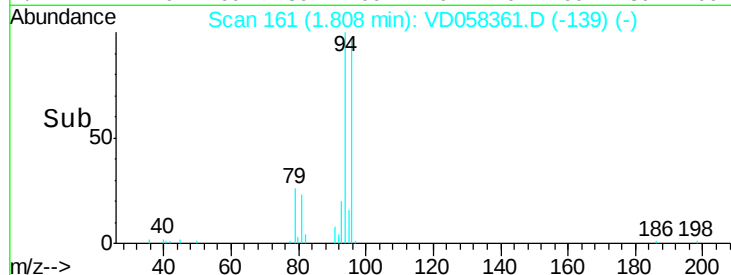
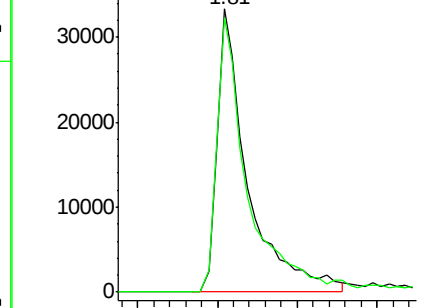
94 100

96 96.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 63.20 ug/l

RT: 1.90 min Scan# 170

Delta R.T. 0.02 min

Lab File: VD058361.D

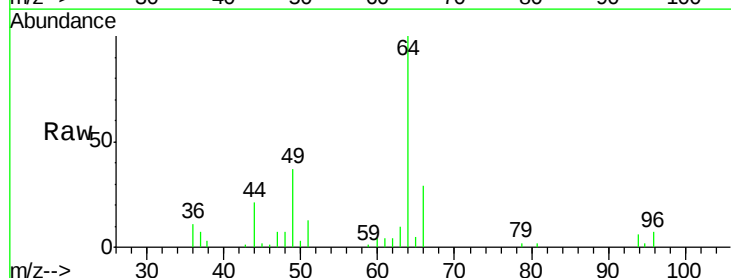
Acq: 24 Jun 2018 00:45

Tgt Ion: 64 Resp: 108913

Ion Ratio Lower Upper

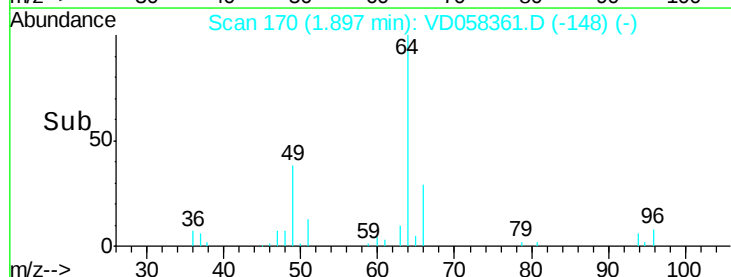
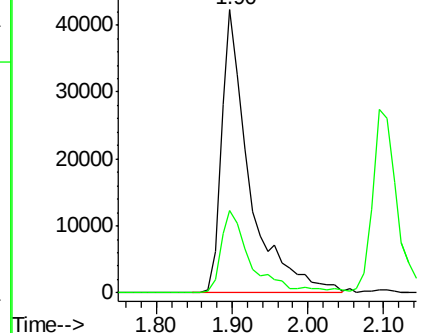
64 100

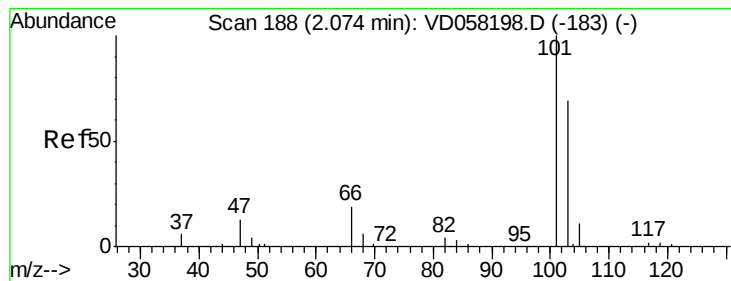
66 28.9 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



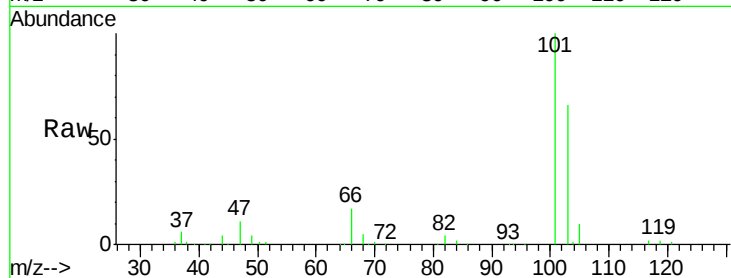


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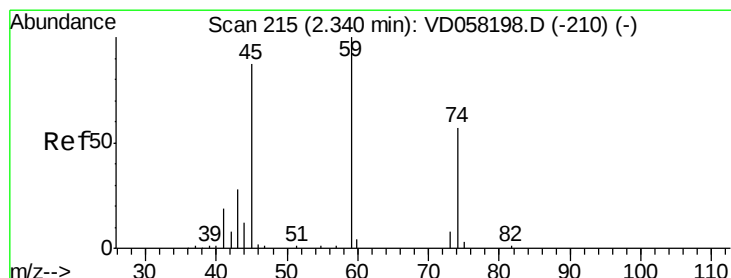
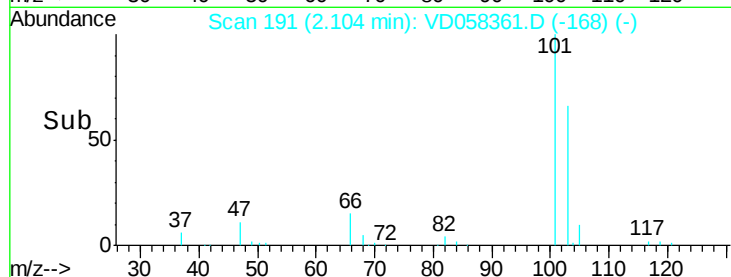
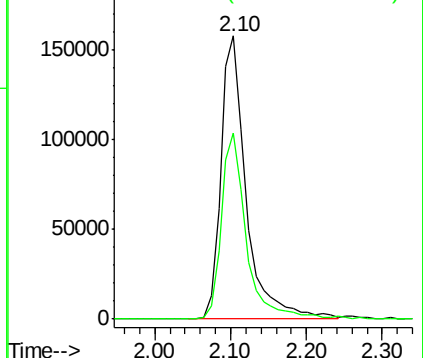
Trichlorofluoromethane
 Concen: 54.82 ug/l
 RT: 2.10 min Scan# 191
 Delta R.T. 0.03 min
 Lab File: VD058361.D
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Tot Ion:101 Resp: 367316
 Ion Ratio Lower Upper
 101 100
 103 65.6 55.1 82.7



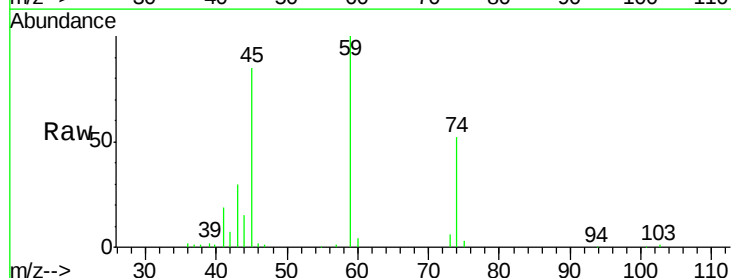
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



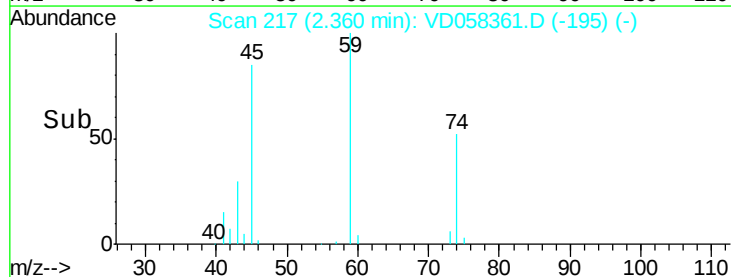
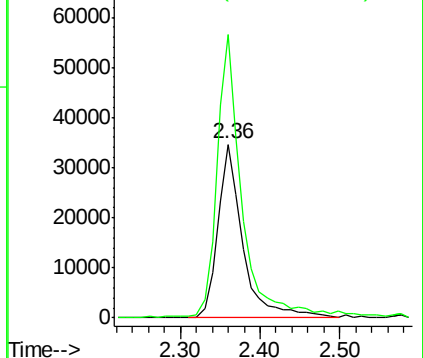
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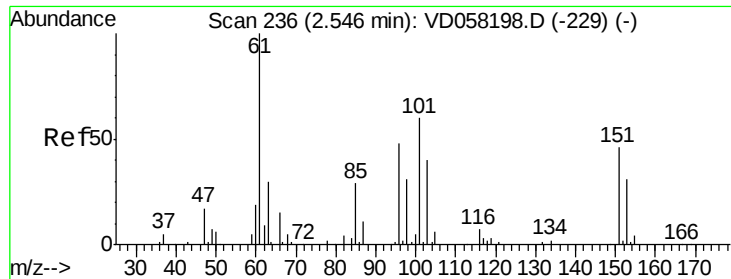
Diethyl Ether
 Concen: 53.82 ug/l
 RT: 2.36 min Scan# 217
 Delta R.T. 0.02 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion: 74 Resp: 76273
 Ion Ratio Lower Upper
 74 100
 45 162.8 77.5 232.6



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: 50.73 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.03 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

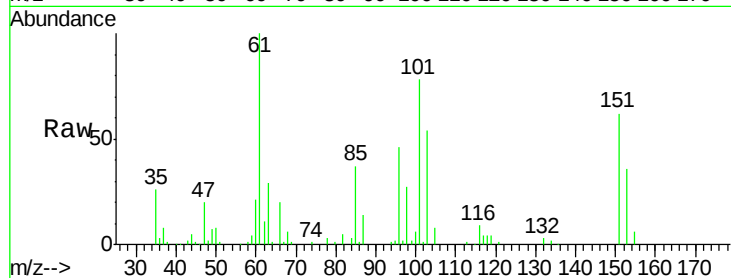
Tot Ion:101 Resp: 216079

Ion Ratio Lower Upper

101 100

85 47.0 39.0 58.4

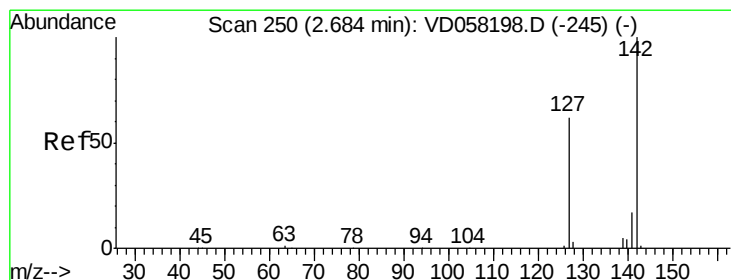
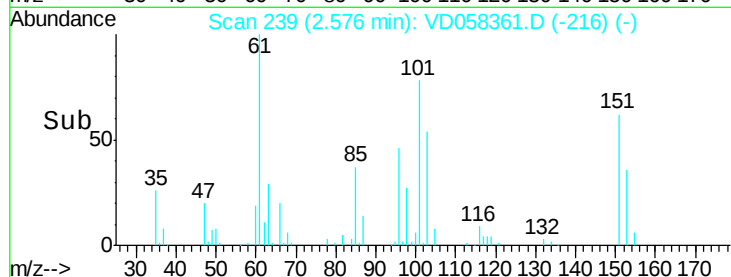
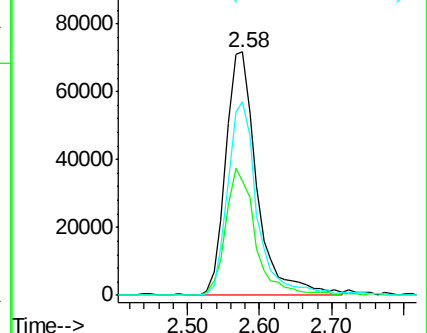
151 79.4 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.74 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

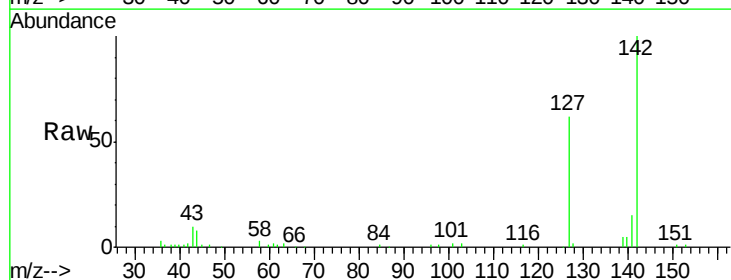
Tgt Ion:142 Resp: 240998

Ion Ratio Lower Upper

142 100

127 61.8 49.4 74.0

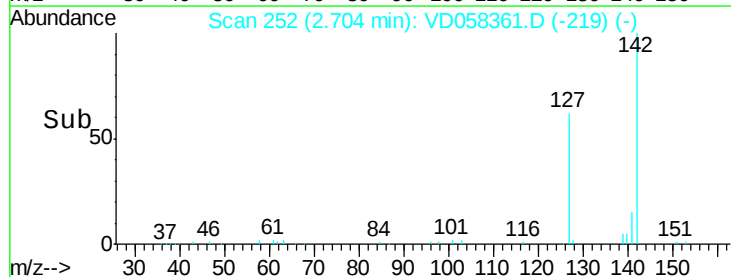
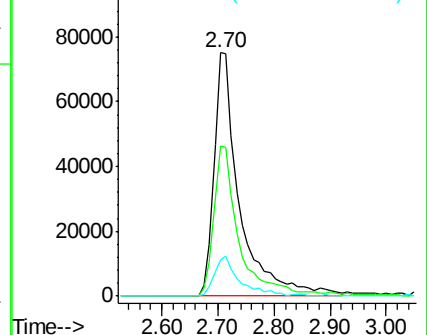
141 14.8 13.5 20.3



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



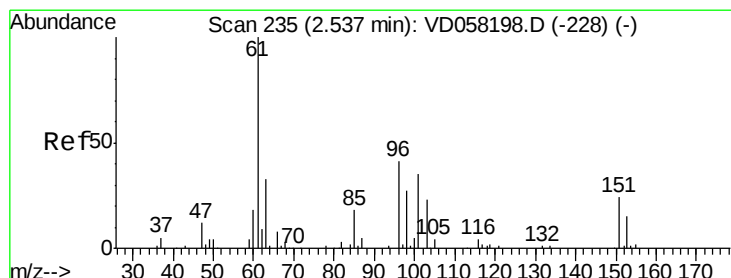
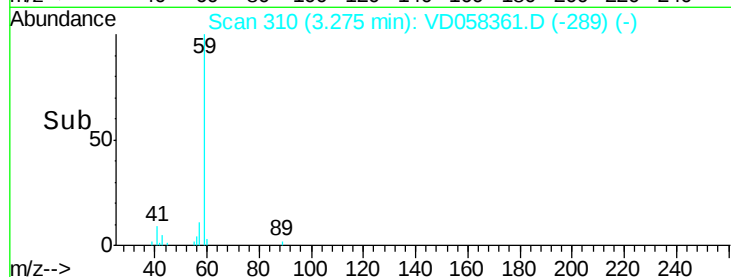
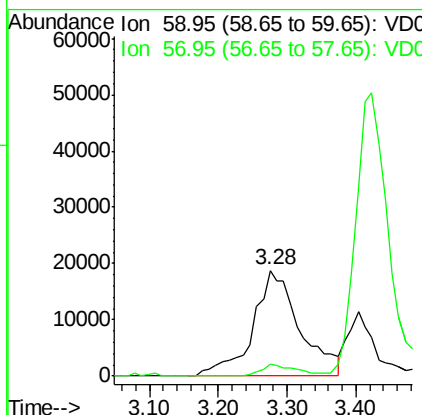
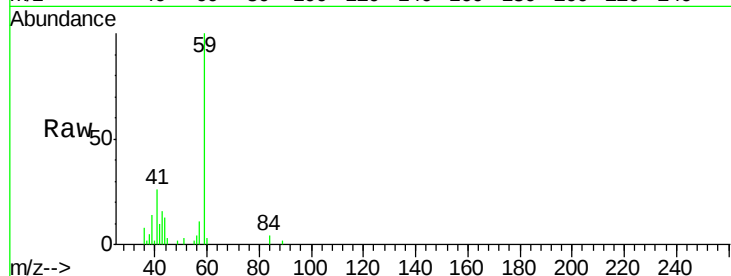


#11

Tert butyl alcohol
Concen: 285.93 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

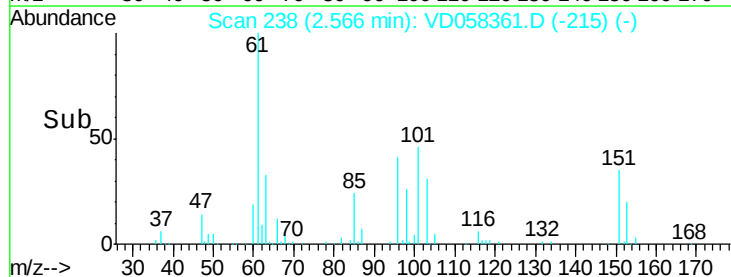
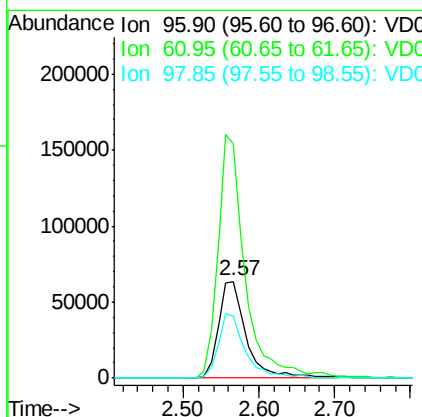
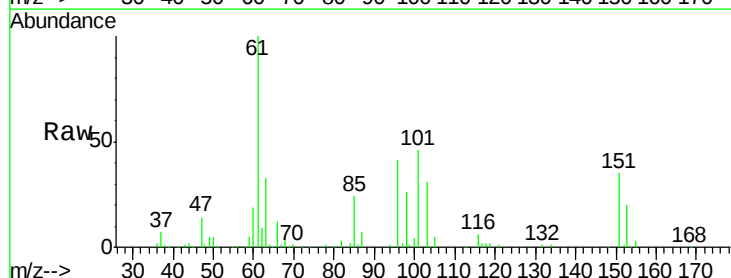
Tot Ion: 59 Resp: 88861
Ion Ratio Lower Upper
59 100
57 11.4 6.2 9.4#

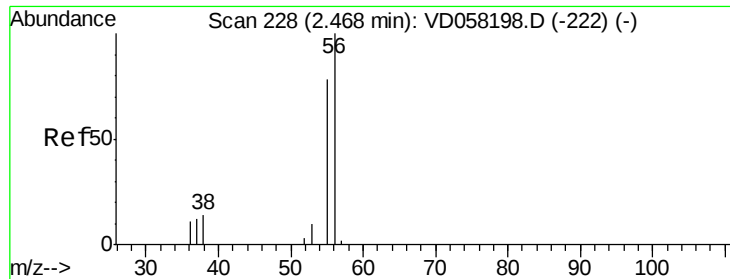


#12

1,1-Dichloroethene
Concen: 50.58 ug/l
RT: 2.57 min Scan# 238
Delta R.T. 0.03 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 96 Resp: 162113
Ion Ratio Lower Upper
96 100
61 242.5 193.9 290.9
98 63.4 51.7 77.5





#13

Acrolein

Concen: 125.02 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

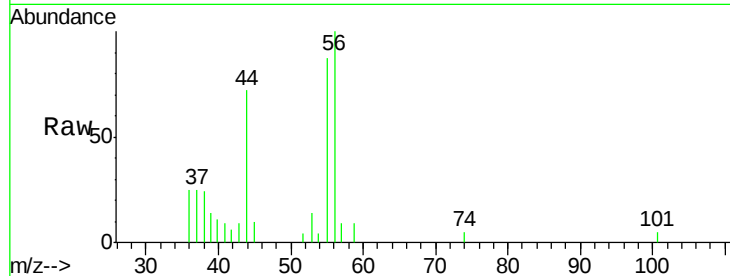
VSTDCCC050EC

Tot Ion: 56 Resp: 22181

Ion Ratio Lower Upper

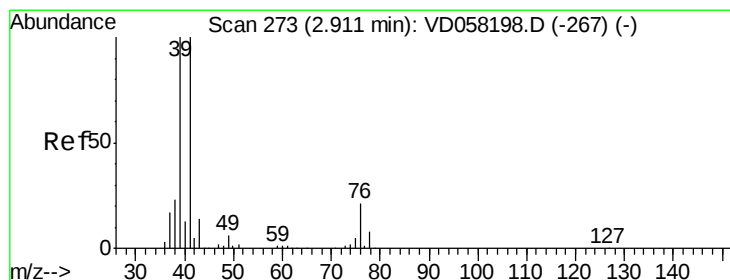
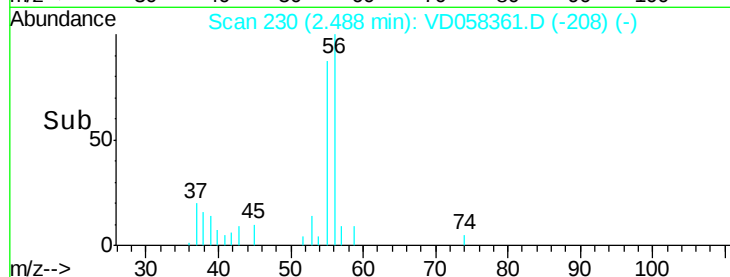
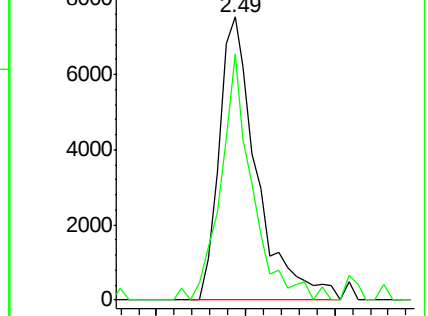
56 100

55 86.9 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.89 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.03 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

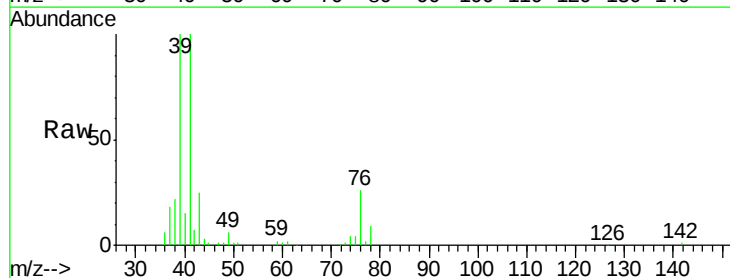
Tgt Ion: 41 Resp: 394519

Ion Ratio Lower Upper

41 100

39 100.3 80.1 120.1

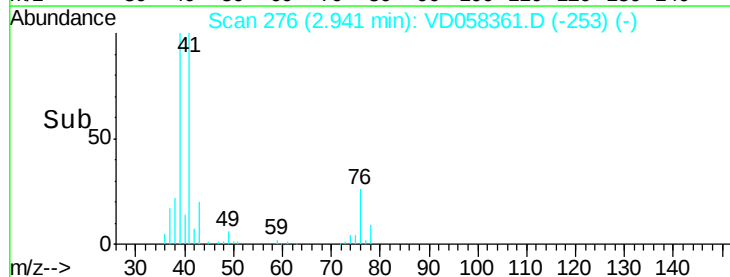
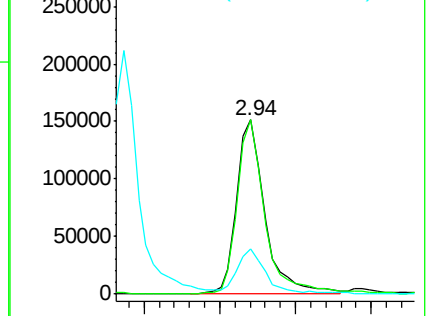
76 26.3 19.4 29.2

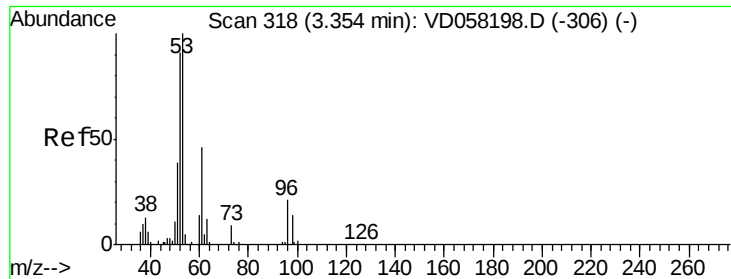


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 407.76 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.03 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

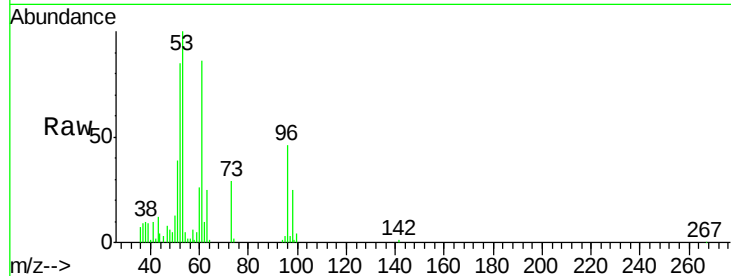
Tot Ion: 53 Resp: 336017

Ion Ratio Lower Upper

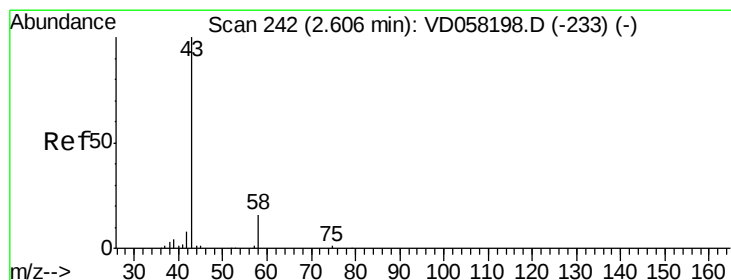
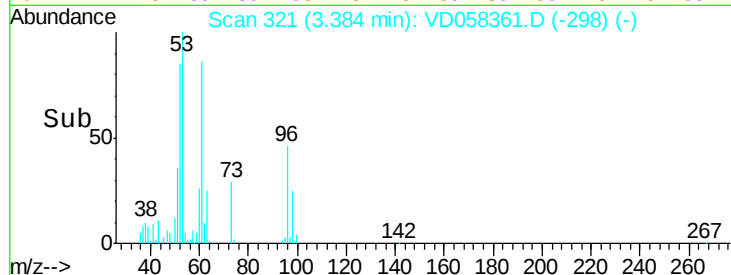
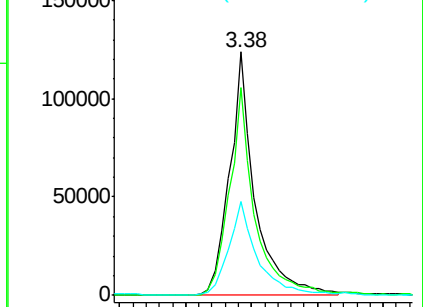
53 100

52 85.4 72.6 108.8

51 38.8 32.2 48.4



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



#16

Acetone

Concen: 247.28 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058361.D

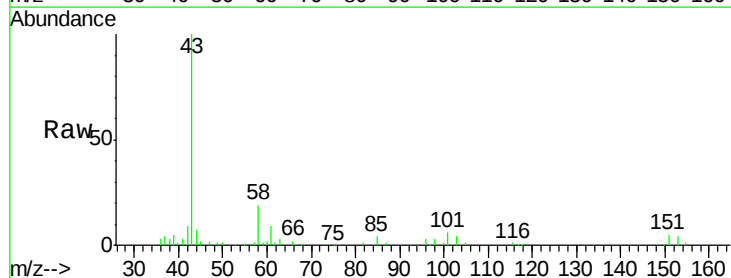
Acq: 24 Jun 2018 00:45

Tgt Ion: 43 Resp: 318662

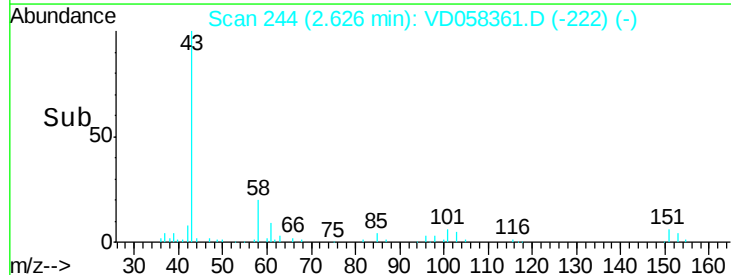
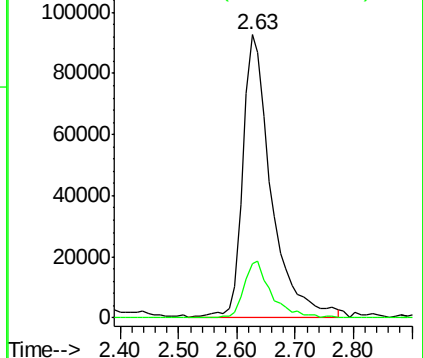
Ion Ratio Lower Upper

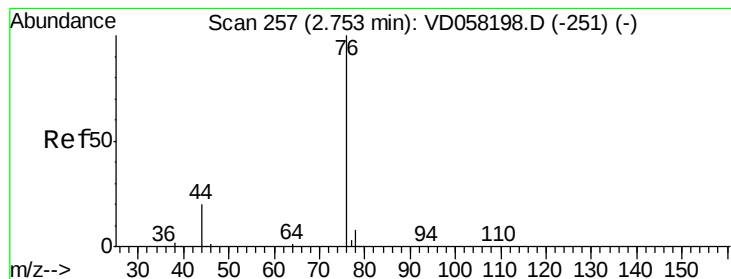
43 100

58 19.2 12.7 19.1#



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





#17

Carbon Disulfide

Concen: 46.10 ug/l

RT: 2.77 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

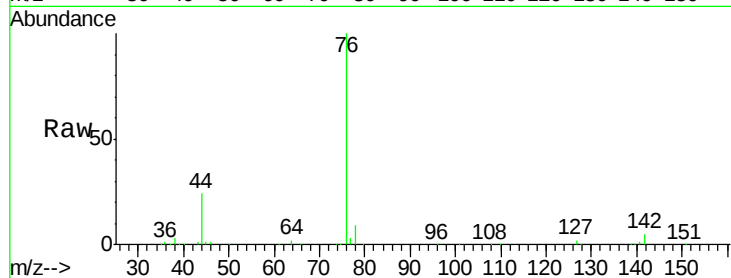
VSTDCCC050EC

Tot Ion: 76 Resp: 502686

Ion Ratio Lower Upper

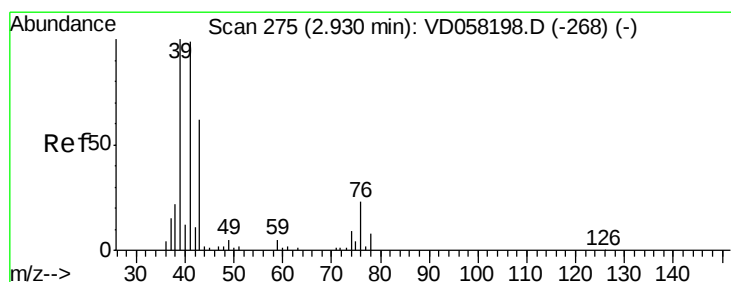
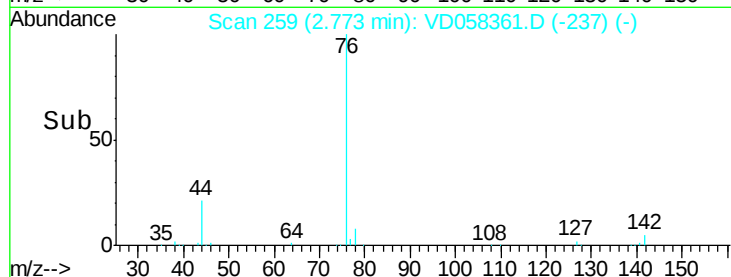
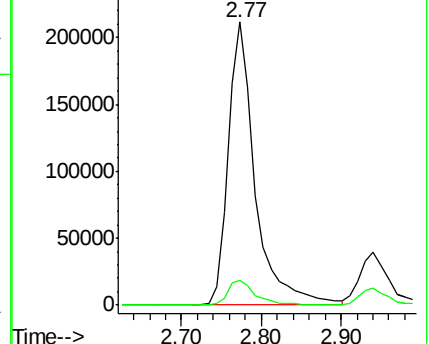
76 100

78 8.9 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 54.97 ug/l

RT: 2.96 min Scan# 278

Delta R.T. 0.03 min

Lab File: VD058361.D

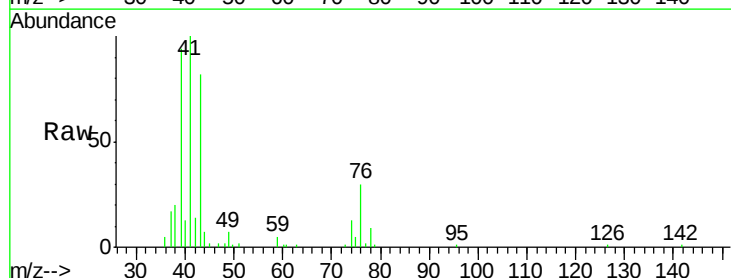
Acq: 24 Jun 2018 00:45

Tgt Ion: 43 Resp: 151078

Ion Ratio Lower Upper

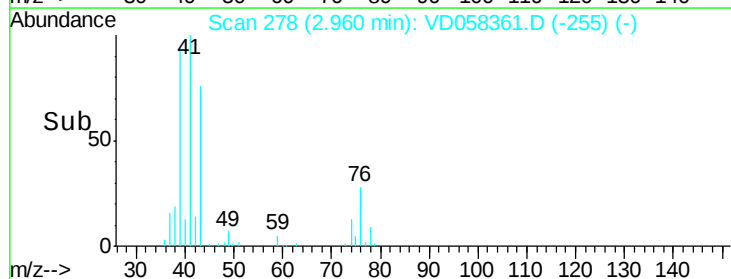
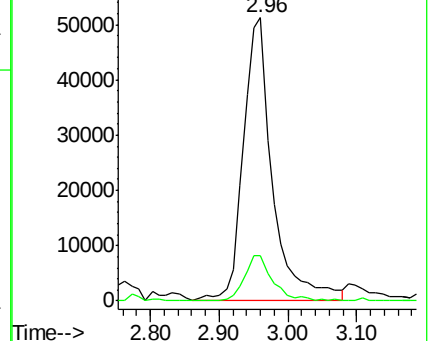
43 100

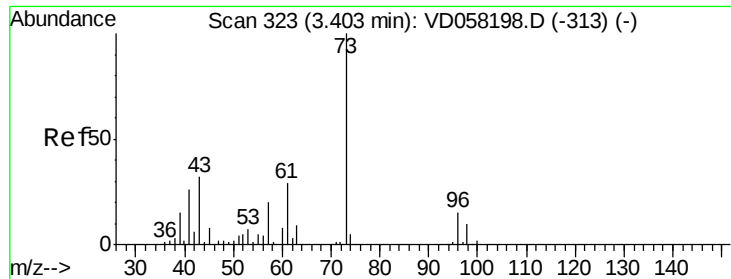
74 16.2 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

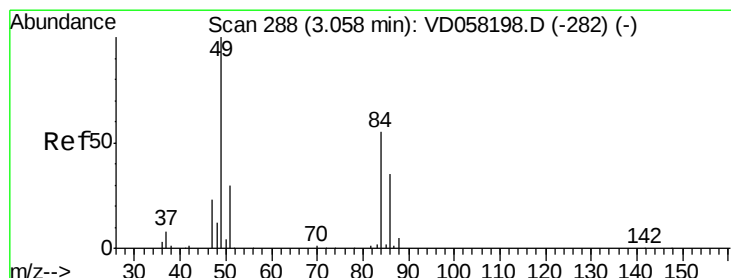
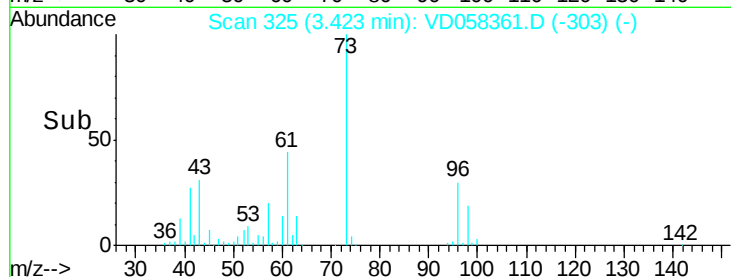
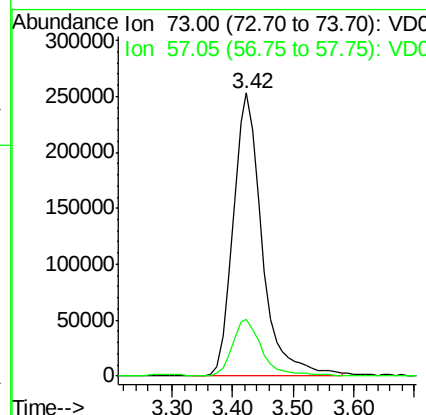
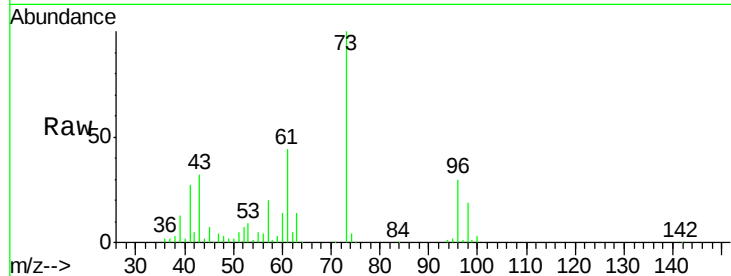




#19
Methvl tert-butvl Ether
Concen: 98.60 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

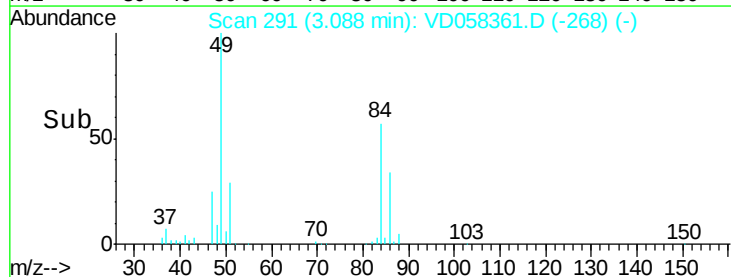
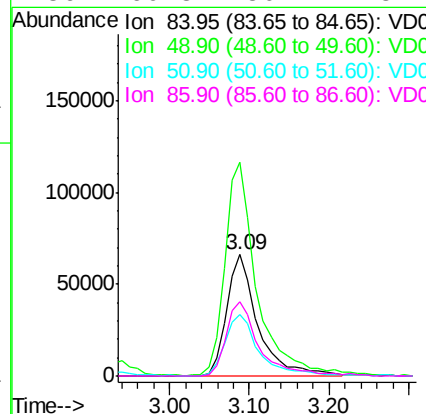
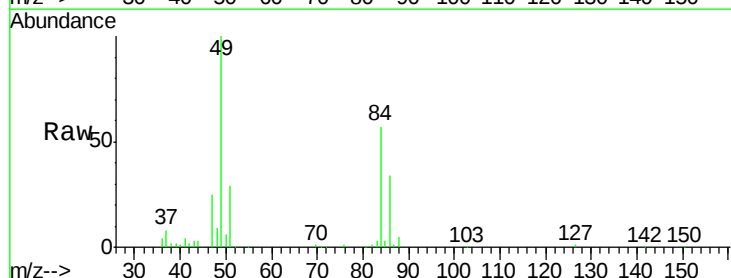
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

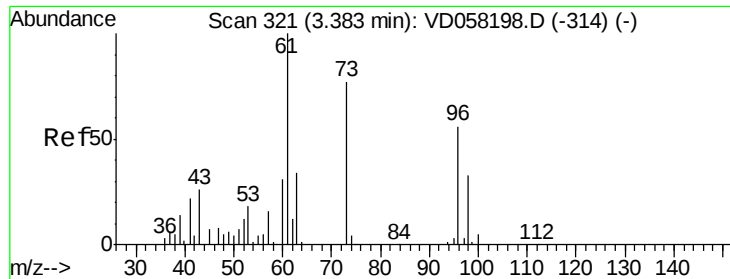
Tot Ion: 73 Resp: 838165
Ion Ratio Lower Upper
73 100
57 19.9 16.6 24.8



#20
Methylene Chloride
Concen: 54.43 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 84 Resp: 181677
Ion Ratio Lower Upper
84 100
49 176.4 145.0 217.6
51 50.6 42.9 64.3
86 60.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 105.99 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

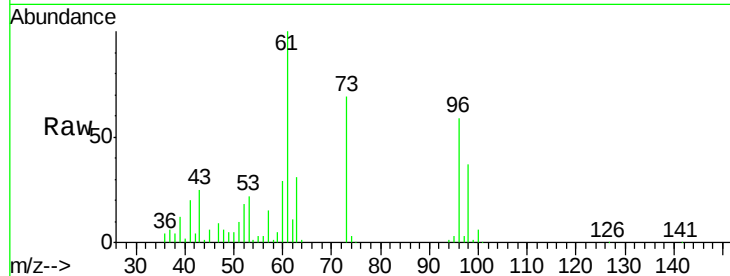
Tot Ion: 96 Resp: 371268

Ion Ratio Lower Upper

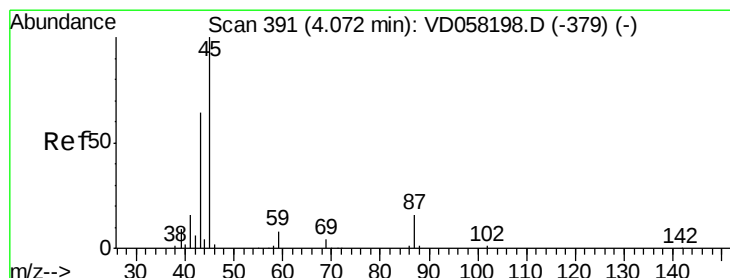
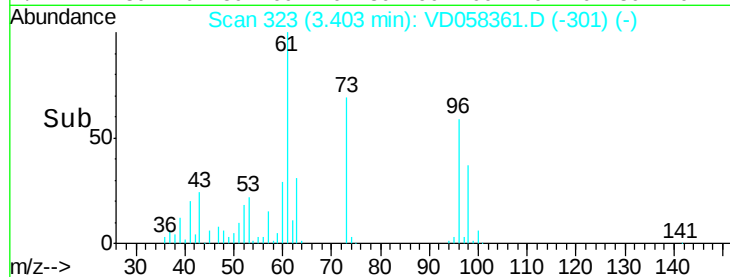
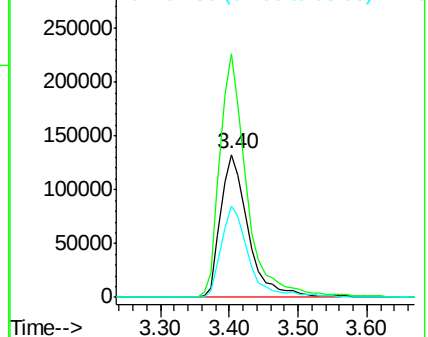
96 100

61 170.4 143.8 215.6

98 63.6 48.0 72.0



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



#22

Diisopropyl ether

Concen: 51.27 ug/l

RT: 4.09 min Scan# 393

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Tgt Ion: 45 Resp: 1518864

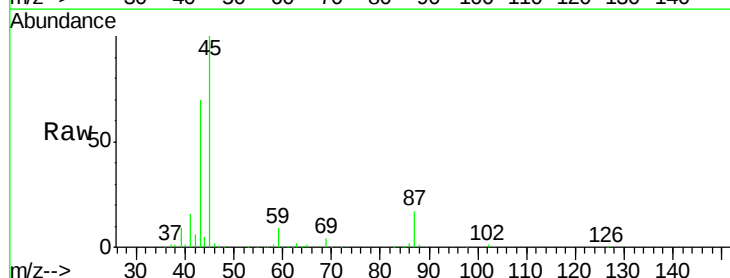
Ion Ratio Lower Upper

45 100

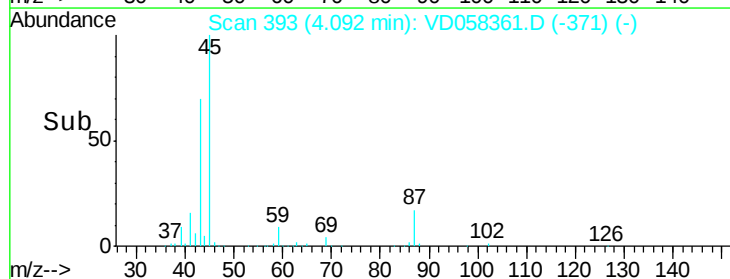
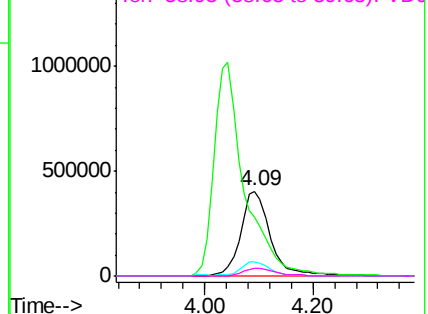
43 69.6 51.4 77.0

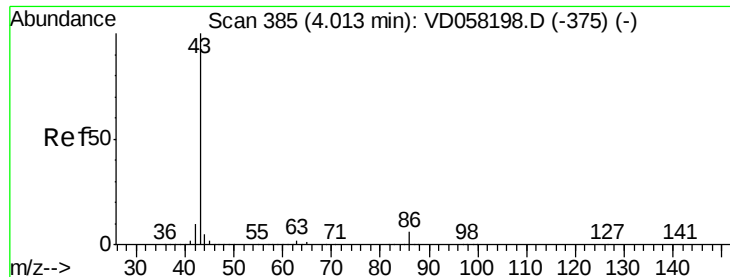
87 16.9 13.0 19.4

59 9.0 6.9 10.3



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: 247.17 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.03 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

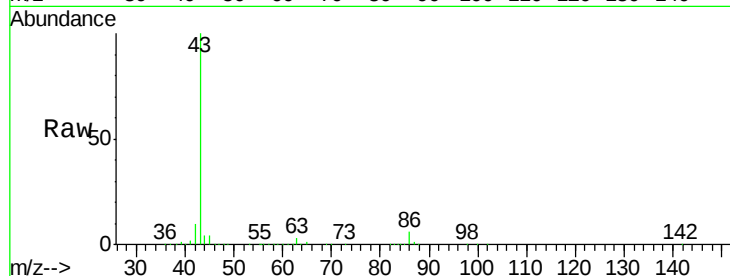
VSTDCCC050EC

Tot Ion: 43 Resp: 3925527

Ion Ratio Lower Upper

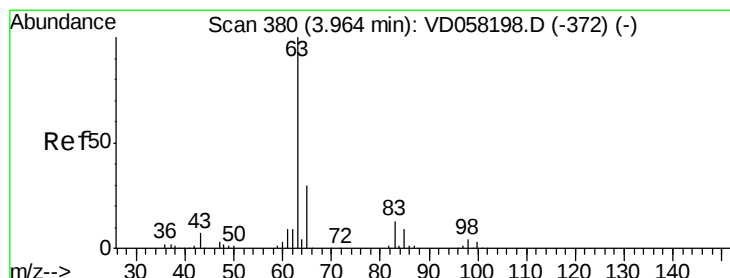
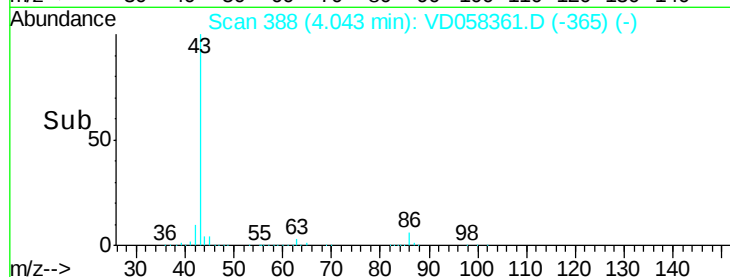
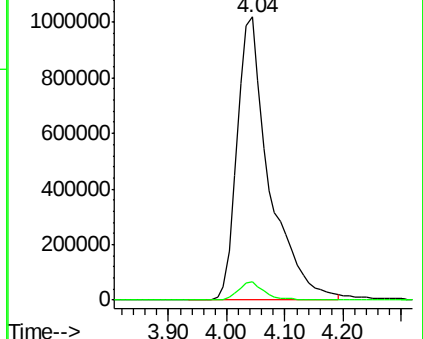
43 100

86 6.4 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.48 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

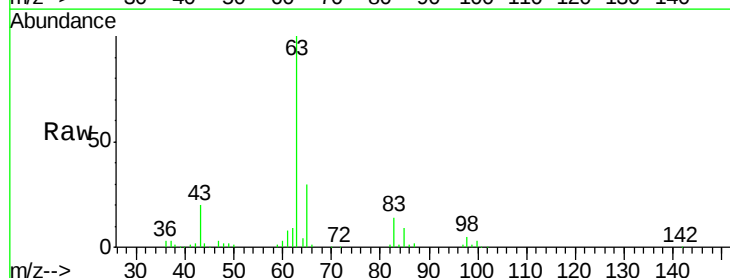
Tgt Ion: 63 Resp: 837661

Ion Ratio Lower Upper

63 100

98 4.5 1.9 5.7

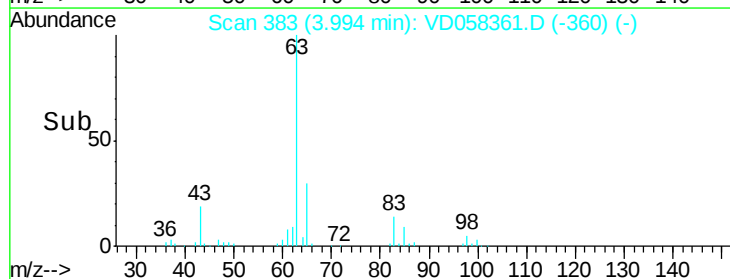
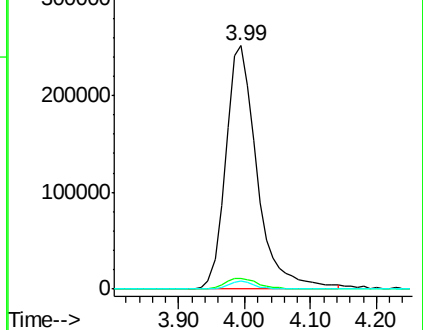
100 3.2 1.3 3.9

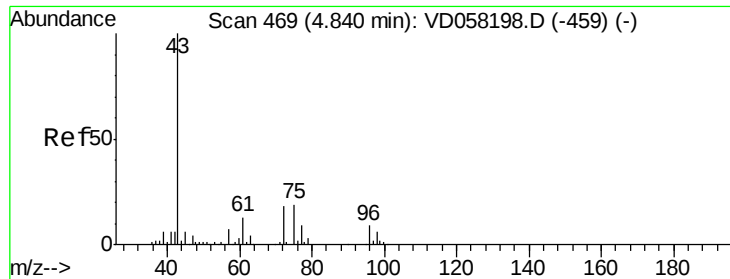


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 240.34 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

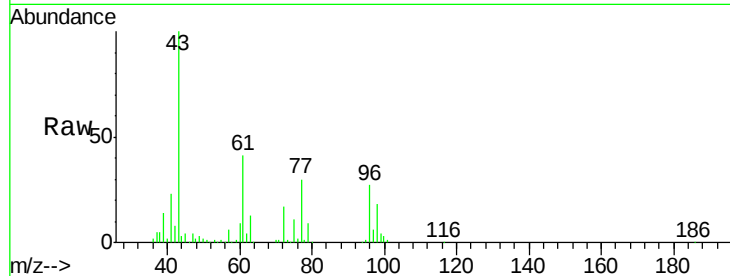
VSTDCCC050EC

Tot Ion: 43 Resp: 675026

Ion Ratio Lower Upper

43 100

72 17.4 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

100000

50000

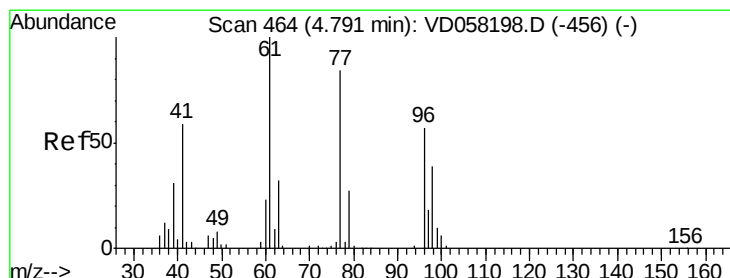
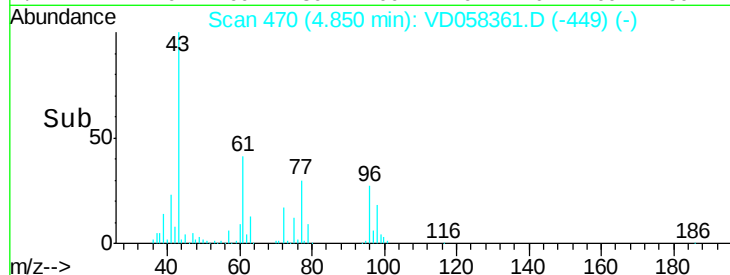
0

4.85

4.80

4.90

Time-->



#26

2,2-Dichloropropane

Concen: 46.57 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058361.D

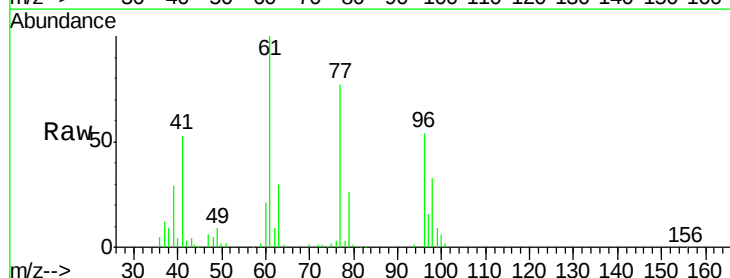
Acq: 24 Jun 2018 00:45

Tgt Ion: 77 Resp: 622381

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

100000

50000

0

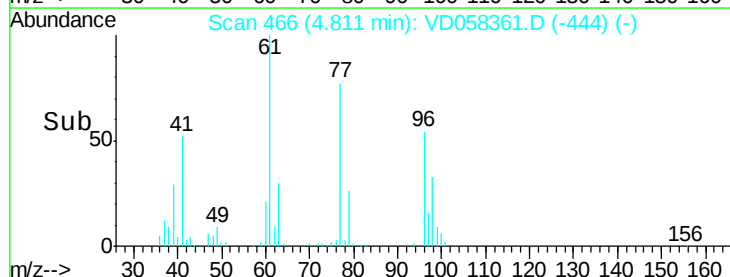
4.81

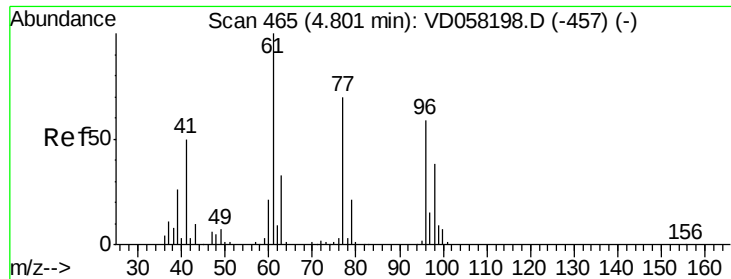
4.70

4.90

5.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 53.05 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

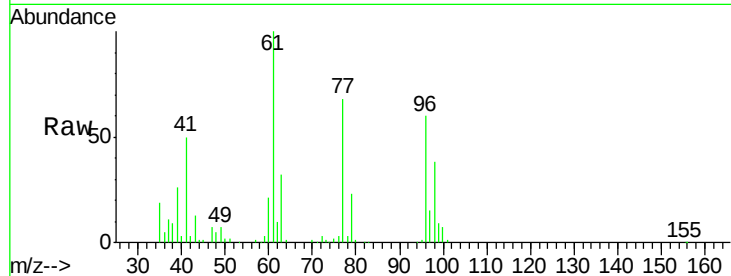
Tot Ion: 96 Resp: 464359

Ion Ratio Lower Upper

96 100

61 167.4 0.0 338.6

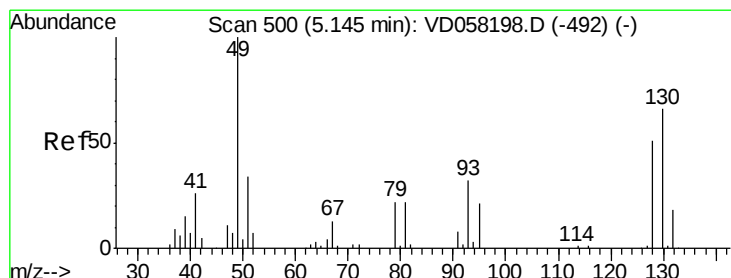
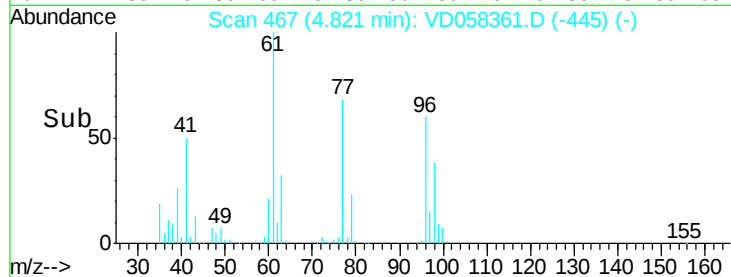
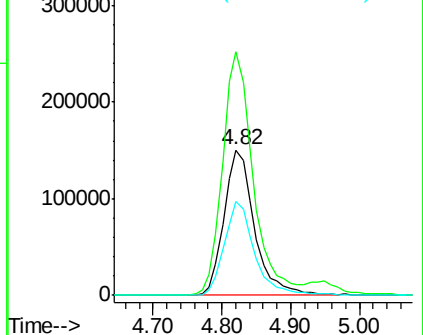
98 64.3 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 49.73 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

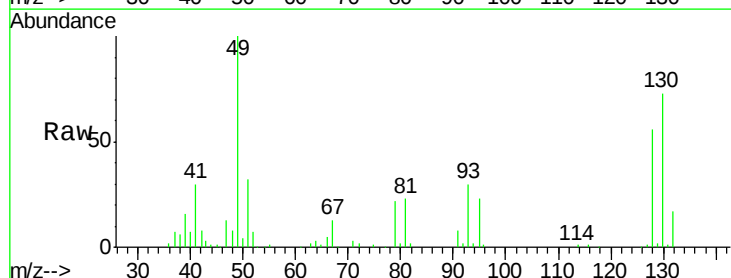
Tgt Ion: 49 Resp: 355786

Ion Ratio Lower Upper

49 100

129 1.8 0.0 0.0#

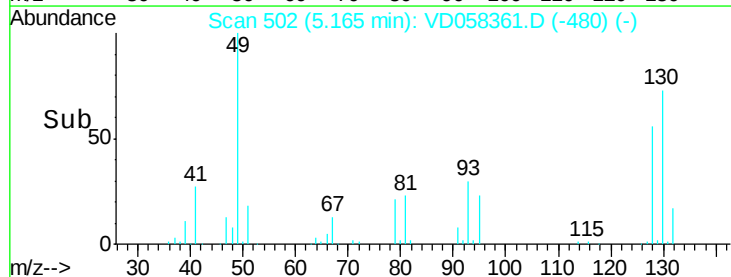
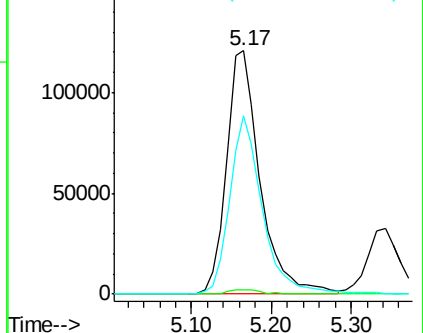
130 73.1 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

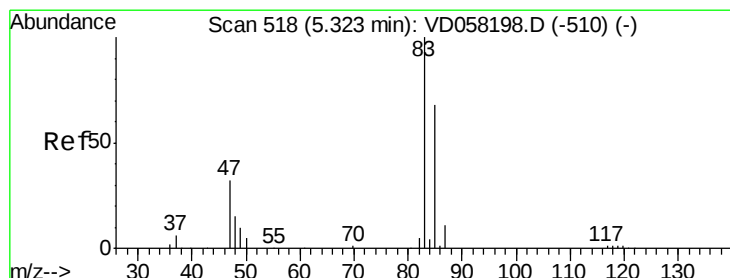
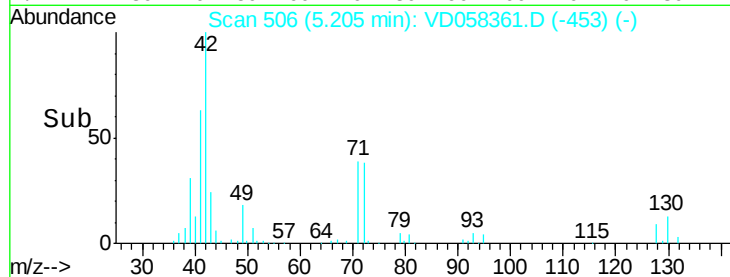
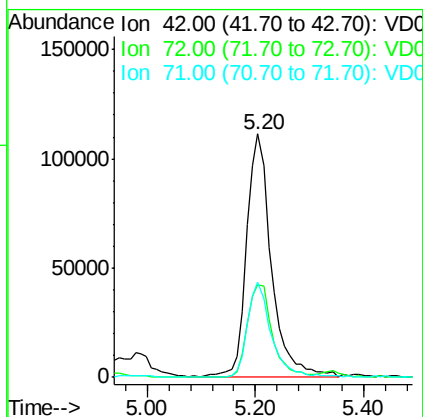
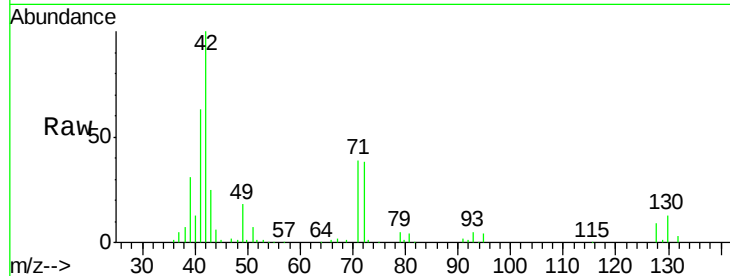




#29
Tetrahydrofuran
Concen: 237.84 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

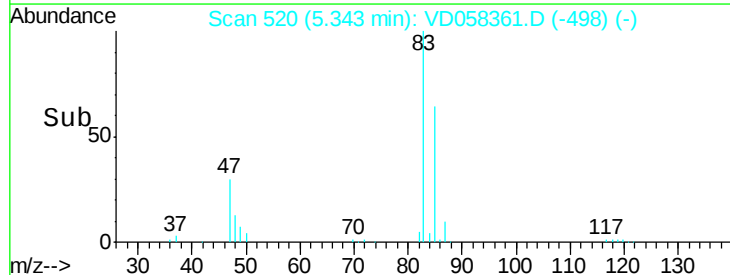
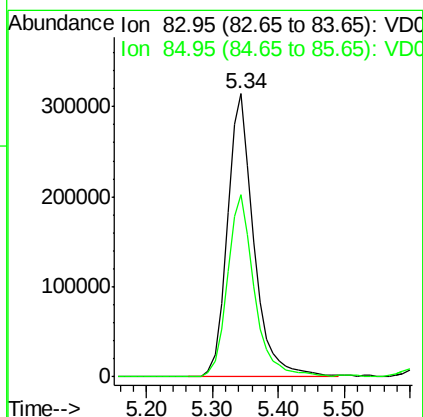
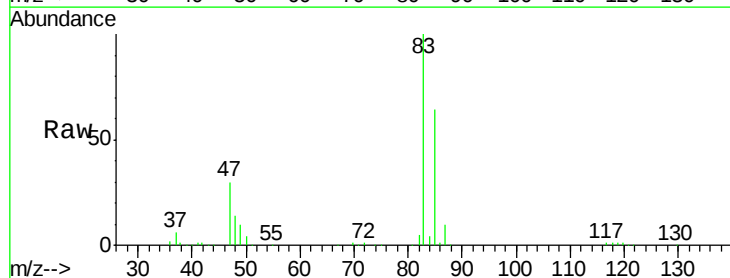
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

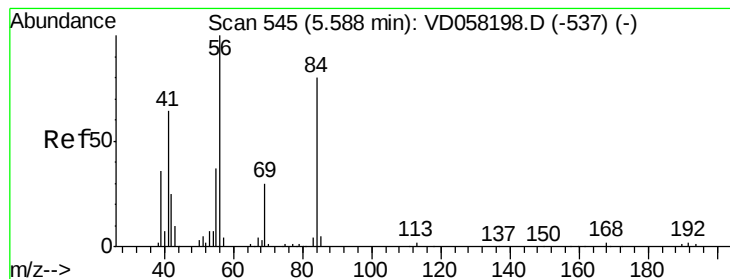
Tot Ion: 42 Resp: 355563
Ion Ratio Lower Upper
42 100
72 38.3 30.2 45.2
71 37.3 30.1 45.1



#30
Chloroform
Concen: 52.26 ug/l
RT: 5.34 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 83 Resp: 880576
Ion Ratio Lower Upper
83 100
85 64.4 54.8 82.2





#31

Cyclohexane

Concen: 49.81 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

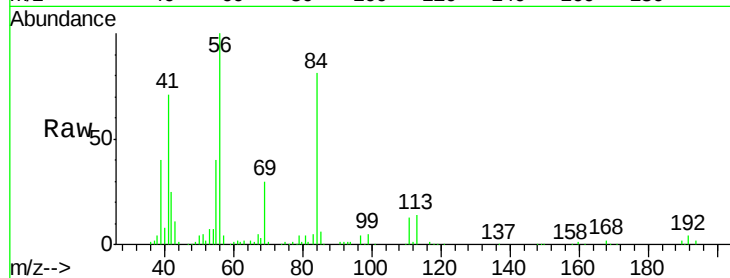
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 577439

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.6	35.4
84	80.9	65.2	97.8

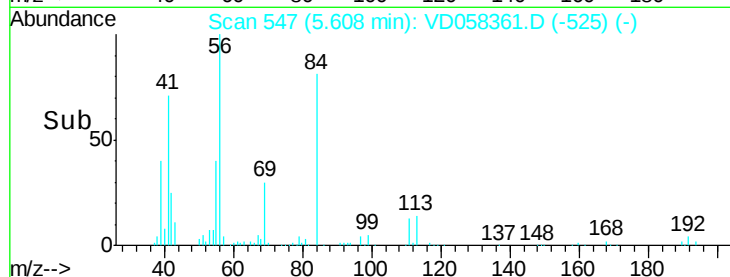


Abundance

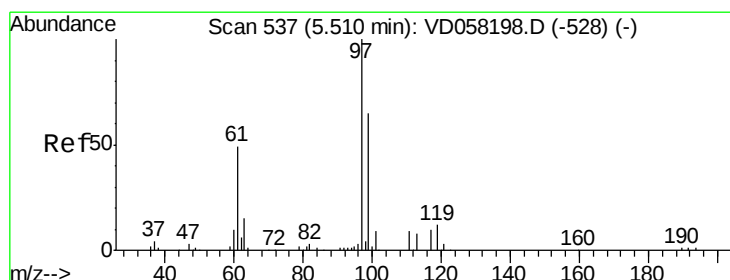
Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



Time-->



#32

1,1,1-Trichloroethane

Concen: 52.38 ug/l

RT: 5.53 min Scan# 539

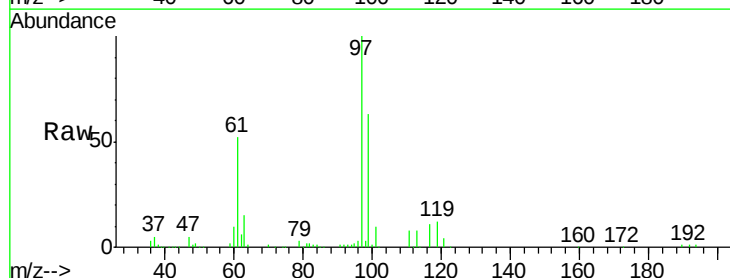
Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Tgt Ion: 97 Resp: 729182

Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.2	78.4
61	51.7	39.0	58.4

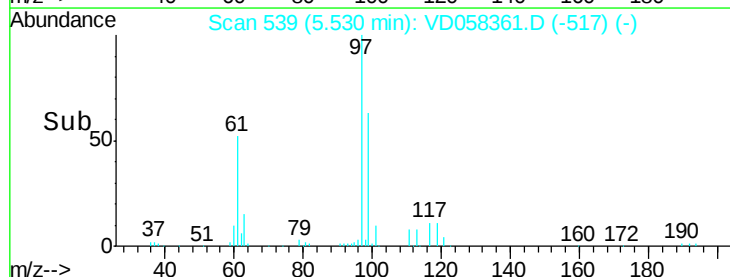


Abundance

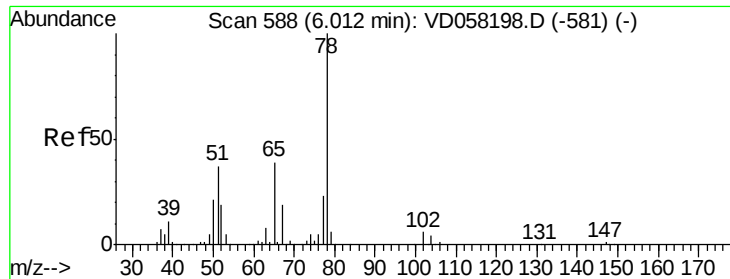
Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



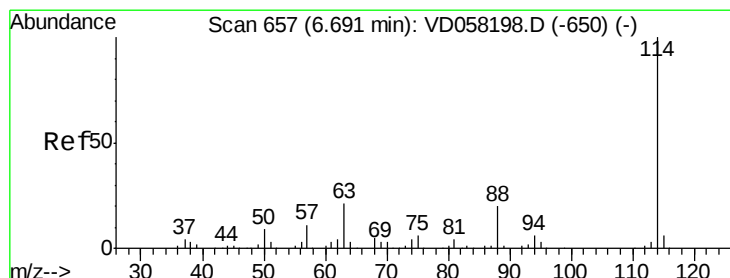
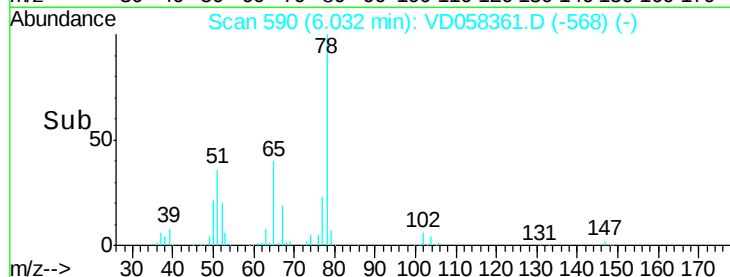
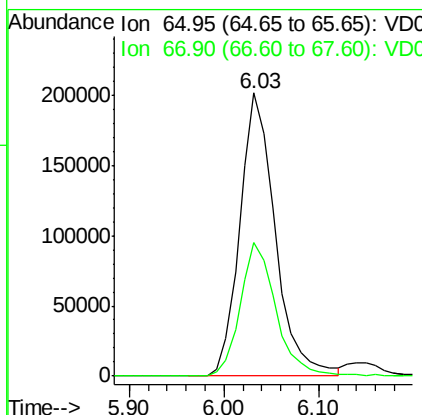
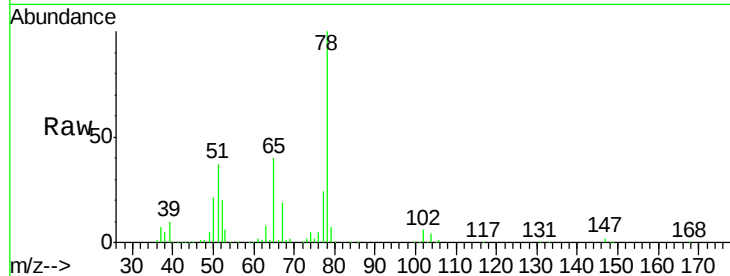
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 52.38 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

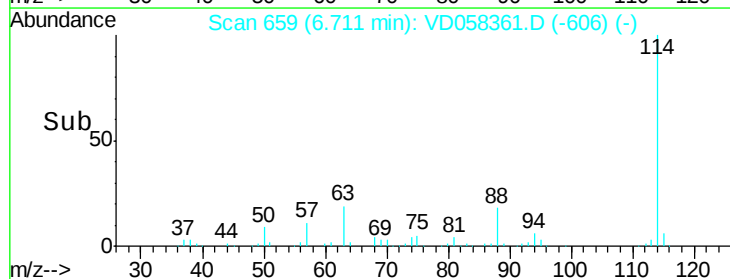
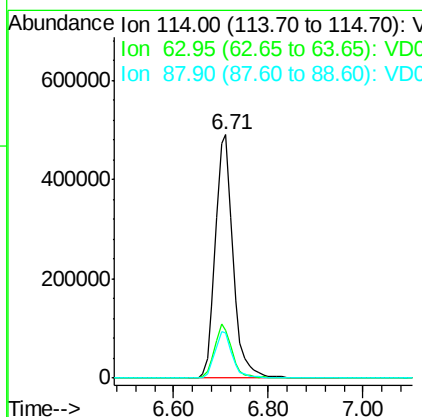
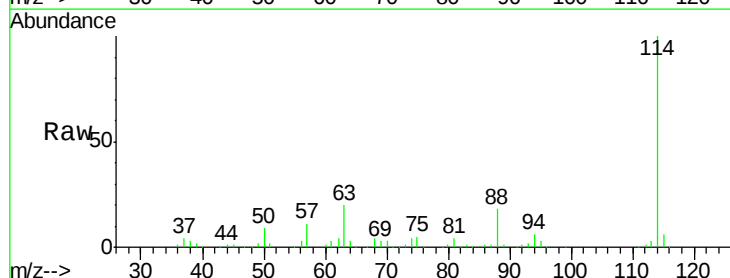
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

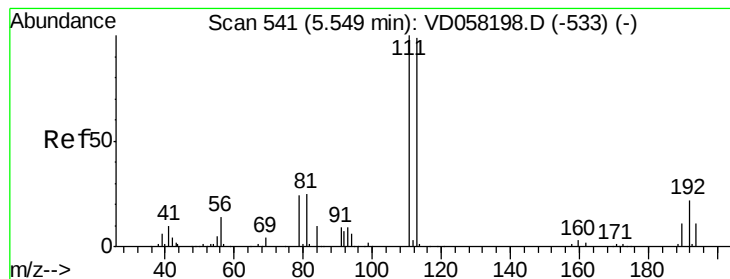
Tot Ion: 65 Resp: 523398
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion: 114 Resp: 1272218
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.6
 88 18.4 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

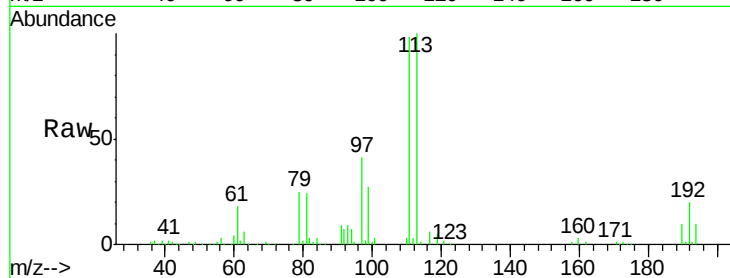
Tot Ion:113 Resp: 548140

Ion Ratio Lower Upper

113 100

111 97.8 80.6 121.0

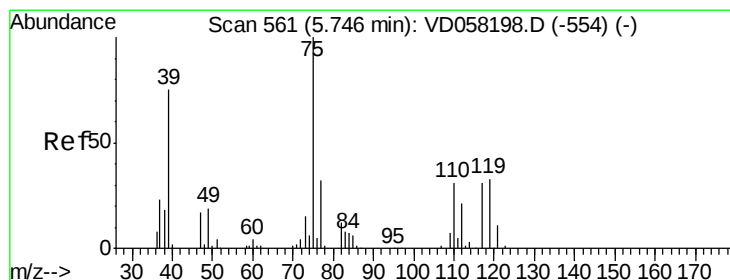
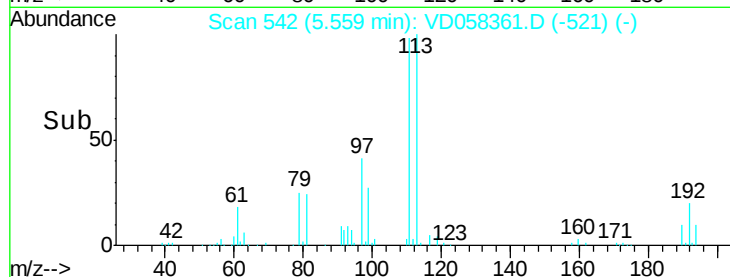
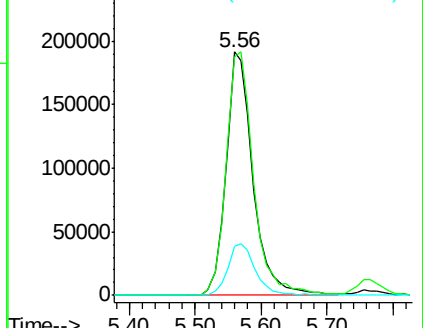
192 20.2 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.54 ug/l

RT: 5.77 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

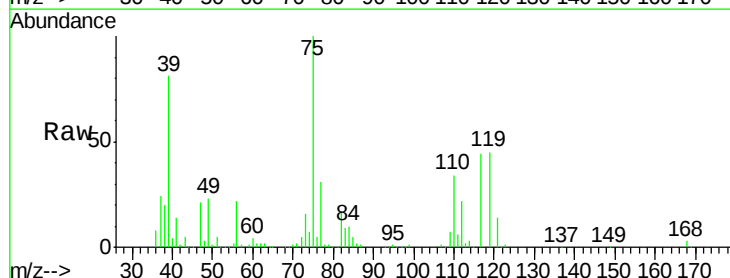
Tgt Ion: 75 Resp: 585752

Ion Ratio Lower Upper

75 100

110 33.5 15.4 46.4

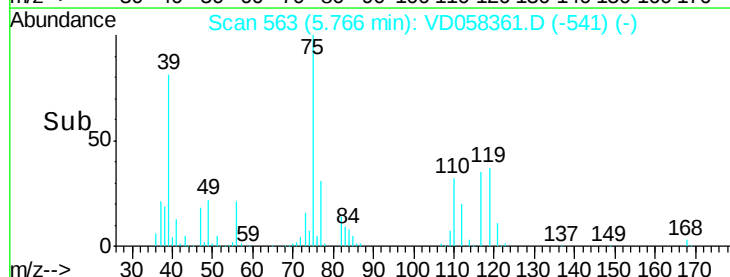
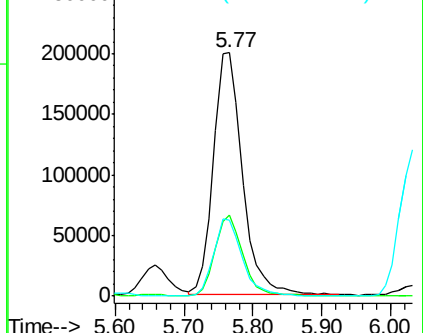
77 30.9 25.4 38.2

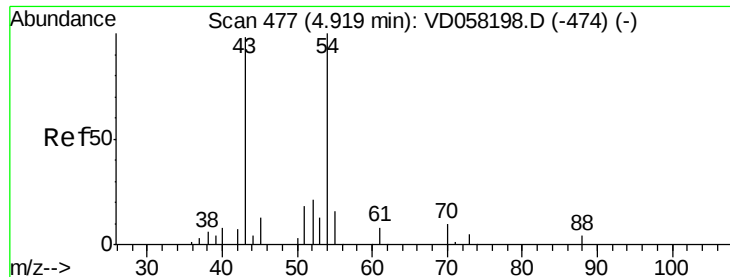


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

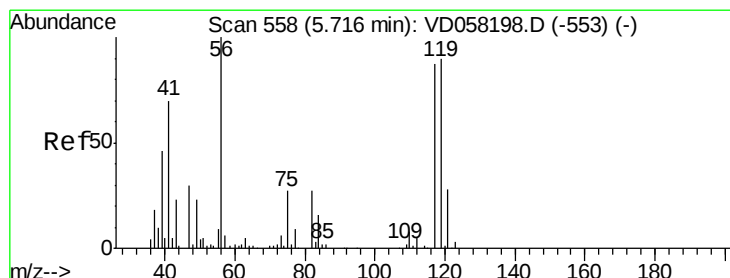
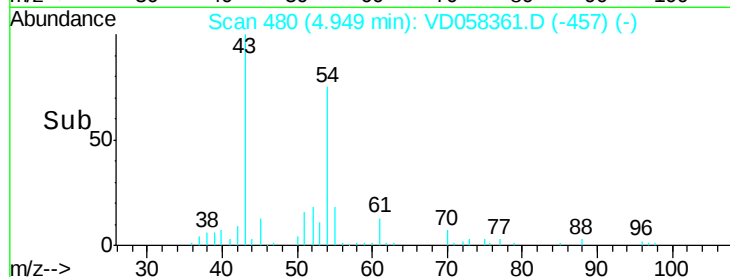
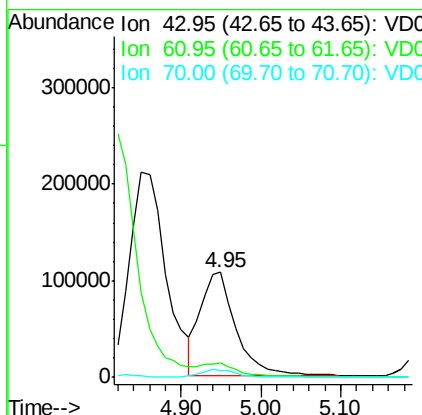
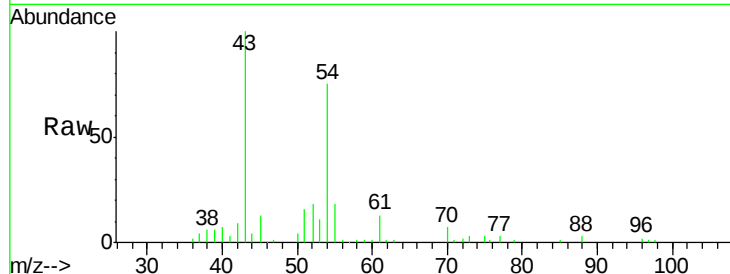




#37
Ethyl Acetate
Concen: 46.70 ug/l
RT: 4.95 min Scan# 480
Delta R.T. 0.03 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

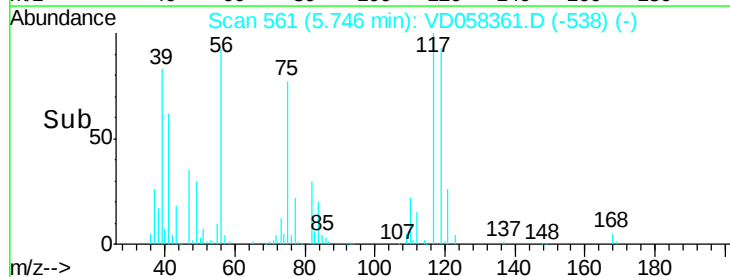
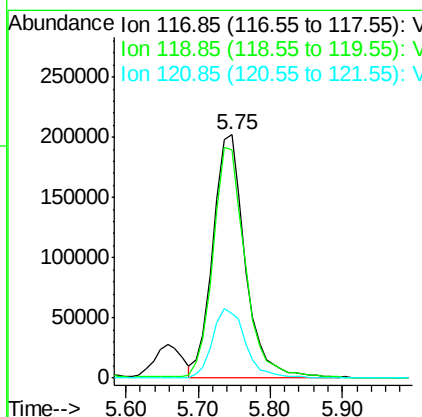
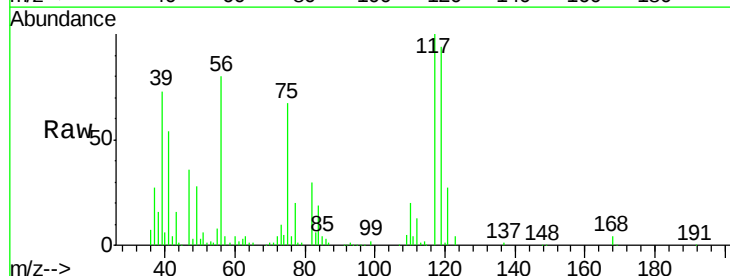
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 334856
Ion Ratio Lower Upper
43 100
61 13.4 10.3 15.5
70 6.6 5.7 8.5



#38
Carbon Tetrachloride
Concen: 49.30 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 117 Resp: 616528
Ion Ratio Lower Upper
117 100
119 93.7 78.8 118.2
121 26.7 25.0 37.6





#39

Methvlcvclohexane

Concen: 47.53 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

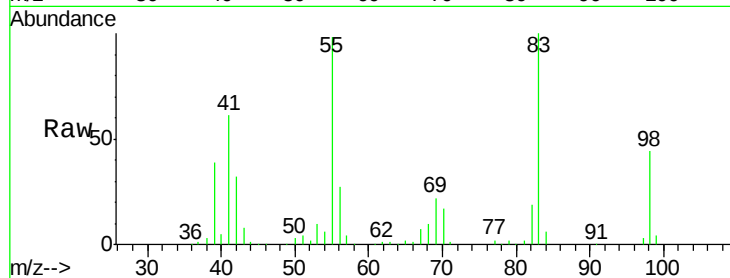
Tot Ion: 83 Resp: 582633

Ion Ratio Lower Upper

83 100

55 97.8 77.4 116.2

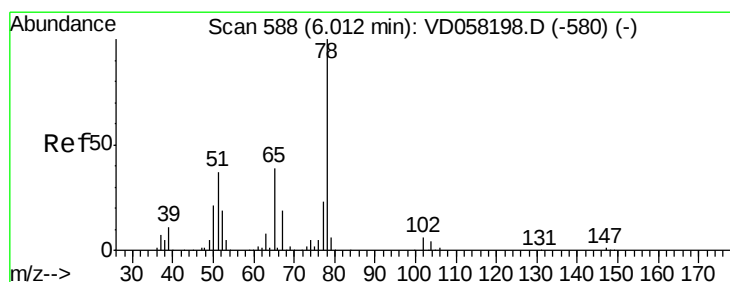
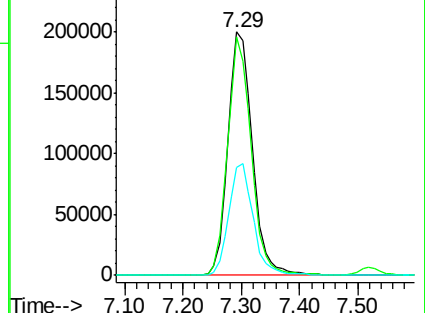
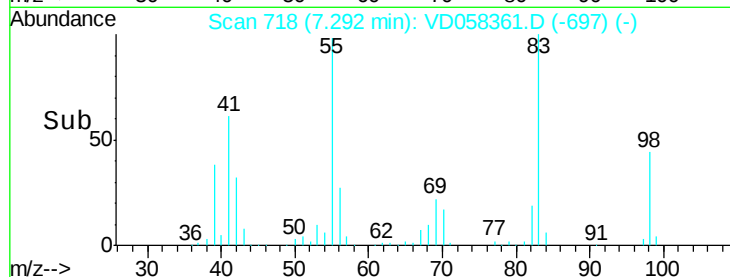
98 44.4 35.9 53.9



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: 46.74 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058361.D

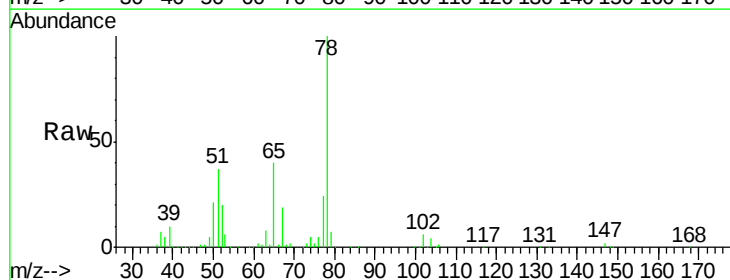
Acq: 24 Jun 2018 00:45

Tgt Ion: 78 Resp: 1401230

Ion Ratio Lower Upper

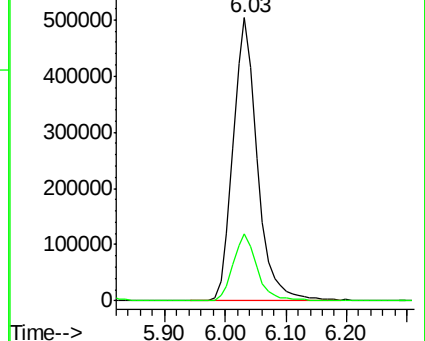
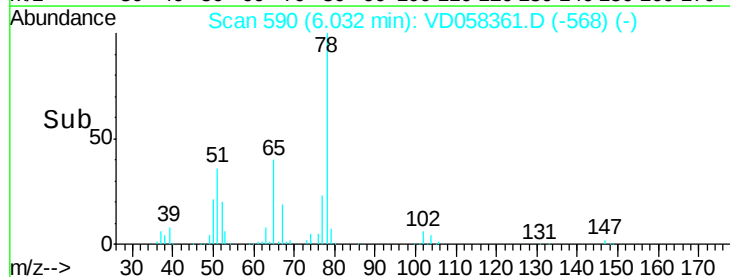
78 100

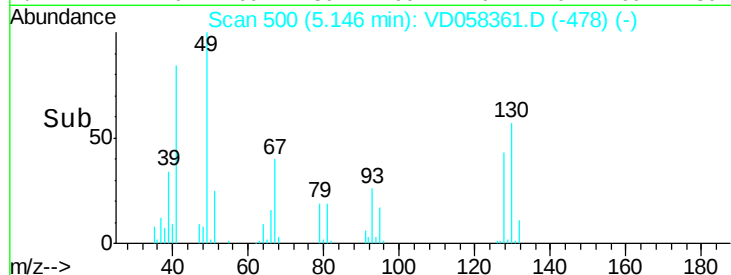
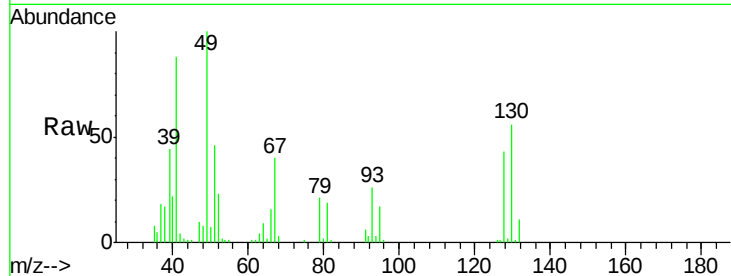
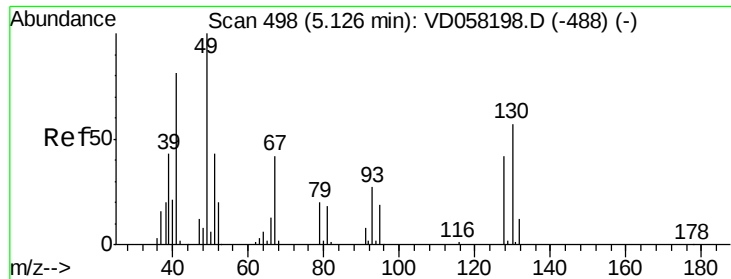
77 23.9 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

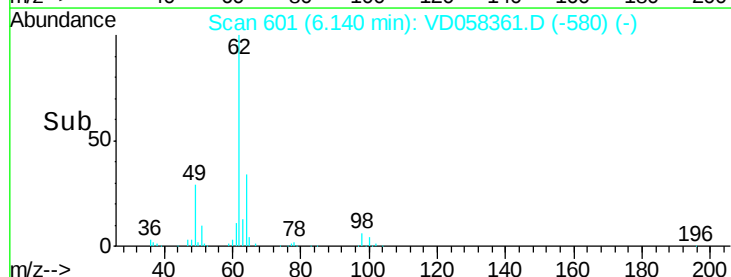
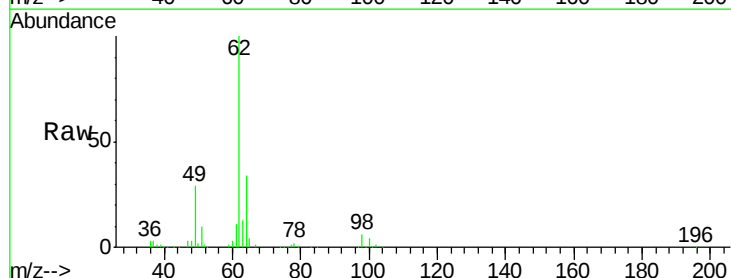
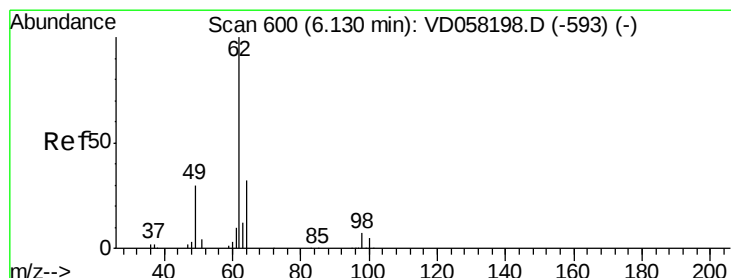
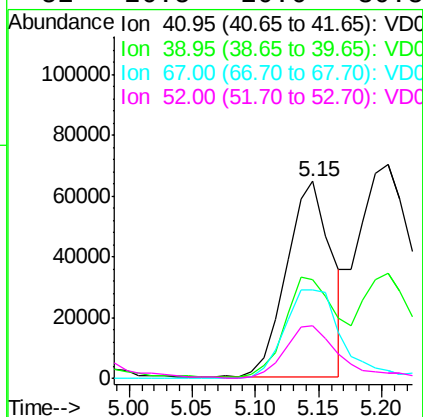




#41
Methacrylonitrile
Concen: 46.33 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

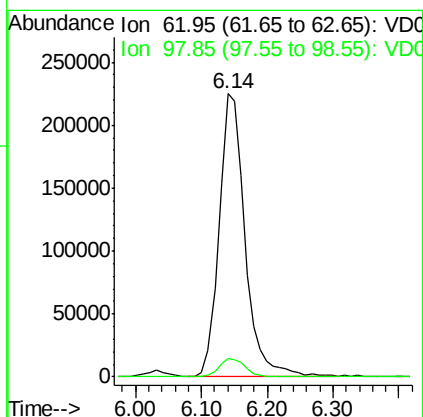
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

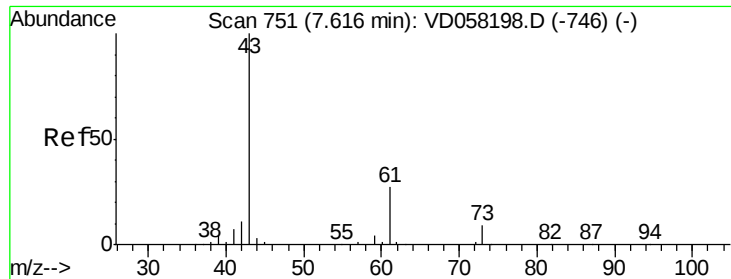
Tot Ion: 41 Resp: 160429
Ion Ratio Lower Upper
41 100
39 49.9 43.4 65.2
67 45.1 41.7 62.5
52 26.5 20.6 30.8



#42
1,2-Dichloroethane
Concen: 50.80 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 62 Resp: 614088
Ion Ratio Lower Upper
62 100
98 6.4 0.0 13.2





#43

Isopropyl Acetate

Concen: 47.22 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

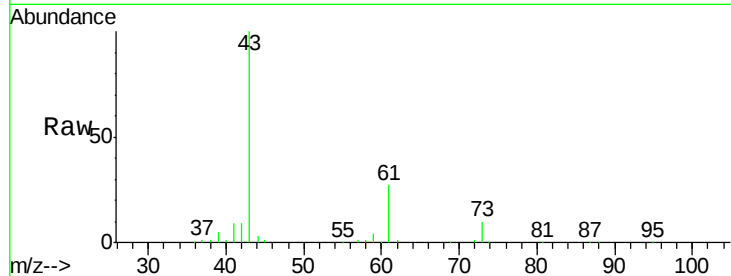
Tot Ion: 43 Resp: 451461

Ion Ratio Lower Upper

43 100

61 27.5 21.8 32.6

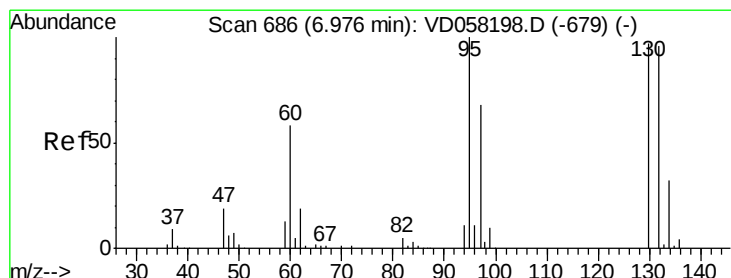
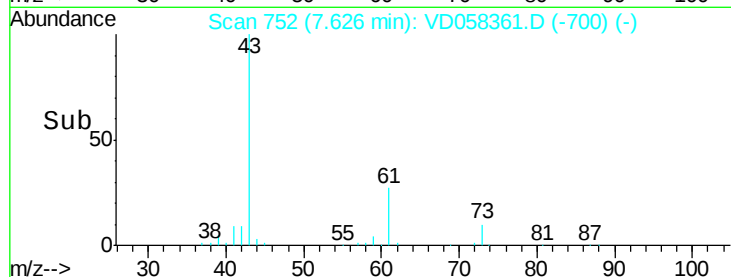
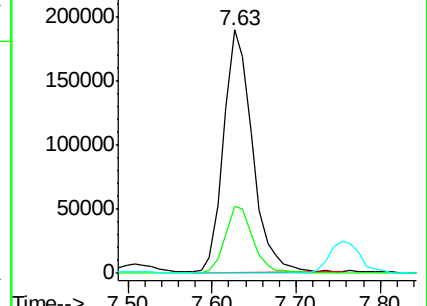
87 0.2 0.3 0.5#



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: 51.74 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058361.D

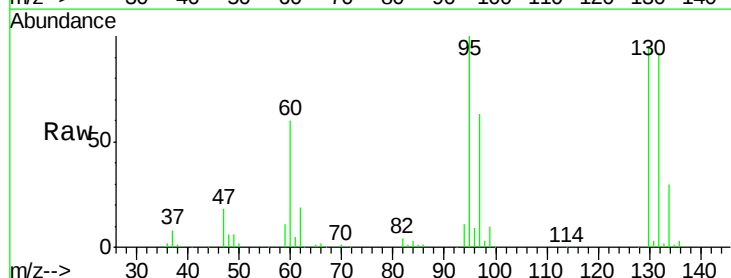
Acq: 24 Jun 2018 00:45

Tgt Ion:130 Resp: 465791

Ion Ratio Lower Upper

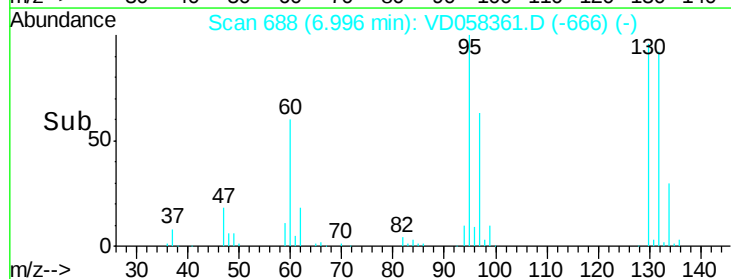
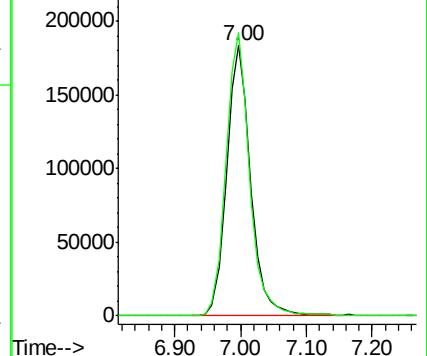
130 100

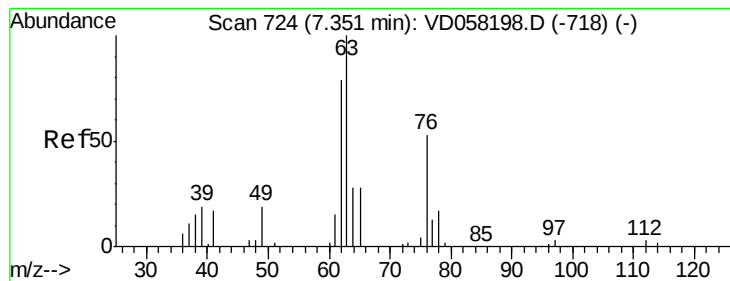
95 104.8 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.88 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

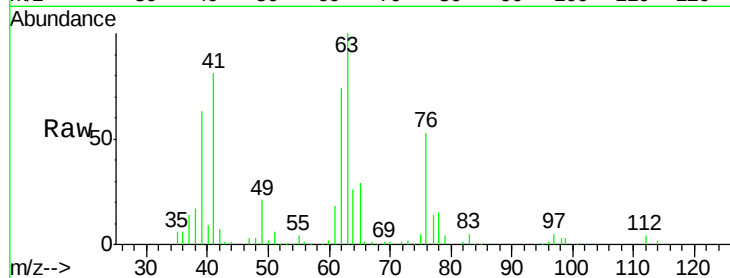
VSTDCCC050EC

Tot Ion: 63 Resp: 402745

Ion Ratio Lower Upper

63 100

65 29.1 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.36

150000

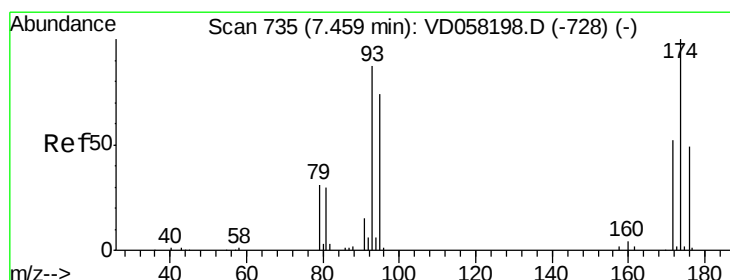
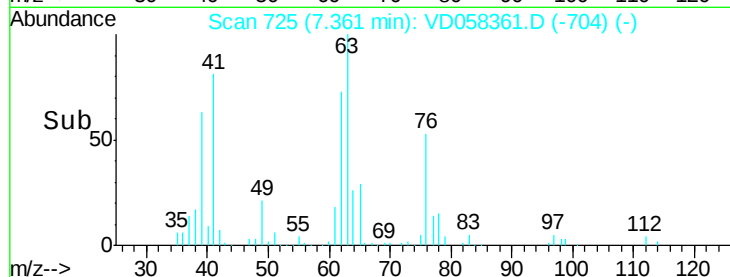
100000

50000

0

Time-->

7.20 7.40 7.60



#46

Dibromomethane

Concen: 50.90 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

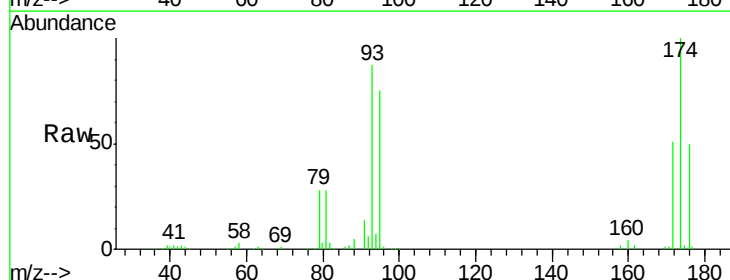
Tgt Ion: 93 Resp: 280578

Ion Ratio Lower Upper

93 100

95 85.3 67.8 101.6

174 114.4 92.2 138.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

150000

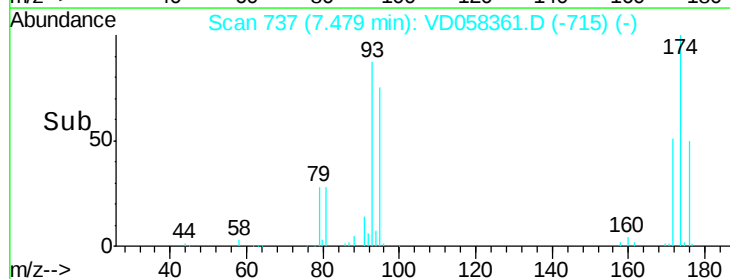
100000

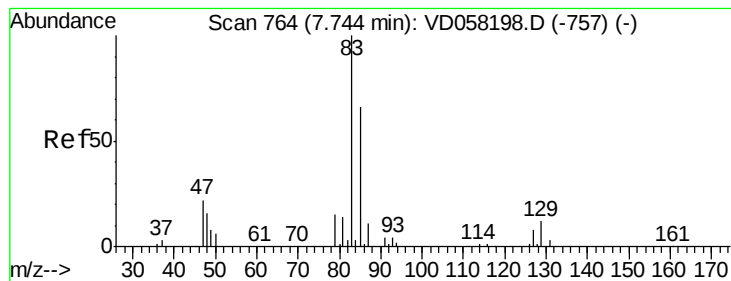
50000

0

Time-->

7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 51.49 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

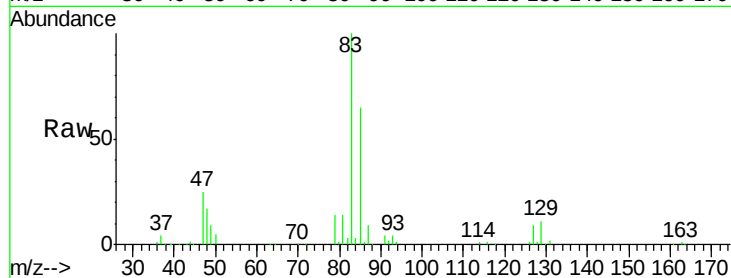
Tot Ion: 83 Resp: 647148

Ion Ratio Lower Upper

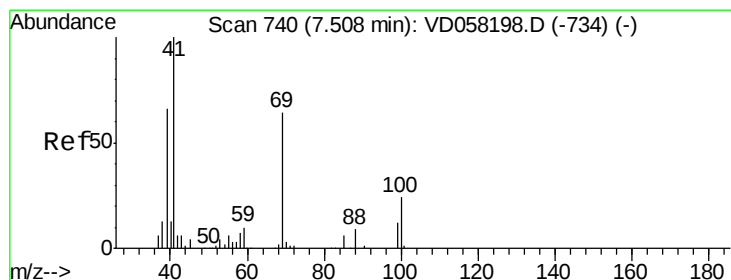
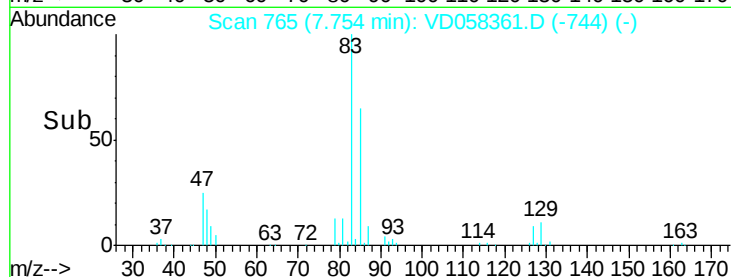
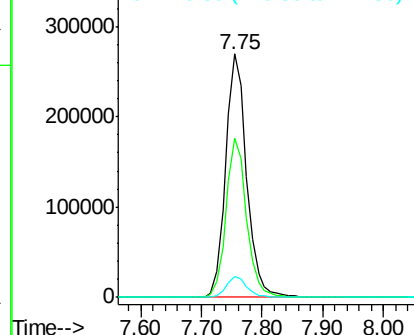
83 100

85 65.4 52.6 78.8

127 8.5 6.2 9.4



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: 48.06 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

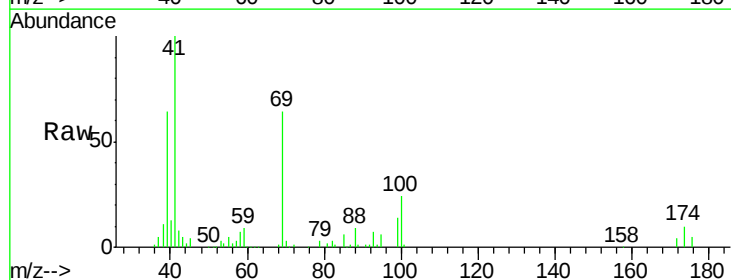
Tgt Ion: 41 Resp: 279239

Ion Ratio Lower Upper

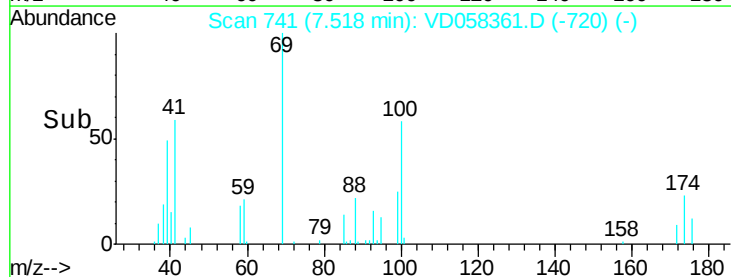
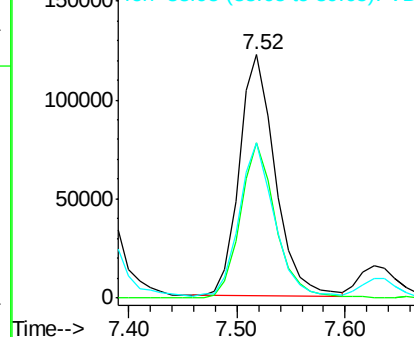
41 100

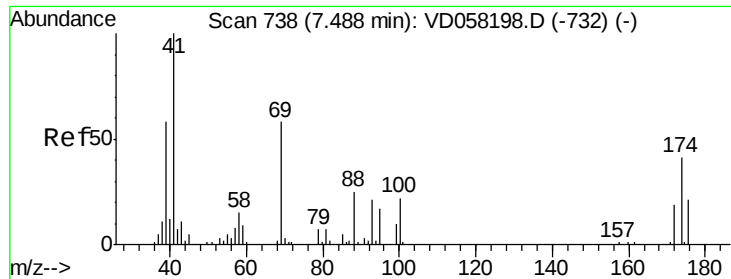
69 64.0 50.7 76.1

39 63.5 52.6 78.8



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

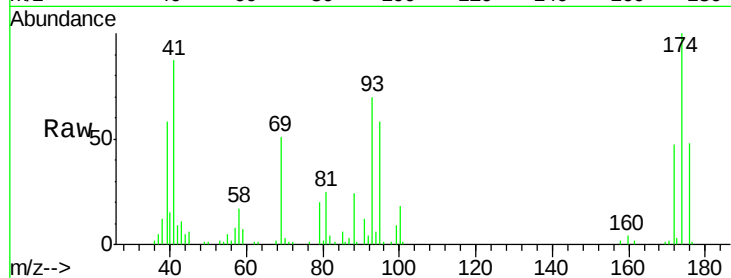




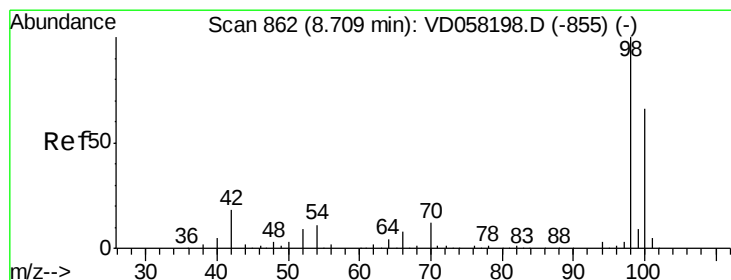
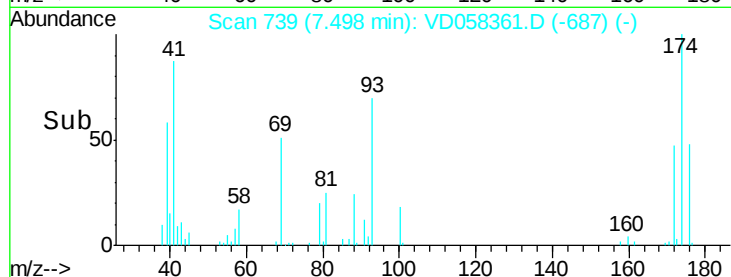
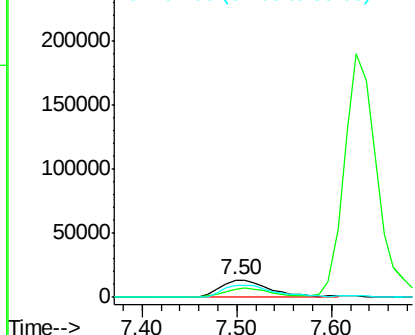
#49
1,4-Dioxane
Concen: 940.74 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 49341
Ion Ratio Lower Upper
88 100
43 46.3 34.2 51.2
58 71.5 47.9 71.9

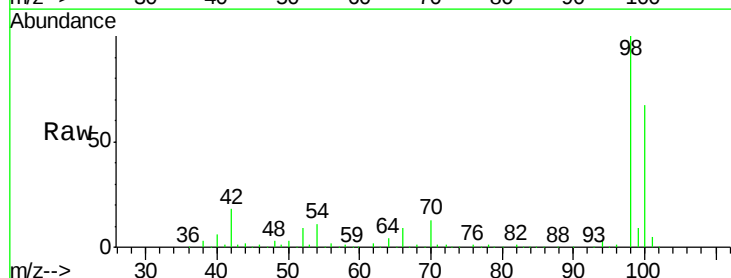


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

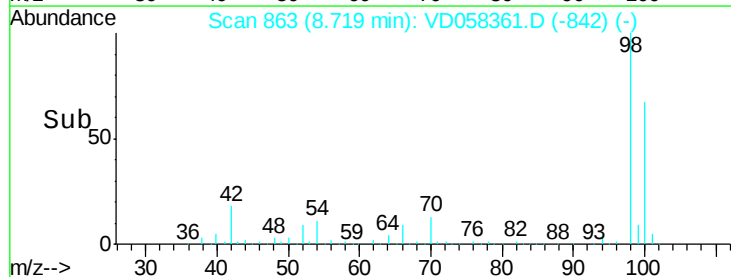
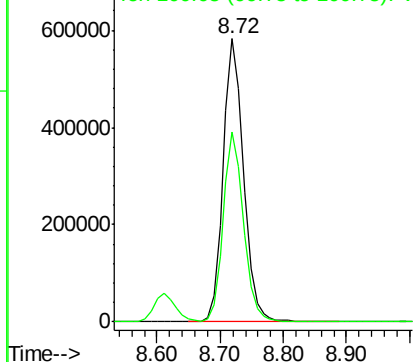


#50
Toluene-d8
Concen: 940.74 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 98 Resp: 1312847
Ion Ratio Lower Upper
98 100
100 67.2 53.6 80.4



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: 233.58 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

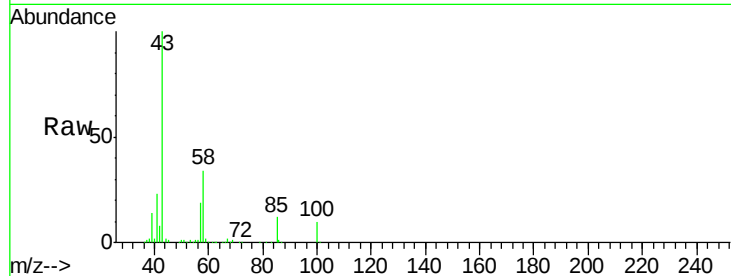
VSTDCCC050EC

Tot Ion: 43 Resp: 1456550

Ion Ratio Lower Upper

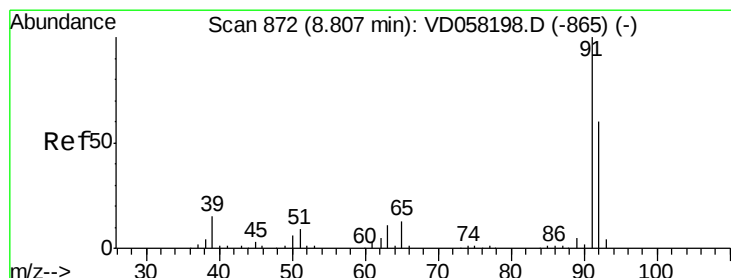
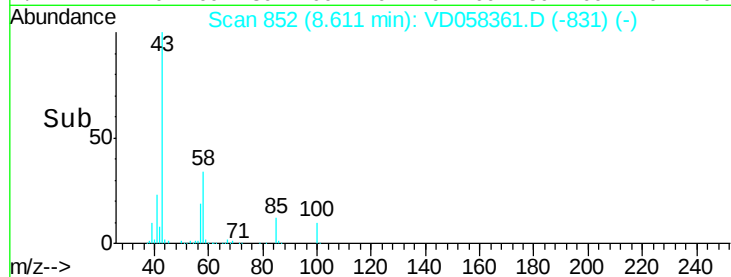
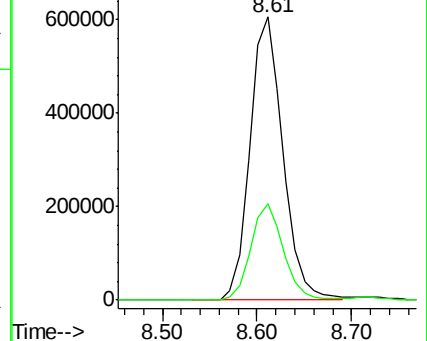
43 100

58 34.0 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 47.16 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058361.D

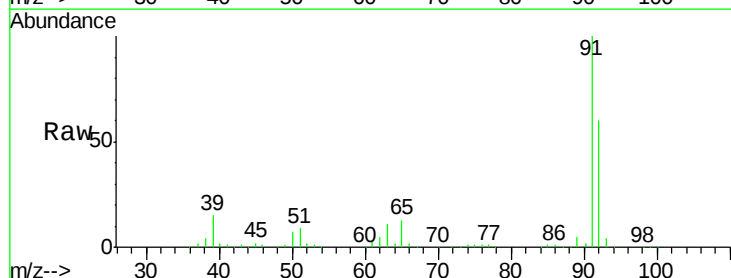
Acq: 24 Jun 2018 00:45

Tgt Ion: 92 Resp: 805124

Ion Ratio Lower Upper

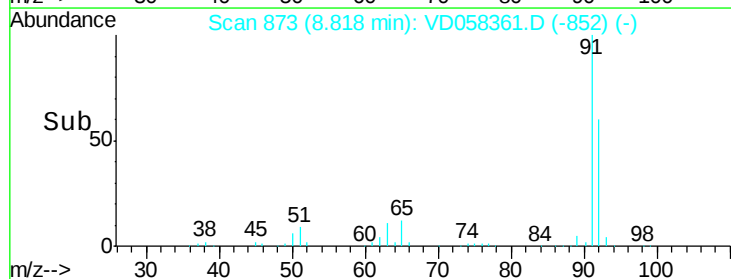
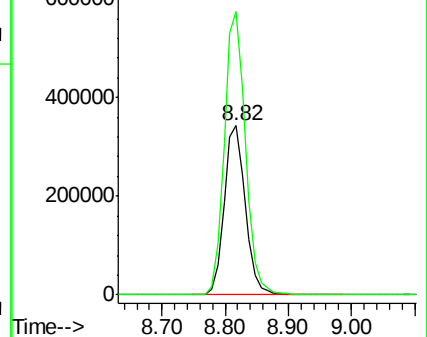
92 100

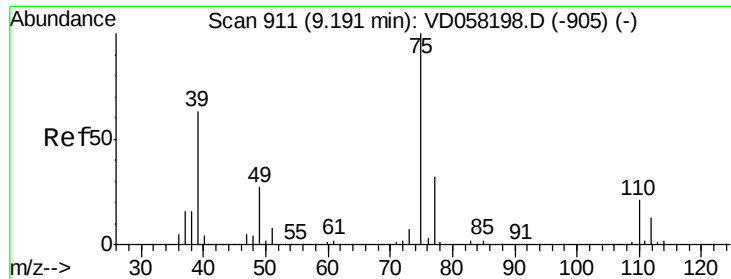
91 167.5 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

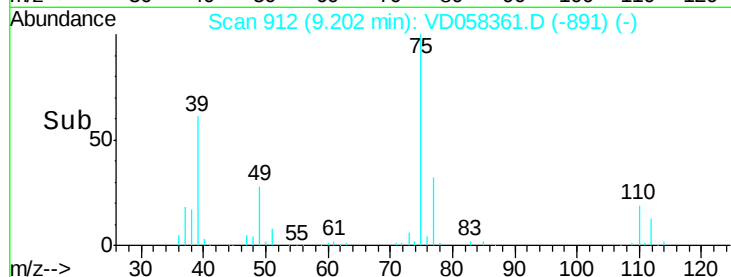
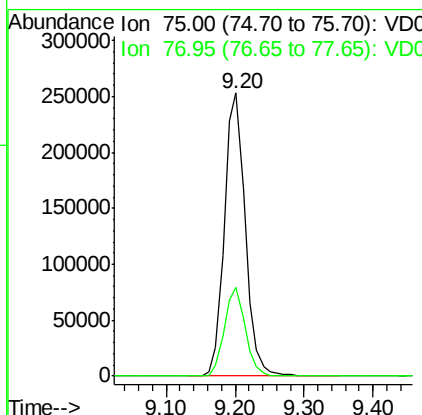
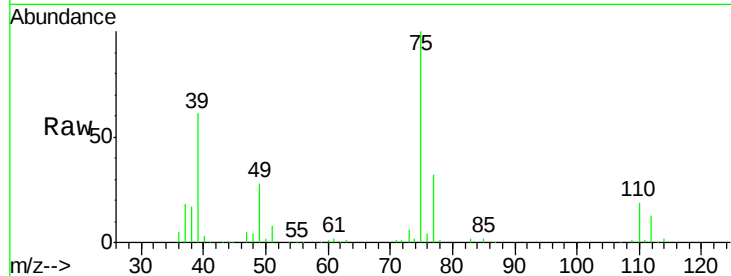




#53
 t-1,3-Dichloropropene
 Concen: 48.49 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

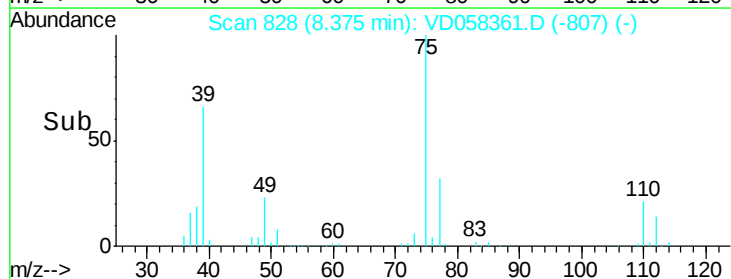
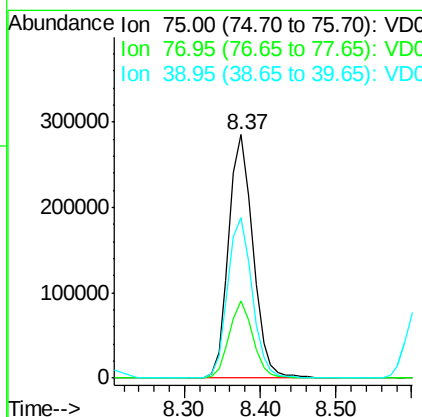
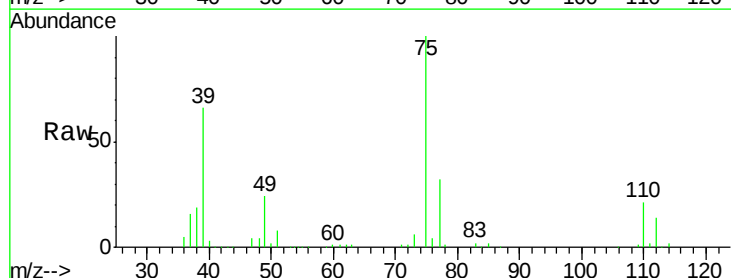
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

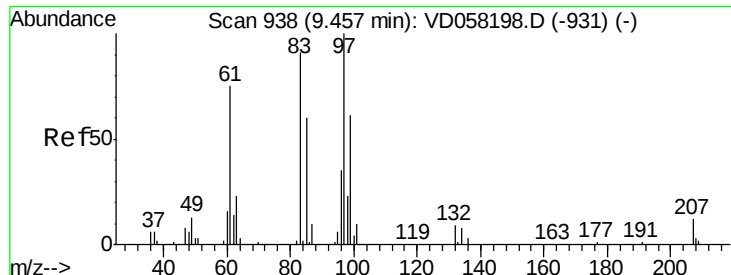
Tot Ion: 75 Resp: 529865
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 49.65 ug/l
 RT: 8.37 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion: 75 Resp: 636102
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.5 39.7
 39 66.0 52.9 79.3

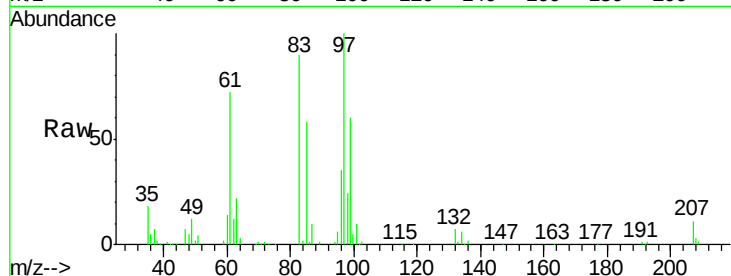




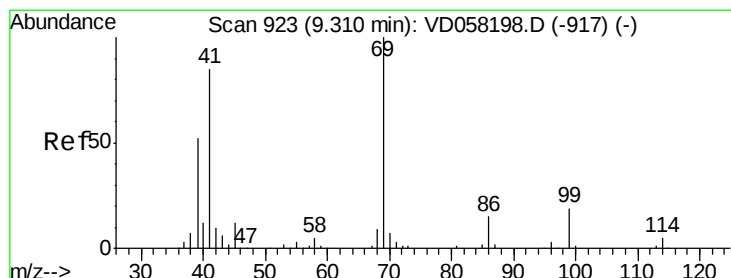
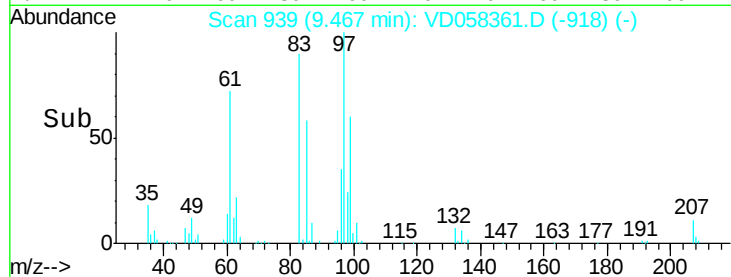
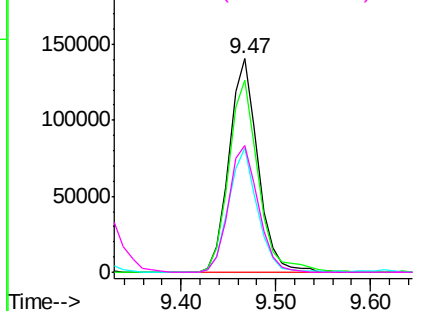
#55
 1,1,2-Trichloroethane
 Concen: 49.03 ug/l
 RT: 9.47 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	296123
Ion	Ratio	Lower	Upper
97	100		
83	89.6	72.9	109.3
85	58.2	48.2	72.4
99	59.5	48.9	73.3

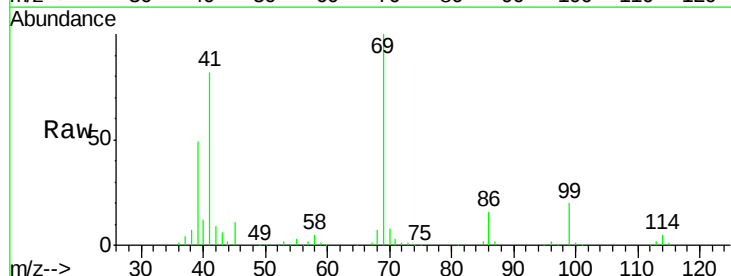


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

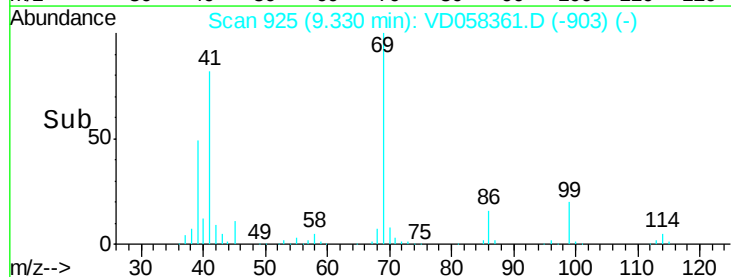
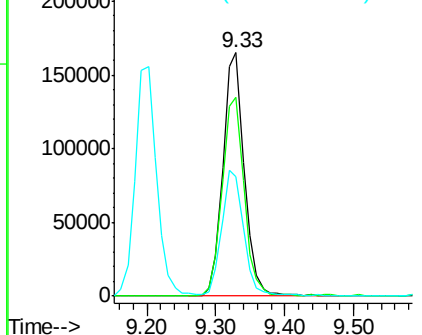


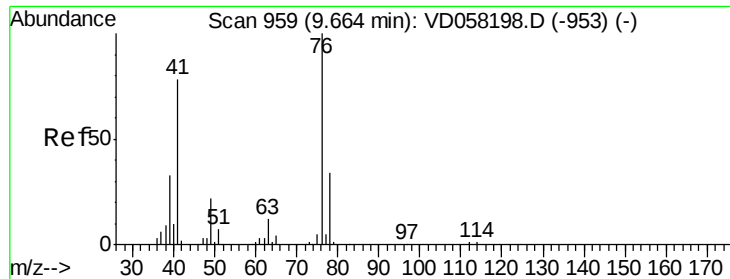
#56
 Ethyl methacrylate
 Concen: 49.18 ug/l
 RT: 9.33 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion:	69	Resp:	355224
Ion	Ratio	Lower	Upper
69	100		
41	81.8	67.6	101.4
39	49.1	42.2	63.2



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

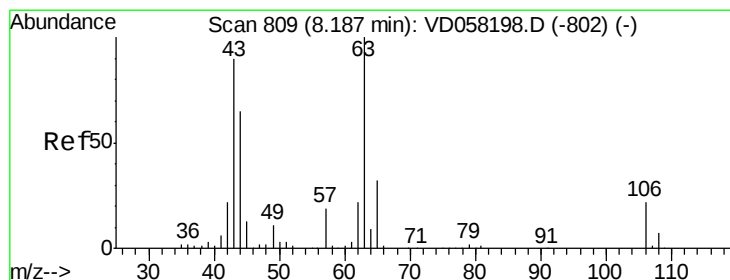
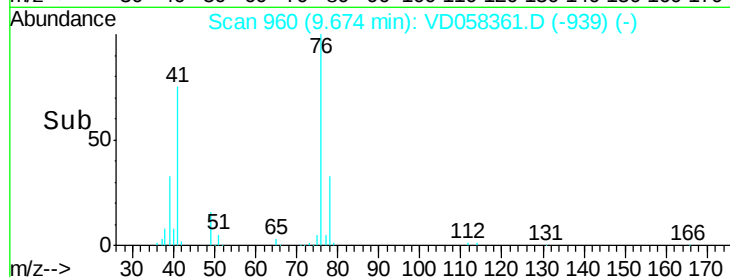
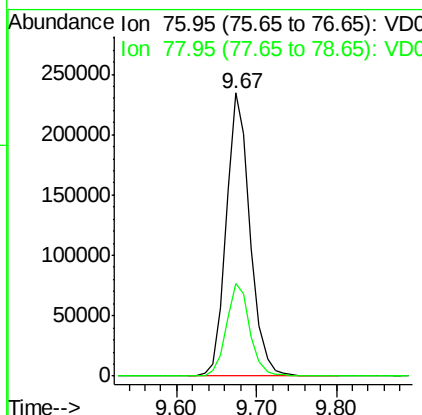
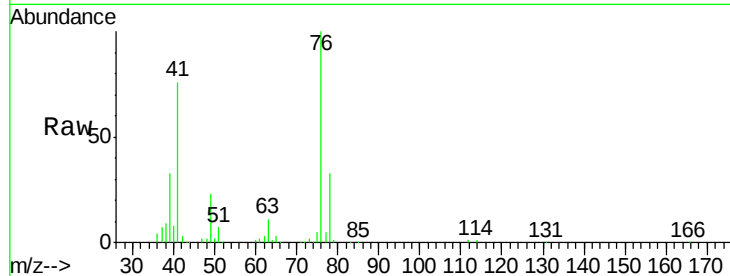




#57
 1,3-Dichloropropane
 Concen: 48.25 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

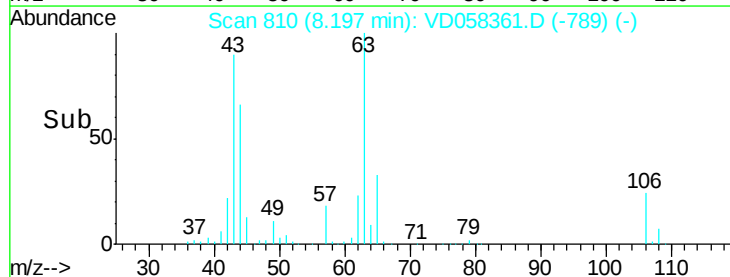
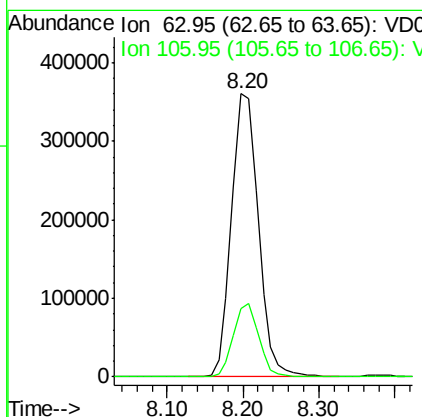
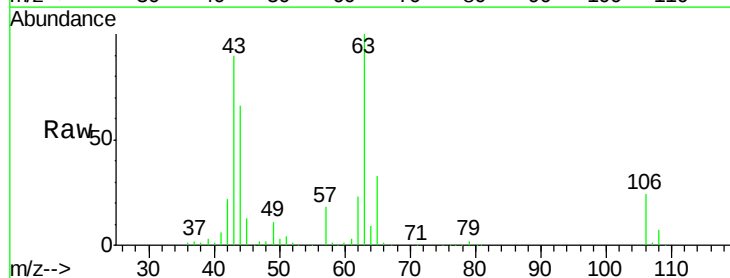
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

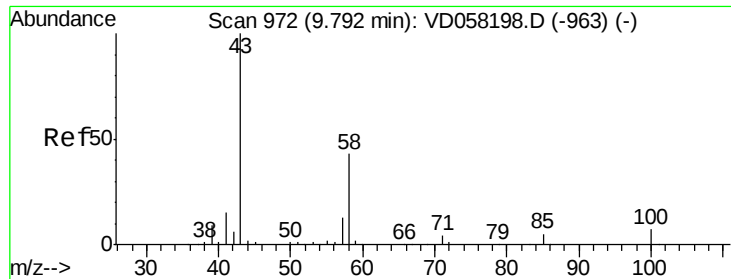
Tot Ion: 76 Resp: 490887
 Ion Ratio Lower Upper
 76 100
 78 32.9 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.28 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion: 63 Resp: 887816
 Ion Ratio Lower Upper
 63 100
 106 24.1 18.0 27.0

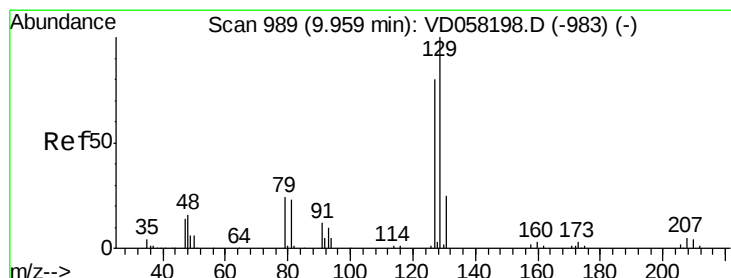
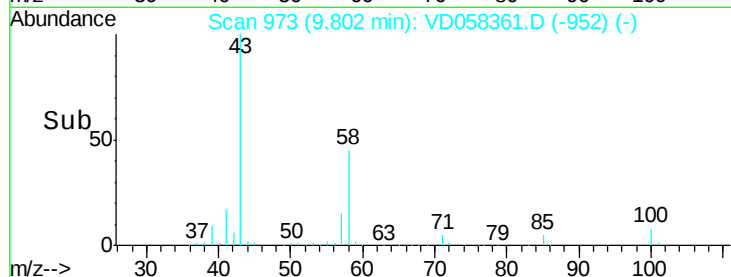
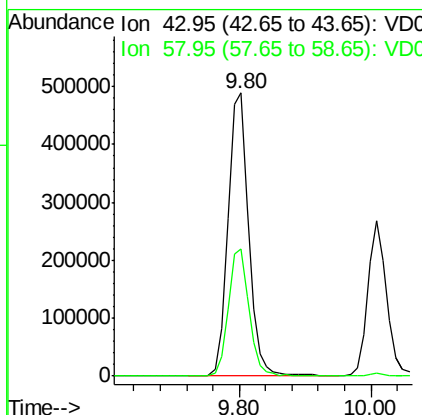
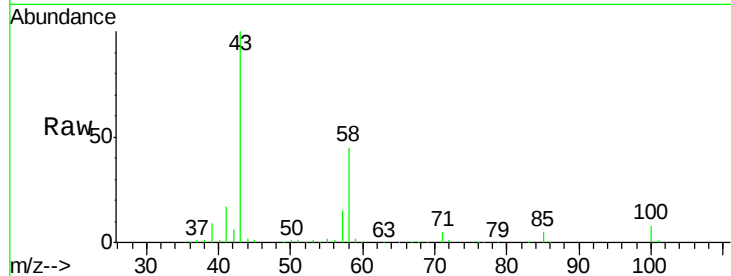




#59
2-Hexanone
Concen: 238.99 ug/l
RT: 9.80 min Scan# 973
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

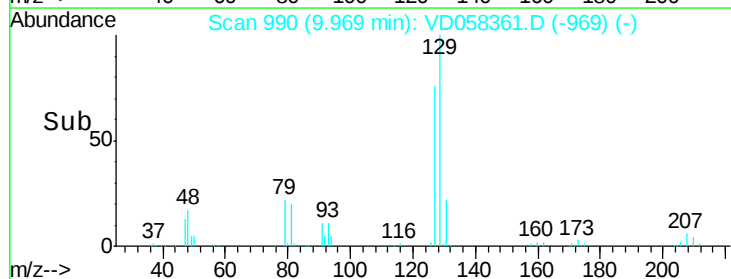
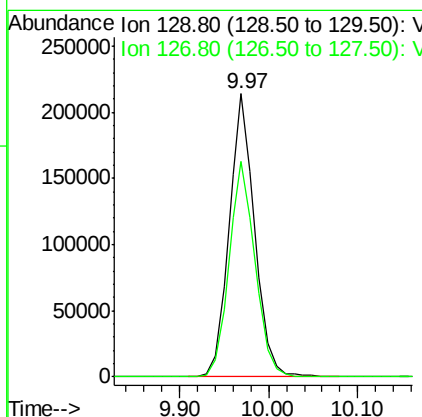
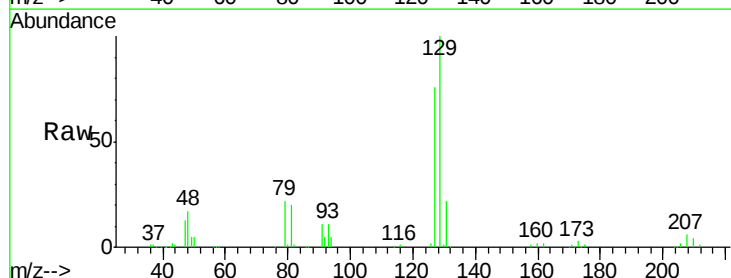
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

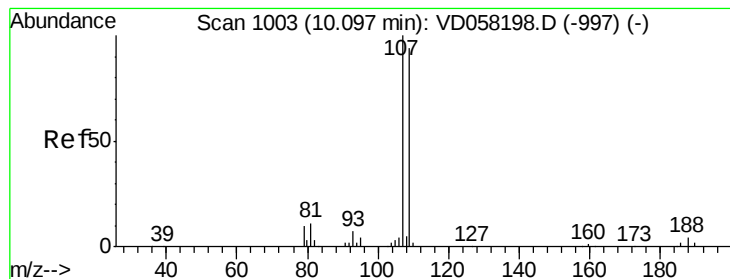
Tot Ion: 43 Resp: 1076875
Ion Ratio Lower Upper
43 100
58 45.2 21.7 65.1



#60
Dibromochloromethane
Concen: 52.22 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 129 Resp: 428007
Ion Ratio Lower Upper
129 100
127 76.1 39.8 119.4

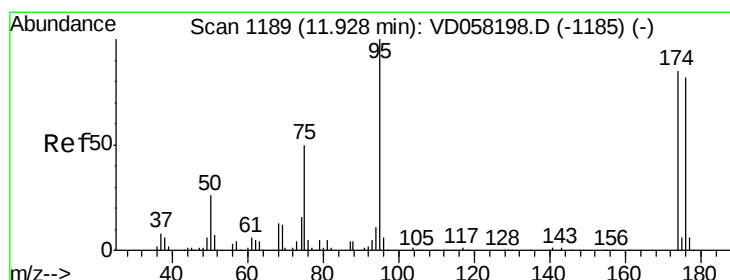
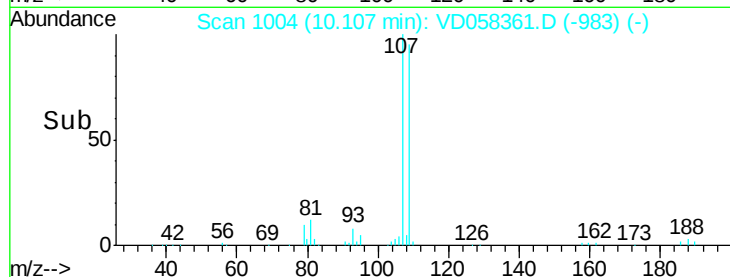
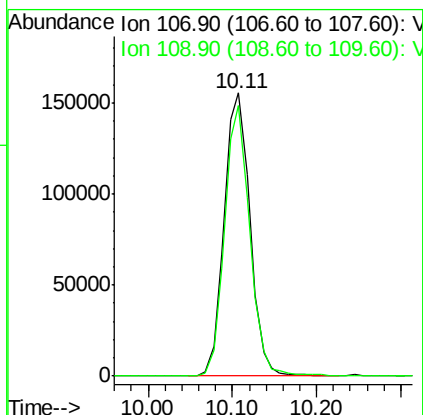
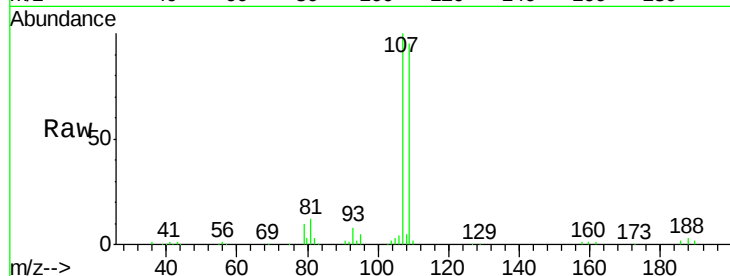




#61
 1,2-Dibromoethane
 Concen: 49.96 ug/l
 RT: 10.11 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

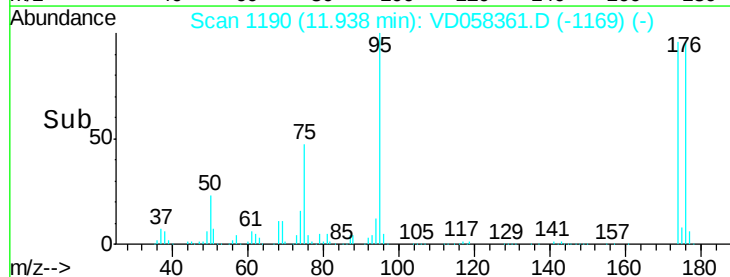
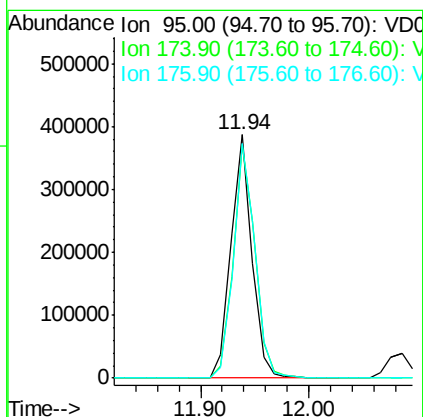
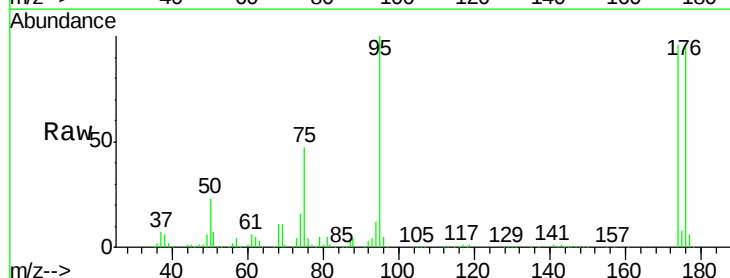
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

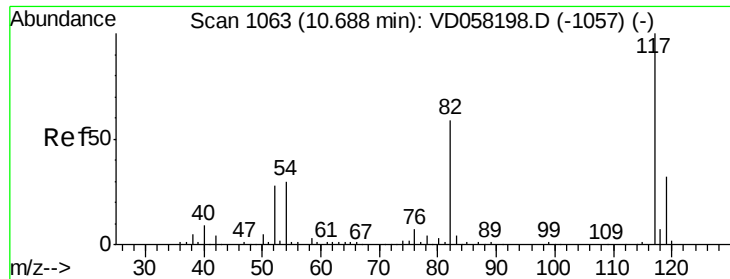
Tot Ion: 107 Resp: 330284
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 49.96 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion: 95 Resp: 526375
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 170.2
 176 96.2 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

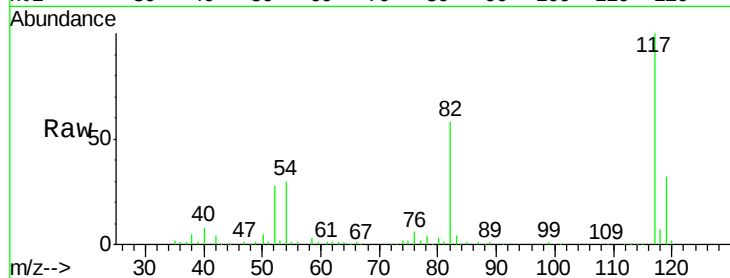
Tot Ion:117 Resp: 1026842

Ion Ratio Lower Upper

117 100

82 57.8 47.0 70.6

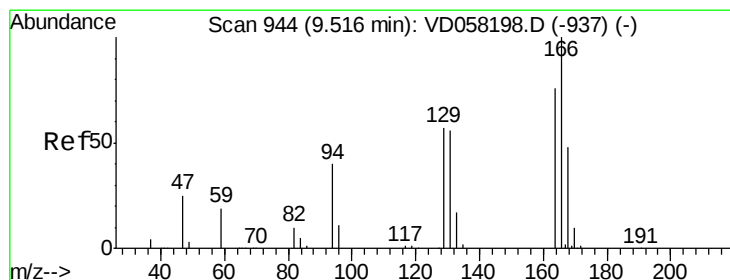
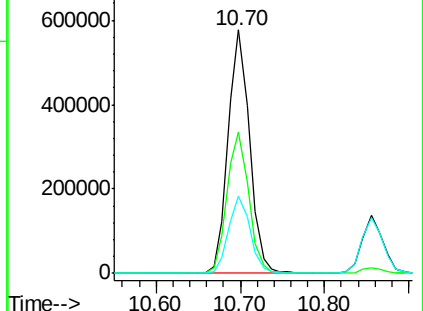
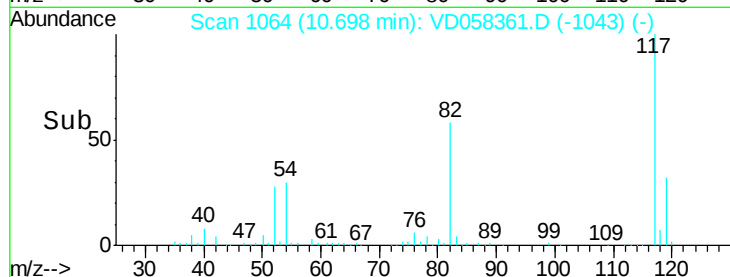
119 31.7 25.3 37.9



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: 50.95 ug/l

RT: 9.53 min Scan# 945

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Tgt Ion:164 Resp: 440219

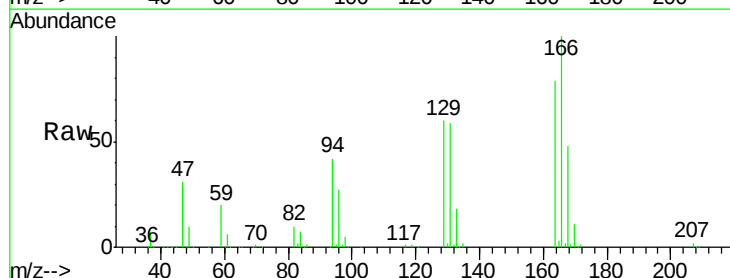
Ion Ratio Lower Upper

164 100

166 126.0 105.4 158.0

129 75.2 59.6 89.4

131 74.8 59.4 89.2

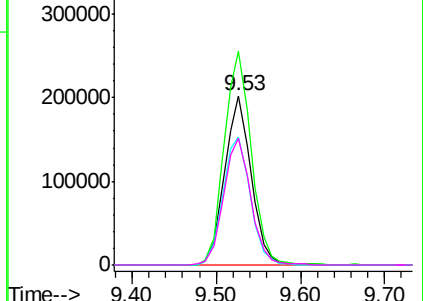
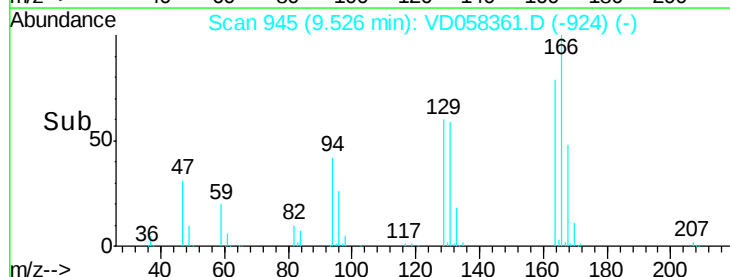


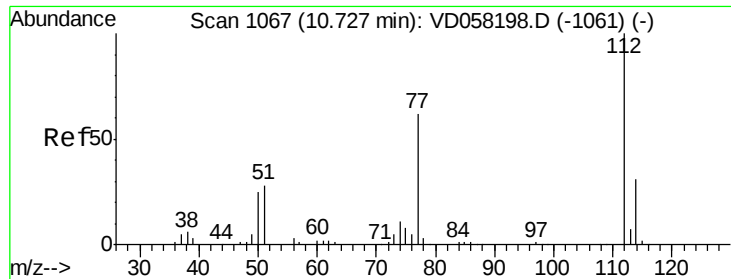
Abundance Ion 163.85 (163.55 to 164.55): V

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

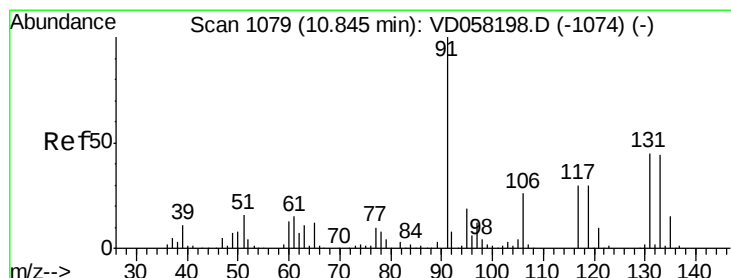
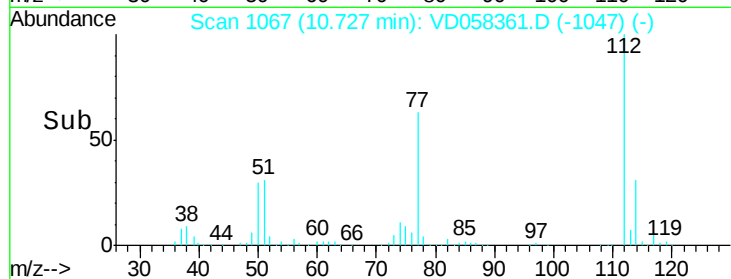
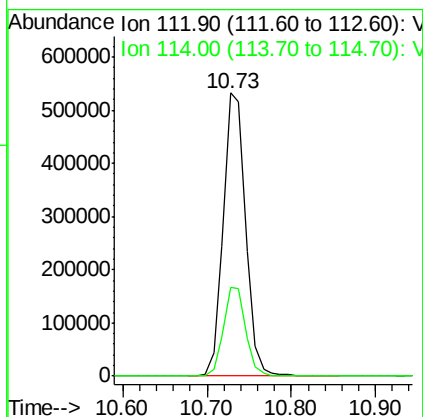
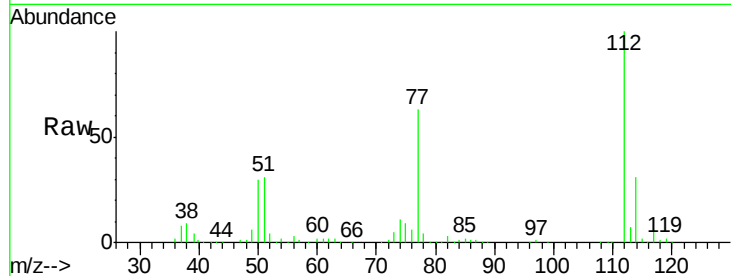




#65
Chlorobenzene
Concen: 51.16 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

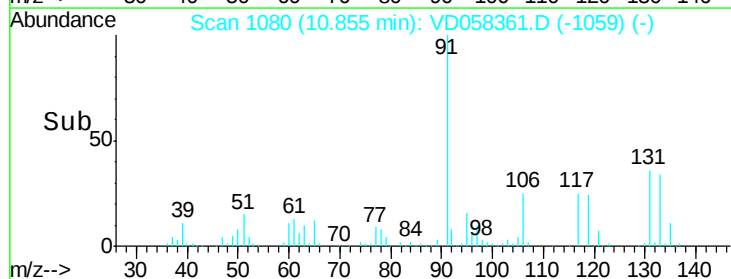
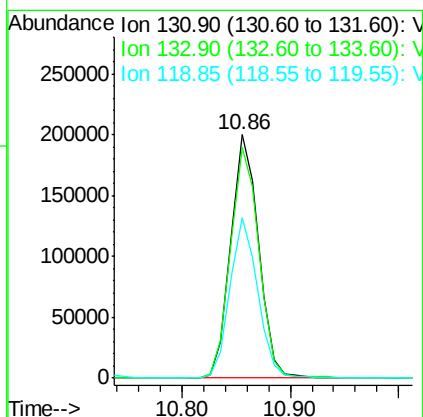
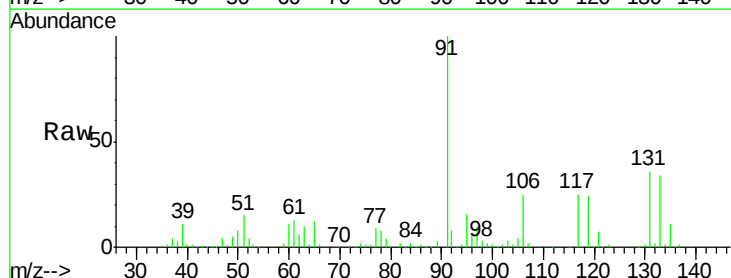
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

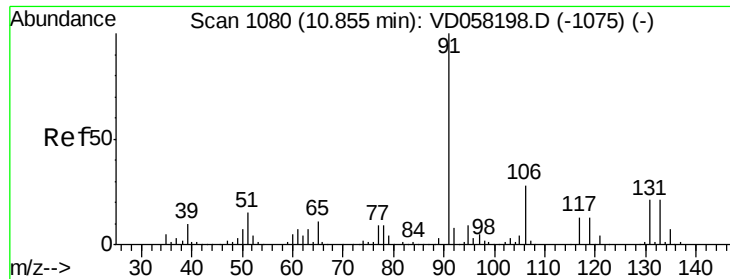
Tot Ion:112 Resp: 982716
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.50 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion:131 Resp: 359495
Ion Ratio Lower Upper
131 100
133 94.6 48.6 145.9
119 66.1 33.0 99.0

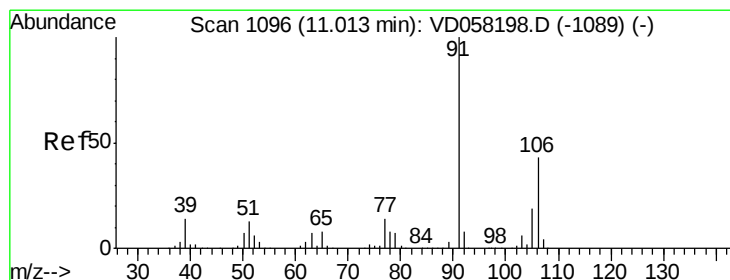
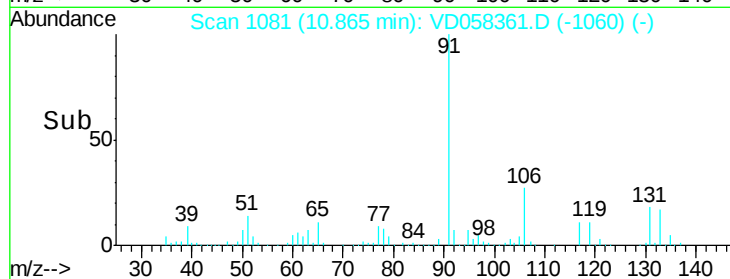
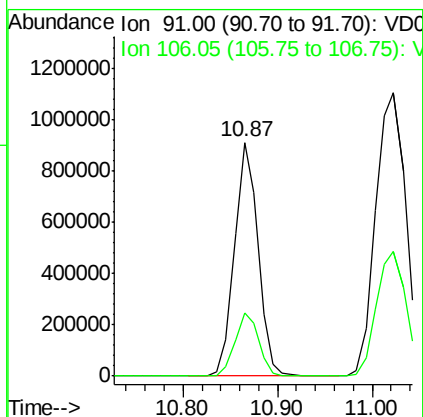
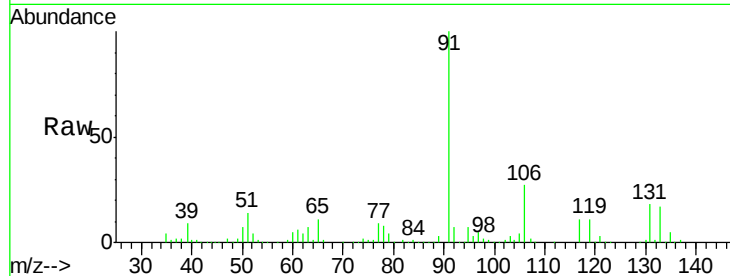




#67
Ethyl Benzene
Concen: 46.47 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

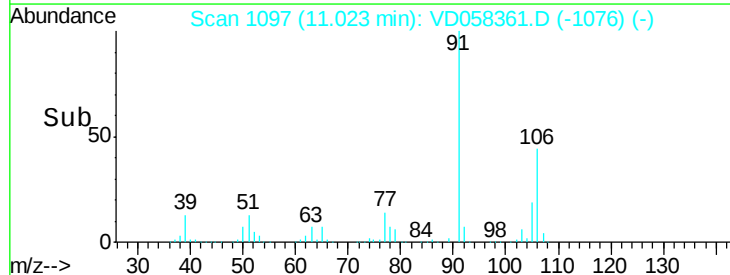
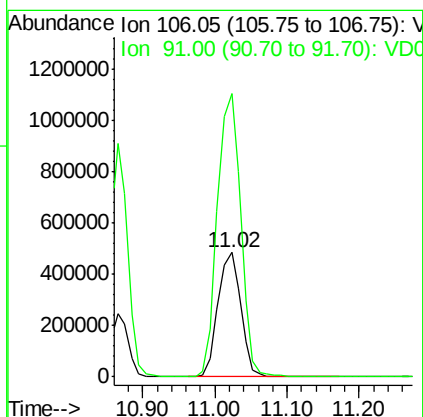
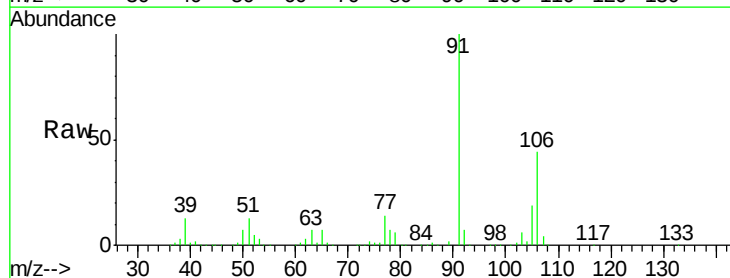
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

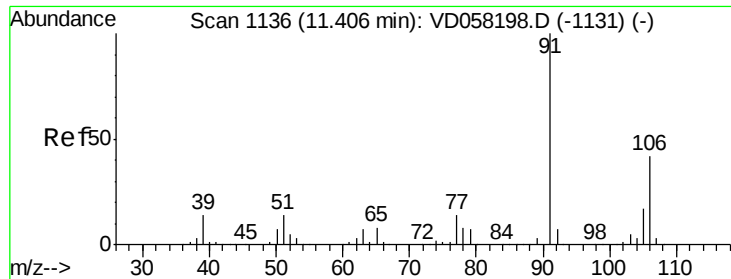
Tot Ion: 91 Resp: 1575770
Ion Ratio Lower Upper
91 100
106 27.1 22.0 33.0



#68
m/p-Xylenes
Concen: 93.82 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 106 Resp: 1060902
Ion Ratio Lower Upper
106 100
91 228.1 185.0 277.6

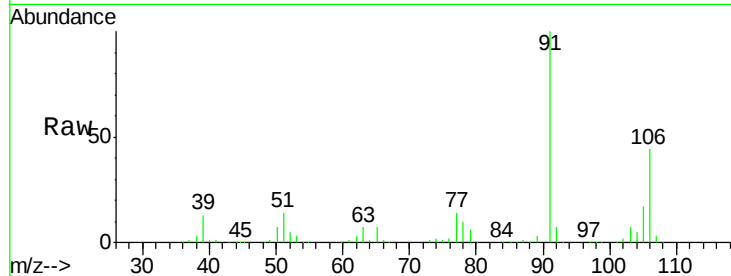




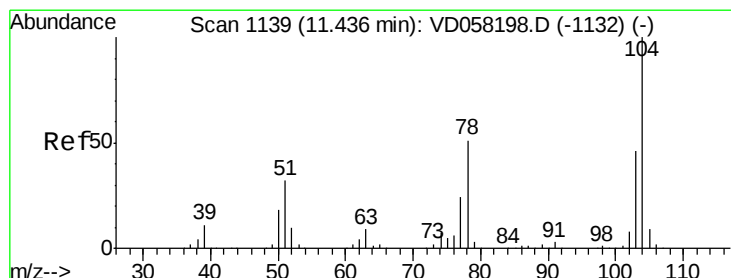
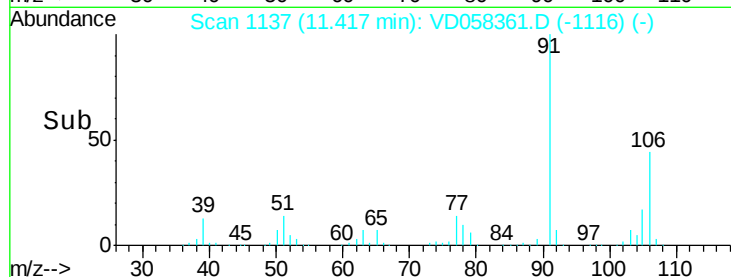
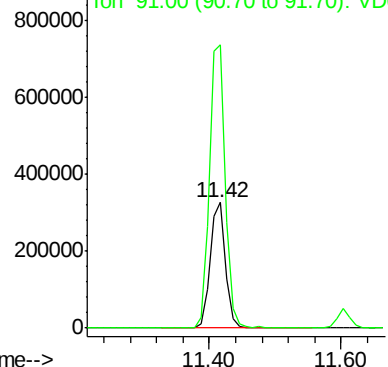
#69
o-Xylene
Concen: 48.96 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 528835
Ion Ratio Lower Upper
106 100
91 225.4 120.2 360.6

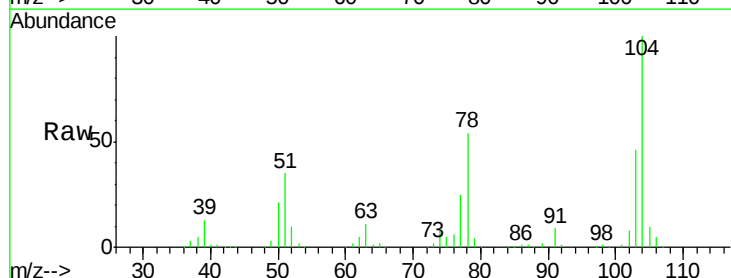


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

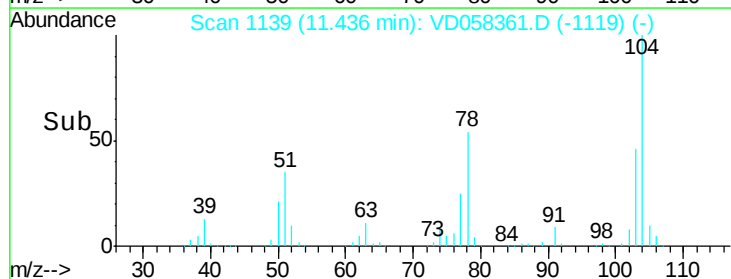
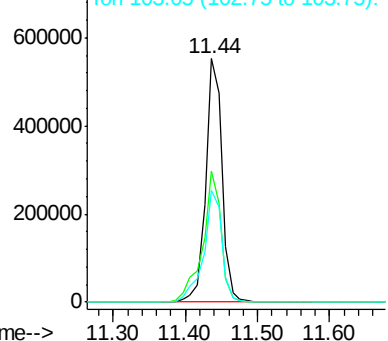


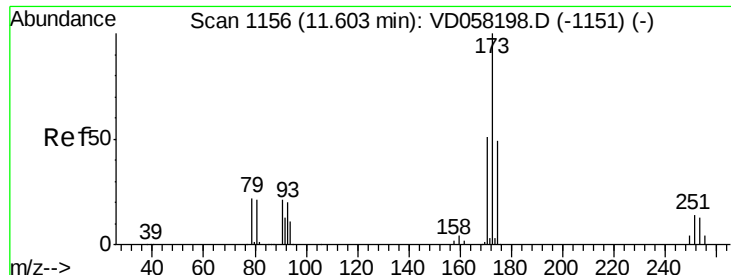
#70
Styrene
Concen: 47.34 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion:104 Resp: 872521
Ion Ratio Lower Upper
104 100
78 53.7 40.8 61.2
103 45.9 37.0 55.6



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

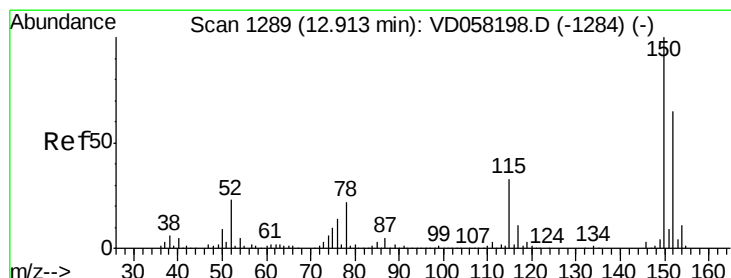
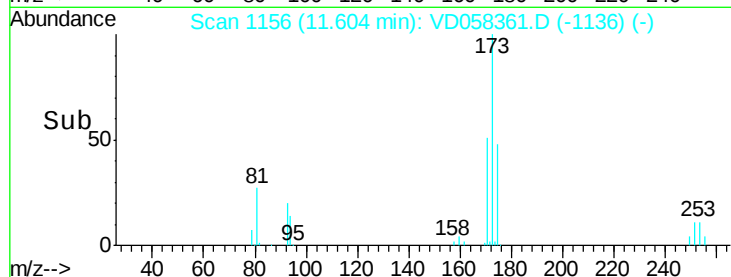
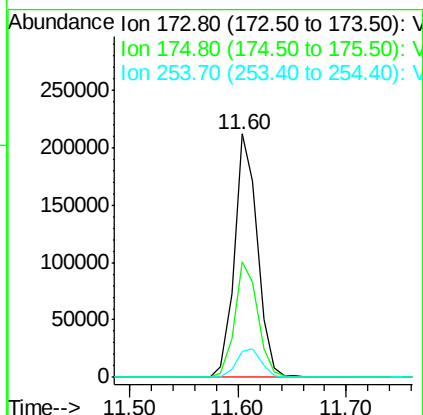
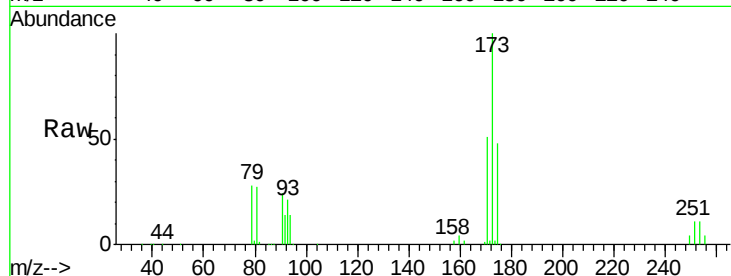




#71
Bromoform
Concen: 52.71 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

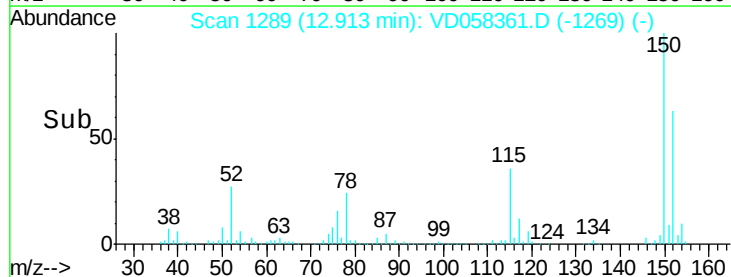
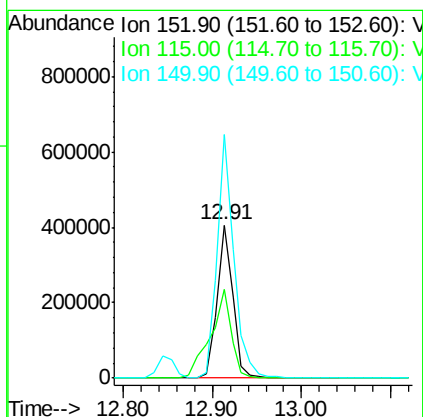
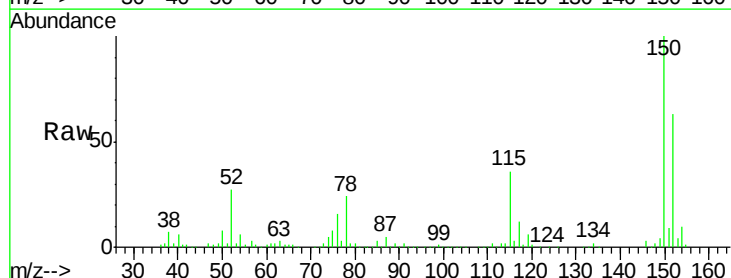
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

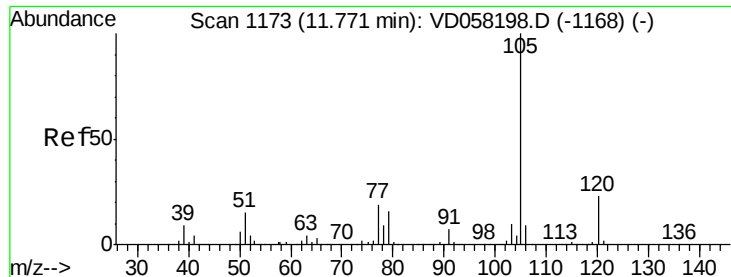
Tot Ion:173 Resp: 311653
Ion Ratio Lower Upper
173 100
175 47.7 24.6 74.0
254 10.8 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion:152 Resp: 497421
Ion Ratio Lower Upper
152 100
115 57.5 25.1 75.3
150 159.0 0.0 308.8





#73

Isopropylbenzene

Concen: 51.67 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

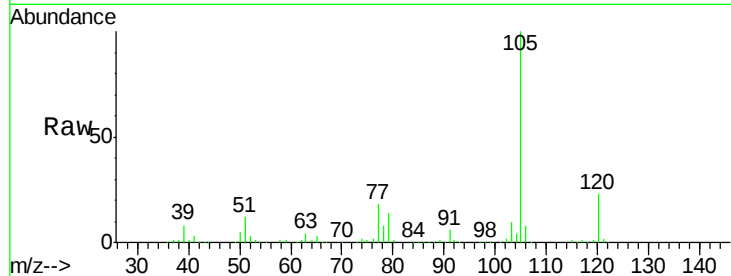
VSTDCCC050EC

Tot Ion:105 Resp: 1537380

Ion Ratio Lower Upper

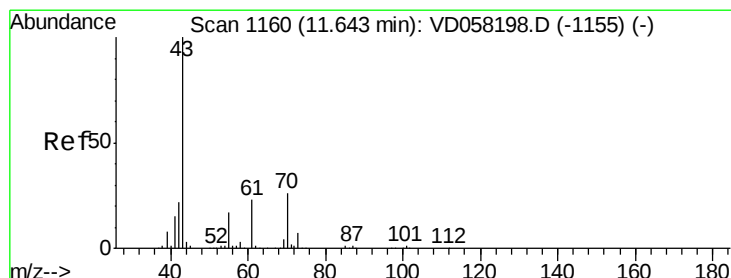
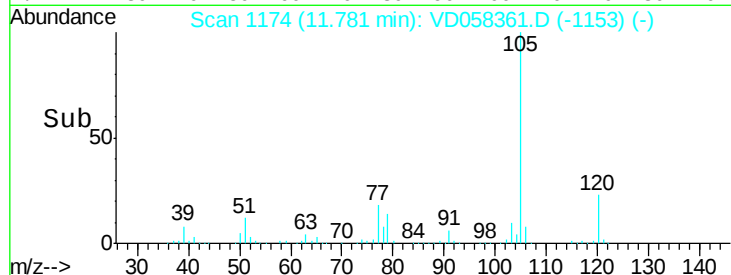
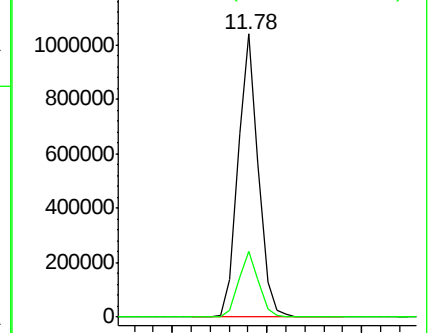
105 100

120 23.1 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.86 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Tgt Ion: 43 Resp: 596642

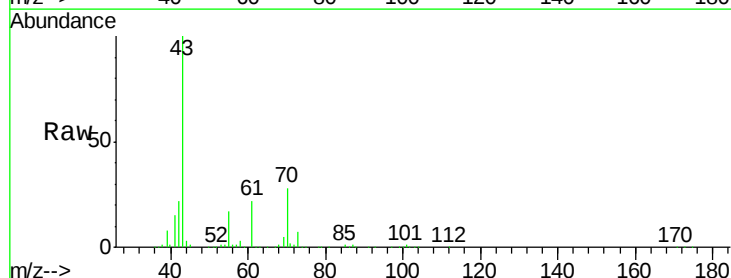
Ion Ratio Lower Upper

43 100

70 28.2 20.9 31.3

55 17.3 13.5 20.3

61 22.2 18.2 27.2

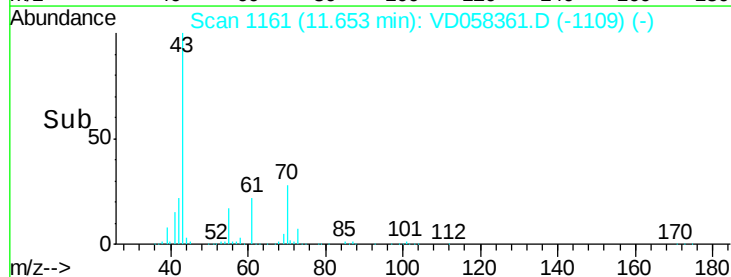
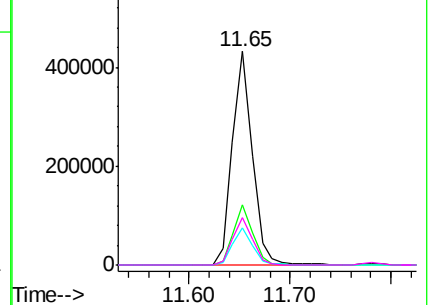


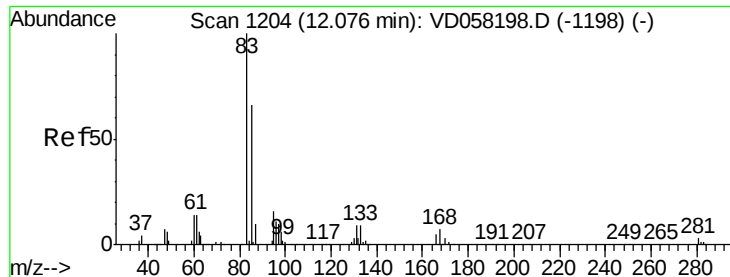
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.97 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

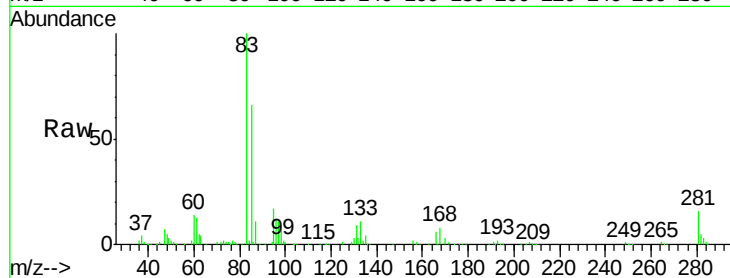
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 359809

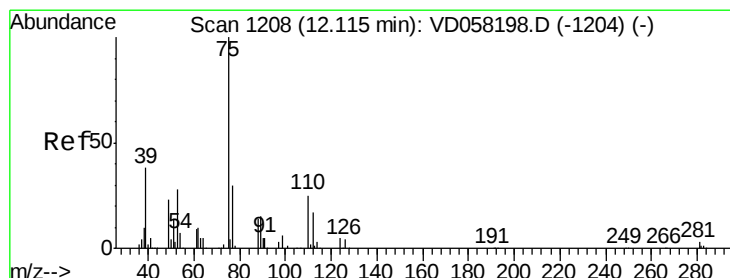
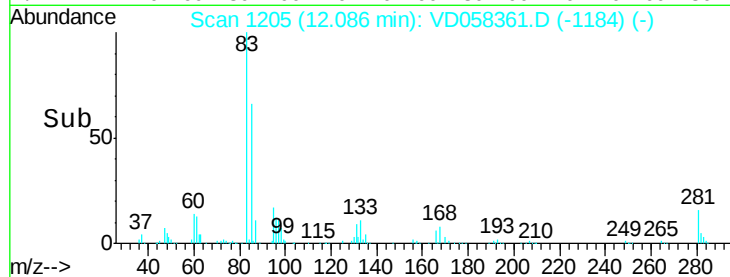
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.3
85	66.2	33.1	99.5



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: 50.74 ug/l

RT: 12.12 min Scan# 1208

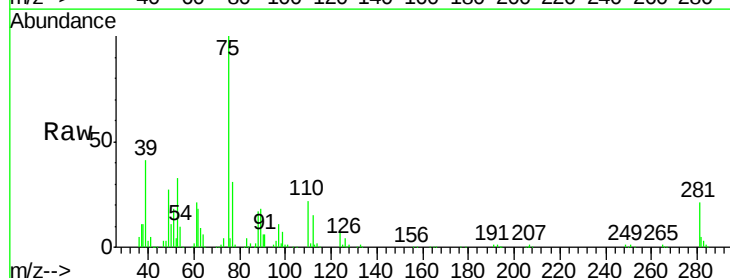
Delta R.T. 0.00 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

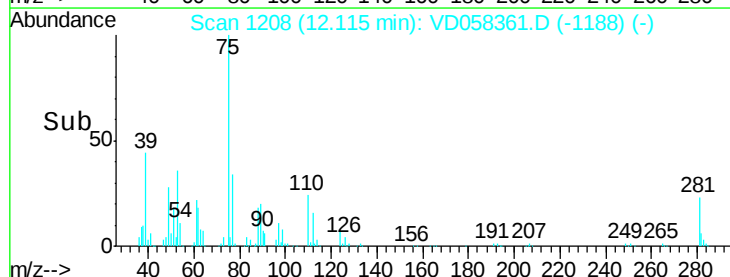
Tgt Ion: 75 Resp: 368499

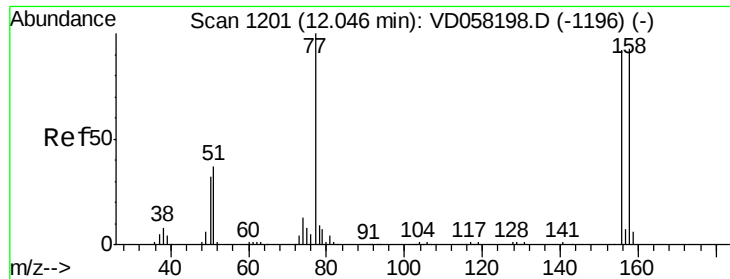
Ion	Ratio	Lower	Upper
75	100		
77	31.0	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

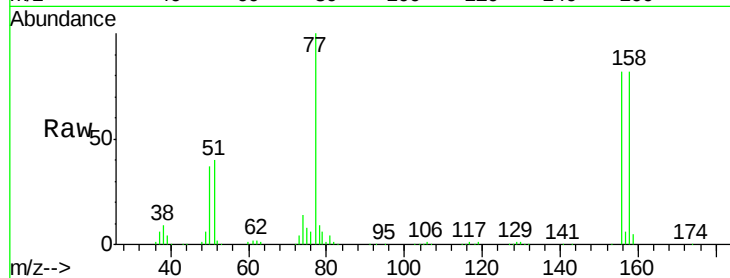




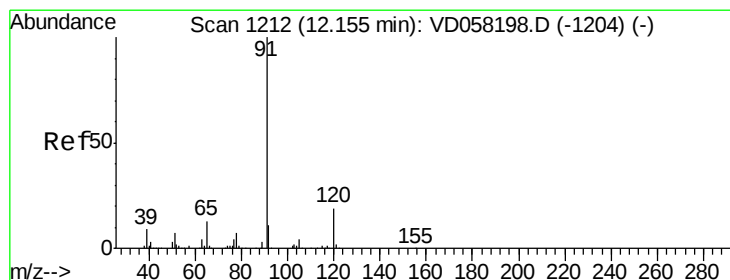
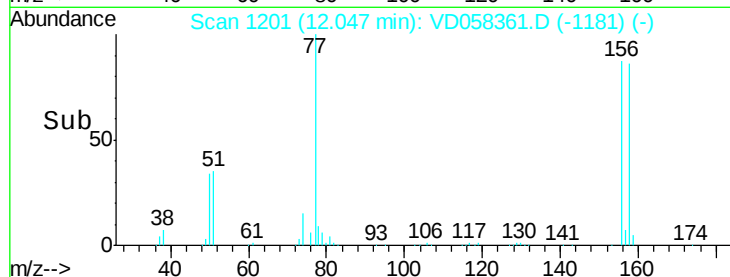
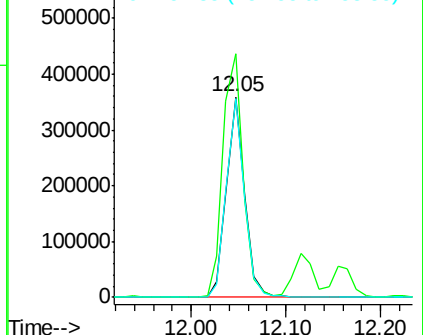
#77
Bromobenzene
Concen: 53.67 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 478216
Ion Ratio Lower Upper
156 100
77 121.5 54.5 163.6
158 99.1 50.8 152.5

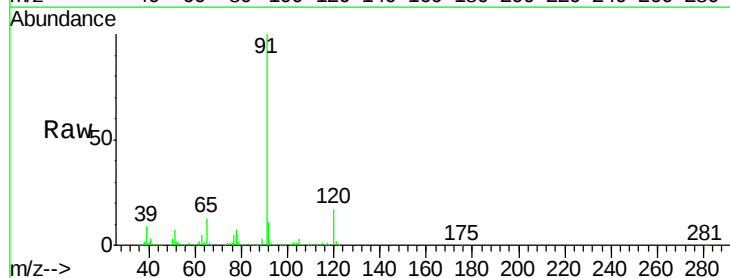


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

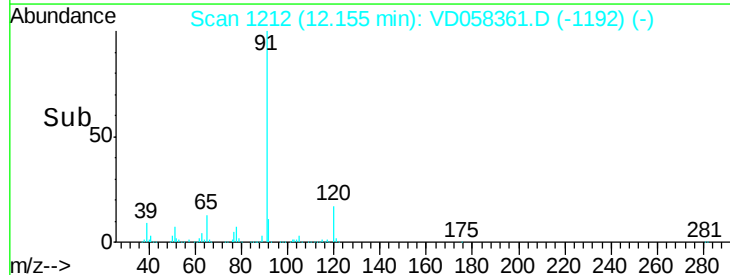
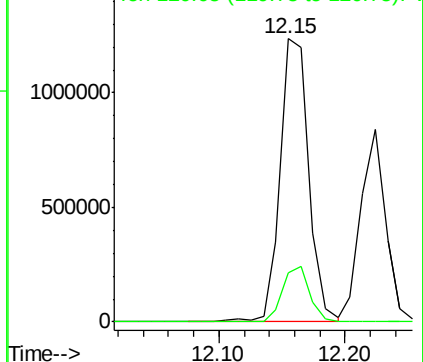


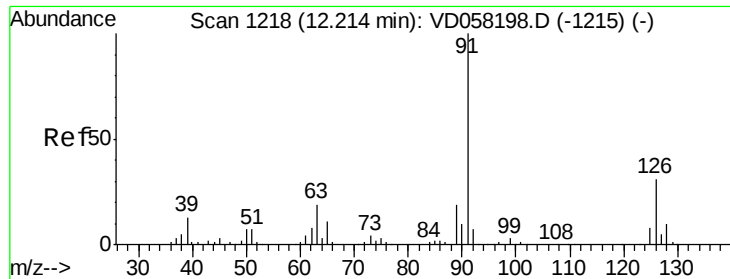
#78
n-propylbenzene
Concen: 50.55 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 91 Resp: 1942331
Ion Ratio Lower Upper
91 100
120 17.3 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.72 ug/l

RT: 12.22 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

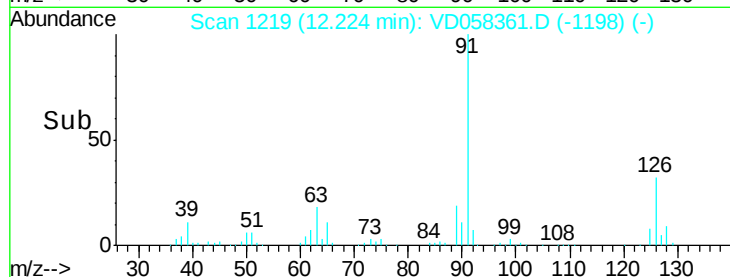
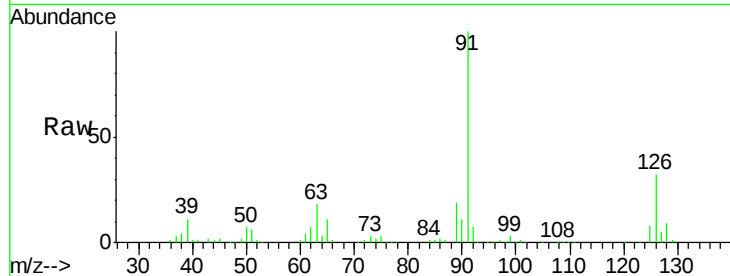
VSTDCCC050EC

Tot Ion: 91 Resp: 1137080

Ion Ratio Lower Upper

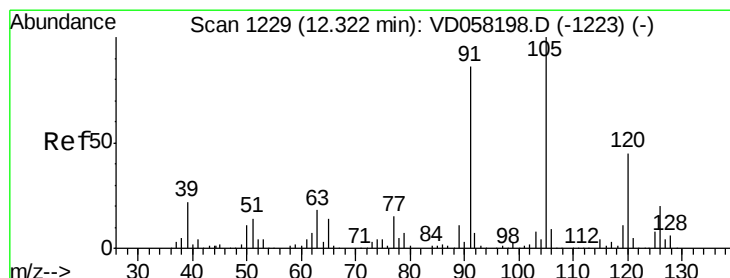
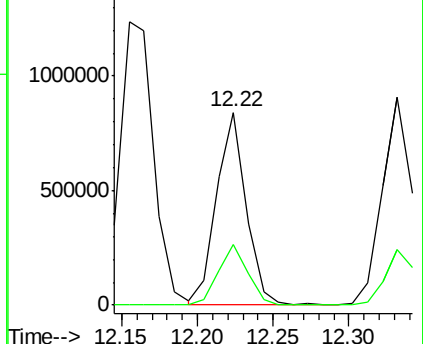
91 100

126 31.5 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.89 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058361.D

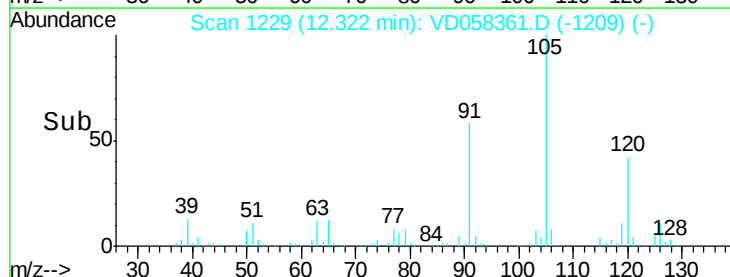
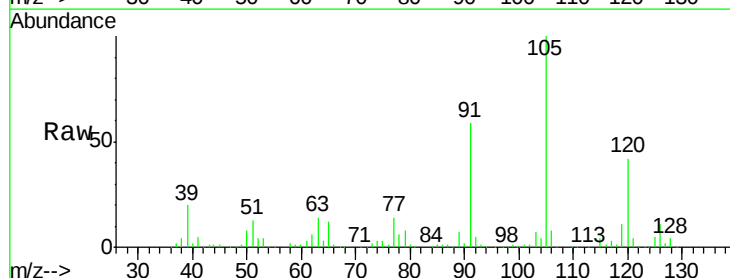
Acq: 24 Jun 2018 00:45

Tgt Ion:105 Resp: 1204231

Ion Ratio Lower Upper

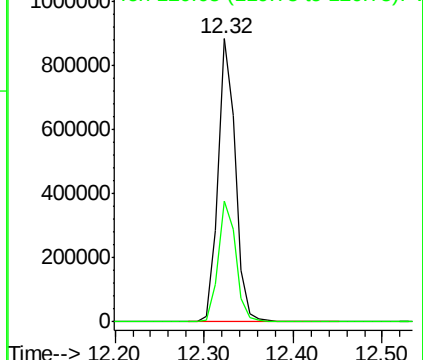
105 100

120 42.5 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.05 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

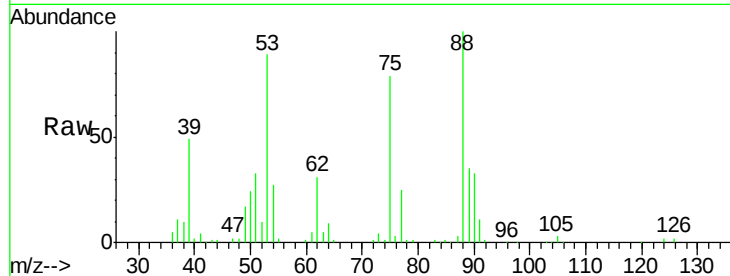
Tot Ion: 75 Resp: 86873

Ion Ratio Lower Upper

75 100

53 113.7 100.8 151.2

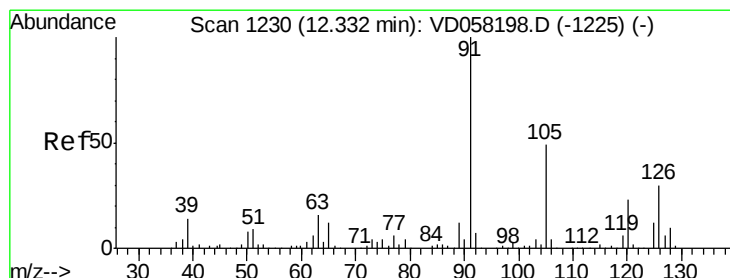
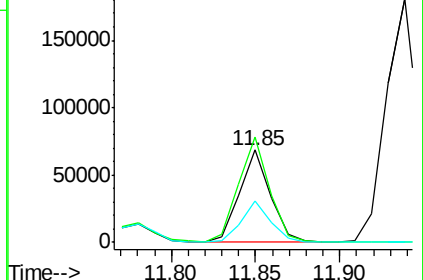
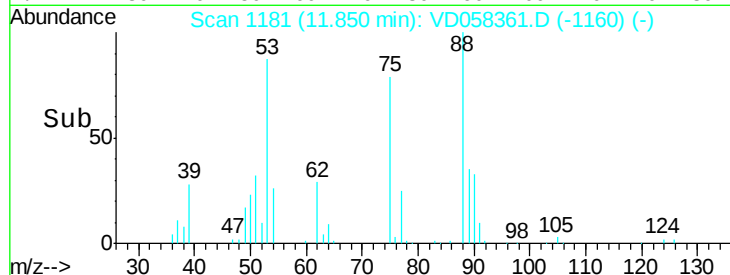
89 44.3 34.6 52.0



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: 60.07 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058361.D

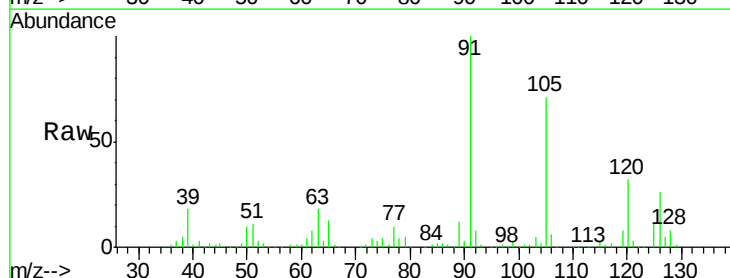
Acq: 24 Jun 2018 00:45

Tgt Ion: 91 Resp: 1263619

Ion Ratio Lower Upper

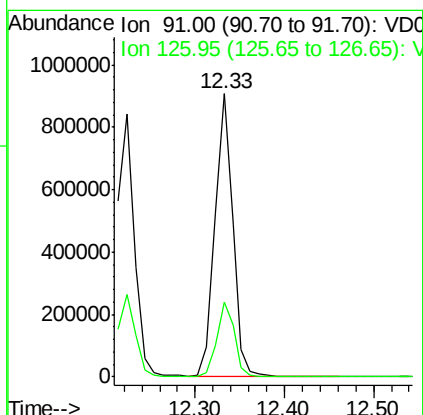
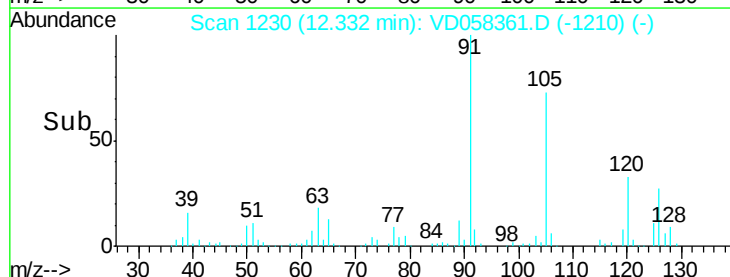
91 100

126 26.4 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

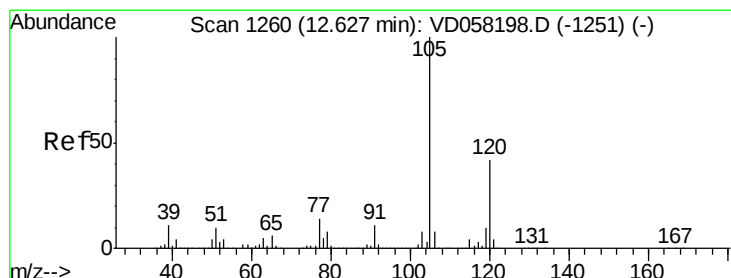
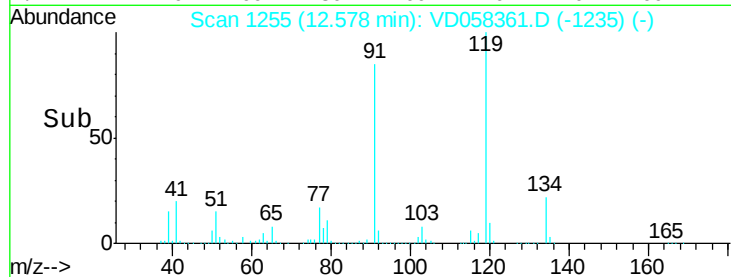
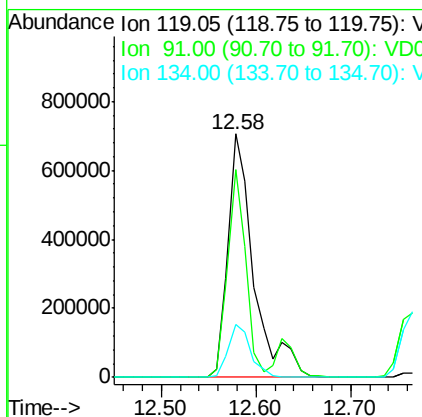
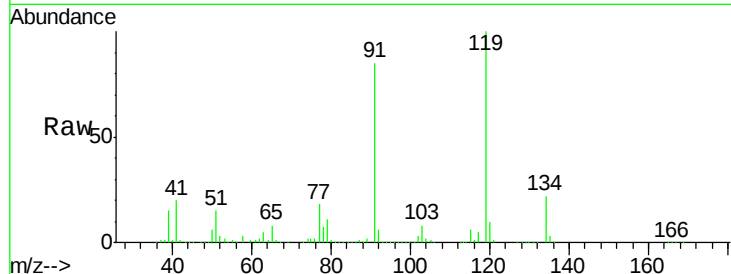




#83
tert-Butylbenzene
Concen: 50.04 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

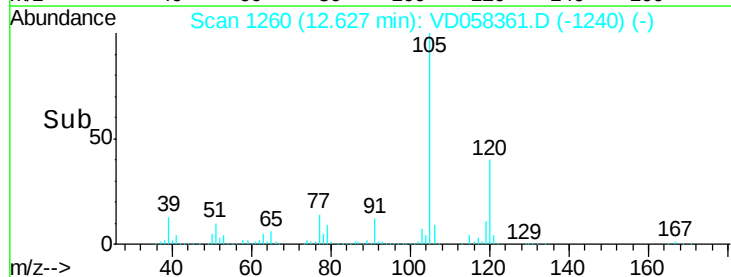
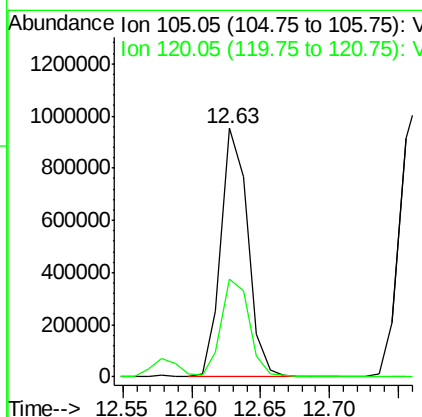
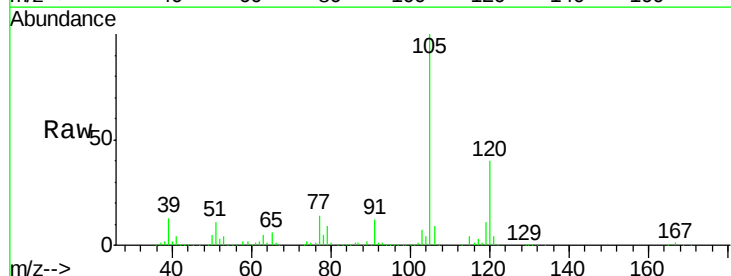
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

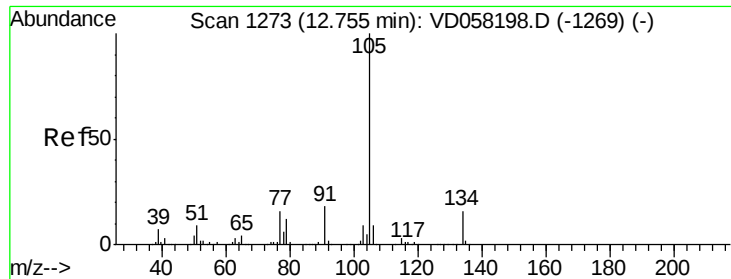
Tot Ion:119 Resp: 1335173
Ion Ratio Lower Upper
119 100
91 85.2 38.9 116.6
134 21.7 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 51.15 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion:105 Resp: 1290276
Ion Ratio Lower Upper
105 100
120 39.6 20.8 62.4

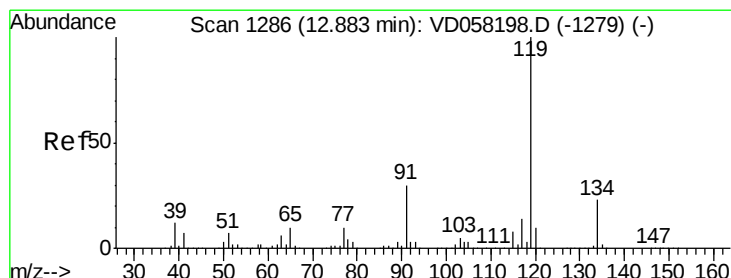
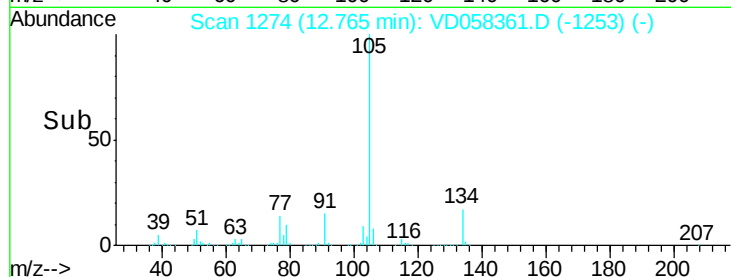
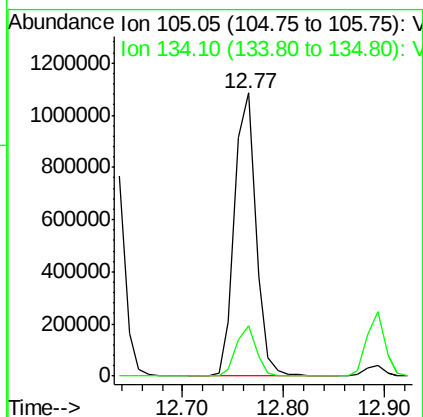
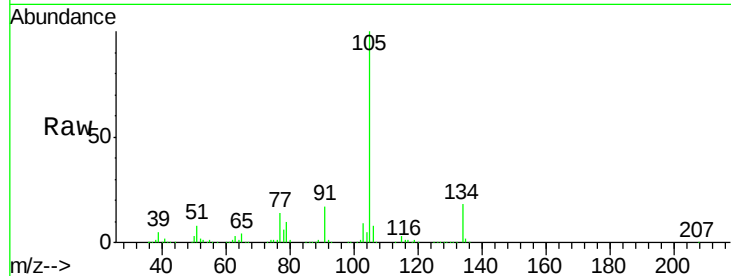




#85
 sec-Butylbenzene
 Concen: 50.82 ug/l
 RT: 12.77 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

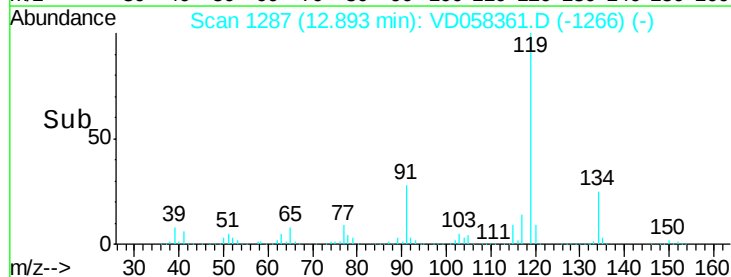
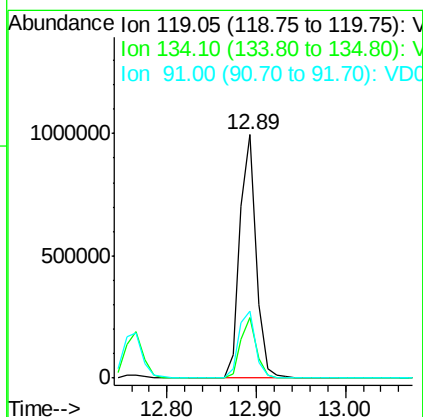
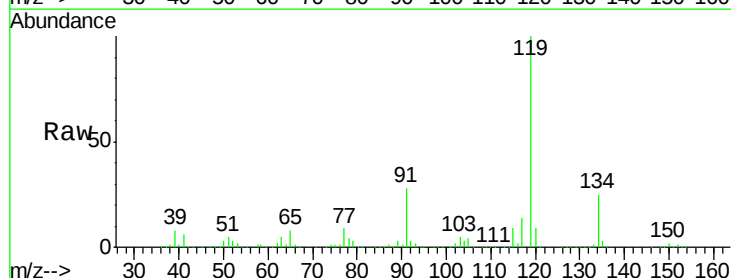
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1589154
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 50.37 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion:119 Resp: 1276651
 Ion Ratio Lower Upper
 119 100
 134 24.8 11.6 34.8
 91 27.7 15.0 45.1

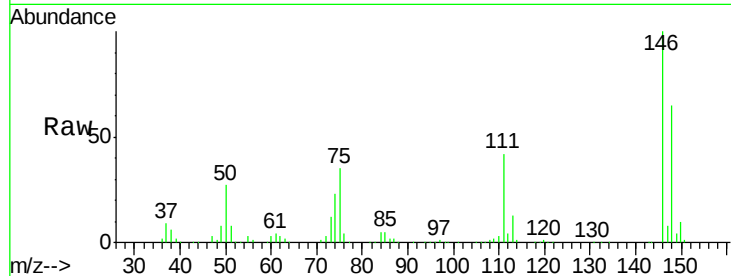




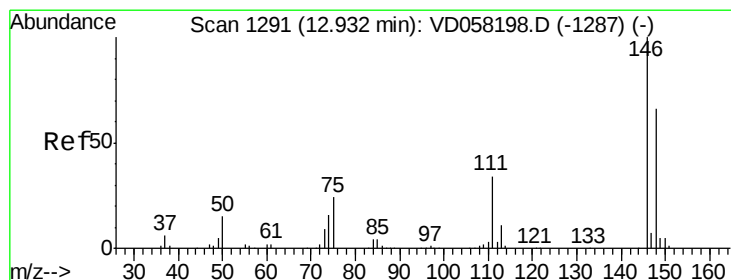
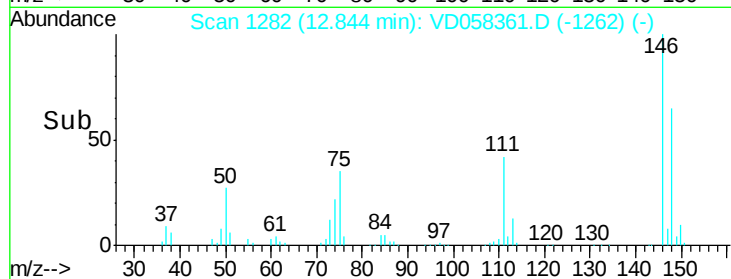
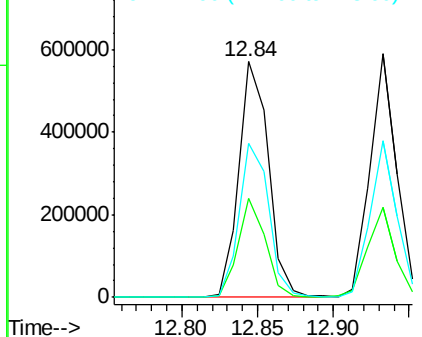
#87
 1,3-Dichlorobenzene
 Concen: 50.15 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 776563
 Ion Ratio Lower Upper
 146 100
 111 42.1 18.4 55.0
 148 65.3 32.8 98.4

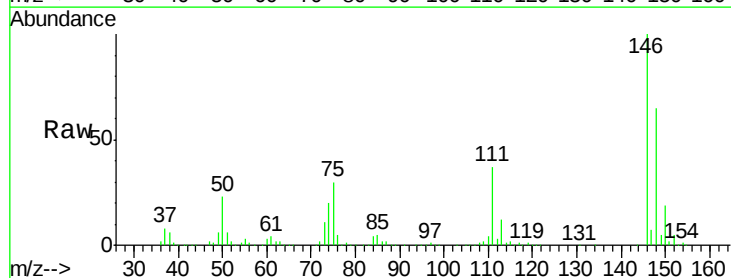


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

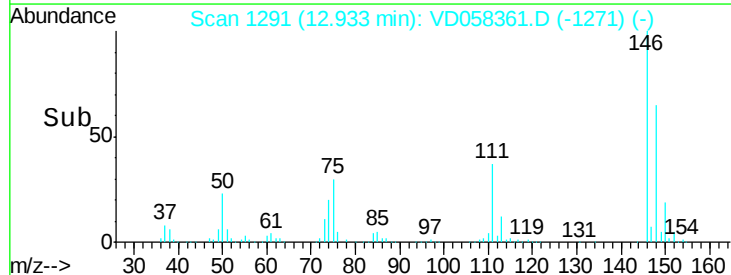
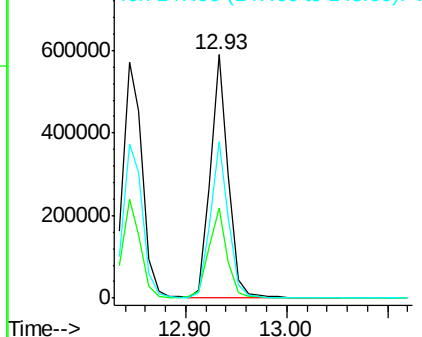


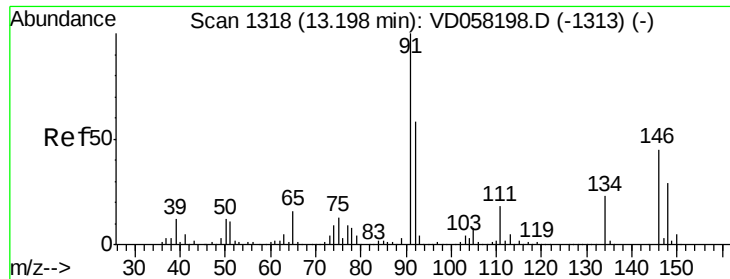
#88
 1,4-Dichlorobenzene
 Concen: 48.57 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion:146 Resp: 734513
 Ion Ratio Lower Upper
 146 100
 111 36.7 17.2 51.5
 148 64.5 33.1 99.3



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

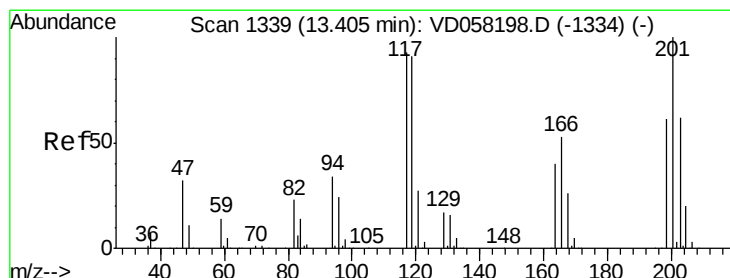
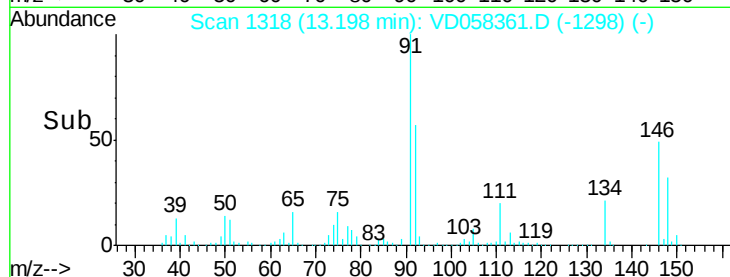
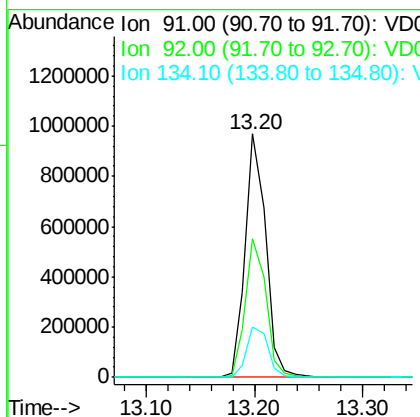
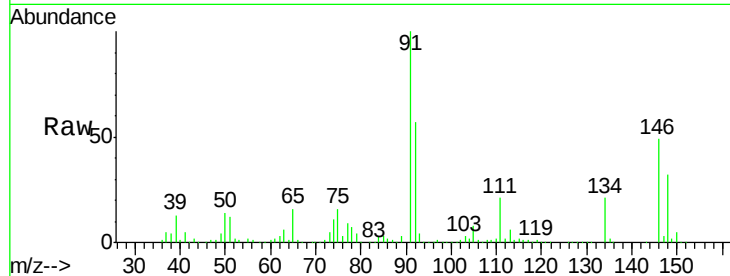




#89
n-Butylbenzene
Concen: 48.14 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

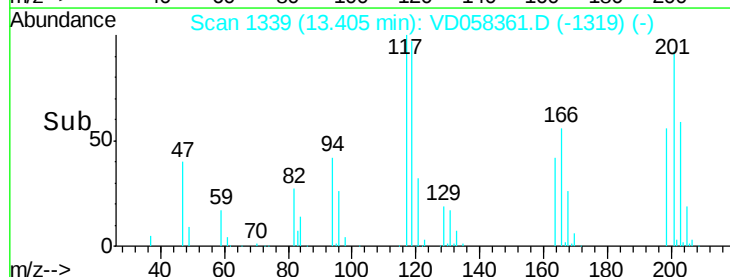
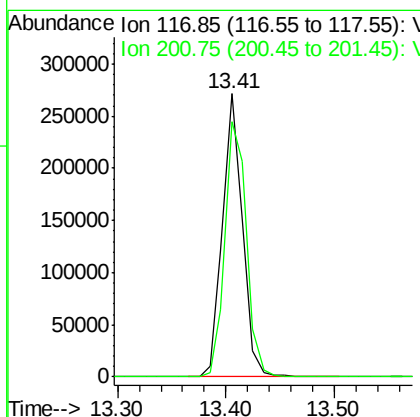
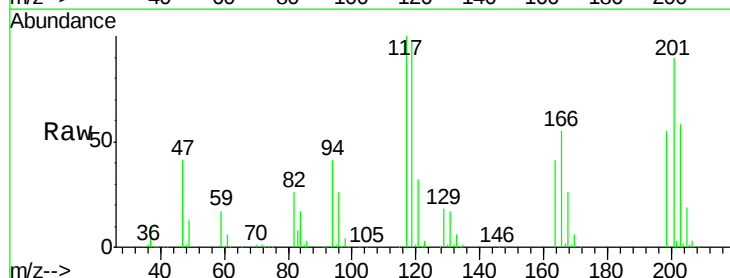
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

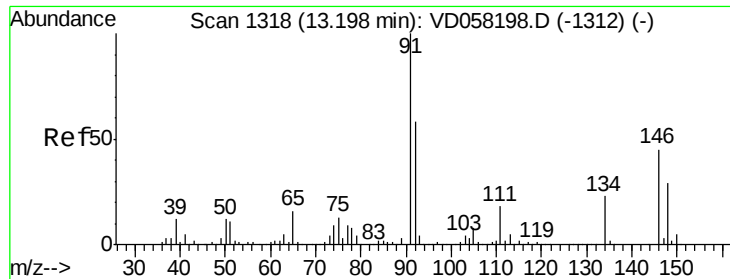
Tot Ion: 91 Resp: 1282098
Ion Ratio Lower Upper
91 100
92 56.9 29.2 87.6
134 20.8 11.3 33.8



#90
Hexachloroethane
Concen: 52.91 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058361.D
Acq: 24 Jun 2018 00:45

Tgt Ion: 117 Resp: 348035
Ion Ratio Lower Upper
117 100
201 90.2 53.8 161.4

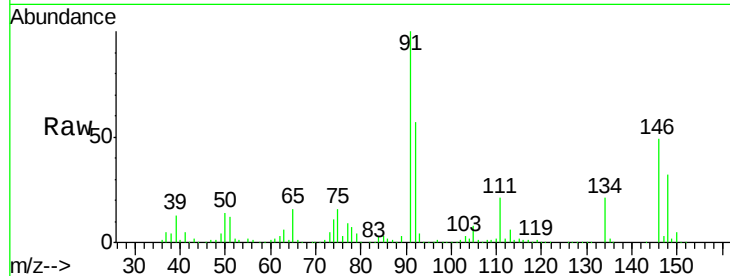




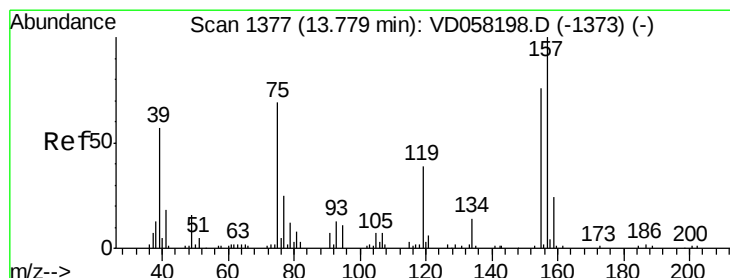
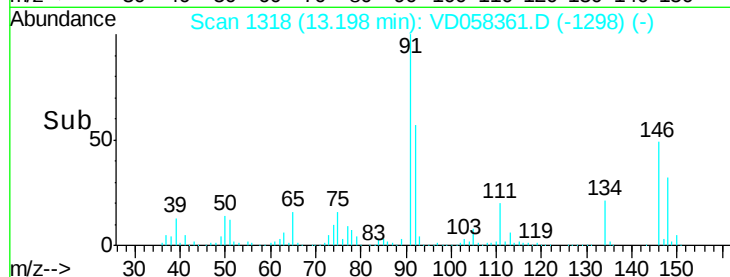
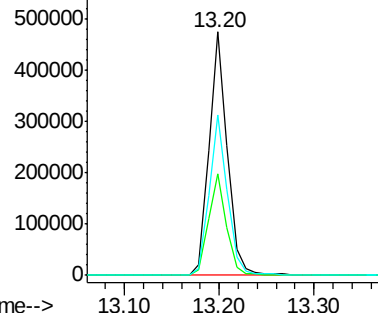
#91
 1,2-Dichlorobenzene
 Concen: 47.79 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 629826
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.6 58.7
 148 65.8 32.0 96.2

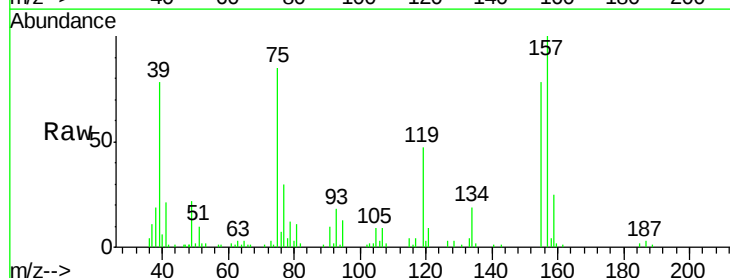


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

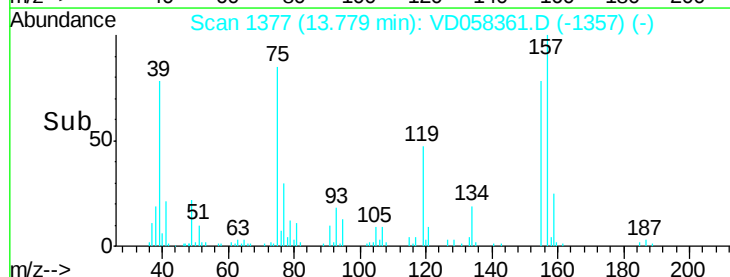
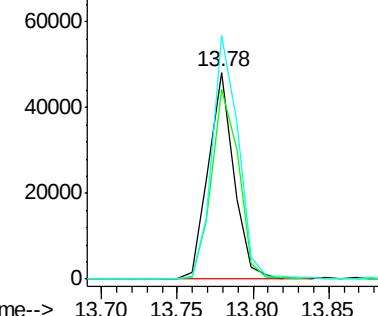


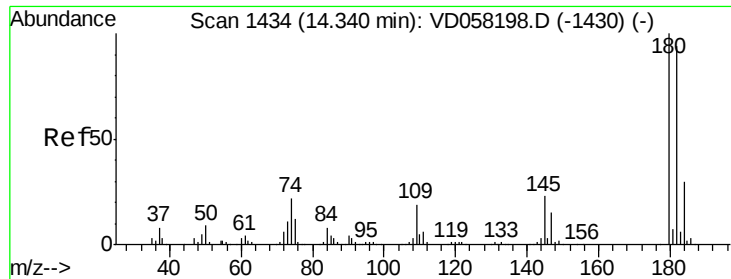
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.24 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion: 75 Resp: 56460
 Ion Ratio Lower Upper
 75 100
 155 91.8 54.5 163.5
 157 117.9 72.0 215.9



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

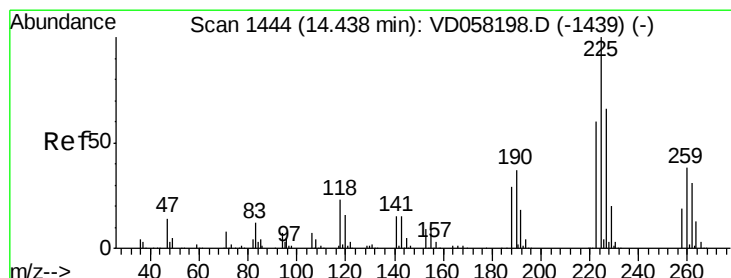
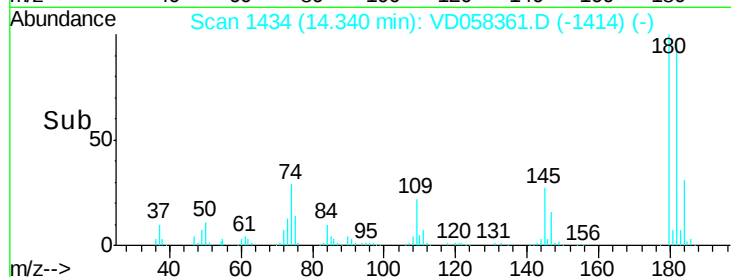
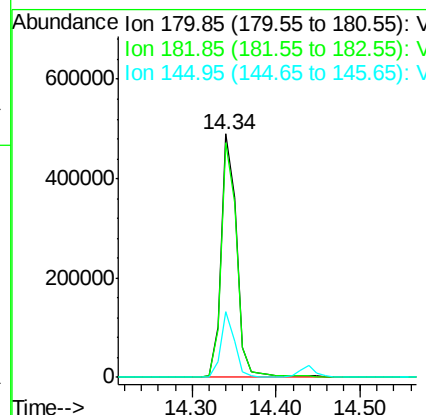
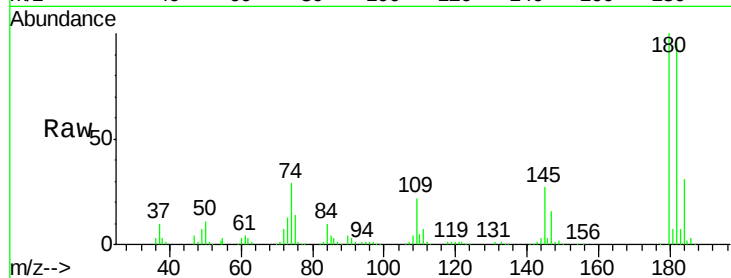




#93
 1,2,4-Trichlorobenzene
 Concen: 50.02 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

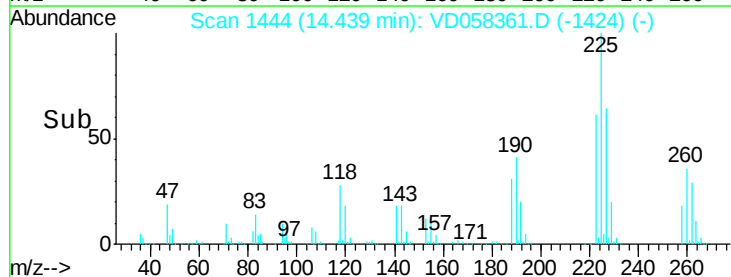
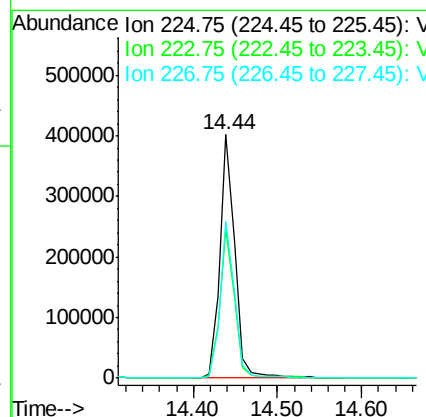
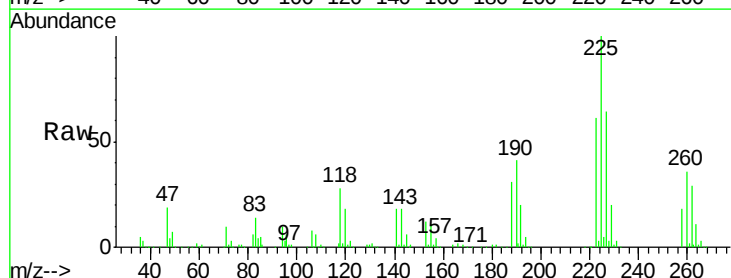
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

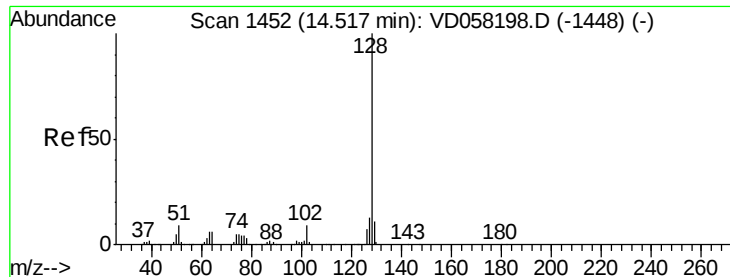
Tot Ion:180 Resp: 630386
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.1 141.3
 145 26.8 11.7 35.0



#94
 Hexachlorobutadiene
 Concen: 50.22 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058361.D
 Acq: 24 Jun 2018 00:45

Tgt Ion:225 Resp: 495086
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.1 90.3
 227 64.2 33.0 98.9





#95

Naphthalene

Concen: 49.18 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

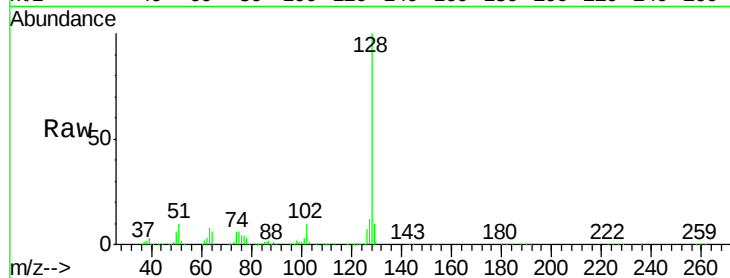
Tot Ion:128 Resp: 816516

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

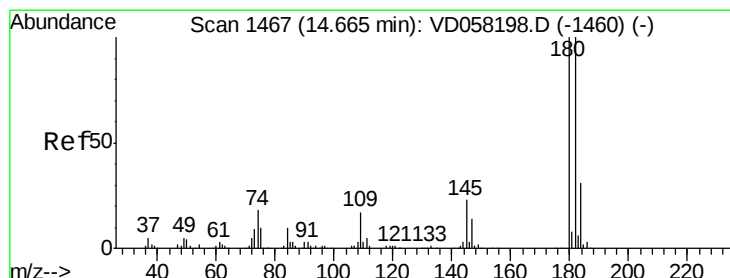
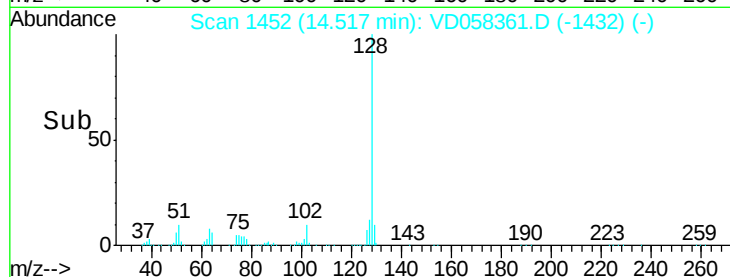
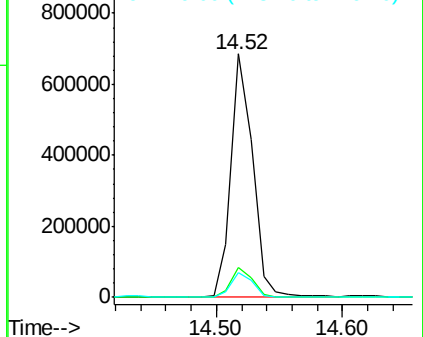
129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.51 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058361.D

Acq: 24 Jun 2018 00:45

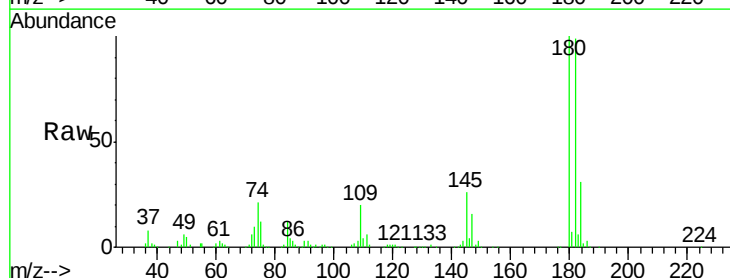
Tgt Ion:180 Resp: 535293

Ion Ratio Lower Upper

180 100

182 98.6 49.9 149.6

145 26.2 11.7 35.1



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

