

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059522.D
 Acq On : 3 Jul 2018 1:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 03 09:09:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	644182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	916692	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	720304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	380263	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	421133	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	5.52	113	405738	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	8.69	98	924545	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.92	95	382869	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	487958	59.47	ug/l	97
3) Chloromethane	1.47	50	222050	57.12	ug/l	99
4) Vinyl Chloride	1.53	62	232023	59.83	ug/l	96
5) Bromomethane	1.78	94	91419	62.26	ug/l	96
6) Chloroethane	1.87	64	107285	61.48	ug/l	95
7) Trichlorofluoromethane	2.06	101	373601	58.24	ug/l	98
8) Diethyl Ether	2.32	74	69241	56.37	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.53	101	225380	57.74	ug/l	92
10) Methyl Iodide	2.67	142	242061	62.22	ug/l	96
11) Tert butyl alcohol	3.24	59	76150	273.37	ug/l #	92
12) 1,1-Dichloroethene	2.52	96	172175	57.74	ug/l	90
13) Acrolein	2.45	56	27918	175.90	ug/l	92
14) Allyl chloride	2.90	41	369046	56.06	ug/l	96
15) Acrylonitrile	3.33	53	205615	267.04	ug/l	98
16) Acetone	2.59	43	288794	255.46	ug/l	97
17) Carbon Disulfide	2.73	76	573694	55.22	ug/l	99
18) Methyl Acetate	2.91	43	120113	53.59	ug/l	95
19) Methyl tert-butyl Ether	3.37	73	397533	51.57	ug/l	97
20) Methylene Chloride	3.04	84	174228	39.78	ug/l	91
21) trans-1,2-Dichloroethene	3.35	96	180274	54.74	ug/l	96
22) Diisopropyl ether	4.04	45	1237473	51.55	ug/l	94
23) Vinyl Acetate	3.98	43	3590071	271.06	ug/l	98
24) 1,1-Dichloroethane	3.94	63	737808	54.29	ug/l	99
25) 2-Butanone	4.81	43	599890	255.12	ug/l	99
26) 2,2-Dichloropropane	4.77	77	572309	51.51	ug/l	97
27) cis-1,2-Dichloroethene	4.78	96	389325	54.60	ug/l	93
28) Bromochloromethane	5.12	49	249861	47.93	ug/l	95
29) Tetrahydrofuran	5.17	42	299651	250.24	ug/l	99
30) Chloroform	5.29	83	770443	53.74	ug/l	97
31) Cyclohexane	5.56	56	532090	56.46	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	627725	55.27	ug/l	96
36) 1,1-Dichloropropene	5.72	75	536006	54.45	ug/l	99
37) Ethyl Acetate	4.90	43	305762	55.84	ug/l	96
38) Carbon Tetrachloride	5.70	117	550021	56.84	ug/l	100

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Quant Time: Jul 03 09:09:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	519411	57.93	ug/l	98
40) Benzene	5.98	78	1167378	51.53	ug/l	100
41) Methacrylonitrile	5.10	41	147765	53.20	ug/l	95
42) 1,2-Dichloroethane	6.10	62	570594	56.30	ug/l	98
43) Isopropyl Acetate	7.60	43	409427	56.51	ug/l #	98
44) Trichloroethene	6.96	130	390243	56.75	ug/l	97
45) 1,2-Dichloropropane	7.32	63	347622	54.89	ug/l	94
46) Dibromomethane	7.44	93	236845	55.26	ug/l	92
47) Bromodichloromethane	7.72	83	567747	56.91	ug/l	98
48) Methyl methacrylate	7.48	41	252534	55.89	ug/l	93
49) 1,4-Dioxane	7.47	88	47843	1136.28	ug/l	95
51) 4-Methyl-2-Pentanone	8.58	43	1275614	269.60	ug/l	99
52) Toluene	8.78	92	668812	53.48	ug/l	98
53) t-1,3-Dichloropropene	9.16	75	493765	56.83	ug/l	95
54) cis-1,3-Dichloropropene	8.35	75	531780	52.78	ug/l	99
55) 1,1,2-Trichloroethane	9.44	97	248826	54.25	ug/l	96
56) Ethyl methacrylate	9.29	69	313175	54.50	ug/l	95
57) 1,3-Dichloropropane	9.64	76	436772	52.86	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.17	63	724178	260.57	ug/l	95
59) 2-Hexanone	9.76	43	899524	258.48	ug/l	98
60) Dibromochloromethane	9.94	129	363287	56.75	ug/l	97
61) 1,2-Dibromoethane	10.08	107	274613	54.09	ug/l	97
64) Tetrachloroethene	9.50	164	377322	60.90	ug/l	96
65) Chlorobenzene	10.71	112	741874	53.46	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	306864	54.31	ug/l	99
67) Ethyl Benzene	10.85	91	1339806	54.45	ug/l	98
68) m/p-Xylenes	10.99	106	892610	109.96	ug/l	98
69) o-Xylene	11.39	106	421822	53.93	ug/l	96
70) Styrene	11.42	104	695067	53.01	ug/l	98
71) Bromoform	11.58	173	246957	57.90	ug/l	96
73) Isopropylbenzene	11.76	105	1202004	52.90	ug/l	97
74) N-amyl acetate	11.63	43	522303	54.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	302071	51.30	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	323134	52.66	ug/l	99
77) Bromobenzene	12.03	156	381896	53.54	ug/l	99
78) n-propylbenzene	12.15	91	1583773	52.03	ug/l	100
79) 2-Chlorotoluene	12.20	91	984185	54.97	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	947920	51.32	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	76463	46.87	ug/l	90
82) 4-Chlorotoluene	12.31	91	1029569	50.74	ug/l	99
83) tert-Butylbenzene	12.57	119	1112307	52.94	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	1008736	50.84	ug/l	99
85) sec-Butylbenzene	12.75	105	1285482	53.31	ug/l	100
86) p-Isopropyltoluene	12.87	119	1085393	53.66	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	639971	52.41	ug/l	95
88) 1,4-Dichlorobenzene	12.91	146	634019	52.89	ug/l	98
89) n-Butylbenzene	13.19	91	1109767	53.80	ug/l	97
90) Hexachloroethane	13.40	117	302304	57.69	ug/l	68
91) 1,2-Dichlorobenzene	13.18	146	509648	49.61	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.76	75	51876	51.11	ug/l	93

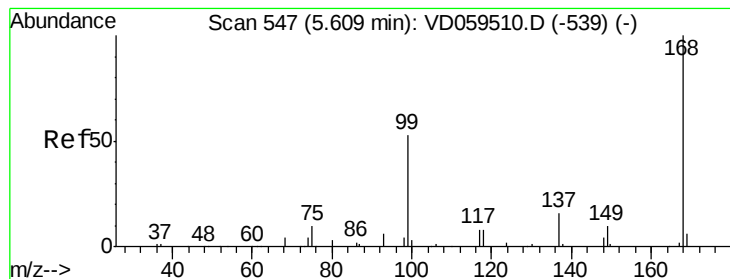
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
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Instrument :
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Quant Time: Jul 03 09:09:18 2018
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Quant Title : SW846 8260
QLast Update : Tue Jul 03 09:04:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	482813	53.03	ug/l	99
94) Hexachlorobutadiene	14.43	225	376374	54.04	ug/l	98
95) Naphthalene	14.51	128	711563	52.54	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	423235	52.86	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

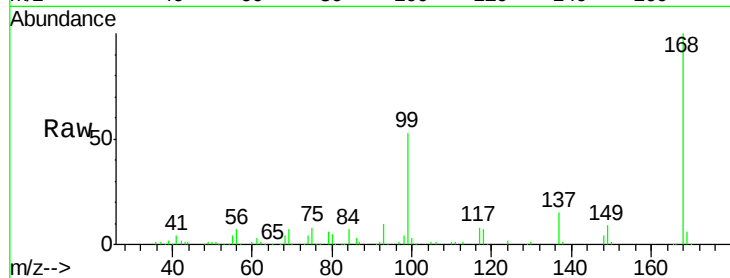
VSTDCCC050EC

Tot Ion:168 Resp: 644182

Ion Ratio Lower Upper

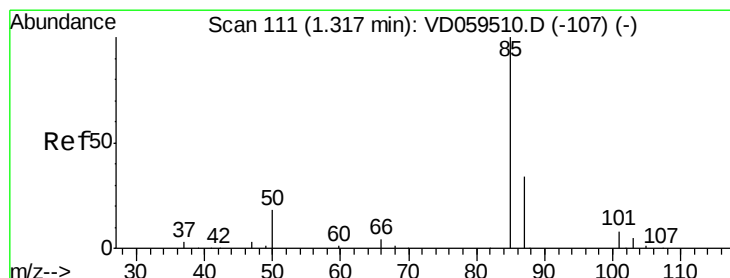
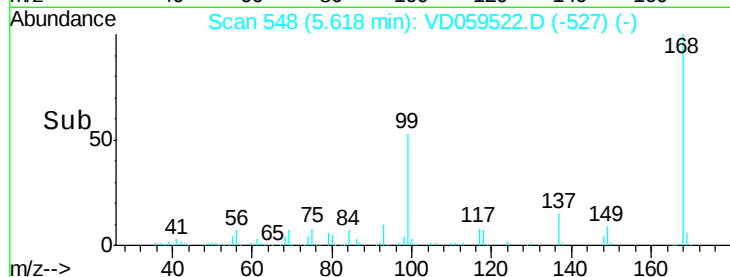
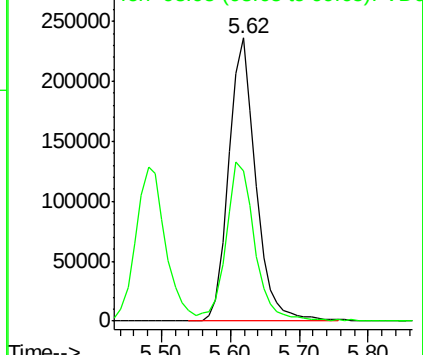
168 100

99 53.0 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 59.47 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD059522.D

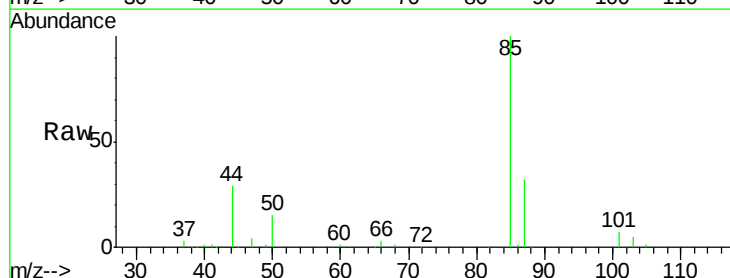
Acq: 3 Jul 2018 1:12

Tgt Ion: 85 Resp: 487958

Ion Ratio Lower Upper

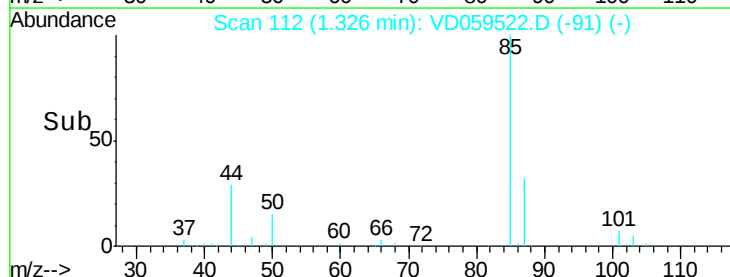
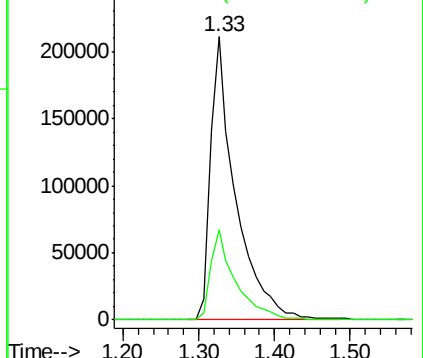
85 100

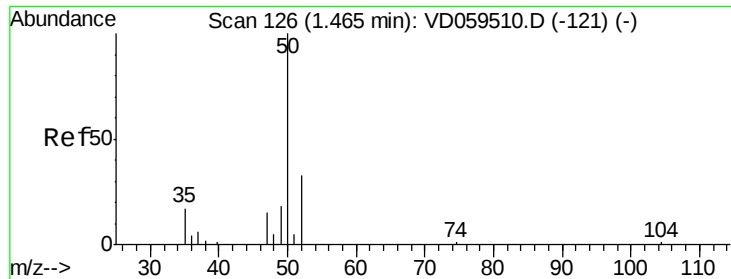
87 31.7 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 57.12 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

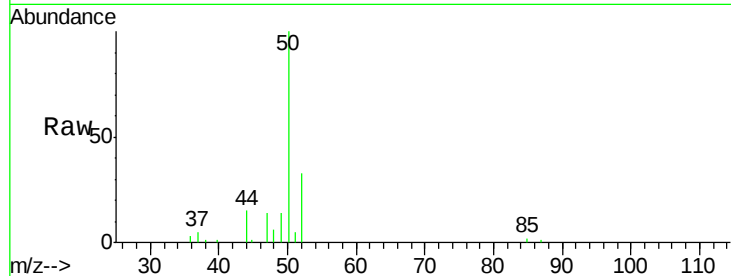
VSTDCCC050EC

Tot Ion: 50 Resp: 222050

Ion Ratio Lower Upper

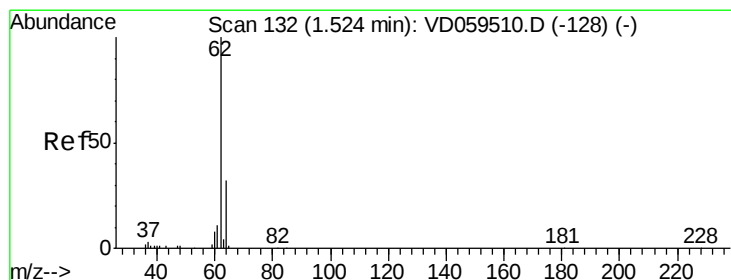
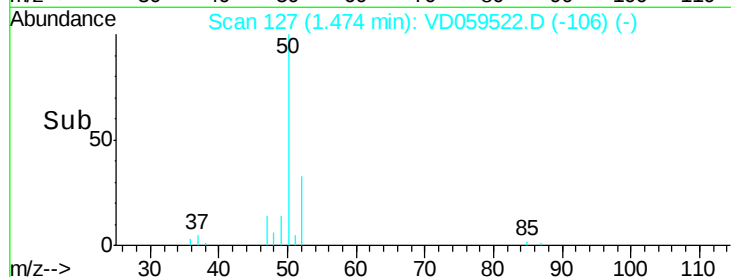
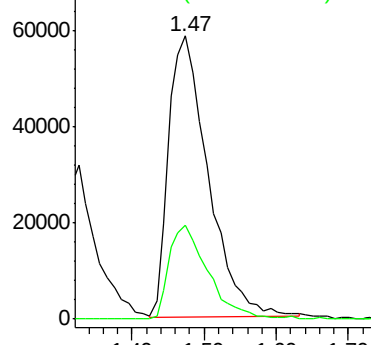
50 100

52 33.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 59.83 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059522.D

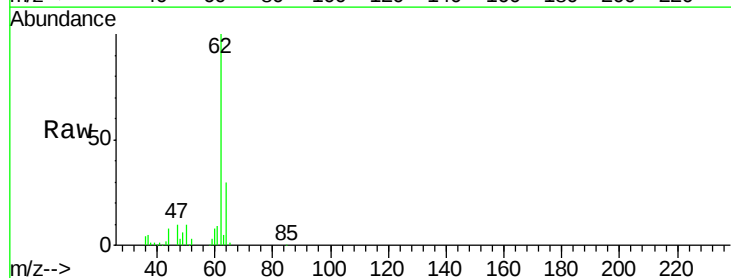
Acq: 3 Jul 2018 1:12

Tgt Ion: 62 Resp: 232023

Ion Ratio Lower Upper

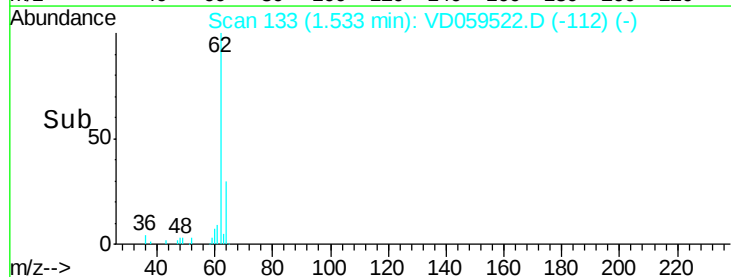
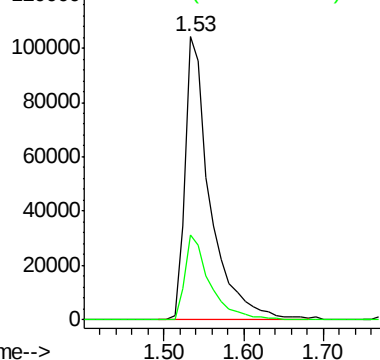
62 100

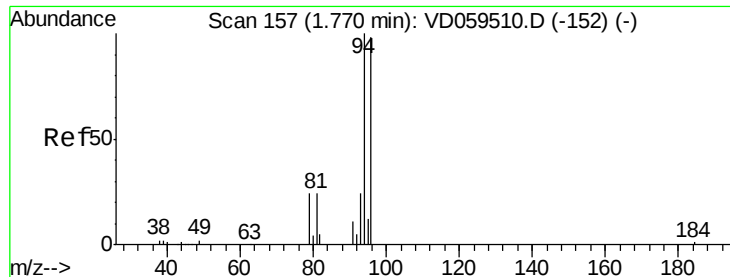
64 29.8 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.26 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

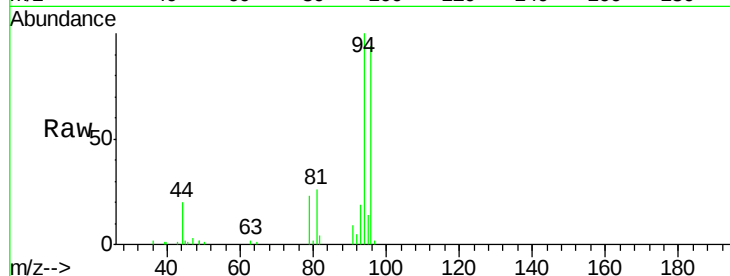
VSTDCCC050EC

Tot Ion: 94 Resp: 91419

Ion Ratio Lower Upper

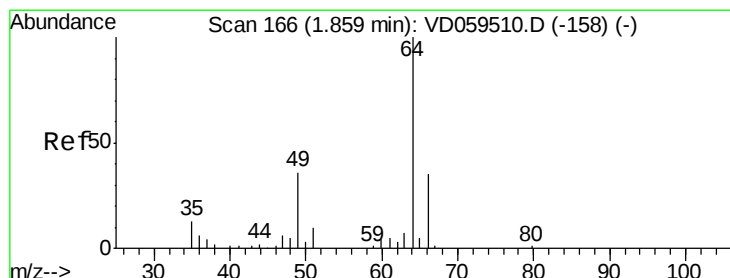
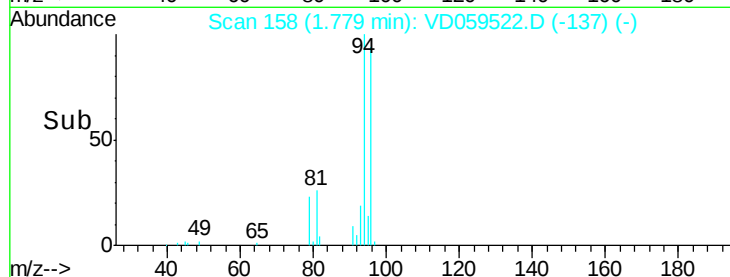
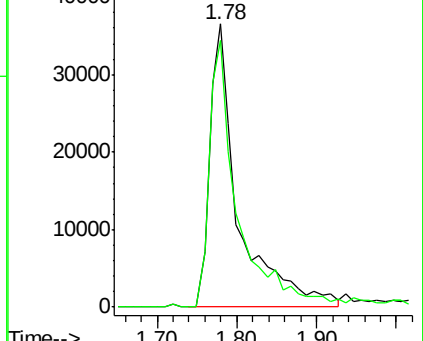
94 100

96 94.2 78.2 117.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 61.48 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.01 min

Lab File: VD059522.D

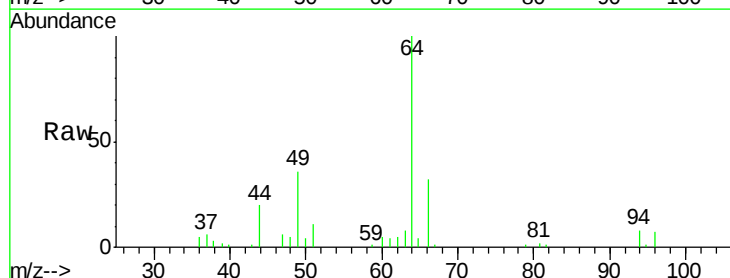
Acq: 3 Jul 2018 1:12

Tgt Ion: 64 Resp: 107285

Ion Ratio Lower Upper

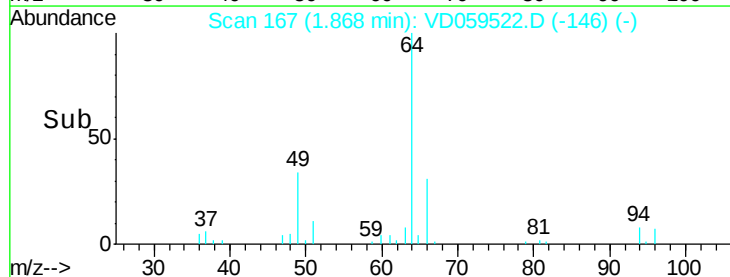
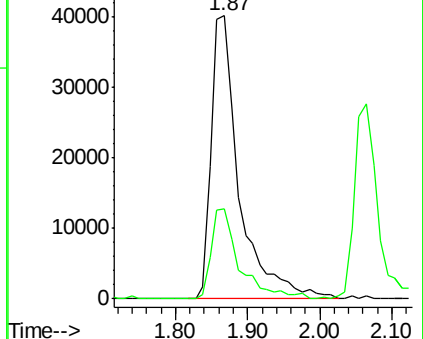
64 100

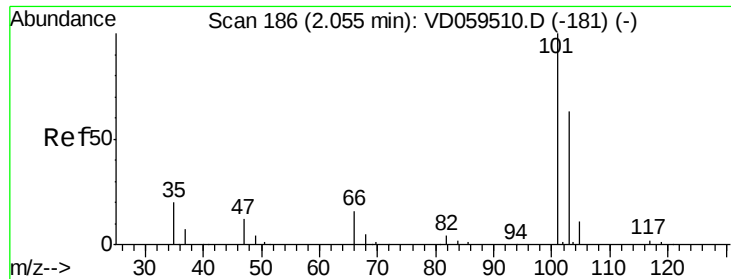
66 31.8 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 58.24 ug/l

RT: 2.06 min Scan# 187

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

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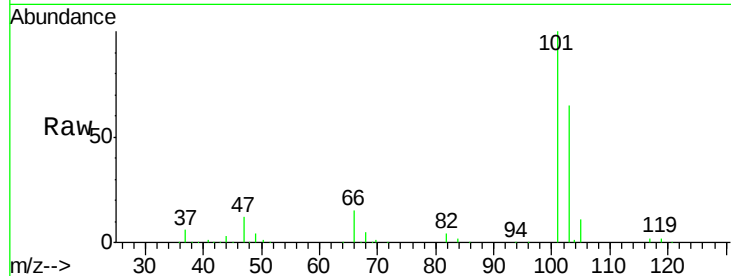
VSTDCCC050EC

Tot Ion:101 Resp: 373601

Ion Ratio Lower Upper

101 100

103 64.8 50.6 76.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

200000

150000

100000

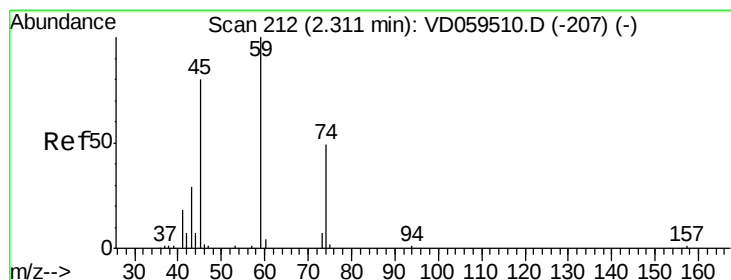
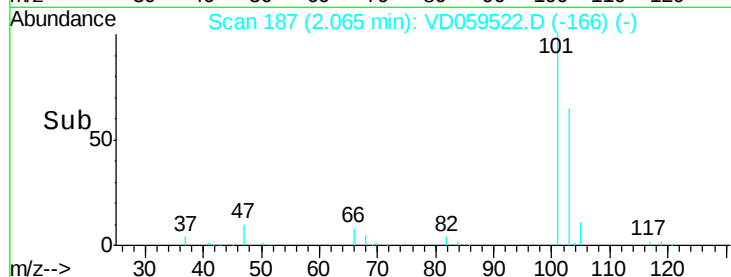
50000

0

2.06

2.00 2.10 2.20

Time-->



#8

Diethyl Ether

Concen: 56.37 ug/l

RT: 2.32 min Scan# 213

Delta R.T. 0.01 min

Lab File: VD059522.D

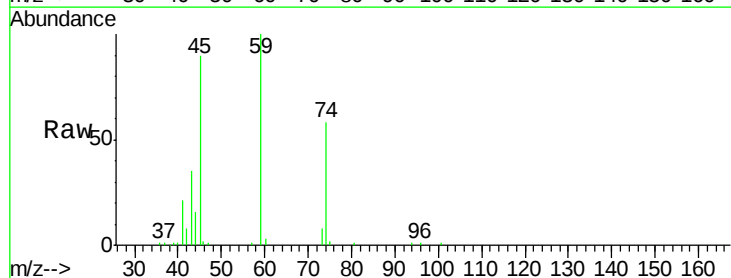
Acq: 3 Jul 2018 1:12

Tgt Ion: 74 Resp: 69241

Ion Ratio Lower Upper

74 100

45 153.8 83.5 250.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

60000

40000

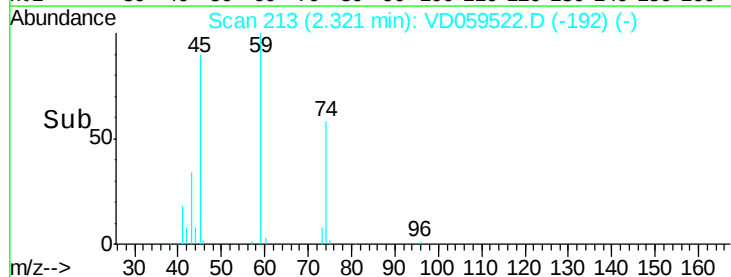
20000

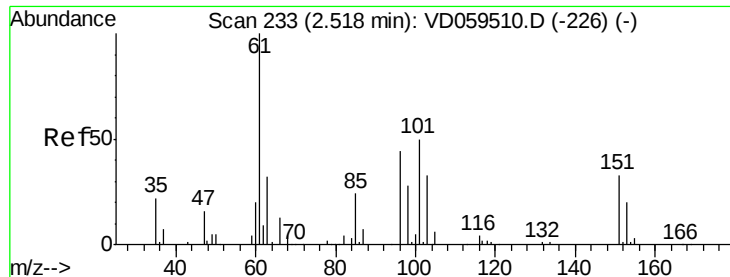
0

2.32

2.30 2.40

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.74 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

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ClientSampleId :

VSTDCCC050EC

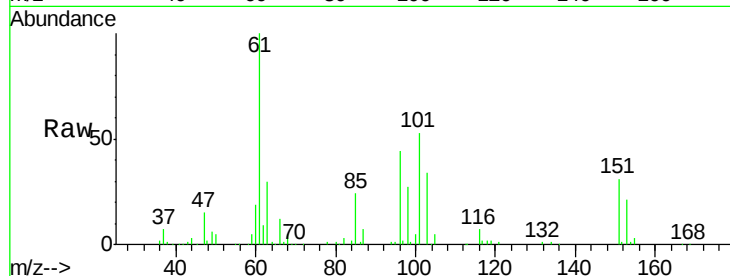
Tot Ion:101 Resp: 225380

Ion Ratio Lower Upper

101 100

85 44.5 38.8 58.2

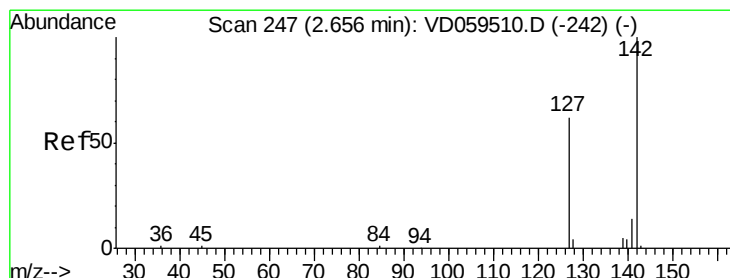
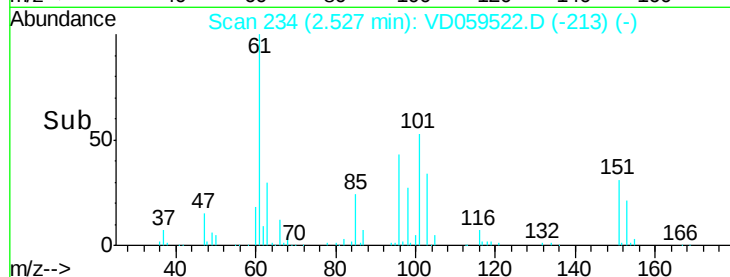
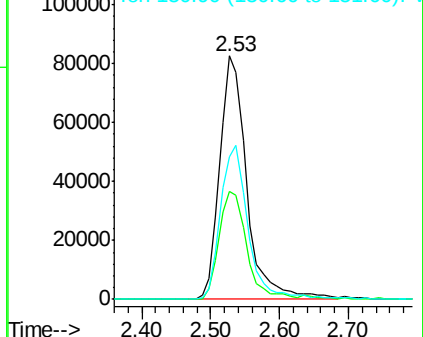
151 58.7 52.6 79.0



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: 62.22 ug/l

RT: 2.67 min Scan# 248

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

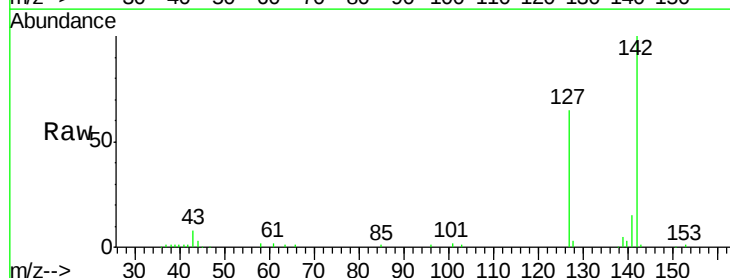
Tgt Ion:142 Resp: 242061

Ion Ratio Lower Upper

142 100

127 65.4 49.8 74.8

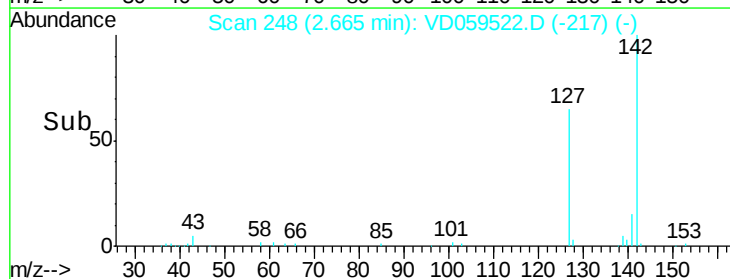
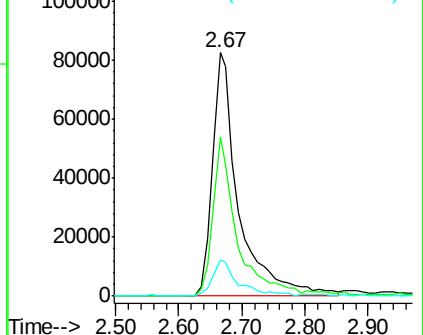
141 15.1 11.1 16.7

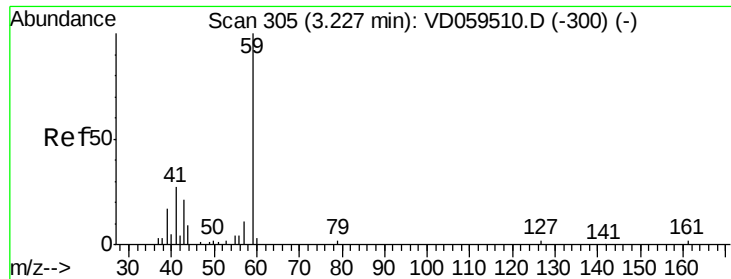


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

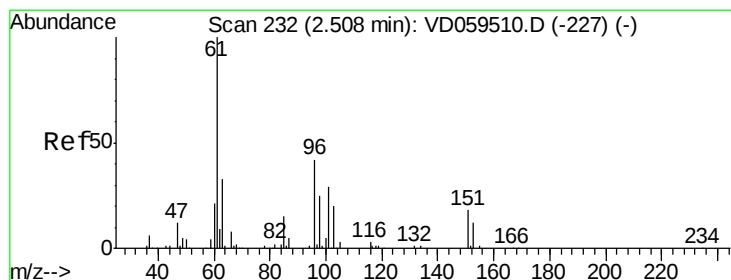
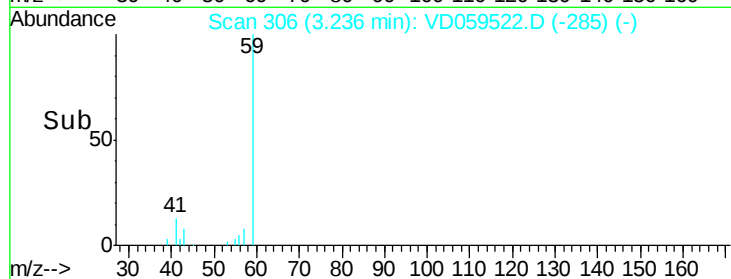
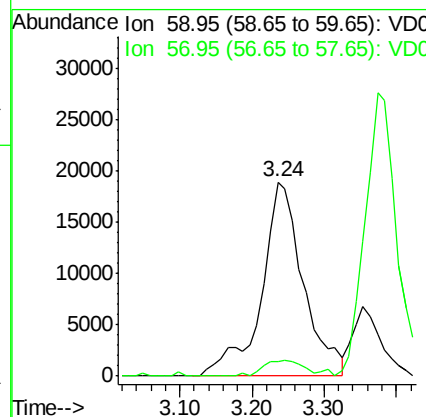
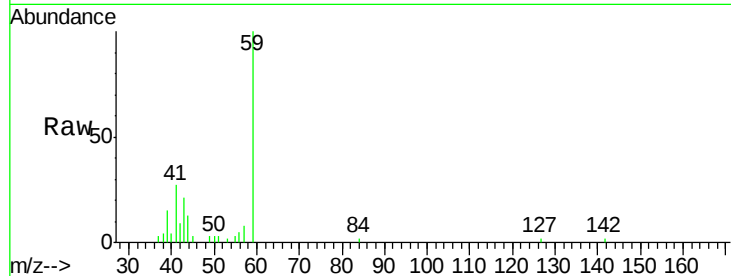




#11
Tert butyl alcohol
Concen: 273.37 ug/l
RT: 3.24 min Scan# 306
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

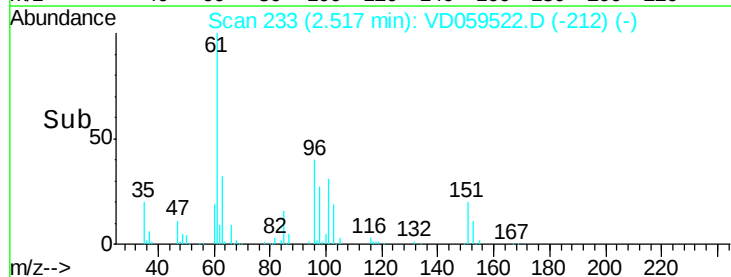
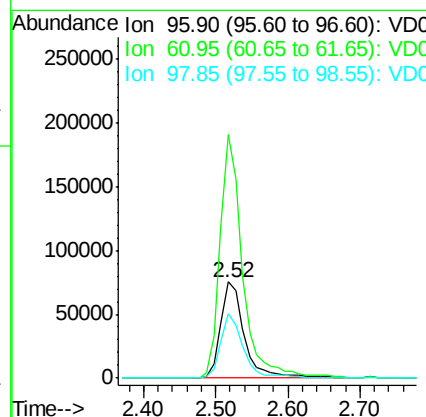
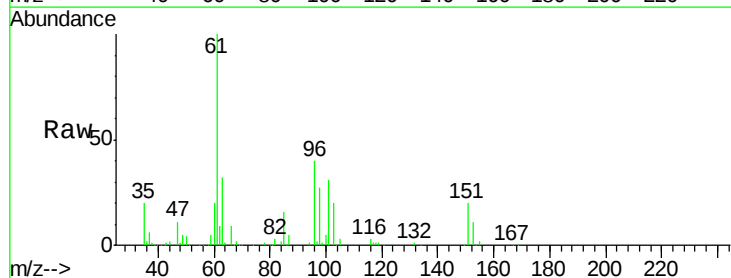
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

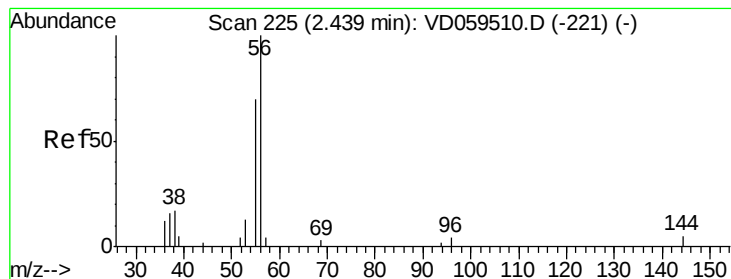
Tot Ion: 59 Resp: 76150
Ion Ratio Lower Upper
59 100
57 7.8 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 57.74 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 96 Resp: 172175
Ion Ratio Lower Upper
96 100
61 252.8 189.4 284.0
98 67.3 47.9 71.9





#13

Acrolein

Concen: 175.90 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

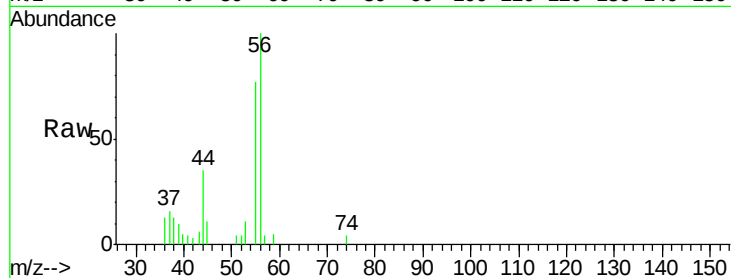
VSTDCCC050EC

Tot Ion: 56 Resp: 27918

Ion Ratio Lower Upper

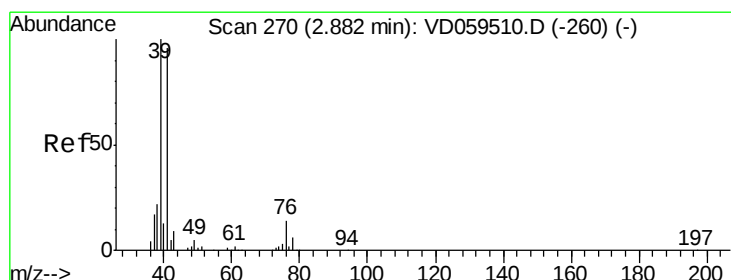
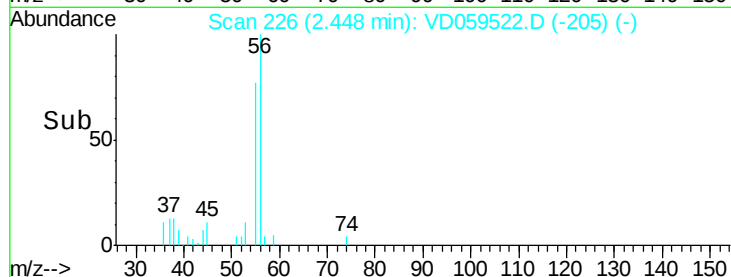
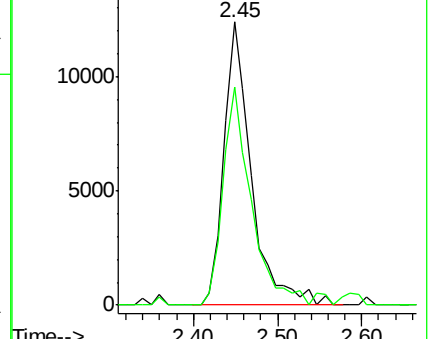
56 100

55 76.9 56.0 84.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 56.06 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.02 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

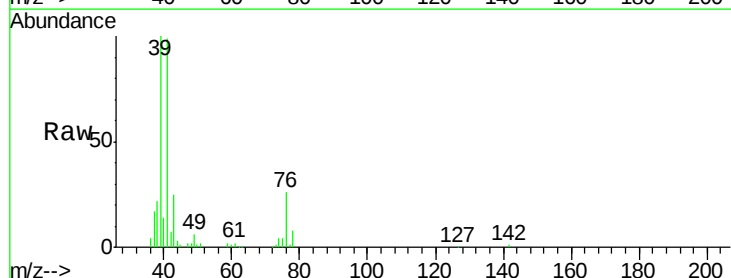
Tgt Ion: 41 Resp: 369046

Ion Ratio Lower Upper

41 100

39 101.1 83.8 125.8

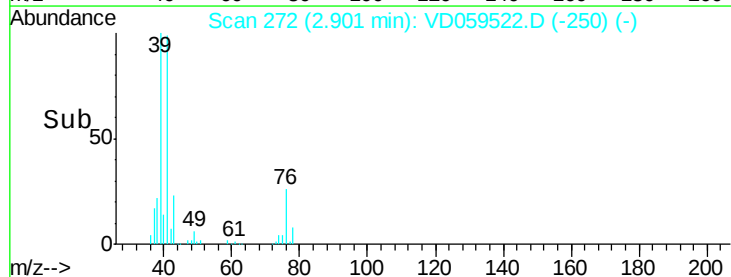
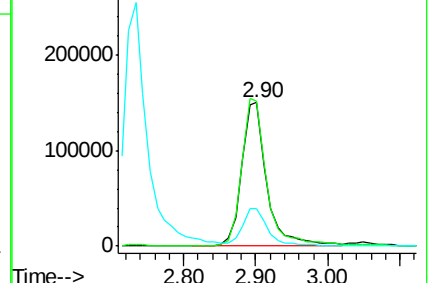
76 26.2 18.4 27.6

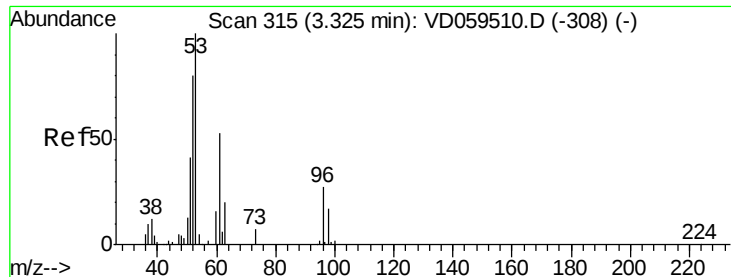


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.04 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

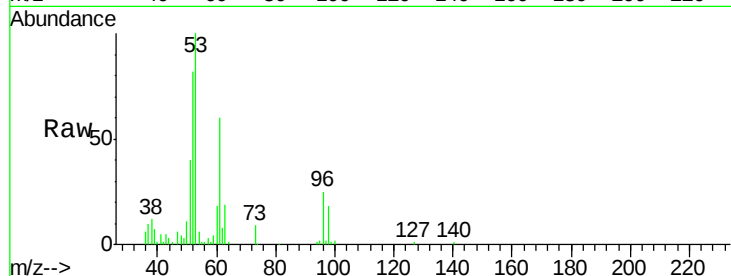
Tot Ion: 53 Resp: 205615

Ion Ratio Lower Upper

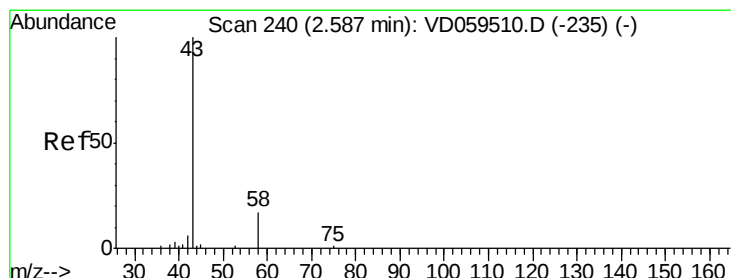
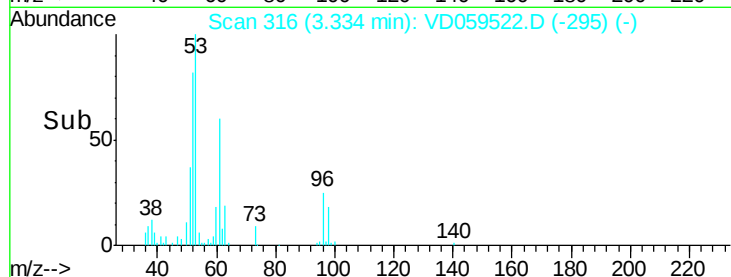
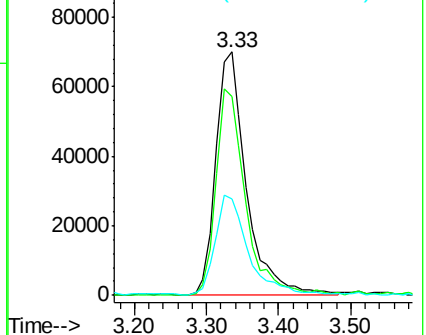
53 100

52 81.8 64.3 96.5

51 39.5 33.0 49.4



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



#16

Acetone

Concen: 255.46 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059522.D

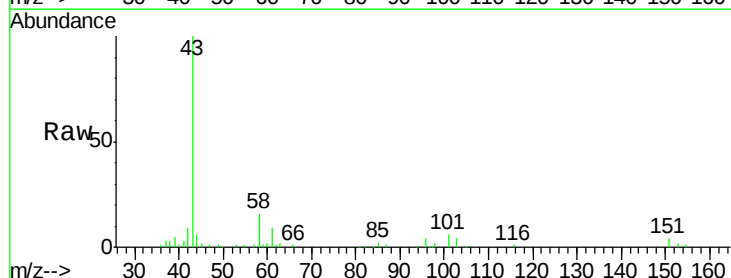
Acq: 3 Jul 2018 1:12

Tgt Ion: 43 Resp: 288794

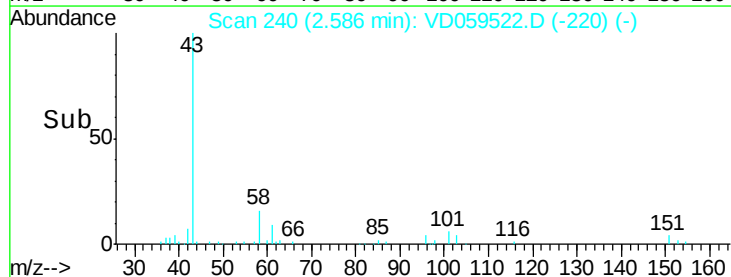
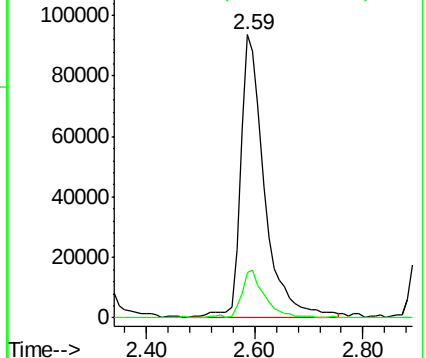
Ion Ratio Lower Upper

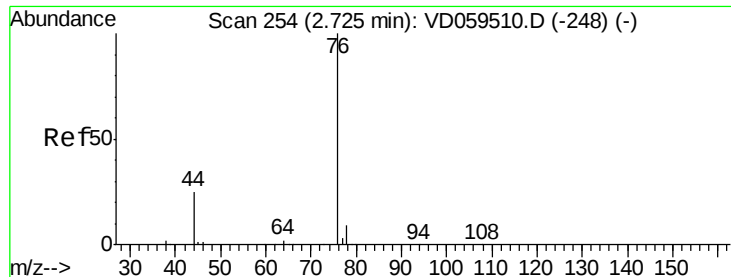
43 100

58 15.9 13.8 20.8



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

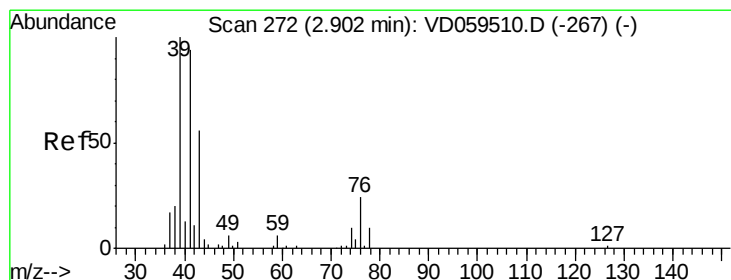
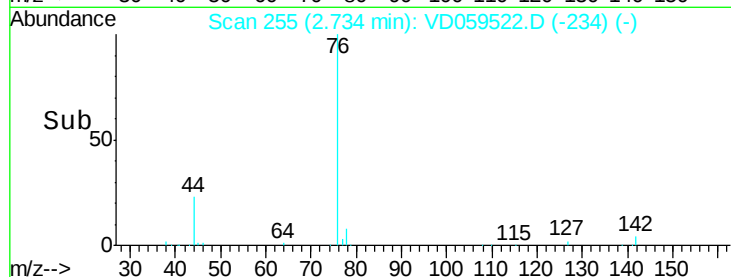
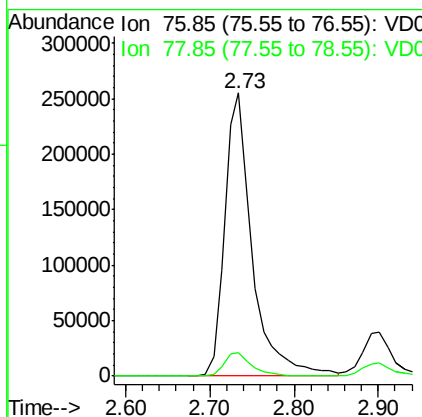
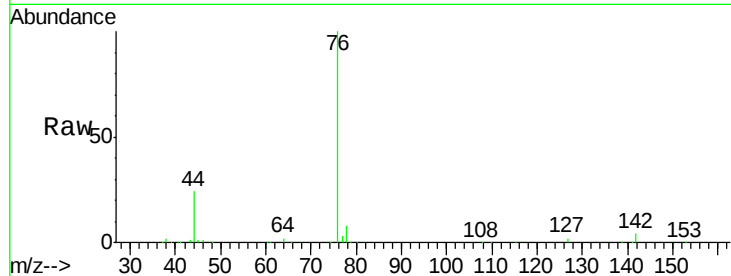




#17
Carbon Disulfide
Concen: 55.22 ug/l
RT: 2.73 min Scan# 255
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

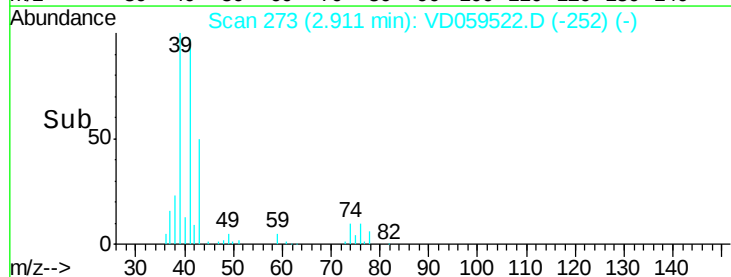
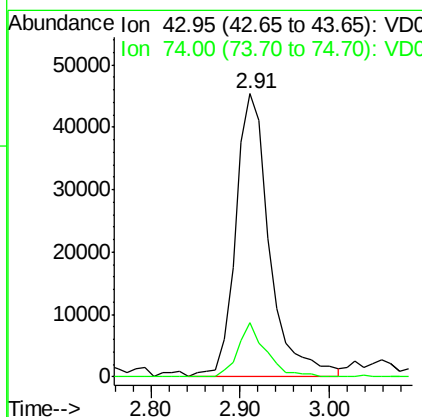
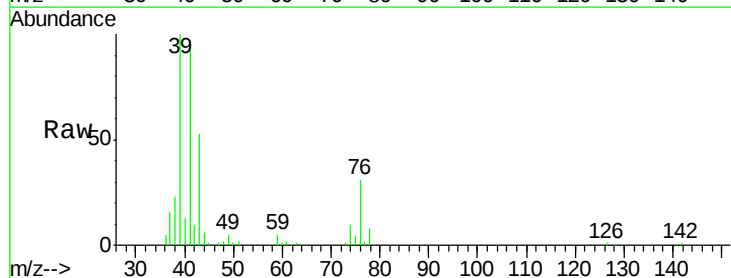
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

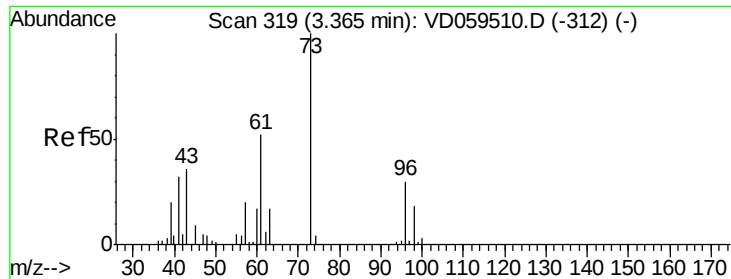
Tot Ion: 76 Resp: 573694
Ion Ratio Lower Upper
76 100
78 8.3 6.9 10.3



#18
Methyl Acetate
Concen: 53.59 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 43 Resp: 120113
Ion Ratio Lower Upper
43 100
74 19.4 13.8 20.8

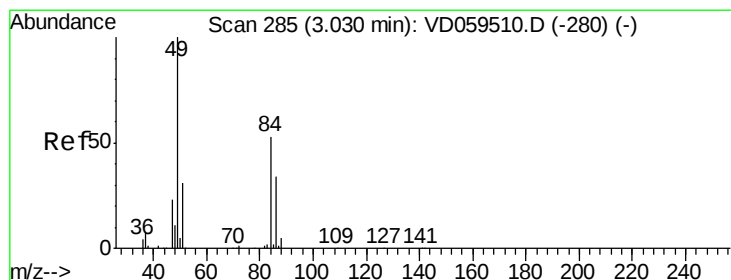
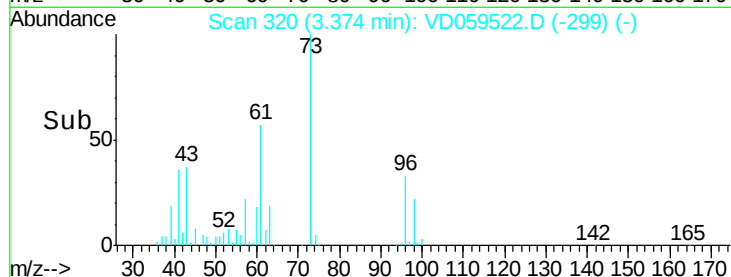
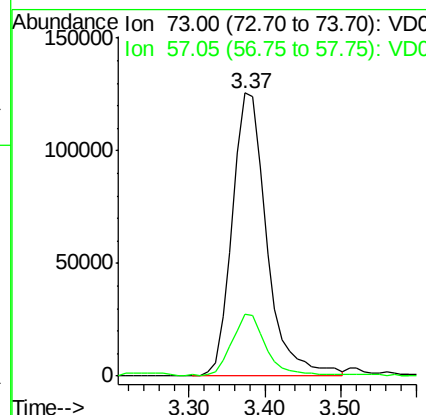
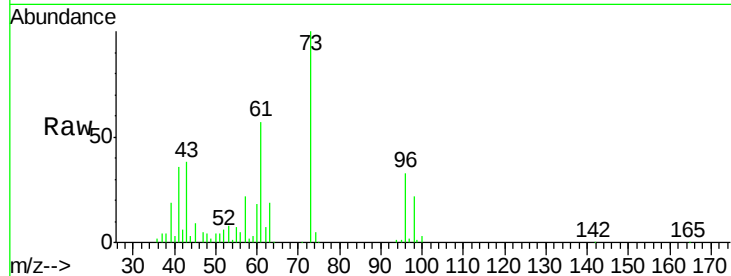




#19
Methyl tert-butyl Ether
Concen: 51.57 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

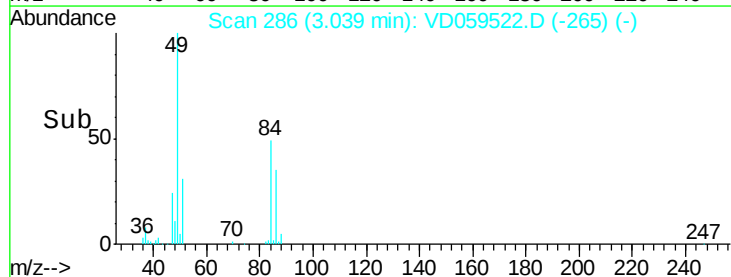
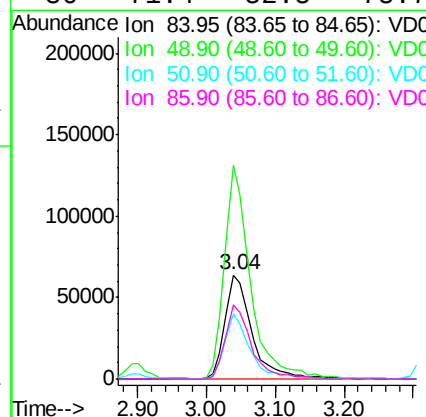
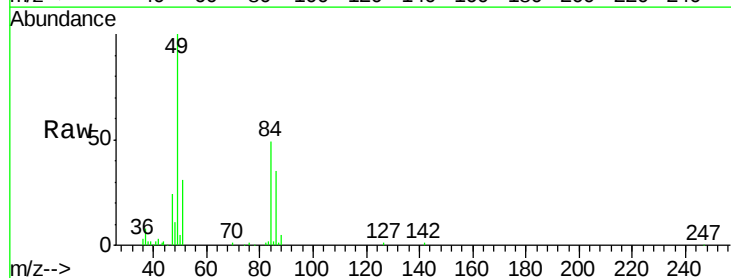
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

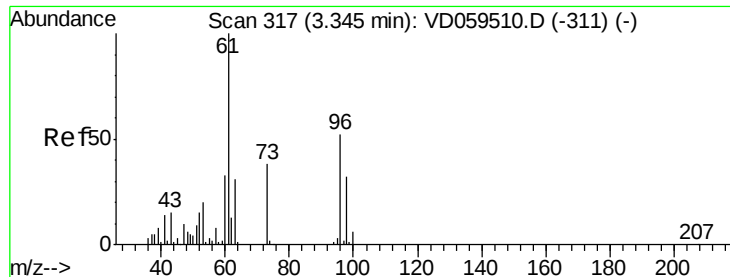
Tot Ion: 73 Resp: 397533
Ion Ratio Lower Upper
73 100
57 22.0 16.5 24.7



#20
Methylene Chloride
Concen: 39.78 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 84 Resp: 174228
Ion Ratio Lower Upper
84 100
49 205.5 152.2 228.2
51 63.0 46.5 69.7
86 71.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 54.74 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

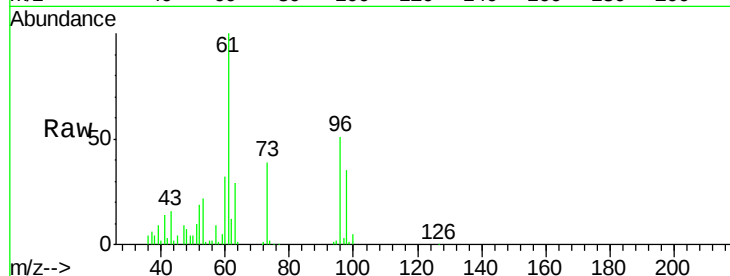
Tot Ion: 96 Resp: 180274

Ion Ratio Lower Upper

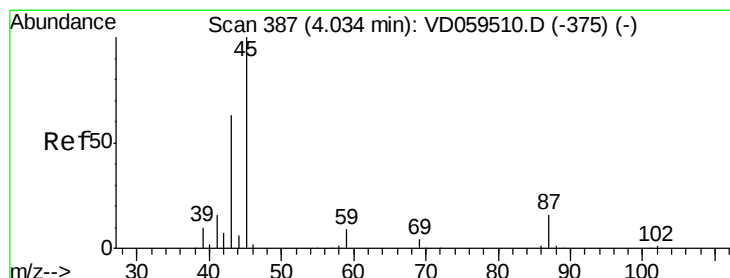
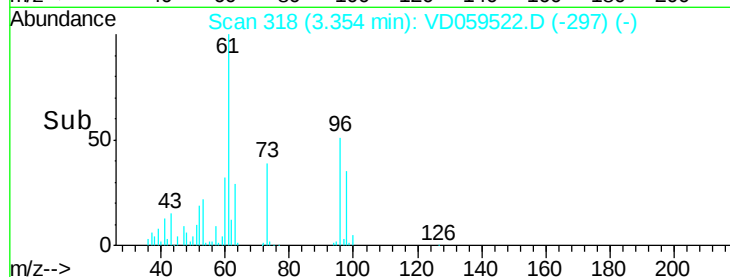
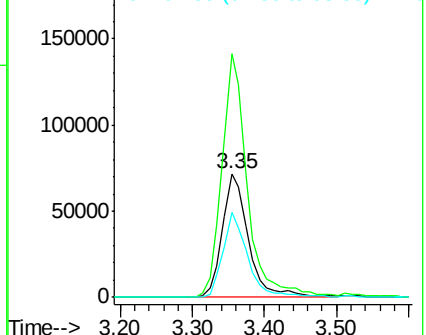
96 100

61 197.0 154.7 232.1

98 69.0 49.9 74.9



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



#22

Diisopropyl ether

Concen: 51.55 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Tgt Ion: 45 Resp: 1237473

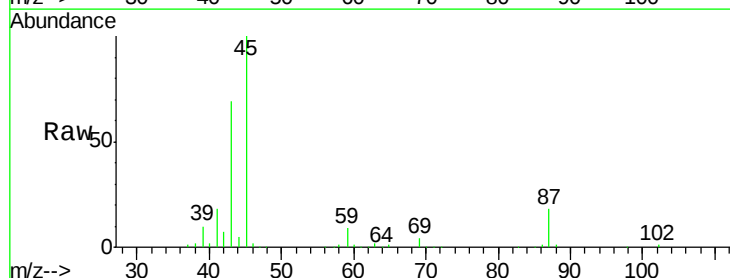
Ion Ratio Lower Upper

45 100

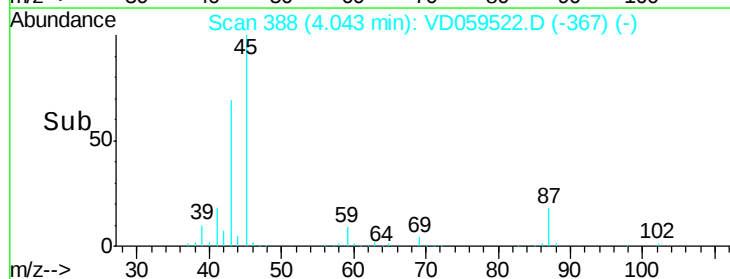
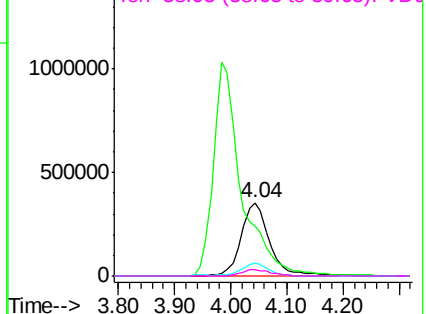
43 68.9 50.7 76.1

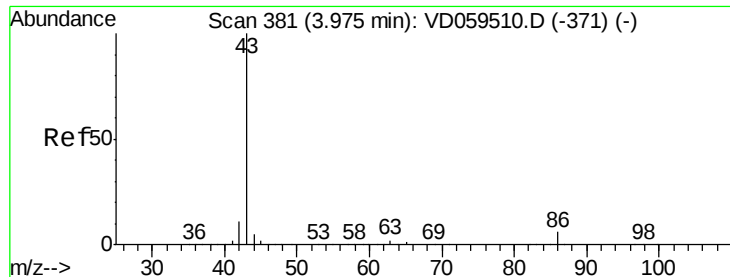
87 17.7 13.4 20.0

59 8.7 7.4 11.0



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: 271.06 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

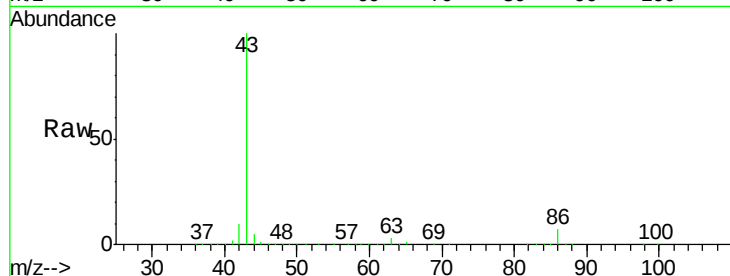
VSTDCCC050EC

Tot Ion: 43 Resp: 3590071

Ion Ratio Lower Upper

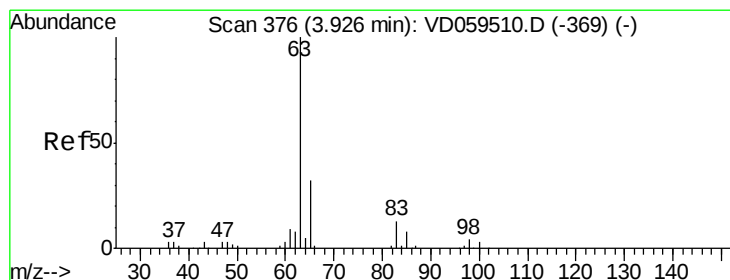
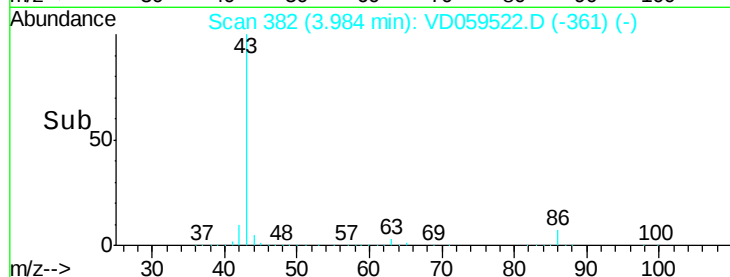
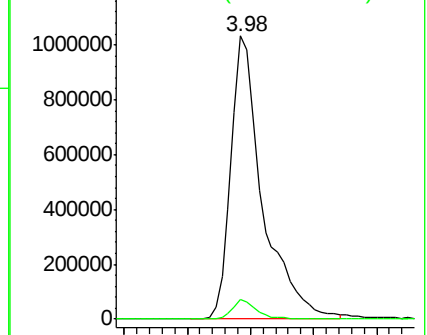
43 100

86 7.0 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.29 ug/l

RT: 3.94 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

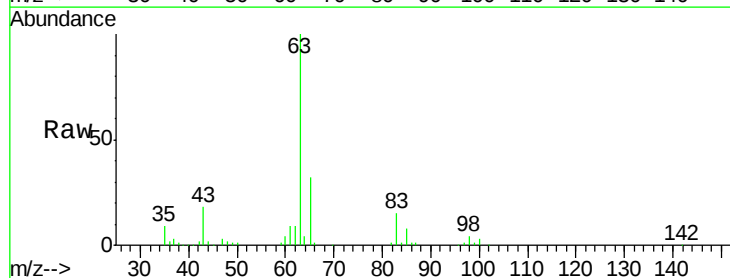
Tgt Ion: 63 Resp: 737808

Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

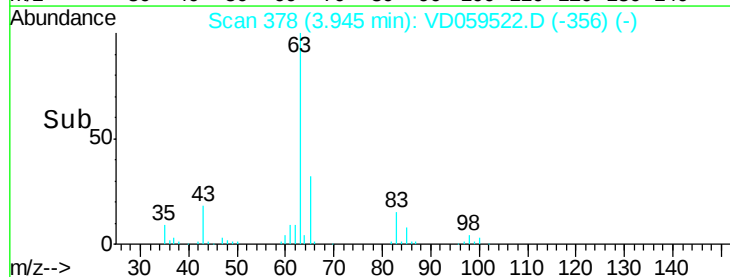
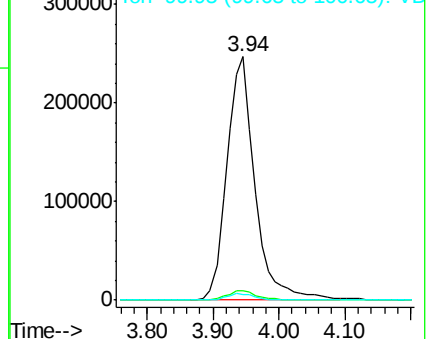
100 2.5 1.5 4.4

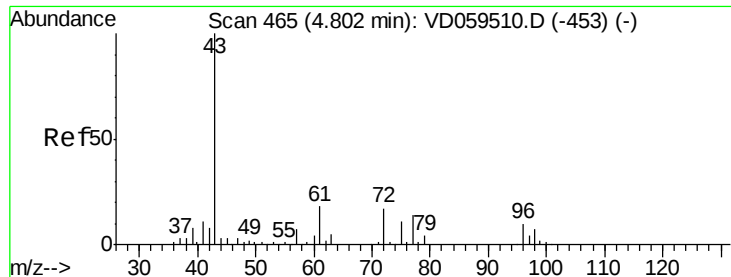


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 255.12 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

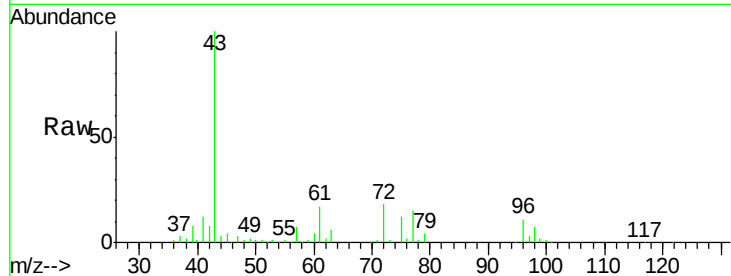
VSTDCCC050EC

Tot Ion: 43 Resp: 599890

Ion Ratio Lower Upper

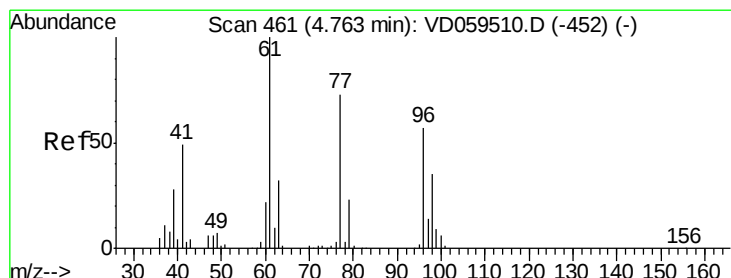
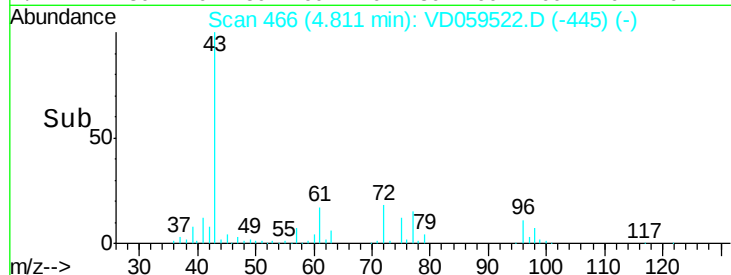
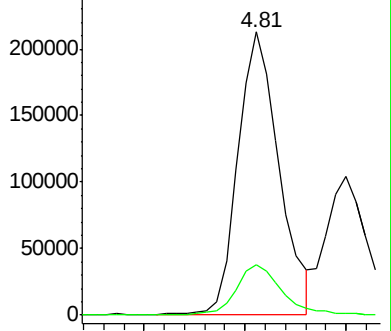
43 100

72 17.7 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.51 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.01 min

Lab File: VD059522.D

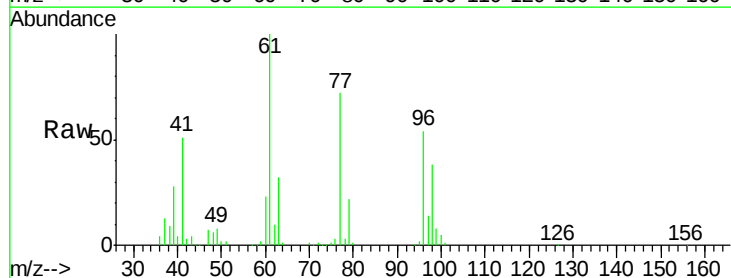
Acq: 3 Jul 2018 1:12

Tgt Ion: 77 Resp: 572309

Ion Ratio Lower Upper

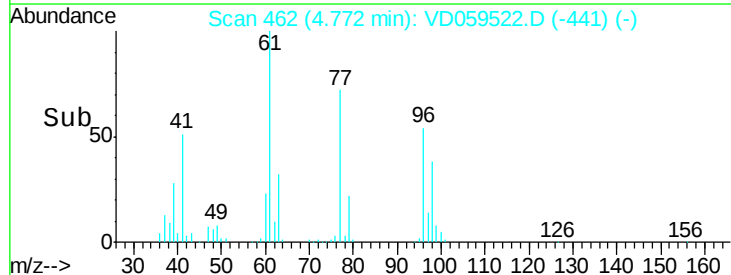
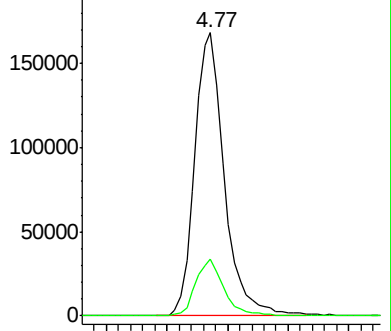
77 100

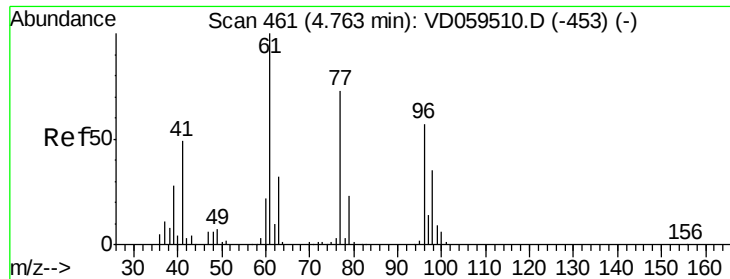
97 20.2 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 54.60 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.02 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

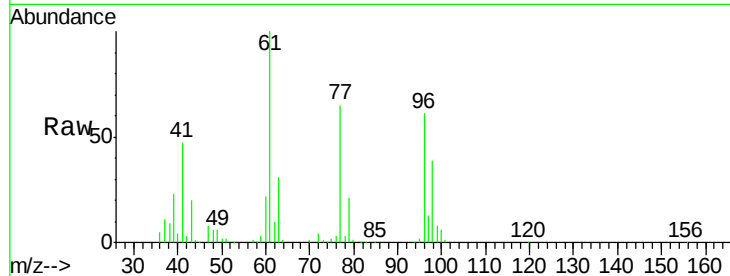
Tot Ion: 96 Resp: 389325

Ion Ratio Lower Upper

96 100

61 164.3 0.0 350.8

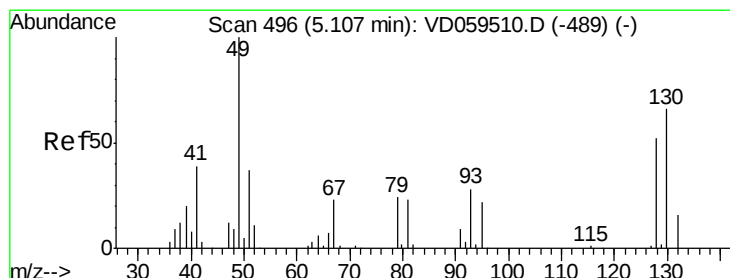
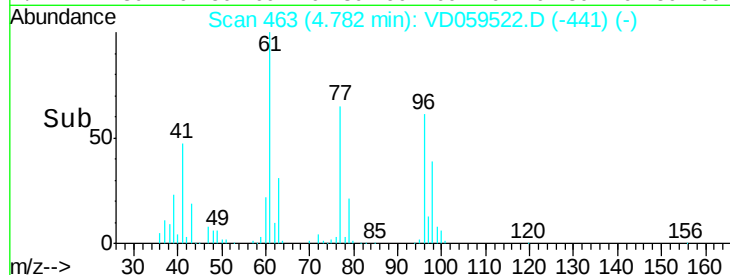
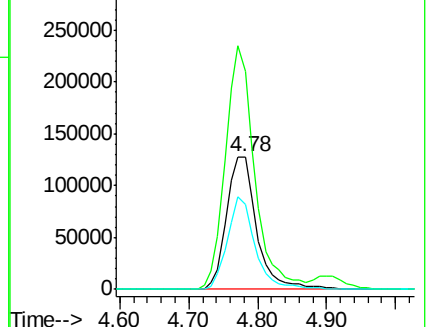
98 63.7 0.0 123.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 47.93 ug/l

RT: 5.12 min Scan# 497

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

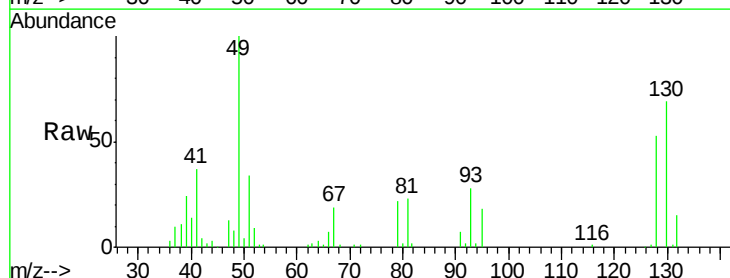
Tgt Ion: 49 Resp: 249861

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

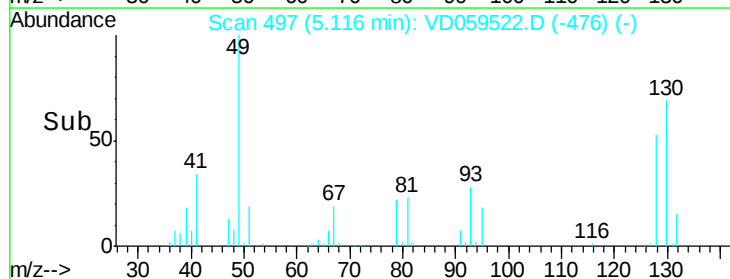
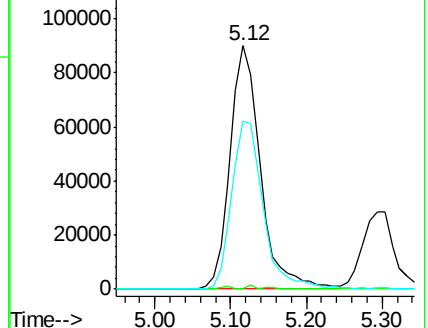
130 69.3 52.6 78.8

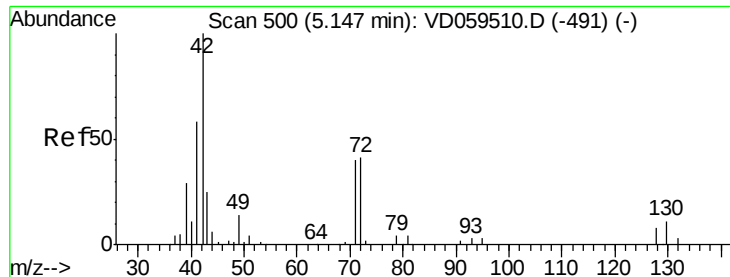


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

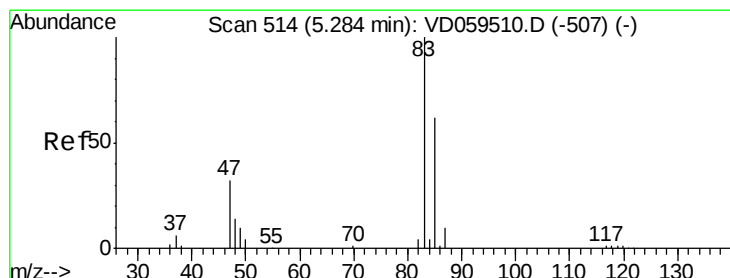
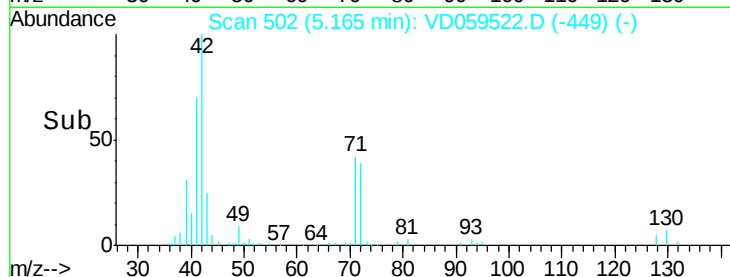
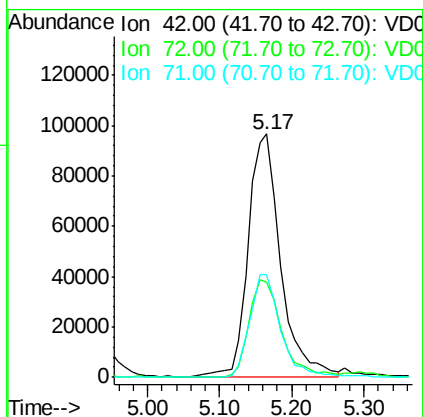
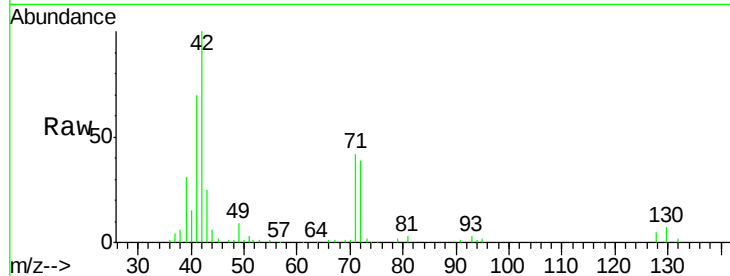




#29
Tetrahydrofuran
Concen: 250.24 ug/l
RT: 5.17 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

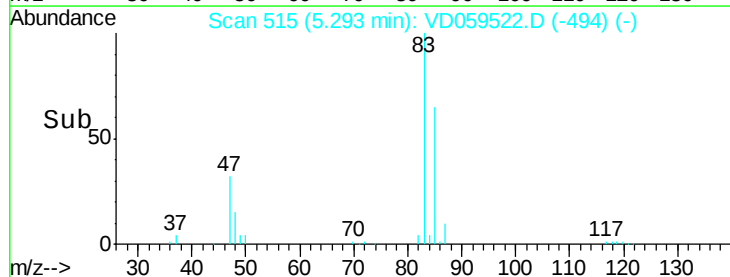
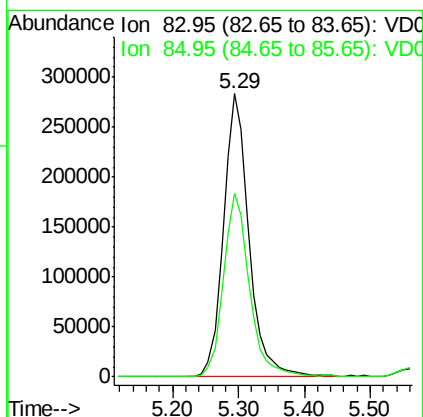
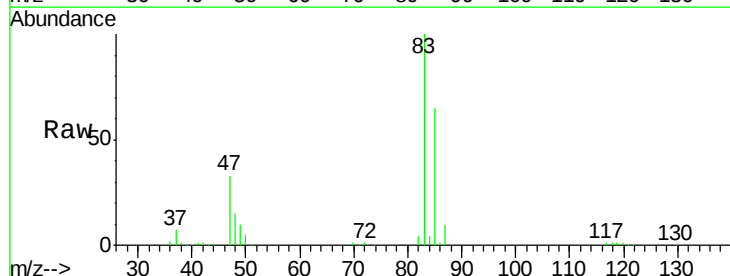
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

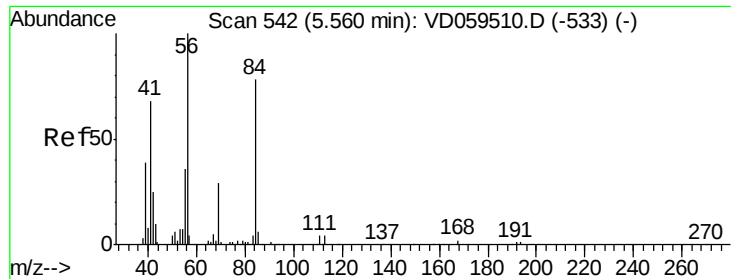
Tot Ion: 42 Resp: 299651
Ion Ratio Lower Upper
42 100
72 40.9 32.9 49.3
71 40.8 31.6 47.4



#30
Chloroform
Concen: 53.74 ug/l
RT: 5.29 min Scan# 515
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 83 Resp: 770443
Ion Ratio Lower Upper
83 100
85 64.6 49.8 74.6

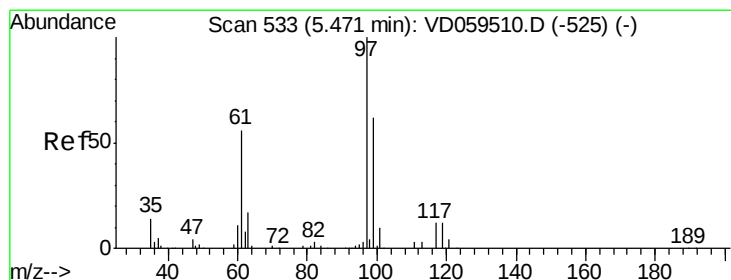
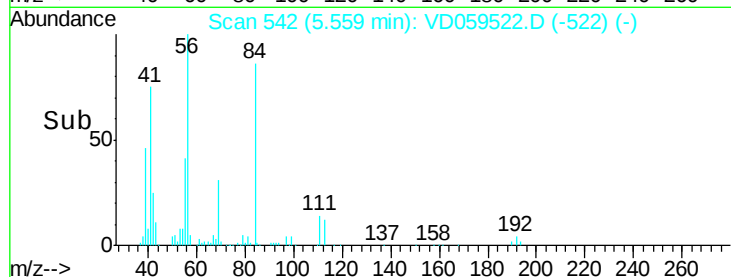
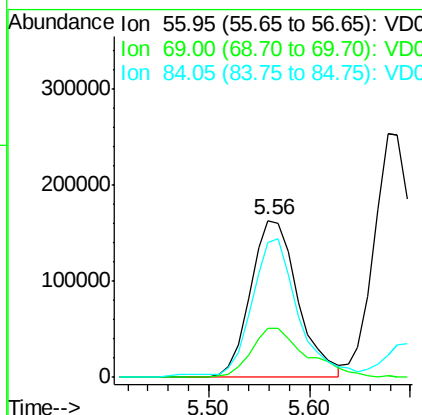
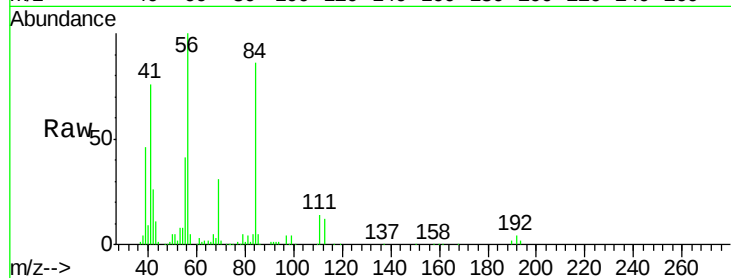




#31
Cyclohexane
Concen: 56.46 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

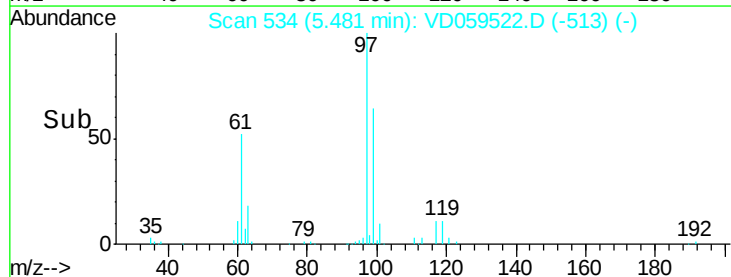
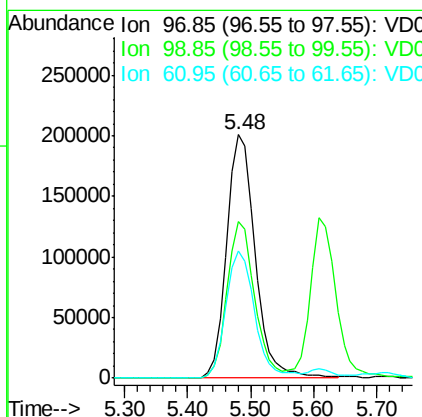
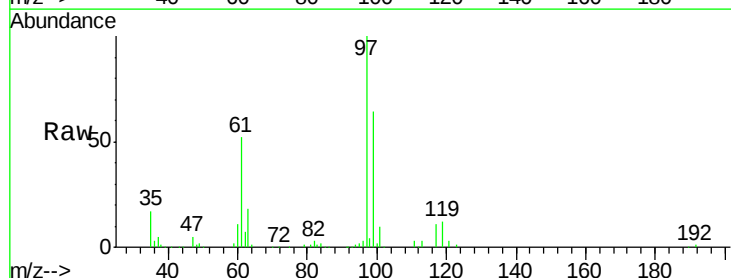
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

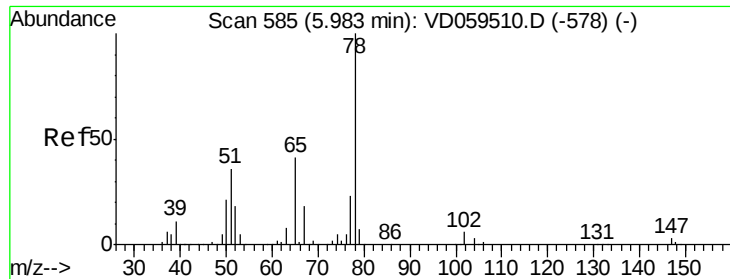
Tot Ion: 56 Resp: 532090
Ion Ratio Lower Upper
56 100
69 31.5 22.9 34.3
84 85.7 63.4 95.0



#32
1,1,1-Trichloroethane
Concen: 55.27 ug/l
RT: 5.48 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 97 Resp: 627725
Ion Ratio Lower Upper
97 100
99 64.1 49.6 74.4
61 52.2 44.8 67.2





#33

1,2-Dichloroethane-d4

Concen: 55.27 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

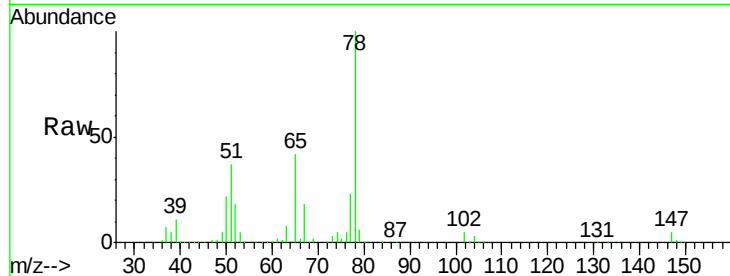
VSTDCCC050EC

Tot Ion: 65 Resp: 421133

Ion Ratio Lower Upper

65 100

67 42.2 0.0 90.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

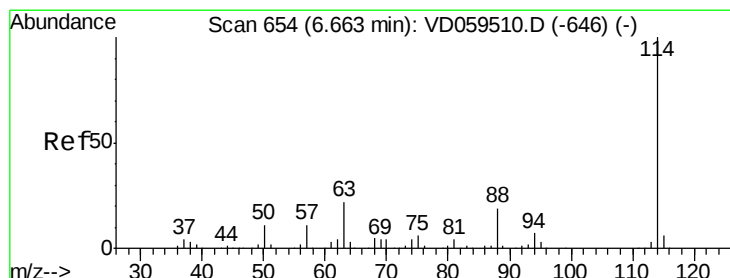
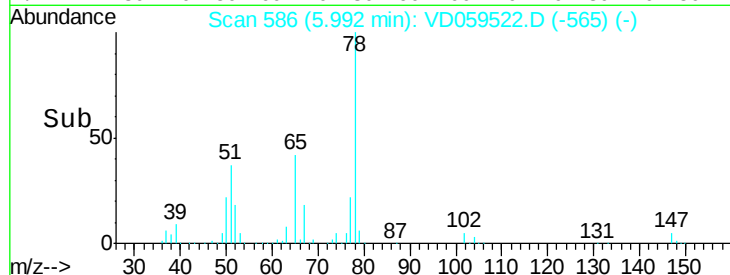
100000

50000

0

5.90 6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

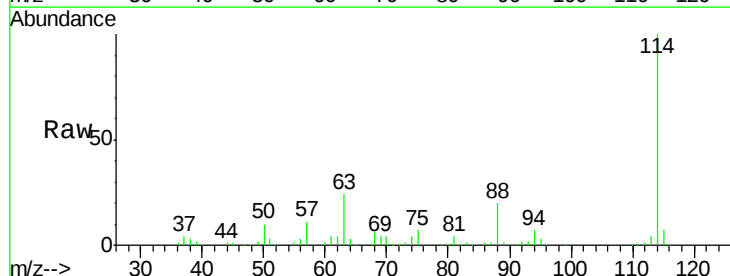
Tgt Ion:114 Resp: 916692

Ion Ratio Lower Upper

114 100

63 24.2 0.0 44.4

88 19.7 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

400000

300000

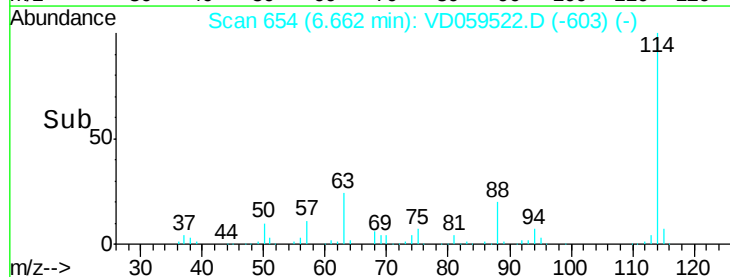
200000

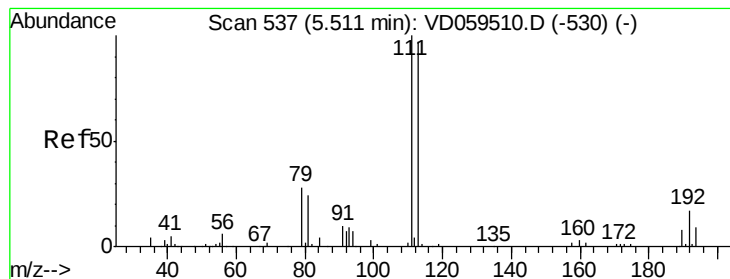
100000

0

6.50 6.60 6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

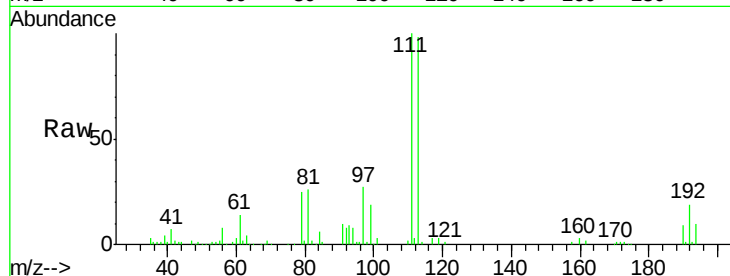
Tot Ion:113 Resp: 405738

Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

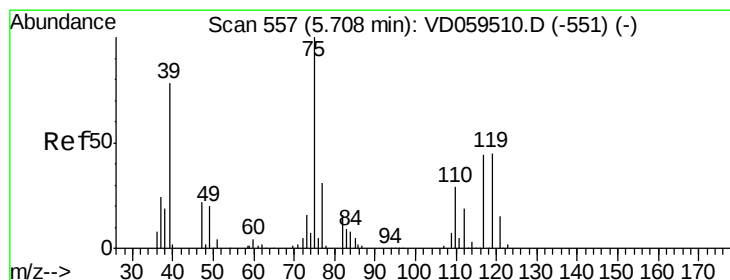
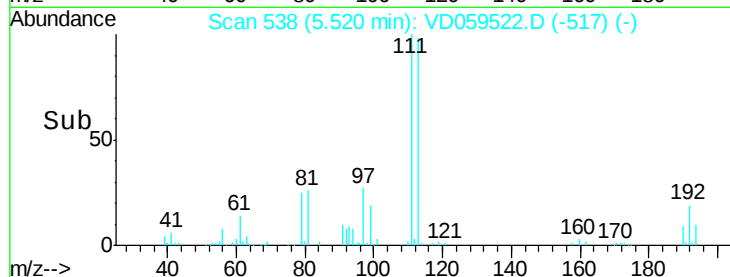
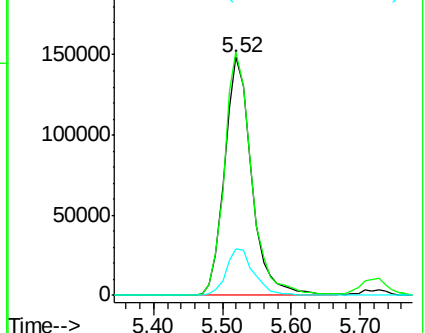
192 19.7 14.2 21.2



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: 54.45 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

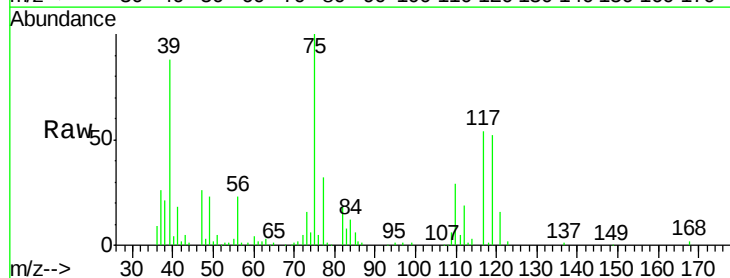
Tgt Ion: 75 Resp: 536006

Ion Ratio Lower Upper

75 100

110 28.7 14.4 43.4

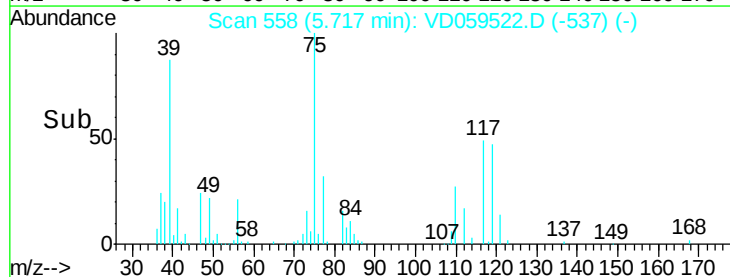
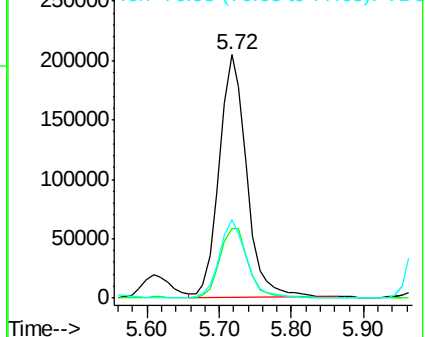
77 32.2 25.0 37.6

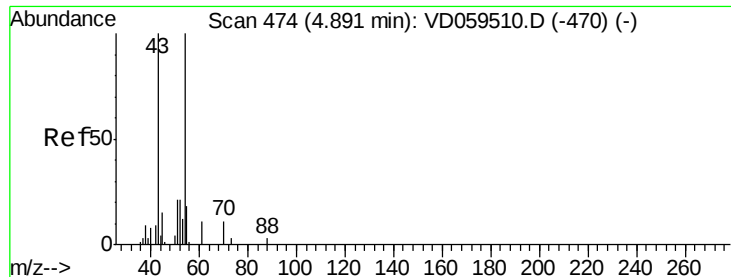


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

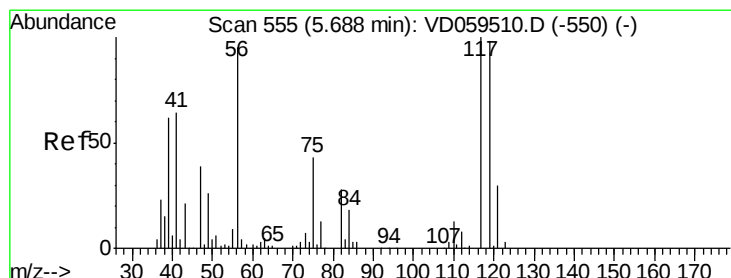
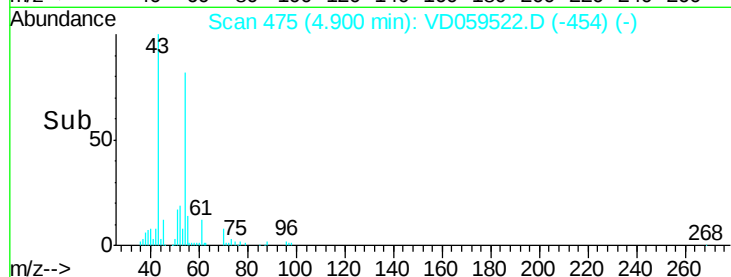
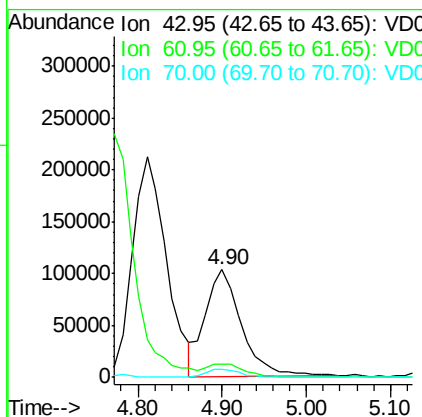
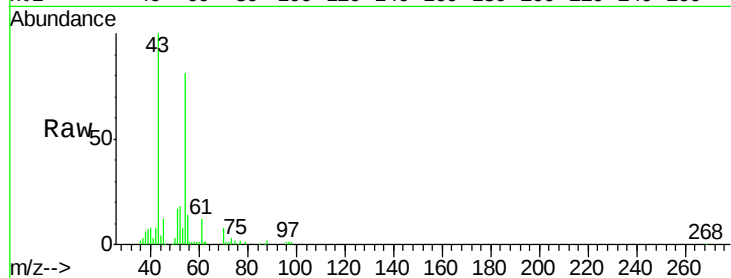




#37
Ethyl Acetate
Concen: 55.84 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

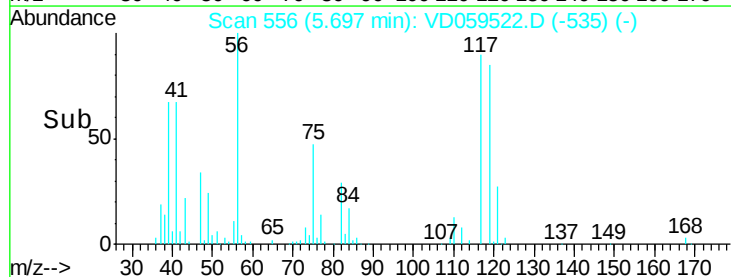
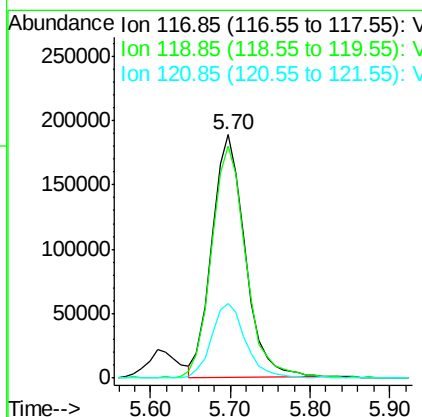
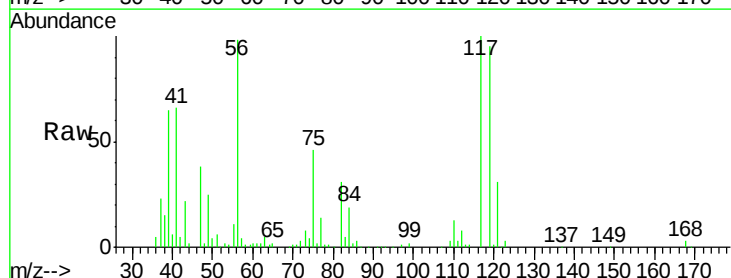
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

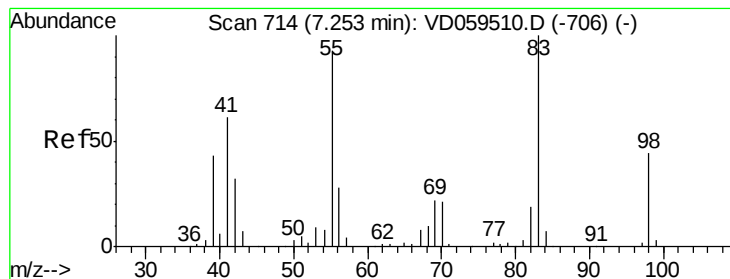
Tot Ion: 43 Resp: 305762
Ion Ratio Lower Upper
43 100
61 12.2 11.5 17.3
70 7.9 6.8 10.2



#38
Carbon Tetrachloride
Concen: 56.84 ug/l
RT: 5.70 min Scan# 556
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 117 Resp: 550021
Ion Ratio Lower Upper
117 100
119 95.3 76.4 114.6
121 30.6 23.9 35.9





#39

Methvlcvclohexane

Concen: 57.93 ug/l

RT: 7.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

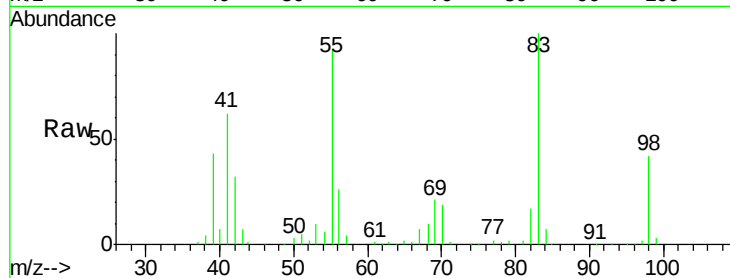
Tot Ion: 83 Resp: 519411

Ion Ratio Lower Upper

83 100

55 91.6 74.2 111.4

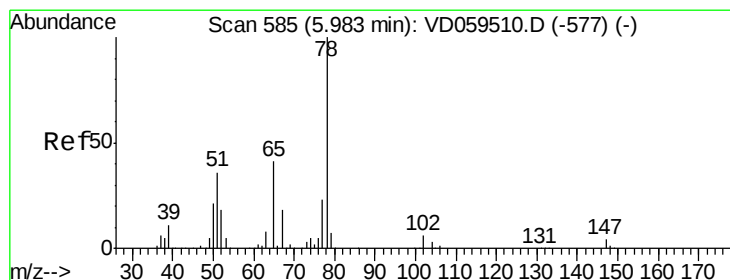
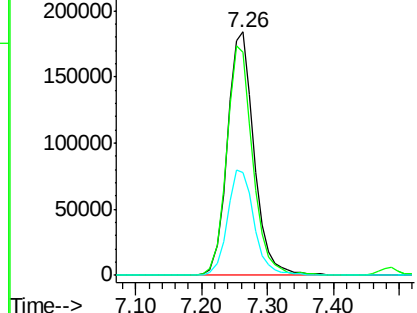
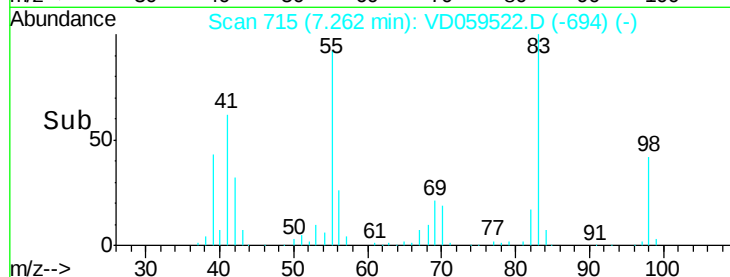
98 42.1 35.5 53.3



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: 51.53 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059522.D

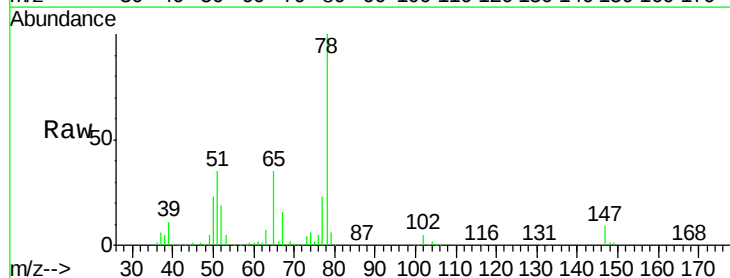
Acq: 3 Jul 2018 1:12

Tgt Ion: 78 Resp: 1167378

Ion Ratio Lower Upper

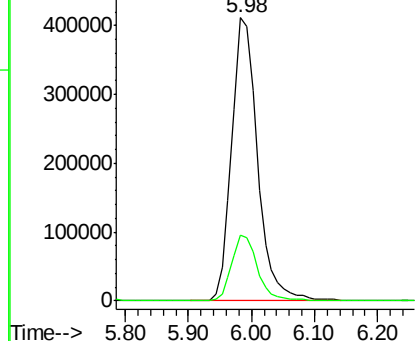
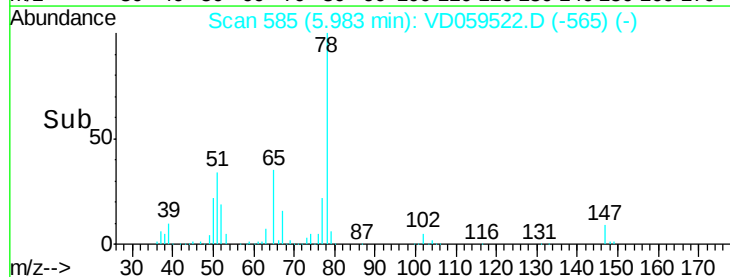
78 100

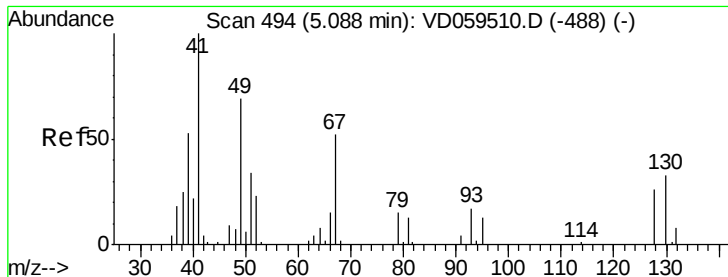
77 23.1 18.6 27.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 53.20 ug/l

RT: 5.10 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 147765

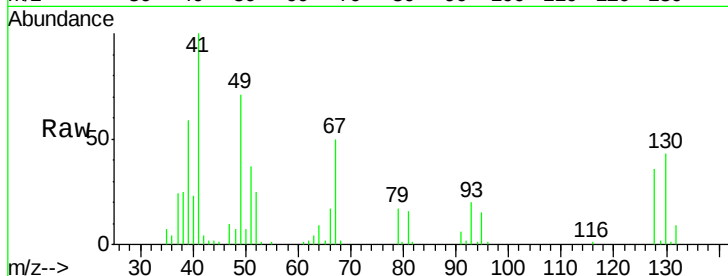
Ion Ratio Lower Upper

41 100

39 58.8 43.0 64.4

67 50.3 41.4 62.2

52 25.2 18.6 28.0

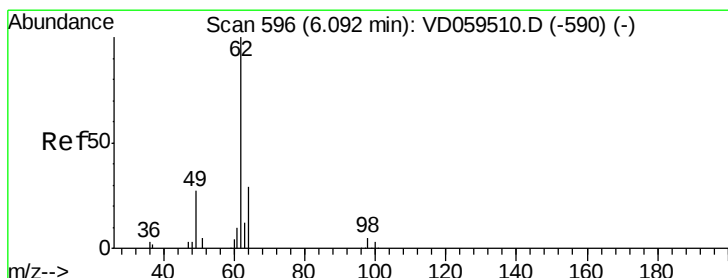
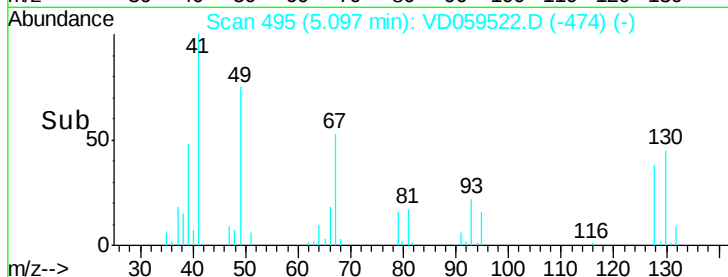
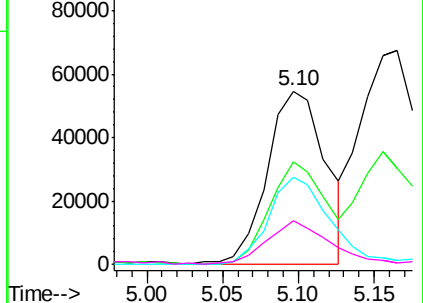


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 56.30 ug/l

RT: 6.10 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD059522.D

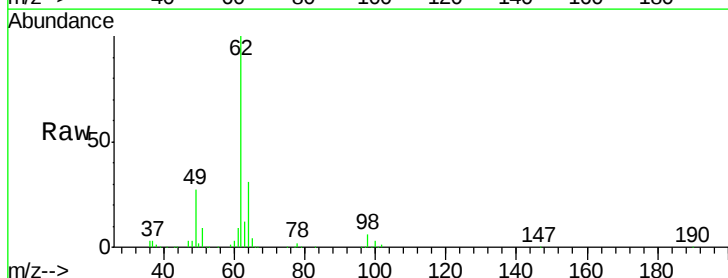
Acq: 3 Jul 2018 1:12

Tgt Ion: 62 Resp: 570594

Ion Ratio Lower Upper

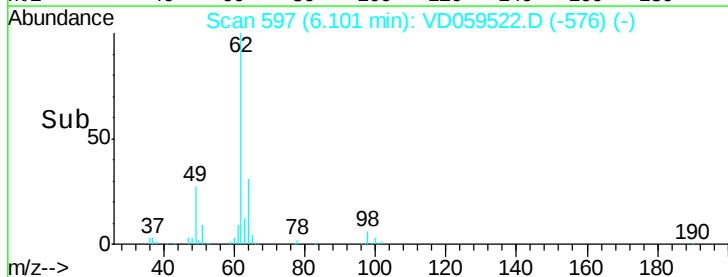
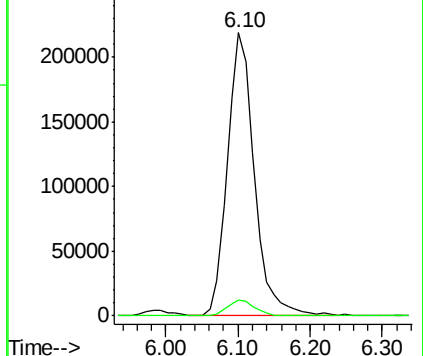
62 100

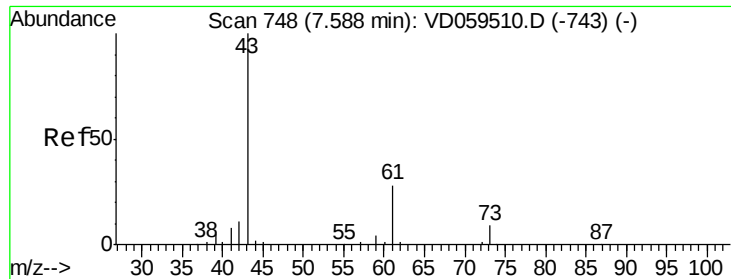
98 5.7 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 56.51 ug/l

RT: 7.60 min Scan# 749

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

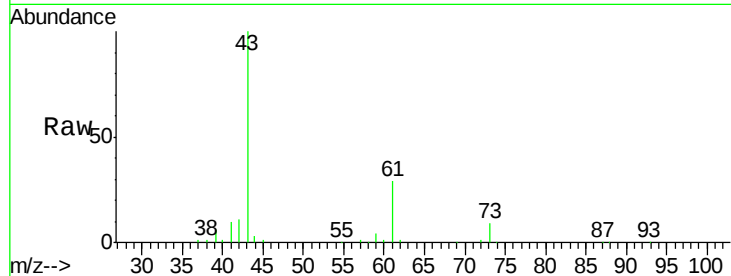
Tot Ion: 43 Resp: 409427

Ion Ratio Lower Upper

43 100

61 29.2 22.3 33.5

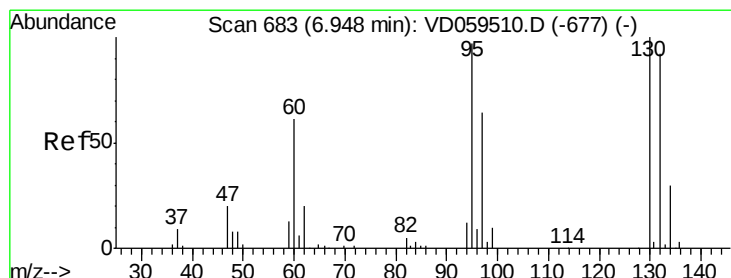
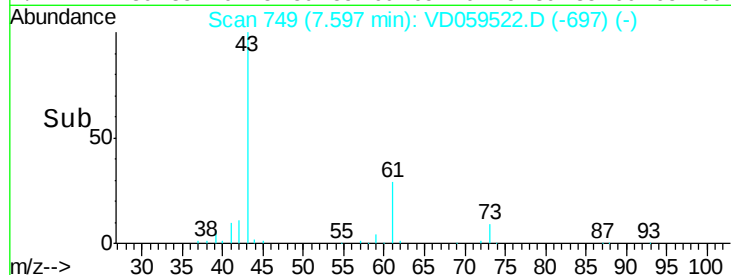
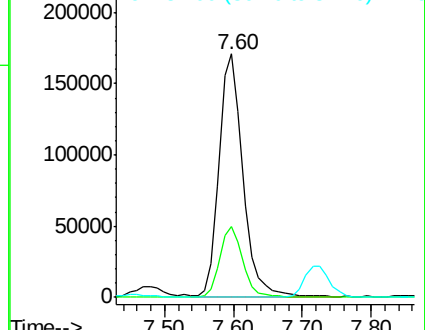
87 0.2 0.4 0.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 56.75 ug/l

RT: 6.96 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD059522.D

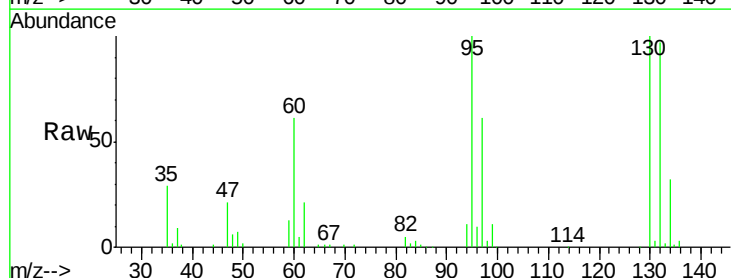
Acq: 3 Jul 2018 1:12

Tgt Ion:130 Resp: 390243

Ion Ratio Lower Upper

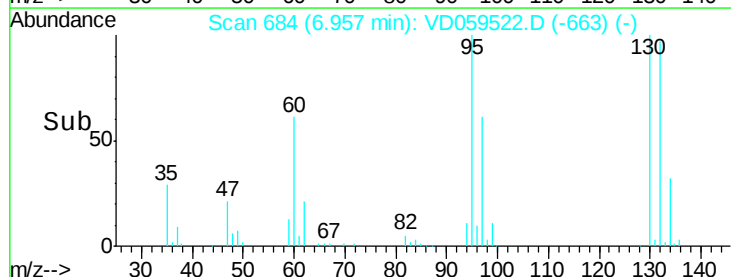
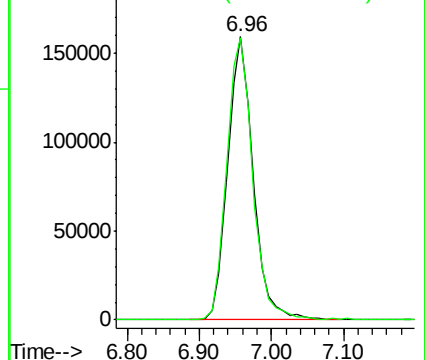
130 100

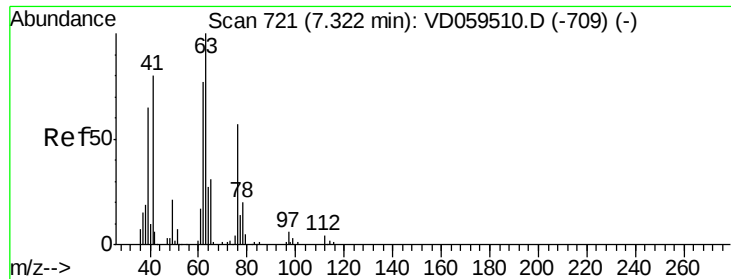
95 99.6 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.89 ug/l

RT: 7.32 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

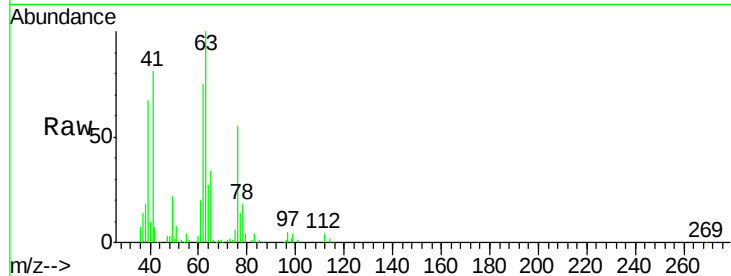
VSTDCCC050EC

Tot Ion: 63 Resp: 347622

Ion Ratio Lower Upper

63 100

65 33.7 24.4 36.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.32

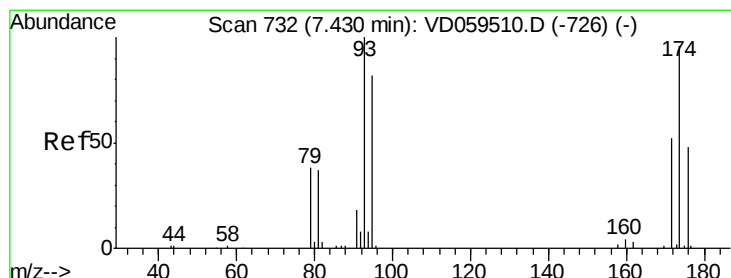
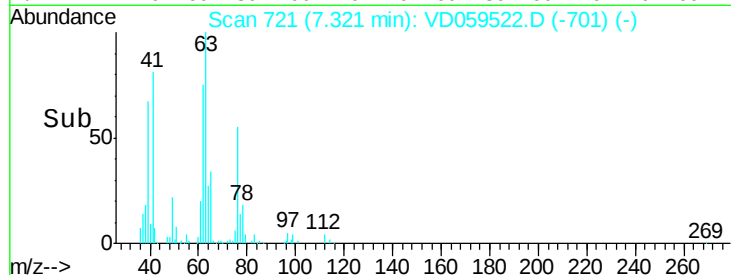
150000

100000

50000

0

Time--> 7.10 7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 55.26 ug/l

RT: 7.44 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

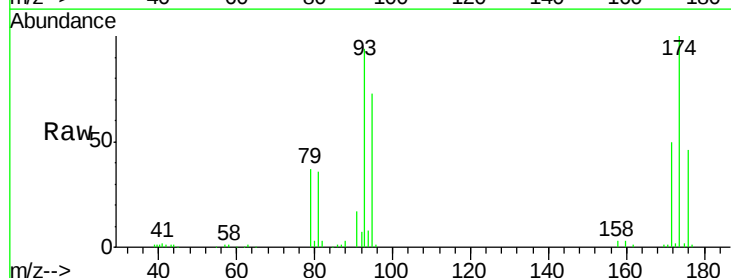
Tgt Ion: 93 Resp: 236845

Ion Ratio Lower Upper

93 100

95 77.3 65.7 98.5

174 106.1 77.2 115.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

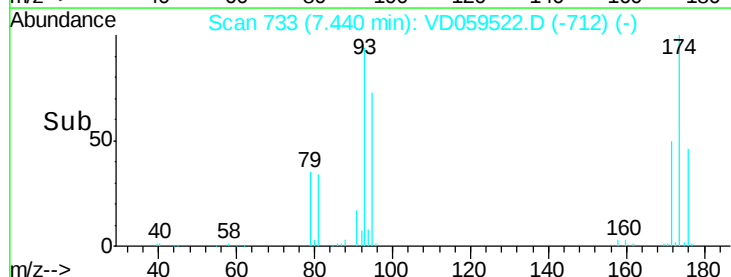
150000

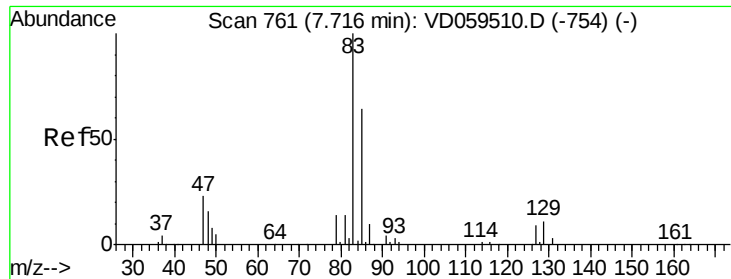
100000

50000

0

Time--> 7.30 7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 56.91 ug/l

RT: 7.72 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

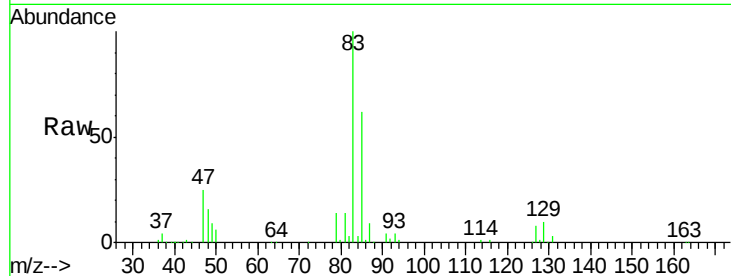
Tot Ion: 83 Resp: 567747

Ion Ratio Lower Upper

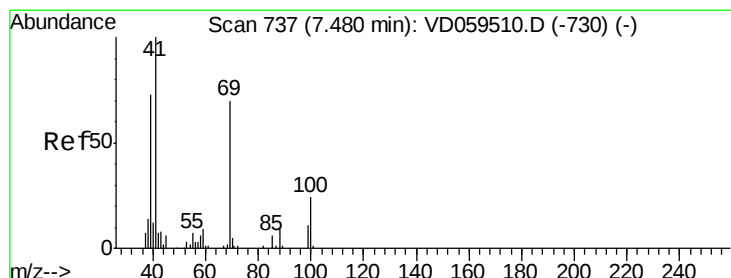
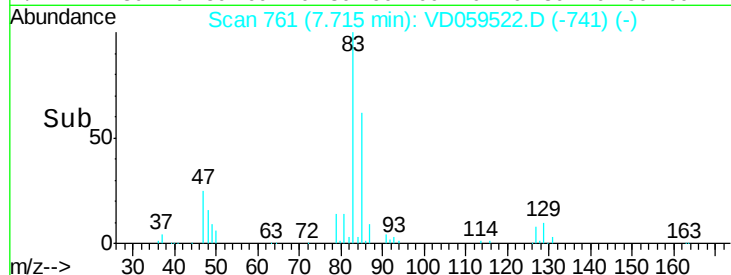
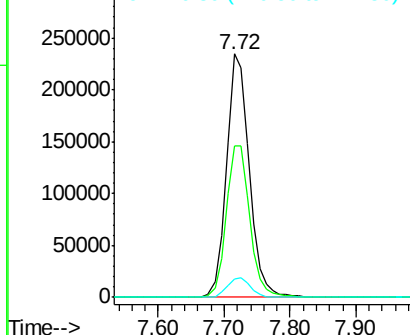
83 100

85 62.0 51.0 76.4

127 7.7 7.0 10.6



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): V



#48

Methyl methacrylate

Concen: 55.89 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

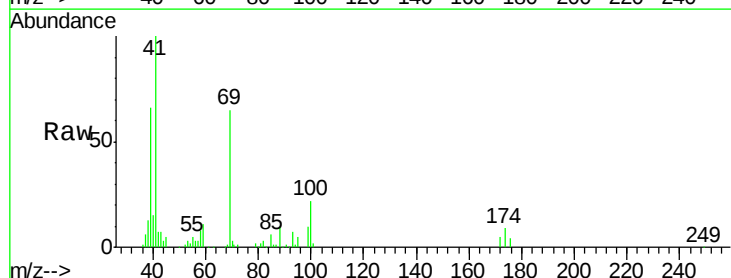
Tgt Ion: 41 Resp: 252534

Ion Ratio Lower Upper

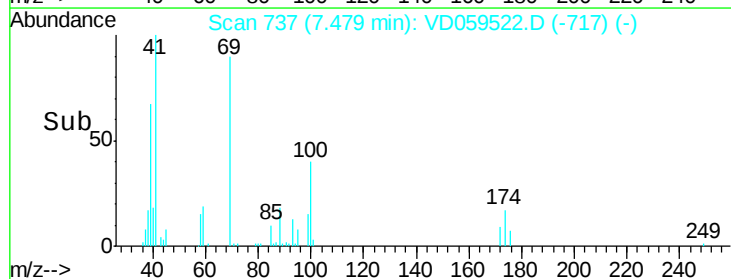
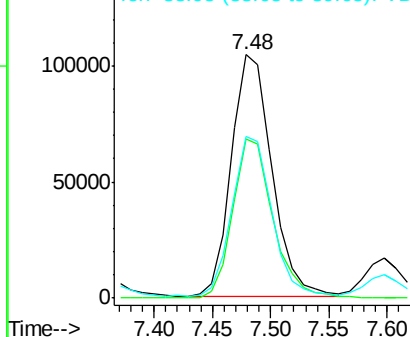
41 100

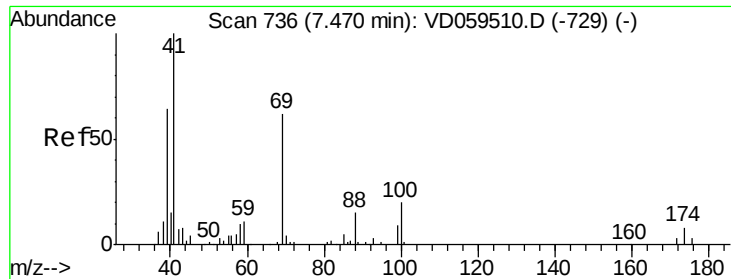
69 65.4 55.8 83.8

39 66.5 58.7 88.1



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

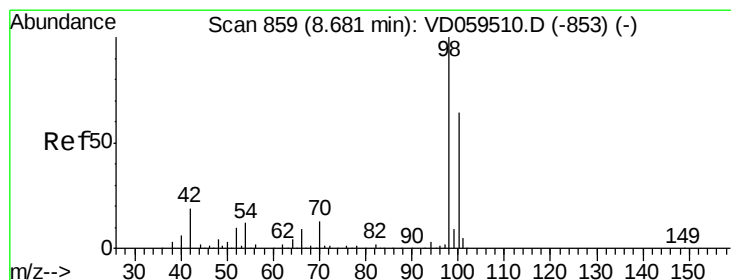
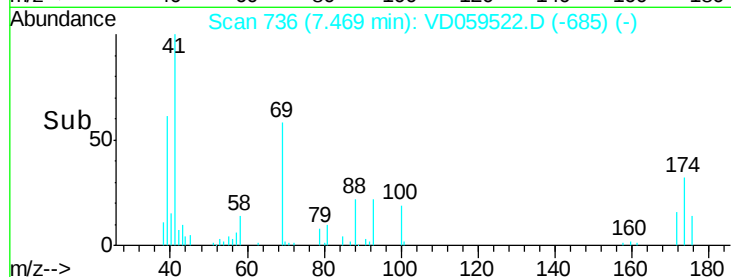
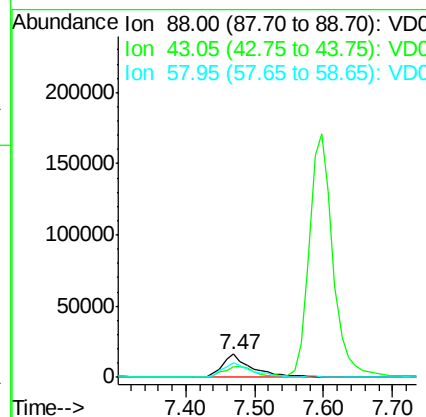
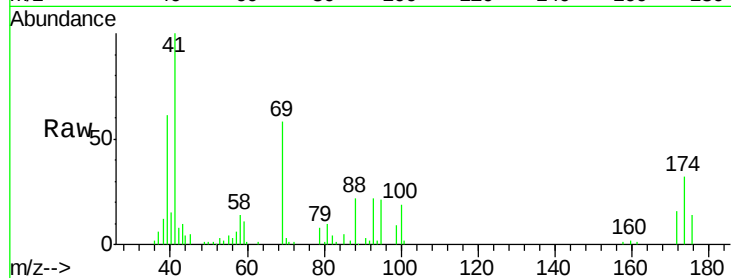




#49
1,4-Dioxane
Concen: 1136.28 ug/l
RT: 7.47 min Scan# 736
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

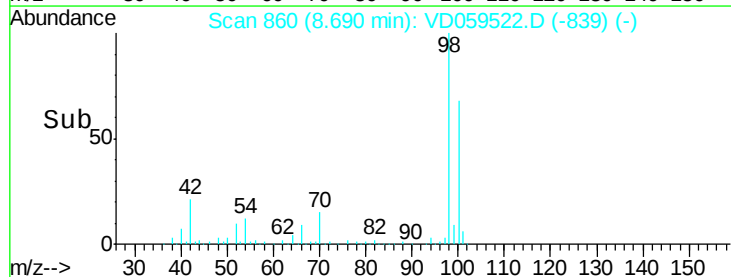
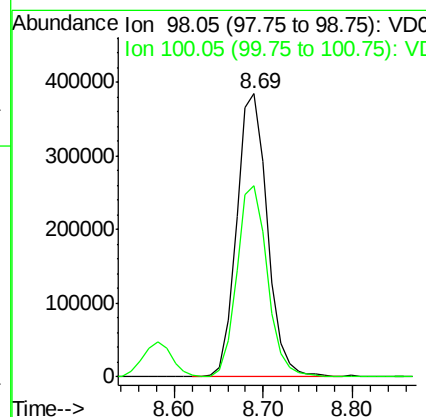
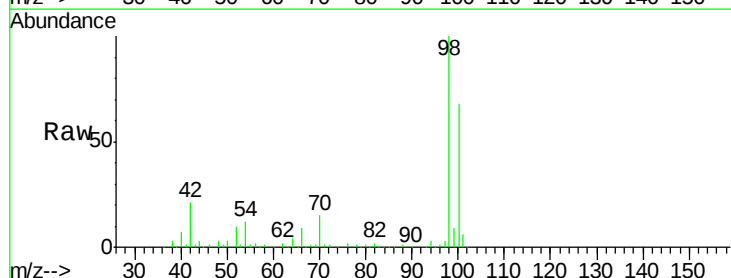
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

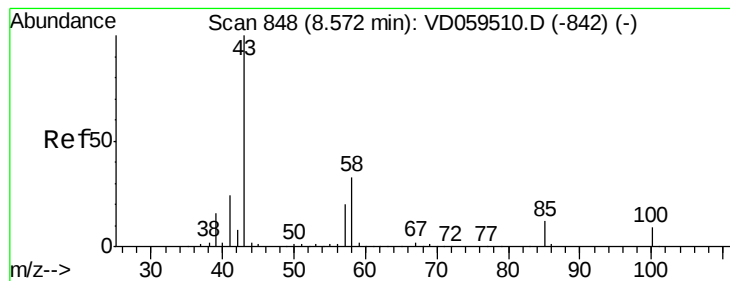
Tot Ion: 88 Resp: 47843
Ion Ratio Lower Upper
88 100
43 45.0 41.4 62.0
58 62.0 49.4 74.2



#50
Toluene-d8
Concen: 1136.28 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 98 Resp: 924545
Ion Ratio Lower Upper
98 100
100 67.7 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 269.60 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

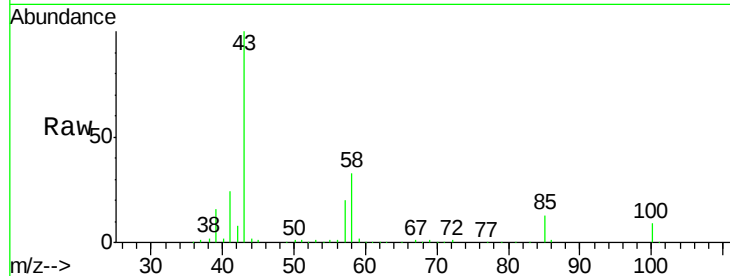
VSTDCCC050EC

Tot Ion: 43 Resp: 1275614

Ion Ratio Lower Upper

43 100

58 32.6 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.58

600000

500000

400000

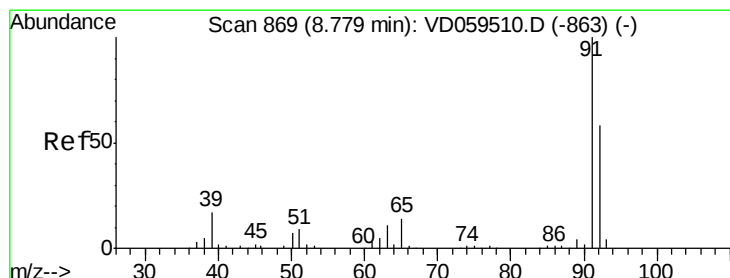
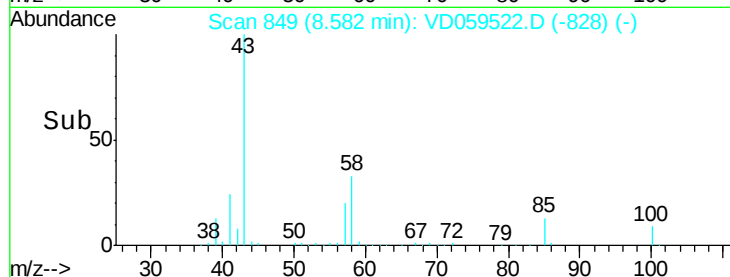
300000

200000

100000

0

Time--> 8.40 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 53.48 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059522.D

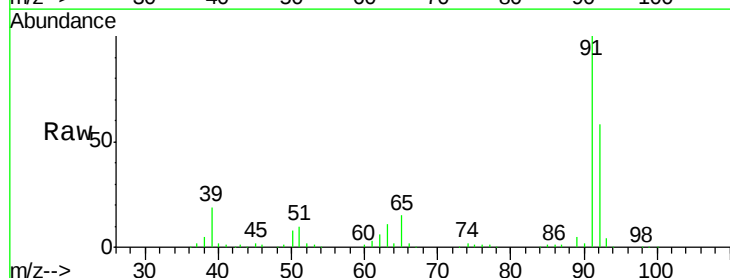
Acq: 3 Jul 2018 1:12

Tgt Ion: 92 Resp: 668812

Ion Ratio Lower Upper

92 100

91 171.0 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.78

600000

500000

400000

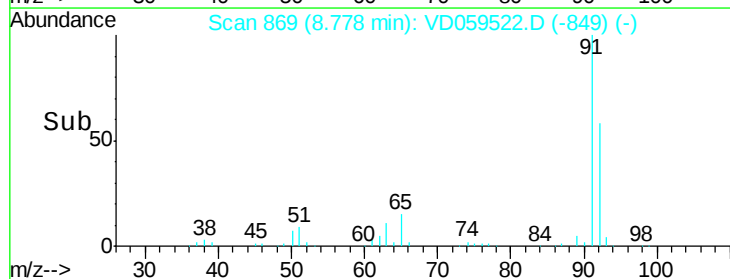
300000

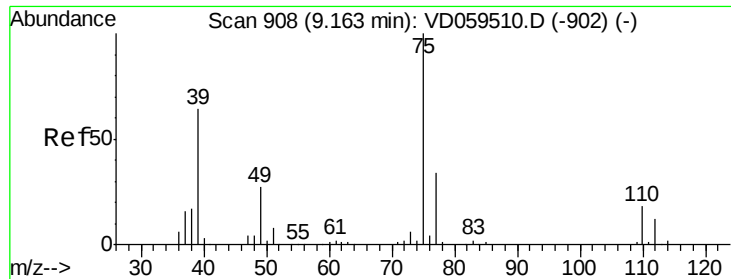
200000

100000

0

Time--> 8.70 8.80 8.90 9.00

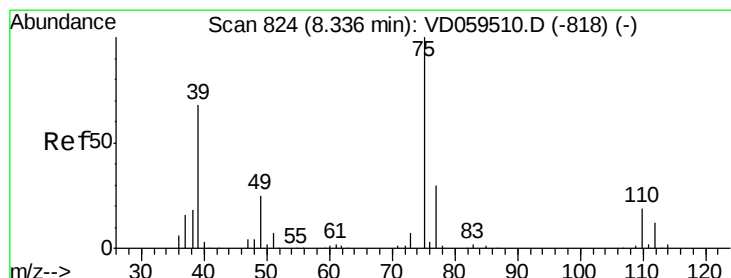
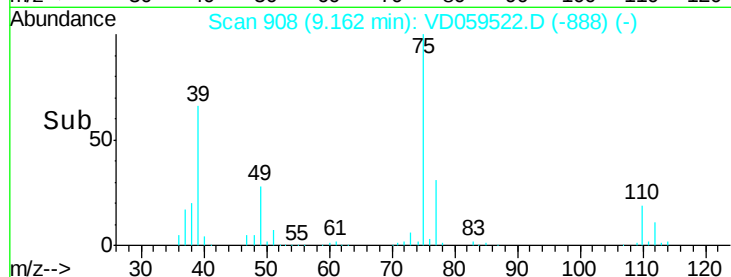
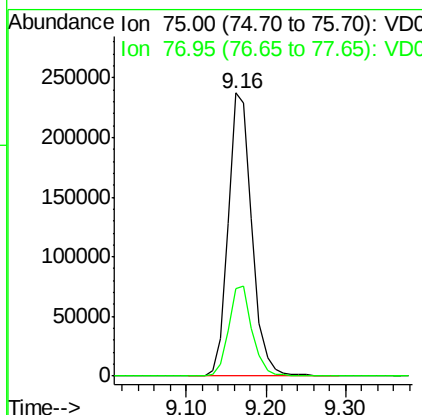
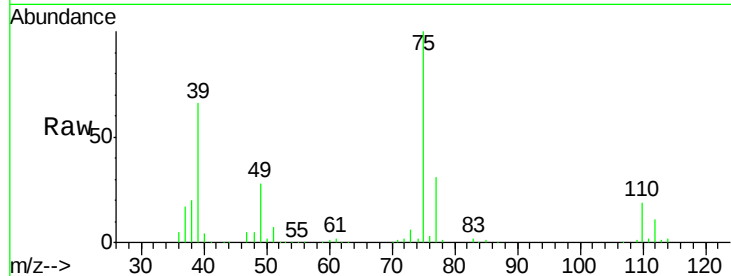




#53
 t-1,3-Dichloropropene
 Concen: 56.83 ug/l
 RT: 9.16 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

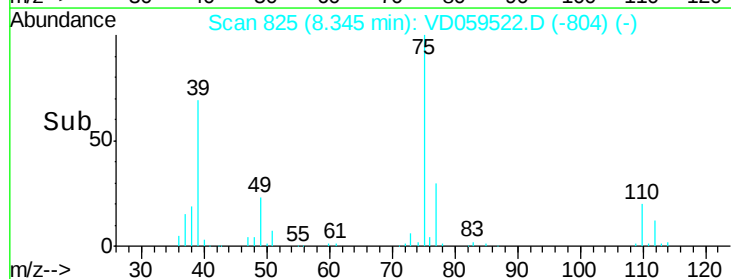
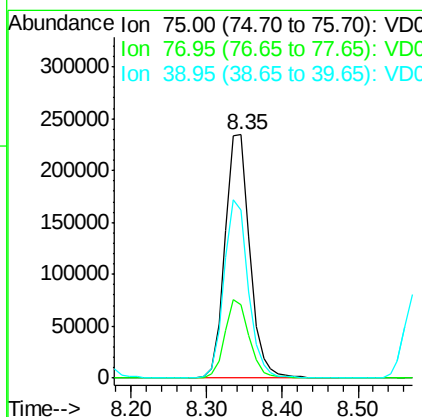
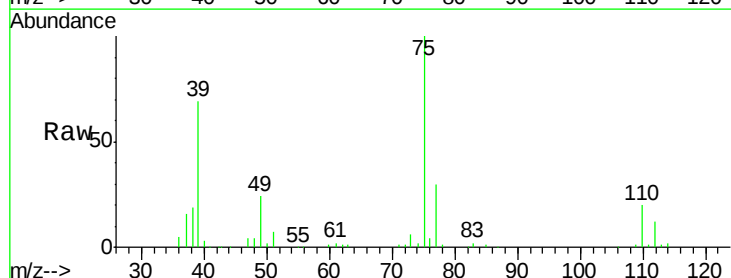
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

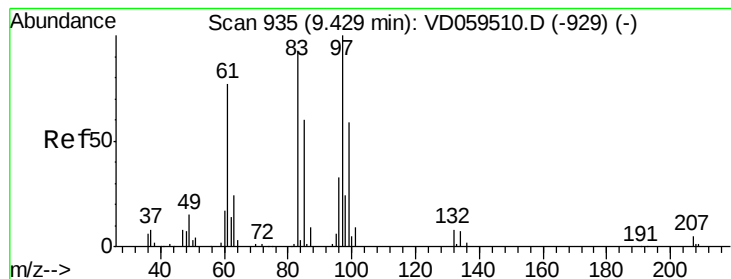
Tot Ion: 75 Resp: 493765
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 52.78 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

Tgt Ion: 75 Resp: 531780
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.4 36.6
 39 69.2 54.7 82.1





#55

1,1,2-Trichloroethane

Concen: 54.25 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 248826

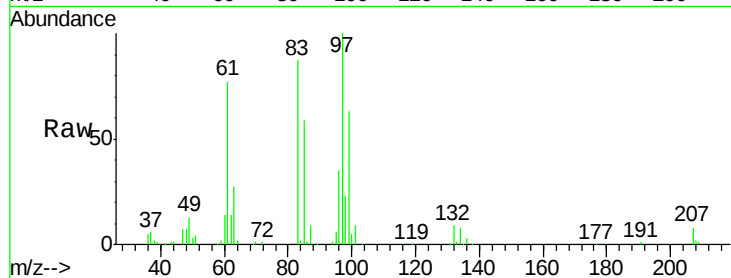
Ion Ratio Lower Upper

97 100

83 87.0 74.3 111.5

85 59.2 48.1 72.1

99 62.7 47.2 70.8

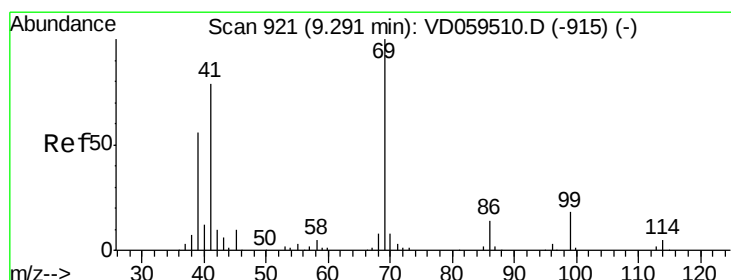
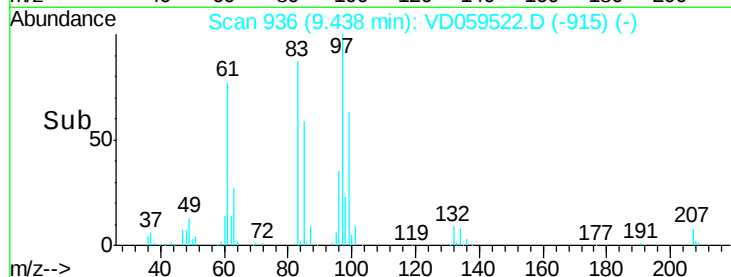
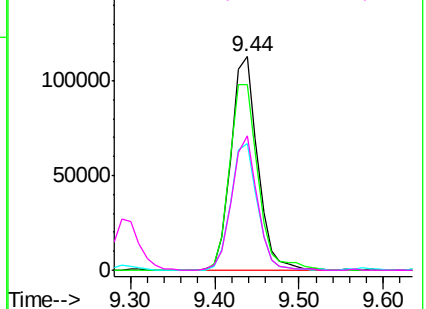


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 54.50 ug/l

RT: 9.29 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

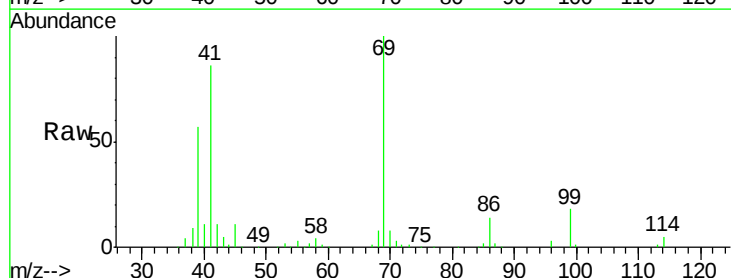
Tgt Ion: 69 Resp: 313175

Ion Ratio Lower Upper

69 100

41 85.8 63.4 95.0

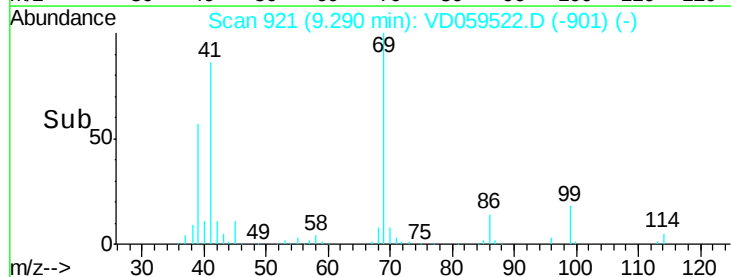
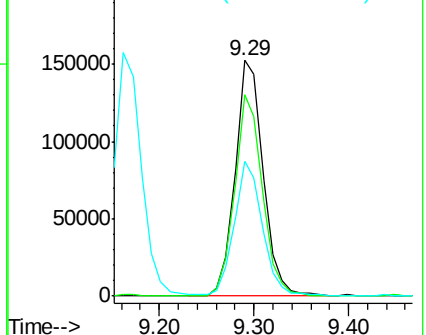
39 57.3 45.0 67.6

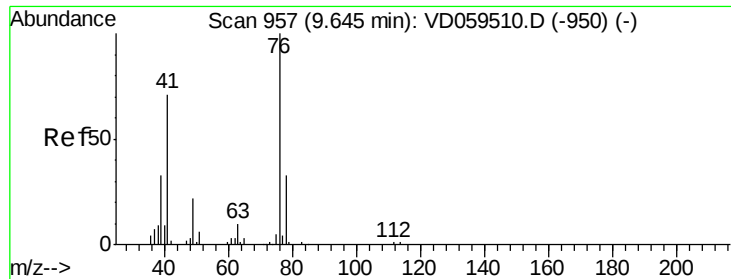


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.86 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

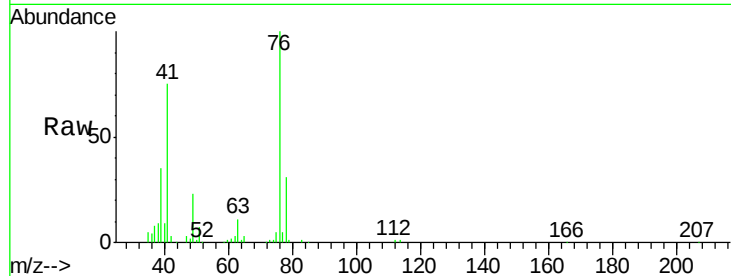
VSTDCCC050EC

Tot Ion: 76 Resp: 436772

Ion Ratio Lower Upper

76 100

78 30.6 26.5 39.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

100000

50000

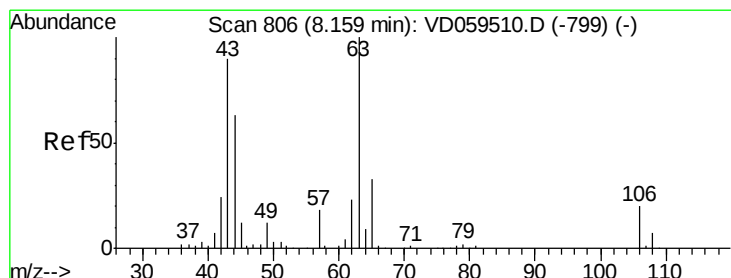
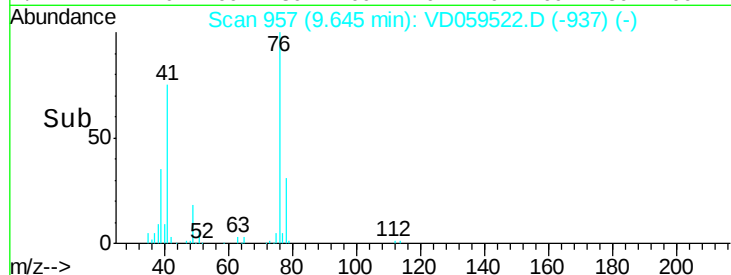
0

9.60

9.64

9.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 260.57 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059522.D

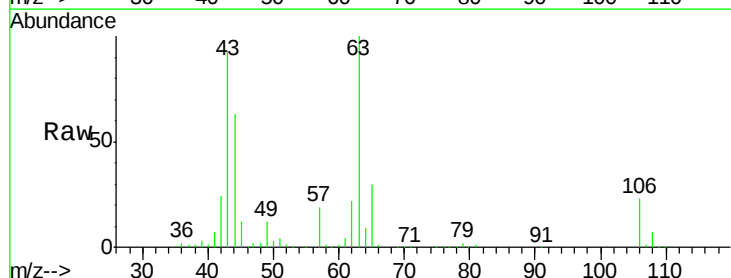
Acq: 3 Jul 2018 1:12

Tgt Ion: 63 Resp: 724178

Ion Ratio Lower Upper

63 100

106 22.8 16.4 24.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

300000

200000

100000

0

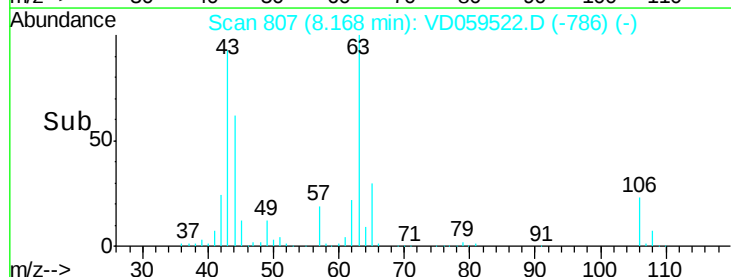
8.10

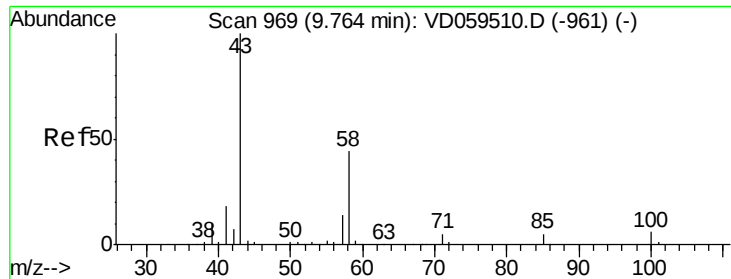
8.17

8.20

8.30

Time-->

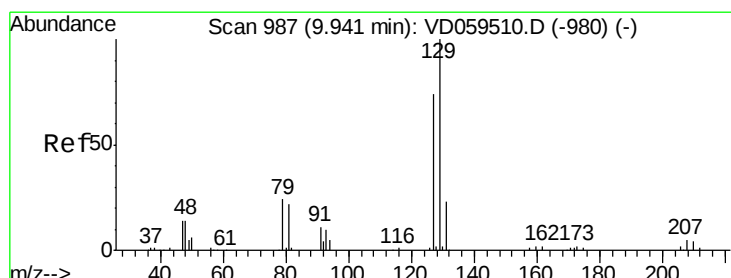
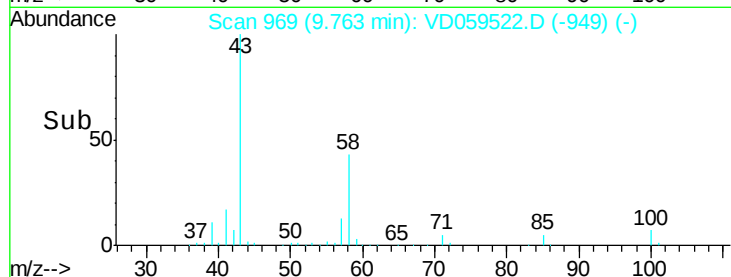
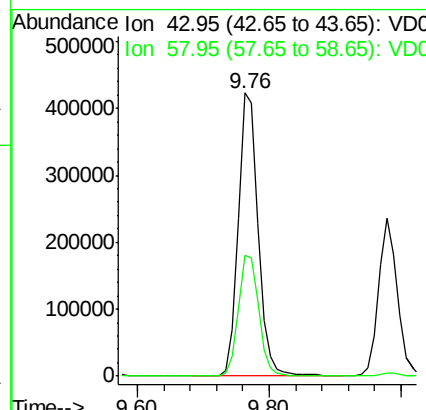
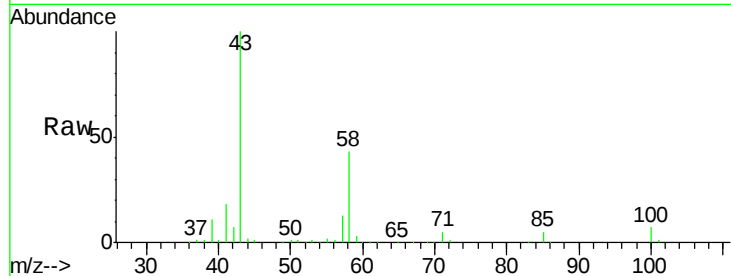




#59
2-Hexanone
Concen: 258.48 ug/l
RT: 9.76 min Scan# 969
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

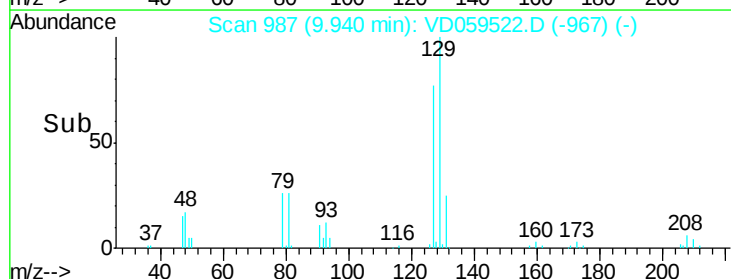
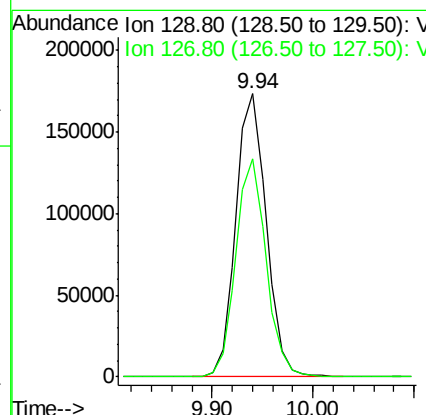
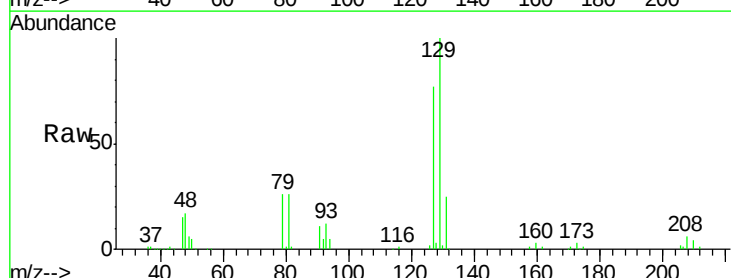
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

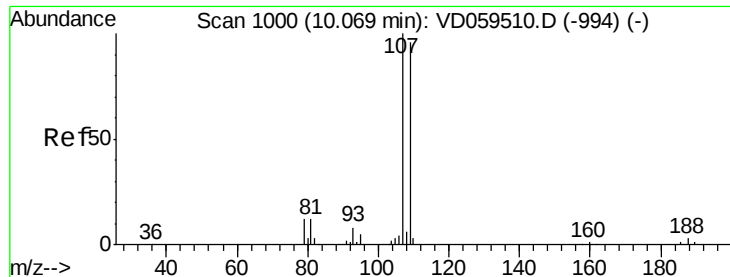
Tot Ion: 43 Resp: 899524
Ion Ratio Lower Upper
43 100
58 42.6 22.0 66.0



#60
Dibromochloromethane
Concen: 56.75 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 129 Resp: 363287
Ion Ratio Lower Upper
129 100
127 76.9 37.2 111.6





#61

1,2-Dibromoethane

Concen: 54.09 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

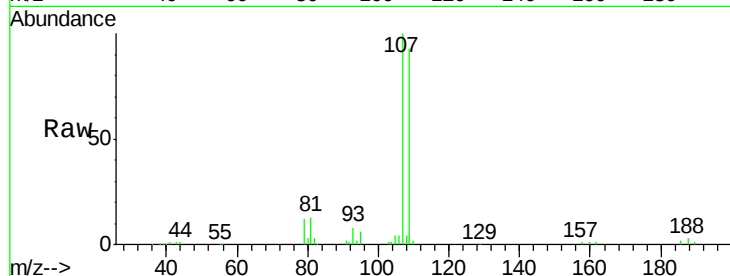
VSTDCCC050EC

Tot Ion:107 Resp: 274613

Ion Ratio Lower Upper

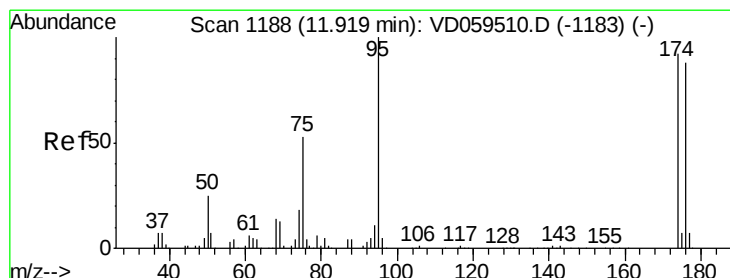
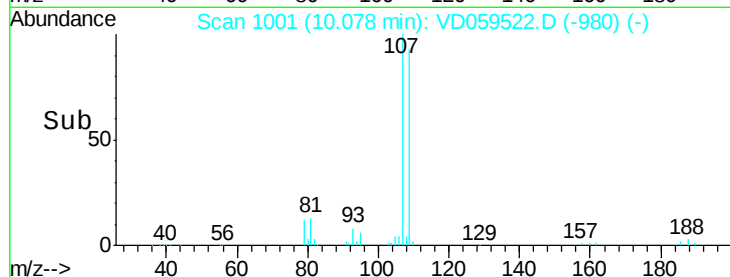
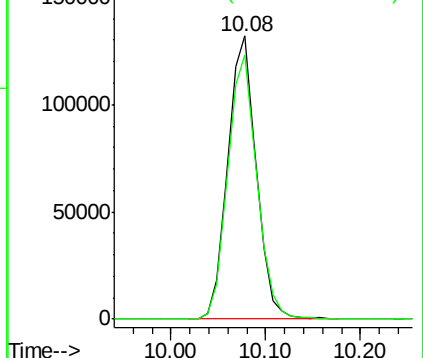
107 100

109 93.5 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.09 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

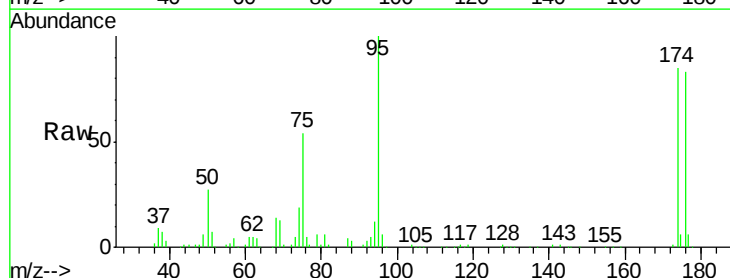
Tgt Ion: 95 Resp: 382869

Ion Ratio Lower Upper

95 100

174 84.6 0.0 183.0

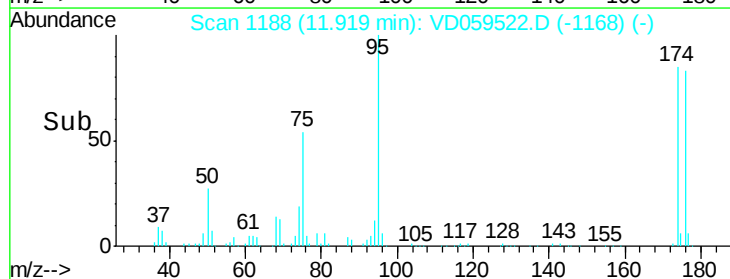
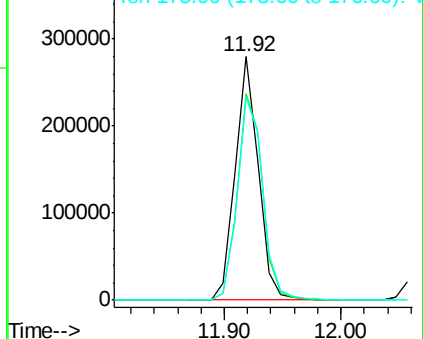
176 83.4 0.0 176.6

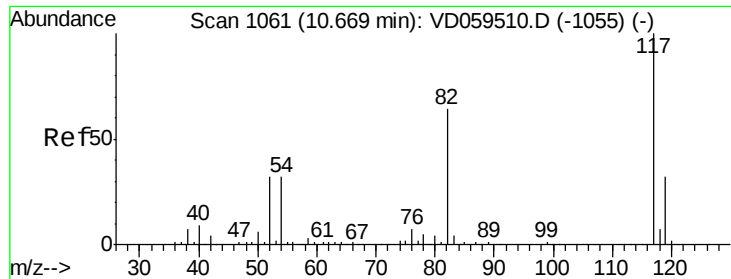


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

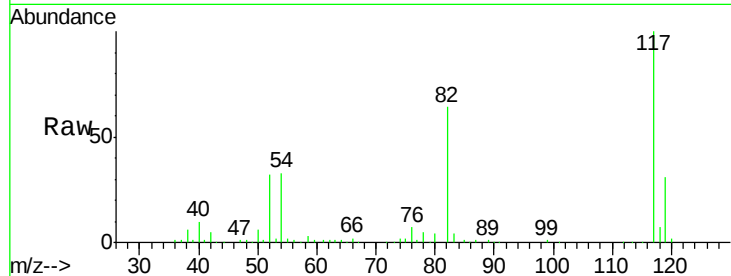




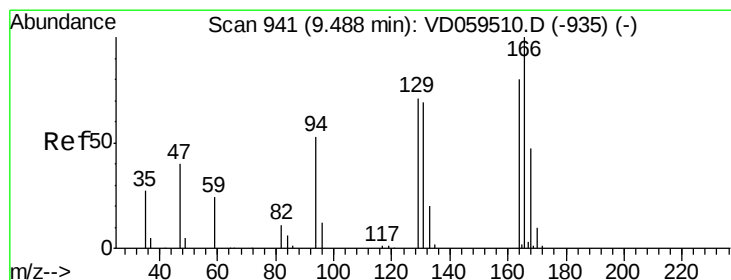
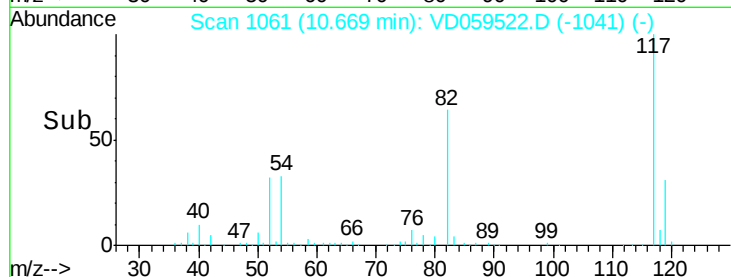
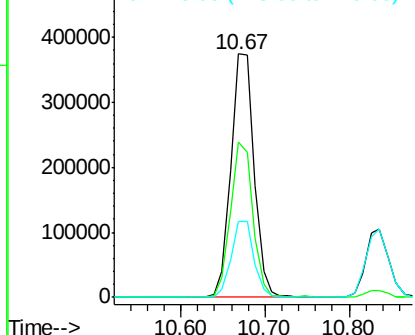
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 720304
Ion Ratio Lower Upper
117 100
82 63.8 51.1 76.7
119 31.2 25.6 38.4

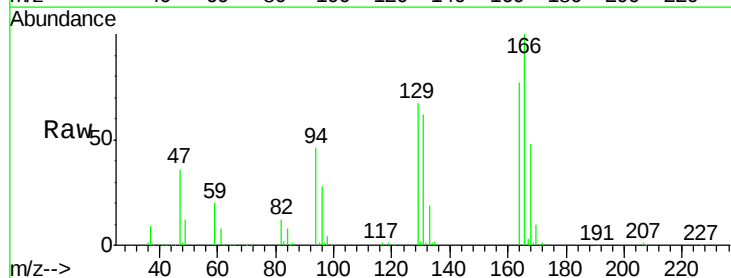


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

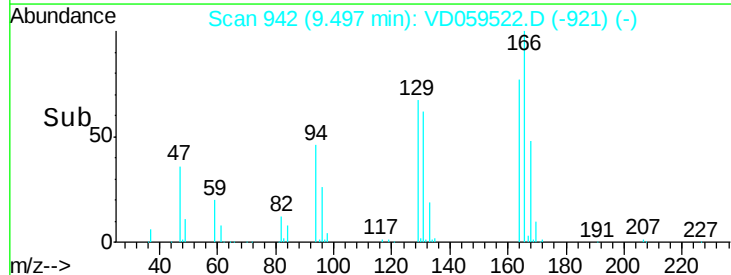
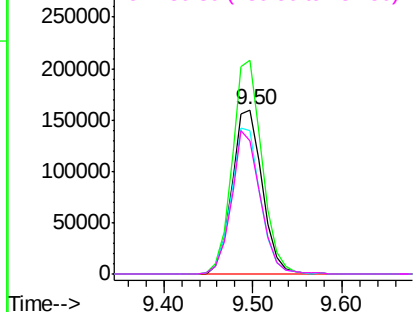


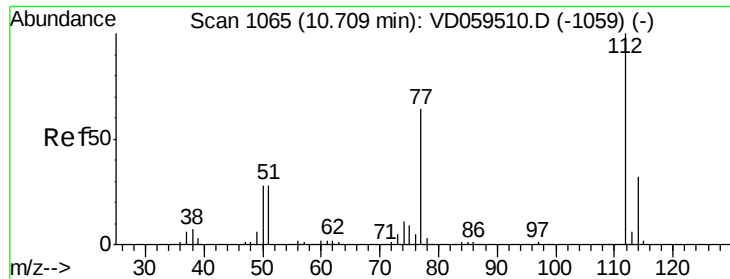
#64
Tetrachloroethene
Concen: 60.90 ug/l
RT: 9.50 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion:164 Resp: 377322
Ion Ratio Lower Upper
164 100
166 129.8 99.5 149.3
129 87.5 70.9 106.3
131 80.7 68.8 103.2



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

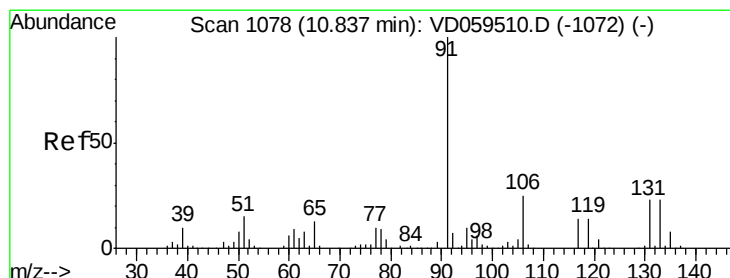
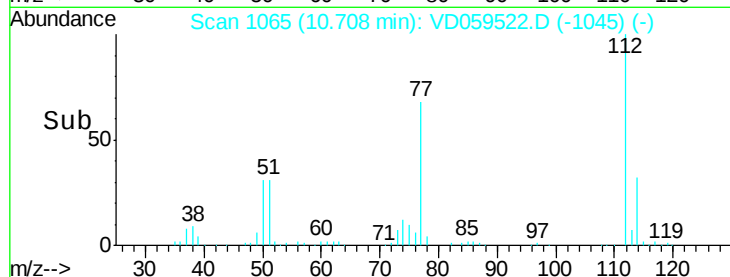
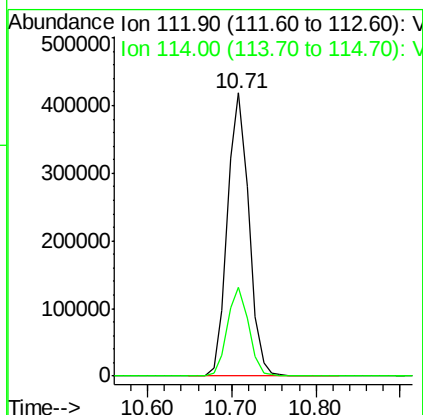
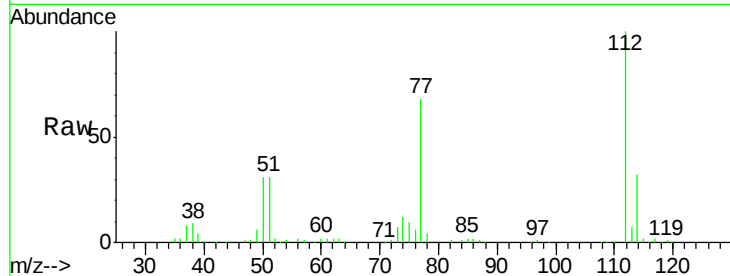




#65
Chlorobenzene
Concen: 53.46 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

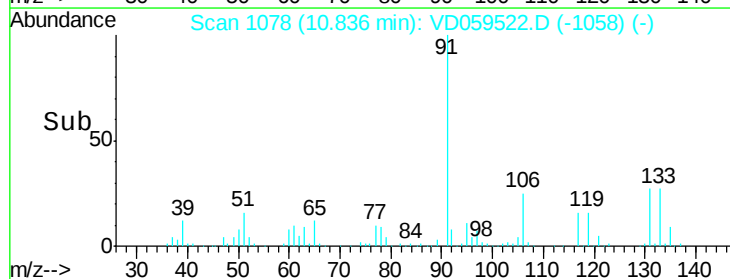
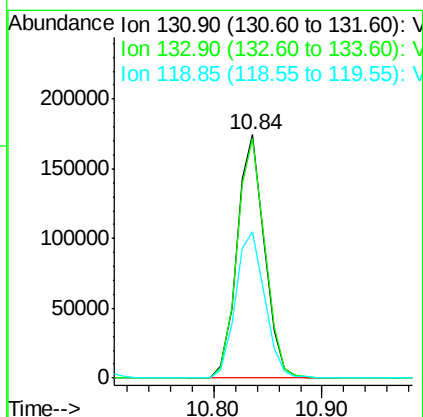
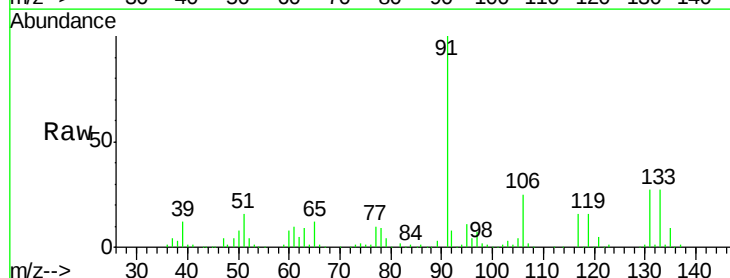
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

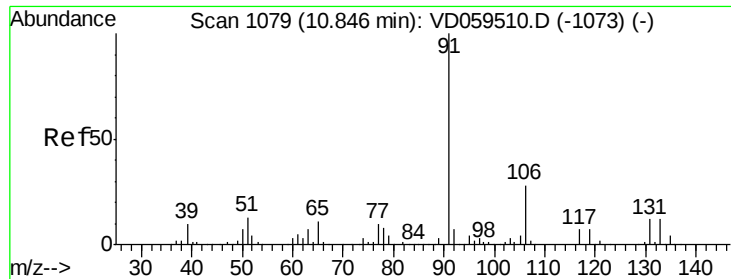
Tot Ion:112 Resp: 741874
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.31 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion:131 Resp: 306864
Ion Ratio Lower Upper
131 100
133 98.5 48.9 146.6
119 59.9 30.7 92.1

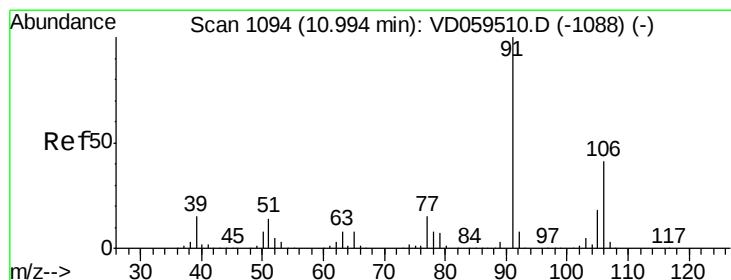
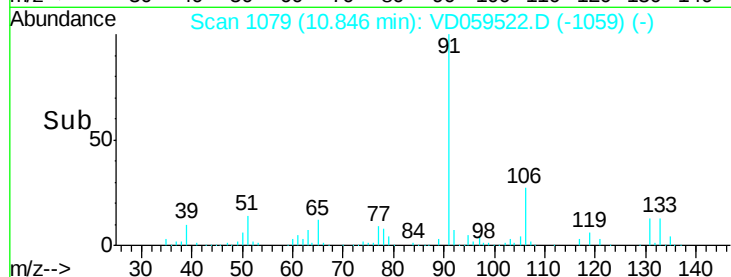
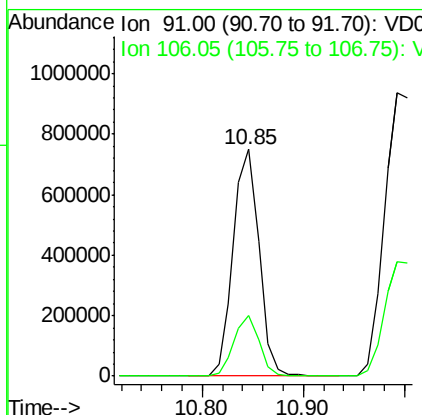
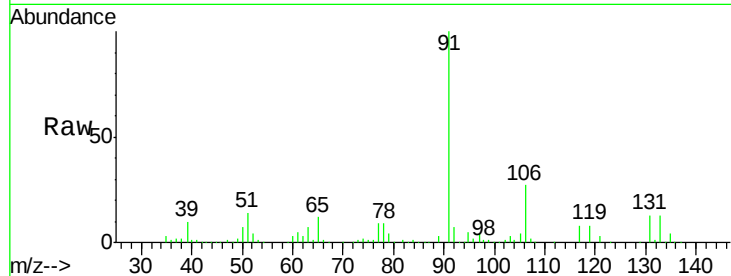




#67
Ethyl Benzene
Concen: 54.45 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

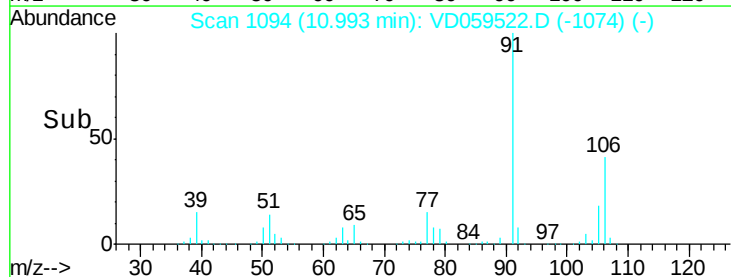
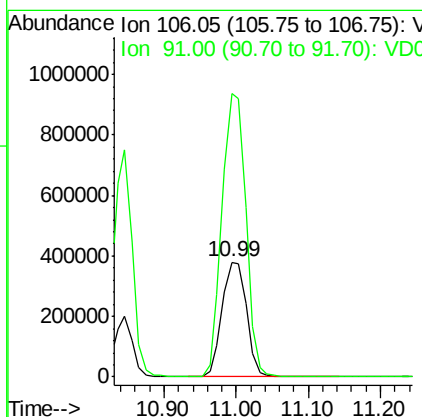
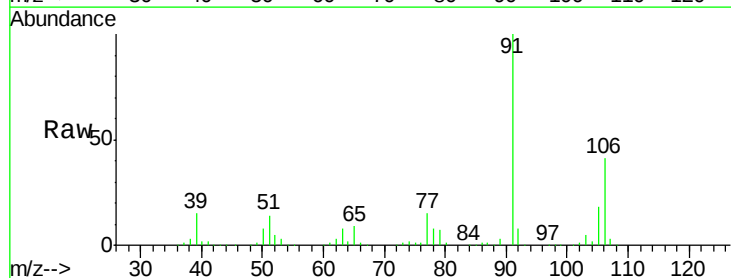
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

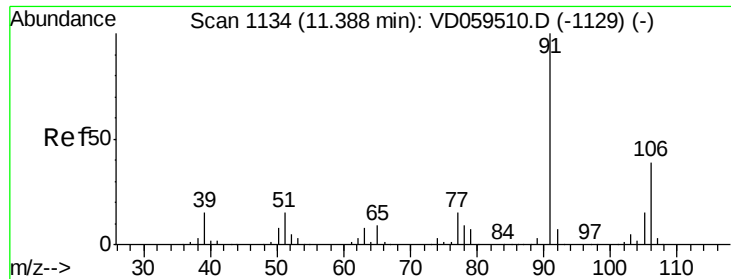
Tot Ion: 91 Resp: 1339806
Ion Ratio Lower Upper
91 100
106 26.8 22.2 33.2



#68
m/p-Xylenes
Concen: 109.96 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 106 Resp: 892610
Ion Ratio Lower Upper
106 100
91 246.3 194.1 291.1

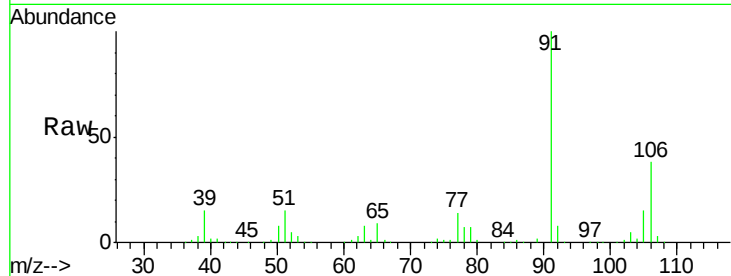




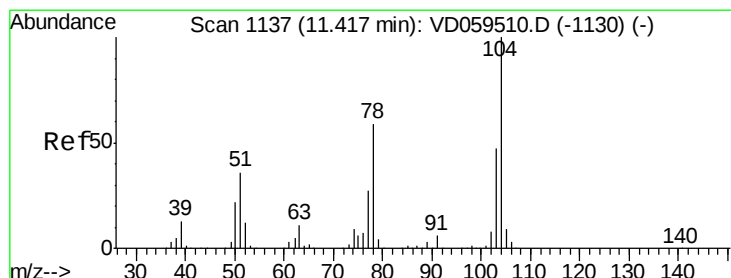
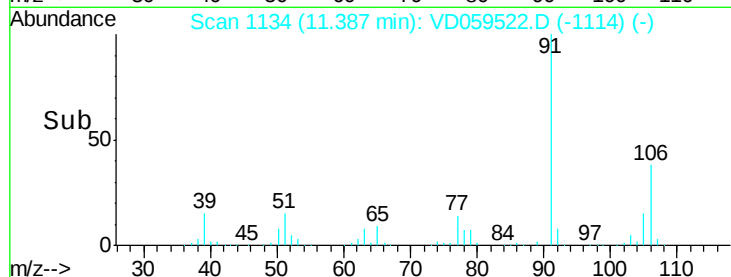
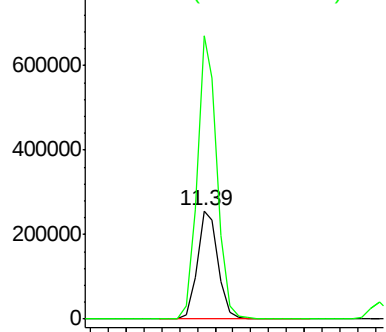
#69
o-Xylene
Concen: 53.93 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 421822
Ion Ratio Lower Upper
106 100
91 261.0 127.0 381.0

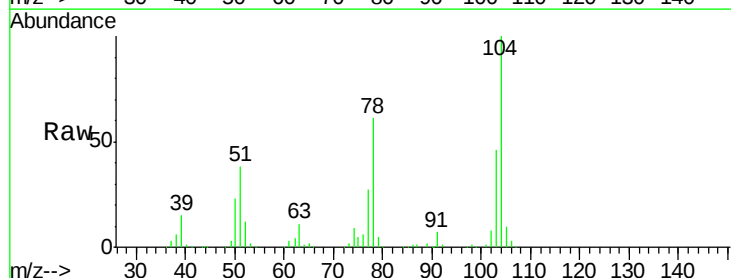


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

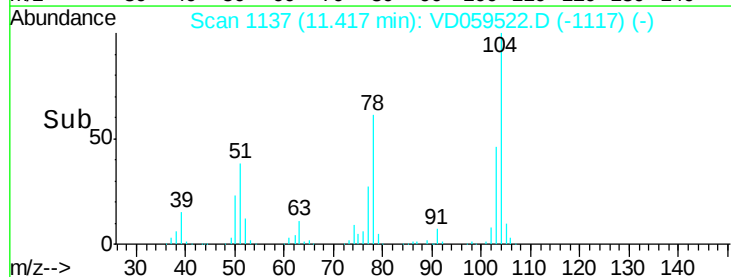
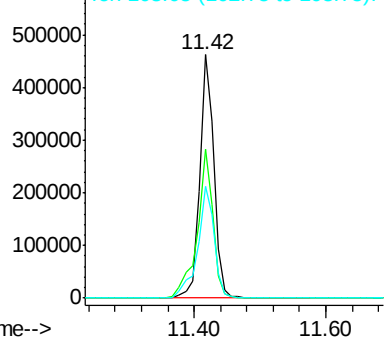


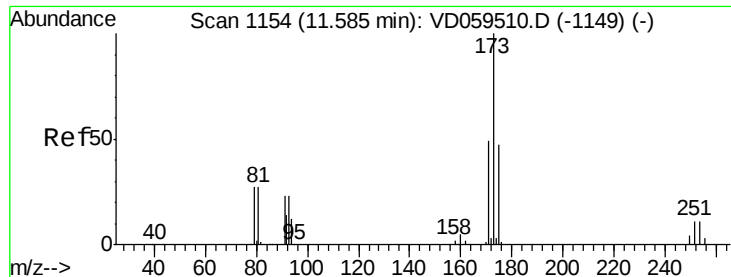
#70
Styrene
Concen: 53.01 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion:104 Resp: 695067
Ion Ratio Lower Upper
104 100
78 61.0 47.6 71.4
103 45.8 37.6 56.4



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

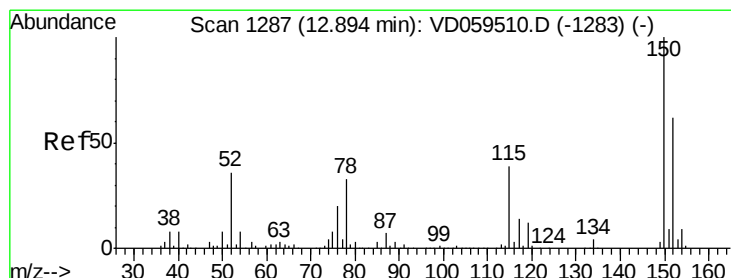
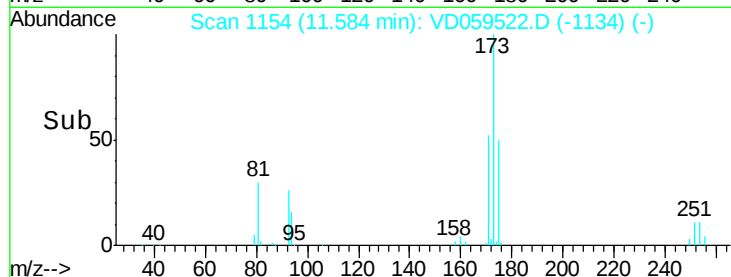
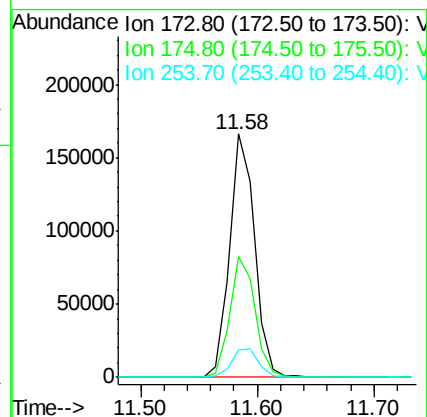
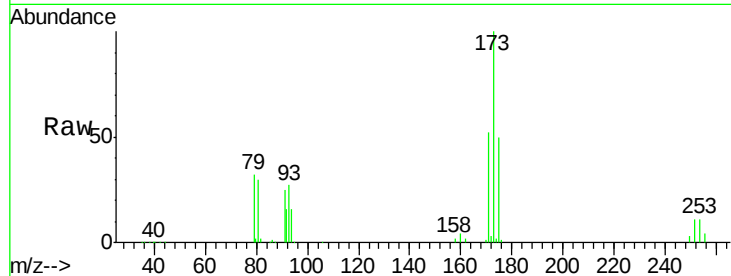




#71
Bromoform
Concen: 57.90 ug/l
RT: 11.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

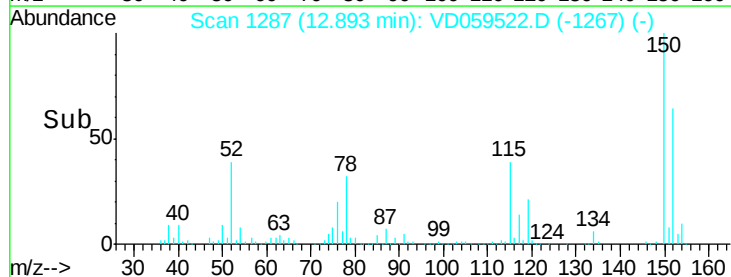
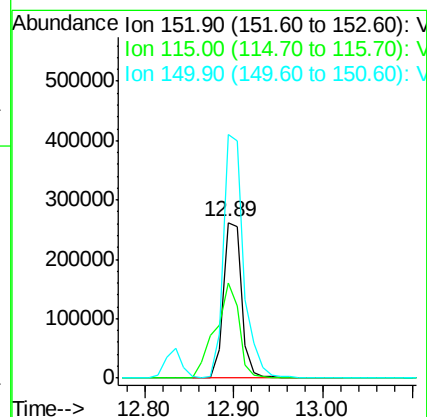
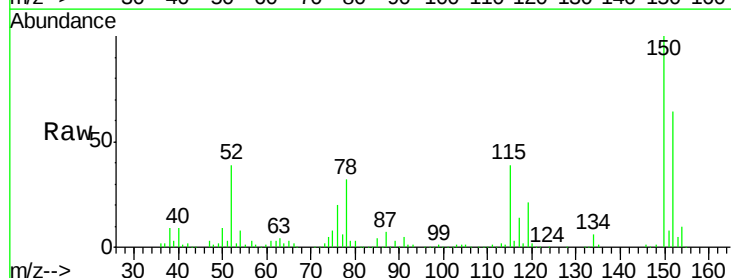
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

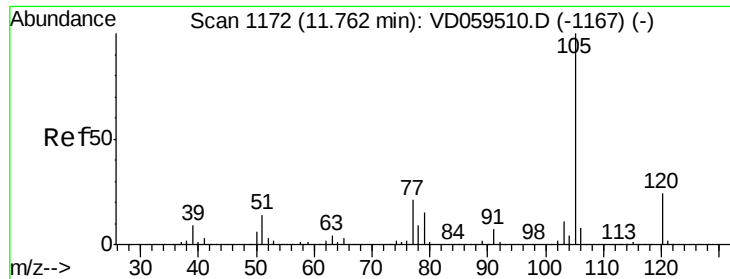
Tot Ion:173 Resp: 246957
Ion Ratio Lower Upper
173 100
175 49.7 23.3 69.8
254 11.4 9.0 13.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion:152 Resp: 380263
Ion Ratio Lower Upper
152 100
115 61.3 31.3 93.9
150 156.7 0.0 323.6





#73

Isopropylbenzene

Concen: 52.90 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

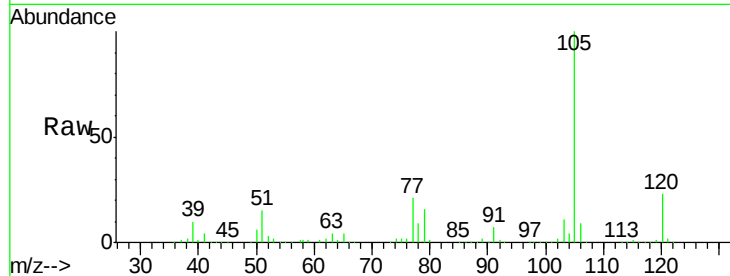
VSTDCCC050EC

Tot Ion:105 Resp: 1202004

Ion Ratio Lower Upper

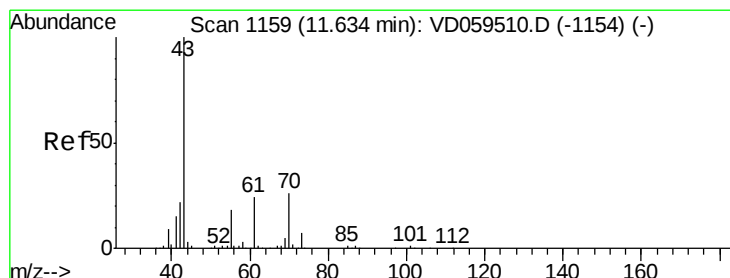
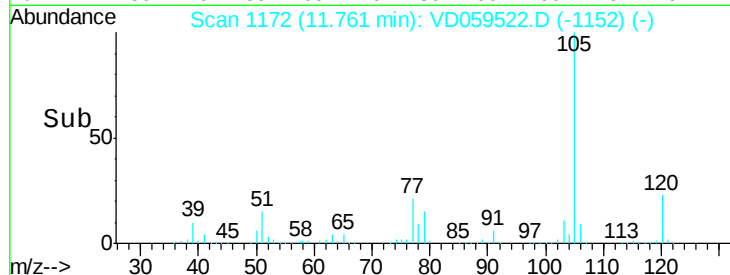
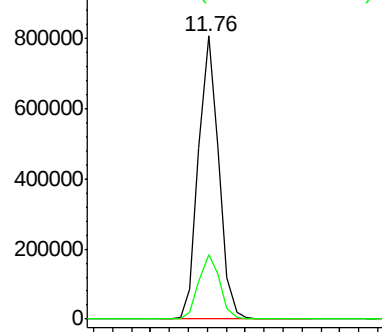
105 100

120 22.7 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.46 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Tgt Ion: 43 Resp: 522303

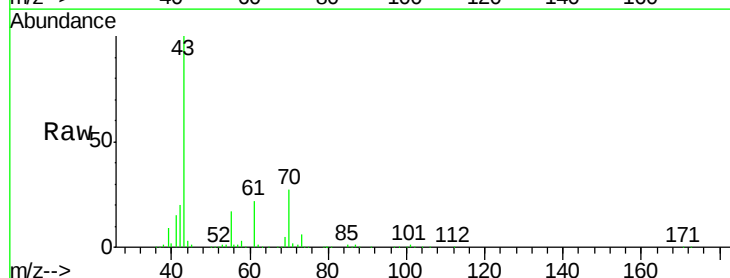
Ion Ratio Lower Upper

43 100

70 26.6 20.6 31.0

55 16.8 14.4 21.6

61 22.3 19.2 28.8

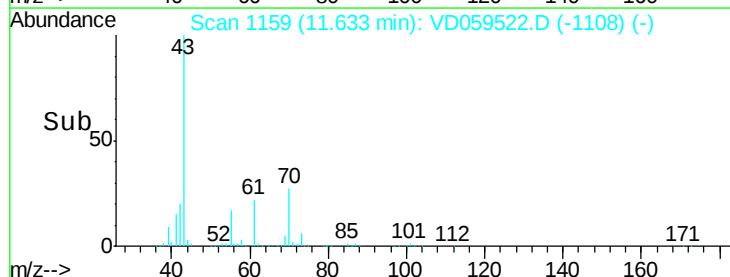
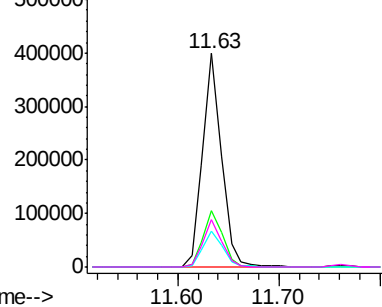


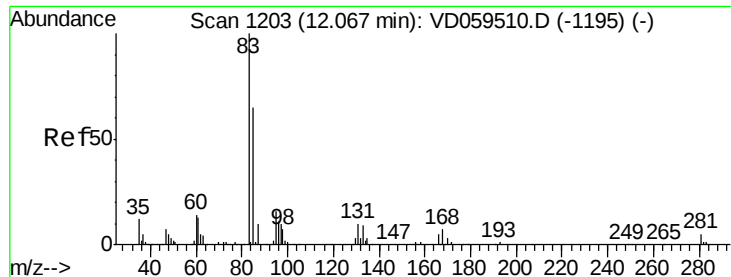
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 51.30 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

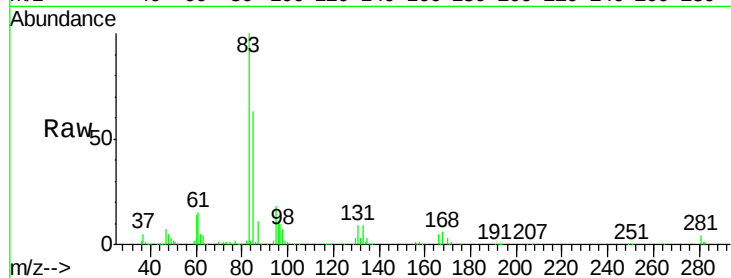
Tot Ion: 83 Resp: 302071

Ion Ratio Lower Upper

83 100

131 9.3 5.0 15.0

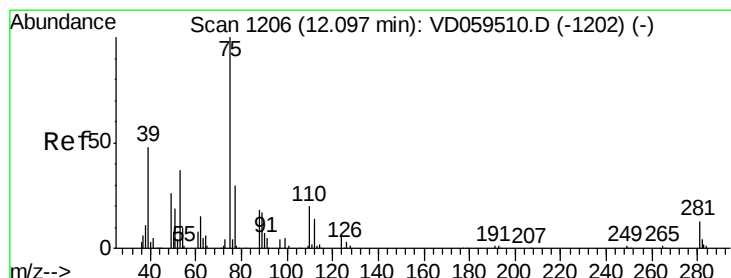
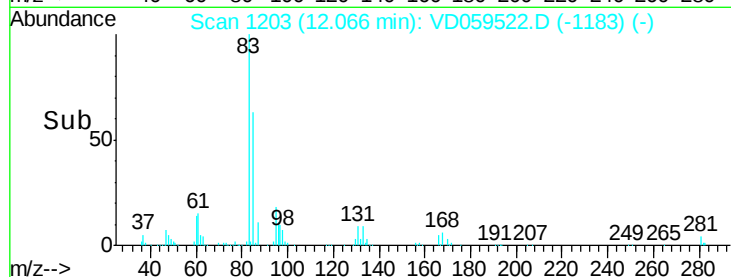
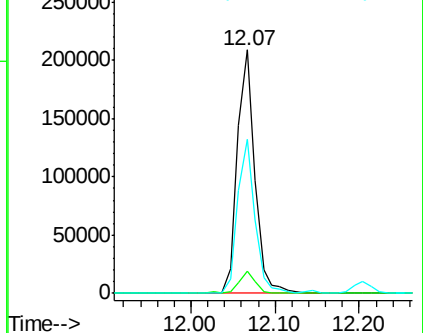
85 63.1 32.3 96.8



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: 52.66 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VD059522.D

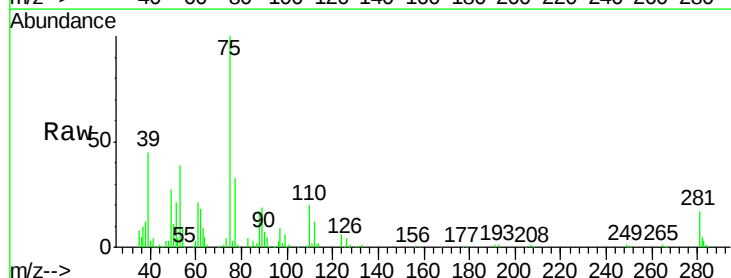
Acq: 3 Jul 2018 1:12

Tgt Ion: 75 Resp: 323134

Ion Ratio Lower Upper

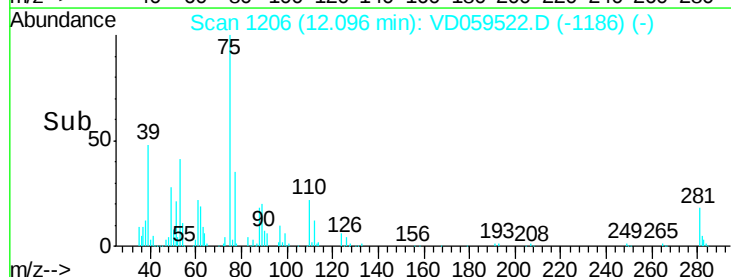
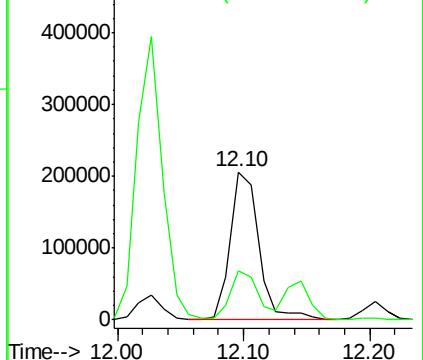
75 100

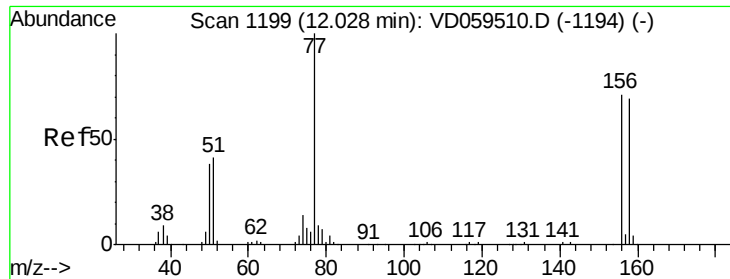
77 33.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.54 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

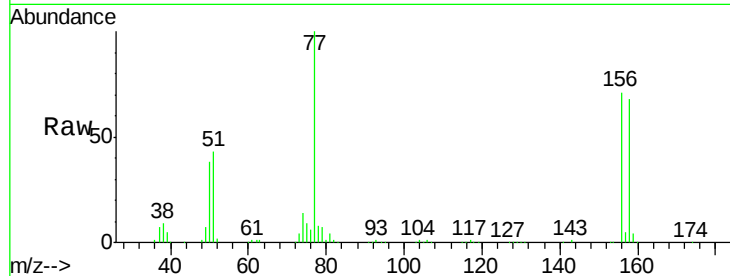
Tot Ion:156 Resp: 381896

Ion Ratio Lower Upper

156 100

77 141.4 70.0 210.0

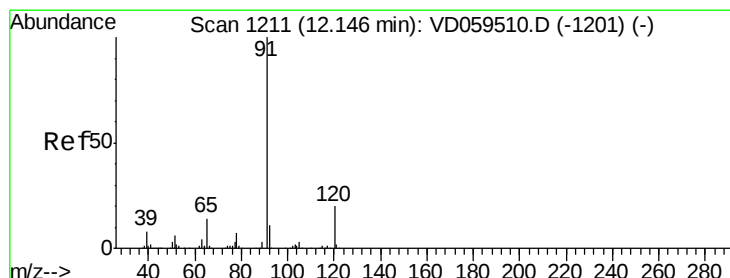
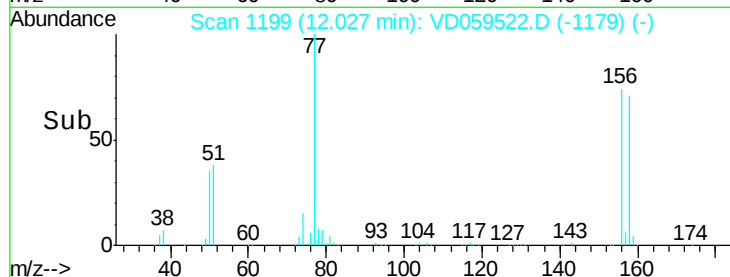
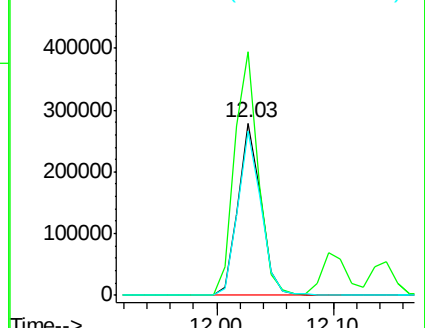
158 95.6 48.3 144.9



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: 52.03 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059522.D

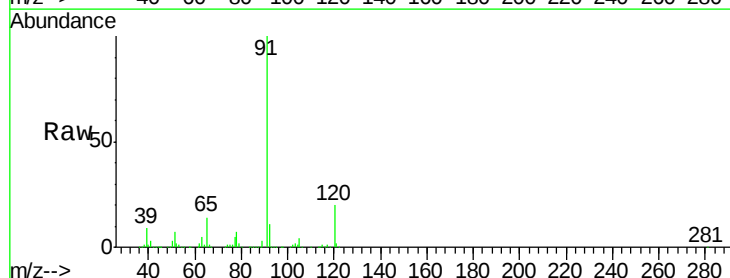
Acq: 3 Jul 2018 1:12

Tgt Ion: 91 Resp: 1583773

Ion Ratio Lower Upper

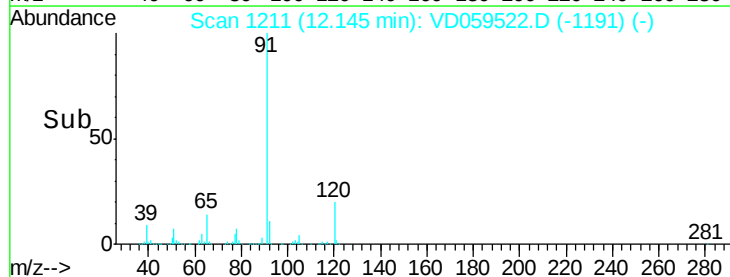
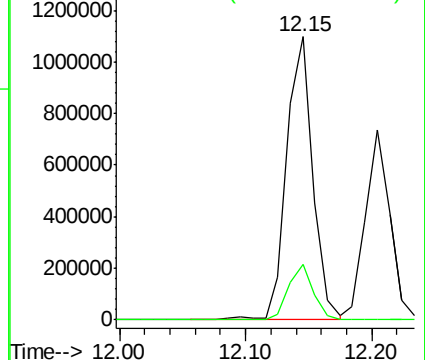
91 100

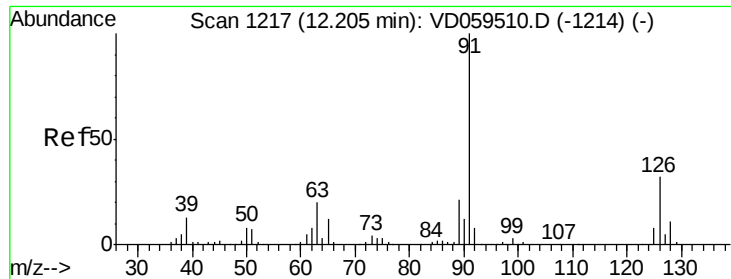
120 19.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

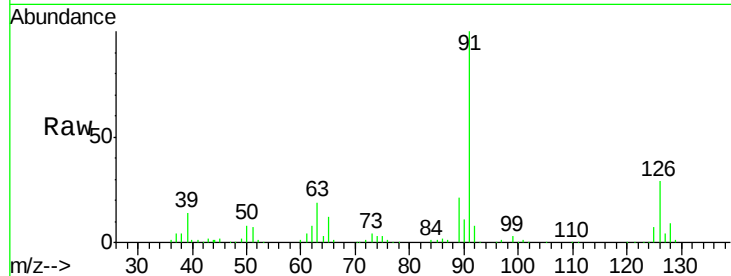




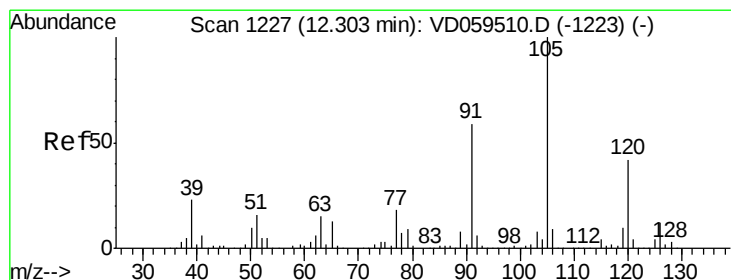
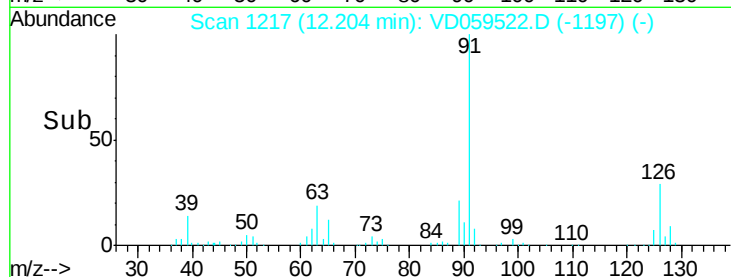
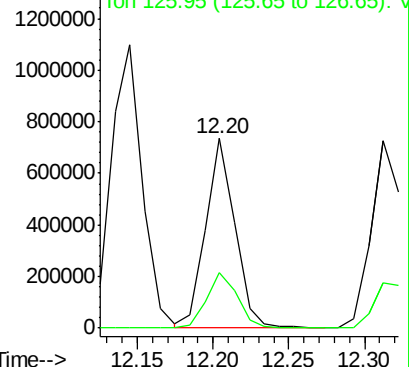
#79
 2-Chlorotoluene
 Concen: 54.97 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 984185
 Ion Ratio Lower Upper
 91 100
 126 29.1 15.9 47.6

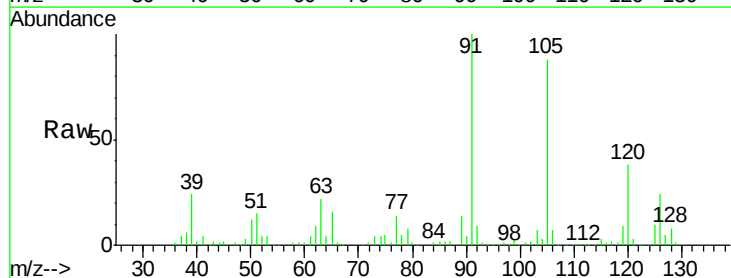


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

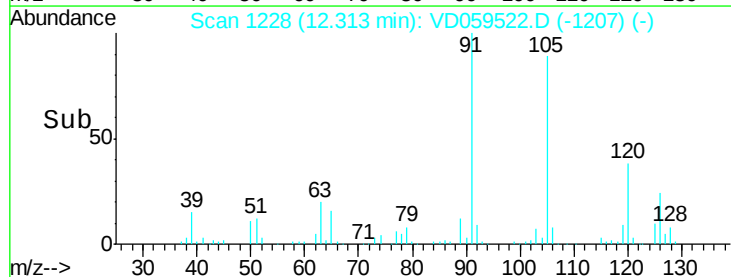
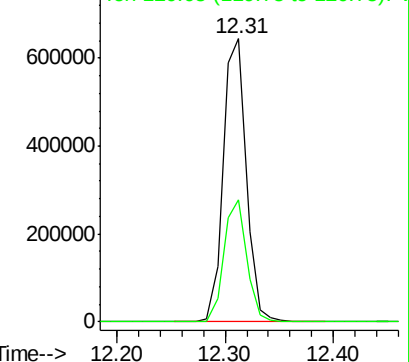


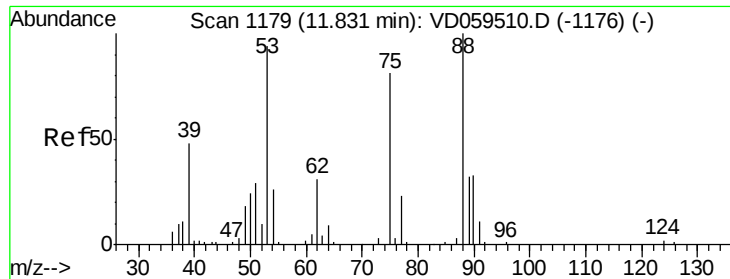
#80
 1,3,5-Trimethylbenzene
 Concen: 51.32 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

Tgt Ion: 105 Resp: 947920
 Ion Ratio Lower Upper
 105 100
 120 43.1 20.8 62.4



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: 46.87 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

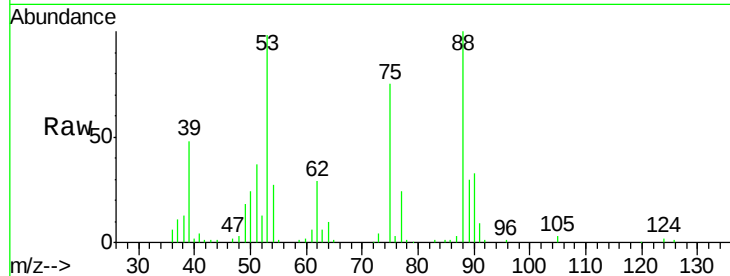
Tot Ion: 75 Resp: 76463

Ion Ratio Lower Upper

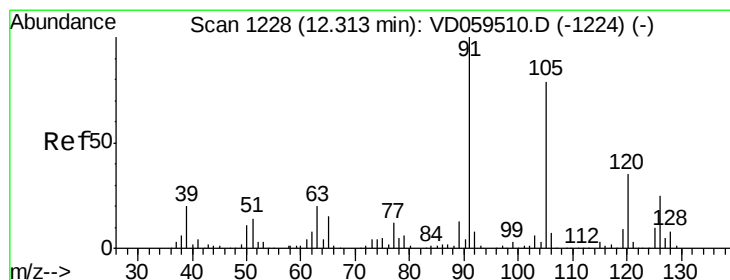
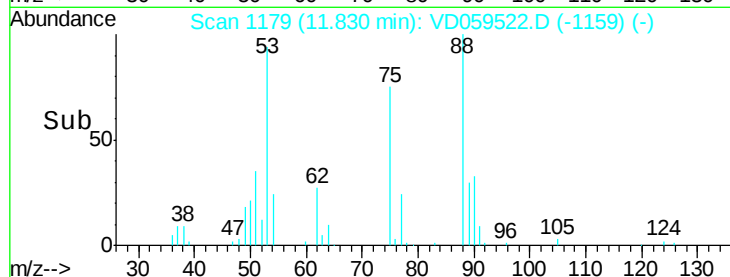
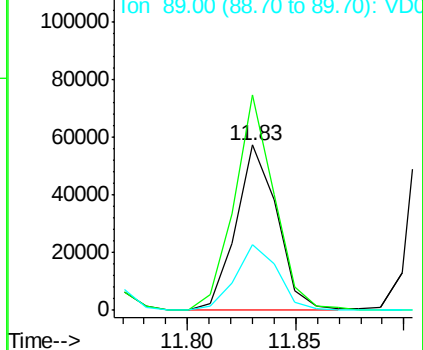
75 100

53 130.5 92.6 139.0

89 39.7 31.5 47.3



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: 50.74 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD059522.D

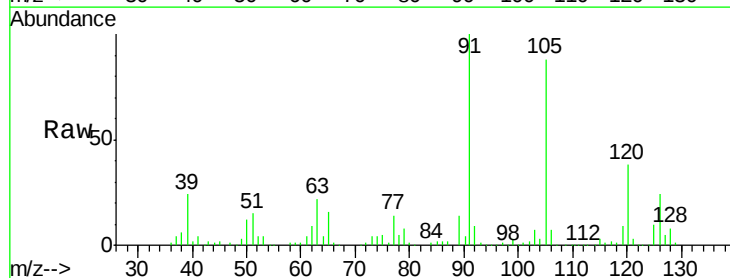
Acq: 3 Jul 2018 1:12

Tgt Ion: 91 Resp: 1029569

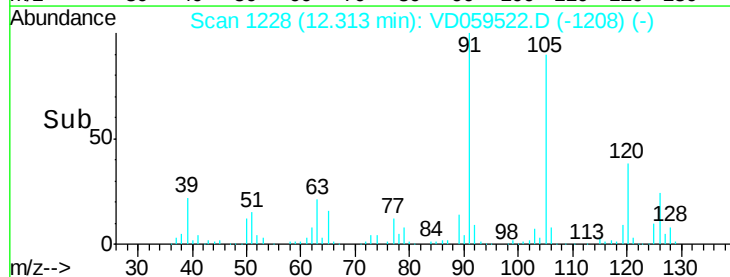
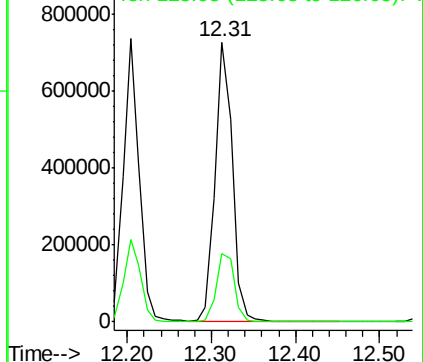
Ion Ratio Lower Upper

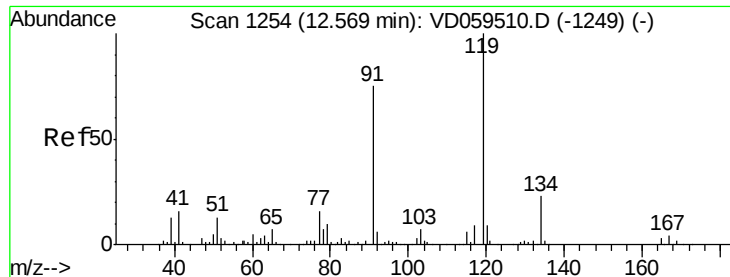
91 100

126 24.2 12.3 36.9



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

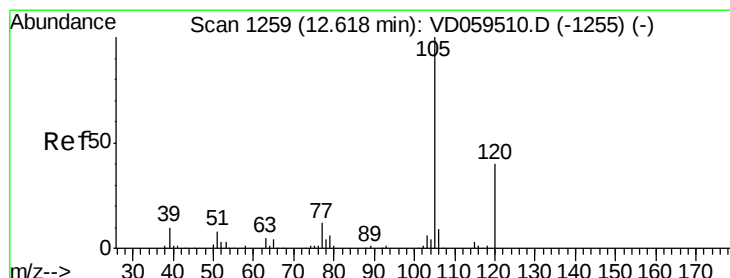
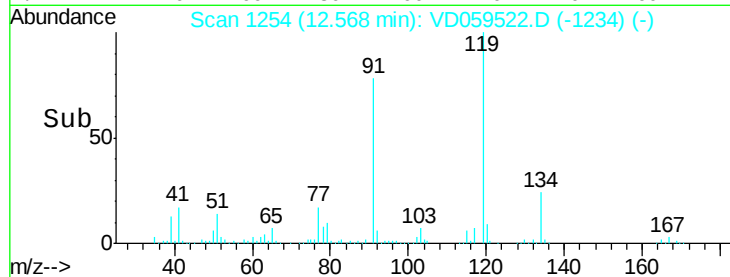
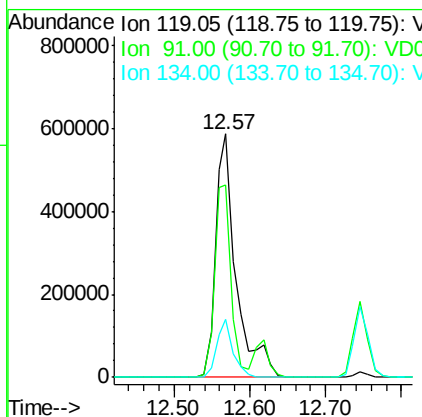
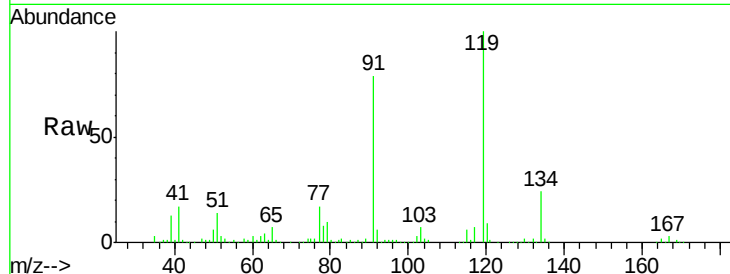




#83
 tert-Butylbenzene
 Concen: 52.94 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

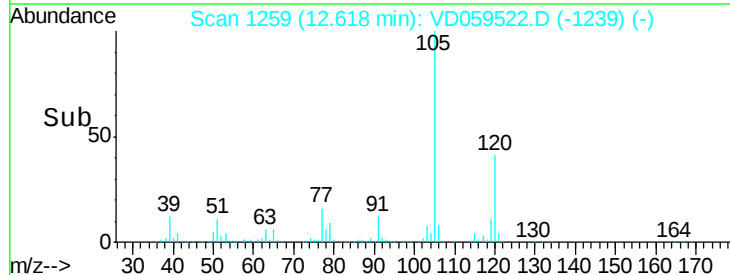
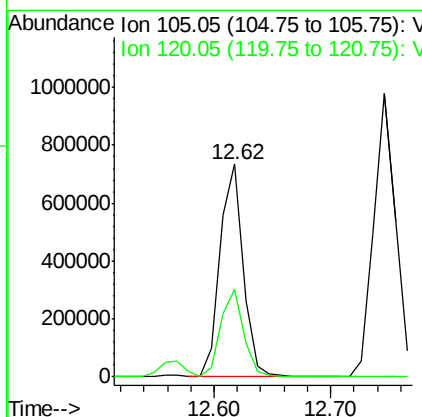
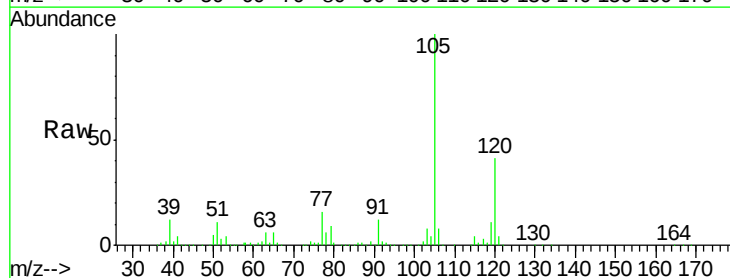
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

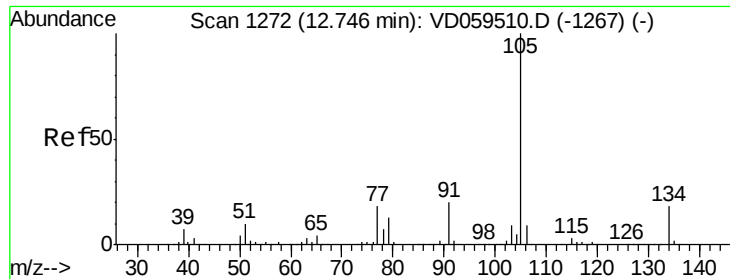
Tot Ion:119 Resp: 1112307
 Ion Ratio Lower Upper
 119 100
 91 78.9 37.8 113.3
 134 23.6 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.84 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

Tgt Ion:105 Resp: 1008736
 Ion Ratio Lower Upper
 105 100
 120 41.4 21.1 63.3





#85

sec-Butylbenzene

Concen: 53.31 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

Instrument :

MSVOA_D

ClientSampleId :

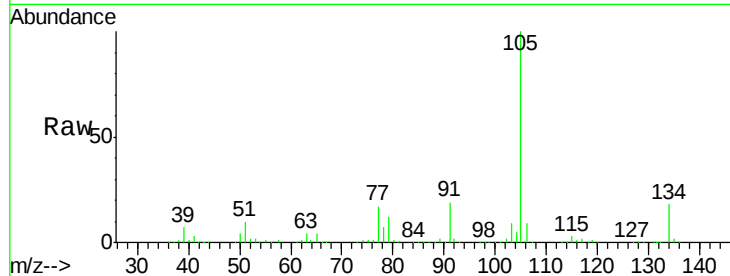
VSTDCCC050EC

Tot Ion:105 Resp: 1285482

Ion Ratio Lower Upper

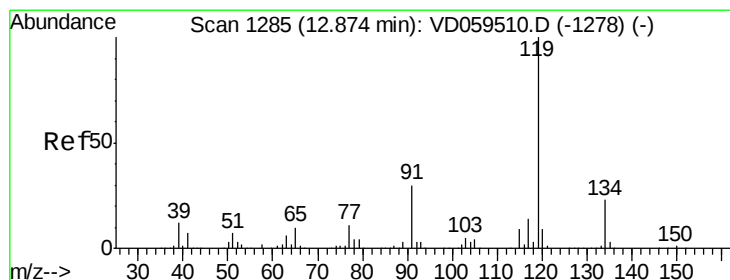
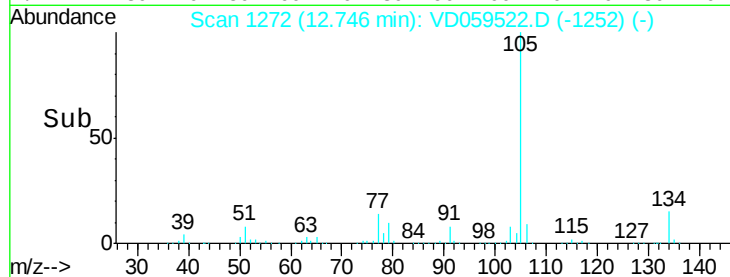
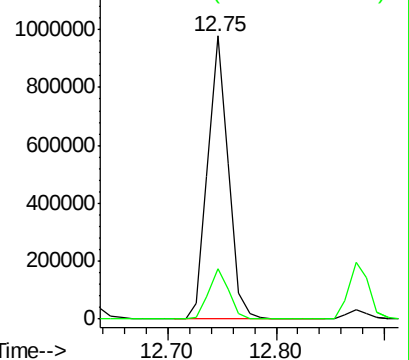
105 100

134 17.6 8.8 26.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.66 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD059522.D

Acq: 3 Jul 2018 1:12

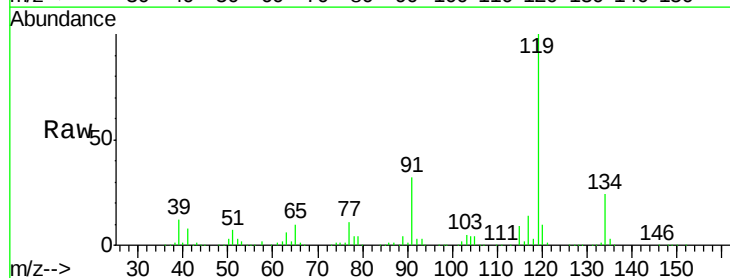
Tgt Ion:119 Resp: 1085393

Ion Ratio Lower Upper

119 100

134 23.8 11.6 34.8

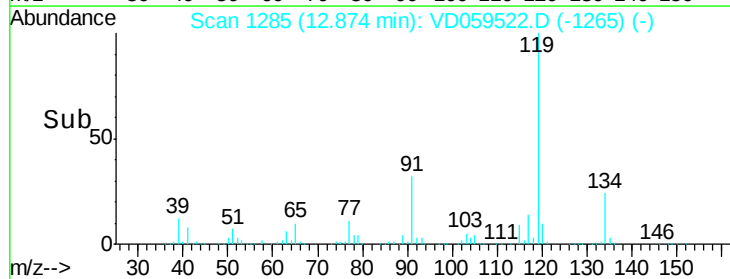
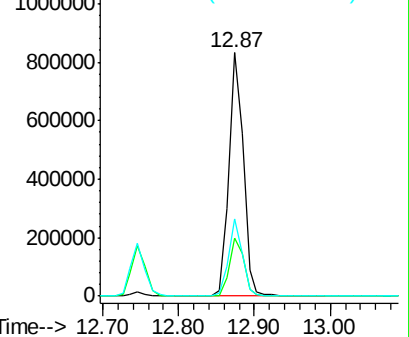
91 31.6 15.3 45.8

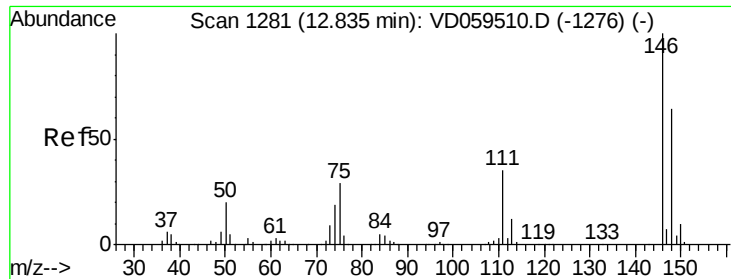


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

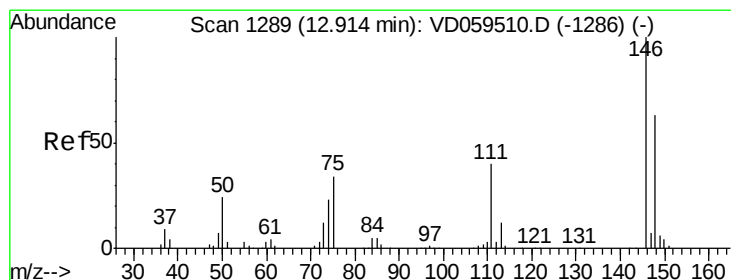
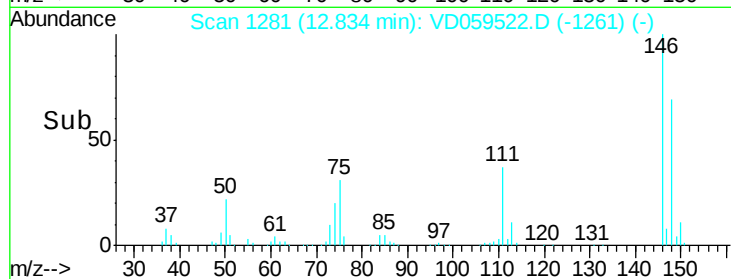
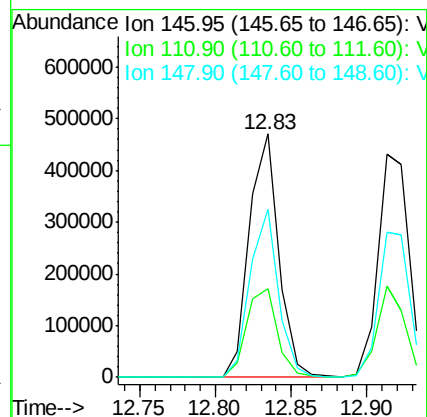
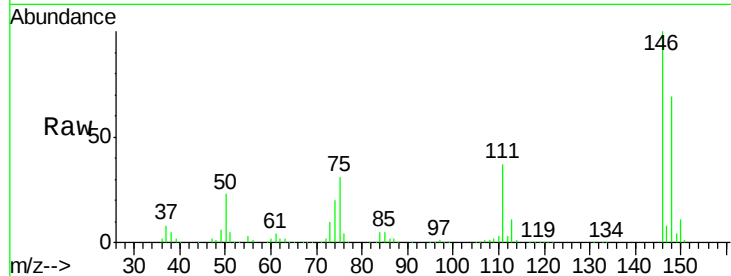




#87
 1,3-Dichlorobenzene
 Concen: 52.41 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

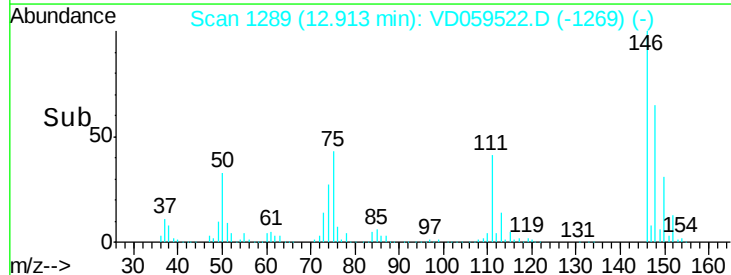
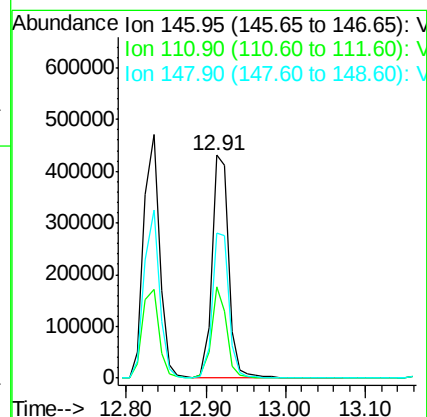
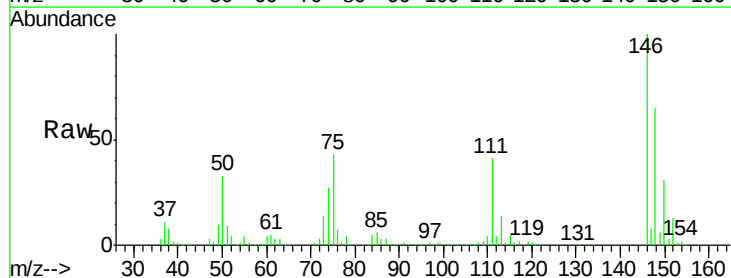
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

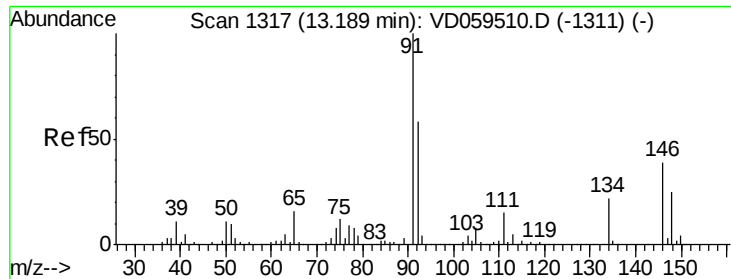
Tot Ion:146 Resp: 639971
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.6 52.9
 148 69.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.89 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

Tgt Ion:146 Resp: 634019
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 59.9
 148 65.3 31.7 95.1

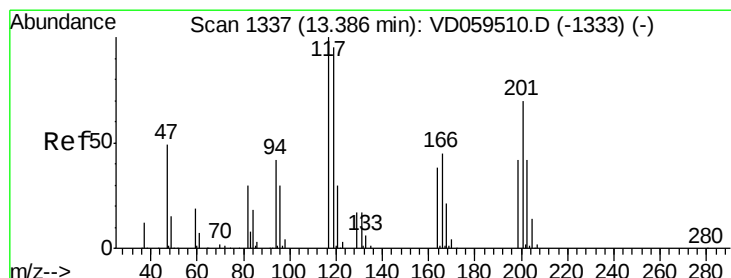
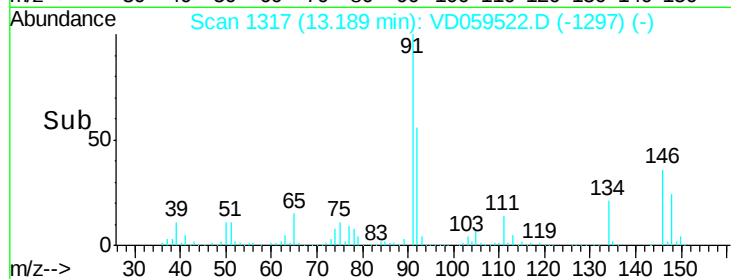
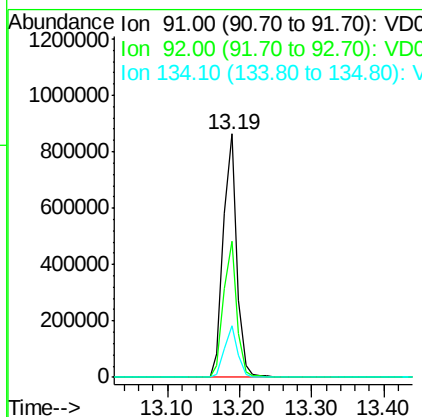
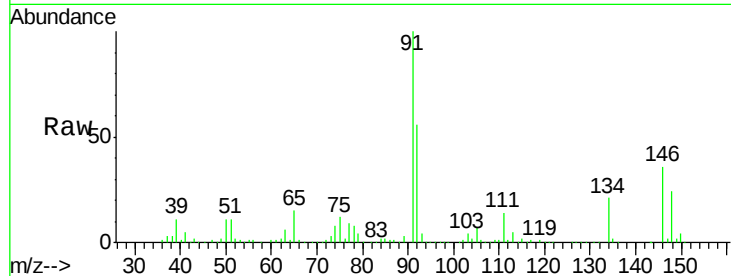




#89
n-Butylbenzene
Concen: 53.80 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

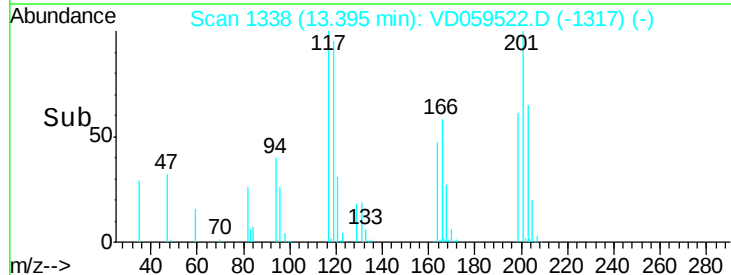
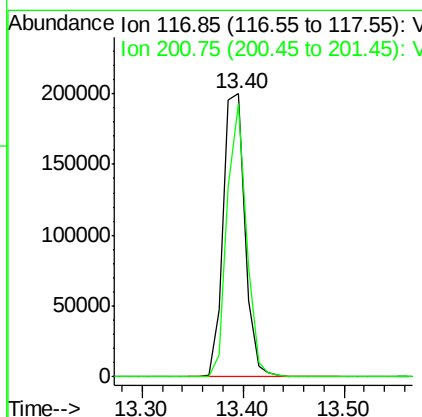
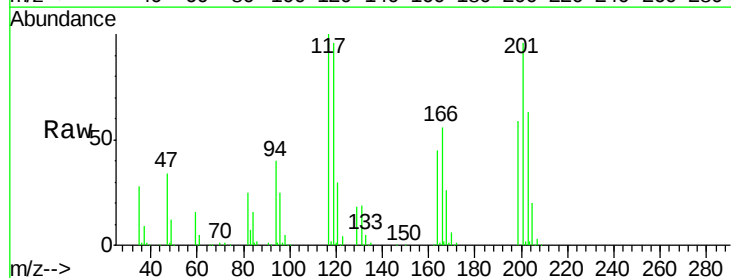
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

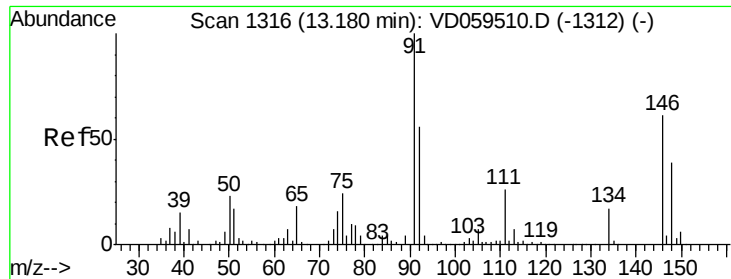
Tot Ion: 91 Resp: 1109767
Ion Ratio Lower Upper
91 100
92 55.7 28.9 86.7
134 21.1 11.3 33.8



#90
Hexachloroethane
Concen: 57.69 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion: 117 Resp: 302304
Ion Ratio Lower Upper
117 100
201 96.4 35.2 105.6

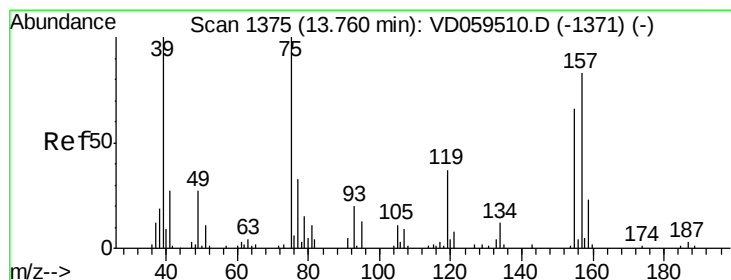
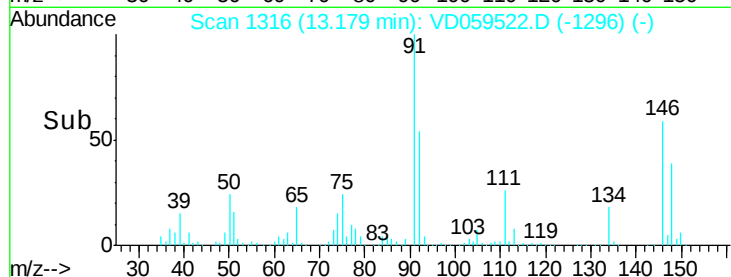
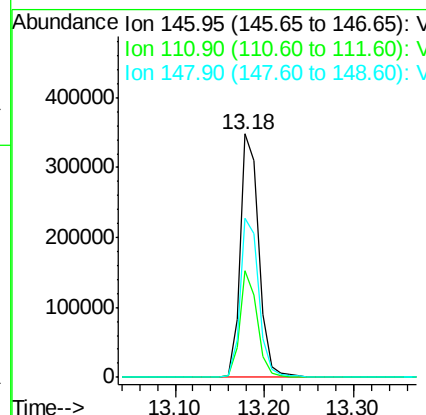
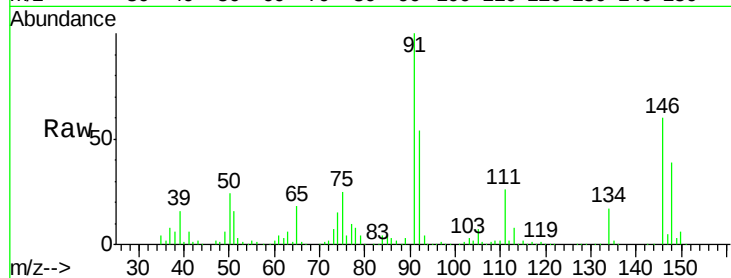




#91
 1,2-Dichlorobenzene
 Concen: 49.61 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

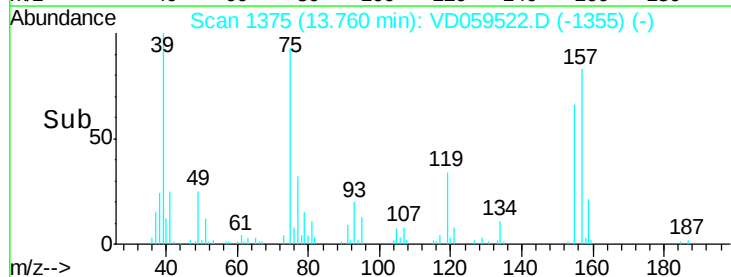
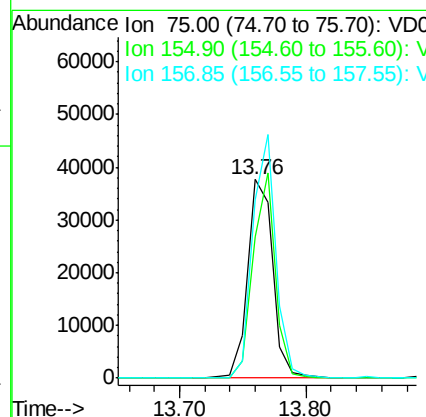
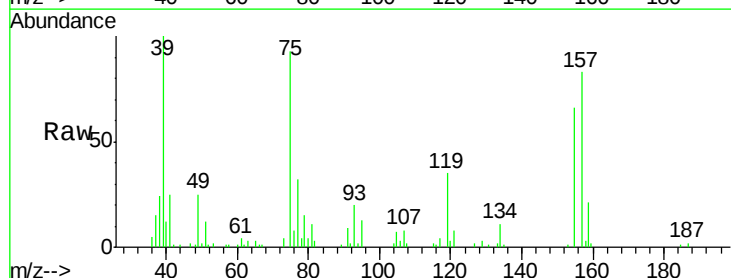
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

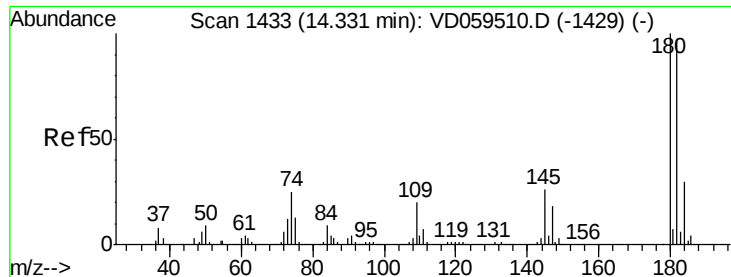
Tot Ion:146 Resp: 509648
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.3 63.9
 148 65.5 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.11 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

Tgt Ion: 75 Resp: 51876
 Ion Ratio Lower Upper
 75 100
 155 71.2 32.8 98.4
 157 89.6 41.5 124.5

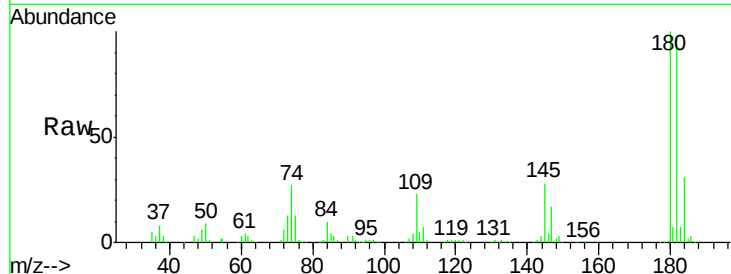




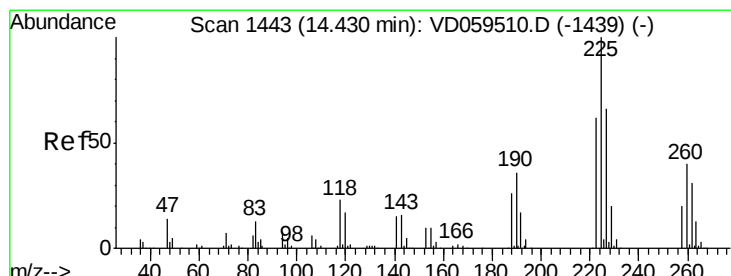
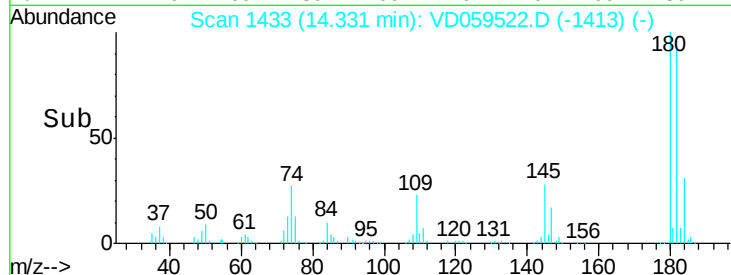
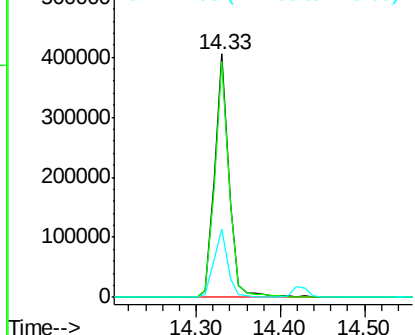
#93
 1,2,4-Trichlorobenzene
 Concen: 53.03 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 482813
 Ion Ratio Lower Upper
 180 100
 182 96.8 48.7 146.1
 145 28.1 13.2 39.6

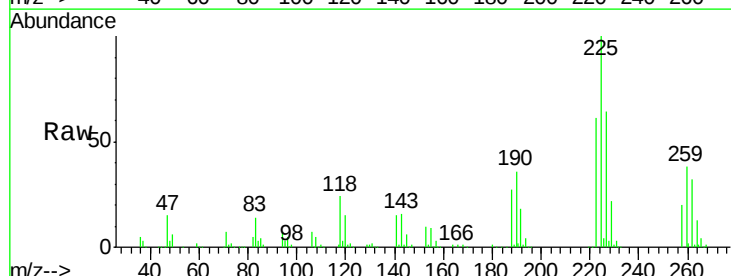


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

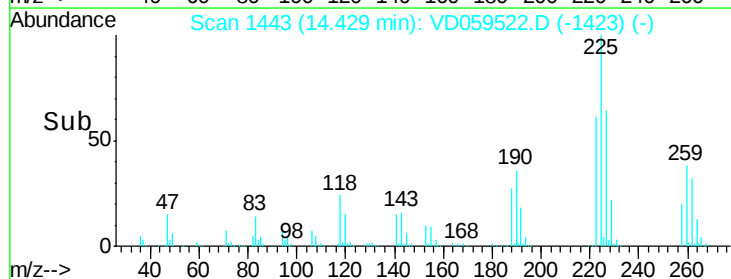
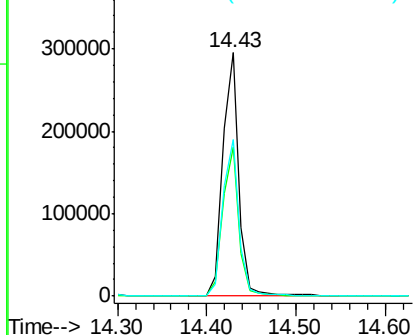


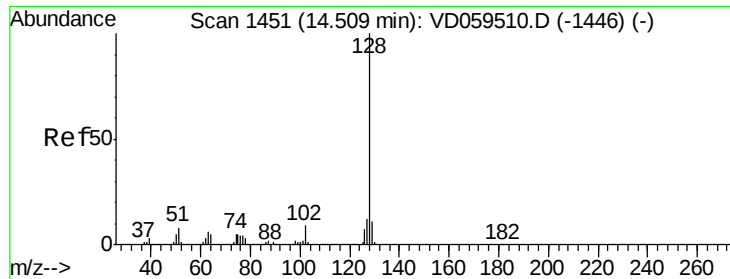
#94
 Hexachlorobutadiene
 Concen: 54.04 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059522.D
 Acq: 3 Jul 2018 1:12

Tgt Ion:225 Resp: 376374
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.0 93.0
 227 64.4 33.1 99.5



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

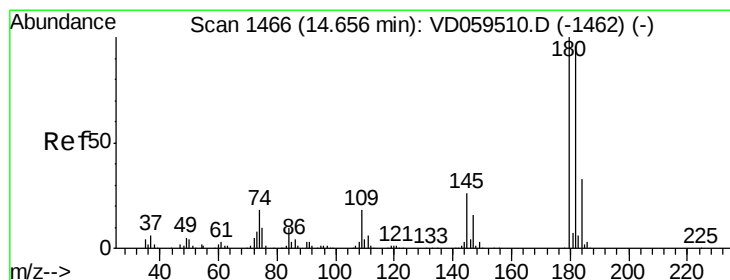
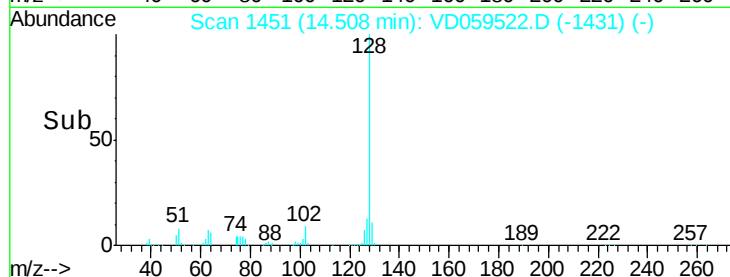
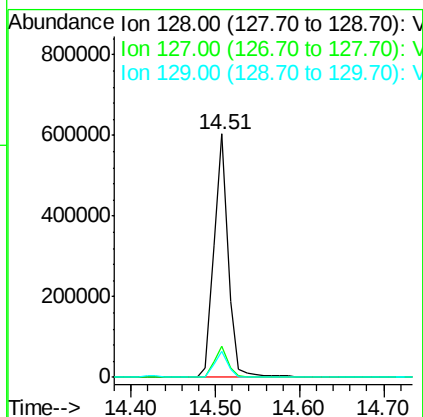
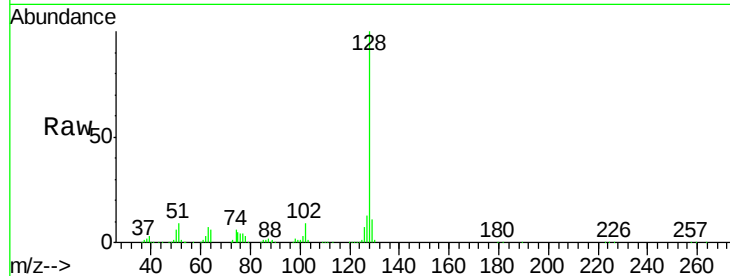




#95
Naphthalene
Concen: 52.54 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 711563
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.86 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059522.D
Acq: 3 Jul 2018 1:12

Tgt Ion:180 Resp: 423235
Ion Ratio Lower Upper
180 100
182 97.8 48.1 144.4
145 27.7 13.2 39.6

