

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058036.D
 Acq On : 9 Jun 2018 1:13
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00q/5ml/MSVOA D/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 09 02:26:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	869666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1174723	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	969169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	482710	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	436546	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	5.54	113	457326	50.32	ug/l	-0.02
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	8.70	98	1031362	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.93	95	449575	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	552767	47.36	ug/l	99
3) Chloromethane	1.48	50	276432	48.09	ug/l	95
4) Vinyl Chloride	1.55	62	289857	52.09	ug/l	94
5) Bromomethane	1.80	94	116625	53.48	ug/l	98
6) Chloroethane	1.88	64	128522	58.54	ug/l	99
7) Trichlorofluoromethane	2.09	101	413298	54.34	ug/l	100
8) Diethyl Ether	2.34	74	78134	55.30	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	242793	53.51	ug/l	98
10) Methyl Iodide	2.69	142	310744	53.08	ug/l	96
11) Tert butyl alcohol	3.26	59	76258	327.41	ug/l	97
12) 1,1-Dichloroethene	2.55	96	186553	53.49	ug/l	98
13) Acrolein	2.47	56	73690	220.92	ug/l	92
14) Allyl chloride	2.92	41	417528	51.89	ug/l	97
15) Acrylonitrile	3.37	53	320509	235.22	ug/l	99
16) Acetone	2.61	43	284040	226.75	ug/l	98
17) Carbon Disulfide	2.75	76	651995	51.60	ug/l	100
18) Methyl Acetate	2.93	43	132674	54.75	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	815369	53.13	ug/l	99
20) Methylene Chloride	3.06	84	187544	54.96	ug/l	# 90
21) trans-1,2-Dichloroethene	3.38	96	379289	48.82	ug/l	99
22) Diisopropyl ether	4.06	45	1689216	52.99	ug/l	97
23) Vinyl Acetate	4.01	43	4552427	276.41	ug/l	100
24) 1,1-Dichloroethane	3.97	63	929370	53.05	ug/l	99
25) 2-Butanone	4.83	43	715864	251.46	ug/l	# 92
26) 2,2-Dichloropropane	4.79	77	673094	46.64	ug/l	92
27) cis-1,2-Dichloroethene	4.79	96	480341	52.13	ug/l	100
28) Bromochloromethane	5.14	49	415145	54.75	ug/l	100
29) Tetrahydrofuran	5.18	42	403312	270.26	ug/l	99
30) Chloroform	5.31	83	898898	50.98	ug/l	99
31) Cyclohexane	5.58	56	699932	46.30	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	753792	51.06	ug/l	97
36) 1,1-Dichloropropene	5.74	75	663413	51.26	ug/l	98
37) Ethyl Acetate	4.92	43	387086	54.81	ug/l	98
38) Carbon Tetrachloride	5.72	117	664346	52.08	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	681818	53.14	ug/l	97
40) Benzene	6.00	78	1609691	53.24	ug/l	99
41) Methacrylonitrile	5.12	41	192334	59.56	ug/l	96
42) 1,2-Dichloroethane	6.12	62	653647	53.47	ug/l	98
43) Isopropyl Acetate	7.61	43	511653	55.31	ug/l	99
44) Trichloroethene	6.98	130	464525	52.60	ug/l	97
45) 1,2-Dichloropropane	7.34	63	435786	51.86	ug/l	97
46) Dibromomethane	7.45	93	288923	53.52	ug/l	94
47) Bromodichloromethane	7.74	83	683193	54.05	ug/l	94
48) Methyl methacrylate	7.50	41	306927	53.91	ug/l	97
49) 1,4-Dioxane	7.48	88	52095	1104.53	ug/l	97
51) 4-Methyl-2-Pentanone	8.59	43	1606980	270.85	ug/l	98
52) Toluene	8.80	92	894468	51.55	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	595799	54.71	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	681964	53.16	ug/l	96
55) 1,1,2-Trichloroethane	9.45	97	297646	53.00	ug/l	97
56) Ethyl methacrylate	9.31	69	373649	54.24	ug/l	95
57) 1,3-Dichloropropane	9.66	76	548256	55.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.18	63	922077	264.94	ug/l	97
59) 2-Hexanone	9.78	43	1163770	267.66	ug/l	100
60) Dibromochloromethane	9.95	129	438989	55.43	ug/l	100
61) 1,2-Dibromoethane	10.09	107	347105	53.75	ug/l	91
64) Tetrachloroethene	9.51	164	460663	53.17	ug/l	98
65) Chlorobenzene	10.72	112	988208	50.37	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	372348	49.40	ug/l	97
67) Ethyl Benzene	10.86	91	1688170	47.63	ug/l	100
68) m/p-Xylenes	11.01	106	1137261	98.42	ug/l	92
69) o-Xylene	11.40	106	569398	49.64	ug/l	98
70) Styrene	11.43	104	962109	50.67	ug/l	99
71) Bromoform	11.59	173	308413	54.39	ug/l	96
73) Isopropylbenzene	11.77	105	1607516	50.28	ug/l	99
74) N-amyl acetate	11.64	43	640523	51.92	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	370937	53.21	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	381898	52.67	ug/l	97
77) Bromobenzene	12.04	156	492403	52.03	ug/l	84
78) n-propylbenzene	12.15	91	2053544	49.36	ug/l	97
79) 2-Chlorotoluene	12.22	91	1194994	50.35	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	1218588	48.87	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	98892	55.06	ug/l	99
82) 4-Chlorotoluene	12.32	91	1243649	54.14	ug/l	95
83) tert-Butylbenzene	12.57	119	1393426	49.49	ug/l	88
84) 1,2,4-Trimethylbenzene	12.62	105	1341609	50.04	ug/l	96
85) sec-Butylbenzene	12.76	105	1685457	49.60	ug/l	98
86) p-Isopropyltoluene	12.88	119	1320946	48.23	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	819876	51.21	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	790919	50.71	ug/l	96
89) n-Butylbenzene	13.19	91	1353873	55.35	ug/l	98
90) Hexachloroethane	13.40	117	360210	51.53	ug/l	75
91) 1,2-Dichlorobenzene	13.19	146	646352	49.96	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	61674	57.33	ug/l	80

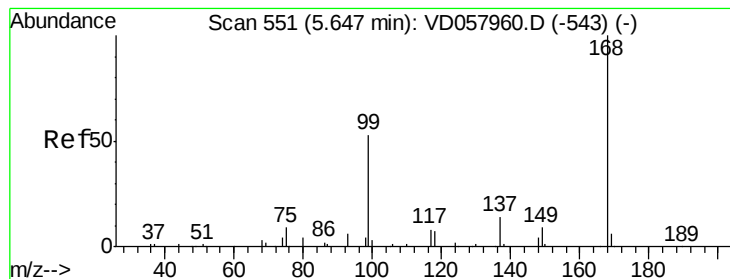
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	623517	51.59	ug/l	96
94) Hexachlorobutadiene	14.43	225	473530	49.81	ug/l	97
95) Naphthalene	14.51	128	843603	54.13	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	523223	50.79	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

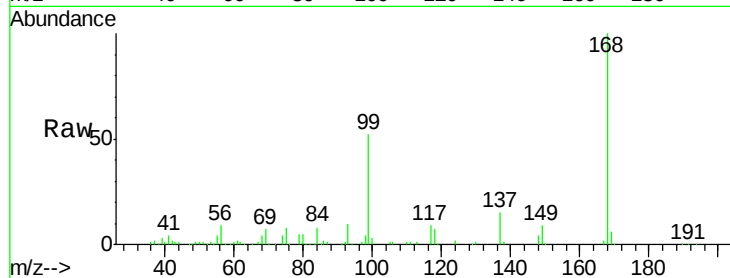
VSTDCCC050

Tot Ion:168 Resp: 869666

Ion Ratio Lower Upper

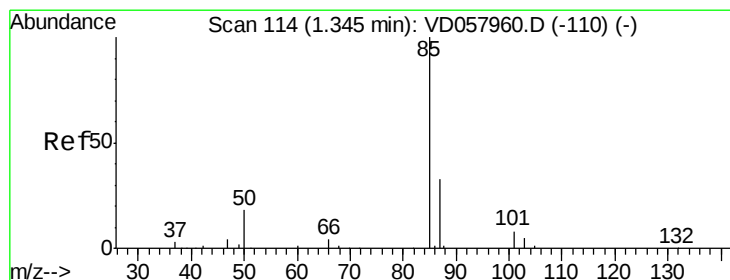
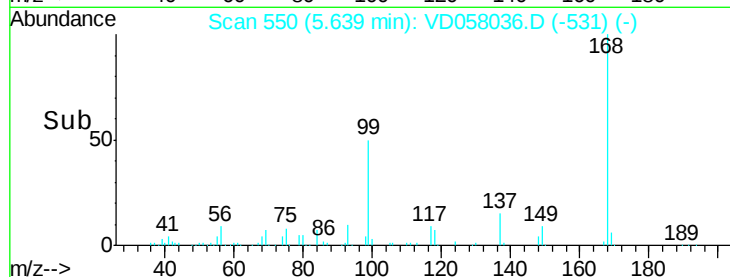
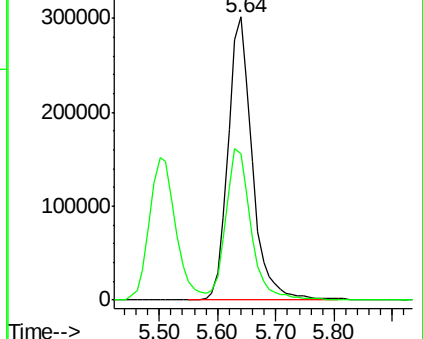
168 100

99 51.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.36 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD058036.D

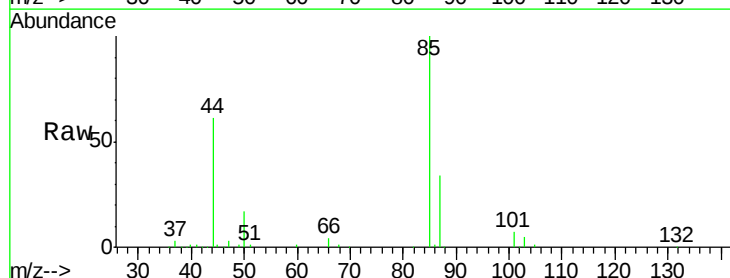
Acq: 9 Jun 2018 1:13

Tgt Ion: 85 Resp: 552767

Ion Ratio Lower Upper

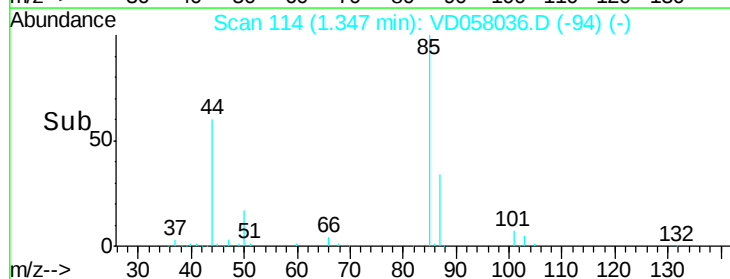
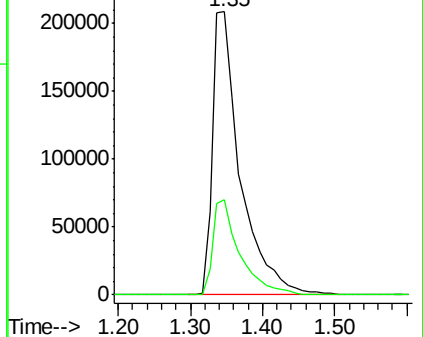
85 100

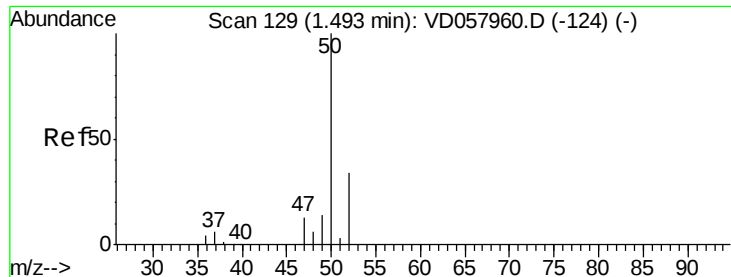
87 33.6 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.09 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

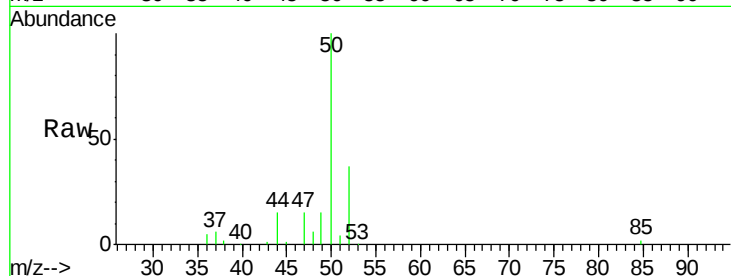
VSTDCCC050

Tot Ion: 50 Resp: 276432

Ion Ratio Lower Upper

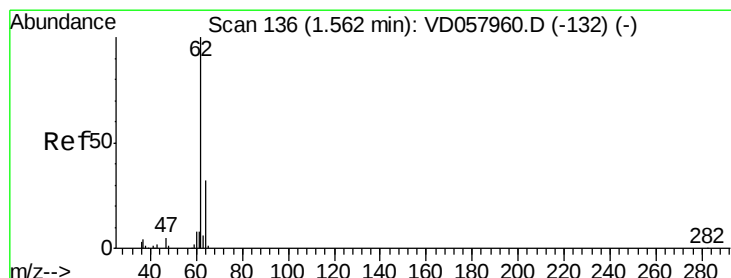
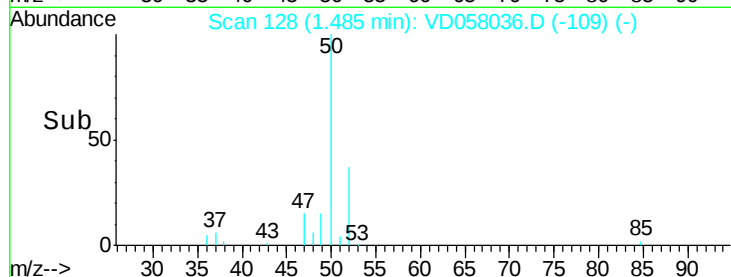
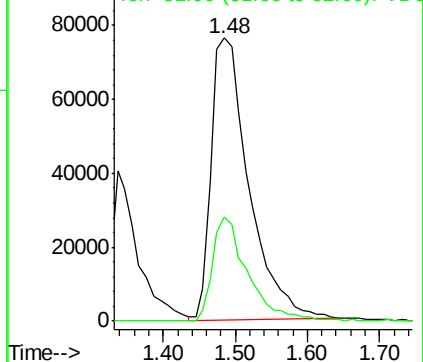
50 100

52 36.8 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.09 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058036.D

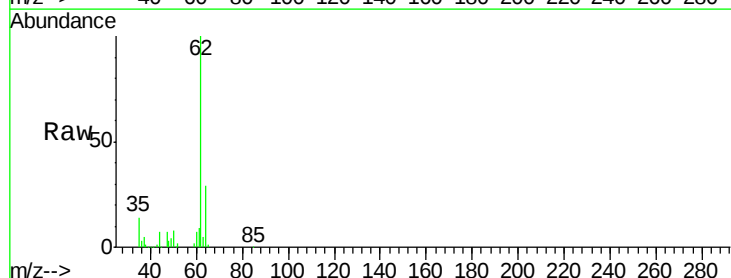
Acq: 9 Jun 2018 1:13

Tgt Ion: 62 Resp: 289857

Ion Ratio Lower Upper

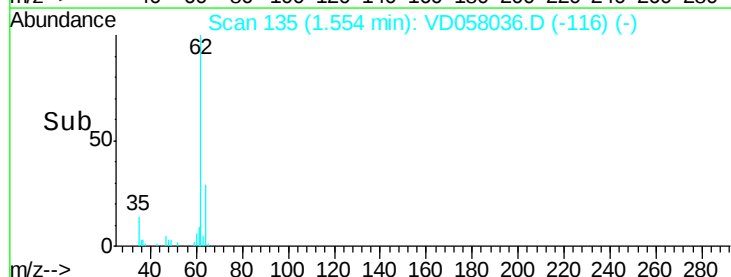
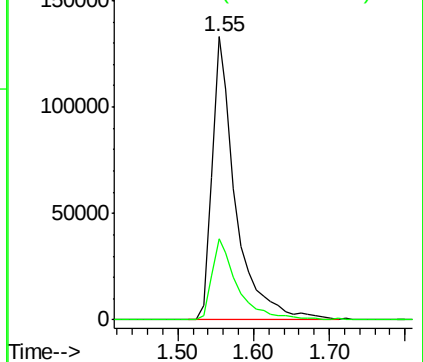
62 100

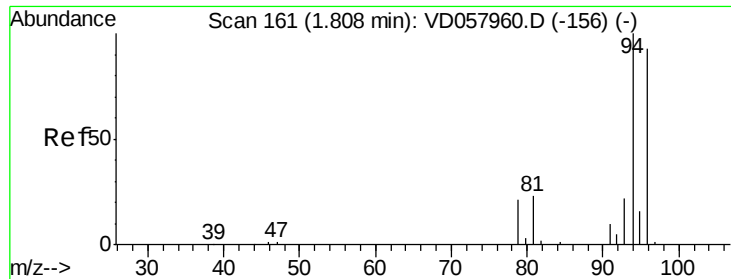
64 28.7 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.48 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

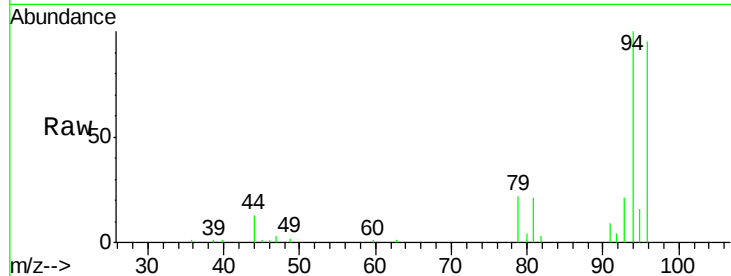
VSTDCCC050

Tot Ion: 94 Resp: 116625

Ion Ratio Lower Upper

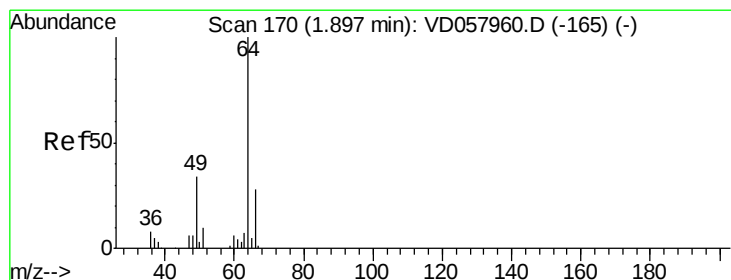
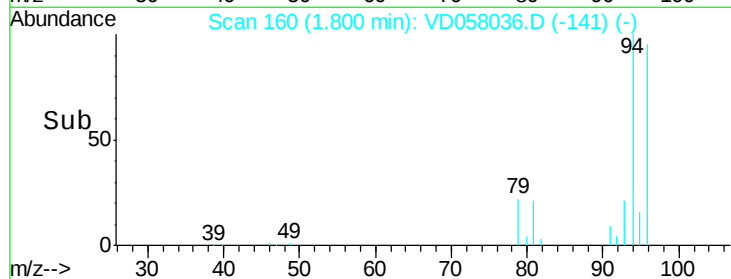
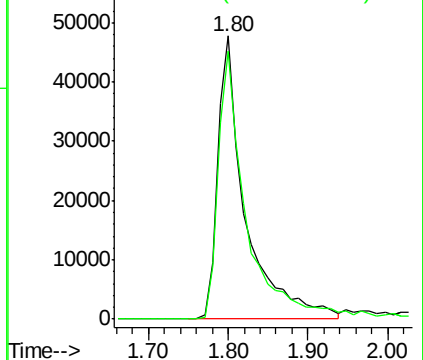
94 100

96 94.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.54 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD058036.D

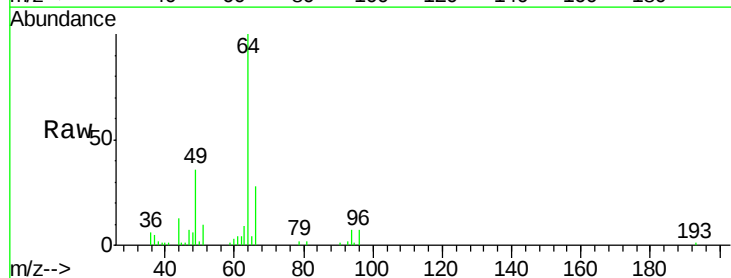
Acq: 9 Jun 2018 1:13

Tgt Ion: 64 Resp: 128522

Ion Ratio Lower Upper

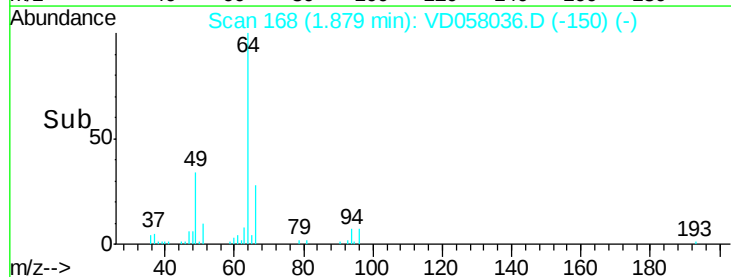
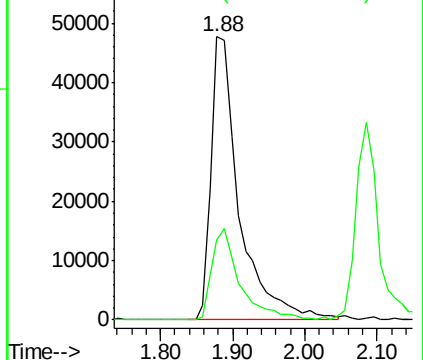
64 100

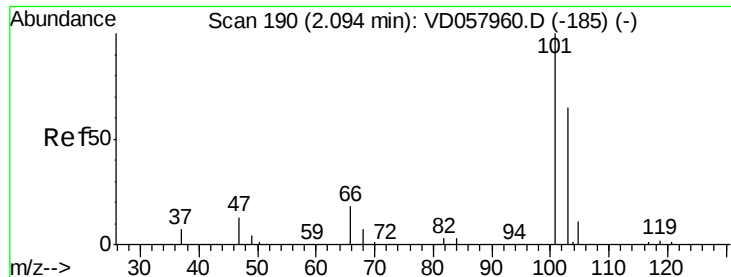
66 28.2 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 54.34 ug/l

RT: 2.09 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

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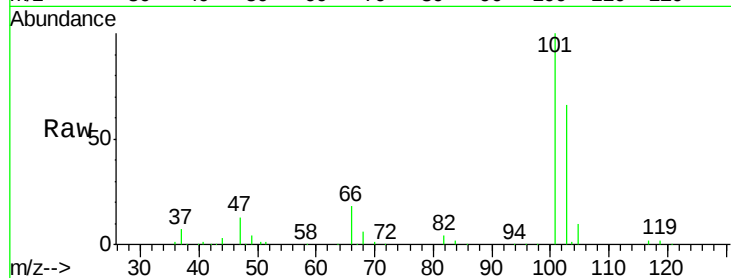
VSTDCCC050

Tot Ion:101 Resp: 413298

Ion Ratio Lower Upper

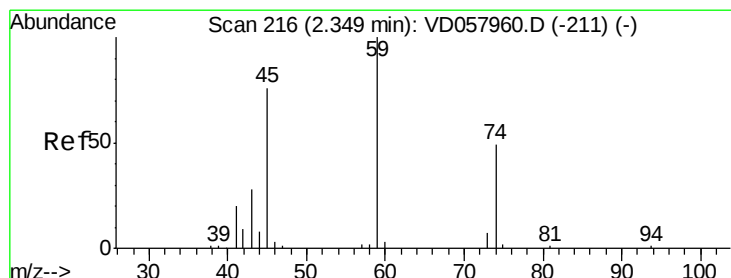
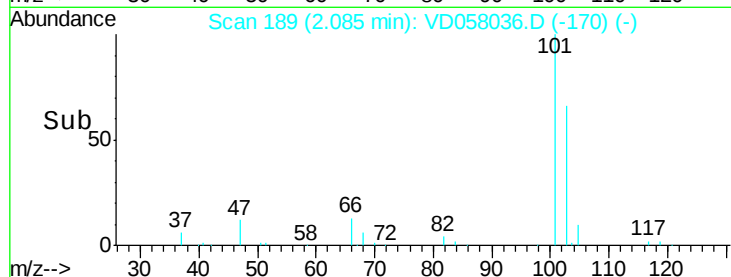
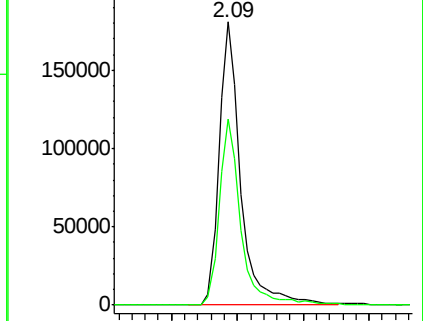
101 100

103 65.7 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 55.30 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.01 min

Lab File: VD058036.D

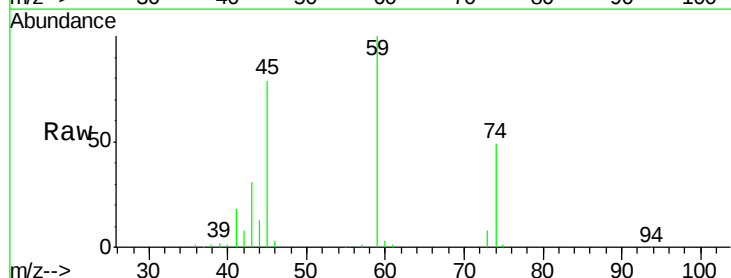
Acq: 9 Jun 2018 1:13

Tgt Ion: 74 Resp: 78134

Ion Ratio Lower Upper

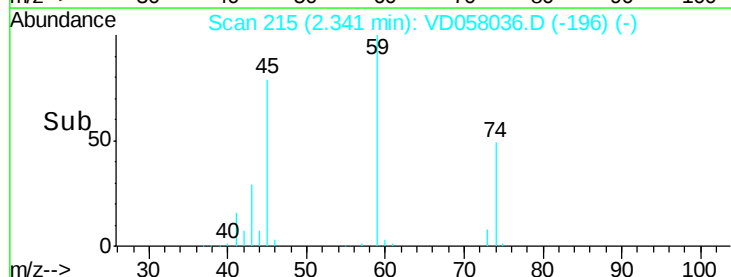
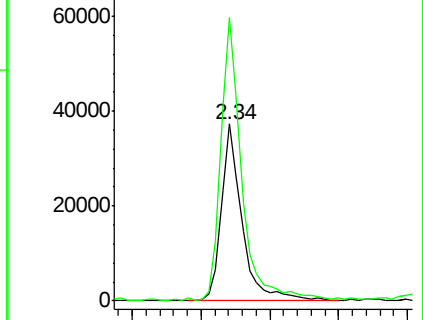
74 100

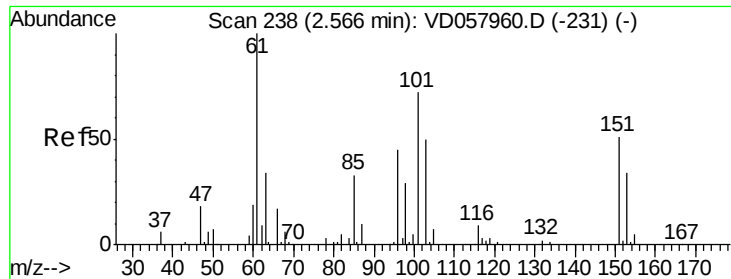
45 160.1 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.51 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

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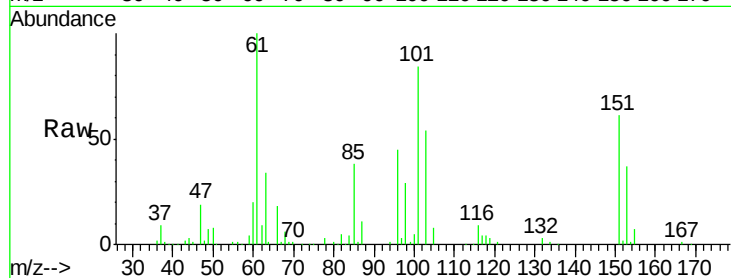
Tot Ion:101 Resp: 242793

Ion Ratio Lower Upper

101 100

85 45.0 37.3 55.9

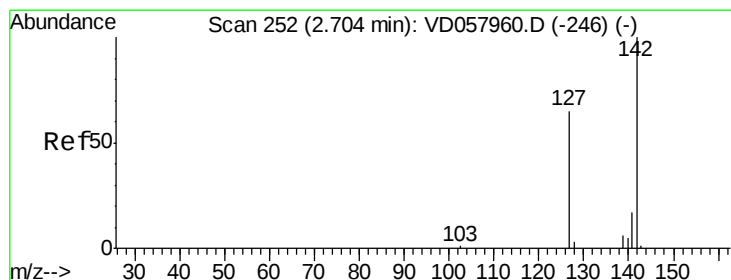
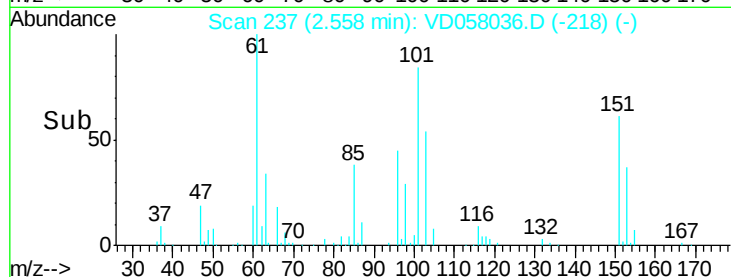
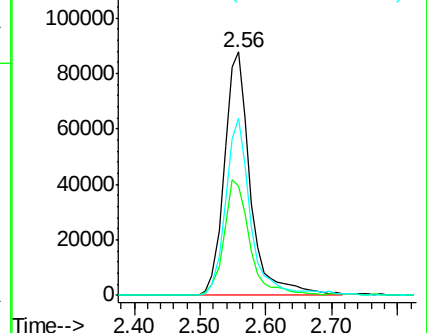
151 72.7 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 53.08 ug/l

RT: 2.69 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

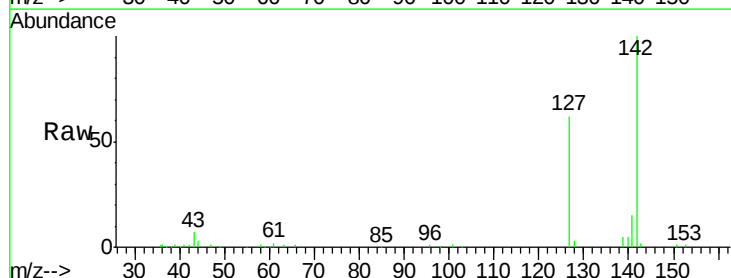
Tgt Ion:142 Resp: 310744

Ion Ratio Lower Upper

142 100

127 61.9 52.0 78.0

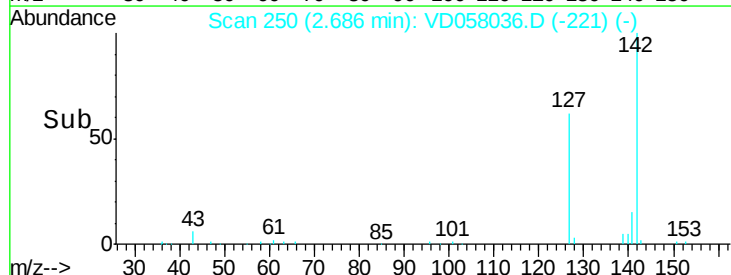
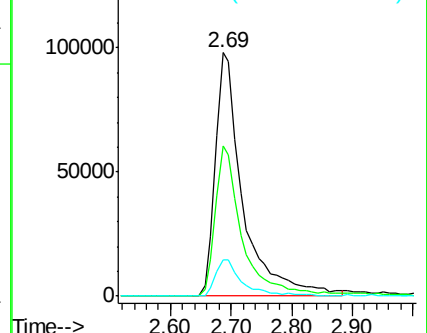
141 15.0 13.2 19.8

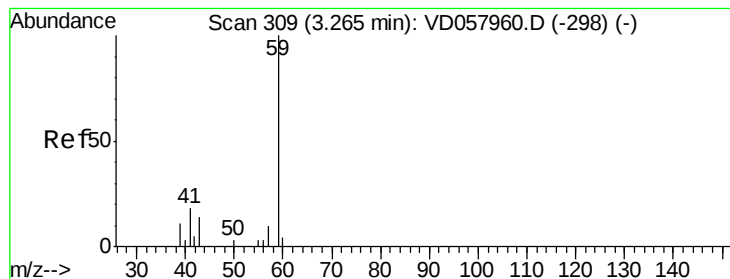


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



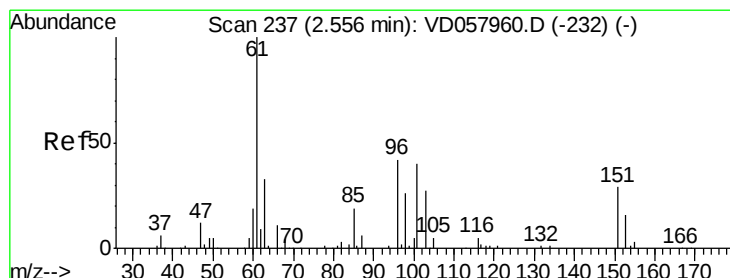
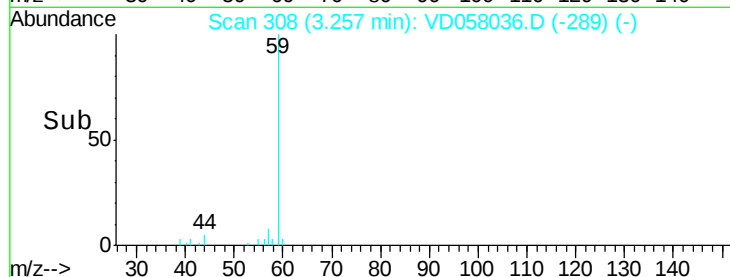
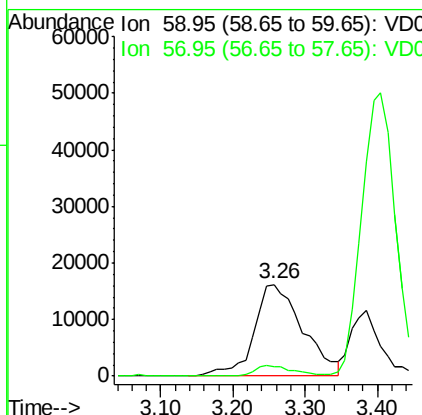
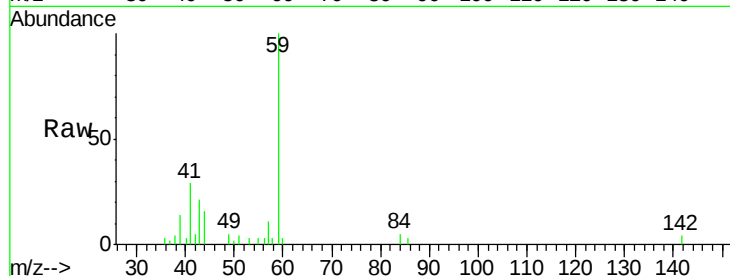


#11

Tert butyl alcohol
Concen: 327.41 ug/l
RT: 3.26 min Scan# 308
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

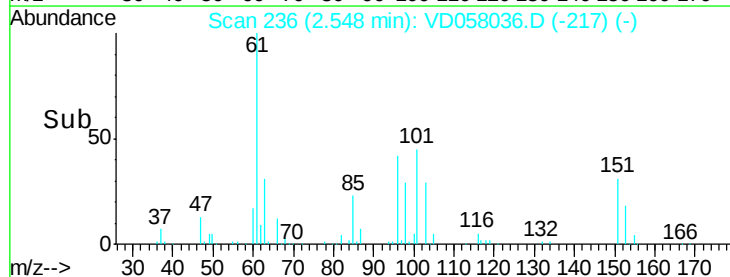
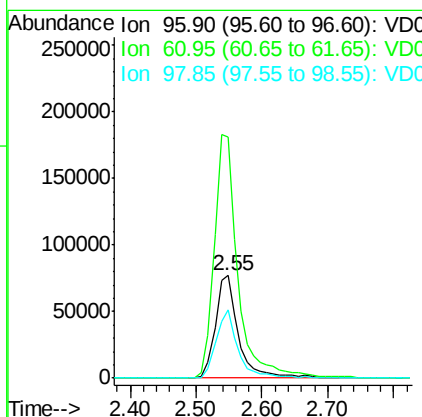
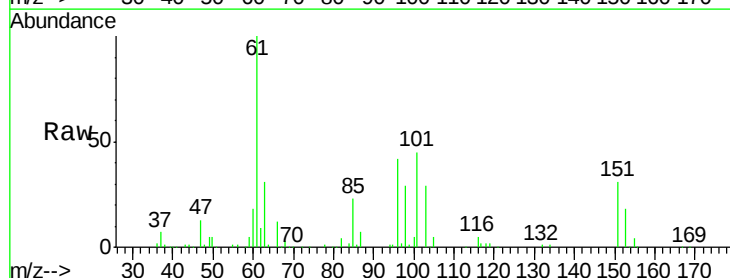
Tot Ion: 59 Resp: 76258
Ion Ratio Lower Upper
59 100
57 10.7 7.8 11.6

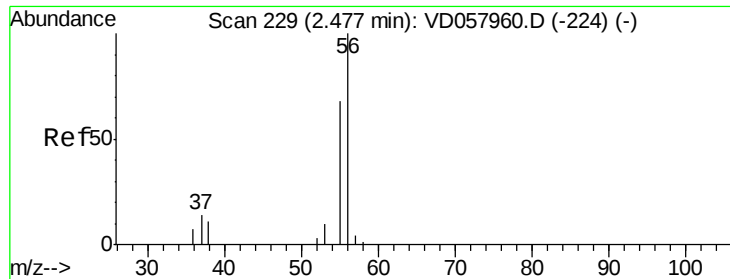


#12

1,1-Dichloroethene
Concen: 53.49 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion: 96 Resp: 186553
Ion Ratio Lower Upper
96 100
61 235.5 190.2 285.4
98 67.2 49.6 74.4





#13

Acrolein

Concen: 220.92 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

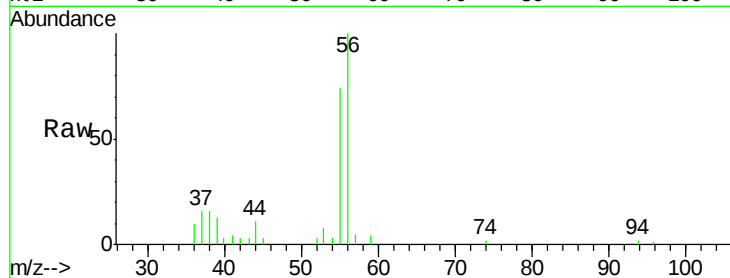
VSTDCCC050

Tot Ion: 56 Resp: 73690

Ion Ratio Lower Upper

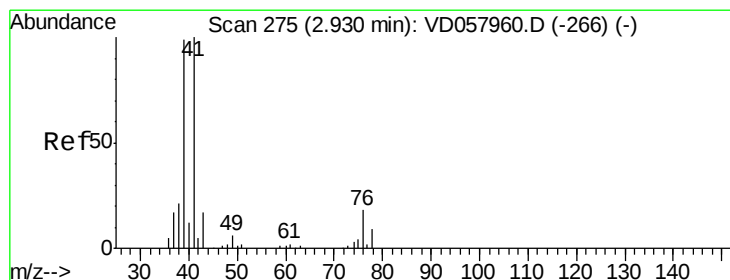
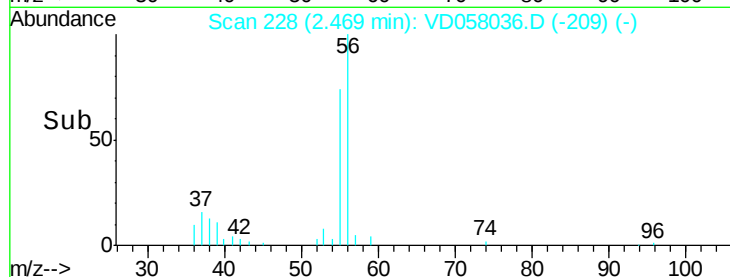
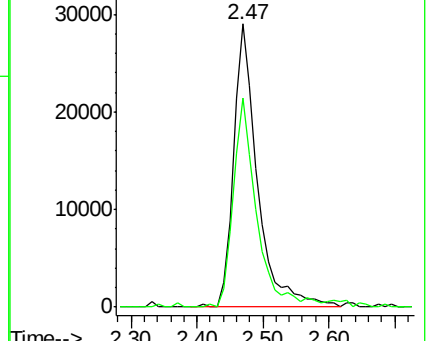
56 100

55 73.7 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.89 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

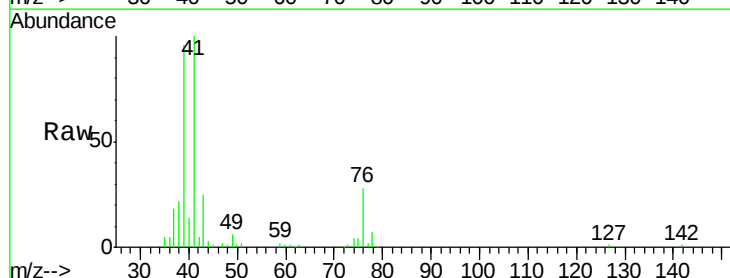
Tgt Ion: 41 Resp: 417528

Ion Ratio Lower Upper

41 100

39 96.0 79.5 119.3

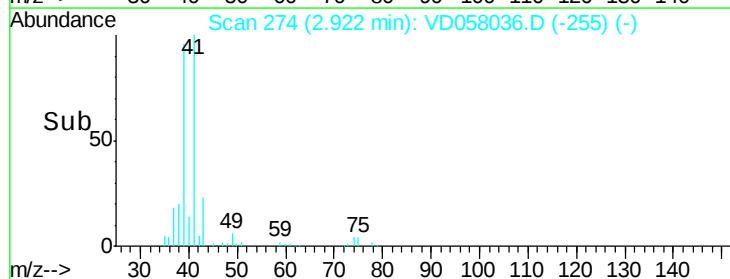
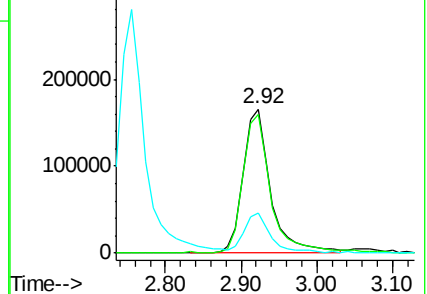
76 27.5 20.7 31.1

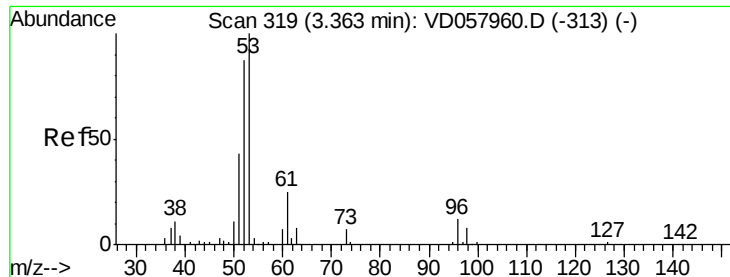


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 235.22 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

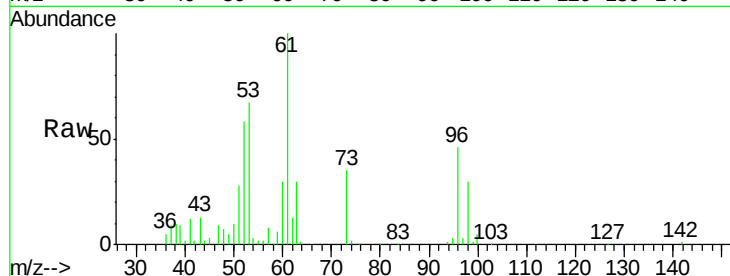
Tot Ion: 53 Resp: 320509

Ion Ratio Lower Upper

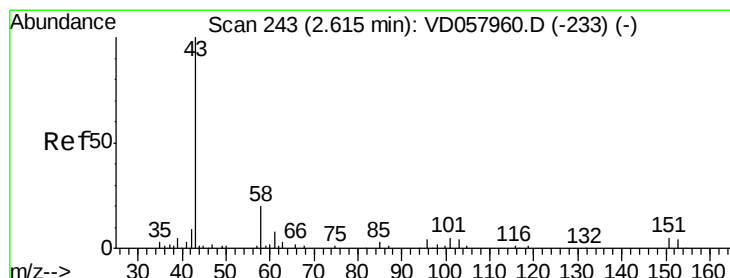
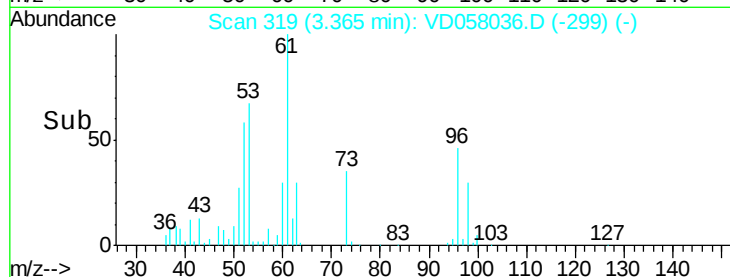
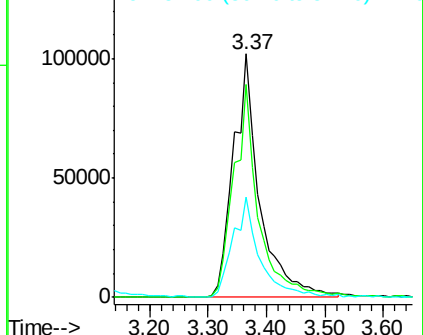
53 100

52 87.5 69.9 104.9

51 41.4 34.3 51.5



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



#16

Acetone

Concen: 226.75 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058036.D

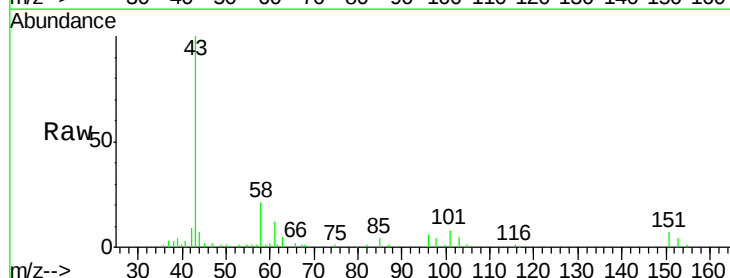
Acq: 9 Jun 2018 1:13

Tgt Ion: 43 Resp: 284040

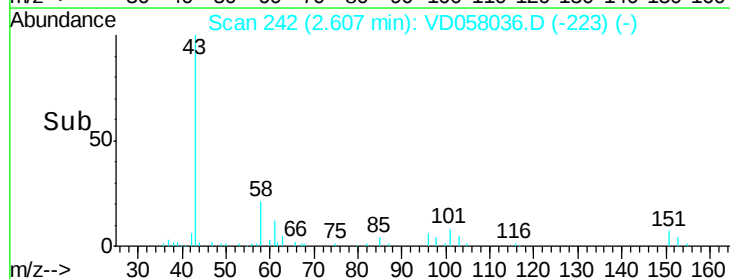
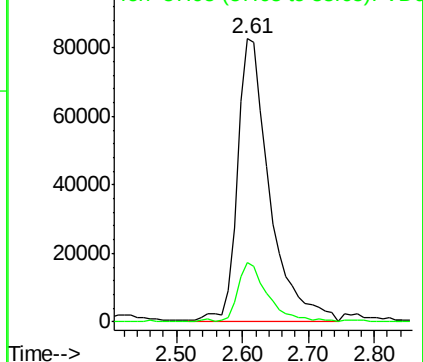
Ion Ratio Lower Upper

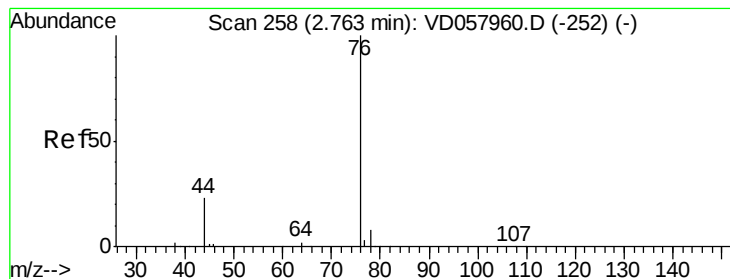
43 100

58 20.8 15.8 23.8



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





#17

Carbon Disulfide

Concen: 51.60 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

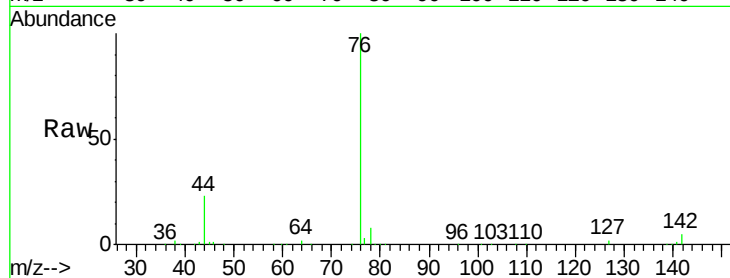
VSTDCCC050

Tot Ion: 76 Resp: 651995

Ion Ratio Lower Upper

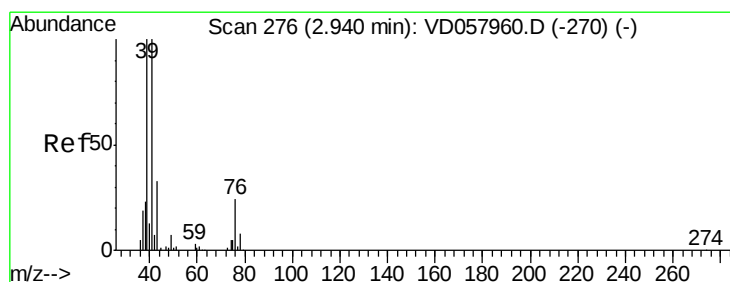
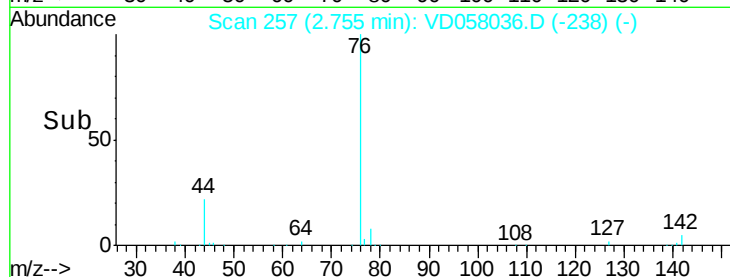
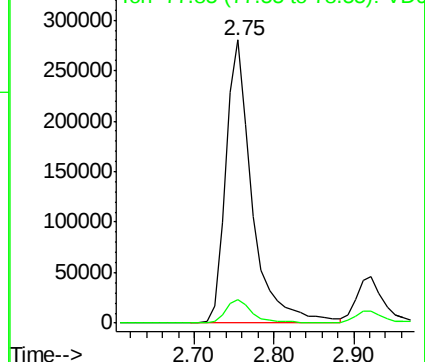
76 100

78 8.5 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 54.75 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058036.D

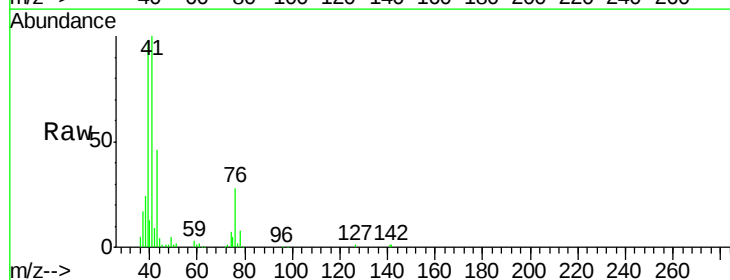
Acq: 9 Jun 2018 1:13

Tgt Ion: 43 Resp: 132674

Ion Ratio Lower Upper

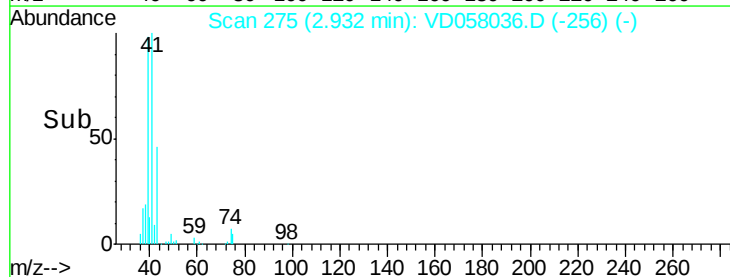
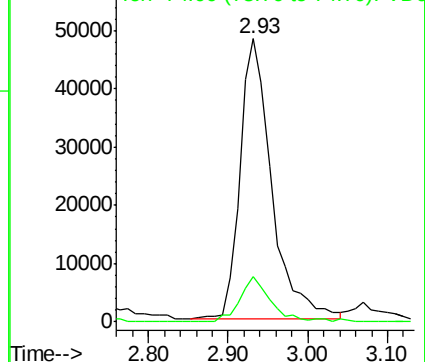
43 100

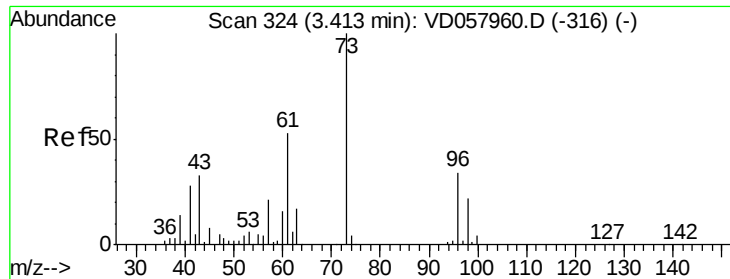
74 16.1 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

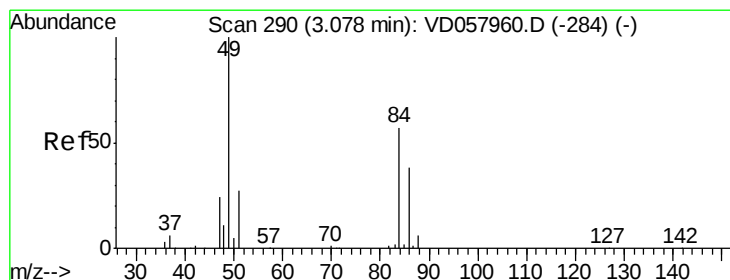
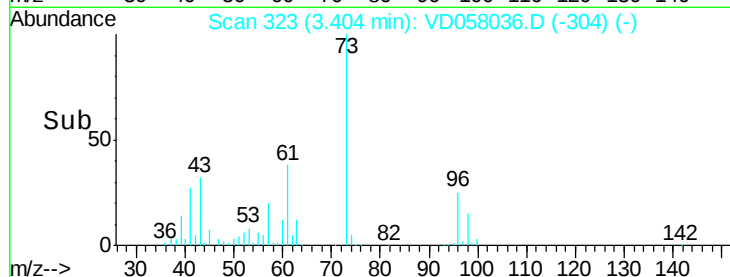
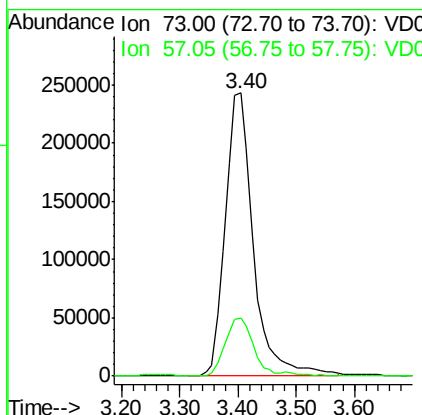
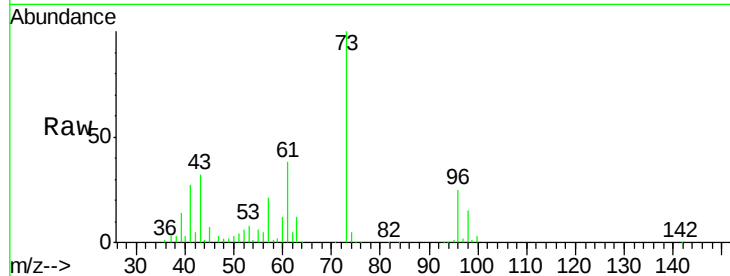




#19
Methyl tert-butyl Ether
Concen: 53.13 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

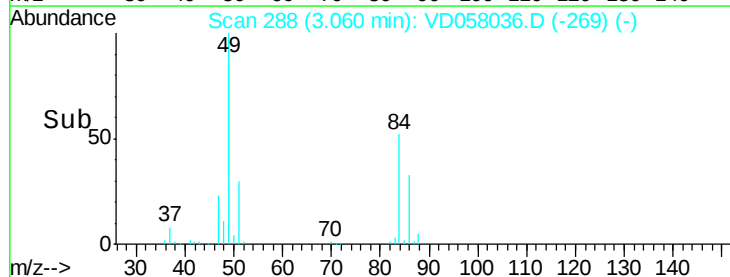
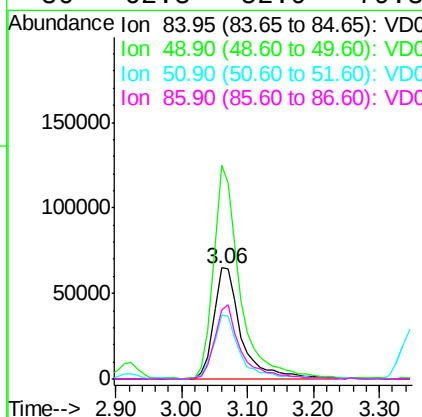
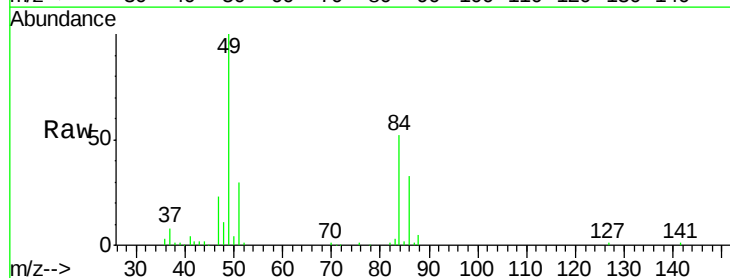
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

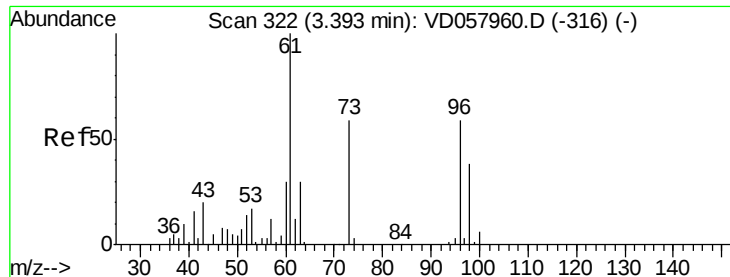
Tot Ion: 73 Resp: 815369
Ion Ratio Lower Upper
73 100
57 20.6 16.7 25.1



#20
Methylene Chloride
Concen: 54.96 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion: 84 Resp: 187544
Ion Ratio Lower Upper
84 100
49 192.4 141.4 212.0
51 57.7 38.3 57.5#
86 62.8 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 48.82 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

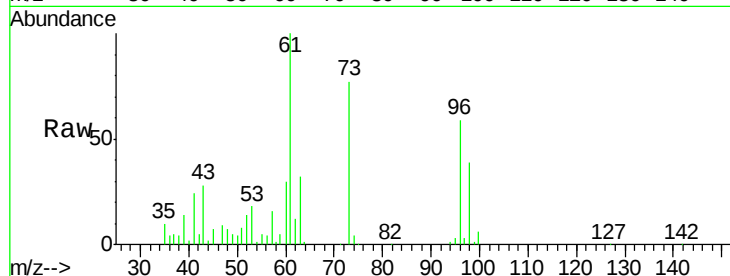
Tot Ion: 96 Resp: 379289

Ion Ratio Lower Upper

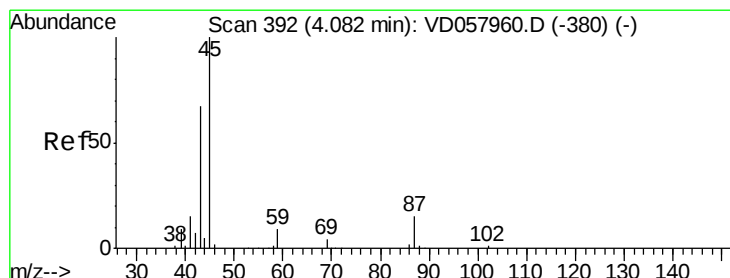
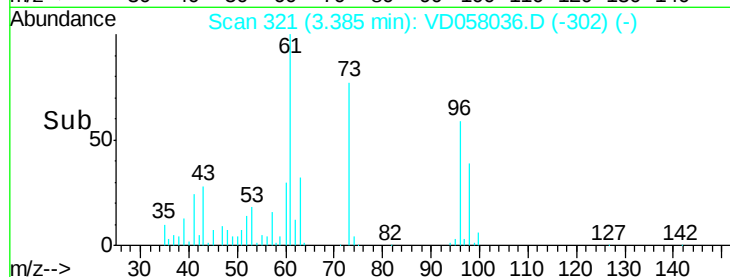
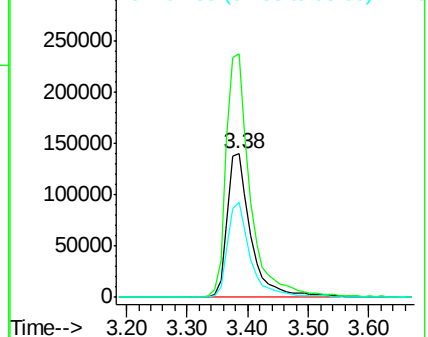
96 100

61 169.6 135.2 202.8

98 66.2 51.7 77.5



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



#22

Diisopropyl ether

Concen: 52.99 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Tgt Ion: 45 Resp: 1689216

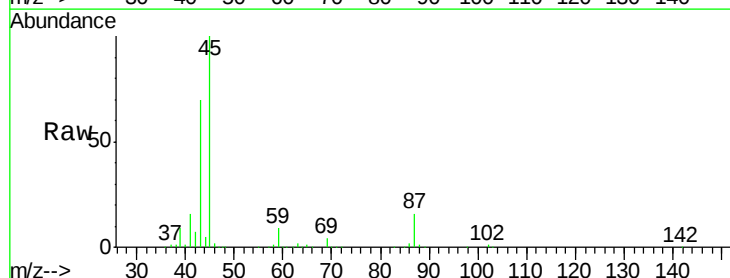
Ion Ratio Lower Upper

45 100

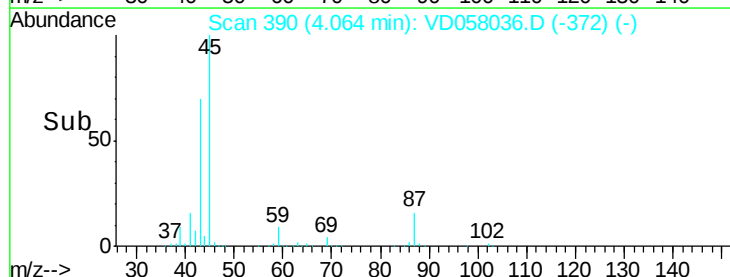
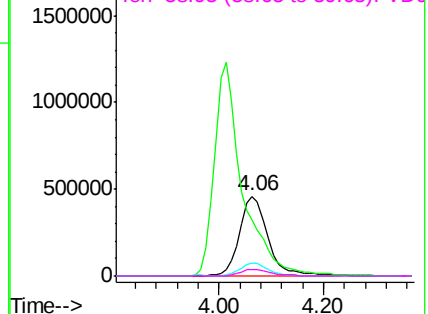
43 70.3 53.8 80.8

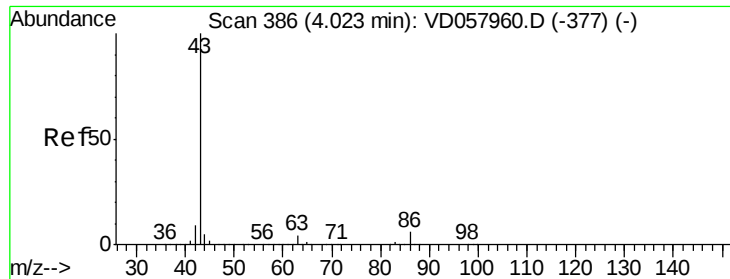
87 16.4 12.5 18.7

59 8.9 7.3 10.9



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





#23

Vinyl Acetate

Concen: 276.41 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

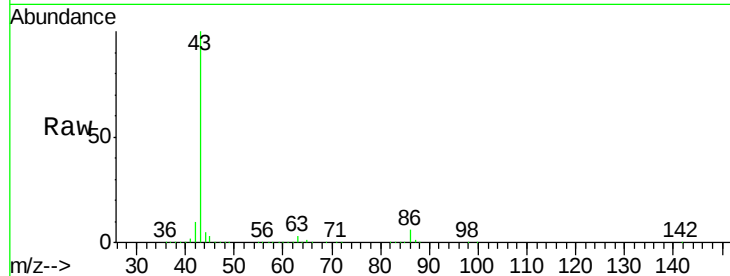
VSTDCCC050

Tot Ion: 43 Resp: 4552427

Ion Ratio Lower Upper

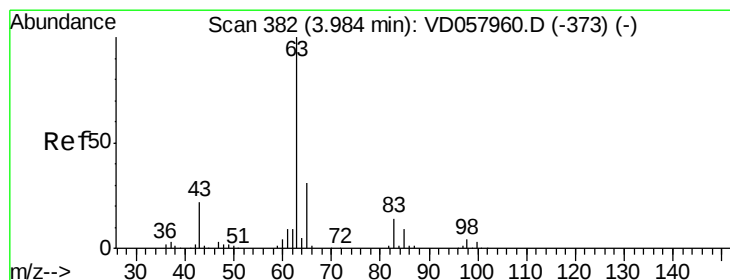
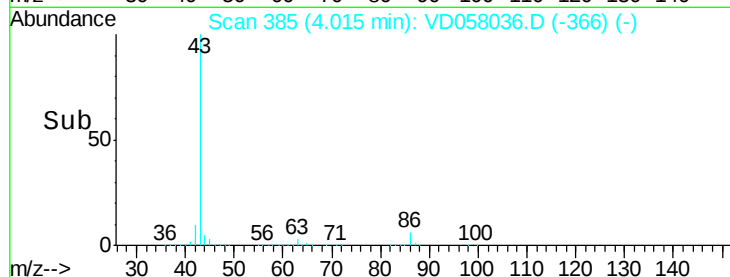
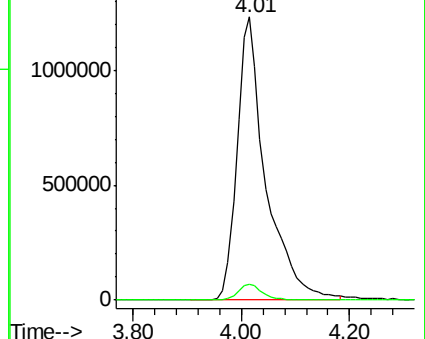
43 100

86 5.8 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.05 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

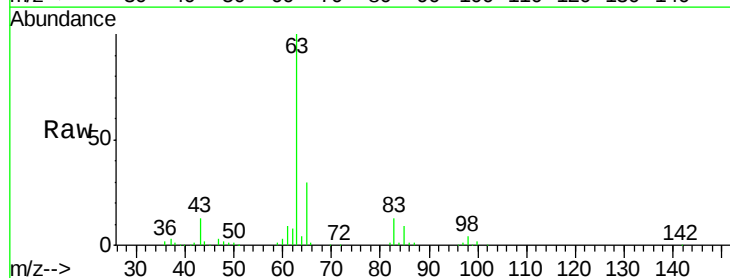
Tgt Ion: 63 Resp: 929370

Ion Ratio Lower Upper

63 100

98 4.0 2.0 5.8

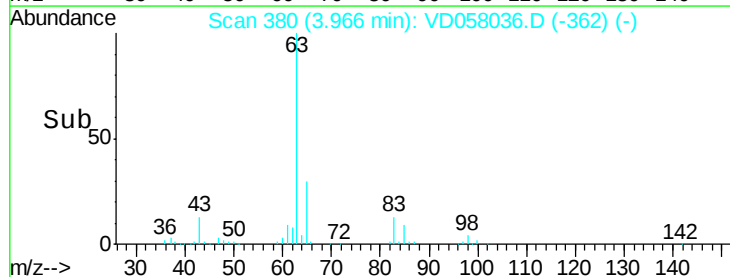
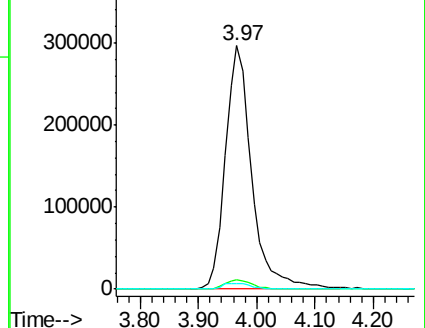
100 2.4 1.4 4.2

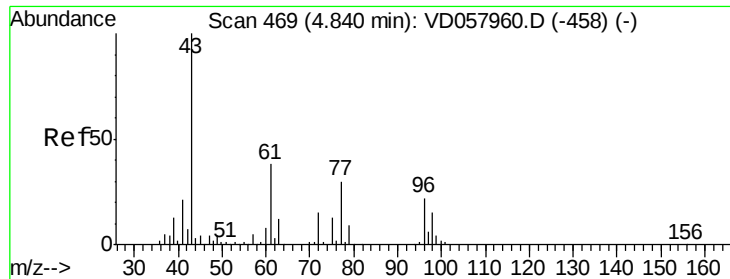


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 251.46 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

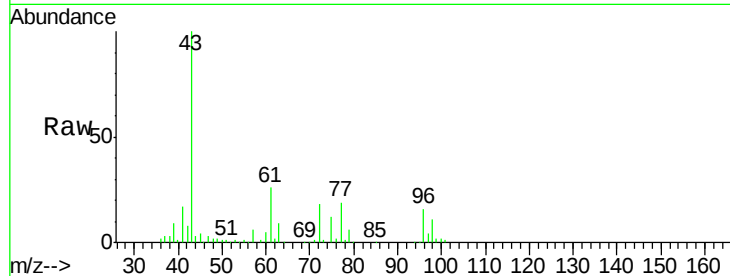
VSTDCCC050

Tot Ion: 43 Resp: 715864

Ion Ratio Lower Upper

43 100

72 18.2 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

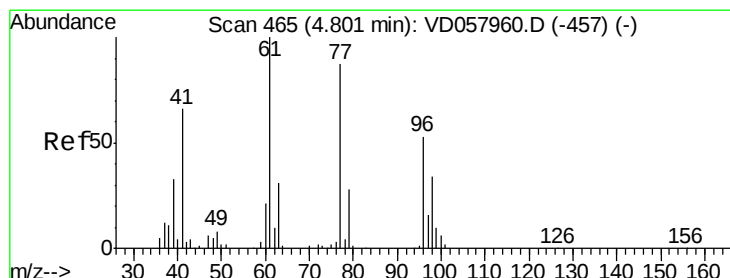
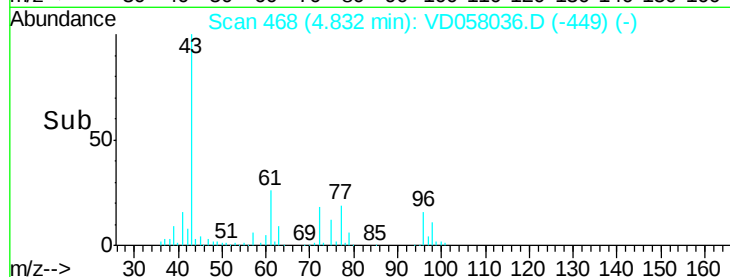
100000

50000

0

4.70 4.80 4.90

Time-->



#26

2,2-Dichloropropane

Concen: 46.64 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD058036.D

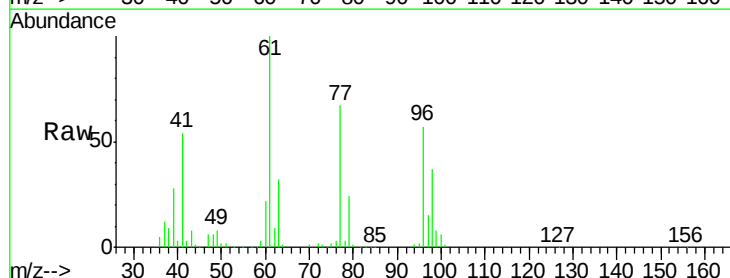
Acq: 9 Jun 2018 1:13

Tgt Ion: 77 Resp: 673094

Ion Ratio Lower Upper

77 100

97 21.8 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

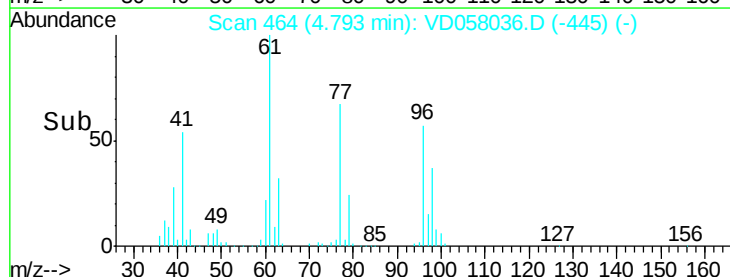
100000

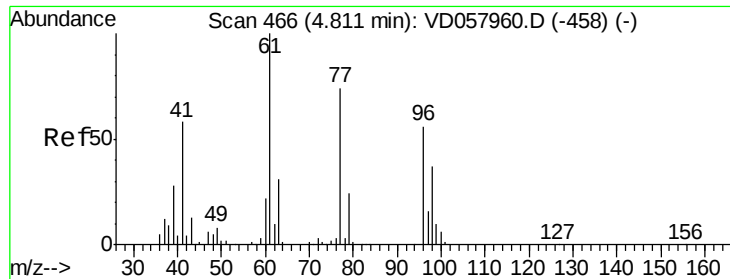
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.13 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

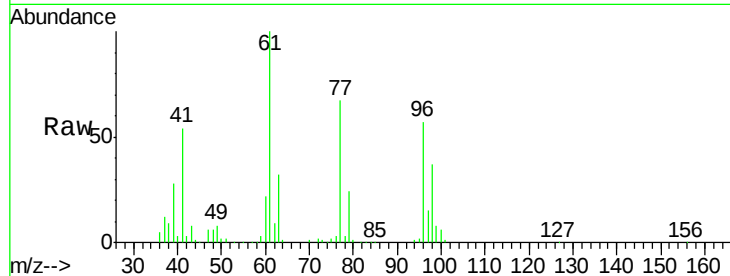
Tot Ion: 96 Resp: 480341

Ion Ratio Lower Upper

96 100

61 177.0 0.0 355.0

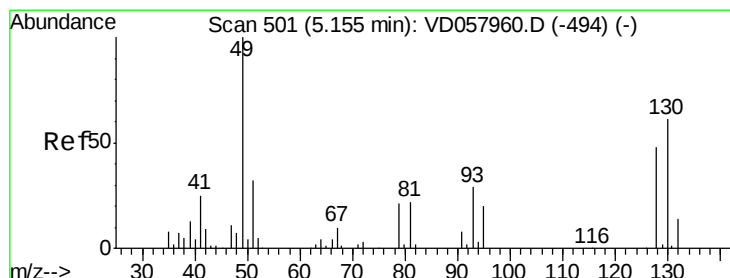
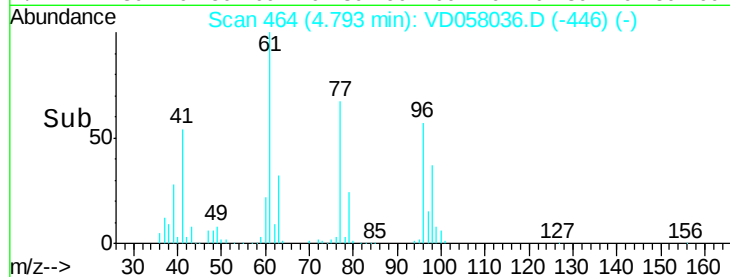
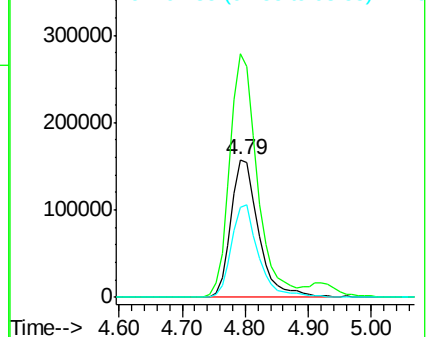
98 65.1 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 54.75 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

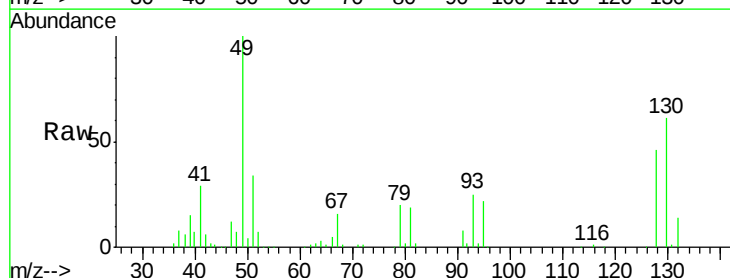
Tgt Ion: 49 Resp: 415145

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

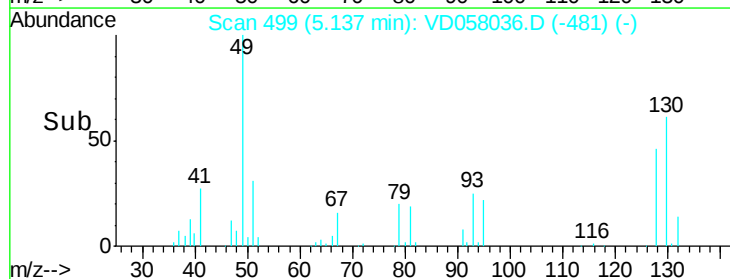
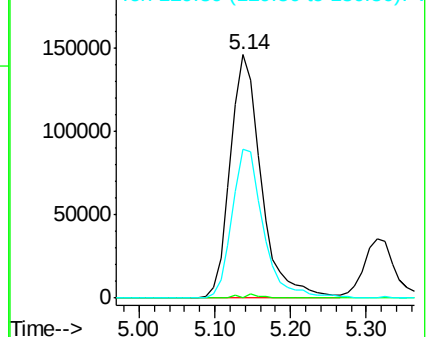
130 60.9 48.8 73.2

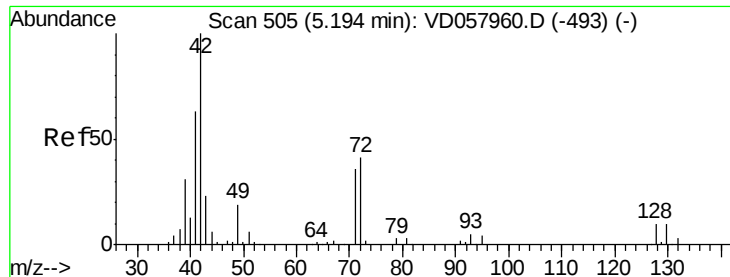


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 270.26 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

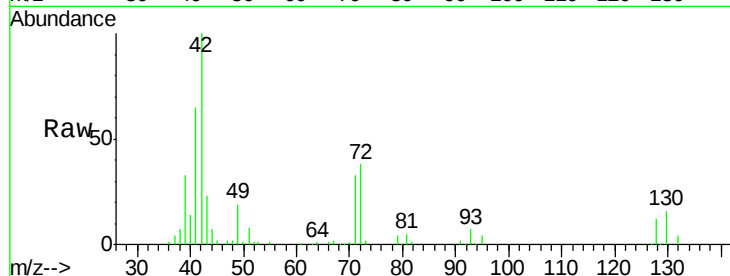
Tot Ion: 42 Resp: 403312

Ion Ratio Lower Upper

42 100

72 34.9 28.5 42.7

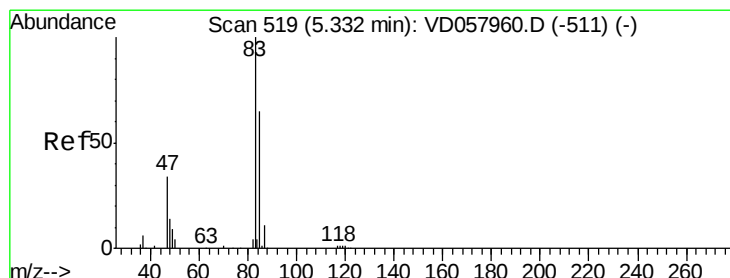
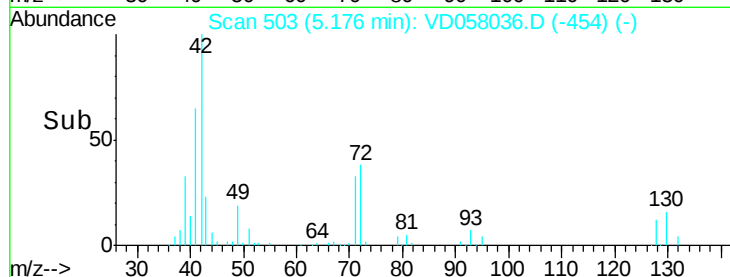
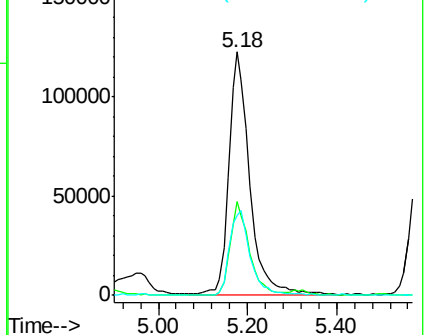
71 34.6 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 50.98 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.02 min

Lab File: VD058036.D

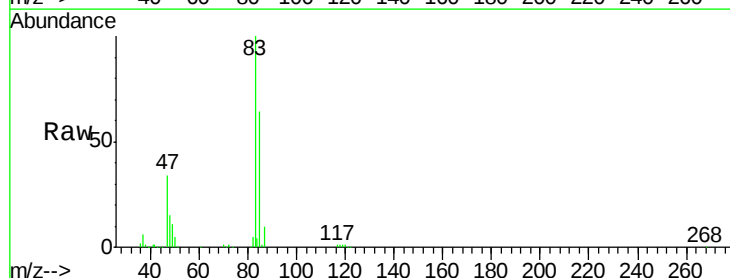
Acq: 9 Jun 2018 1:13

Tgt Ion: 83 Resp: 898898

Ion Ratio Lower Upper

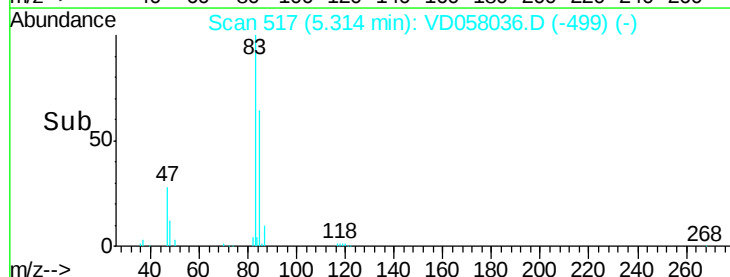
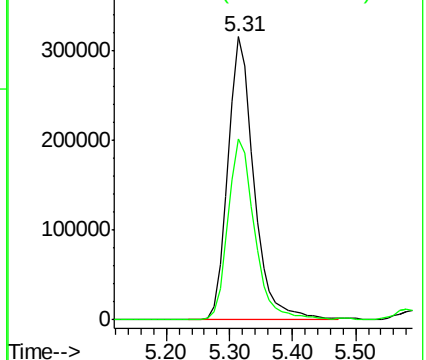
83 100

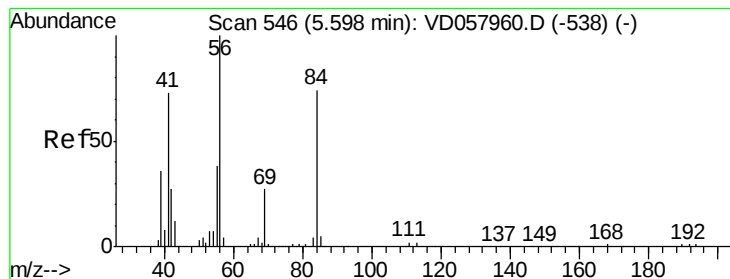
85 64.0 51.6 77.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 46.30 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

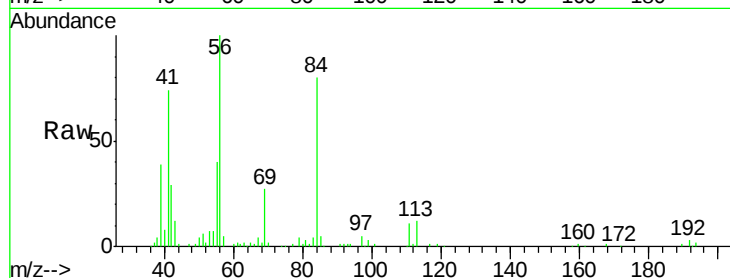
Tot Ion: 56 Resp: 699932

Ion Ratio Lower Upper

56 100

69 27.3 21.5 32.3

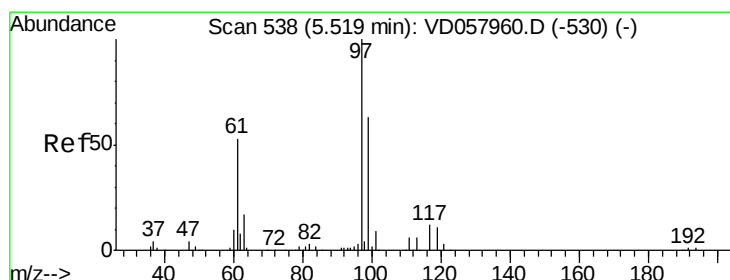
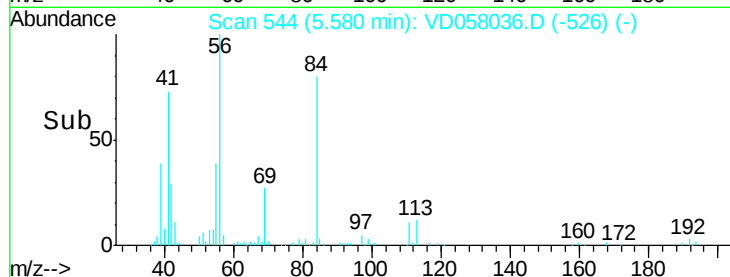
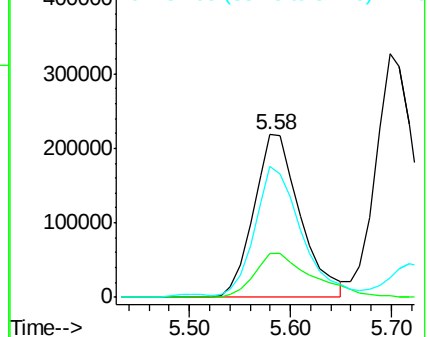
84 80.1 61.0 91.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 51.06 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

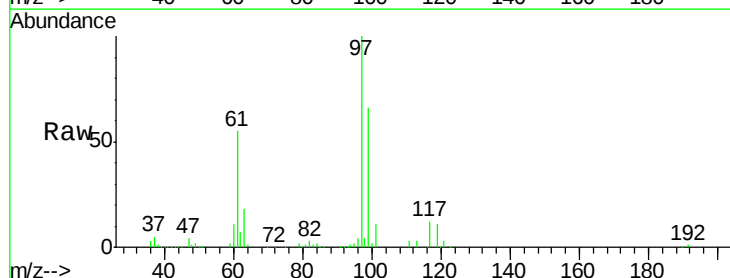
Tgt Ion: 97 Resp: 753792

Ion Ratio Lower Upper

97 100

99 65.7 50.1 75.1

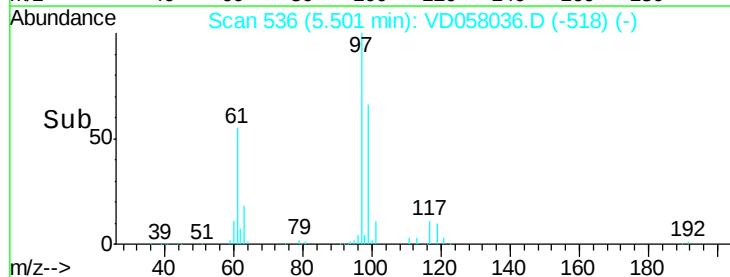
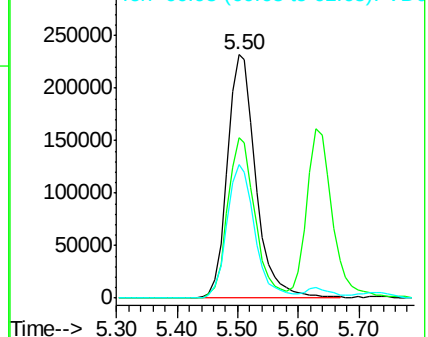
61 54.7 42.2 63.4

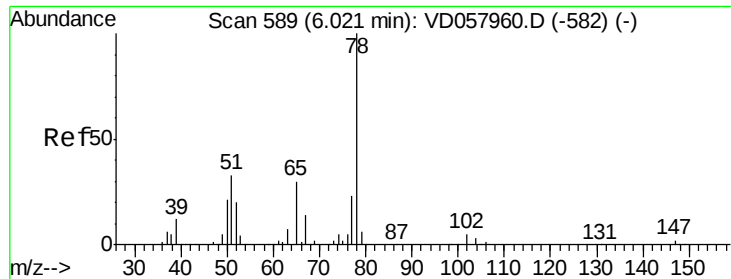


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.06 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

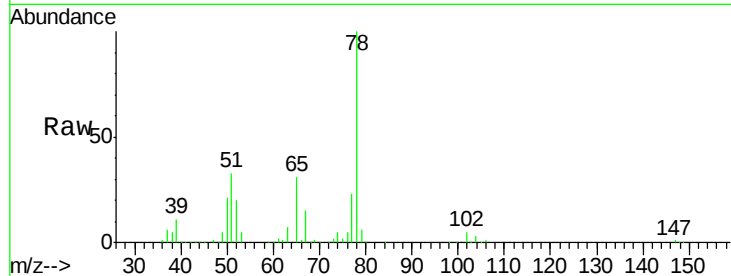
VSTDCCC050

Tot Ion: 65 Resp: 436546

Ion Ratio Lower Upper

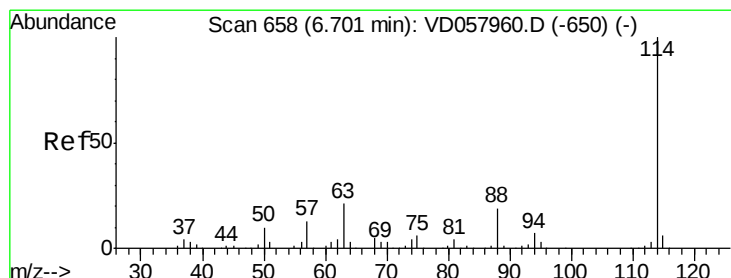
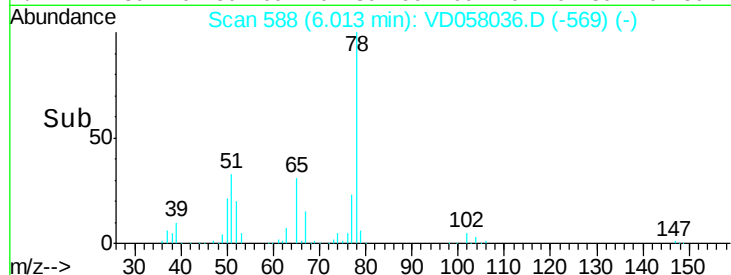
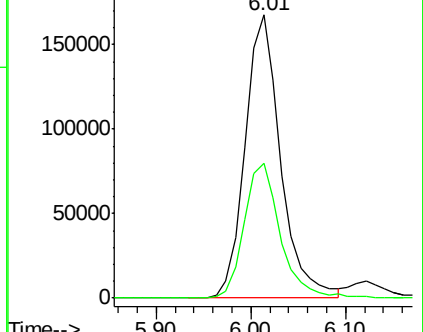
65 100

67 47.5 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

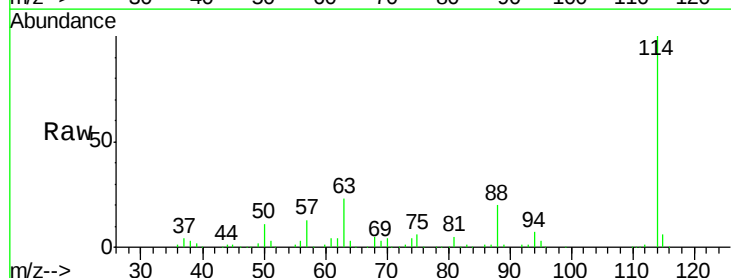
Tgt Ion: 114 Resp: 1174723

Ion Ratio Lower Upper

114 100

63 23.0 0.0 42.8

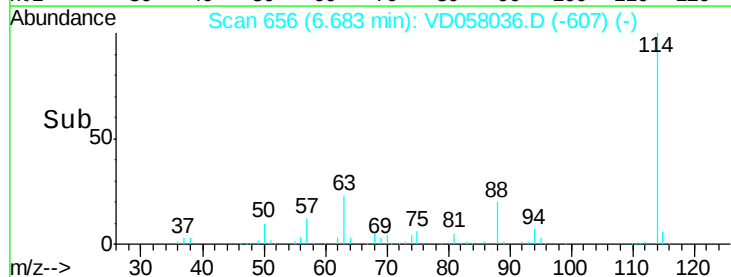
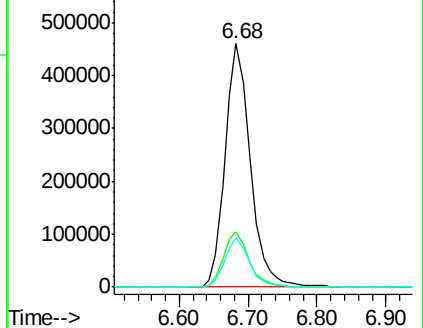
88 20.2 0.0 37.8

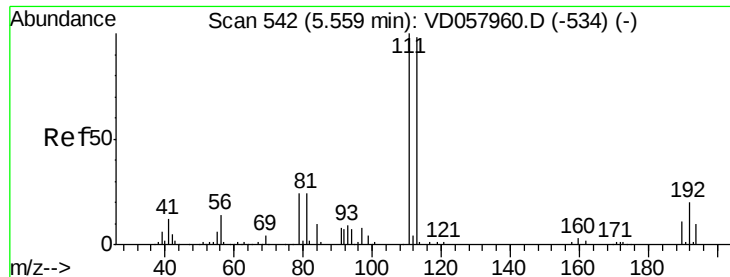


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

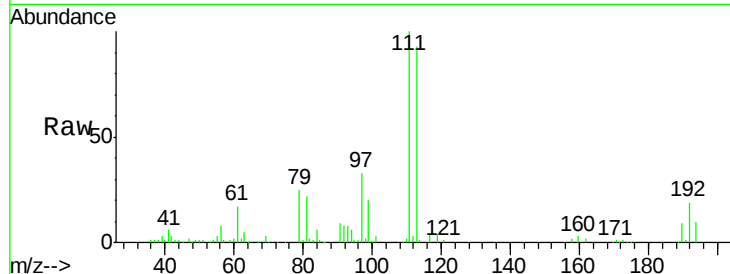




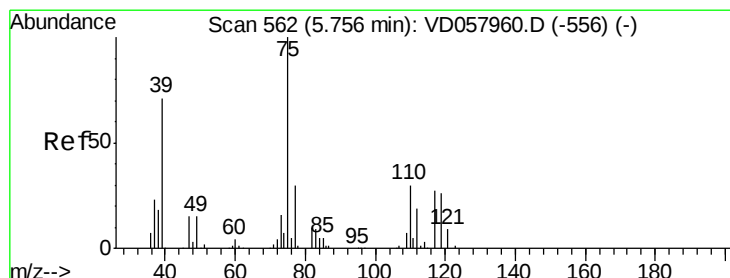
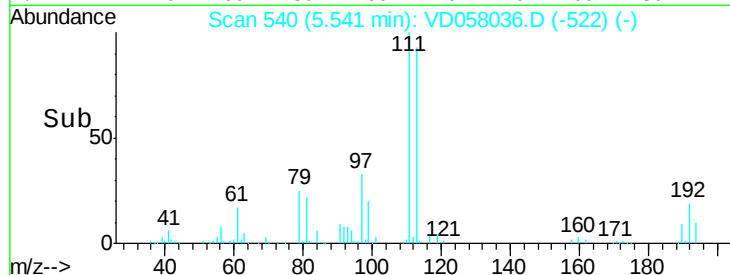
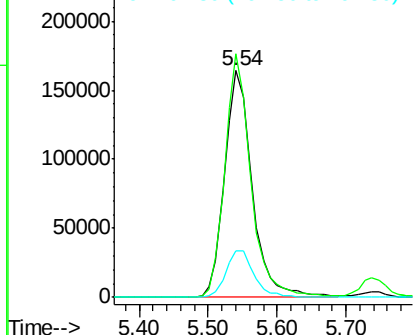
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.02 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 457326
Ion Ratio Lower Upper
113 100
111 107.5 81.5 122.3
192 20.7 16.4 24.6

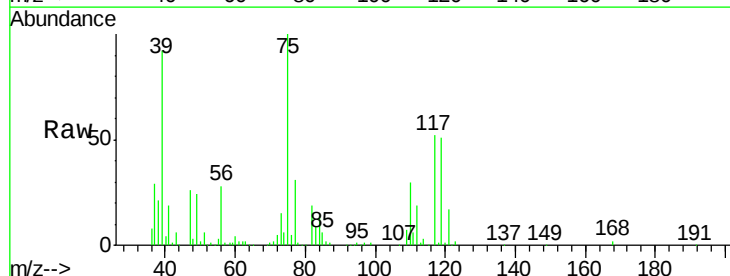


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

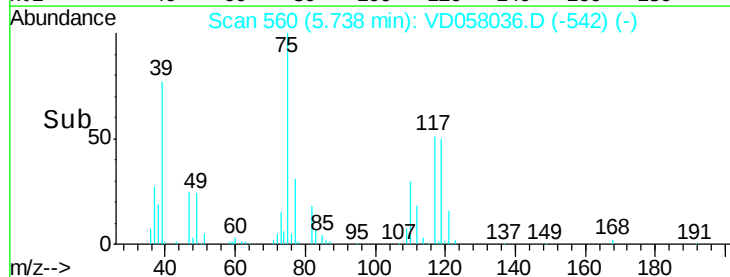
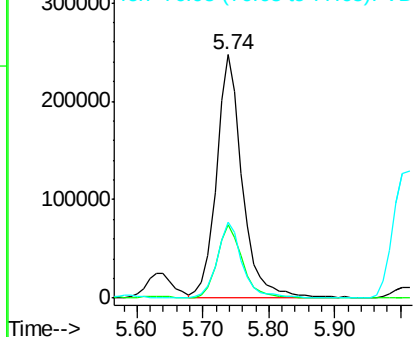


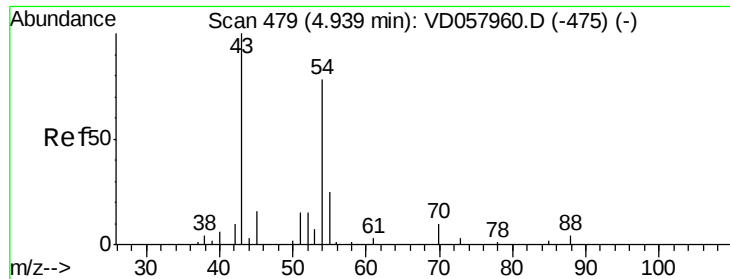
#36
1,1-Dichloropropene
Concen: 51.26 ug/l
RT: 5.74 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion: 75 Resp: 663413
Ion Ratio Lower Upper
75 100
110 30.3 14.8 44.3
77 31.1 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

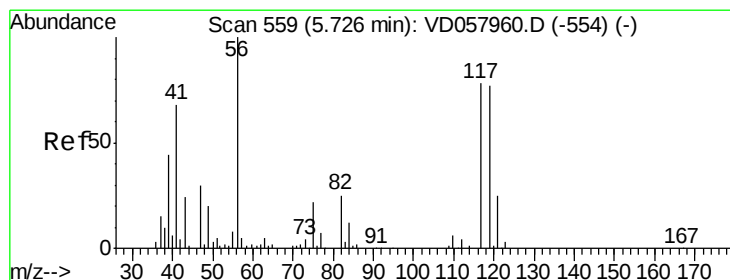
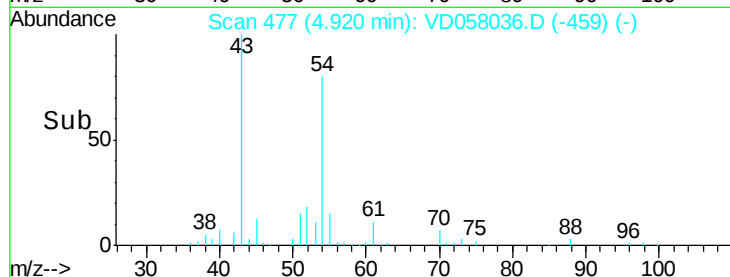
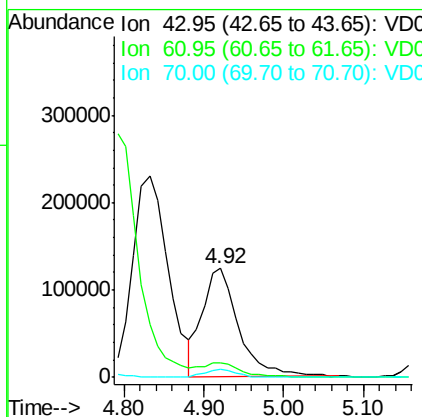
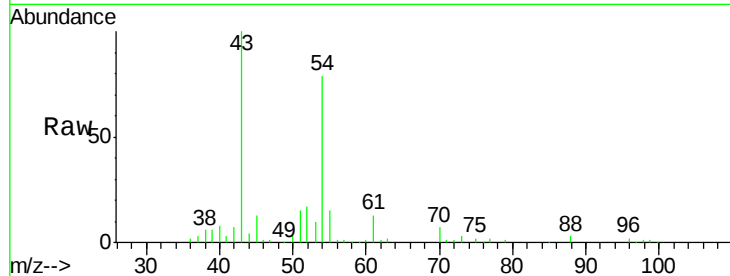




#37
Ethyl Acetate
Concen: 54.81 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

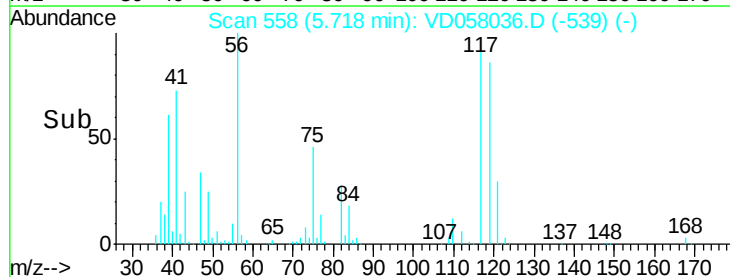
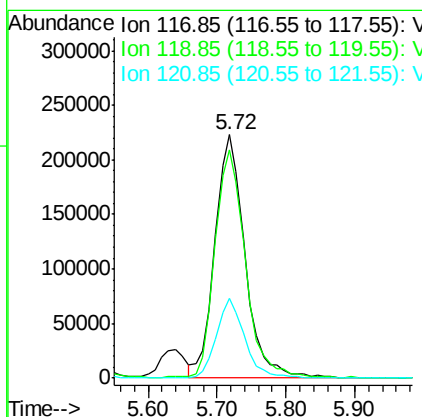
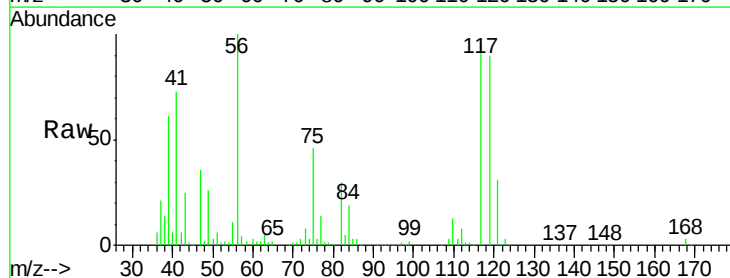
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

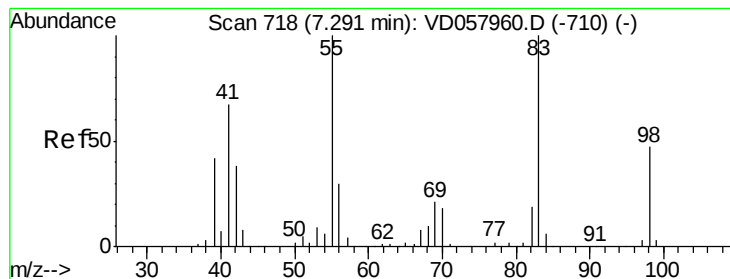
Tot Ion: 43 Resp: 387086
Ion Ratio Lower Upper
43 100
61 13.5 9.9 14.9
70 7.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 52.08 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion: 117 Resp: 664346
Ion Ratio Lower Upper
117 100
119 93.9 76.1 114.1
121 32.6 24.9 37.3





#39

Methvlcvclohexane

Concen: 53.14 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

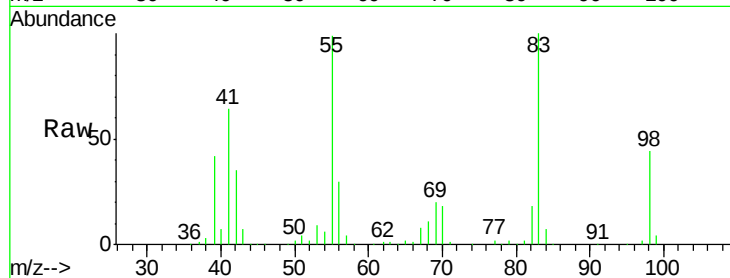
Tot Ion: 83 Resp: 681818

Ion Ratio Lower Upper

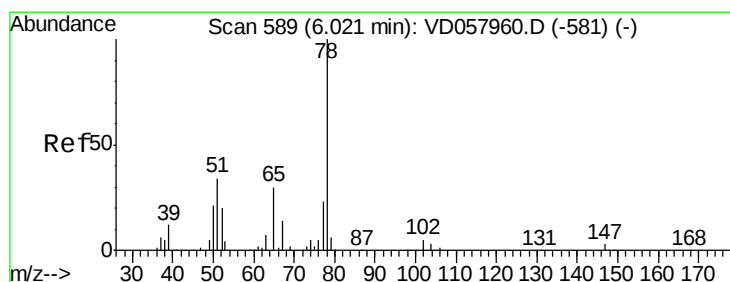
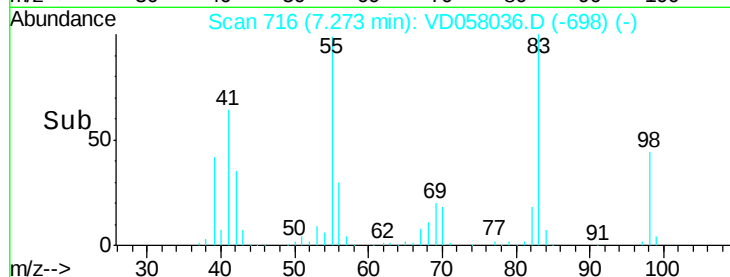
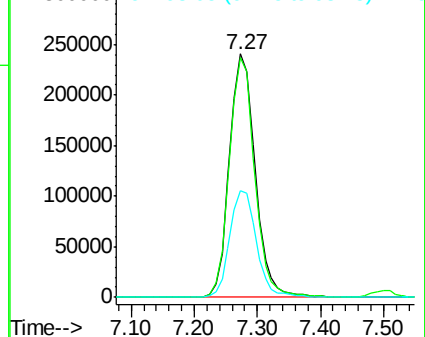
83 100

55 98.6 80.3 120.5

98 44.0 38.0 57.0



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



#40

Benzene

Concen: 53.24 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058036.D

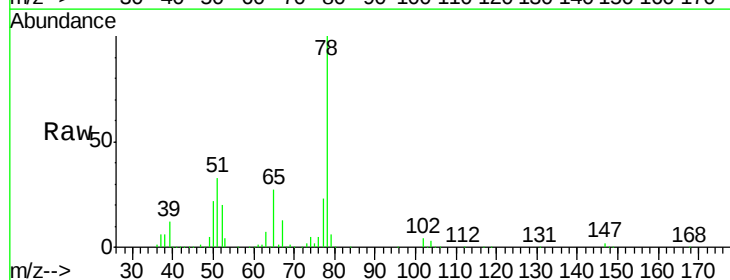
Acq: 9 Jun 2018 1:13

Tgt Ion: 78 Resp: 1609691

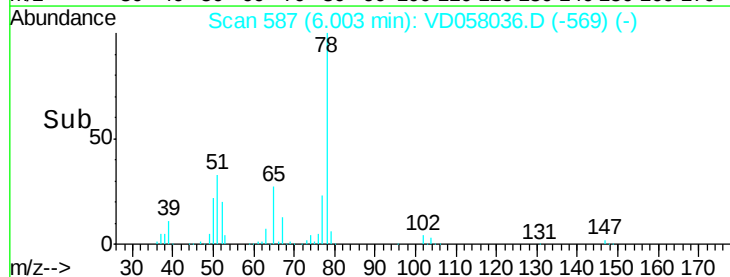
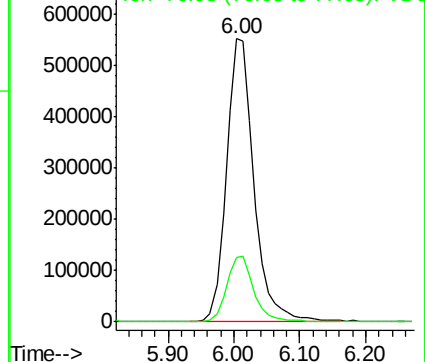
Ion Ratio Lower Upper

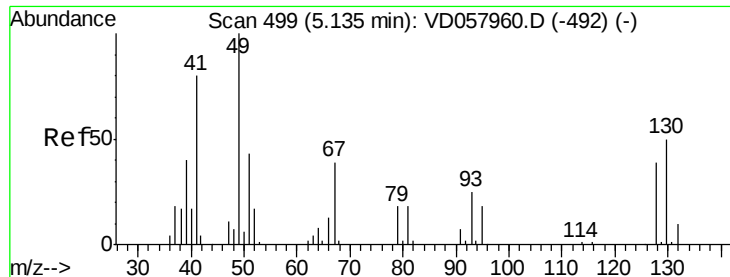
78 100

77 22.9 18.1 27.1



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

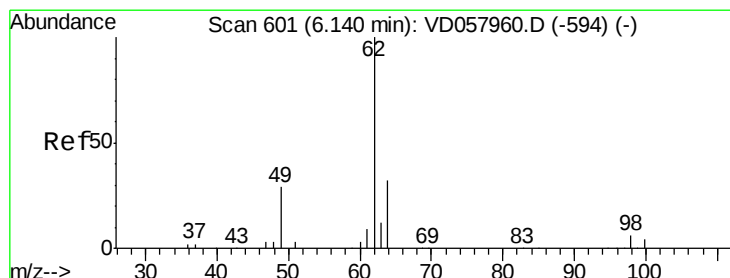
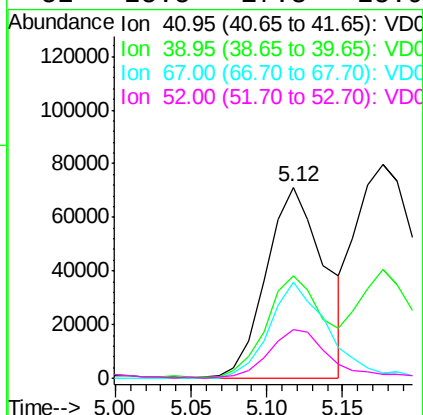
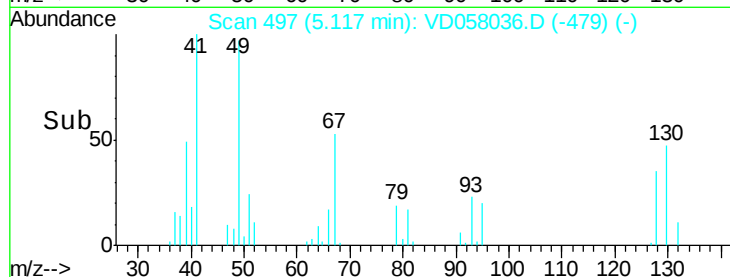
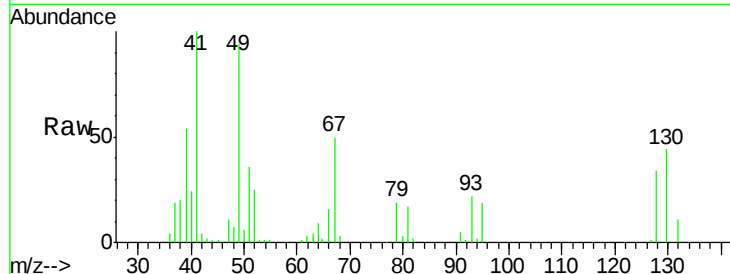




#41
Methacrylonitrile
Concen: 59.56 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

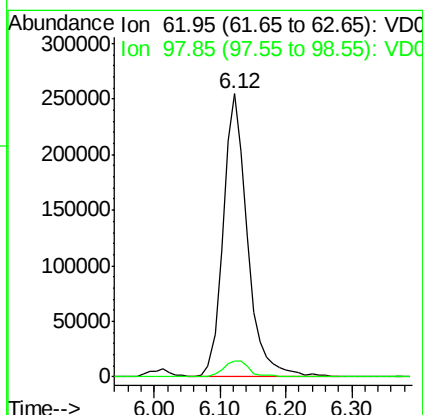
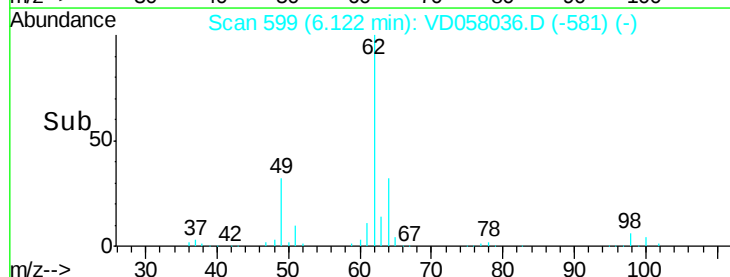
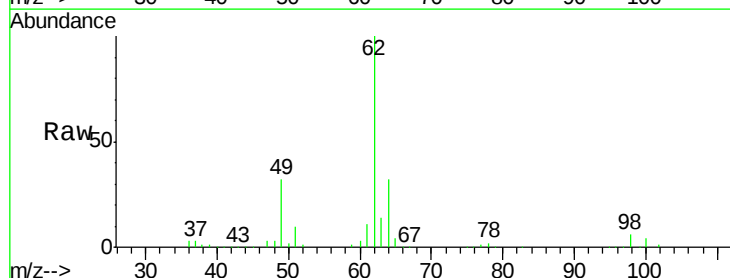
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

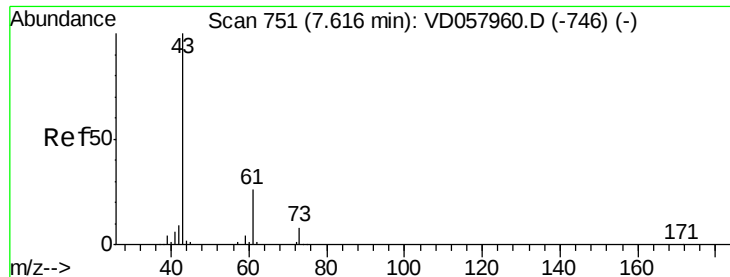
Tot Ion: 41 Resp: 192334
Ion Ratio Lower Upper
41 100
39 53.9 40.7 61.1
67 50.5 38.8 58.2
52 25.5 17.3 25.9



#42
1,2-Dichloroethane
Concen: 53.47 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.02 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion: 62 Resp: 653647
Ion Ratio Lower Upper
62 100
98 5.7 0.0 12.8



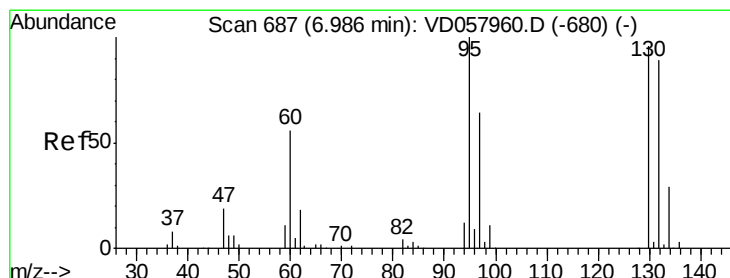
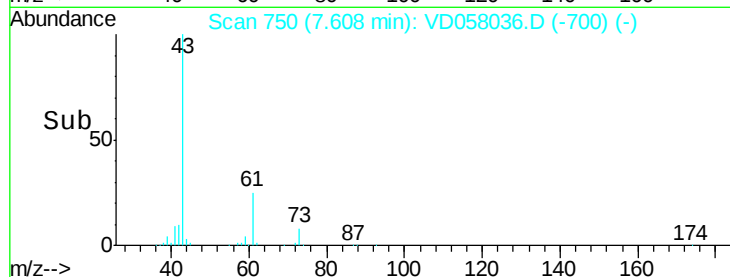
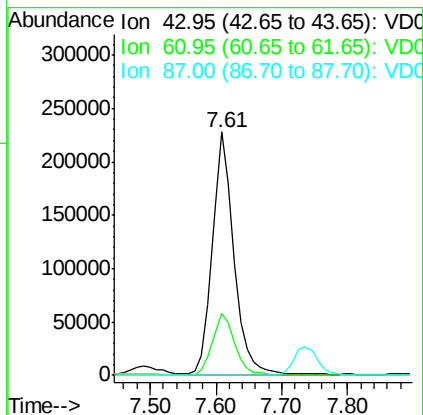
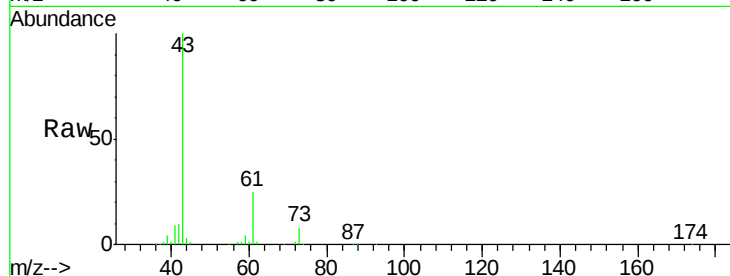


#43

Isopropyl Acetate
 Concen: 55.31 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

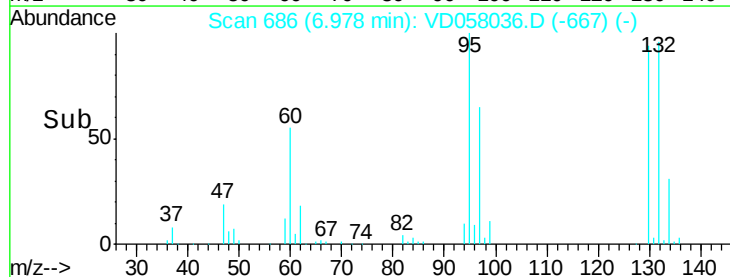
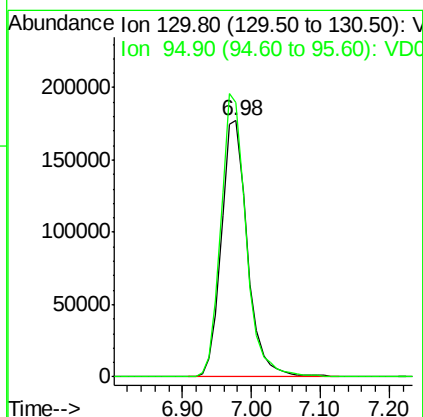
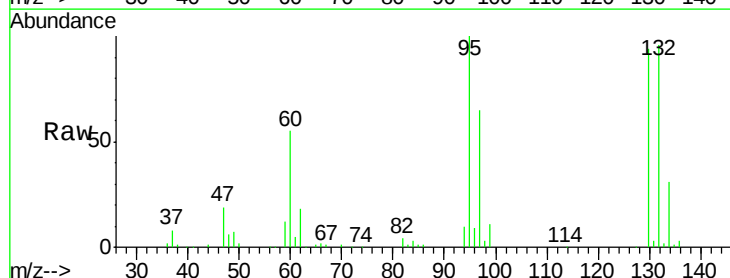
Tot Ion: 43 Resp: 511653
 Ion Ratio Lower Upper
 43 100
 61 25.2 20.6 30.8
 87 0.3 0.2 0.4

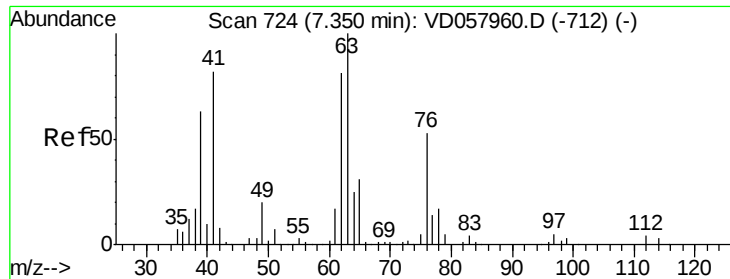


#44

Trichloroethene
 Concen: 52.60 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Tgt Ion: 130 Resp: 464525
 Ion Ratio Lower Upper
 130 100
 95 106.9 0.0 207.4





#45

1,2-Dichloropropane

Concen: 51.86 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

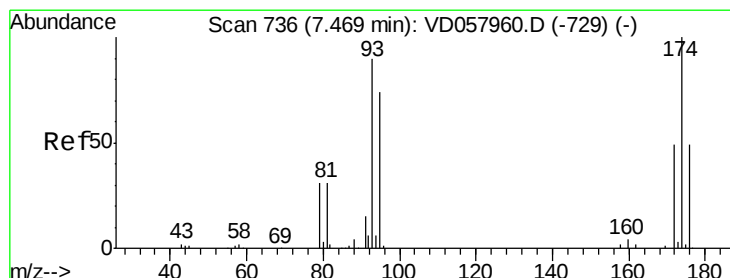
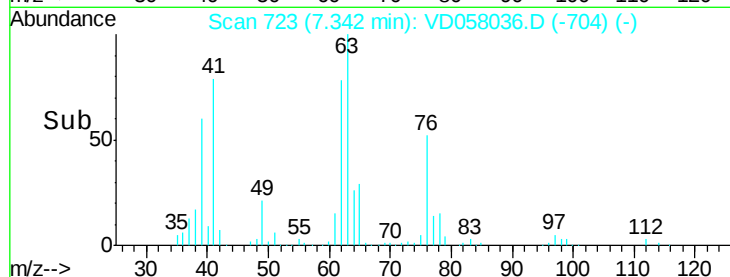
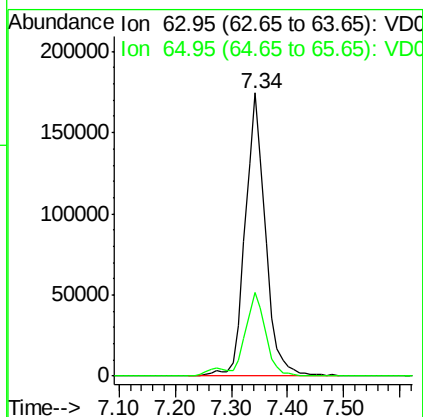
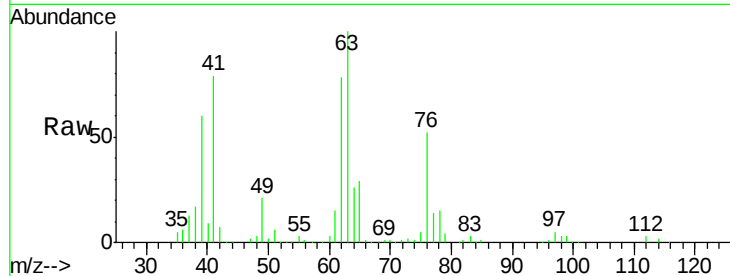
VSTDCCC050

Tot Ion: 63 Resp: 435786

Ion Ratio Lower Upper

63 100

65 29.4 24.9 37.3



#46

Dibromomethane

Concen: 53.52 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

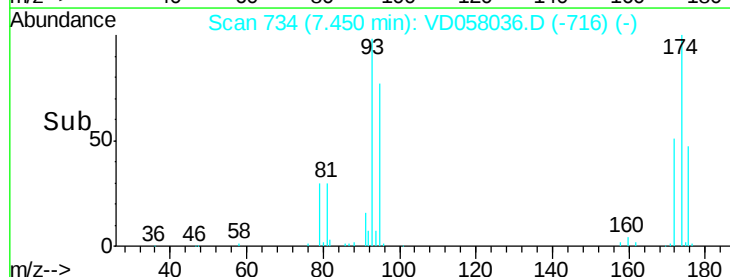
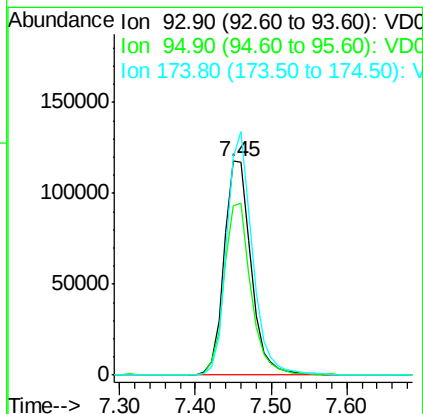
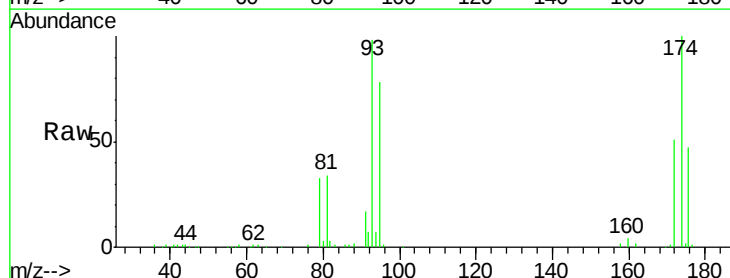
Tgt Ion: 93 Resp: 288923

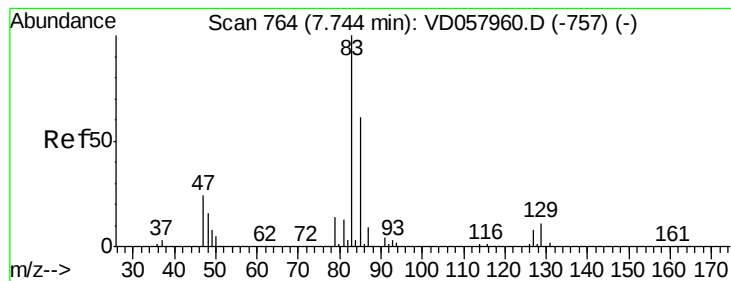
Ion Ratio Lower Upper

93 100

95 79.5 65.7 98.5

174 102.0 89.0 133.4





#47

Bromodichloromethane

Concen: 54.05 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

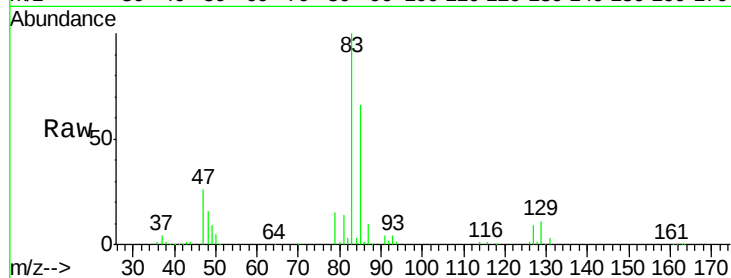
Tot Ion: 83 Resp: 683193

Ion Ratio Lower Upper

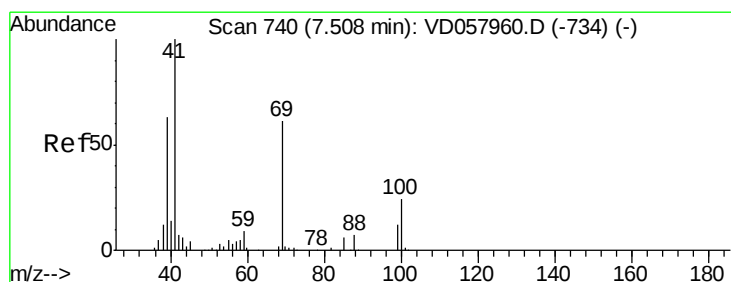
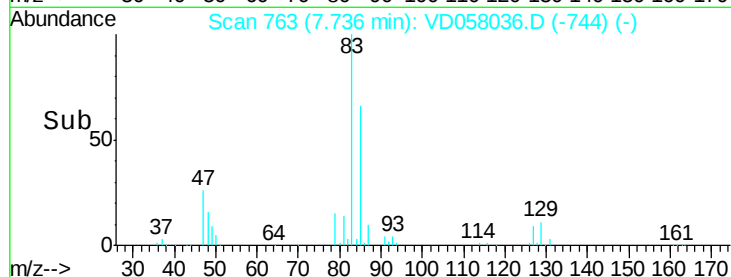
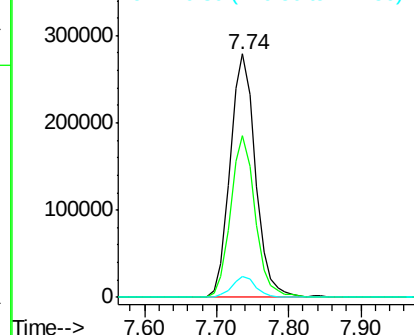
83 100

85 66.4 49.1 73.7

127 8.6 6.2 9.2



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



#48

Methyl methacrylate

Concen: 53.91 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

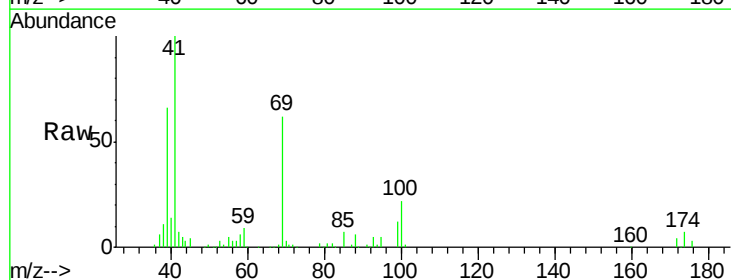
Tgt Ion: 41 Resp: 306927

Ion Ratio Lower Upper

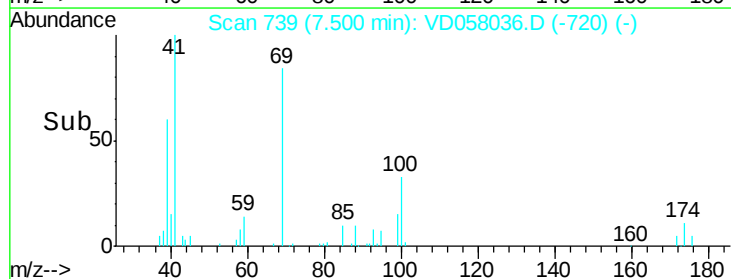
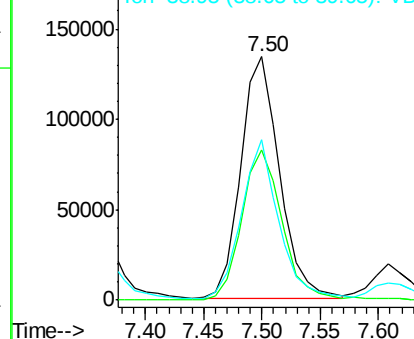
41 100

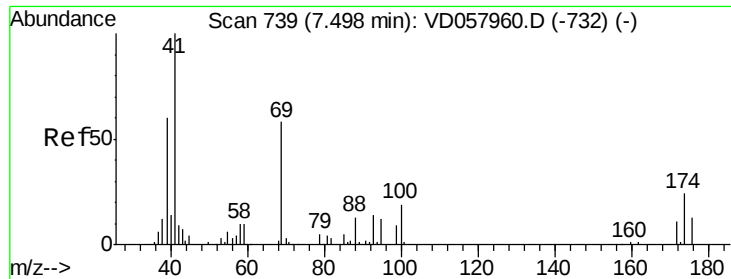
69 61.7 48.0 72.0

39 66.1 50.7 76.1



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





#49

1,4-Dioxane

Concen: 1104.53 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

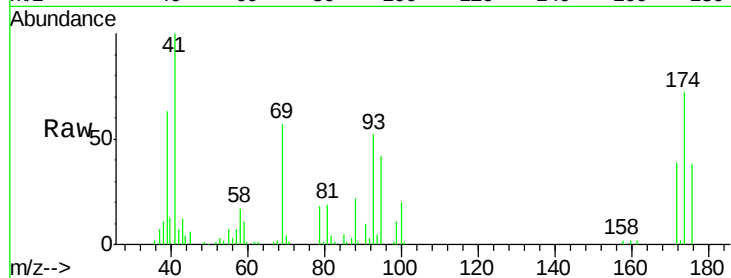
Tot Ion: 88 Resp: 52095

Ion Ratio Lower Upper

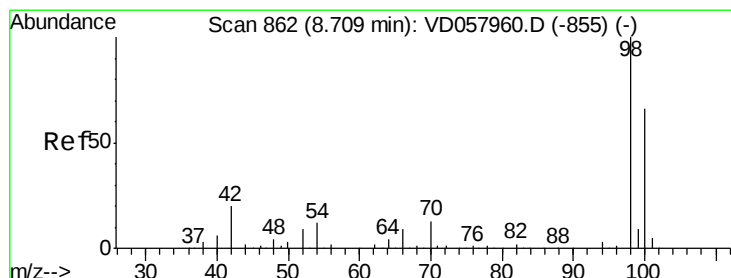
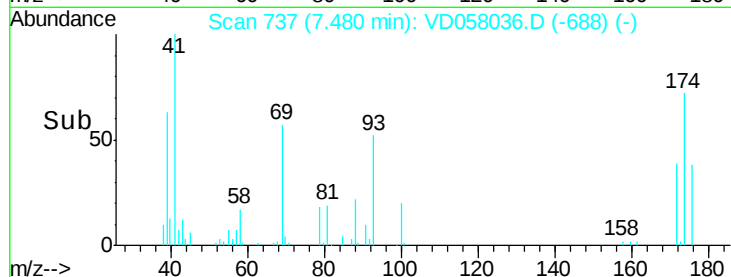
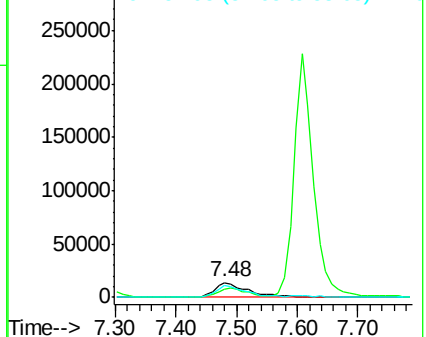
88 100

43 54.9 46.6 69.8

58 77.2 63.6 95.4



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



#50

Toluene-d8

Concen: 1104.53 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058036.D

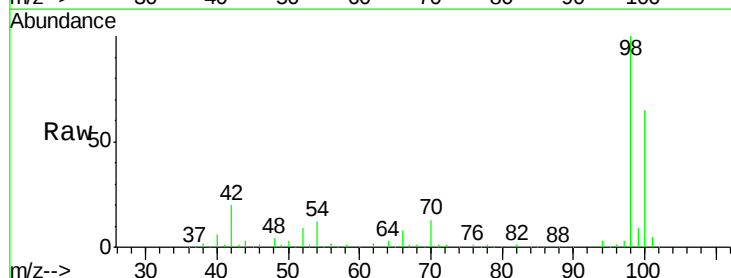
Acq: 9 Jun 2018 1:13

Tgt Ion: 98 Resp: 1031362

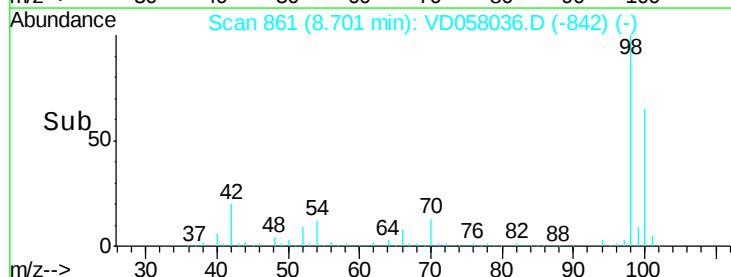
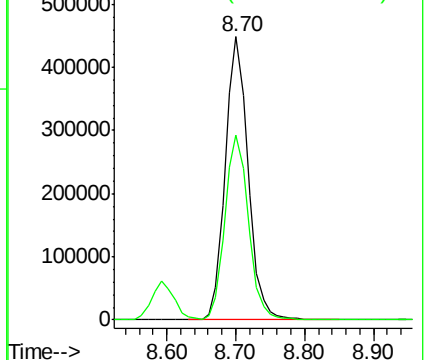
Ion Ratio Lower Upper

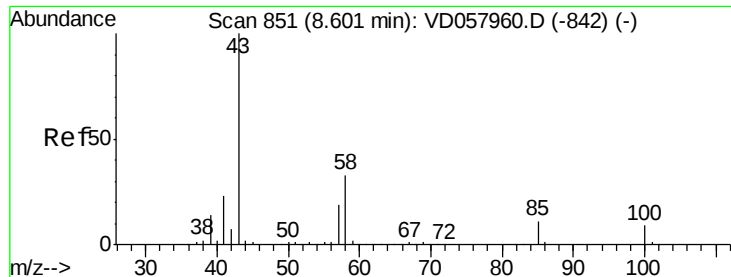
98 100

100 65.3 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 270.85 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

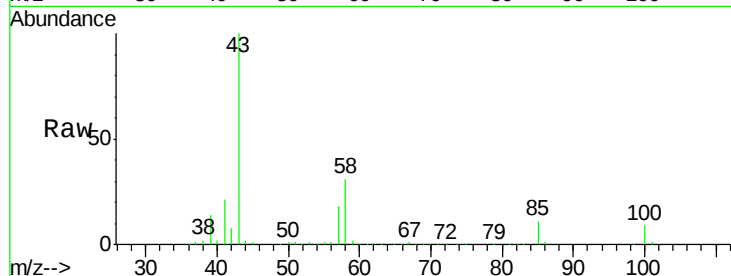
VSTDCCC050

Tot Ion: 43 Resp: 1606980

Ion Ratio Lower Upper

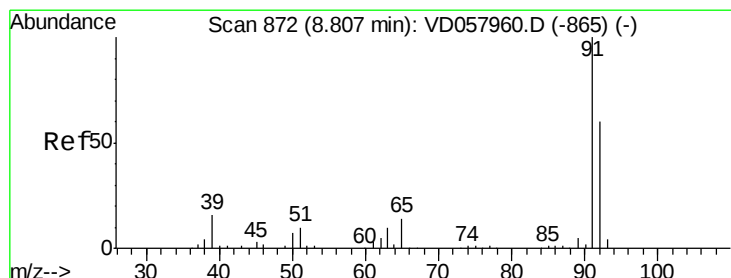
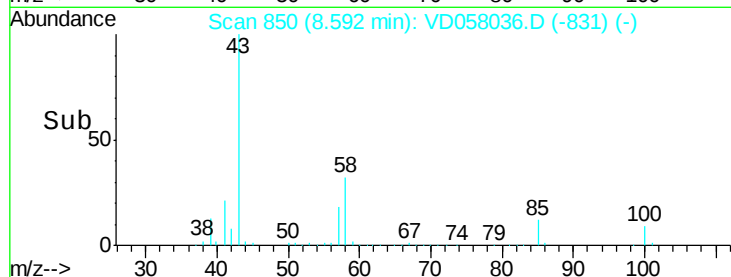
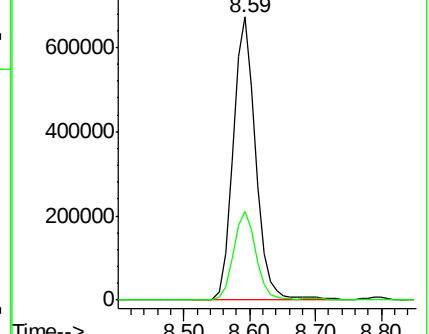
43 100

58 31.5 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.55 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058036.D

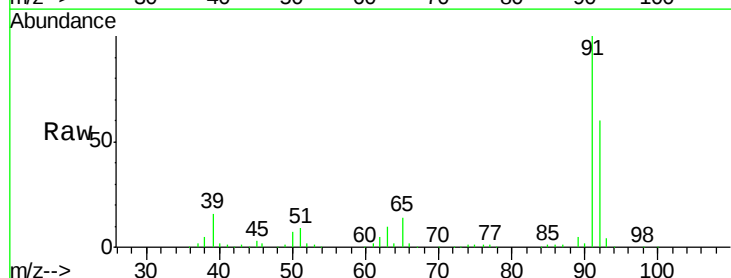
Acq: 9 Jun 2018 1:13

Tgt Ion: 92 Resp: 894468

Ion Ratio Lower Upper

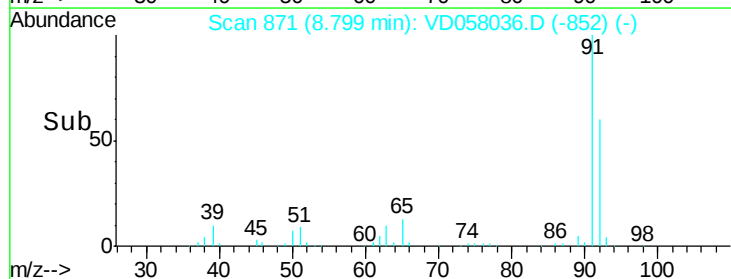
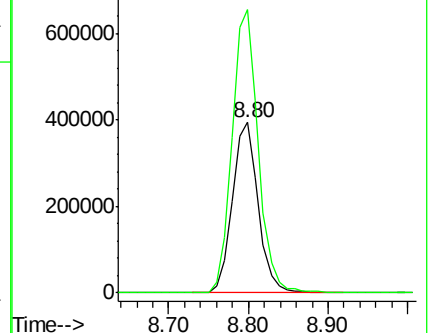
92 100

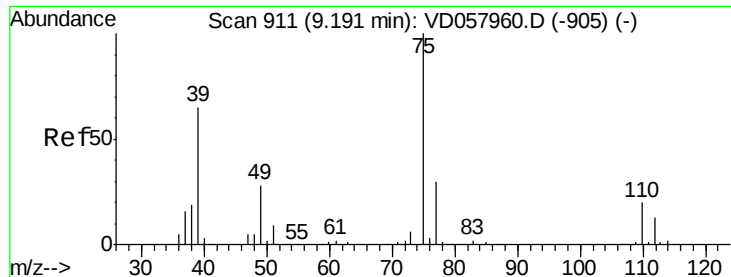
91 166.3 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

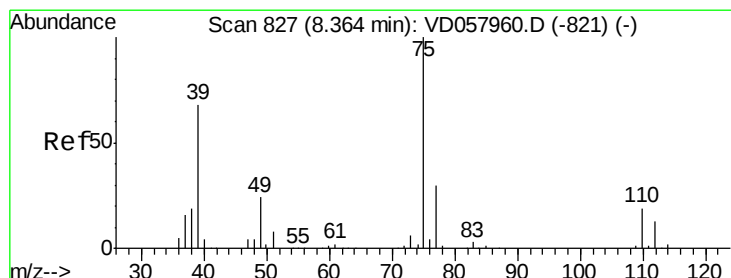
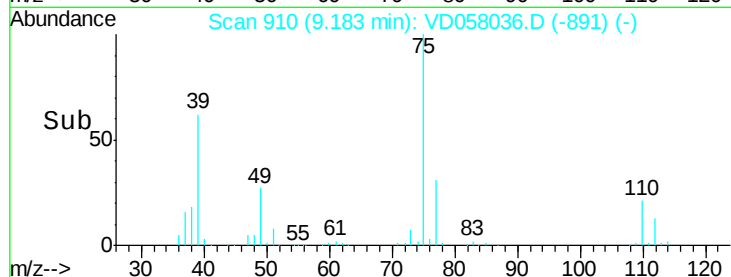
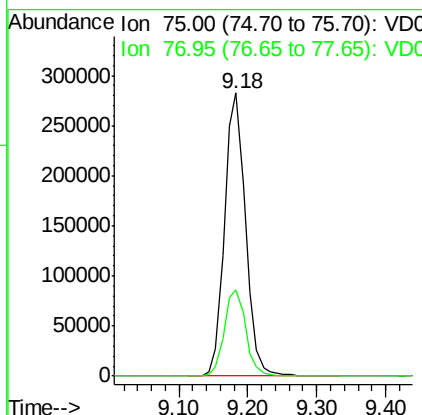
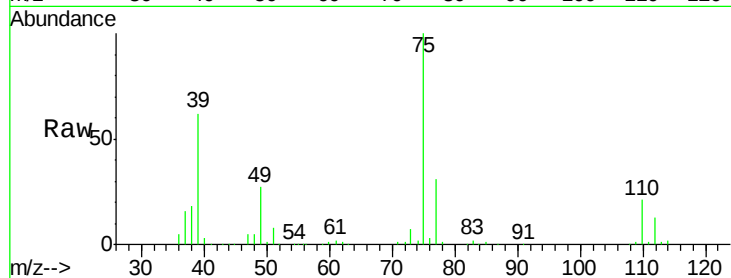




#53
 t-1,3-Dichloropropene
 Concen: 54.71 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

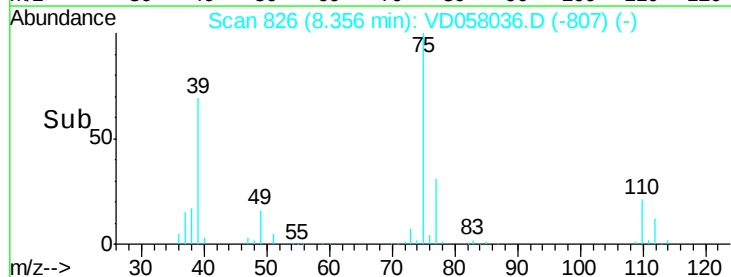
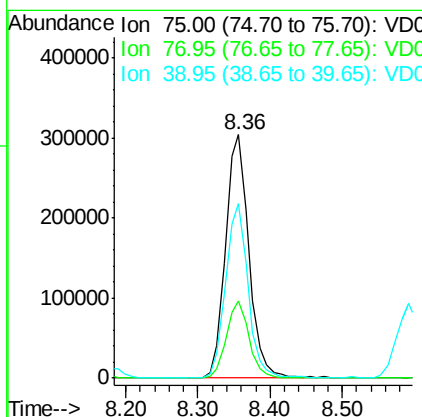
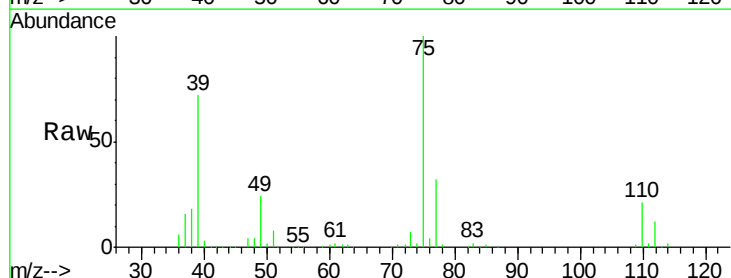
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

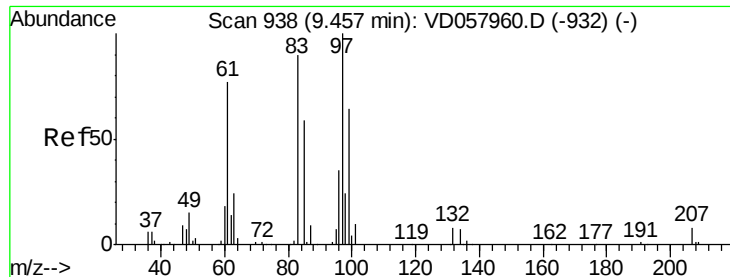
Tot Ion: 75 Resp: 595799
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 53.16 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Tgt Ion: 75 Resp: 681964
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.1 36.1
 39 71.6 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 53.00 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 297646

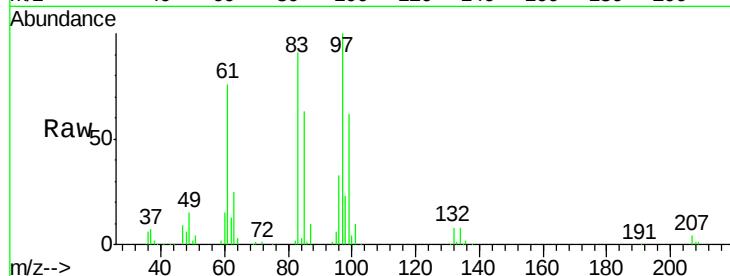
Ion Ratio Lower Upper

97 100

83 90.8 71.8 107.8

85 63.0 47.2 70.8

99 62.0 51.4 77.0

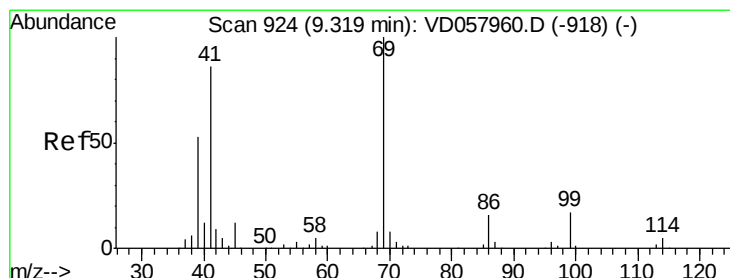
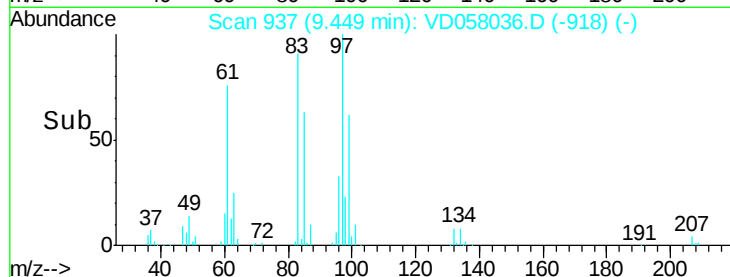
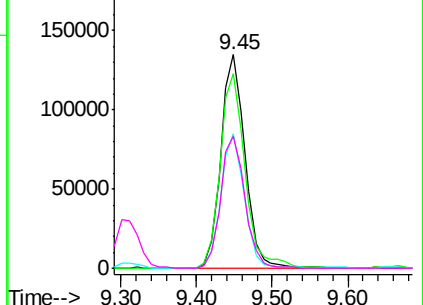


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 54.24 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

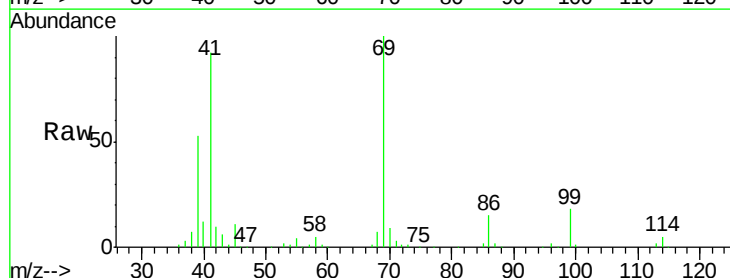
Tgt Ion: 69 Resp: 373649

Ion Ratio Lower Upper

69 100

41 91.6 68.4 102.6

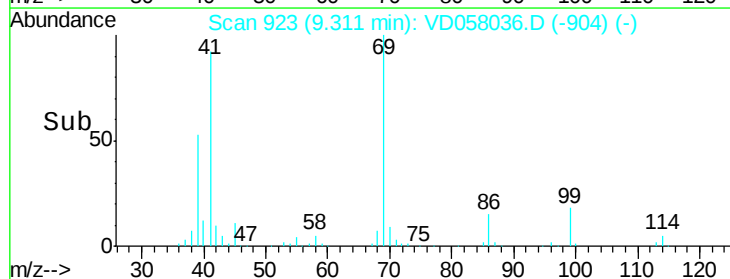
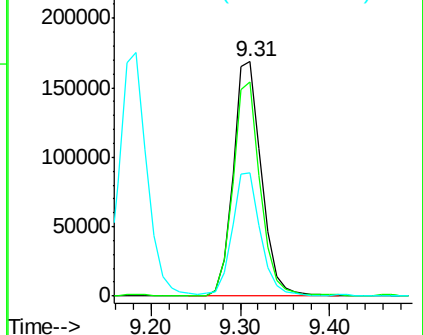
39 52.9 43.0 64.4

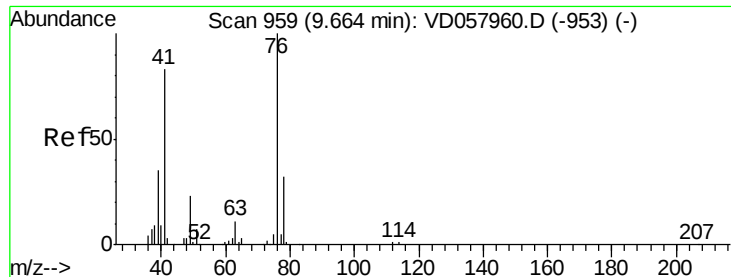


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 55.66 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

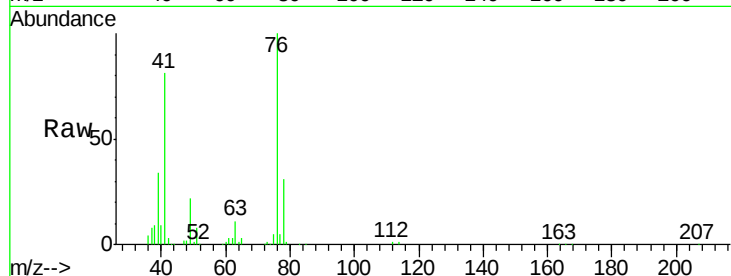
VSTDCCC050

Tot Ion: 76 Resp: 548256

Ion Ratio Lower Upper

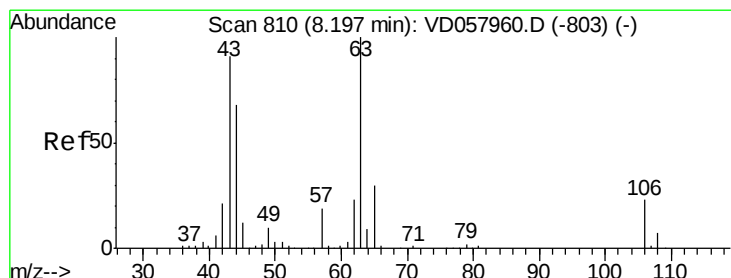
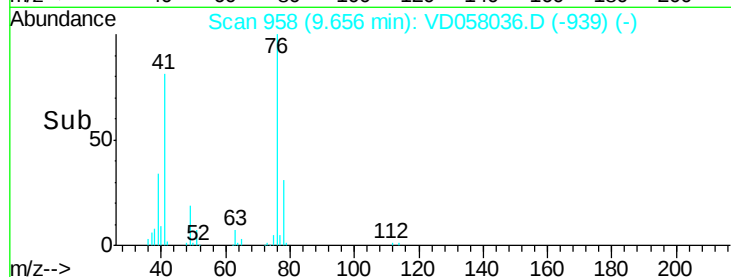
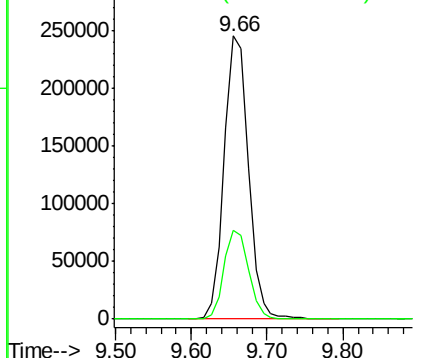
76 100

78 31.4 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 264.94 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD058036.D

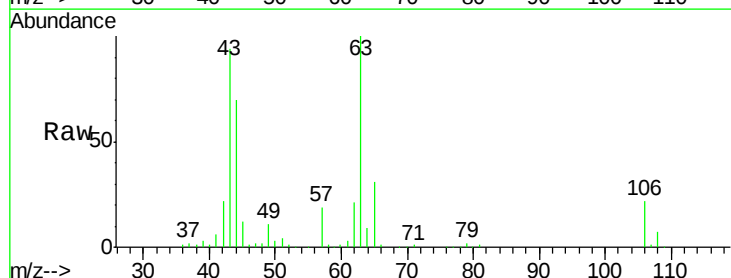
Acq: 9 Jun 2018 1:13

Tgt Ion: 63 Resp: 922077

Ion Ratio Lower Upper

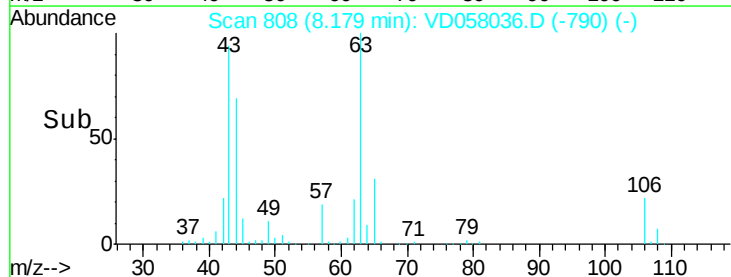
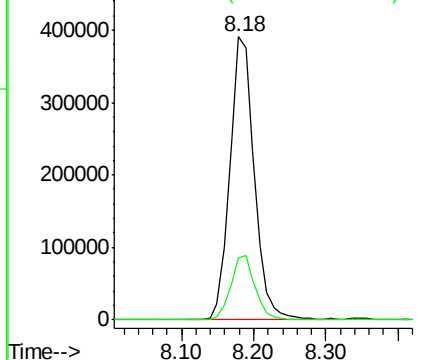
63 100

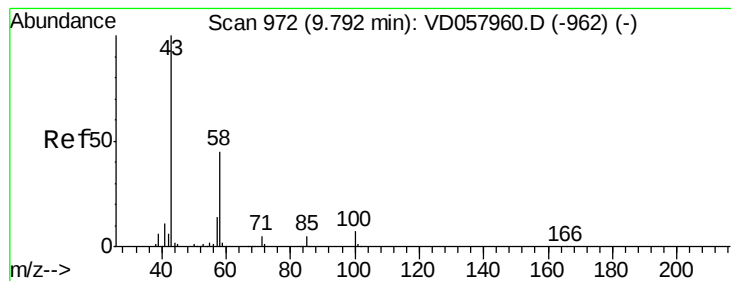
106 21.8 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 267.66 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

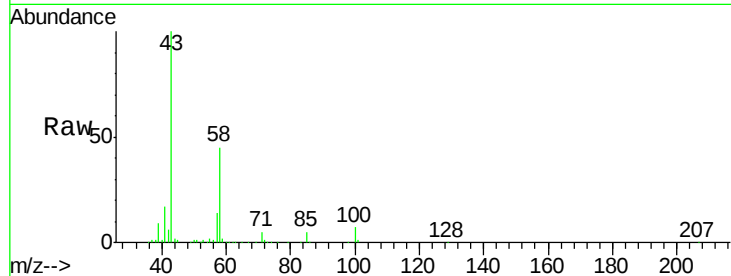
VSTDCCC050

Tot Ion: 43 Resp: 1163770

Ion Ratio Lower Upper

43 100

58 44.7 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.78

600000

500000

400000

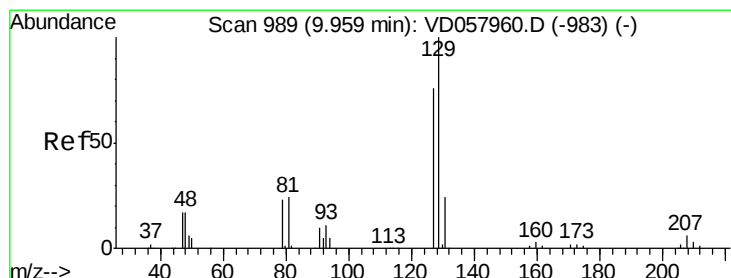
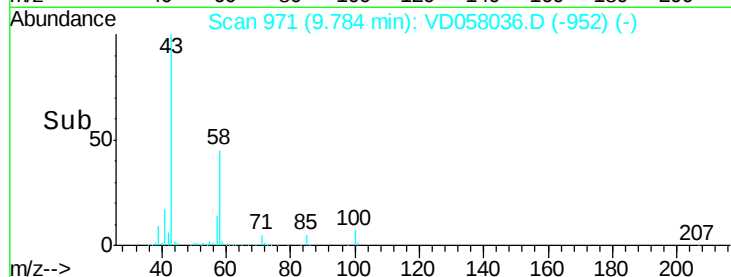
300000

200000

100000

0

Time--> 9.60 9.80



#60

Dibromochloromethane

Concen: 55.43 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD058036.D

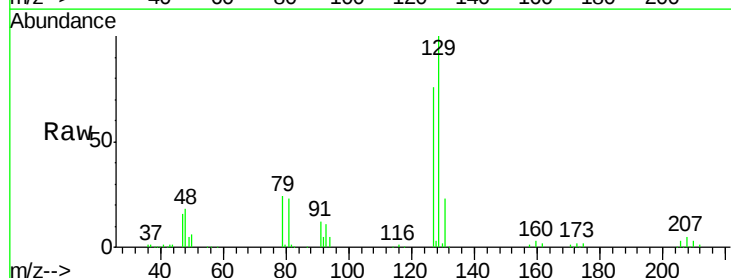
Acq: 9 Jun 2018 1:13

Tgt Ion: 129 Resp: 438989

Ion Ratio Lower Upper

129 100

127 76.2 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.95

250000

200000

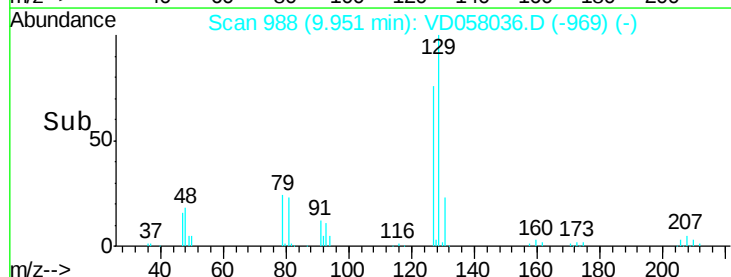
150000

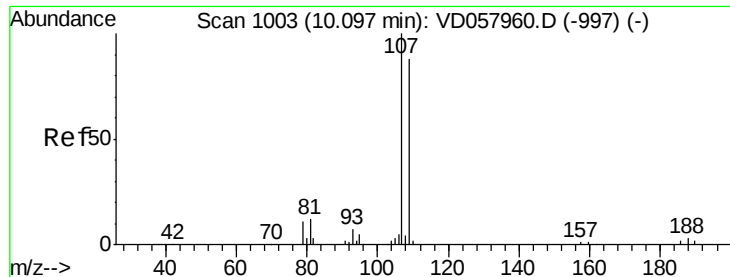
100000

50000

0

Time--> 9.80 9.90 10.00 10.10





#61

1,2-Dibromoethane

Concen: 53.75 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

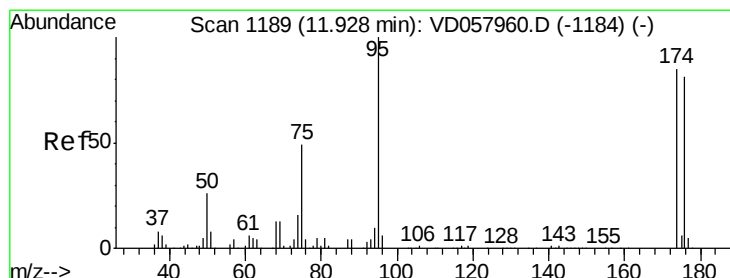
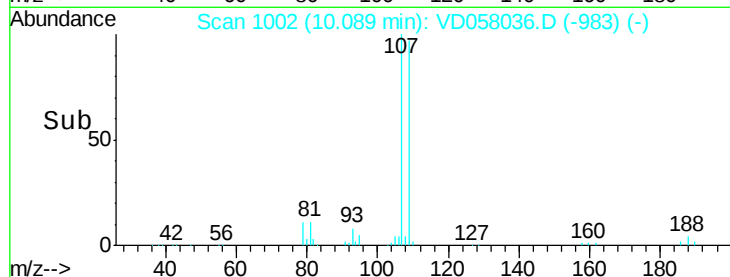
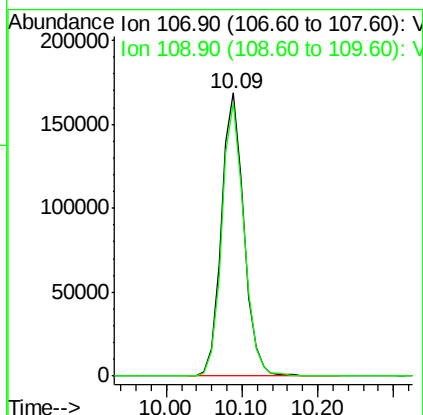
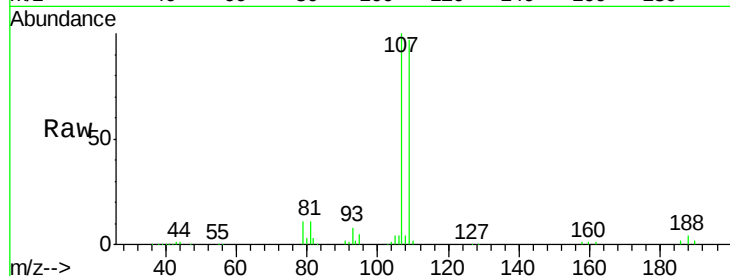
VSTDCCC050

Tot Ion:107 Resp: 347105

Ion Ratio Lower Upper

107 100

109 96.6 70.6 106.0



#62

4-Bromofluorobenzene

Concen: 53.75 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

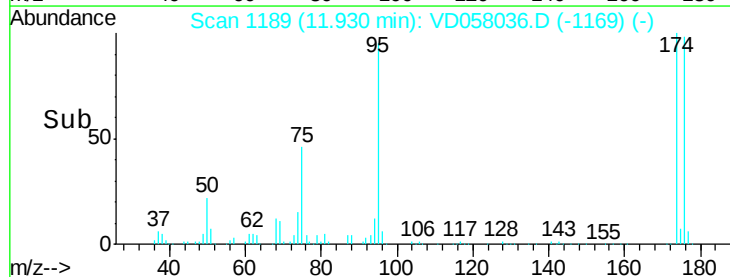
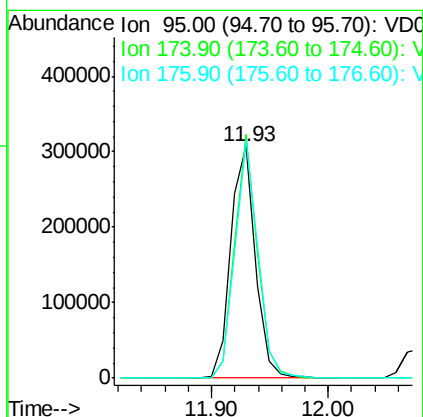
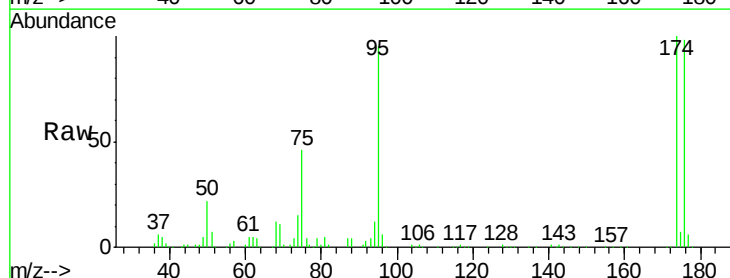
Tgt Ion: 95 Resp: 449575

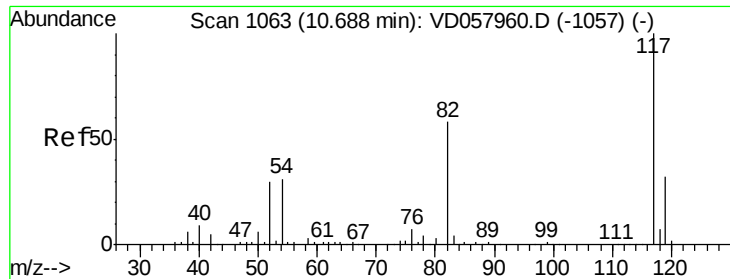
Ion Ratio Lower Upper

95 100

174 105.1 0.0 169.4

176 103.1 0.0 162.6

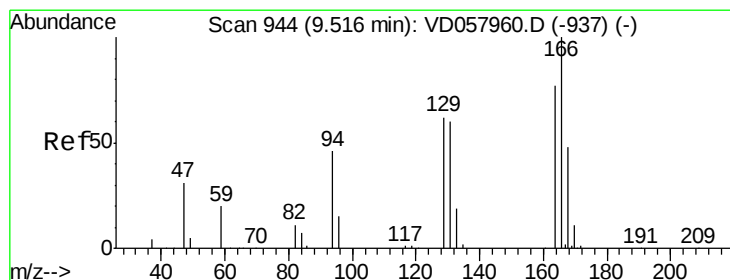
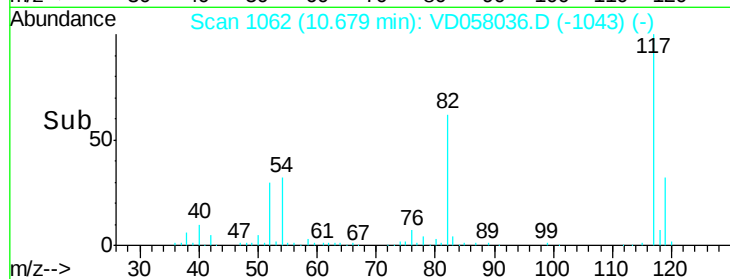
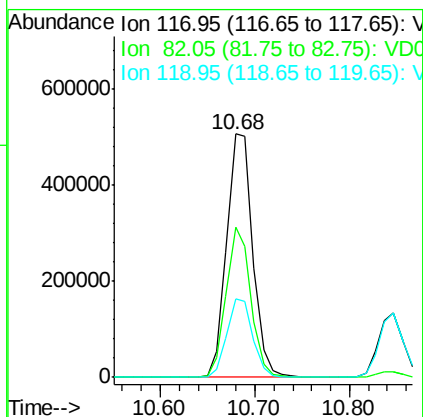
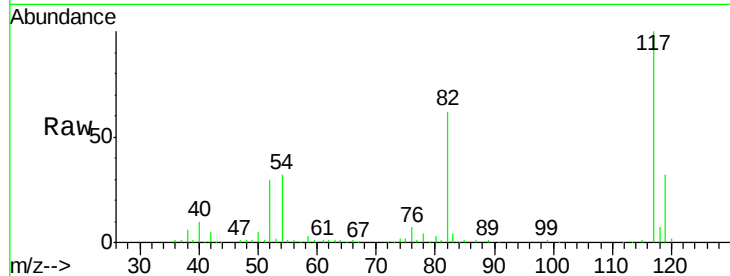




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

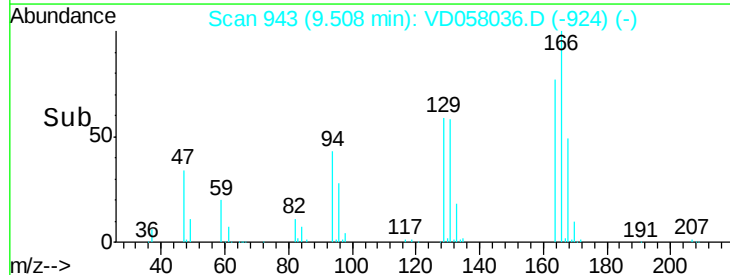
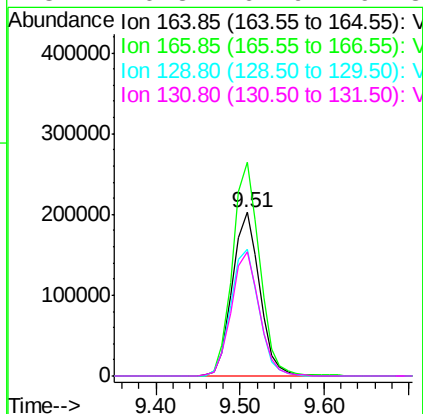
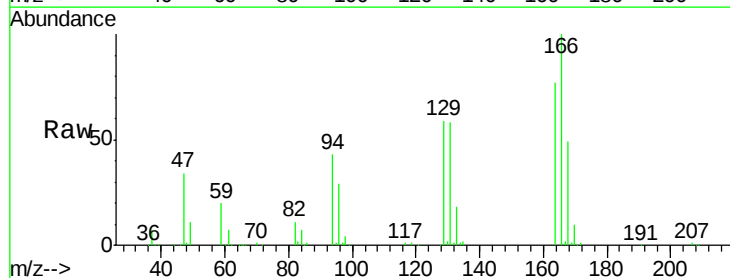
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

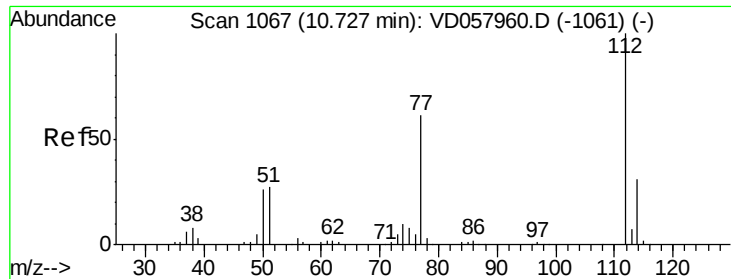
Tot Ion:117 Resp: 969169
Ion Ratio Lower Upper
117 100
82 61.8 46.8 70.2
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 53.17 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion:164 Resp: 460663
Ion Ratio Lower Upper
164 100
166 130.5 104.4 156.6
129 77.5 65.0 97.6
131 76.3 62.9 94.3

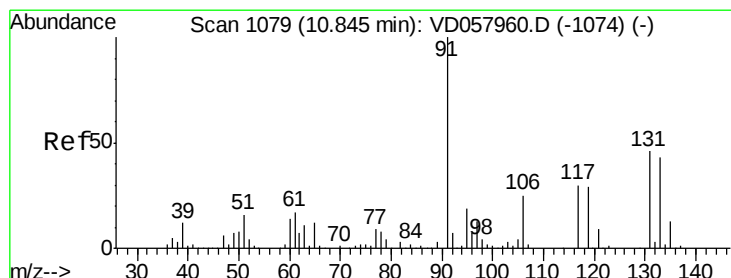
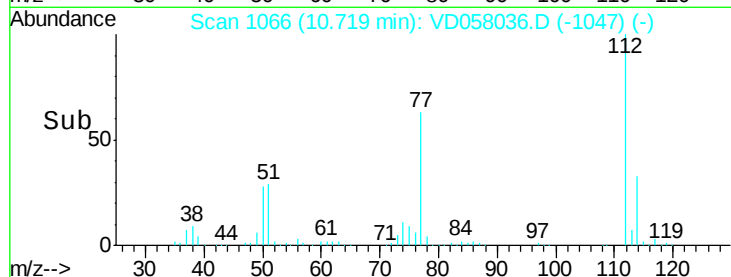
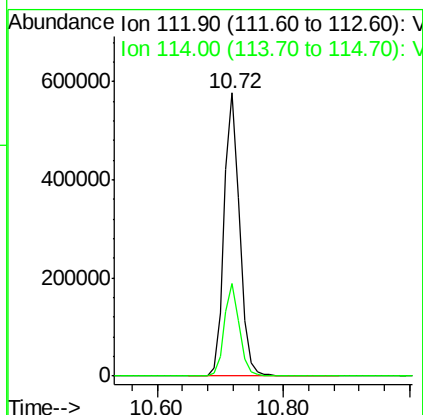
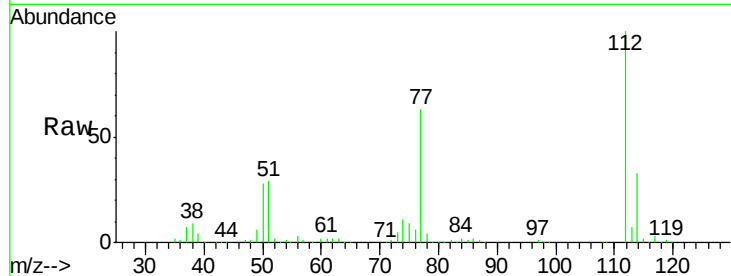




#65
Chlorobenzene
Concen: 50.37 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

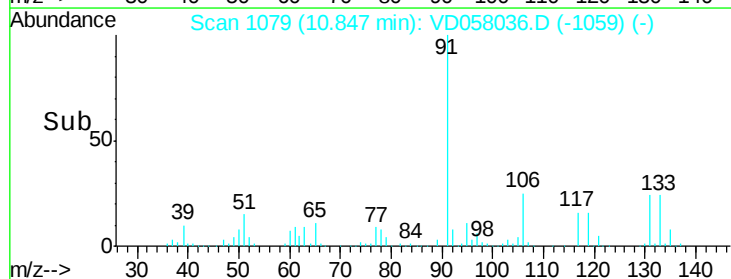
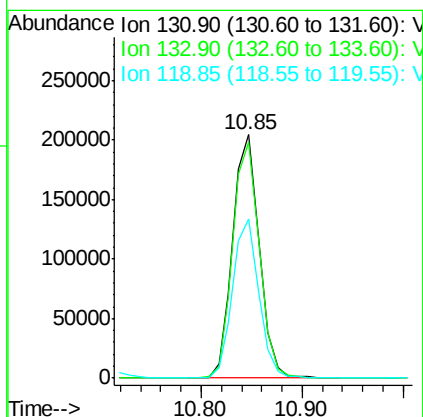
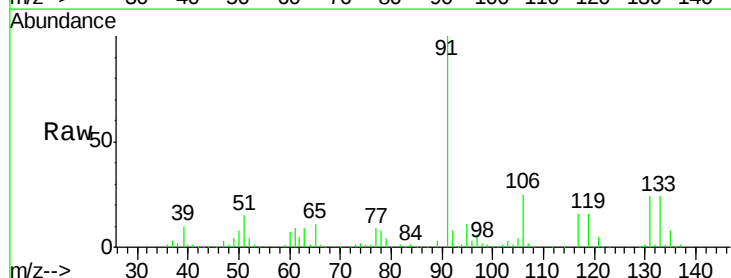
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

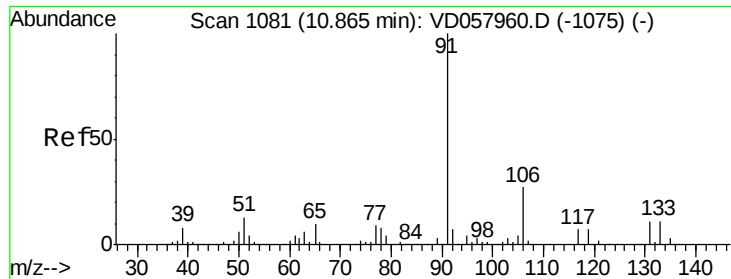
Tot Ion:112 Resp: 988208
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.40 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion:131 Resp: 372348
Ion Ratio Lower Upper
131 100
133 96.8 46.9 140.6
119 65.6 31.8 95.3





#67

Ethyl Benzene

Concen: 47.63 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

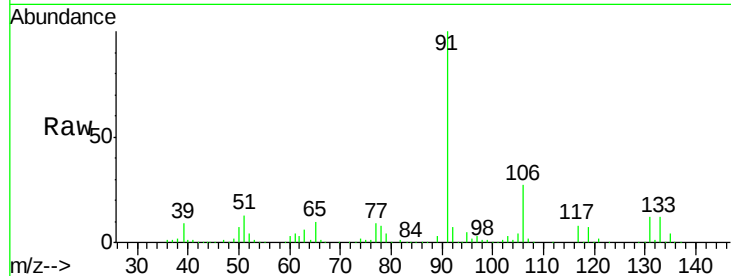
VSTDCCC050

Tot Ion: 91 Resp: 1688170

Ion Ratio Lower Upper

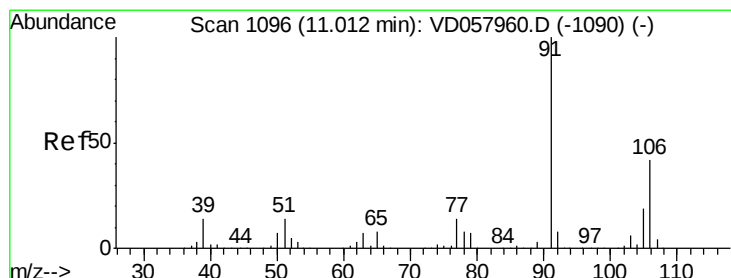
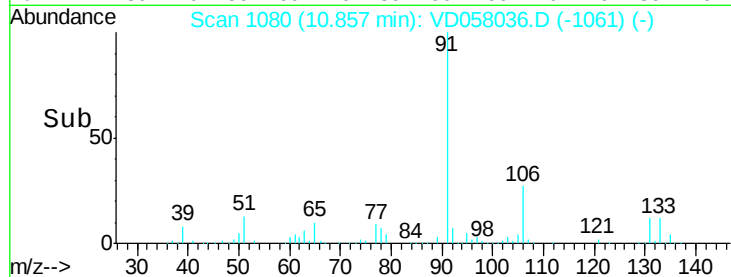
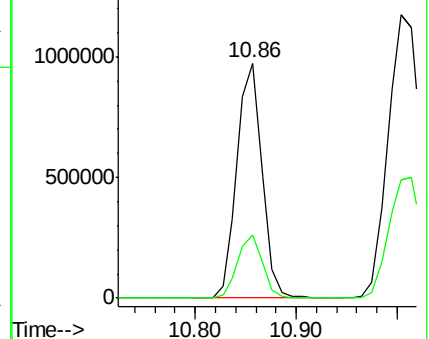
91 100

106 26.9 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 98.42 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD058036.D

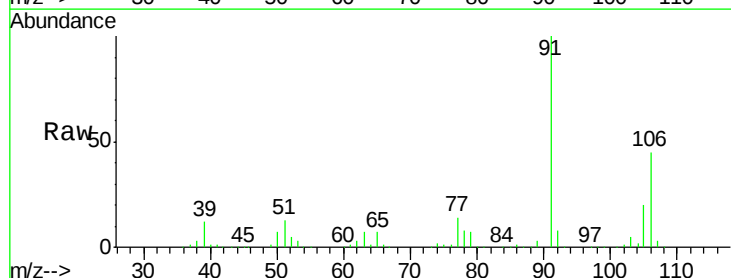
Acq: 9 Jun 2018 1:13

Tgt Ion: 106 Resp: 1137261

Ion Ratio Lower Upper

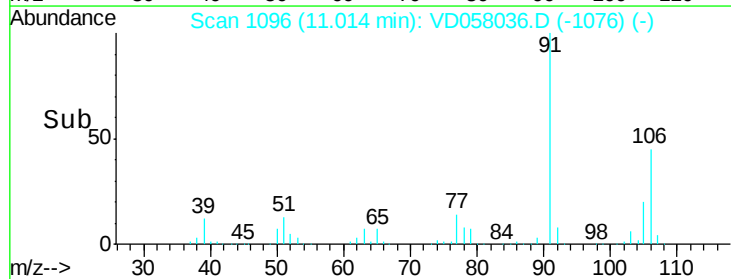
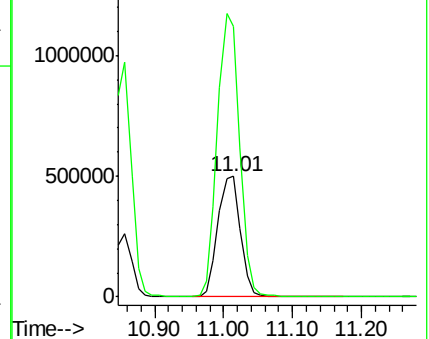
106 100

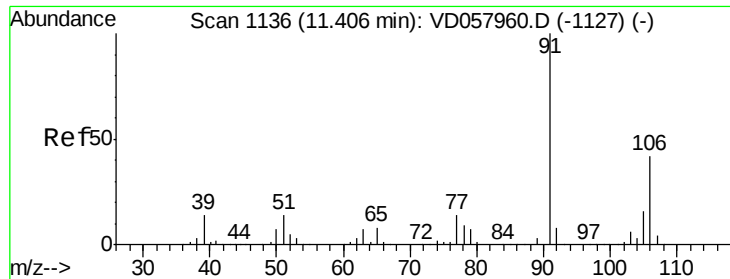
91 224.4 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

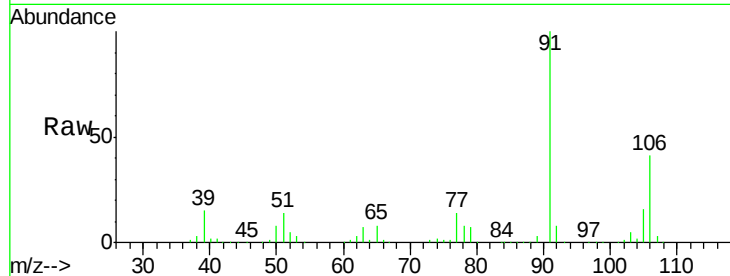




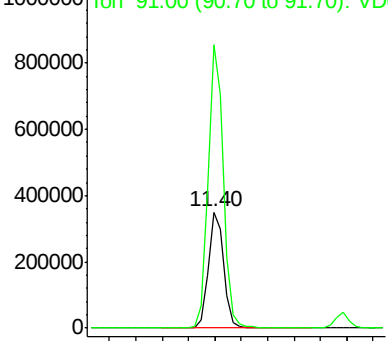
#69
o-Xylene
Concen: 49.64 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

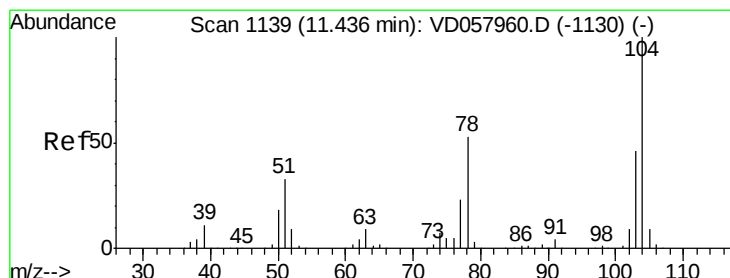
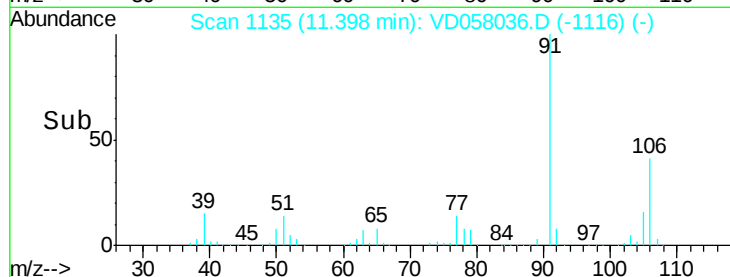
Tot Ion:106 Resp: 569398
Ion Ratio Lower Upper
106 100
91 244.4 120.6 361.7



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

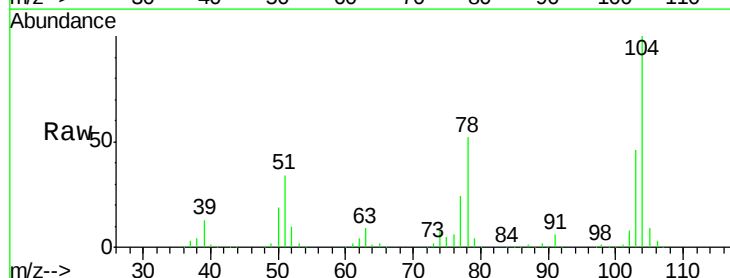


Time-->

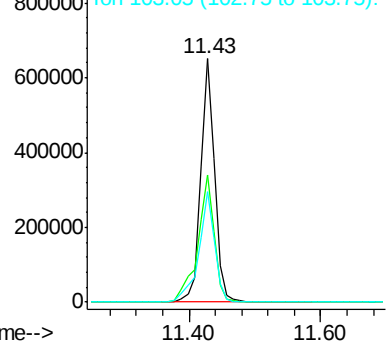


#70
Styrene
Concen: 50.67 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

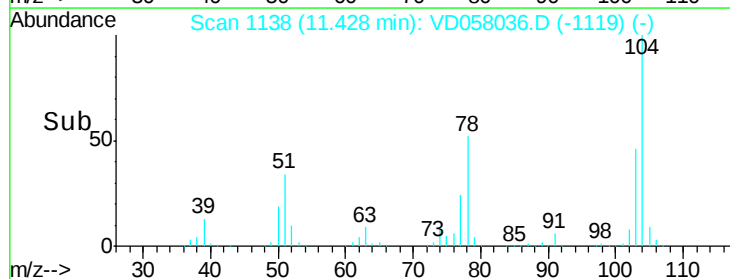
Tgt Ion:104 Resp: 962109
Ion Ratio Lower Upper
104 100
78 52.4 42.1 63.1
103 45.6 37.0 55.6



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



Time-->

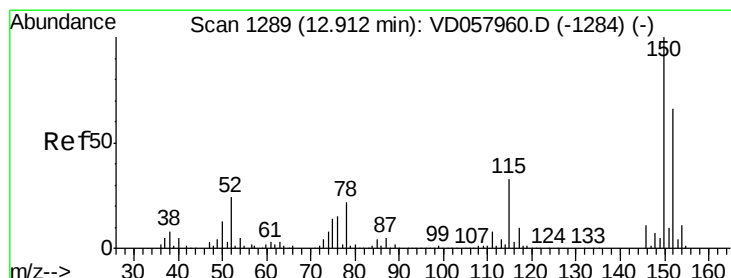
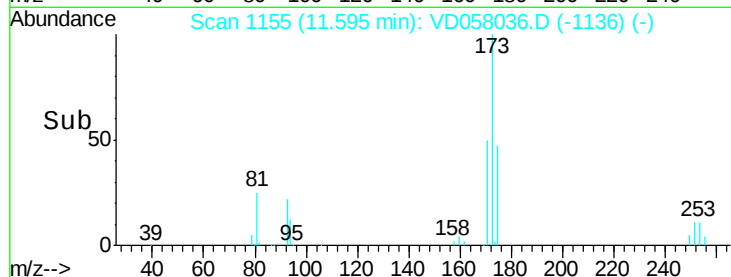
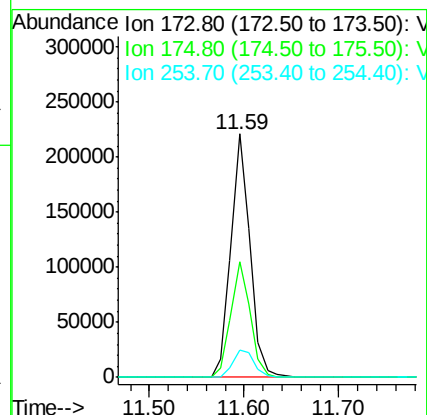
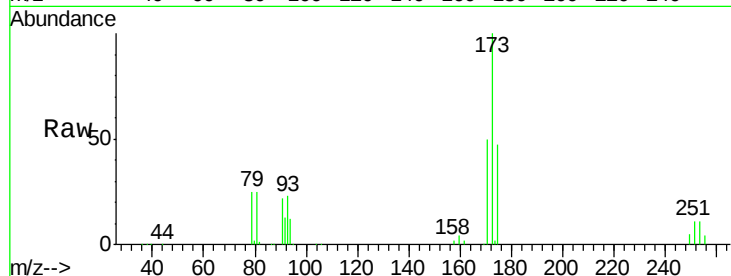




#71
Bromoform
Concen: 54.39 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

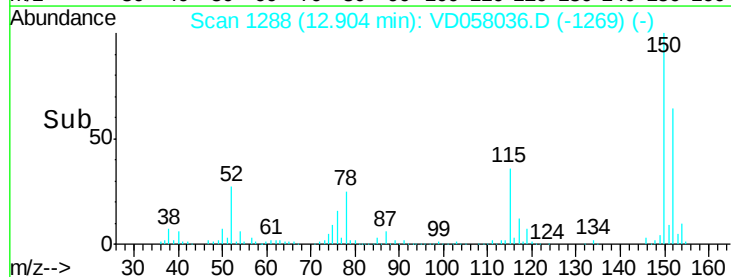
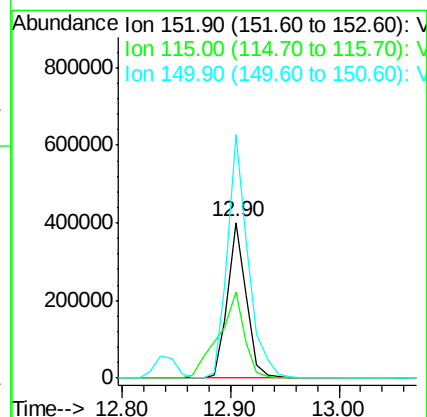
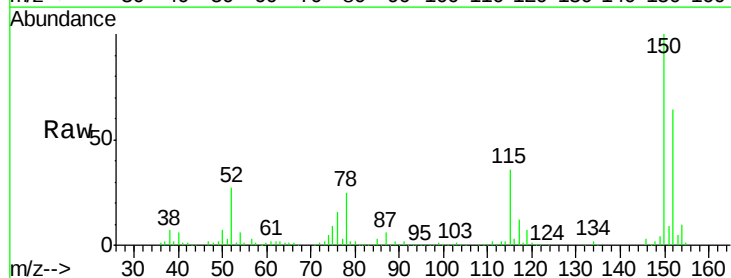
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

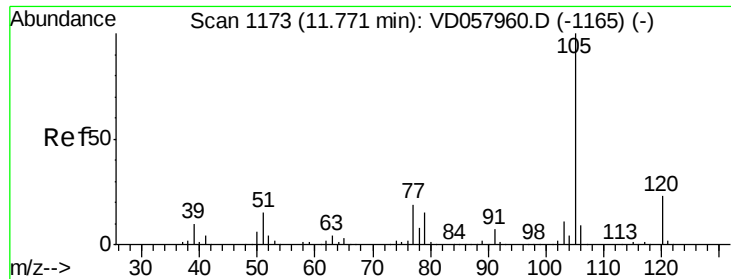
Tot Ion:173 Resp: 308413
Ion Ratio Lower Upper
173 100
175 47.5 25.1 75.2
254 11.2 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion:152 Resp: 482710
Ion Ratio Lower Upper
152 100
115 55.6 25.6 76.6
150 156.3 0.0 306.8





#73

Isopropylbenzene

Concen: 50.28 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

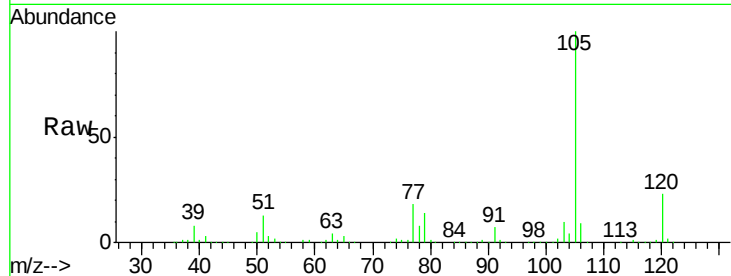
VSTDCCC050

Tot Ion:105 Resp: 1607516

Ion Ratio Lower Upper

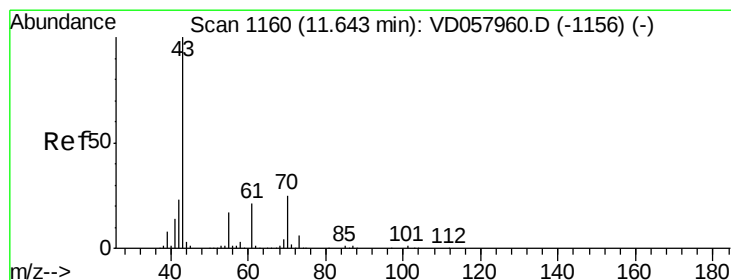
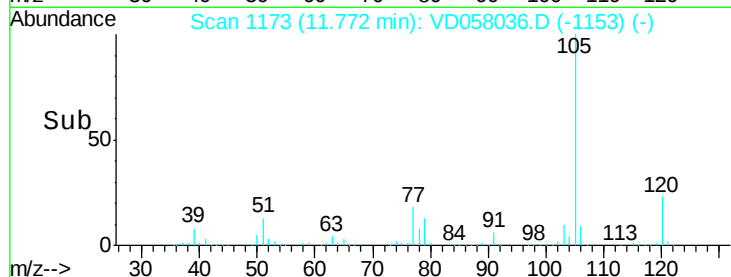
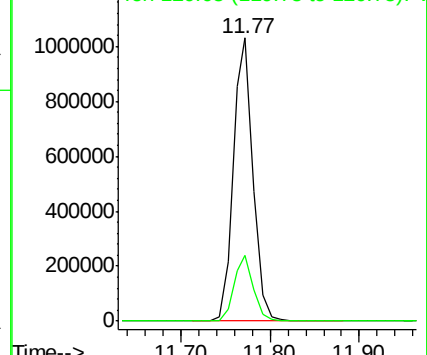
105 100

120 23.2 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.92 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Tgt Ion: 43 Resp: 640523

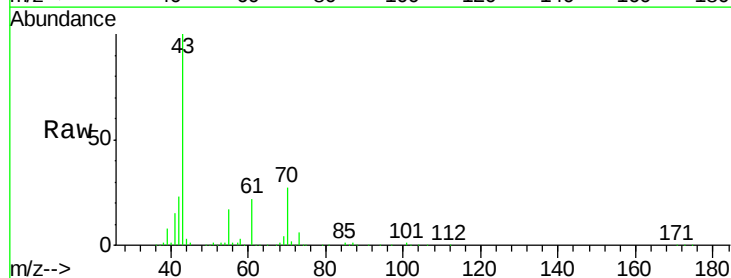
Ion Ratio Lower Upper

43 100

70 27.3 20.3 30.5

55 16.8 13.9 20.9

61 21.8 16.6 24.8

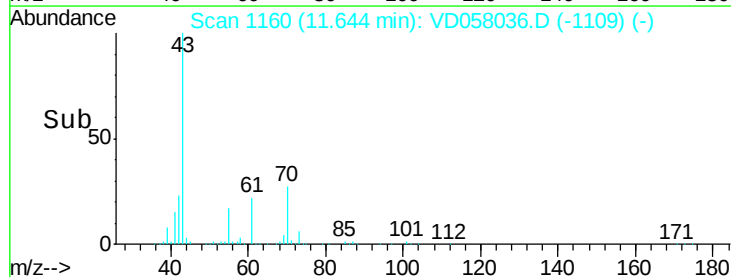
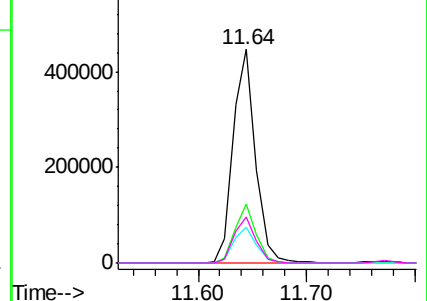


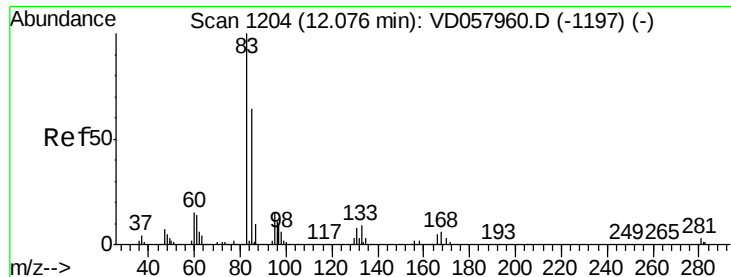
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.21 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

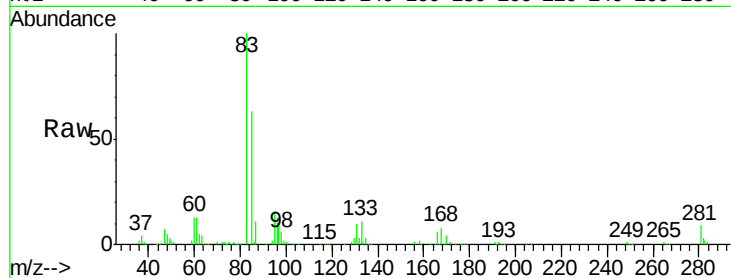
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 370937

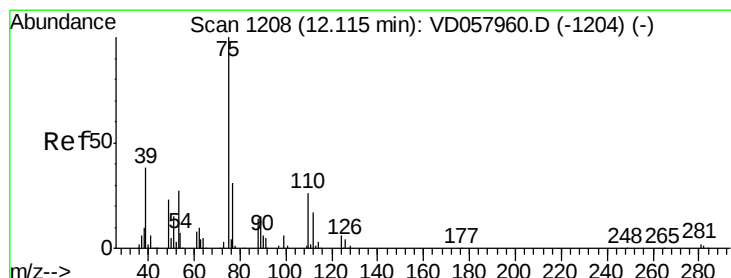
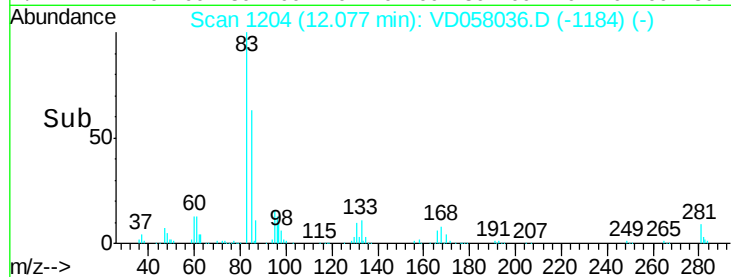
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.2	12.6
85	63.4	31.9	95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.67 ug/l

RT: 12.11 min Scan# 1207

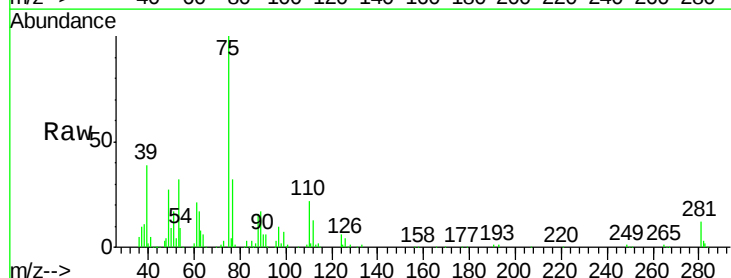
Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

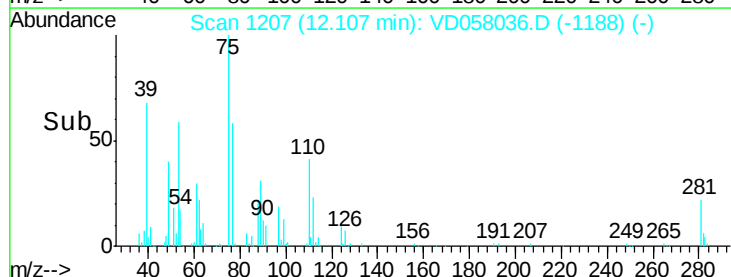
Tgt Ion: 75 Resp: 381898

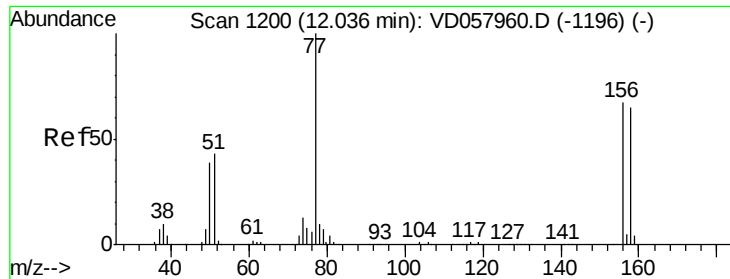
Ion	Ratio	Lower	Upper
75	100		
77	31.9	16.7	50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.03 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

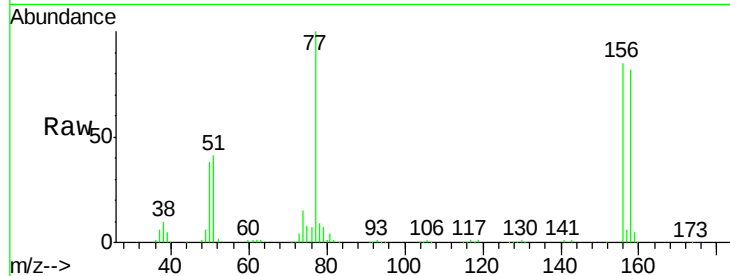
Tot Ion:156 Resp: 492403

Ion Ratio Lower Upper

156 100

77 117.3 75.0 224.8

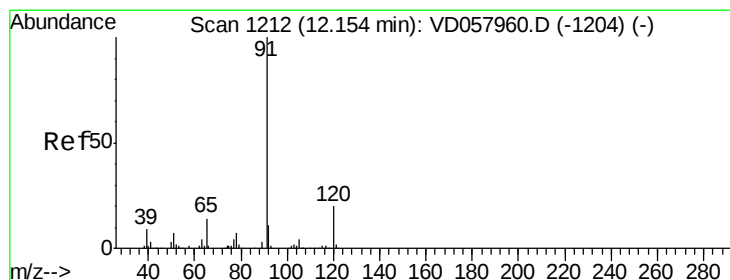
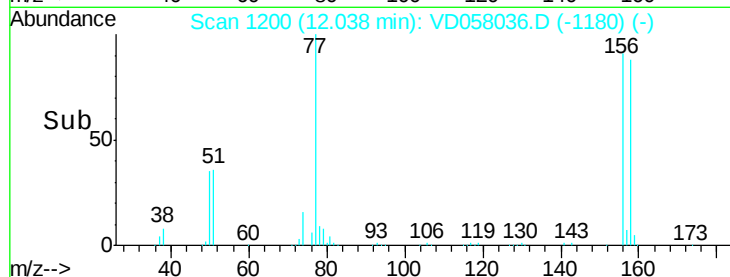
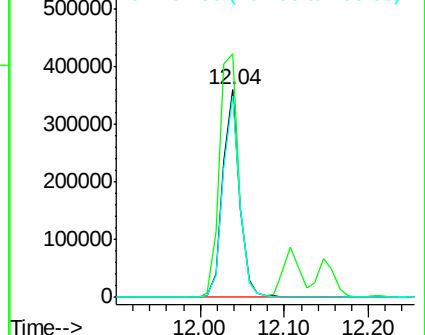
158 96.7 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.36 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058036.D

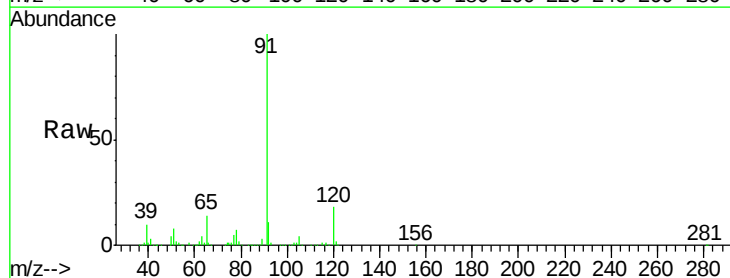
Acq: 9 Jun 2018 1:13

Tgt Ion: 91 Resp: 2053544

Ion Ratio Lower Upper

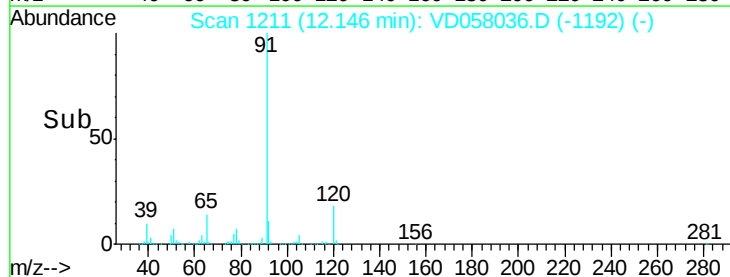
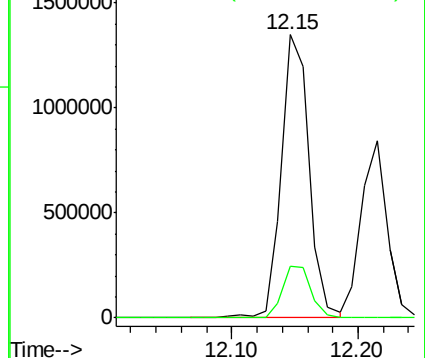
91 100

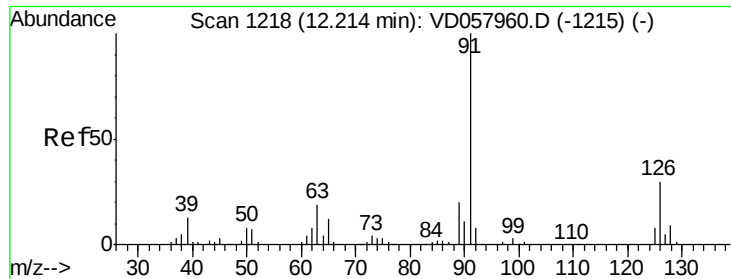
120 18.1 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

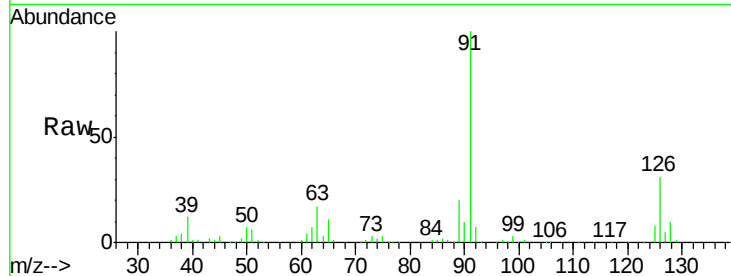




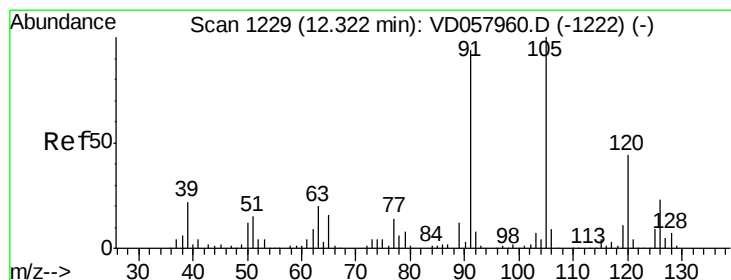
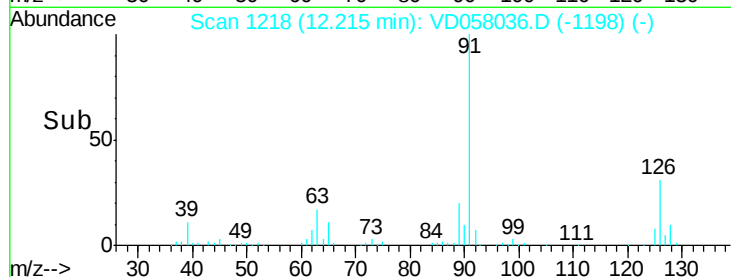
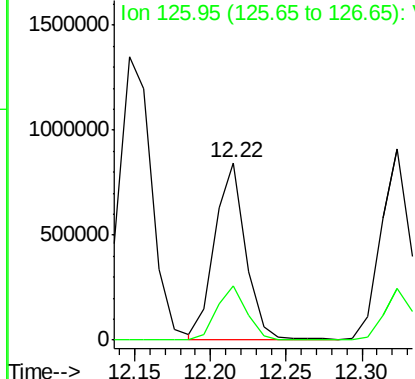
#79
 2-Chlorotoluene
 Concen: 50.35 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1194994
 Ion Ratio Lower Upper
 91 100
 126 30.9 14.6 44.0

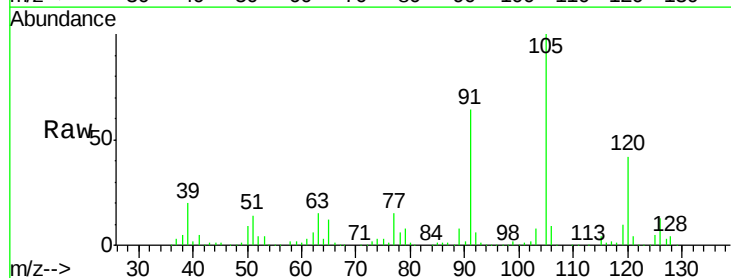


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

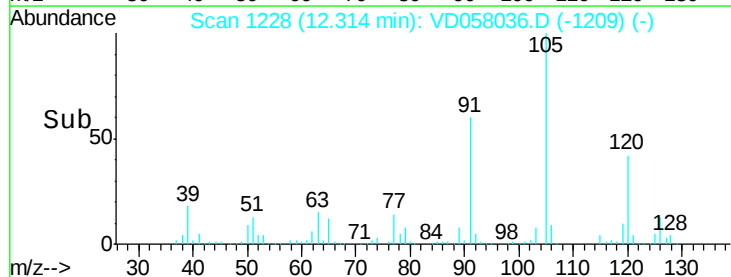
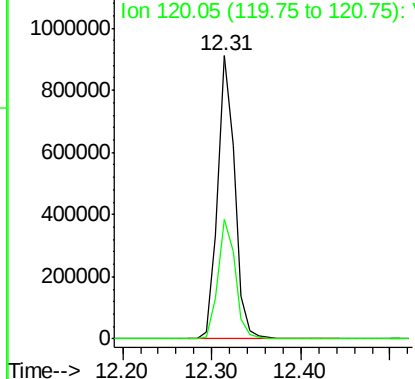


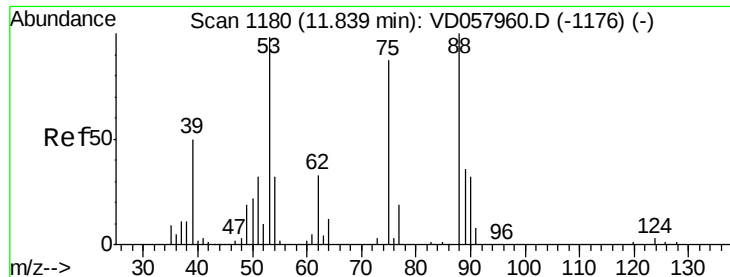
#80
 1,3,5-Trimethylbenzene
 Concen: 48.87 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Tgt Ion: 105 Resp: 1218588
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.0 66.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 55.06 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

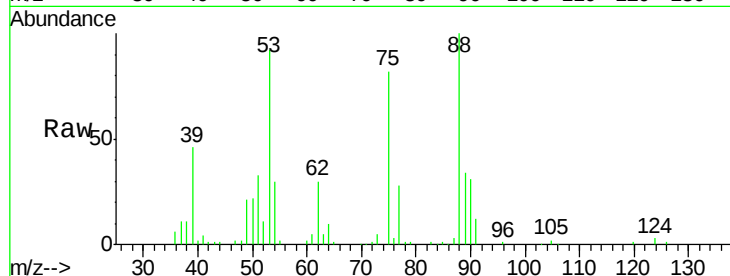
Tot Ion: 75 Resp: 98892

Ion Ratio Lower Upper

75 100

53 112.7 89.3 133.9

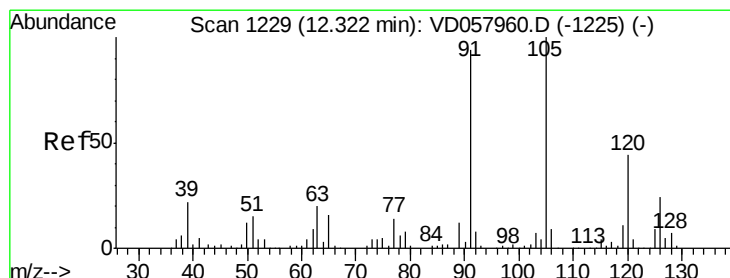
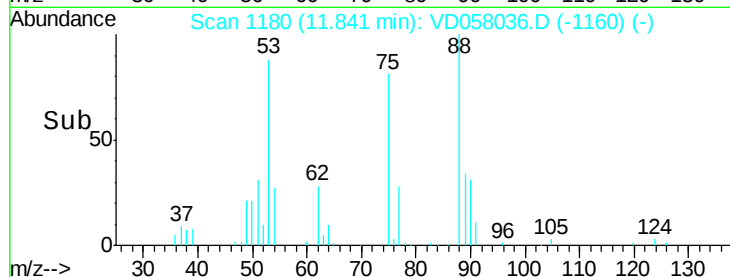
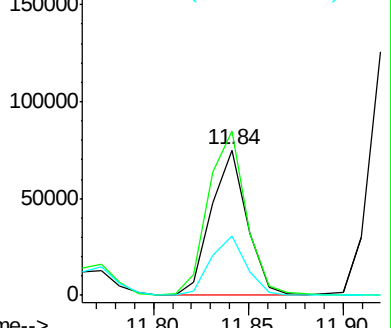
89 40.9 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 54.14 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058036.D

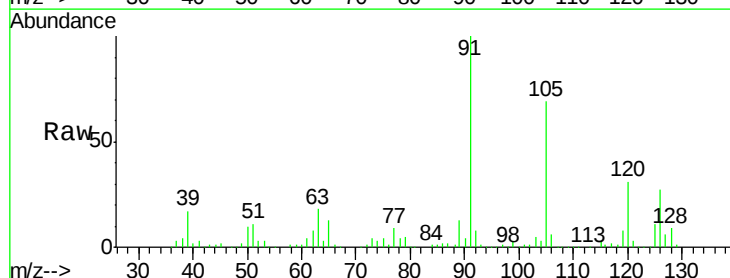
Acq: 9 Jun 2018 1:13

Tgt Ion: 91 Resp: 1243649

Ion Ratio Lower Upper

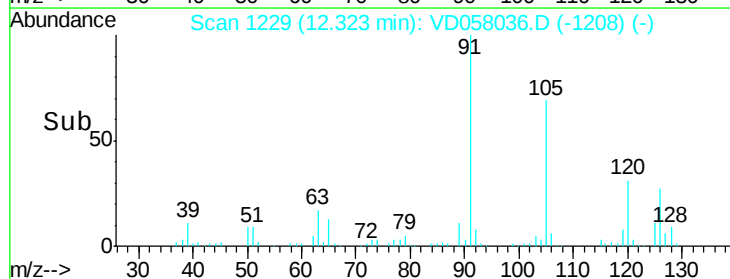
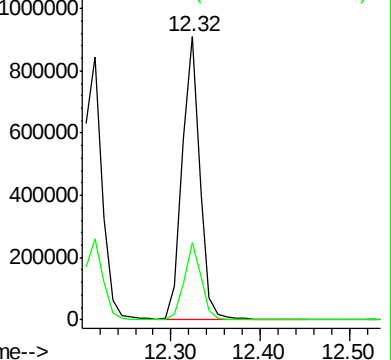
91 100

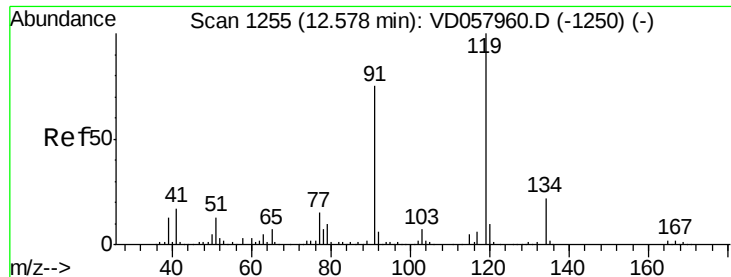
126 27.3 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

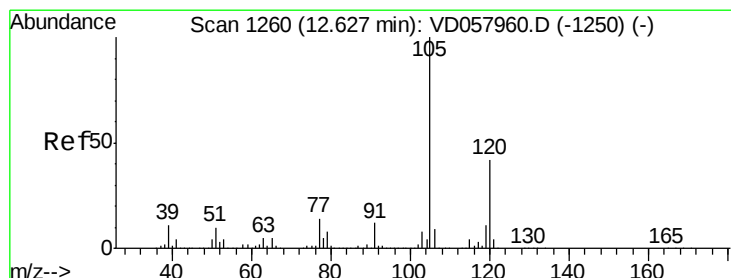
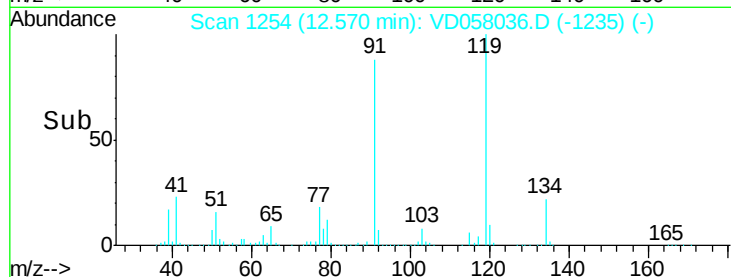
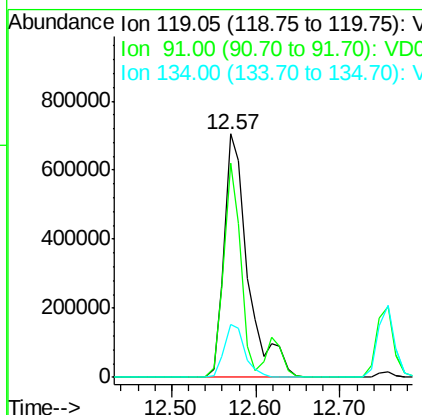
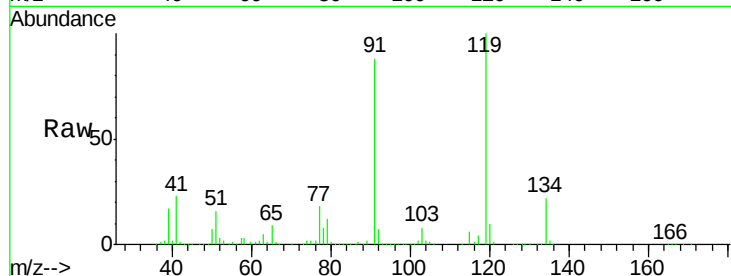




#83
 tert-Butylbenzene
 Concen: 49.49 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

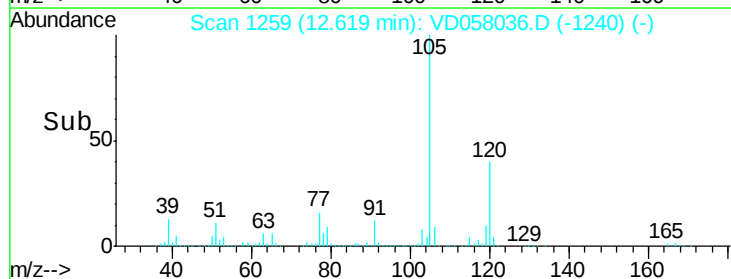
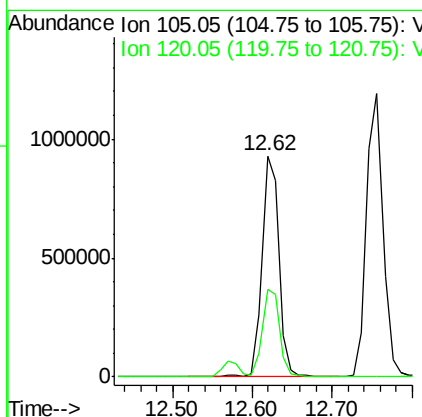
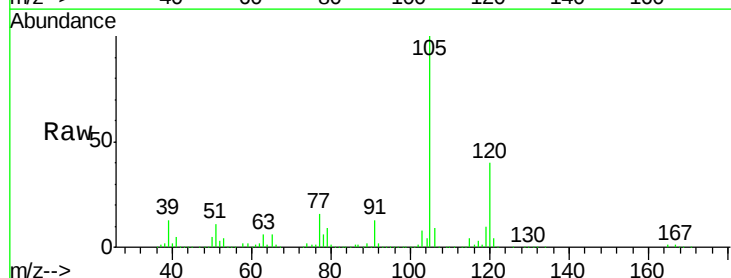
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

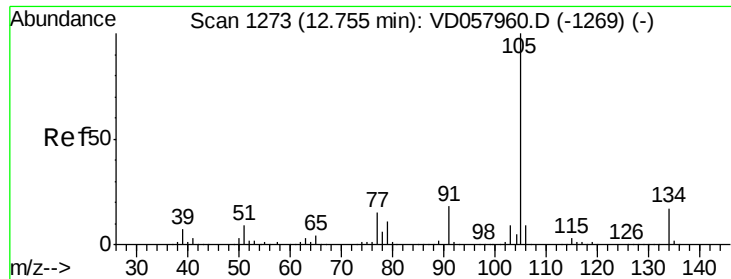
Tot Ion:119 Resp: 1393426
 Ion Ratio Lower Upper
 119 100
 91 88.1 37.6 112.9
 134 21.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 50.04 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Tgt Ion:105 Resp: 1341609
 Ion Ratio Lower Upper
 105 100
 120 39.7 21.2 63.6





#85

sec-Butylbenzene

Concen: 49.60 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

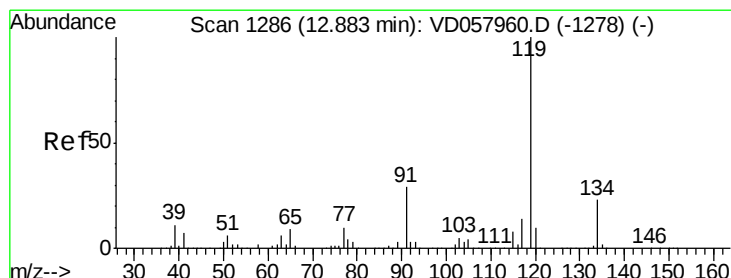
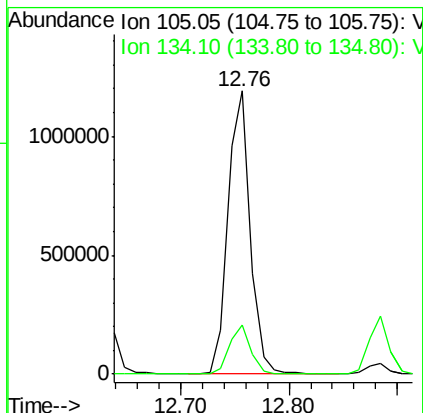
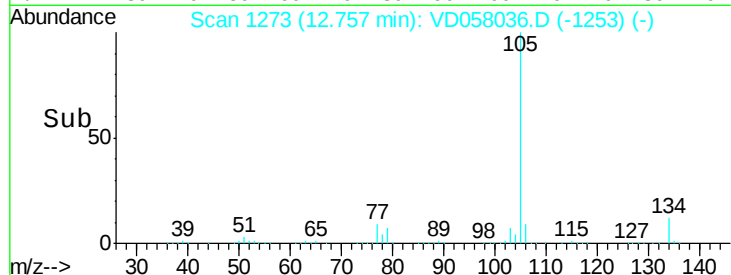
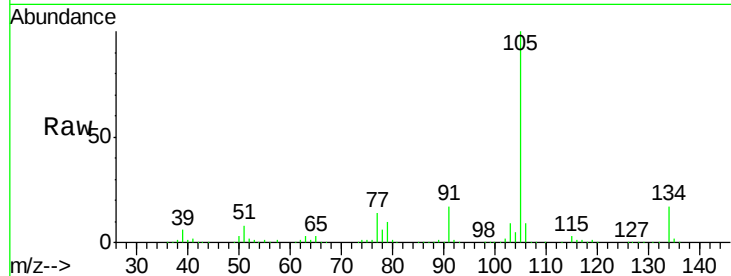
VSTDCCC050

Tot Ion:105 Resp: 1685457

Ion Ratio Lower Upper

105 100

134 17.5 8.3 25.1



#86

p-Isopropyltoluene

Concen: 48.23 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

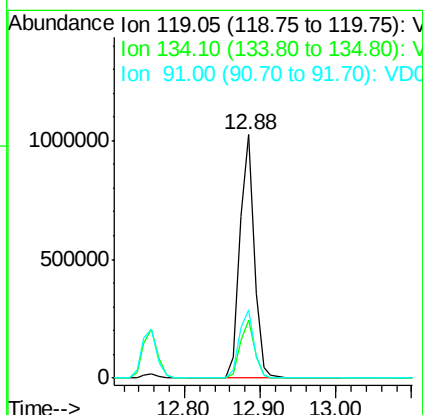
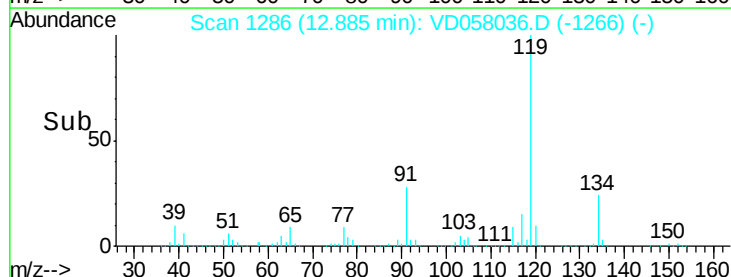
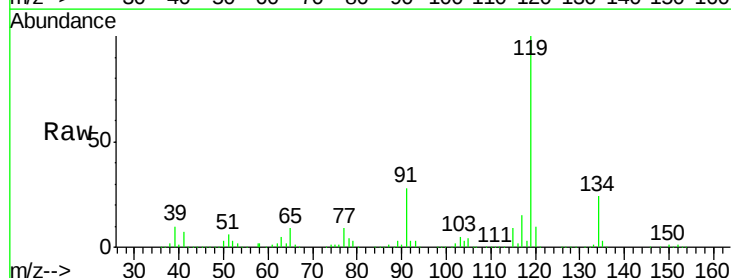
Tgt Ion:119 Resp: 1320946

Ion Ratio Lower Upper

119 100

134 24.0 11.5 34.4

91 28.0 14.5 43.6

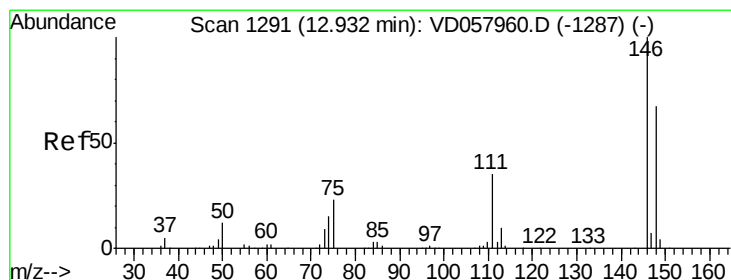
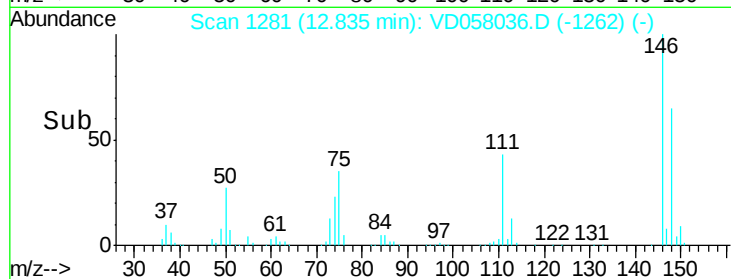
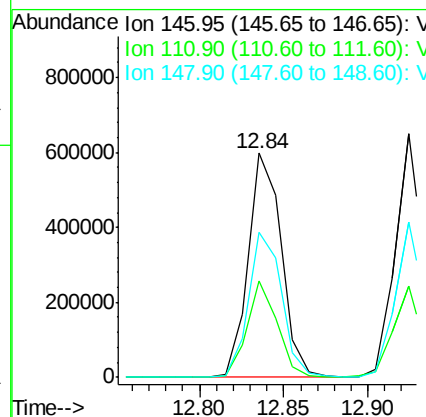
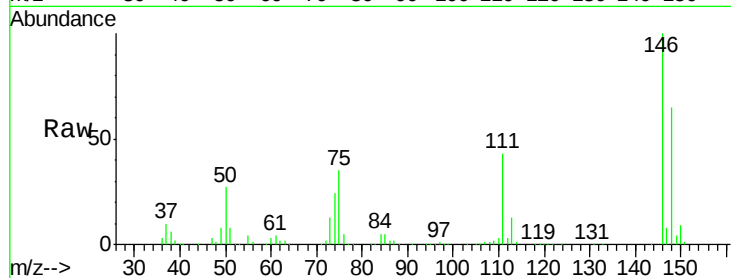




#87
 1,3-Dichlorobenzene
 Concen: 51.21 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

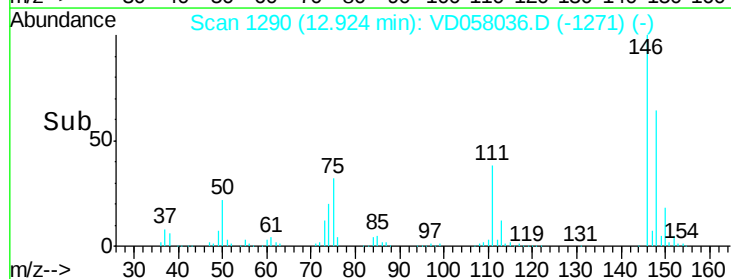
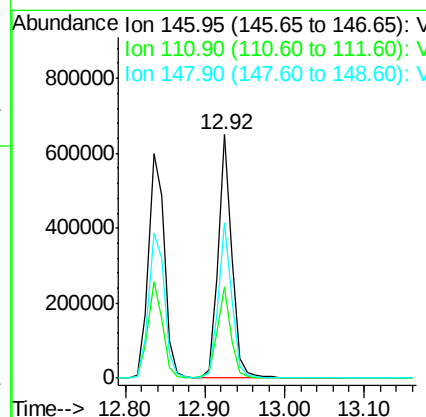
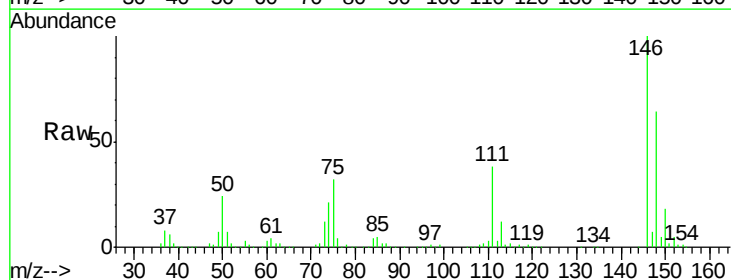
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

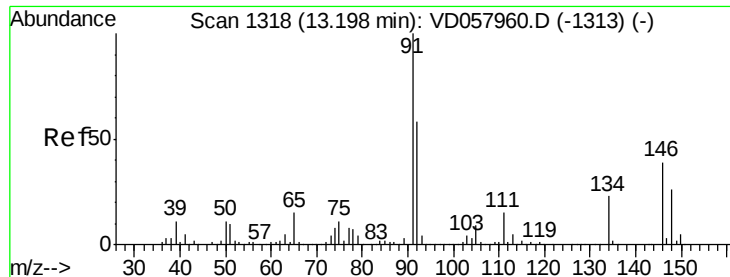
Tot Ion:146 Resp: 819876
 Ion Ratio Lower Upper
 146 100
 111 42.8 19.1 57.3
 148 65.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.71 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Tgt Ion:146 Resp: 790919
 Ion Ratio Lower Upper
 146 100
 111 37.6 17.3 52.0
 148 63.9 33.4 100.2

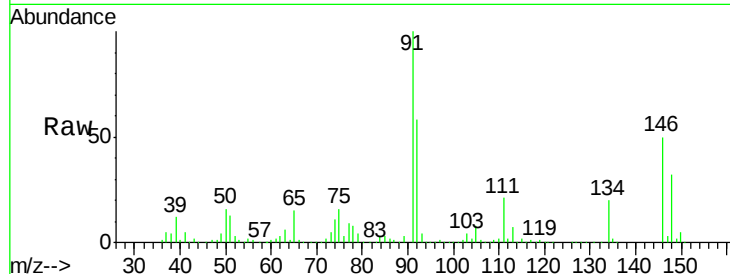




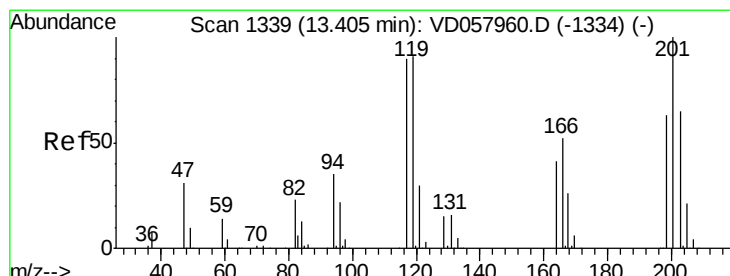
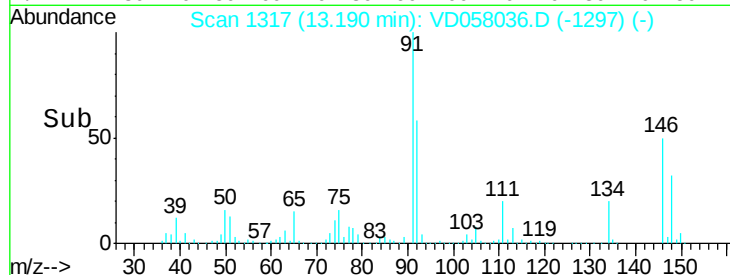
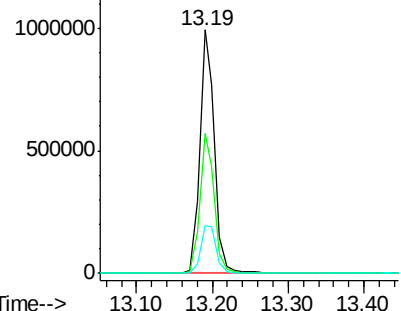
#89
n-Butylbenzene
Concen: 55.35 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1353873
Ion Ratio Lower Upper
91 100
92 57.6 29.2 87.6
134 19.6 11.3 33.9

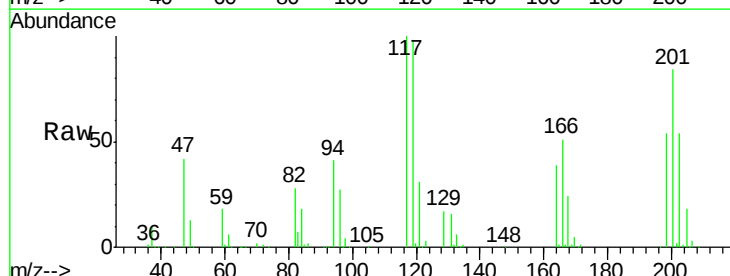


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

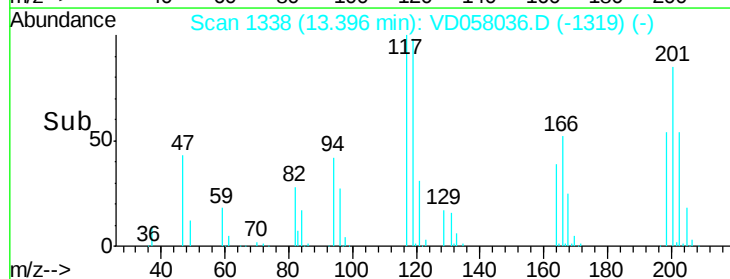
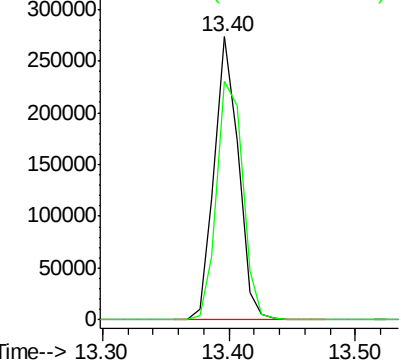


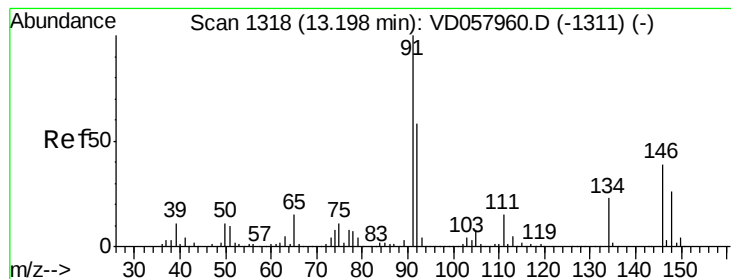
#90
Hexachloroethane
Concen: 51.53 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion: 117 Resp: 360210
Ion Ratio Lower Upper
117 100
201 84.4 55.4 166.0



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





#91

1,2-Dichlorobenzene

Concen: 49.96 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

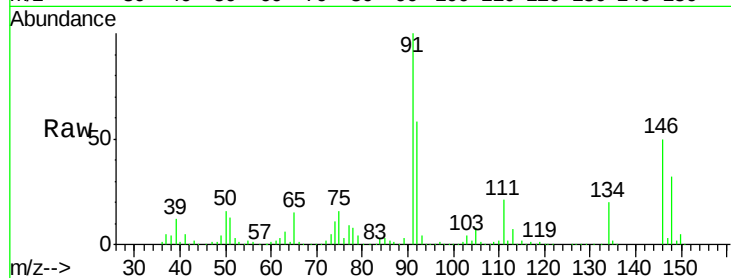
Tot Ion:146 Resp: 646352

Ion Ratio Lower Upper

146 100

111 41.2 19.4 58.2

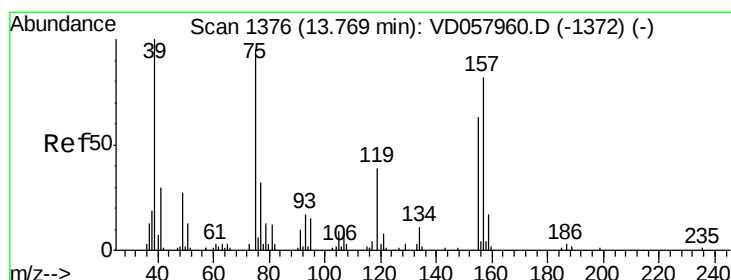
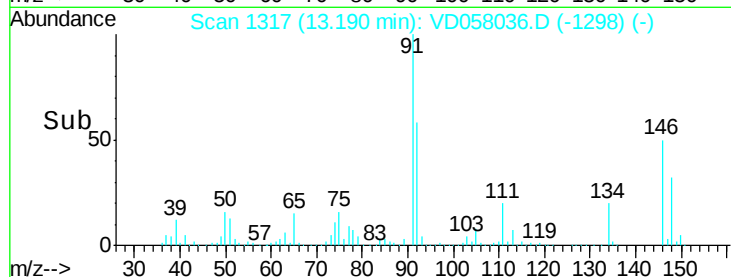
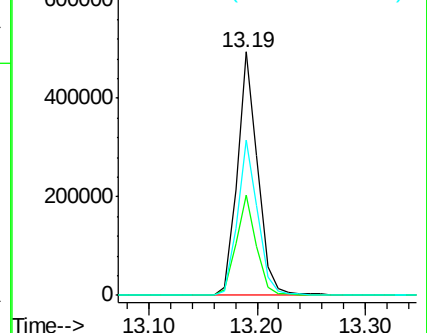
148 63.8 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.33 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VD058036.D

Acq: 9 Jun 2018 1:13

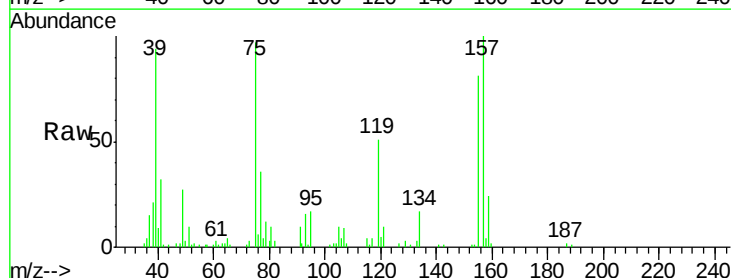
Tgt Ion: 75 Resp: 61674

Ion Ratio Lower Upper

75 100

155 83.7 33.4 100.1

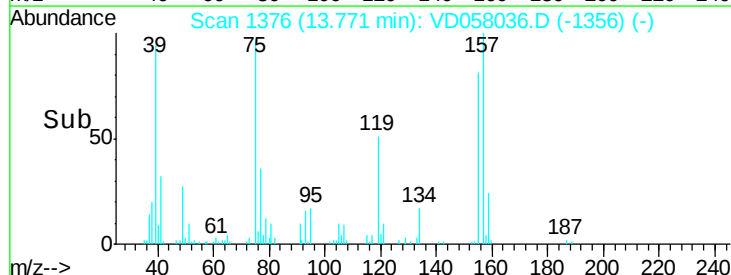
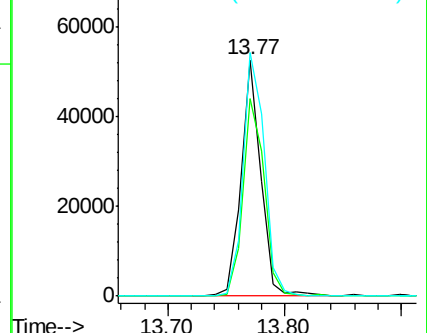
157 103.1 42.9 128.5

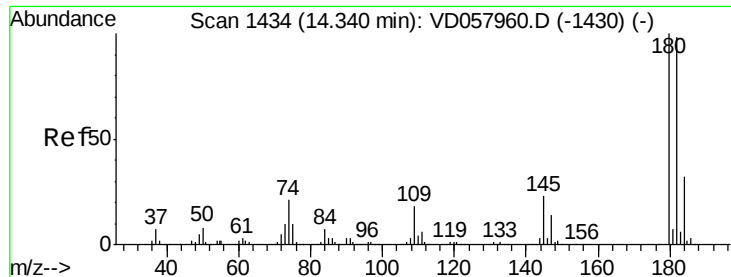


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

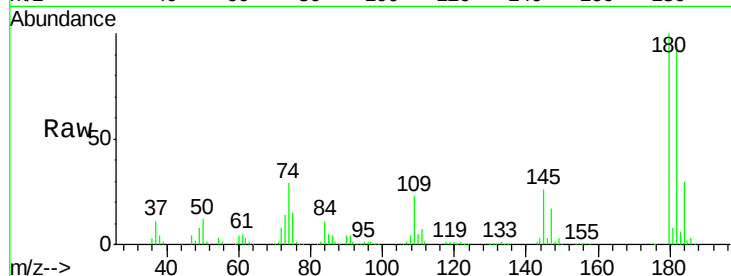




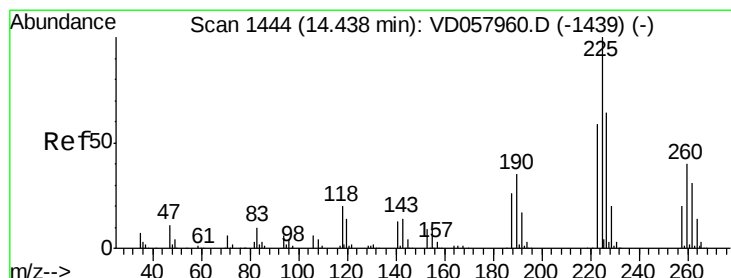
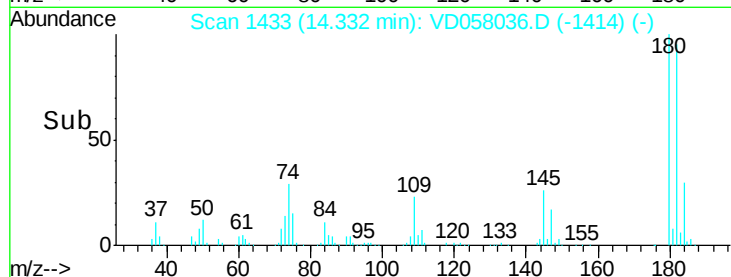
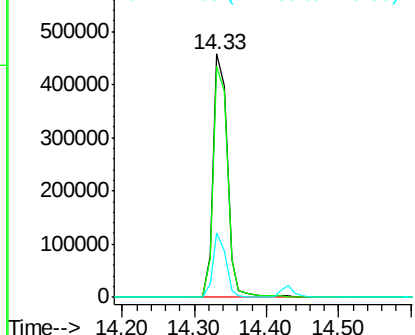
#93
 1,2,4-Trichlorobenzene
 Concen: 51.59 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 623517
 Ion Ratio Lower Upper
 180 100
 182 94.8 49.0 147.2
 145 26.4 11.8 35.3

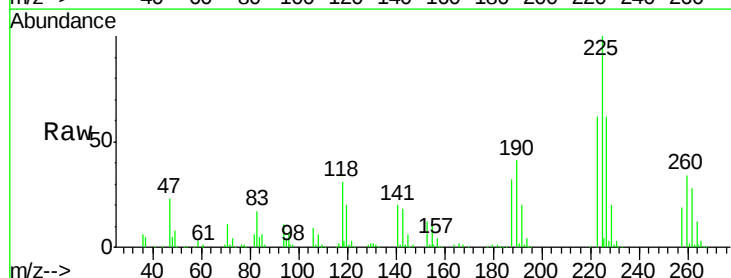


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

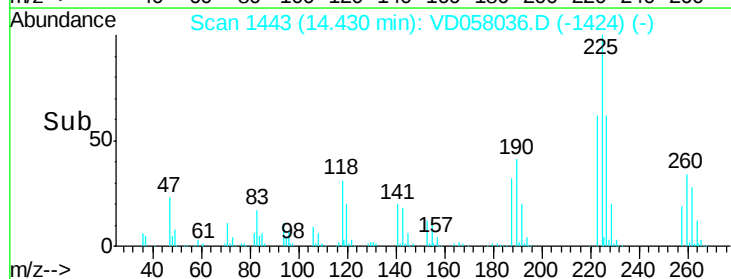
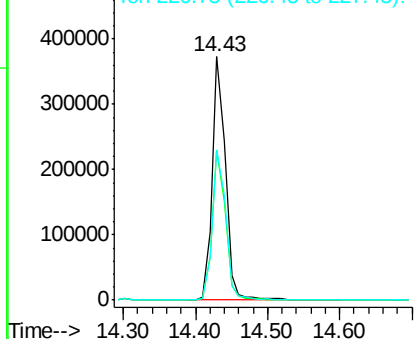


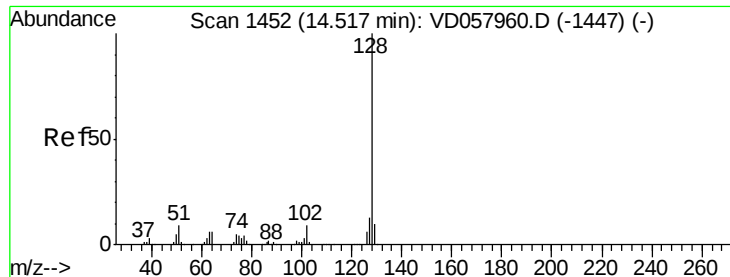
#94
 Hexachlorobutadiene
 Concen: 49.81 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058036.D
 Acq: 9 Jun 2018 1:13

Tgt Ion:225 Resp: 473530
 Ion Ratio Lower Upper
 225 100
 223 61.6 29.5 88.6
 227 61.8 32.0 96.0



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

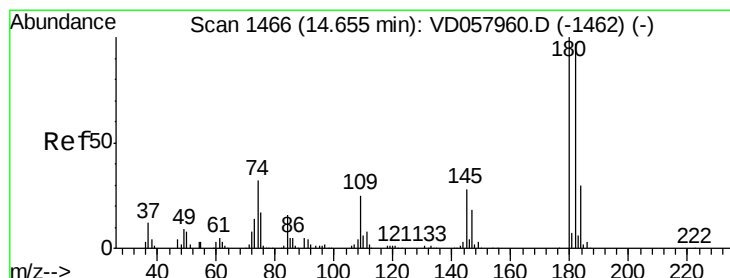
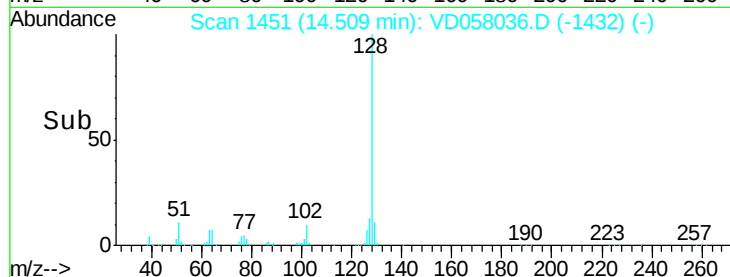
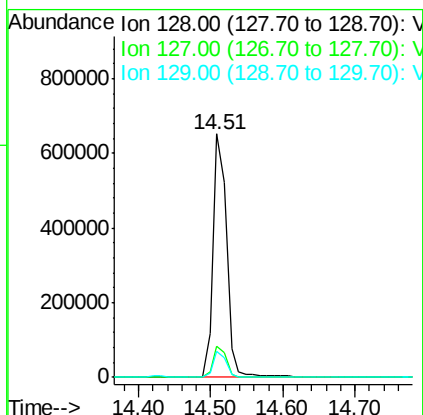
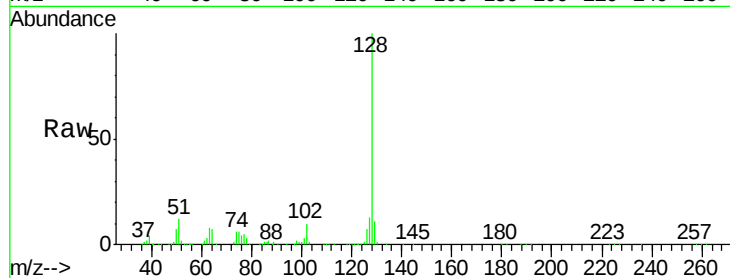




#95
Naphthalene
Concen: 54.13 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 843603
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 50.79 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD058036.D
Acq: 9 Jun 2018 1:13

Tgt Ion:180 Resp: 523223
Ion Ratio Lower Upper
180 100
182 98.8 48.5 145.5
145 25.5 14.2 42.8

