

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058314.D
 Acq On : 22 Jun 2018 23:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 23 00:05:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	885655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1201897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	974972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	492971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	535721	59.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.78%	
35) Dibromofluoromethane	5.55	113	538895	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
50) Toluene-d8	8.71	98	1253443	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.93	95	538562	55.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	425957	51.57	ug/l	98
3) Chloromethane	1.48	50	193724	50.14	ug/l	96
4) Vinyl Chloride	1.55	62	233082	50.24	ug/l	97
5) Bromomethane	1.80	94	98015	67.19	ug/l	95
6) Chloroethane	1.88	64	100082	60.65	ug/l	100
7) Trichlorofluoromethane	2.08	101	343347	53.97	ug/l	96
8) Diethyl Ether	2.34	74	78631	58.44	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.55	101	212759	52.61	ug/l	94
10) Methyl Iodide	2.69	142	248889	54.11	ug/l	96
11) Tert butyl alcohol	3.26	59	88190	298.90	ug/l #	82
12) 1,1-Dichloroethene	2.55	96	159870	52.54	ug/l	90
13) Acrolein	2.47	56	22742	135.02	ug/l	93
14) Allyl chloride	2.92	41	376847	53.21	ug/l	98
15) Acrylonitrile	3.35	53	243001	310.61	ug/l	95
16) Acetone	2.61	43	281738	230.29	ug/l	95
17) Carbon Disulfide	2.75	76	498142	48.12	ug/l	97
18) Methyl Acetate	2.93	43	138414	53.05	ug/l	94
19) Methyl tert-butyl Ether	3.40	73	716477	88.78	ug/l	99
20) Methylene Chloride	3.07	84	181200	57.44	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	237102	71.30	ug/l	91
22) Diisopropyl ether	4.07	45	1475640	52.46	ug/l	97
23) Vinyl Acetate	4.01	43	3964566	262.94	ug/l	100
24) 1,1-Dichloroethane	3.96	63	817296	53.94	ug/l	99
25) 2-Butanone	4.83	43	668188	250.59	ug/l	99
26) 2,2-Dichloropropane	4.79	77	634846	50.03	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	439749	52.92	ug/l	97
28) Bromochloromethane	5.15	49	367519	54.10	ug/l #	86
29) Tetrahydrofuran	5.19	42	355152	250.23	ug/l	99
30) Chloroform	5.32	83	878934	54.94	ug/l	96
31) Cyclohexane	5.59	56	556334	50.63	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	723832	54.76	ug/l	97
36) 1,1-Dichloropropene	5.75	75	555944	46.76	ug/l	98
37) Ethyl Acetate	4.92	43	321850	47.51	ug/l	99
38) Carbon Tetrachloride	5.72	117	604847	51.20	ug/l	96

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 Misc : 5.00µl/5ml/MSVOA D/SOIL
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Quant Time: Jun 23 00:05:25 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	546315	47.17	ug/l	96
40) Benzene	6.01	78	1315258	46.44	ug/l	99
41) Methacrylonitrile	5.13	41	164688	50.34	ug/l	98
42) 1,2-Dichloroethane	6.13	62	601383	52.66	ug/l	99
43) Isopropyl Acetate	7.62	43	455578	50.44	ug/l	99
44) Trichloroethene	6.98	130	424020	49.86	ug/l	94
45) 1,2-Dichloropropane	7.35	63	394637	51.74	ug/l	98
46) Dibromomethane	7.46	93	259162	49.77	ug/l	96
47) Bromodichloromethane	7.75	83	626455	52.76	ug/l	100
48) Methyl methacrylate	7.50	41	283118	51.58	ug/l	92
49) 1,4-Dioxane	7.49	88	53482	1079.36	ug/l #	84
51) 4-Methyl-2-Pentanone	8.59	43	1469695	249.48	ug/l	96
52) Toluene	8.80	92	790121	48.99	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	524572	50.81	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	610948	50.48	ug/l	95
55) 1,1,2-Trichloroethane	9.46	97	290784	50.96	ug/l	95
56) Ethyl methacrylate	9.31	69	363831	53.32	ug/l	98
57) 1,3-Dichloropropane	9.66	76	486649	50.63	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	826491	244.65	ug/l	97
59) 2-Hexanone	9.78	43	1083803	254.60	ug/l	99
60) Dibromochloromethane	9.96	129	414018	53.47	ug/l	97
61) 1,2-Dibromoethane	10.09	107	339618	54.38	ug/l	100
64) Tetrachloroethene	9.52	164	422856	51.55	ug/l	98
65) Chlorobenzene	10.72	112	943643	51.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	353343	50.21	ug/l	99
67) Ethyl Benzene	10.86	91	1557654	48.38	ug/l	100
68) m/p-Xylenes	11.01	106	1056941	98.44	ug/l	99
69) o-Xylene	11.41	106	519779	50.69	ug/l	100
70) Styrene	11.43	104	910697	52.04	ug/l	98
71) Bromoform	11.60	173	304529	54.24	ug/l	99
73) Isopropylbenzene	11.77	105	1502737	50.96	ug/l	100
74) N-amyl acetate	11.64	43	599819	52.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	362521	52.83	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	363080	50.45	ug/l	99
77) Bromobenzene	12.04	156	464559	52.61	ug/l	87
78) n-propylbenzene	12.16	91	1907455	50.09	ug/l	100
79) 2-Chlorotoluene	12.21	91	1111473	51.01	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	1183907	51.48	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	91386	52.06	ug/l	95
82) 4-Chlorotoluene	12.32	91	1242172	59.53	ug/l	92
83) tert-Butylbenzene	12.58	119	1354404	51.22	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1283174	51.33	ug/l	98
85) sec-Butylbenzene	12.76	105	1600238	51.63	ug/l	98
86) p-Isopropyltoluene	12.88	119	1312511	52.26	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	781218	50.90	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	771070	51.45	ug/l	95
89) n-Butylbenzene	13.20	91	1202298	45.55	ug/l	98
90) Hexachloroethane	13.40	117	329914	50.61	ug/l	75
91) 1,2-Dichlorobenzene	13.19	146	595532	45.60	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	58815	53.86	ug/l	65

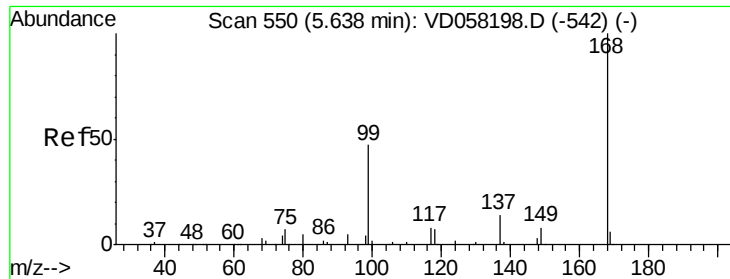
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058314.D
Acq On : 22 Jun 2018 23:34
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
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ClientSampleId :
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	638053	51.08	ug/l	99
94) Hexachlorobutadiene	14.43	225	469921	48.10	ug/l	98
95) Naphthalene	14.52	128	831973	50.56	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	544553	49.80	ug/l	95

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

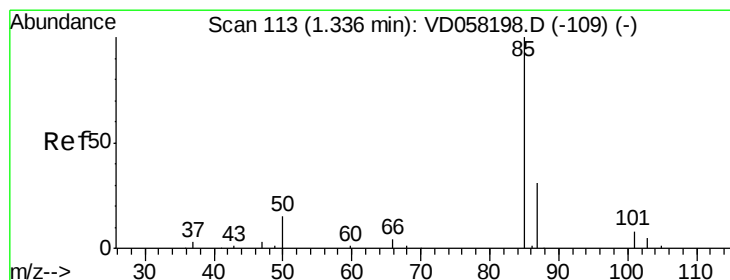
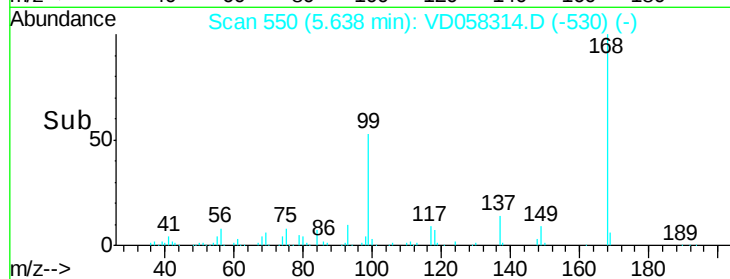
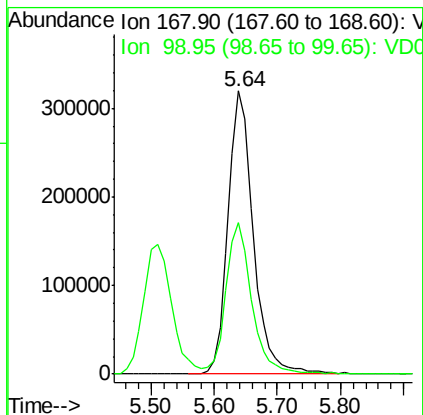
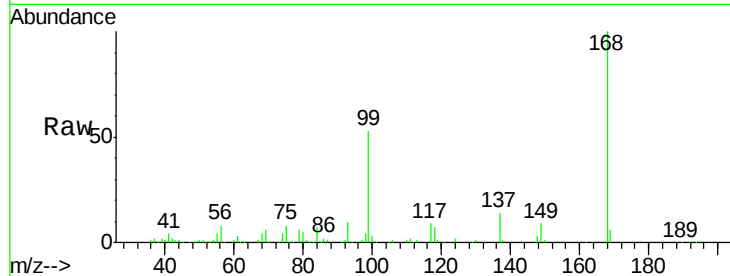


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

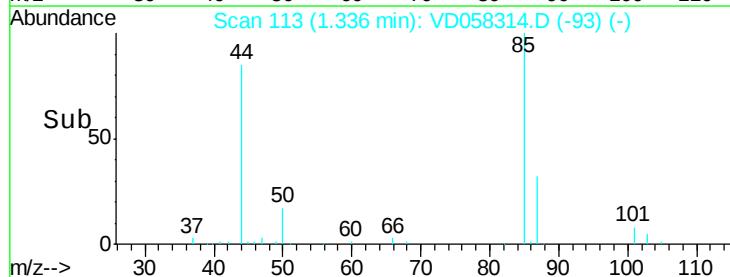
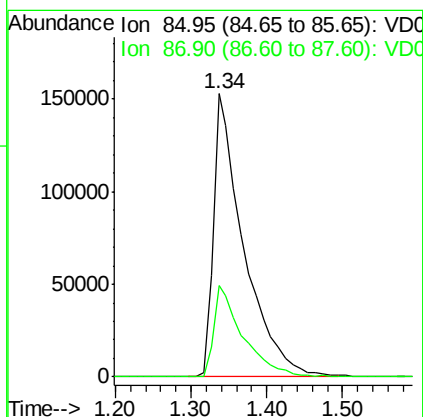
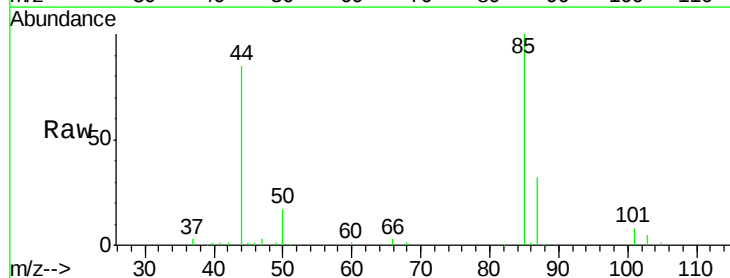
Tot Ion:168 Resp: 885655
 Ion Ratio Lower Upper
 168 100
 99 53.4 41.1 61.7

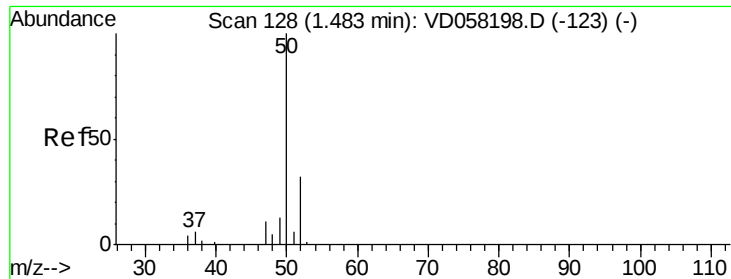


#2

Dichlorodifluoromethane
 Concen: 51.57 ug/l
 RT: 1.34 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion: 85 Resp: 425957
 Ion Ratio Lower Upper
 85 100
 87 32.2 15.7 47.0





#3

Chloromethane

Concen: 50.14 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

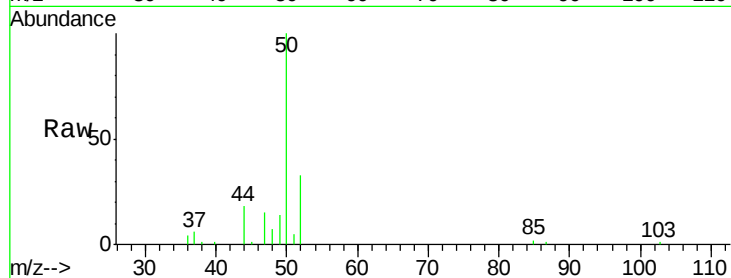
VSTDCCC050EC

Tot Ion: 50 Resp: 193724

Ion Ratio Lower Upper

50 100

52 33.4 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.48

60000

50000

40000

30000

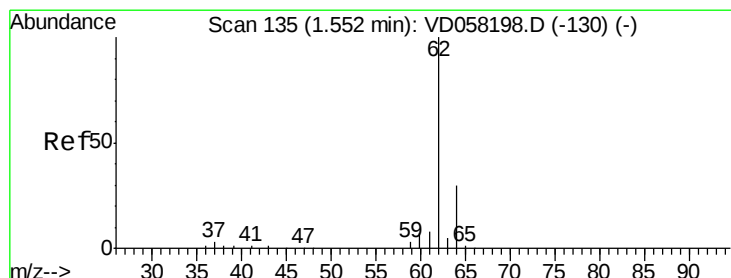
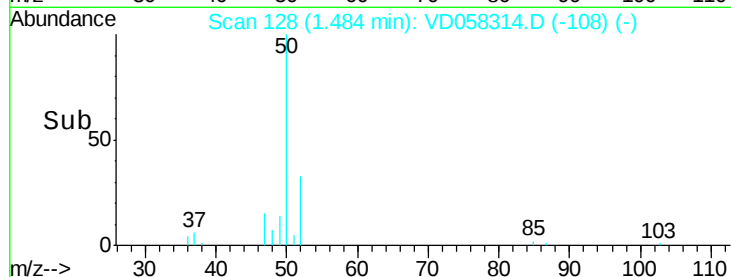
20000

10000

0

1.40 1.50 1.60 1.70

Time-->



#4

Vinyl Chloride

Concen: 50.24 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058314.D

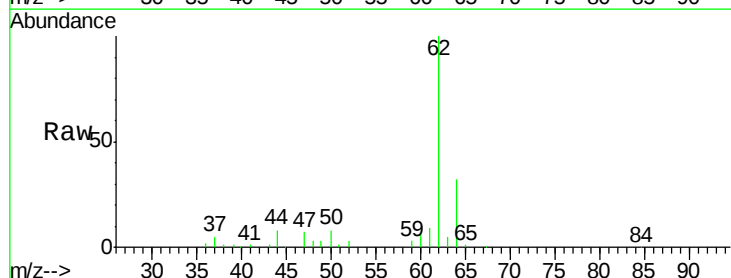
Acq: 22 Jun 2018 23:34

Tgt Ion: 62 Resp: 233082

Ion Ratio Lower Upper

62 100

64 32.3 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.55

120000

100000

80000

60000

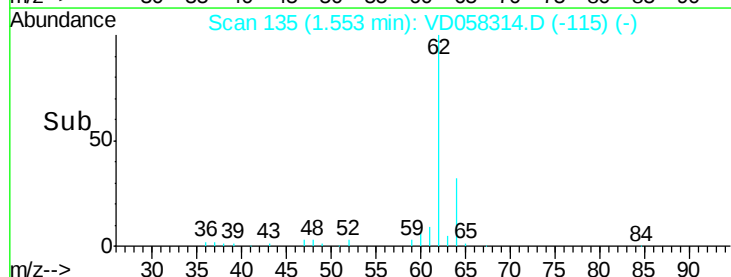
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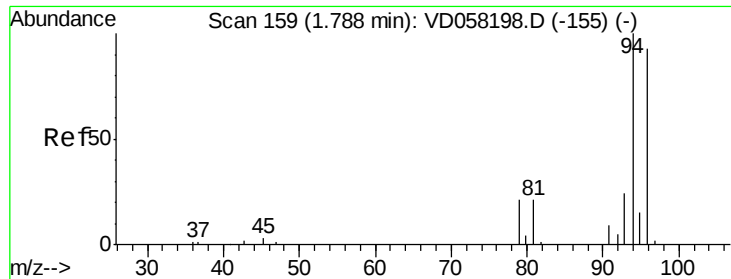
20000

0

1.50 1.60 1.70

Time-->

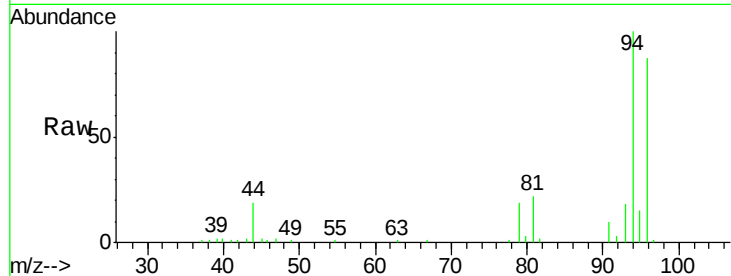




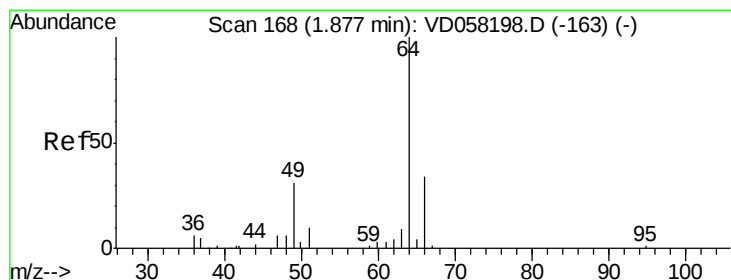
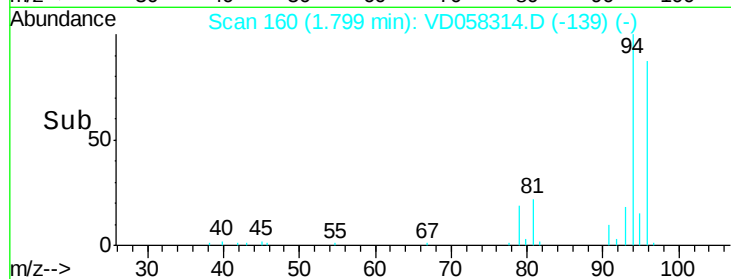
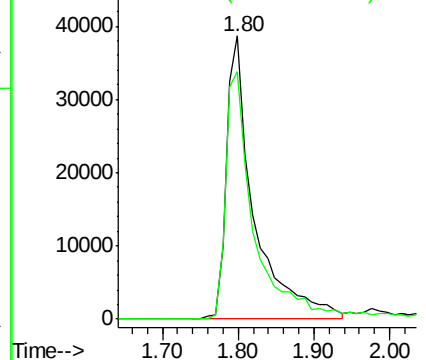
#5
Bromomethane
Concen: 67.19 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 98015
Ion Ratio Lower Upper
94 100
96 87.5 74.2 111.2

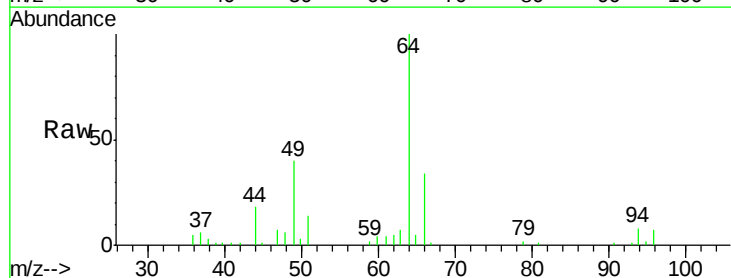


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

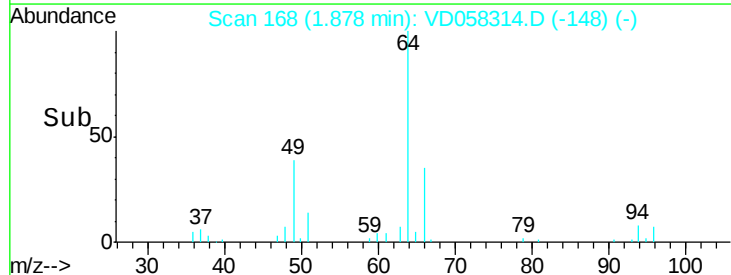
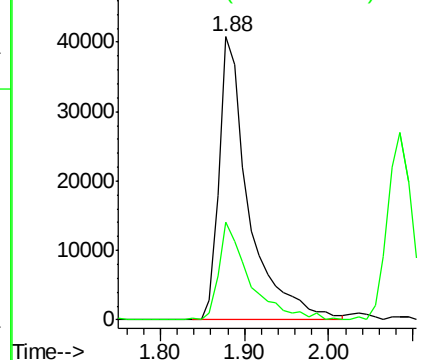


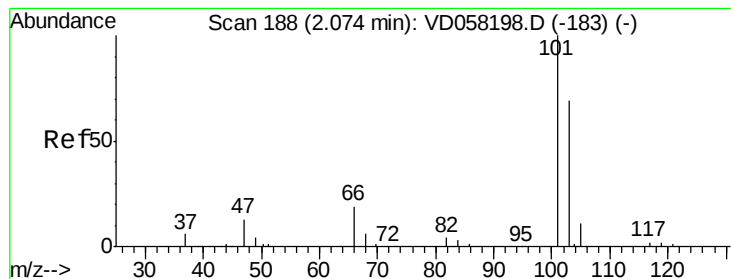
#6
Chloroethane
Concen: 60.65 ug/l
RT: 1.88 min Scan# 168
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion: 64 Resp: 100082
Ion Ratio Lower Upper
64 100
66 34.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 53.97 ug/l

RT: 2.08 min Scan# 189

Delta R.T. 0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

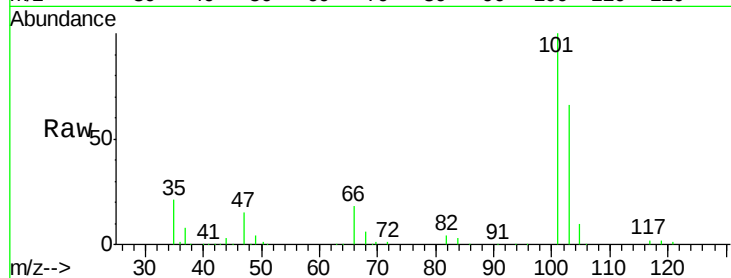
VSTDCCC050EC

Tot Ion:101 Resp: 343347

Ion Ratio Lower Upper

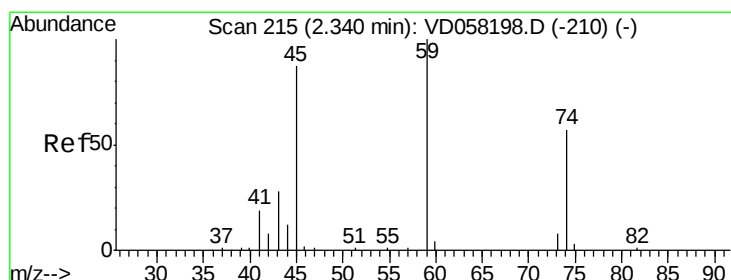
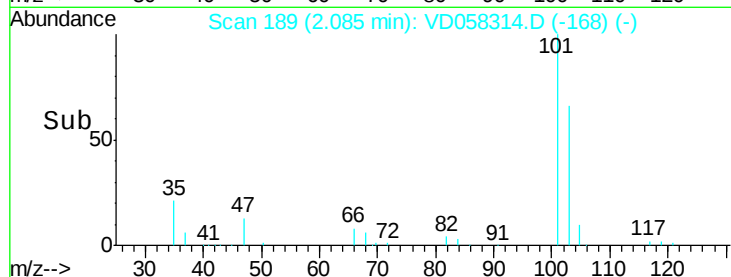
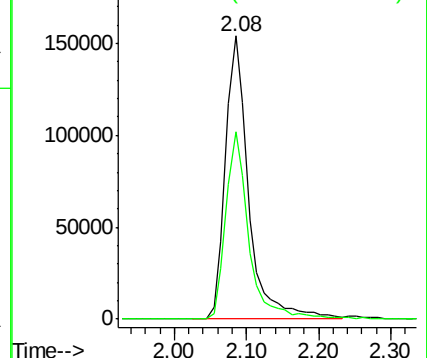
101 100

103 66.0 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 58.44 ug/l

RT: 2.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: VD058314.D

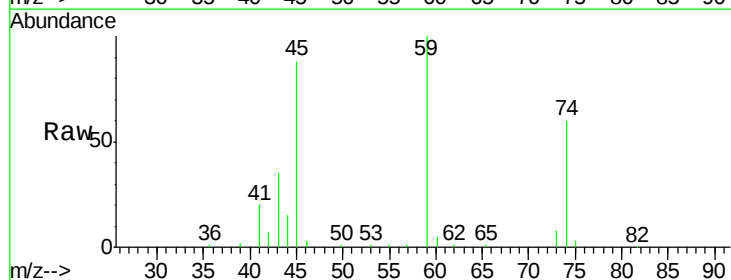
Acq: 22 Jun 2018 23:34

Tgt Ion: 74 Resp: 78631

Ion Ratio Lower Upper

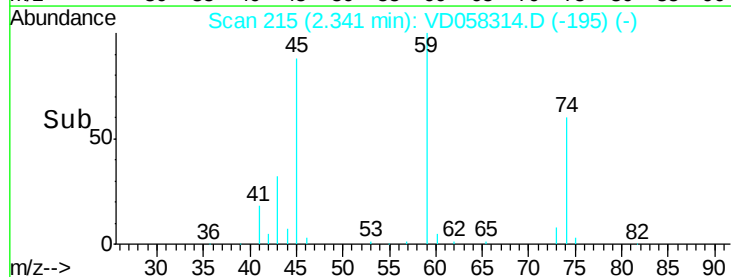
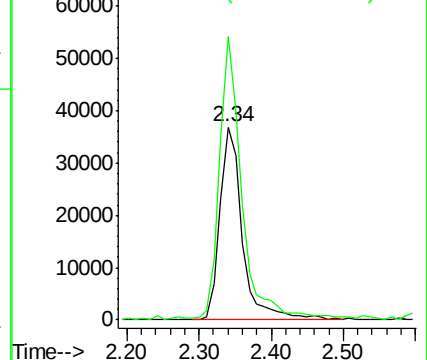
74 100

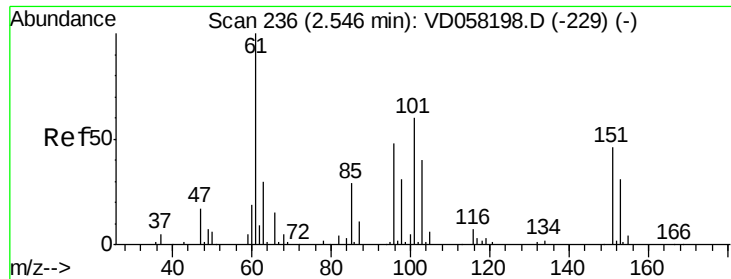
45 146.8 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.61 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

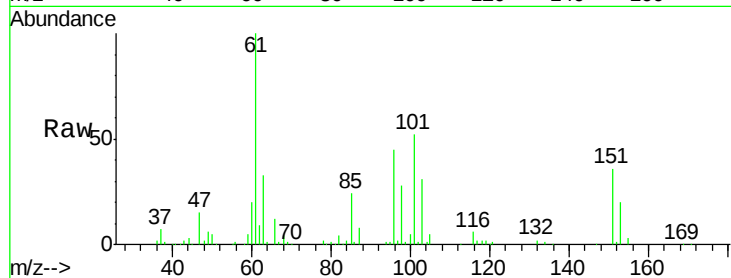
Tot Ion:101 Resp: 212759

Ion Ratio Lower Upper

101 100

85 47.4 39.0 58.4

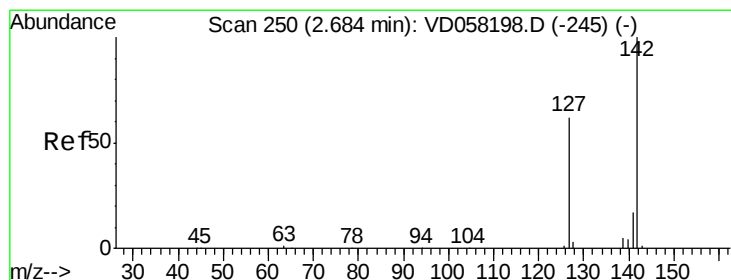
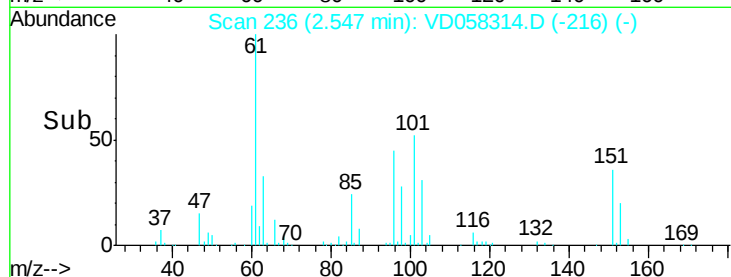
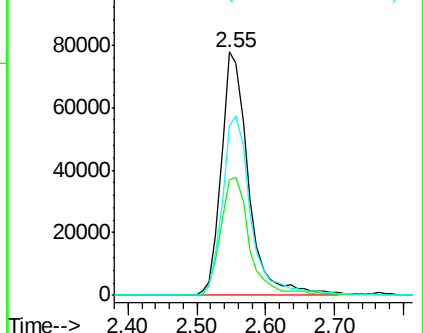
151 69.5 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 54.11 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

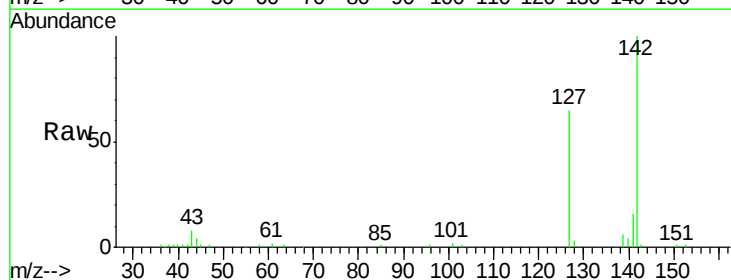
Tgt Ion:142 Resp: 248889

Ion Ratio Lower Upper

142 100

127 64.9 49.4 74.0

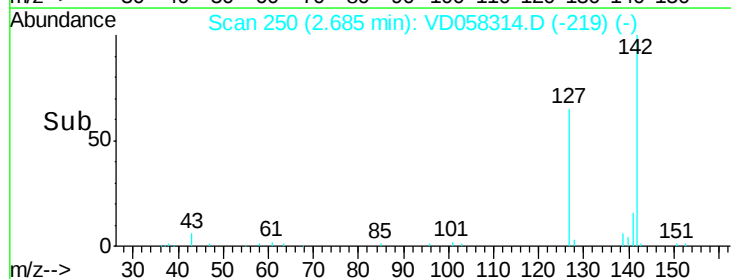
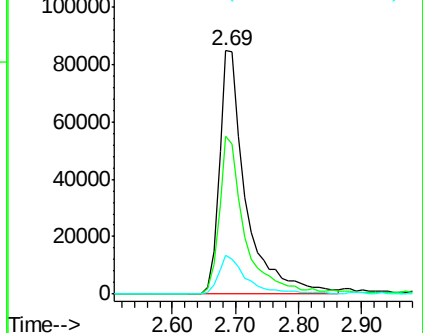
141 15.8 13.5 20.3

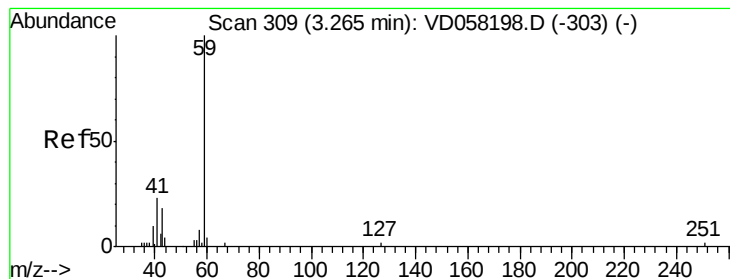


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



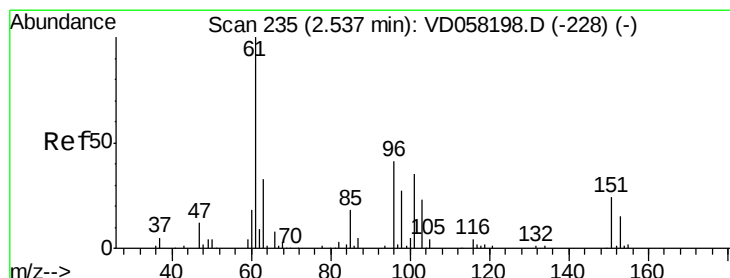
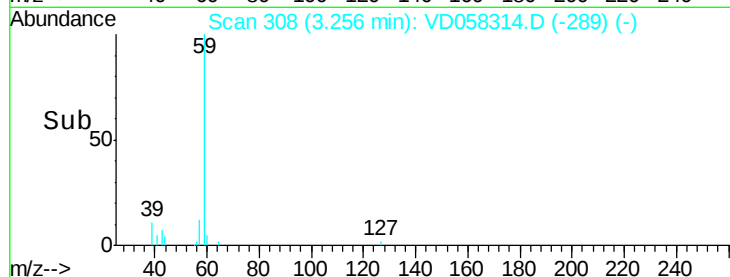
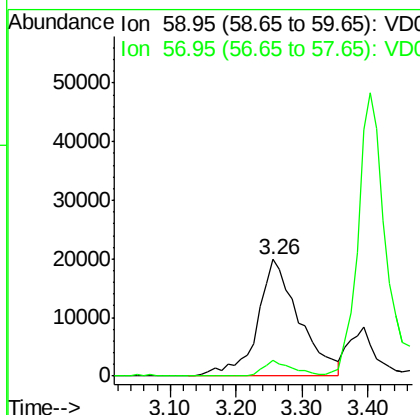
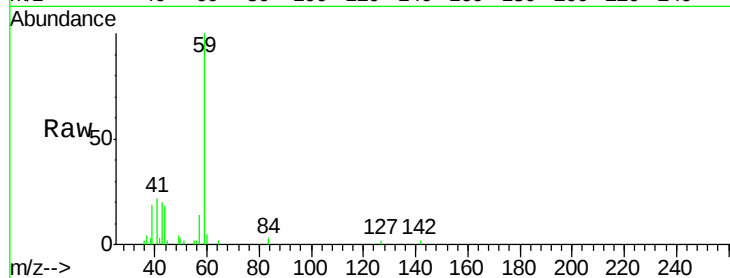


#11

Tert butyl alcohol
 Concen: 298.90 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

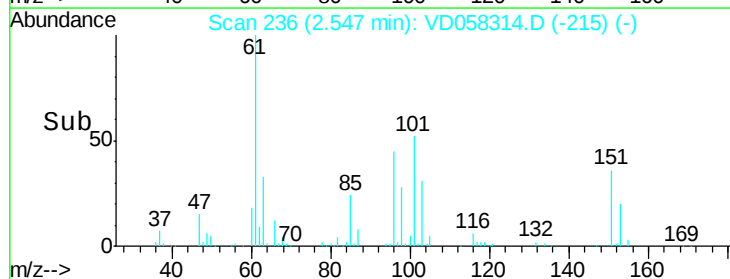
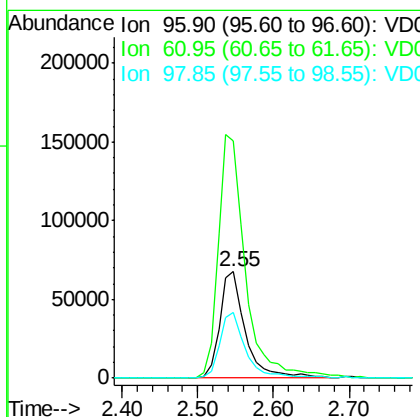
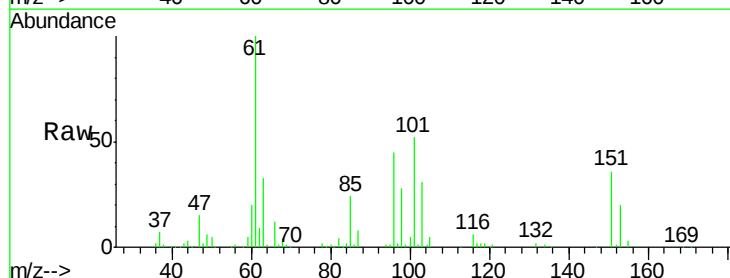
Tot Ion: 59 Resp: 88190
 Ion Ratio Lower Upper
 59 100
 57 14.0 6.2 9.4#

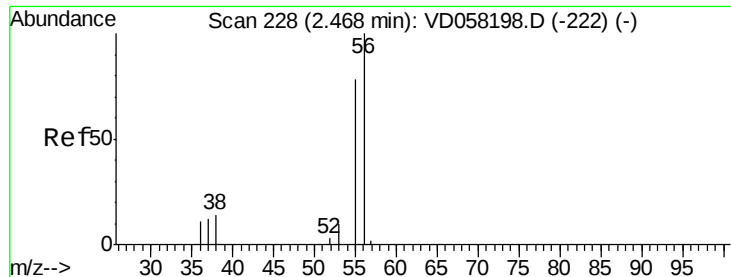


#12

1,1-Dichloroethene
 Concen: 52.54 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion: 96 Resp: 159870
 Ion Ratio Lower Upper
 96 100
 61 223.1 193.9 290.9
 98 61.9 51.7 77.5





#13

Acrolein

Concen: 135.02 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

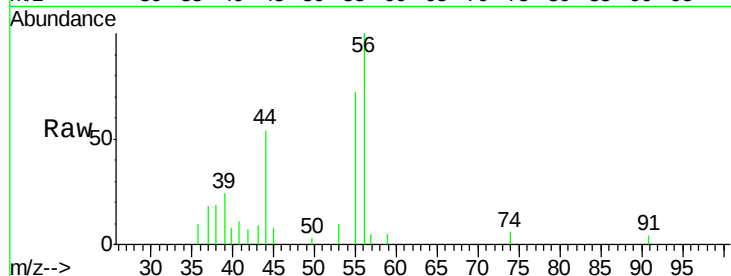
VSTDCCC050EC

Tot Ion: 56 Resp: 22742

Ion Ratio Lower Upper

56 100

55 71.9 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

10000

8000

6000

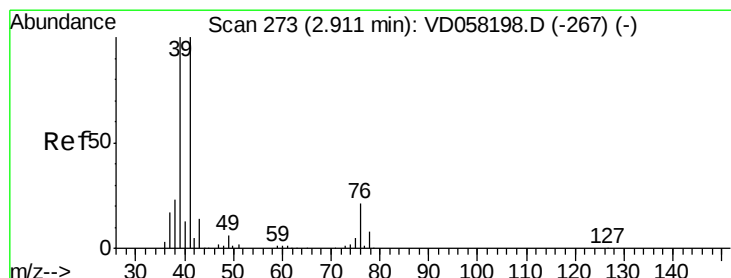
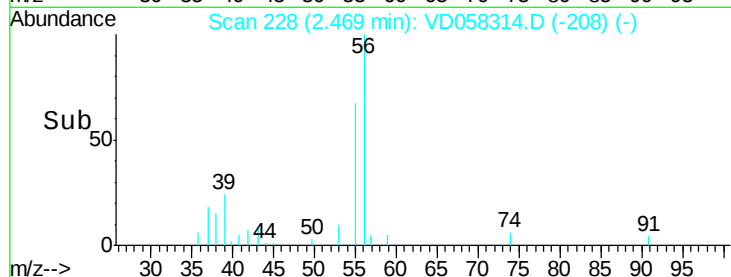
4000

2000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 53.21 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

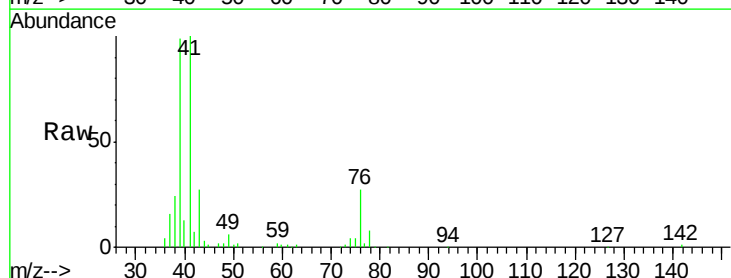
Tgt Ion: 41 Resp: 376847

Ion Ratio Lower Upper

41 100

39 98.8 80.1 120.1

76 26.9 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

300000

250000

200000

150000

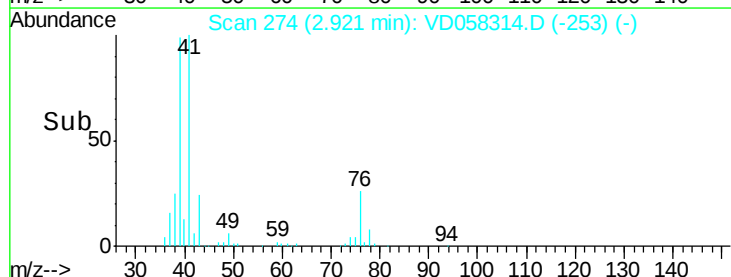
100000

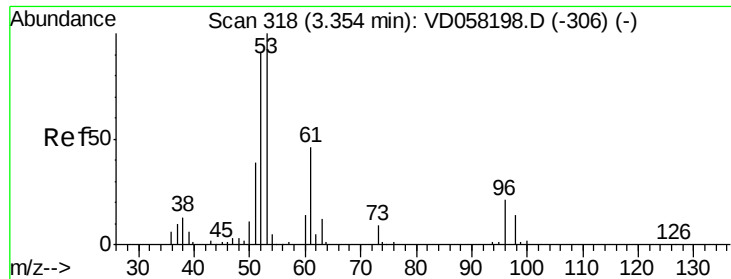
50000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 310.61 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

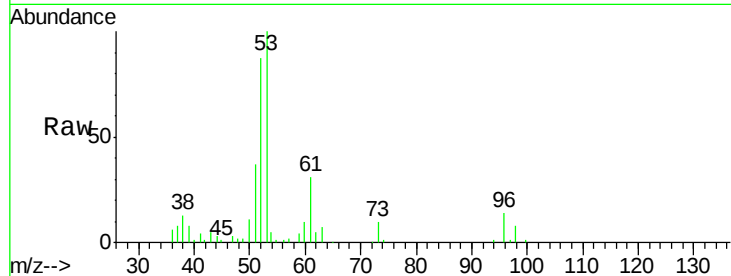
Tot Ion: 53 Resp: 243001

Ion Ratio Lower Upper

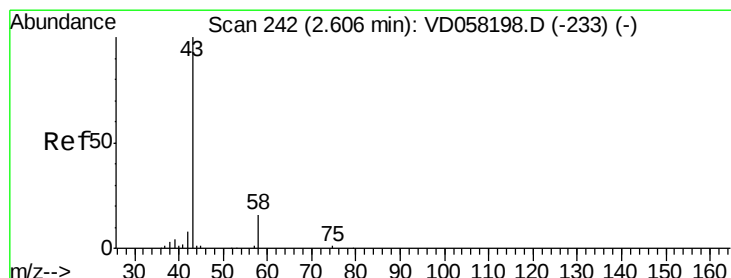
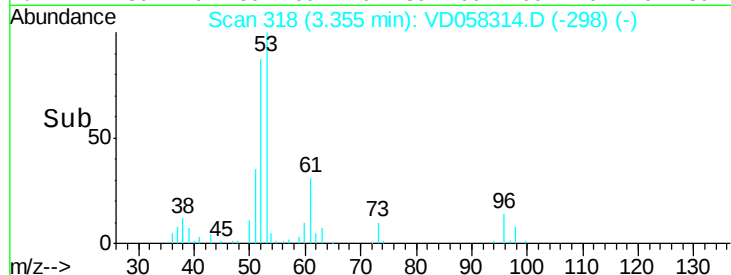
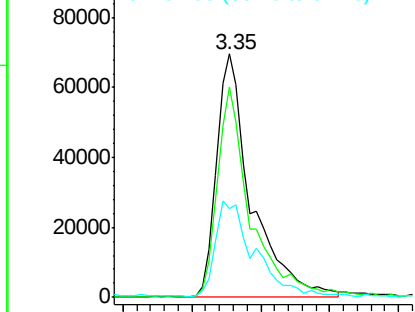
53 100

52 86.6 72.6 108.8

51 36.7 32.2 48.4



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



#16

Acetone

Concen: 230.29 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058314.D

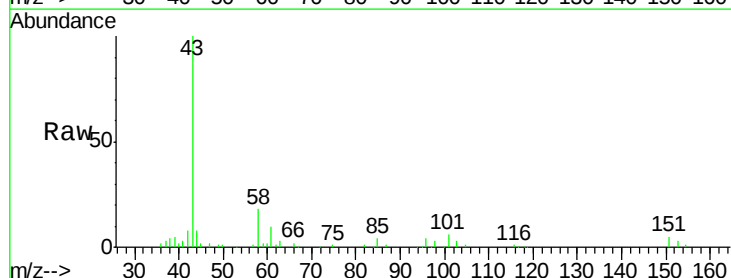
Acq: 22 Jun 2018 23:34

Tgt Ion: 43 Resp: 281738

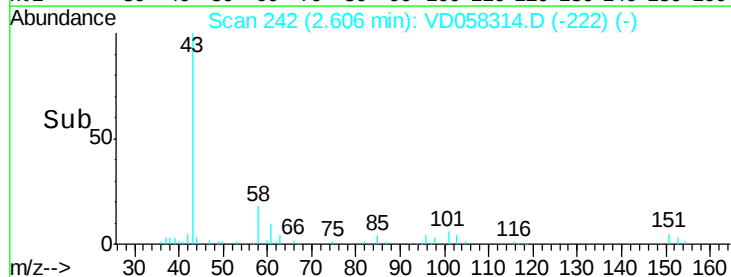
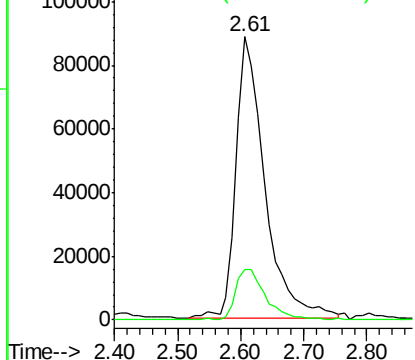
Ion Ratio Lower Upper

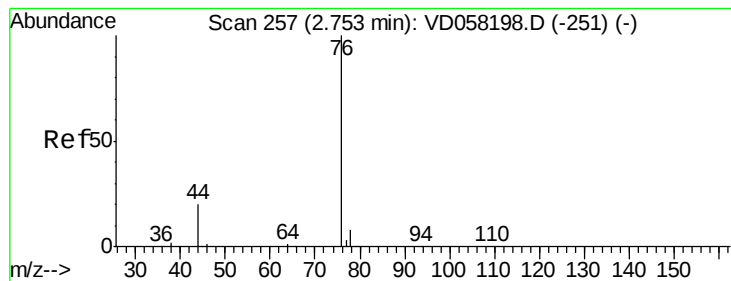
43 100

58 18.0 12.7 19.1



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





#17

Carbon Disulfide

Concen: 48.12 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

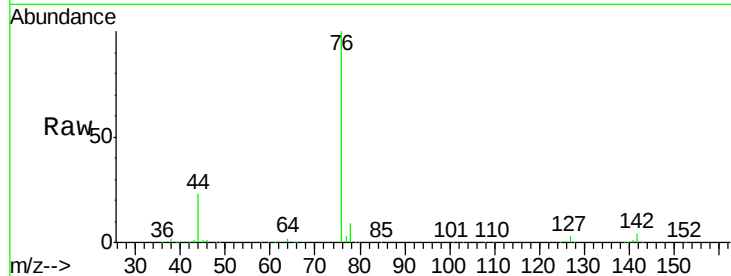
VSTDCCC050EC

Tot Ion: 76 Resp: 498142

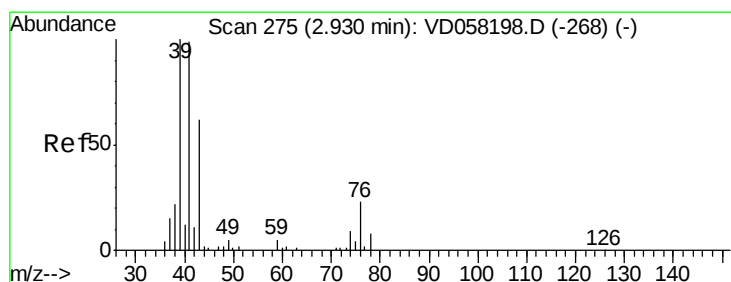
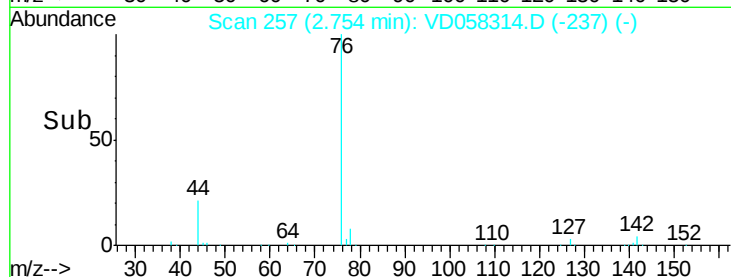
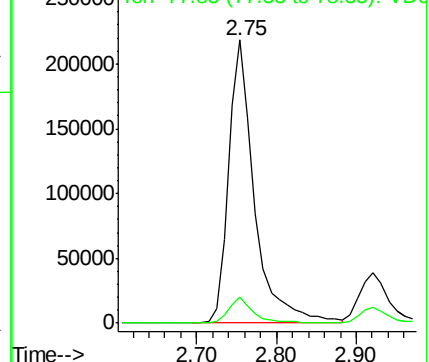
Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 53.05 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058314.D

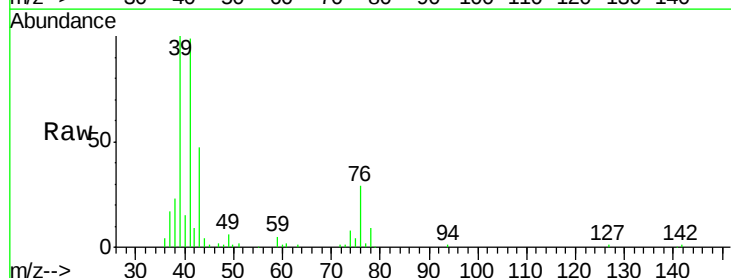
Acq: 22 Jun 2018 23:34

Tgt Ion: 43 Resp: 138414

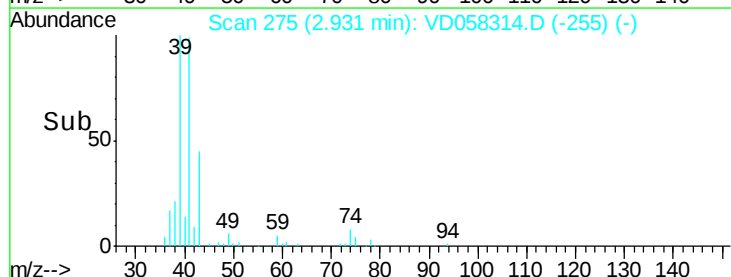
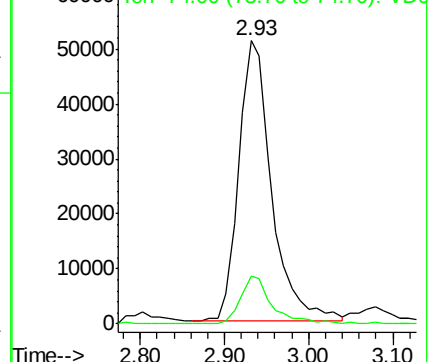
Ion Ratio Lower Upper

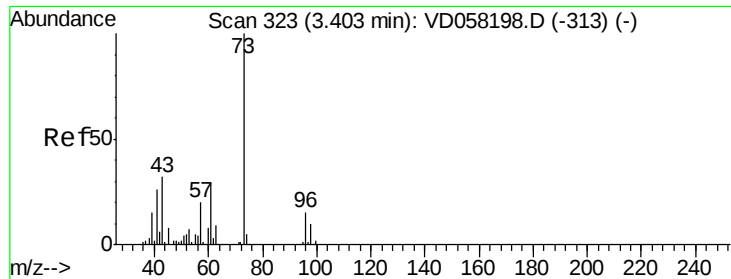
43 100

74 16.9 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



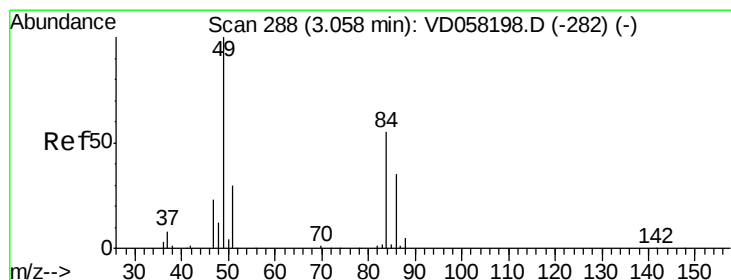
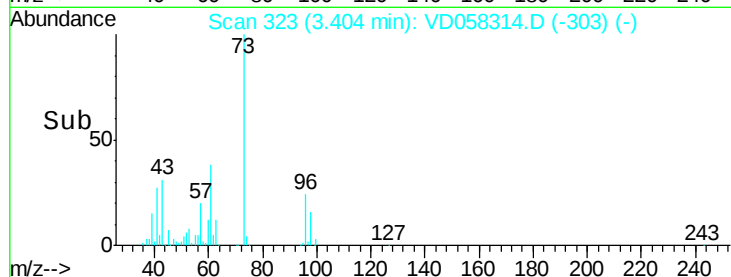
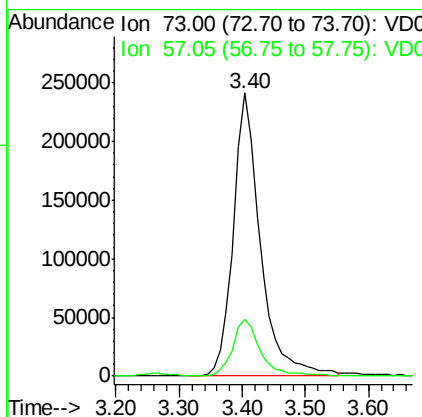
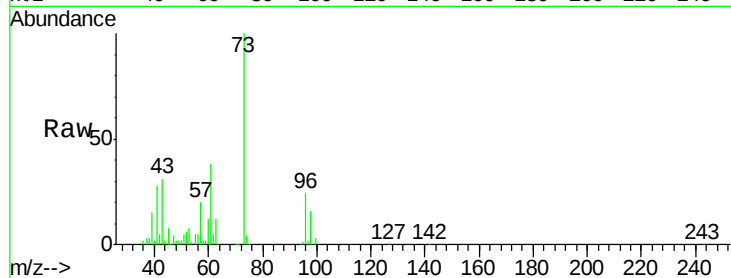


#19

Methyl tert-butyl Ether
 Concen: 88.78 ug/l
 RT: 3.40 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

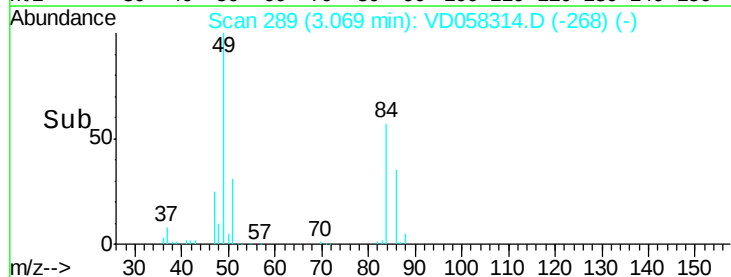
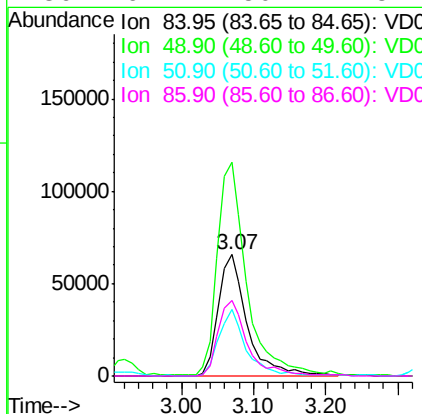
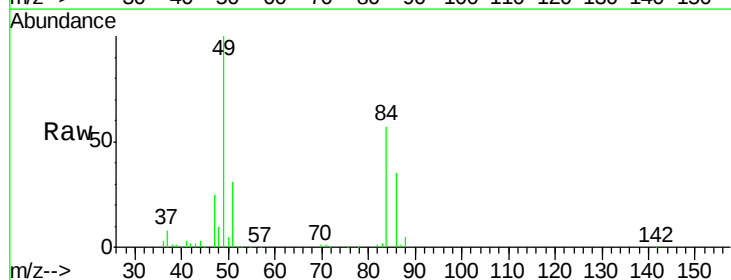
Tot Ion: 73 Resp: 716477
 Ion Ratio Lower Upper
 73 100
 57 20.0 16.6 24.8

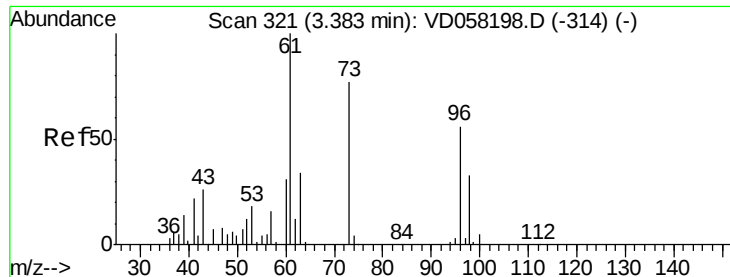


#20

Methylene Chloride
 Concen: 57.44 ug/l
 RT: 3.07 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion: 84 Resp: 181200
 Ion Ratio Lower Upper
 84 100
 49 175.8 145.0 217.6
 51 54.6 42.9 64.3
 86 61.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 71.30 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

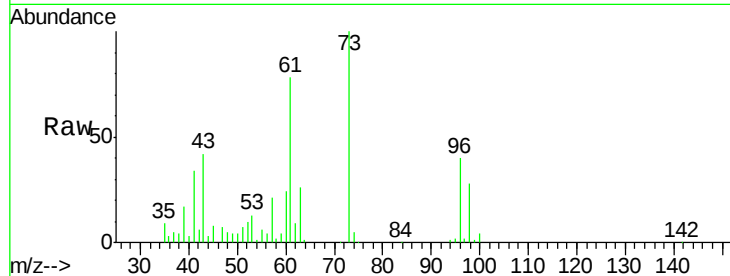
Tot Ion: 96 Resp: 237102

Ion Ratio Lower Upper

96 100

61 191.8 143.8 215.6

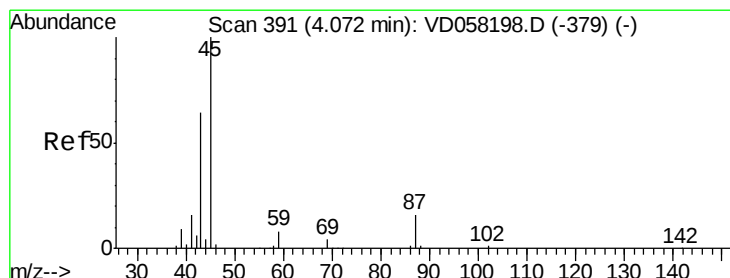
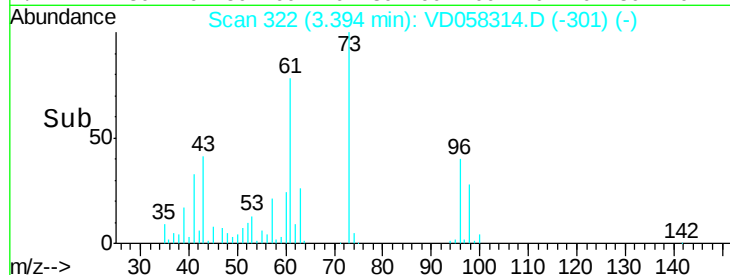
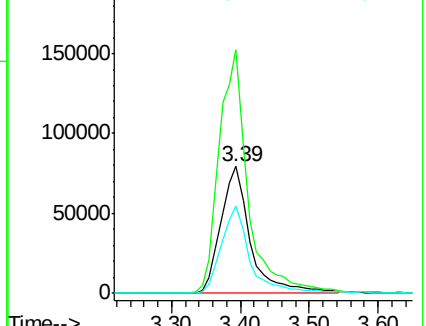
98 69.0 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.46 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Tgt Ion: 45 Resp: 1475640

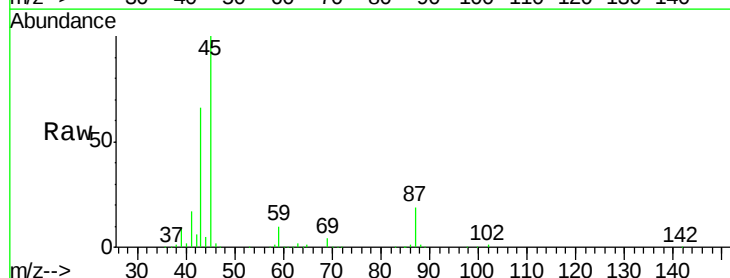
Ion Ratio Lower Upper

45 100

43 66.0 51.4 77.0

87 18.5 13.0 19.4

59 9.5 6.9 10.3

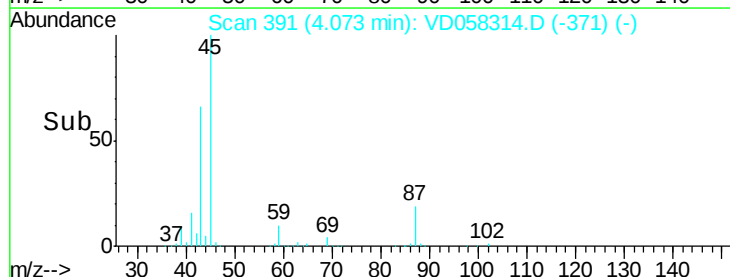
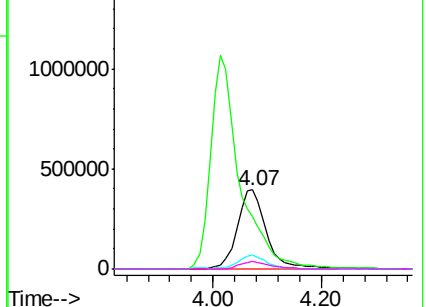


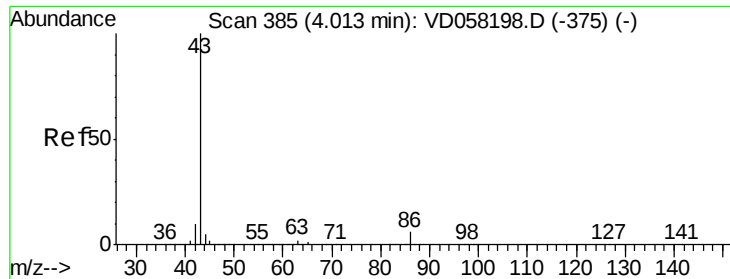
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 262.94 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

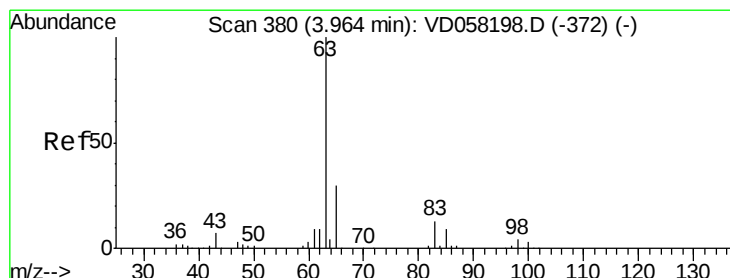
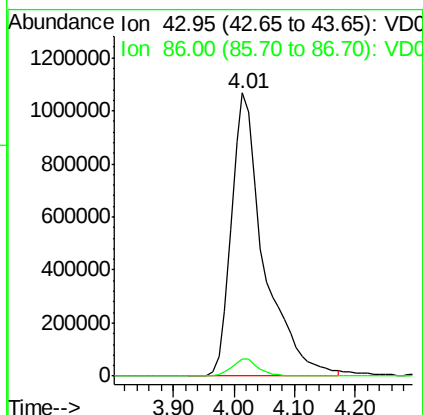
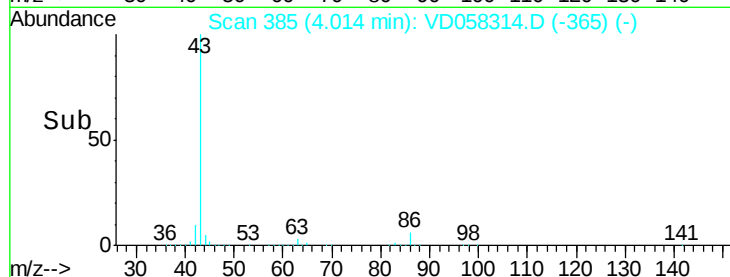
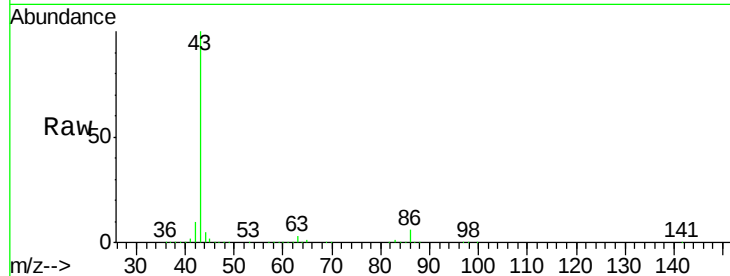
VSTDCCC050EC

Tot Ion: 43 Resp: 3964566

Ion Ratio Lower Upper

43 100

86 6.1 5.0 7.4



#24

1,1-Dichloroethane

Concen: 53.94 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

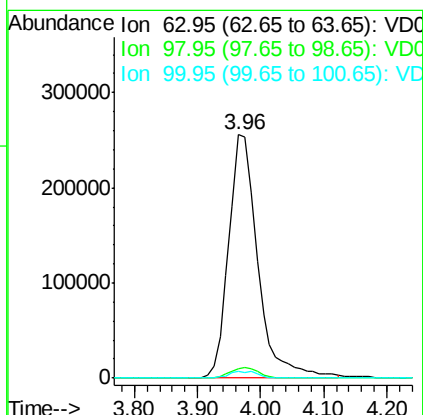
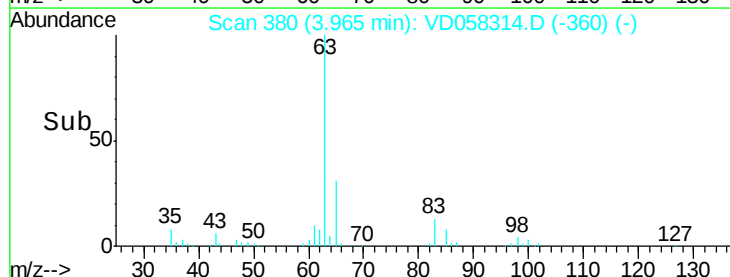
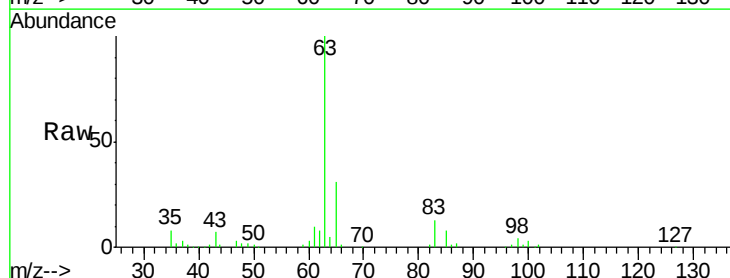
Tgt Ion: 63 Resp: 817296

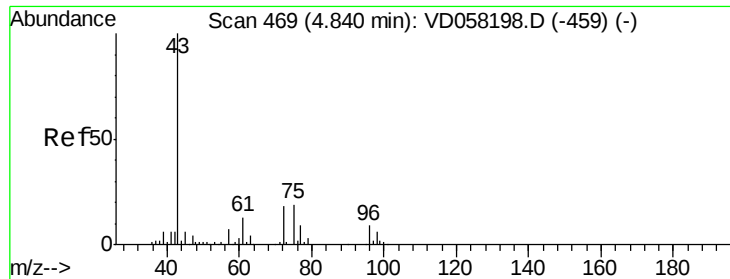
Ion Ratio Lower Upper

63 100

98 4.1 1.9 5.7

100 2.9 1.3 3.9





#25

2-Butanone

Concen: 250.59 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

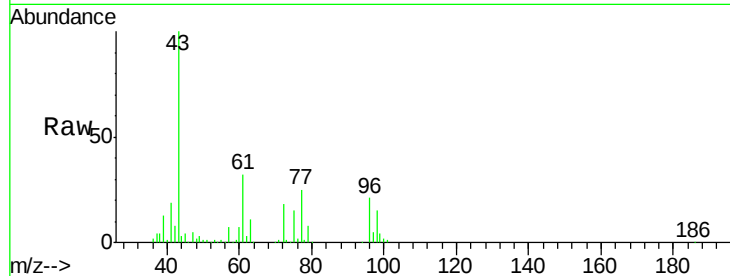
VSTDCCC050EC

Tot Ion: 43 Resp: 668188

Ion Ratio Lower Upper

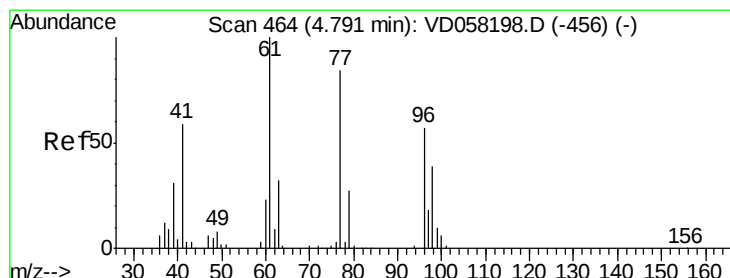
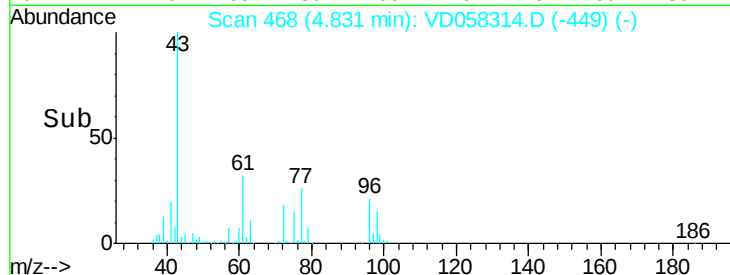
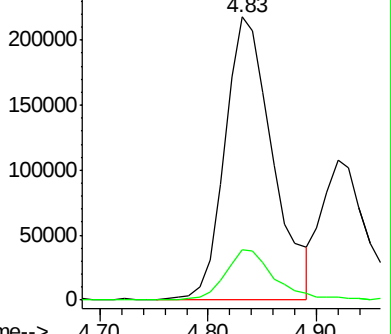
43 100

72 18.0 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.03 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058314.D

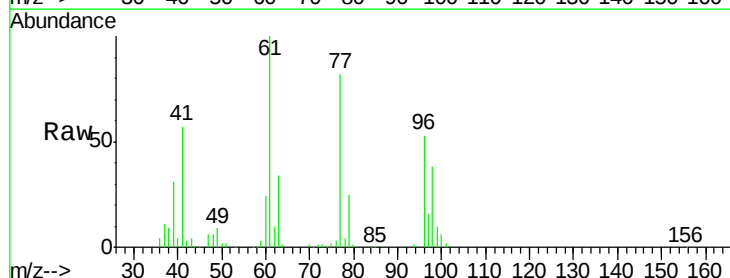
Acq: 22 Jun 2018 23:34

Tgt Ion: 77 Resp: 634846

Ion Ratio Lower Upper

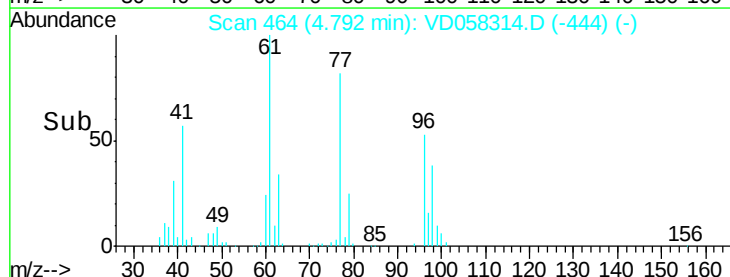
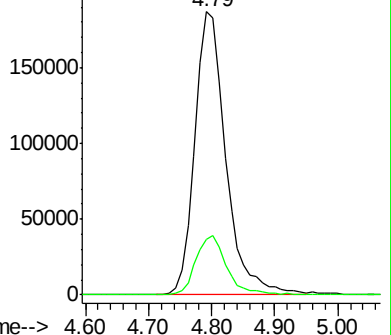
77 100

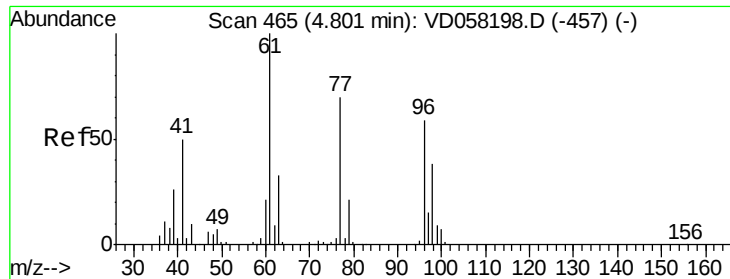
97 19.5 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 52.92 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

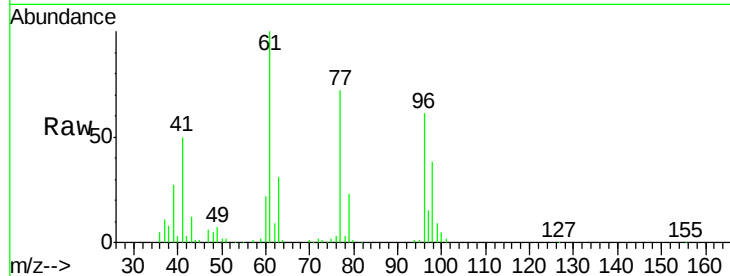
Tot Ion: 96 Resp: 439749

Ion Ratio Lower Upper

96 100

61 165.0 0.0 338.6

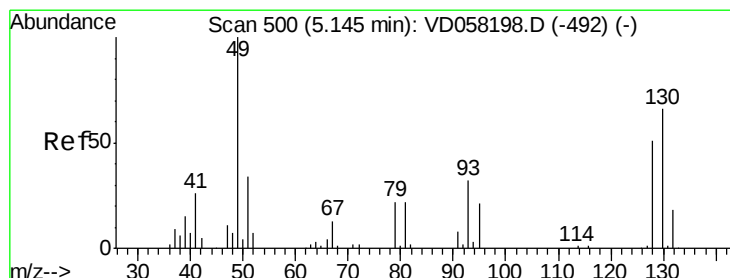
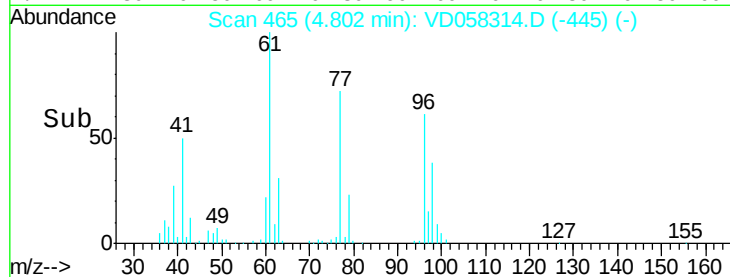
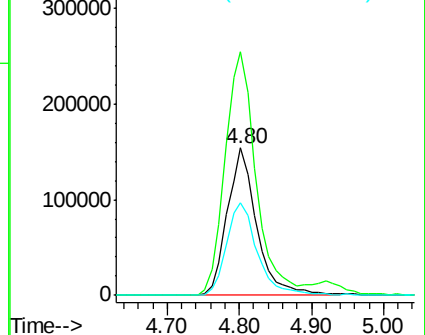
98 62.3 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 54.10 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

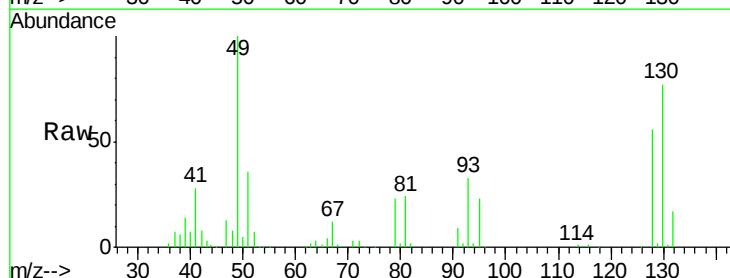
Tgt Ion: 49 Resp: 367519

Ion Ratio Lower Upper

49 100

129 1.9 0.0 0.0#

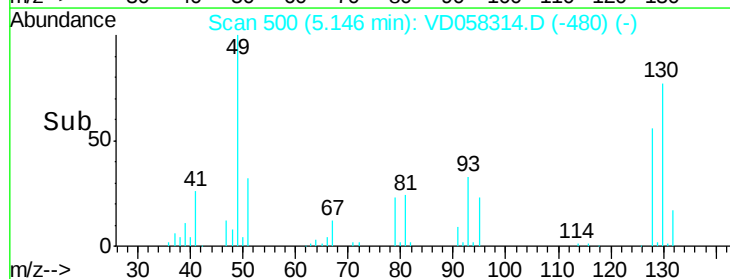
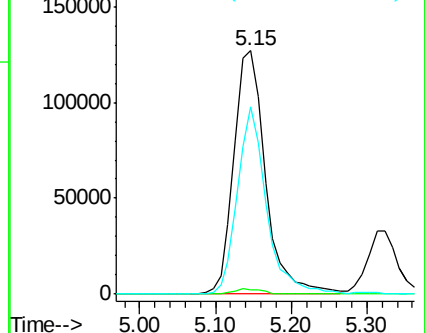
130 76.9 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

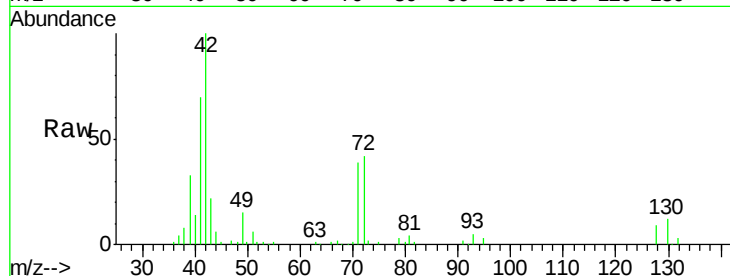




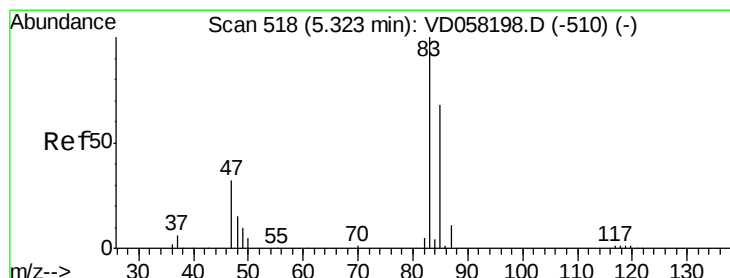
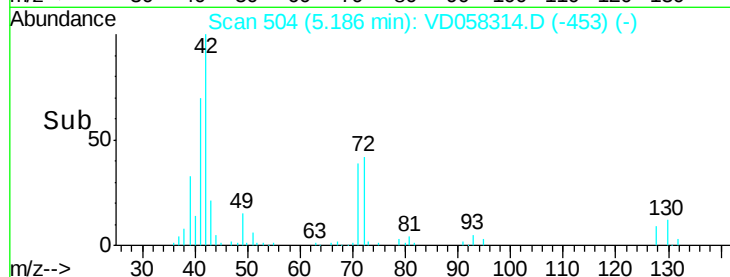
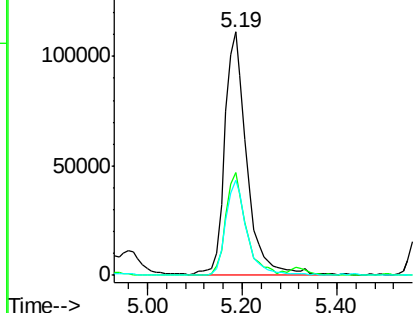
#29
Tetrahydrofuran
Concen: 250.23 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 355152
Ion Ratio Lower Upper
42 100
72 38.6 30.2 45.2
71 37.6 30.1 45.1

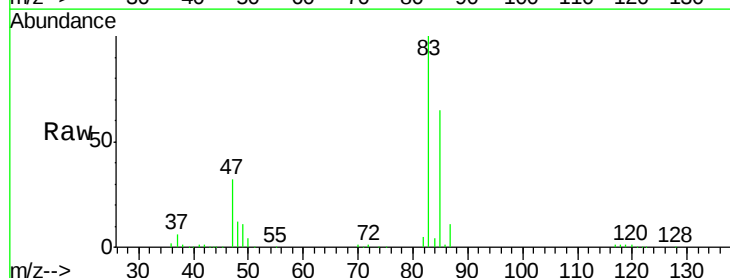


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

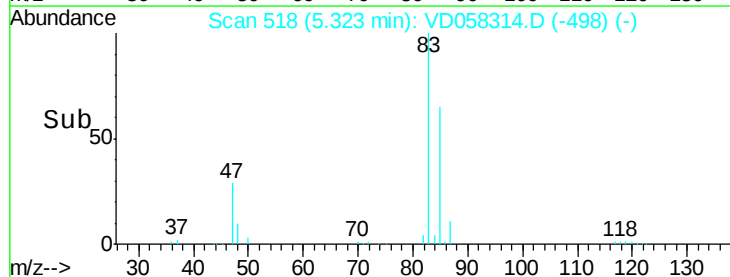
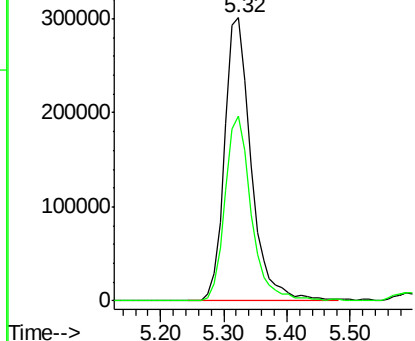


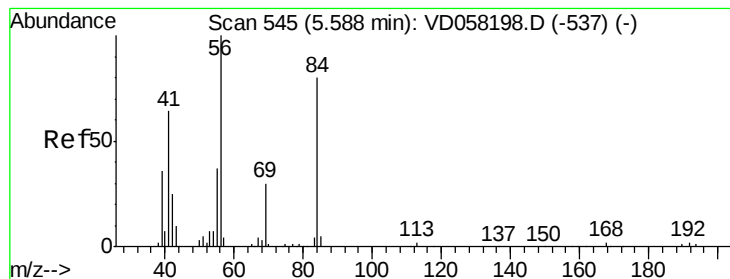
#30
Chloroform
Concen: 54.94 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion: 83 Resp: 878934
Ion Ratio Lower Upper
83 100
85 65.3 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 50.63 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

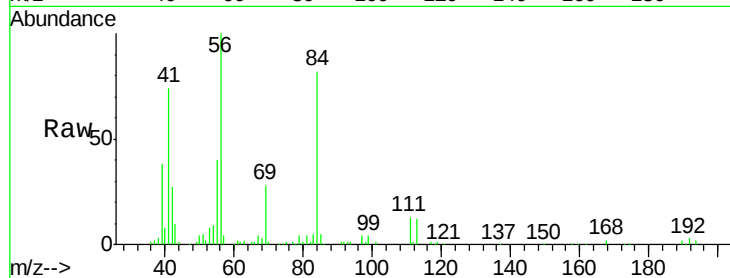
Tot Ion: 56 Resp: 556334

Ion Ratio Lower Upper

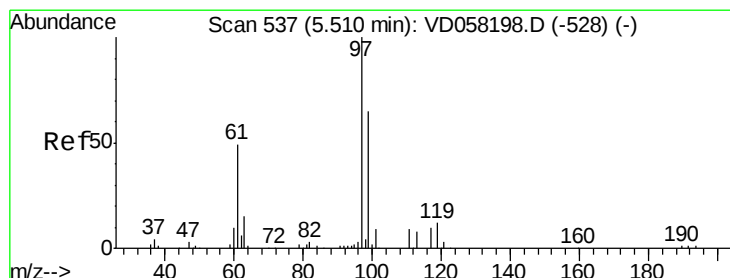
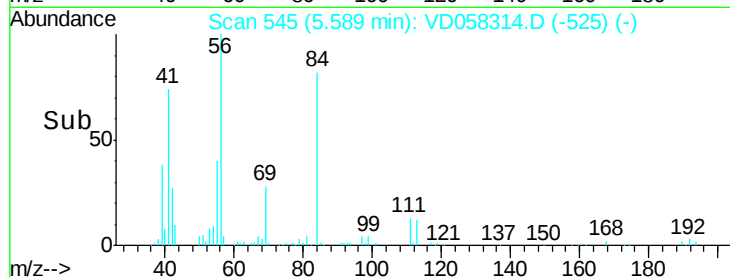
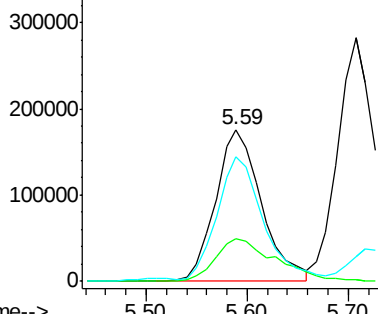
56 100

69 28.2 23.6 35.4

84 81.8 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 54.76 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

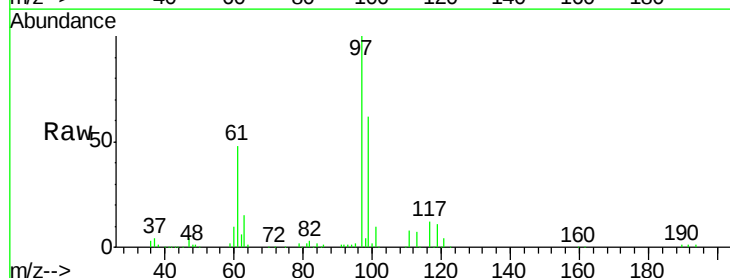
Tgt Ion: 97 Resp: 723832

Ion Ratio Lower Upper

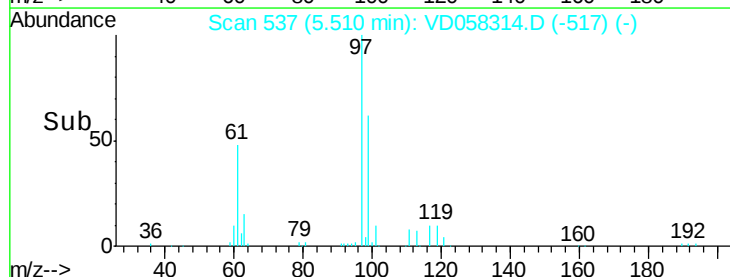
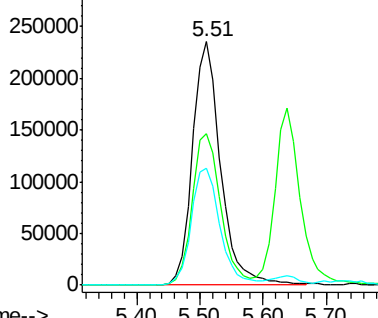
97 100

99 62.4 52.2 78.4

61 47.9 39.0 58.4



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





#33

1,2-Dichloroethane-d4

Concen: 54.76 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

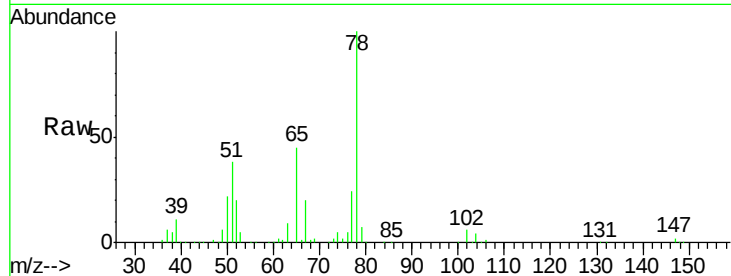
VSTDCCC050EC

Tot Ion: 65 Resp: 535721

Ion Ratio Lower Upper

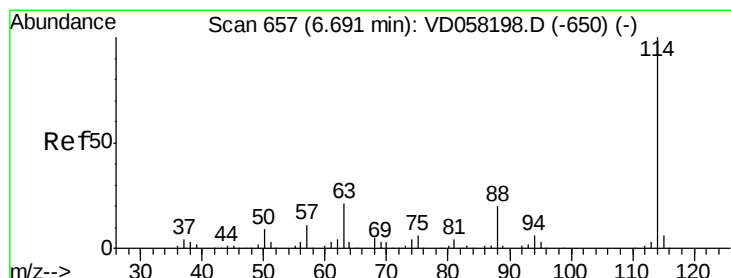
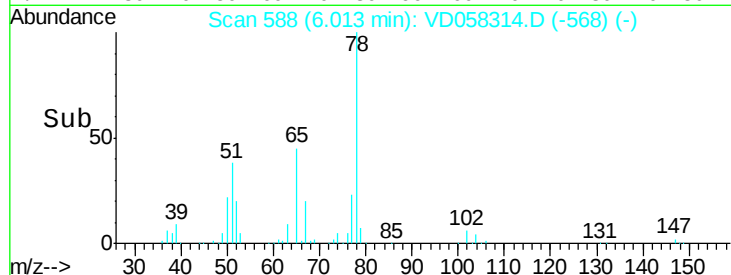
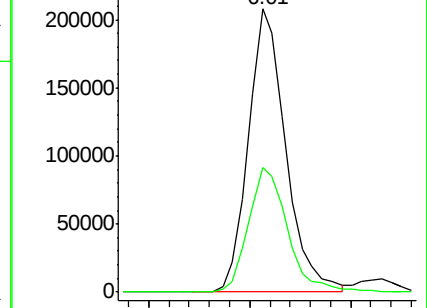
65 100

67 44.3 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

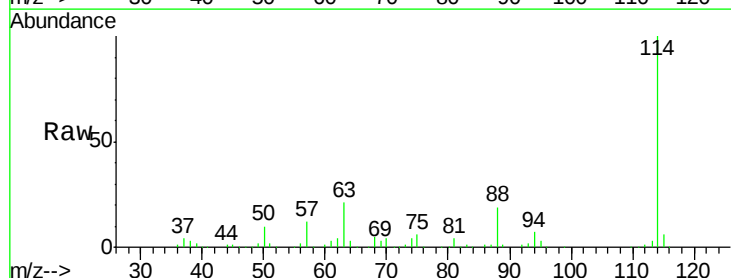
Tgt Ion: 114 Resp: 1201897

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

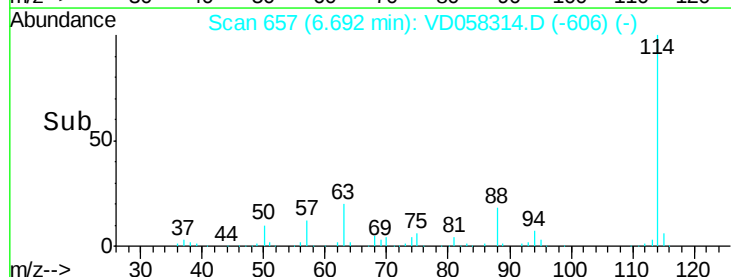
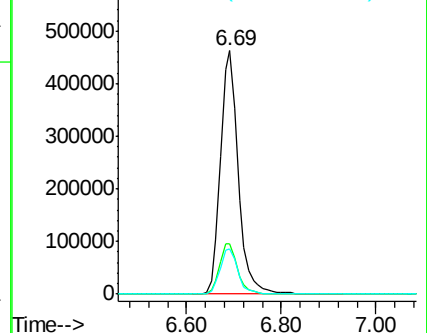
88 18.5 0.0 40.6

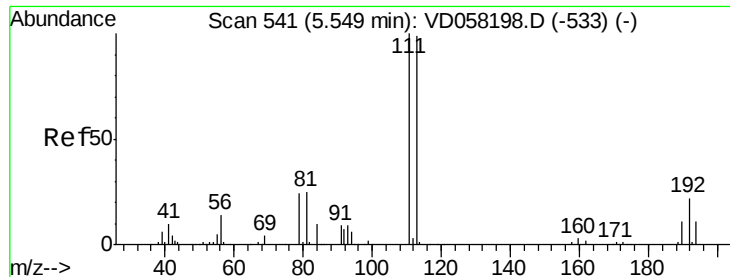


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

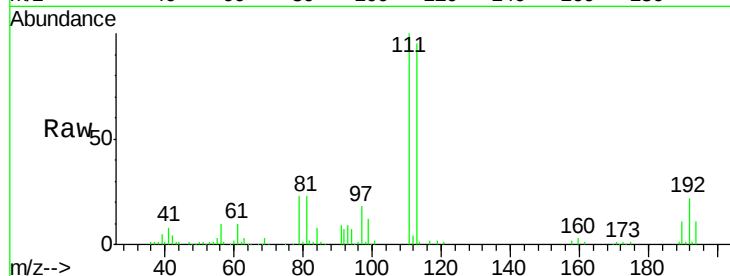




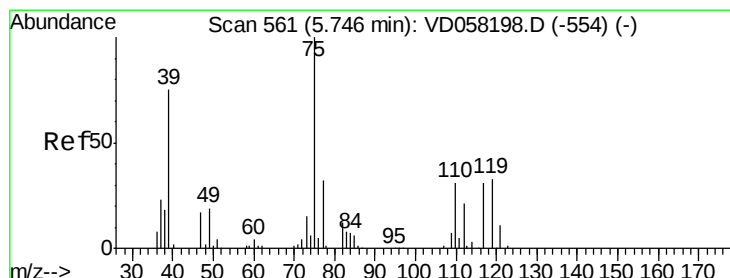
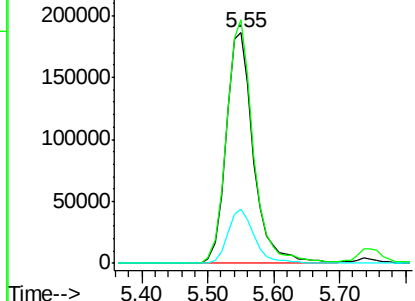
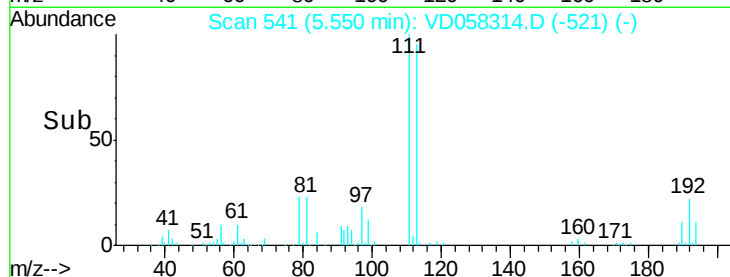
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 538895
Ion Ratio Lower Upper
113 100
111 105.7 80.6 121.0
192 23.3 17.8 26.6

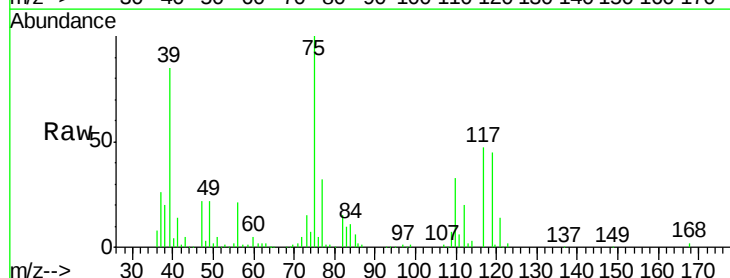


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

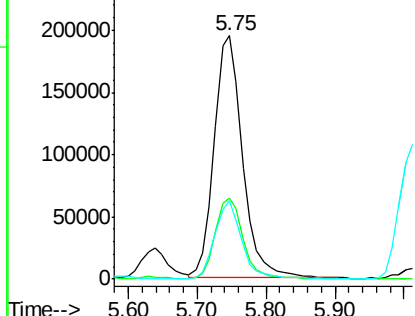
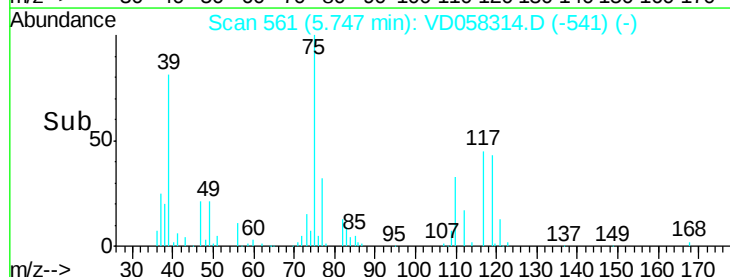


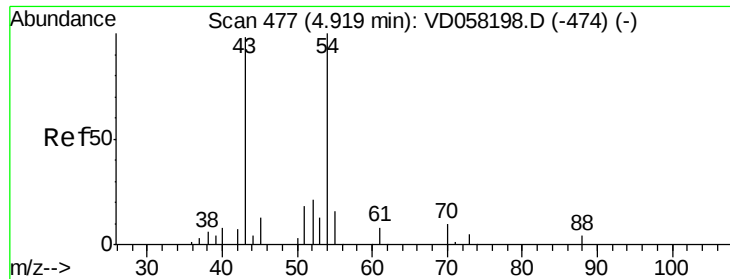
#36
1,1-Dichloropropene
Concen: 46.76 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion: 75 Resp: 555944
Ion Ratio Lower Upper
75 100
110 33.1 15.4 46.4
77 32.2 25.4 38.2



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

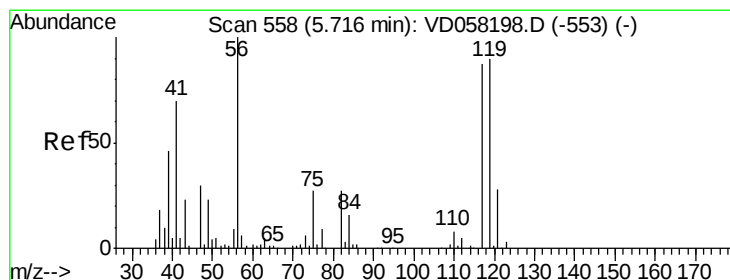
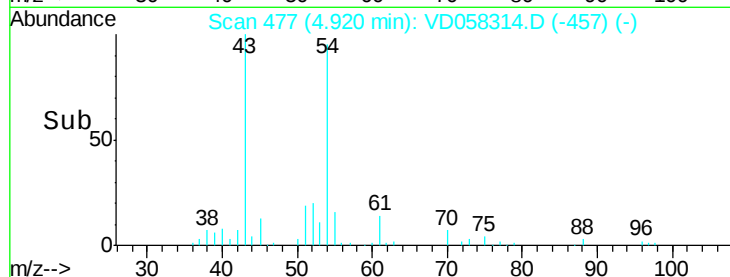
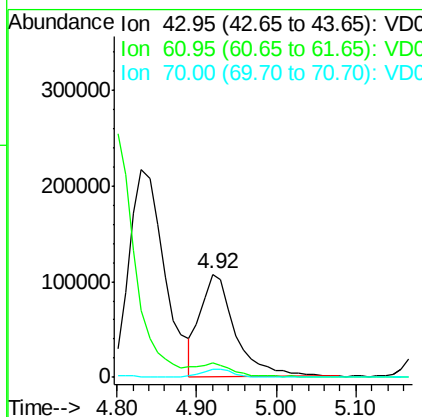
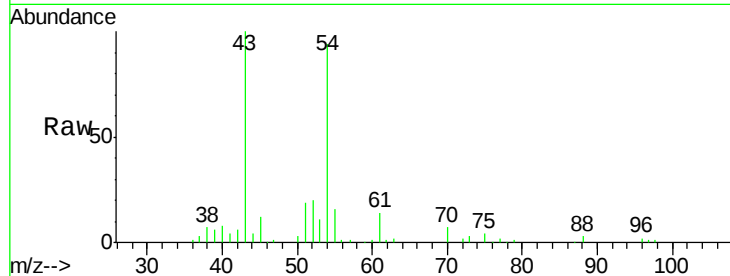




#37
Ethyl Acetate
Concen: 47.51 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

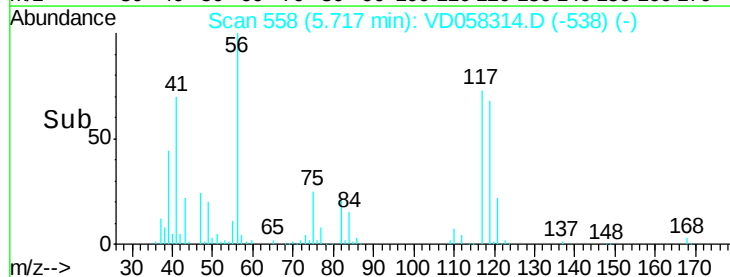
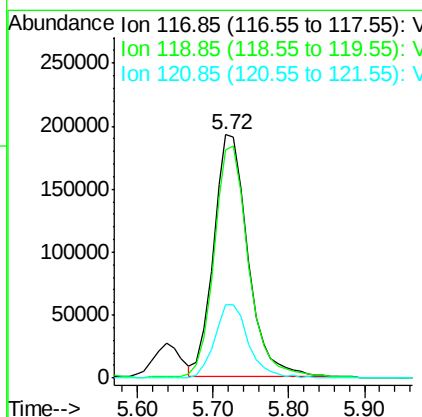
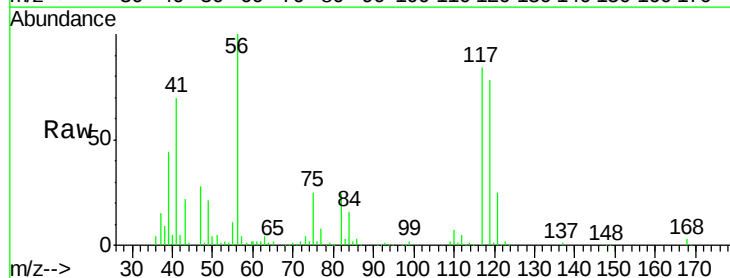
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

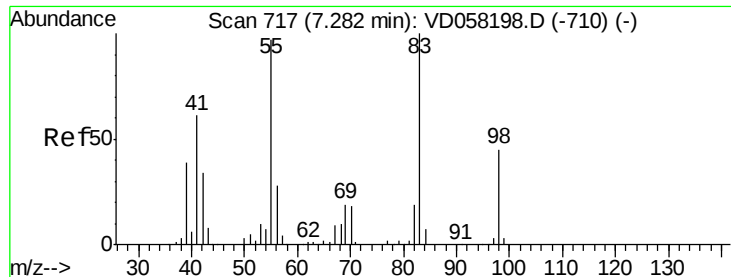
Tot Ion: 43 Resp: 321850
Ion Ratio Lower Upper
43 100
61 13.5 10.3 15.5
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 51.20 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion: 117 Resp: 604847
Ion Ratio Lower Upper
117 100
119 93.7 78.8 118.2
121 30.1 25.0 37.6

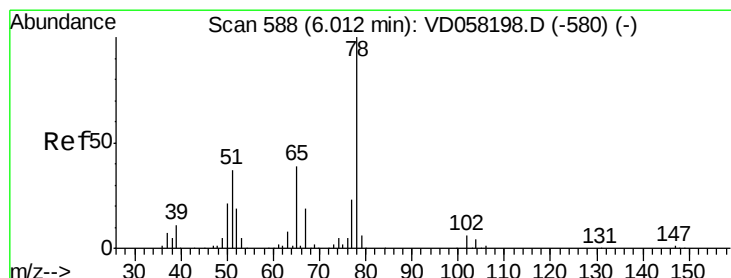
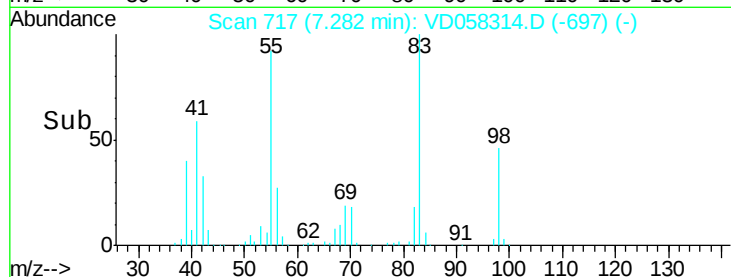
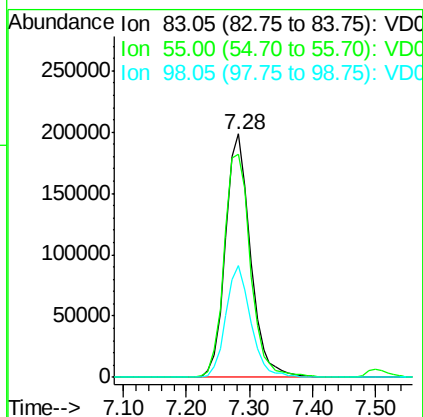
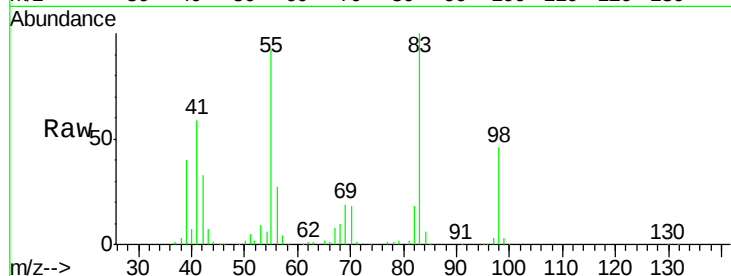




#39
Methvlcvclohexane
Concen: 47.17 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

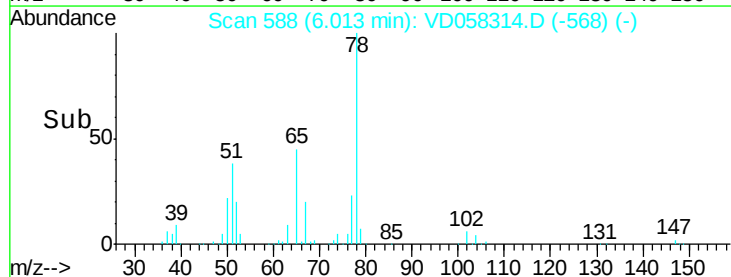
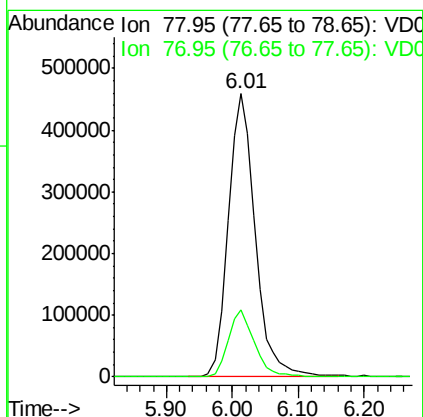
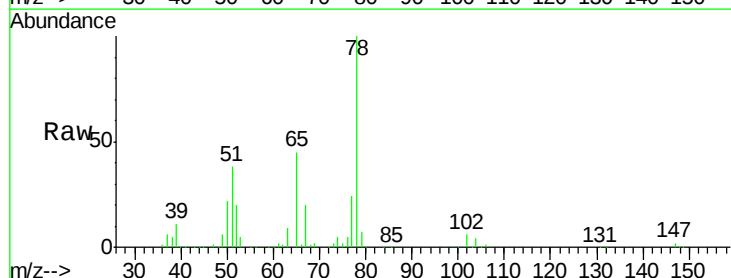
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

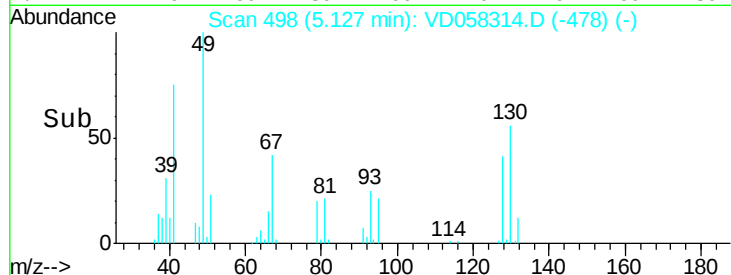
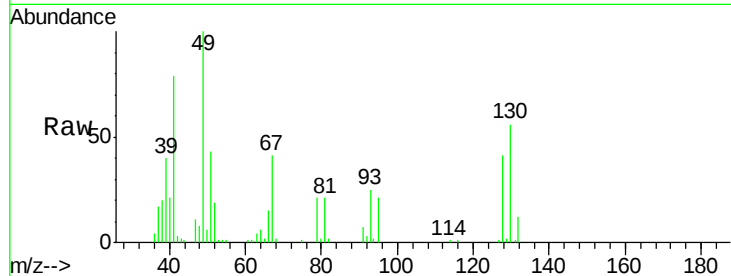
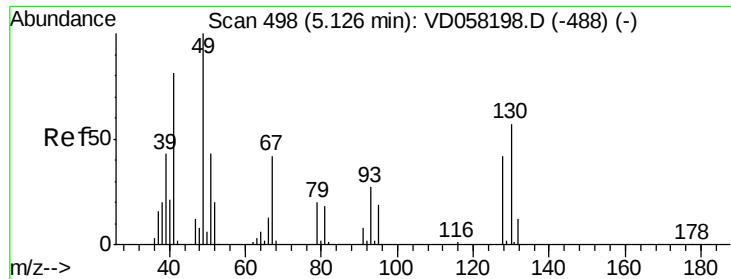
Tot Ion: 83 Resp: 546315
Ion Ratio Lower Upper
83 100
55 91.6 77.4 116.2
98 45.8 35.9 53.9



#40
Benzene
Concen: 46.44 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion: 78 Resp: 1315258
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7





#41

Methacrylonitrile

Concen: 50.34 ug/l

RT: 5.13 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 164688

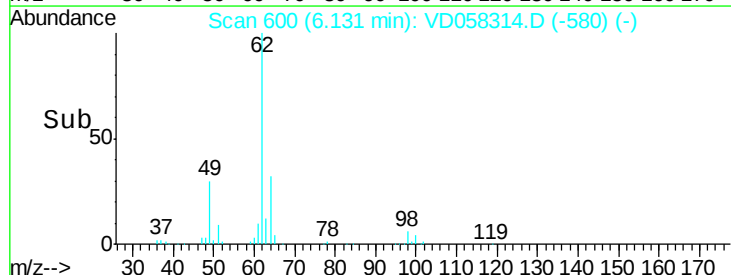
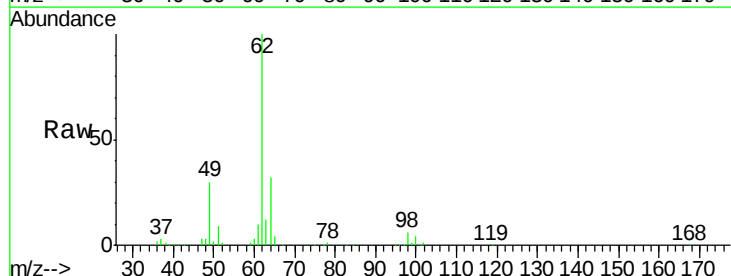
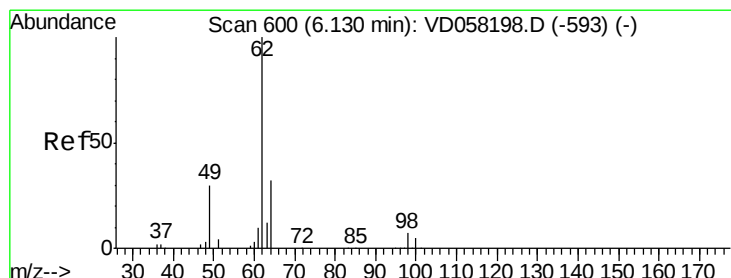
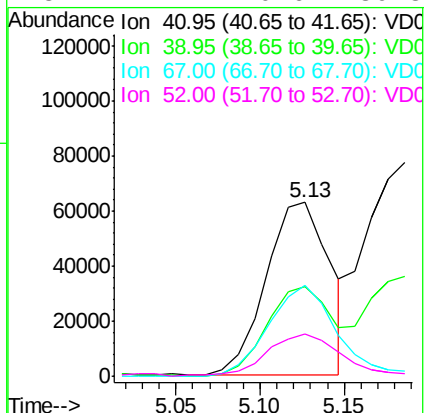
Ion Ratio Lower Upper

41 100

39 51.3 43.4 65.2

67 52.4 41.7 62.5

52 24.4 20.6 30.8



#42

1,2-Dichloroethane

Concen: 52.66 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD058314.D

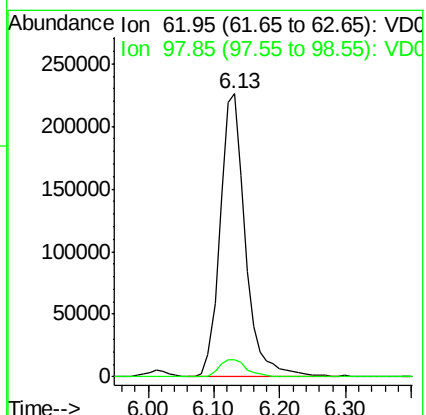
Acq: 22 Jun 2018 23:34

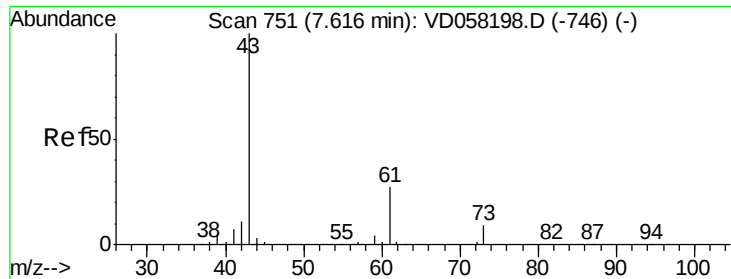
Tgt Ion: 62 Resp: 601383

Ion Ratio Lower Upper

62 100

98 6.2 0.0 13.2



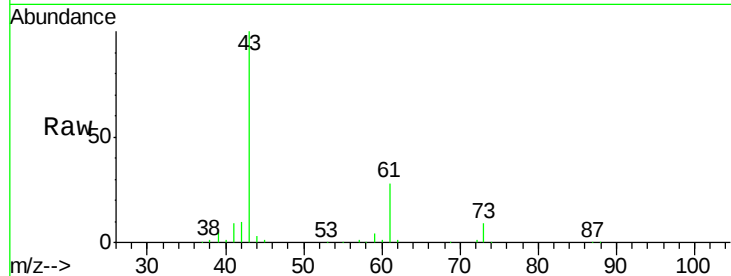


#43

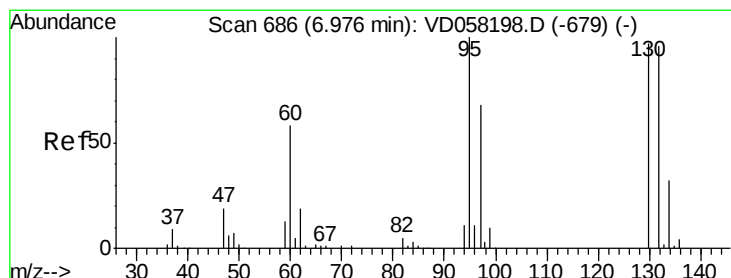
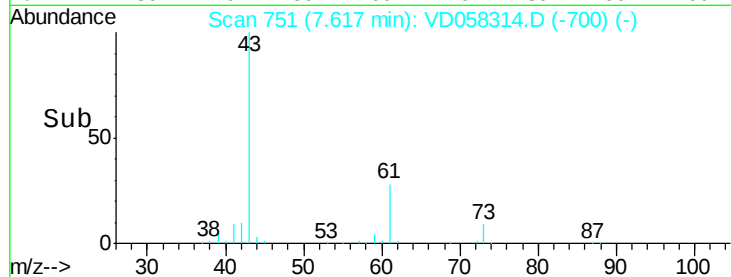
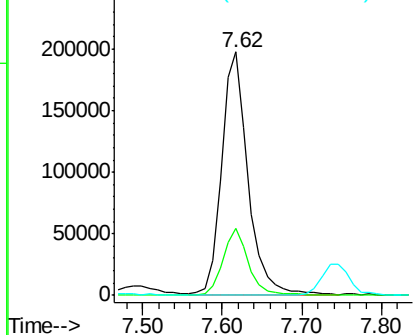
Isopropyl Acetate
 Concen: 50.44 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 455578
 Ion Ratio Lower Upper
 43 100
 61 27.6 21.8 32.6
 87 0.3 0.3 0.5



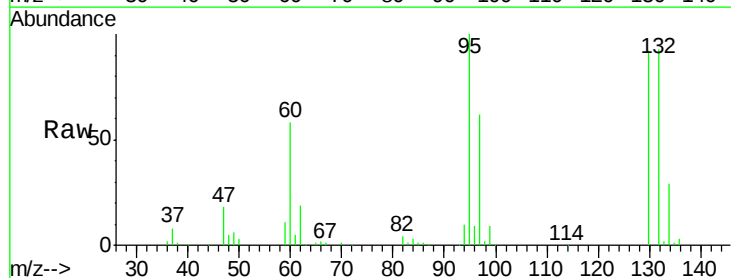
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



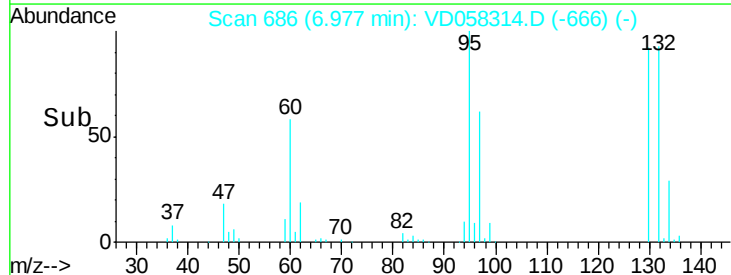
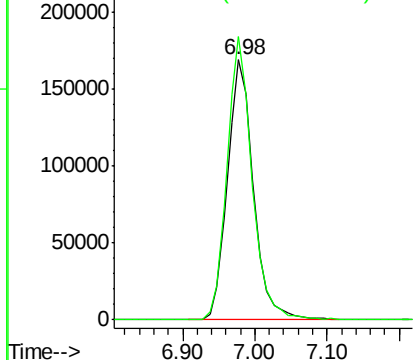
#44

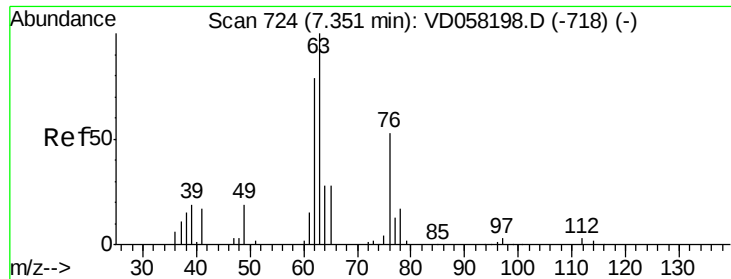
Trichloroethene
 Concen: 49.86 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion: 130 Resp: 424020
 Ion Ratio Lower Upper
 130 100
 95 108.8 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 51.74 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

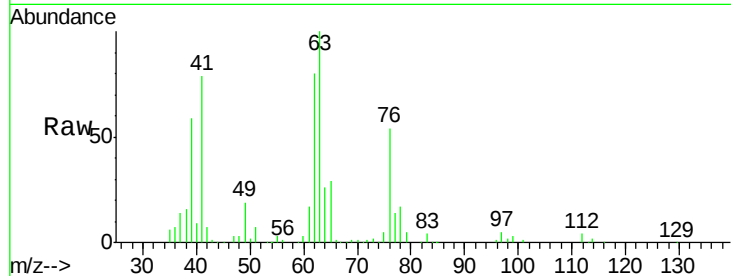
VSTDCCC050EC

Tot Ion: 63 Resp: 394637

Ion Ratio Lower Upper

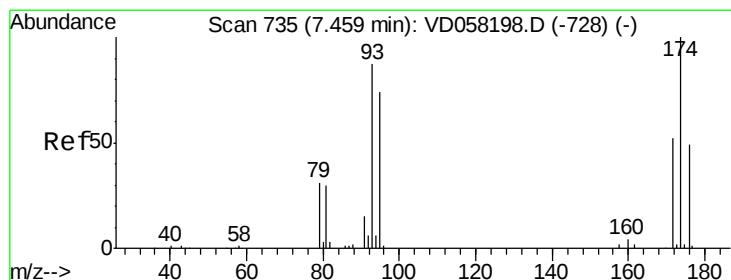
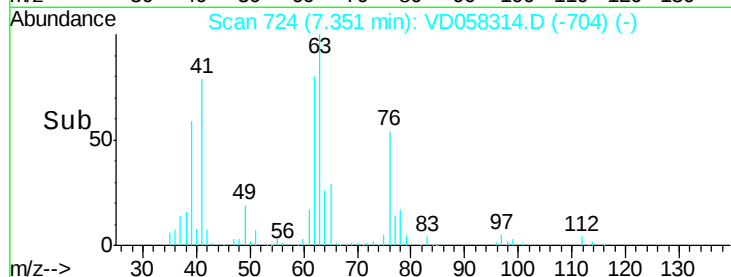
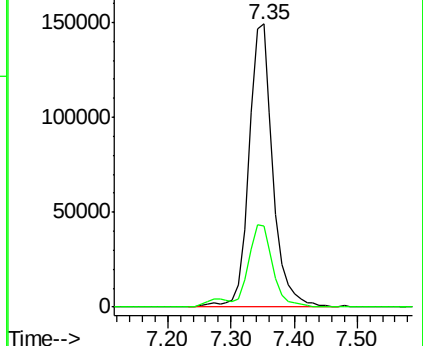
63 100

65 28.7 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.77 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

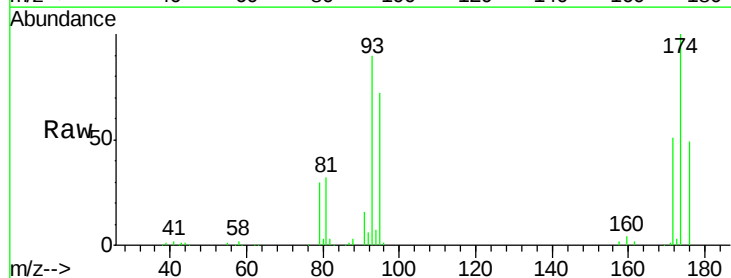
Tgt Ion: 93 Resp: 259162

Ion Ratio Lower Upper

93 100

95 80.6 67.8 101.6

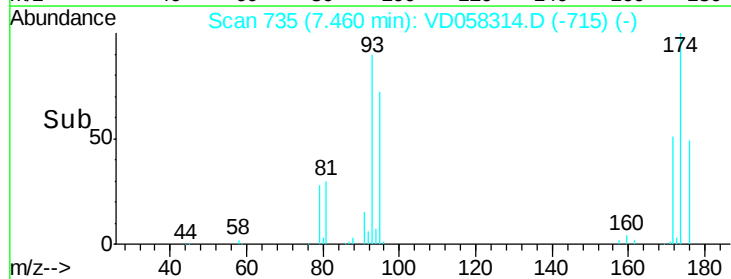
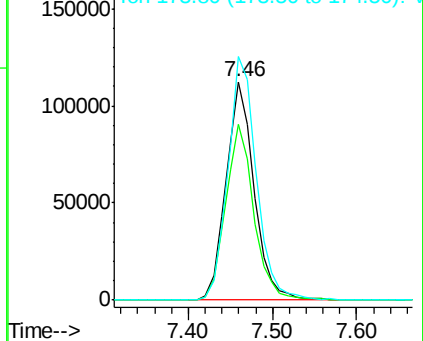
174 111.4 92.2 138.2

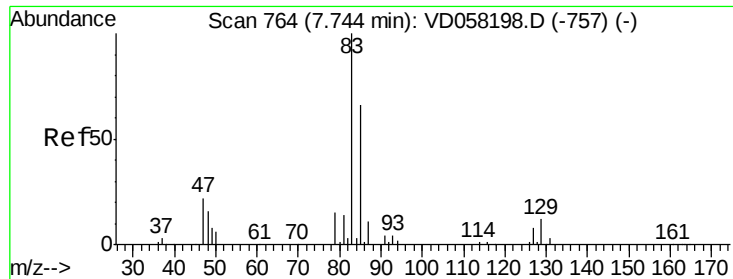


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.76 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

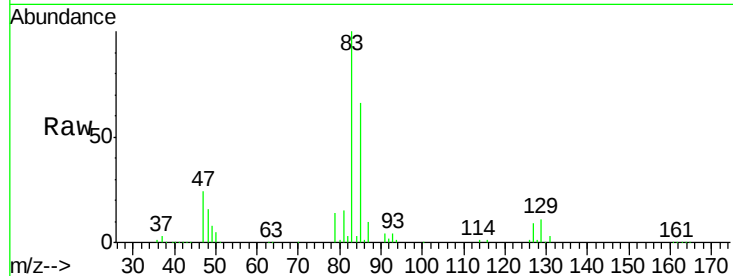
Tot Ion: 83 Resp: 626455

Ion Ratio Lower Upper

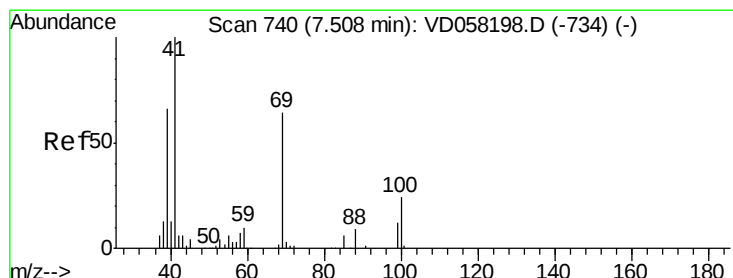
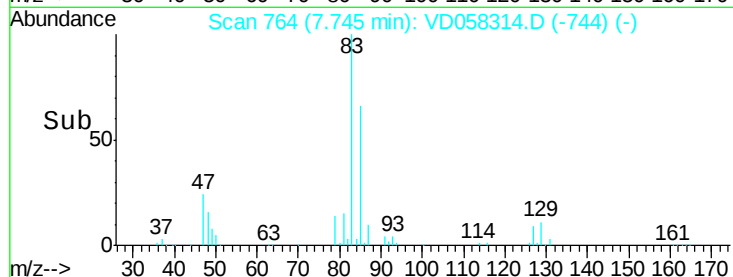
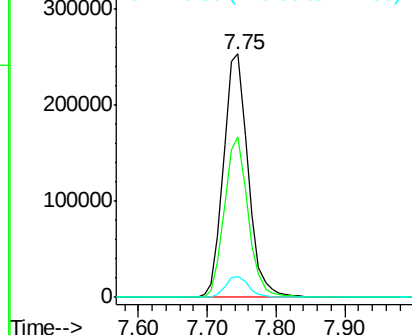
83 100

85 65.6 52.6 78.8

127 8.8 6.2 9.4



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



#48

Methyl methacrylate

Concen: 51.58 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

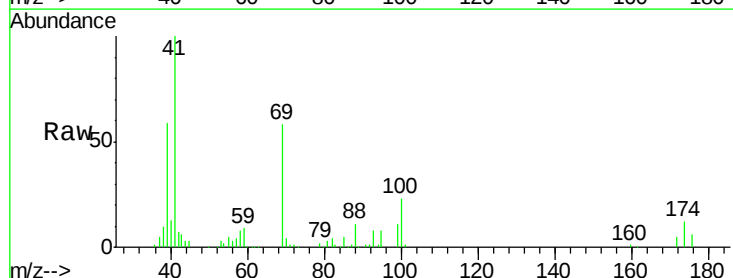
Tgt Ion: 41 Resp: 283118

Ion Ratio Lower Upper

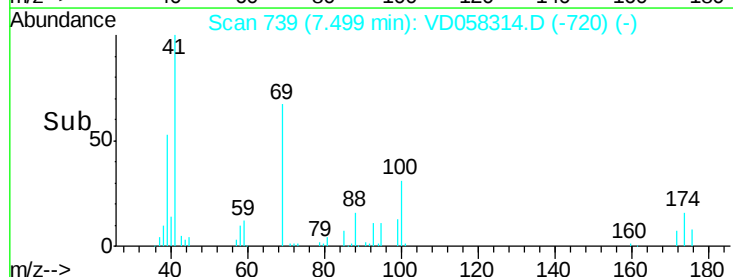
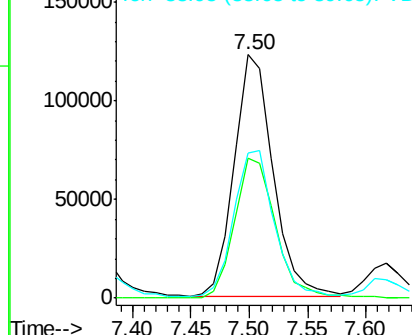
41 100

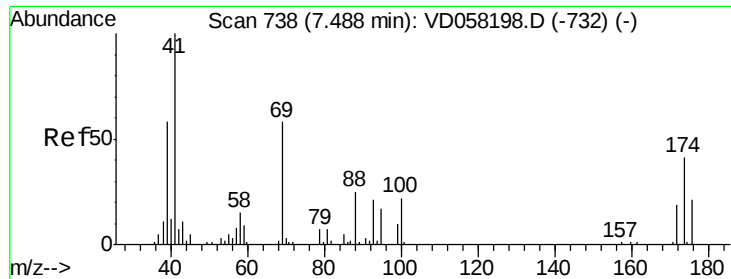
69 57.6 50.7 76.1

39 59.5 52.6 78.8



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





#49

1,4-Dioxane

Concen: 1079.36 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

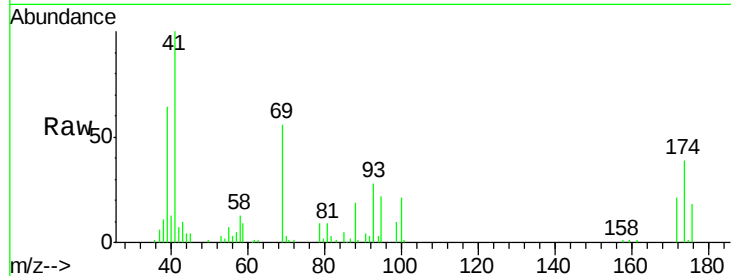
Tot Ion: 88 Resp: 53482

Ion Ratio Lower Upper

88 100

43 55.6 34.2 51.2#

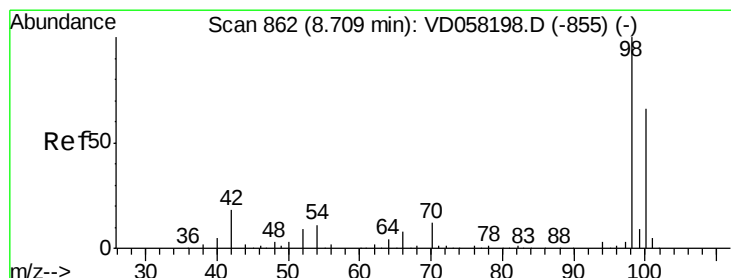
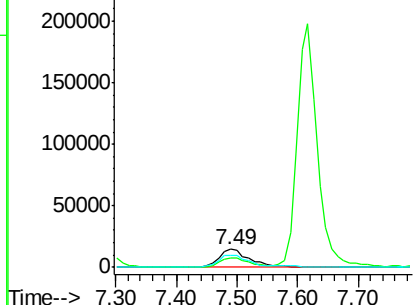
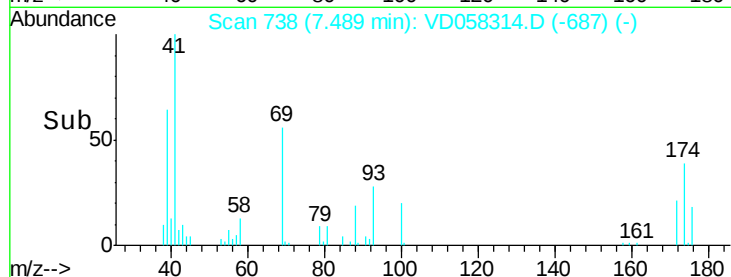
58 69.1 47.9 71.9



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1079.36 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058314.D

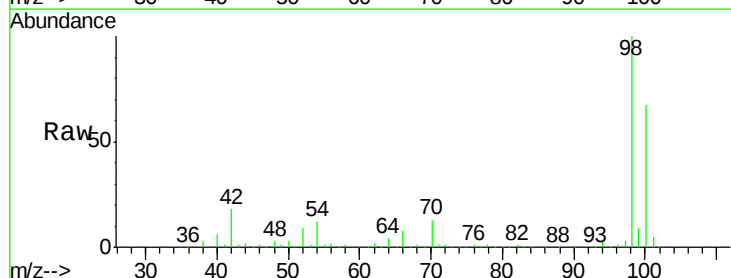
Acq: 22 Jun 2018 23:34

Tgt Ion: 98 Resp: 1253443

Ion Ratio Lower Upper

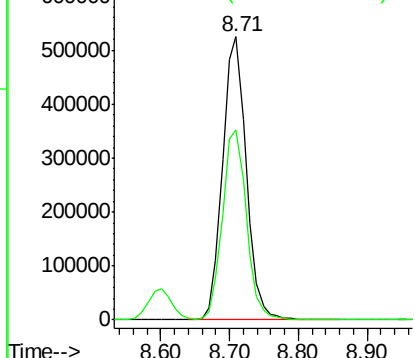
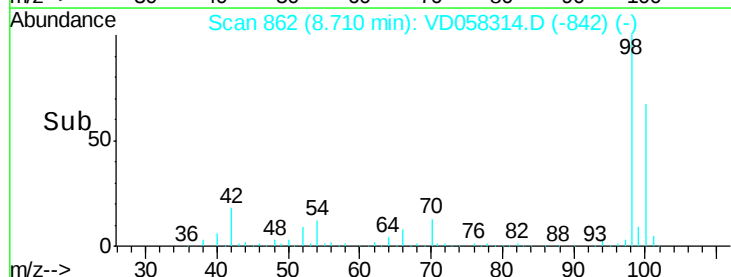
98 100

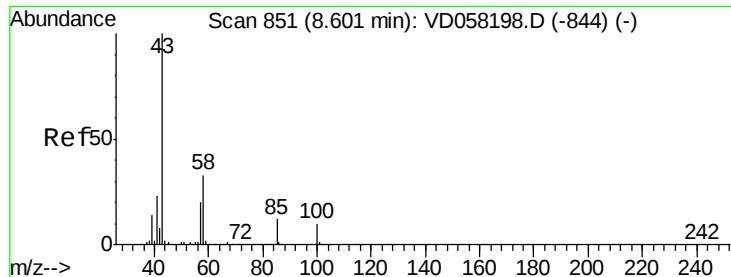
100 67.2 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 249.48 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

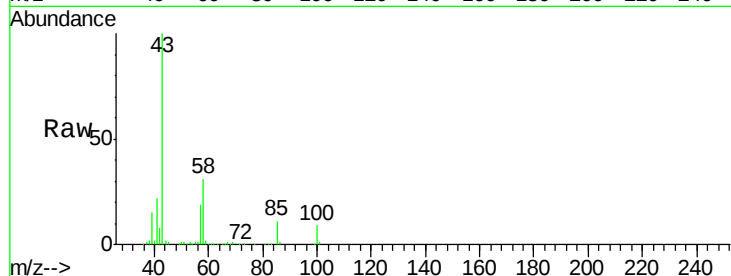
VSTDCCC050EC

Tot Ion: 43 Resp: 1469695

Ion Ratio Lower Upper

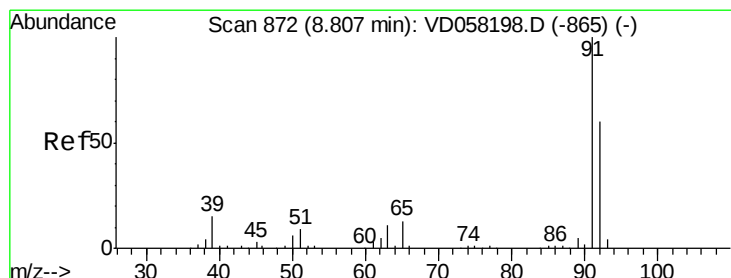
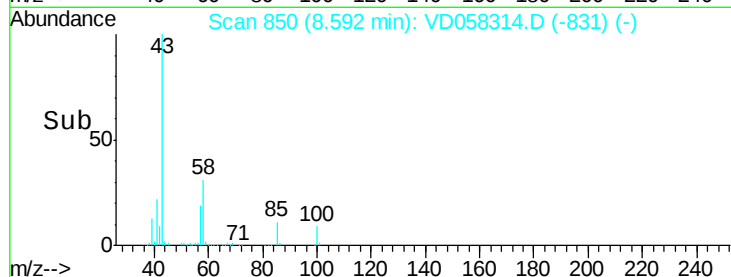
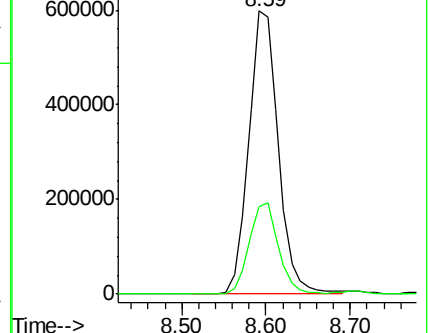
43 100

58 30.9 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.99 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058314.D

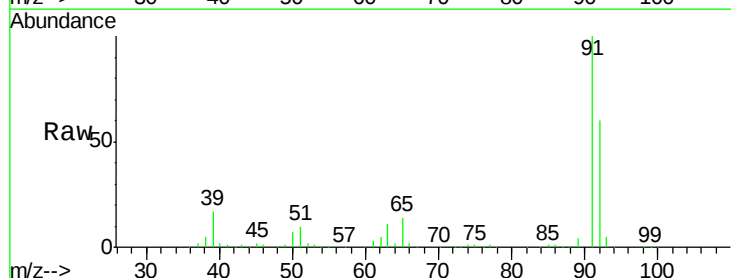
Acq: 22 Jun 2018 23:34

Tgt Ion: 92 Resp: 790121

Ion Ratio Lower Upper

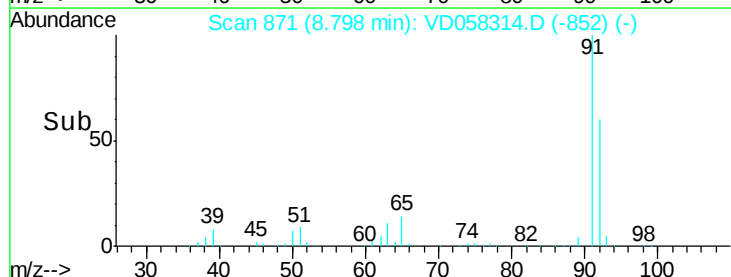
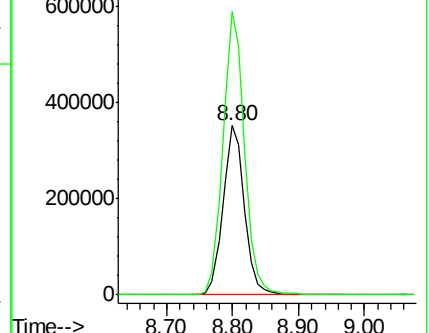
92 100

91 167.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

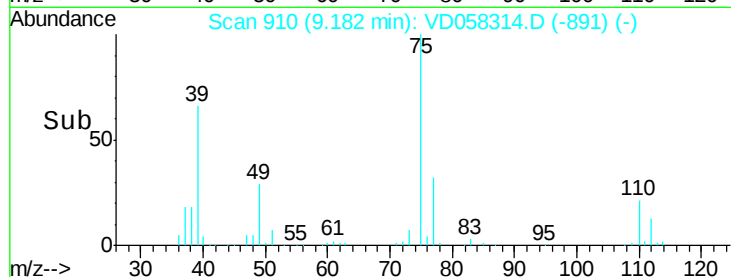
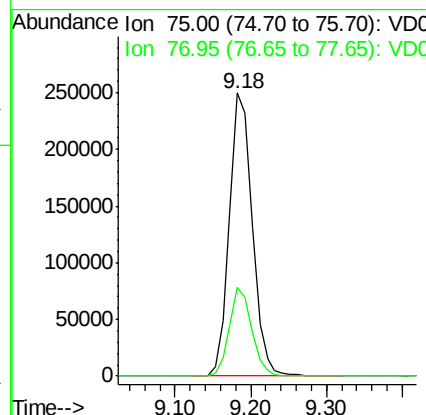
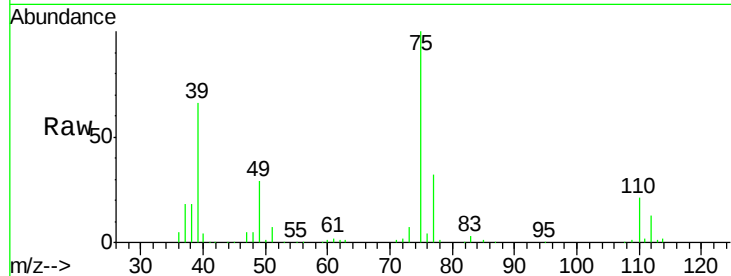




#53
 t-1,3-Dichloropropene
 Concen: 50.81 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

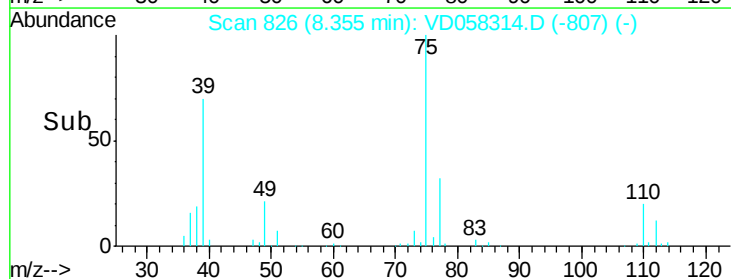
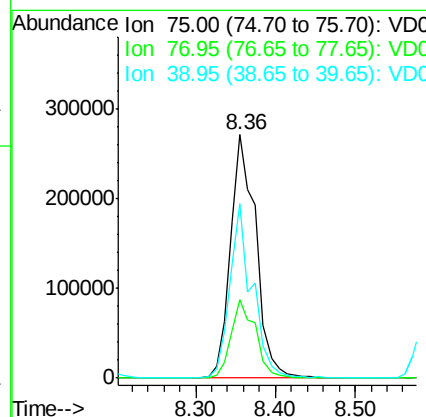
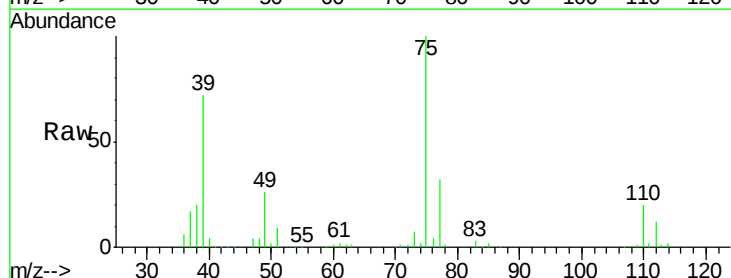
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

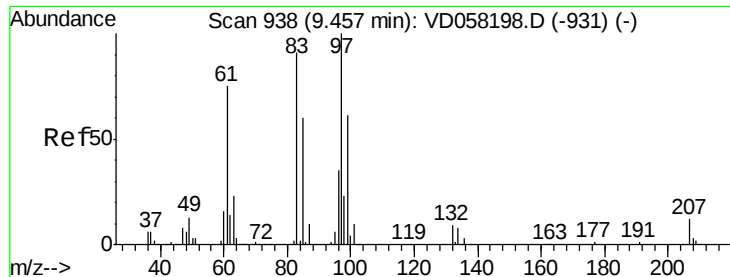
Tot Ion: 75 Resp: 524572
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.48 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion: 75 Resp: 610948
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.5 39.7
 39 71.9 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 50.96 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 290784

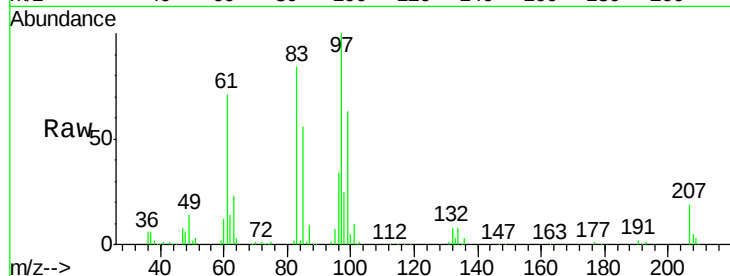
Ion Ratio Lower Upper

97 100

83 84.3 72.9 109.3

85 56.4 48.2 72.4

99 63.3 48.9 73.3

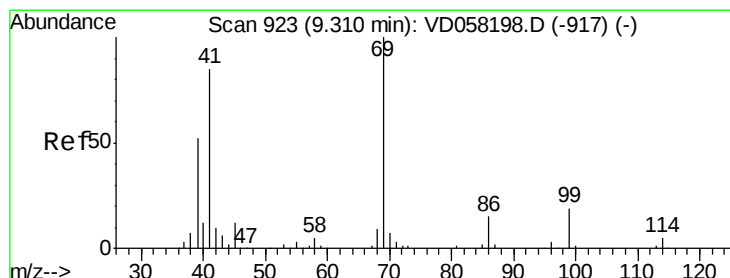
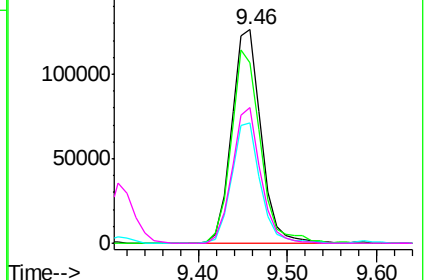
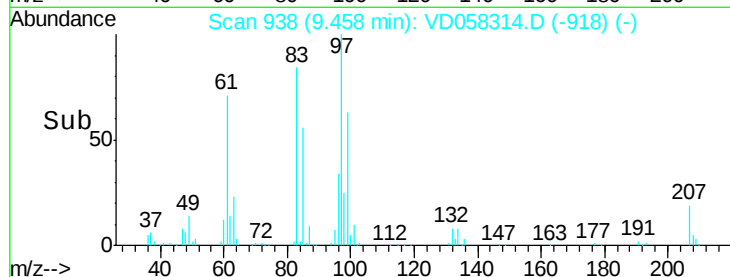


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 53.32 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

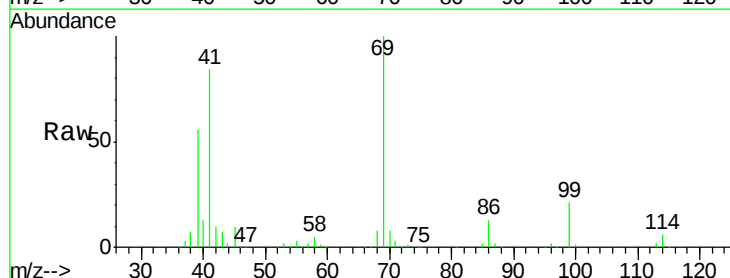
Tgt Ion: 69 Resp: 363831

Ion Ratio Lower Upper

69 100

41 84.2 67.6 101.4

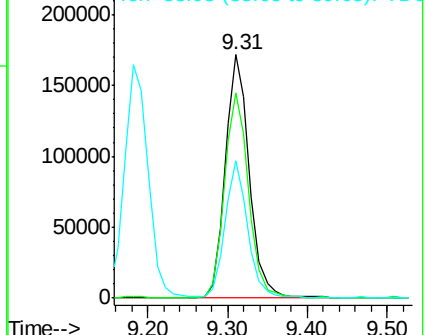
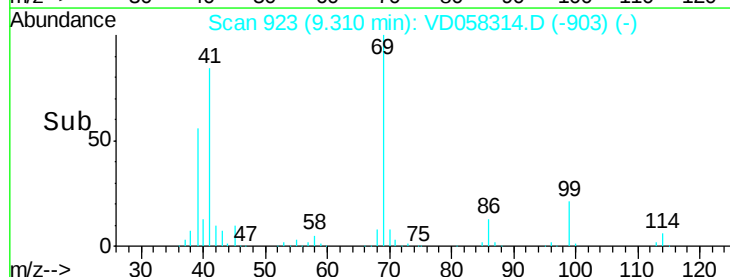
39 56.2 42.2 63.2

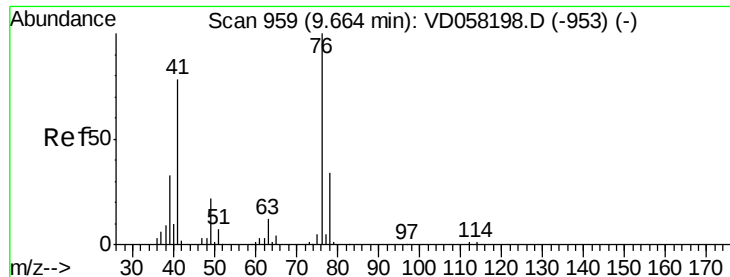


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.63 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

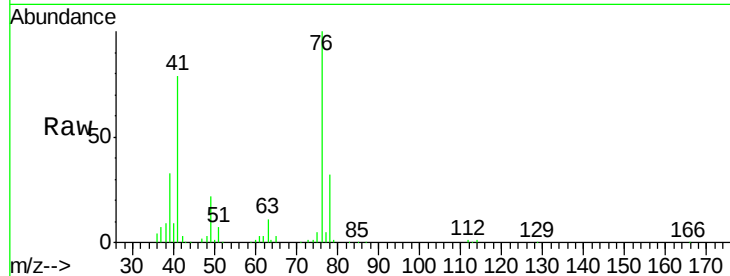
VSTDCCC050EC

Tot Ion: 76 Resp: 486649

Ion Ratio Lower Upper

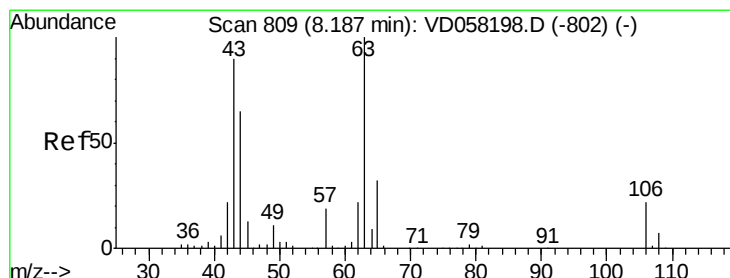
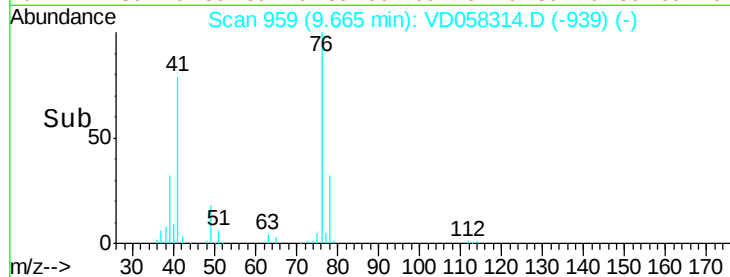
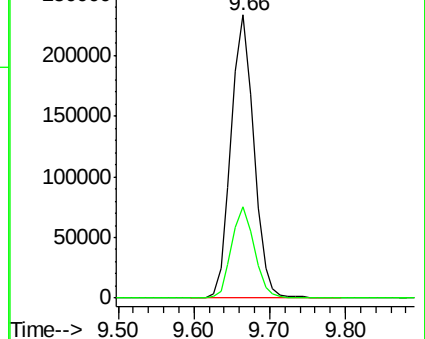
76 100

78 32.1 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 244.65 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058314.D

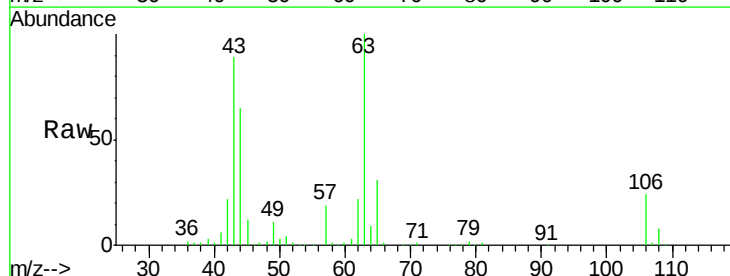
Acq: 22 Jun 2018 23:34

Tgt Ion: 63 Resp: 826491

Ion Ratio Lower Upper

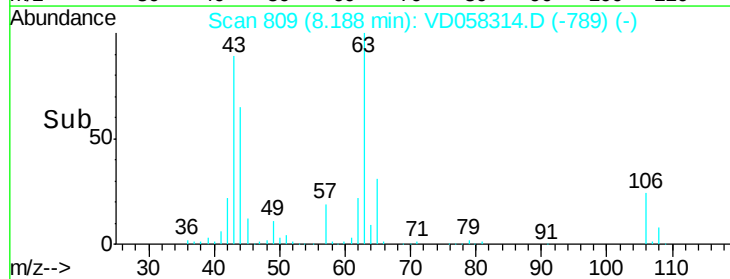
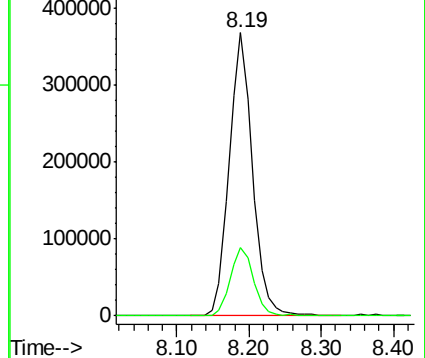
63 100

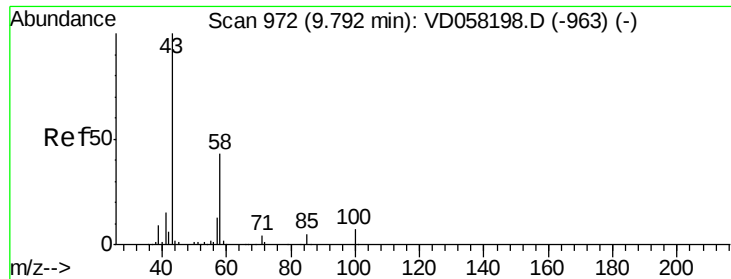
106 24.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

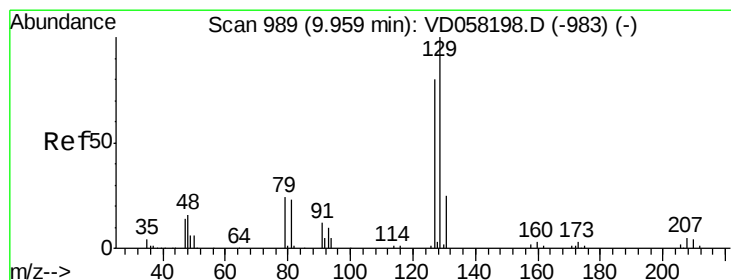
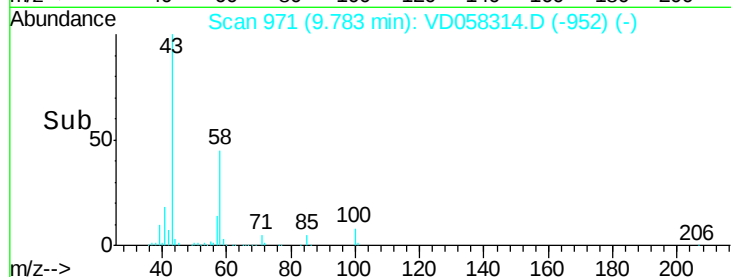
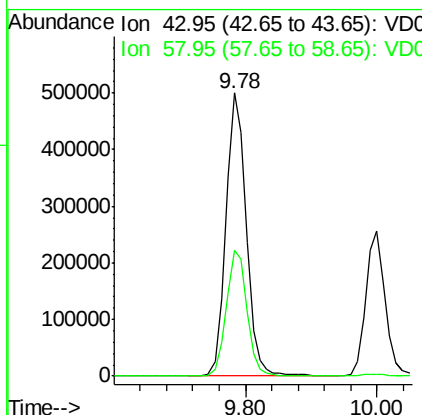
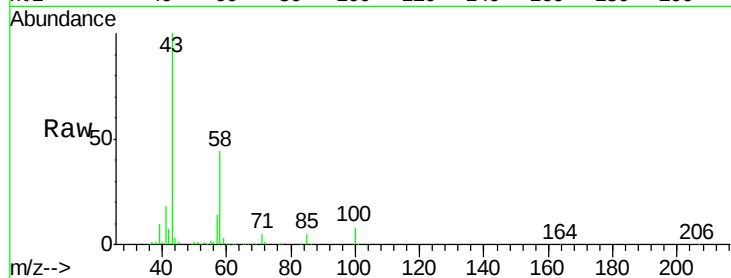




#59
2-Hexanone
Concen: 254.60 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

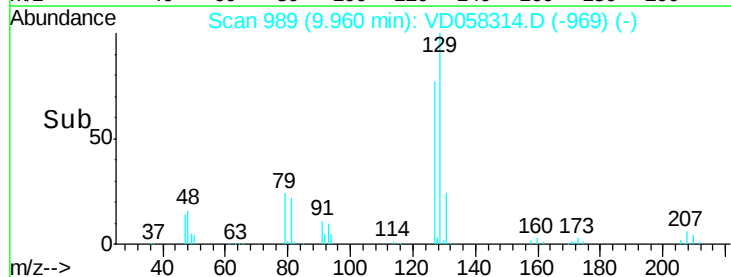
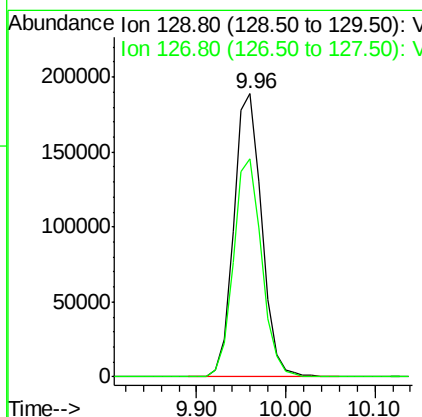
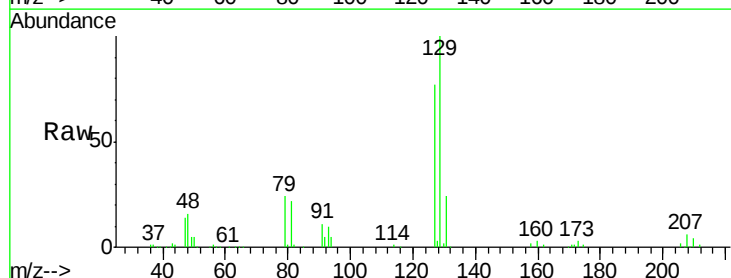
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1083803
Ion Ratio Lower Upper
43 100
58 44.3 21.7 65.1



#60
Dibromochloromethane
Concen: 53.47 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion: 129 Resp: 414018
Ion Ratio Lower Upper
129 100
127 77.2 39.8 119.4





#61

1,2-Dibromoethane

Concen: 54.38 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

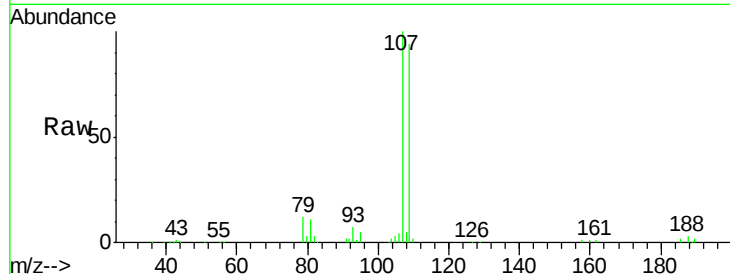
VSTDCCC050EC

Tot Ion:107 Resp: 339618

Ion Ratio Lower Upper

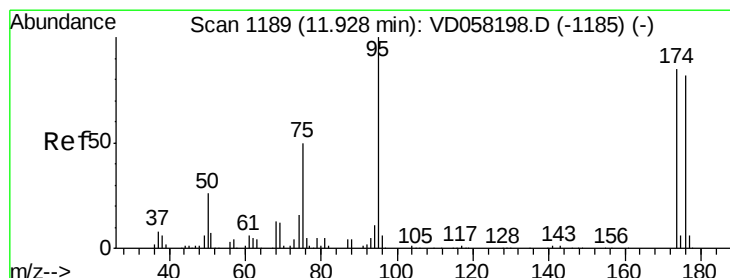
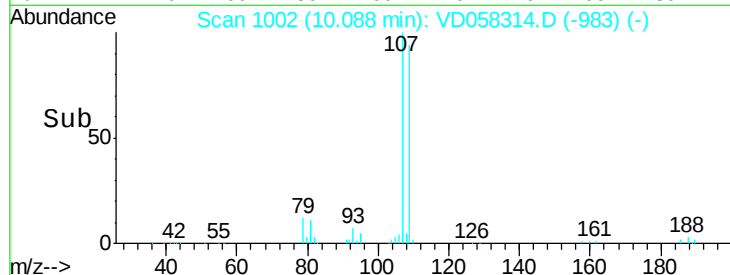
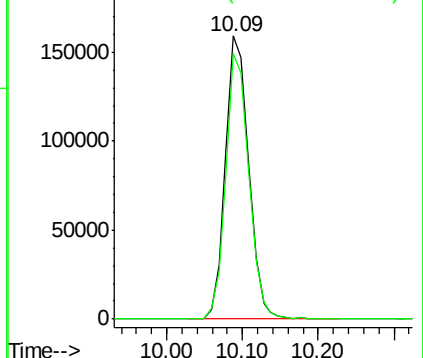
107 100

109 93.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.38 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

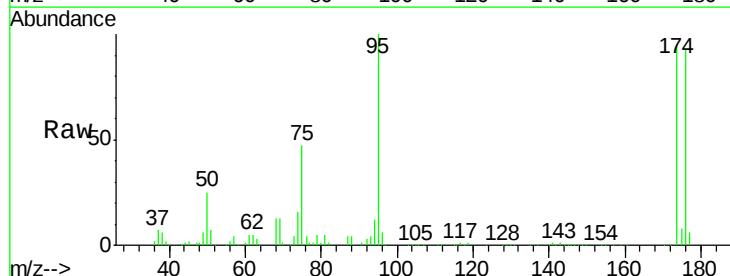
Tgt Ion: 95 Resp: 538562

Ion Ratio Lower Upper

95 100

174 95.4 0.0 170.2

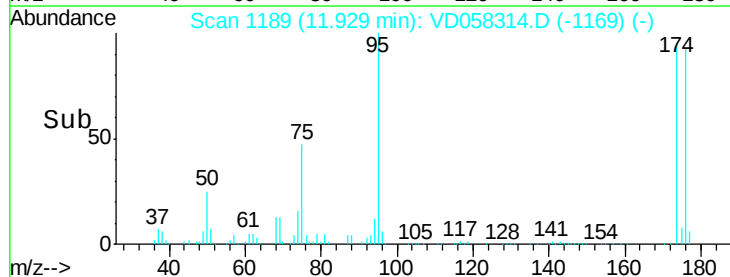
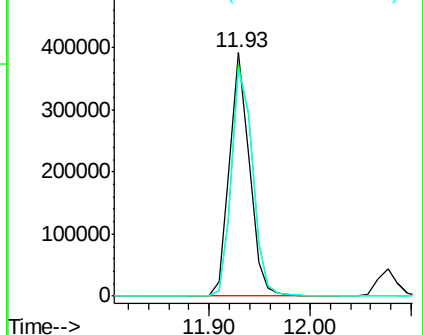
176 93.5 0.0 164.6

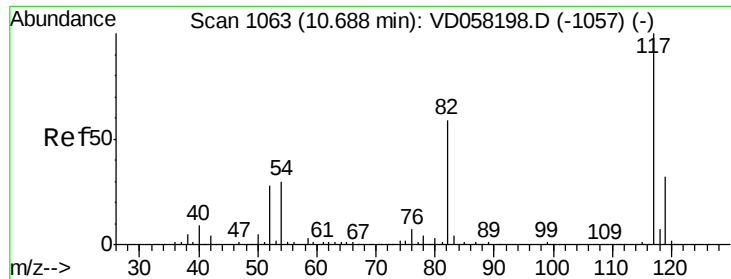


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

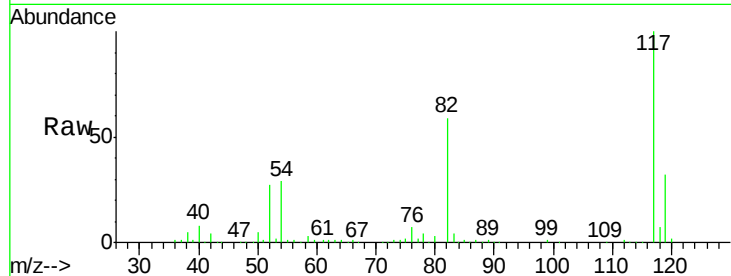




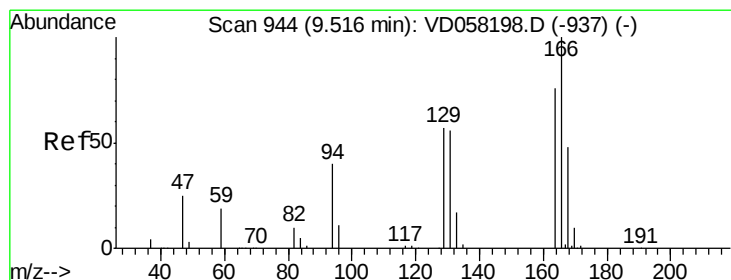
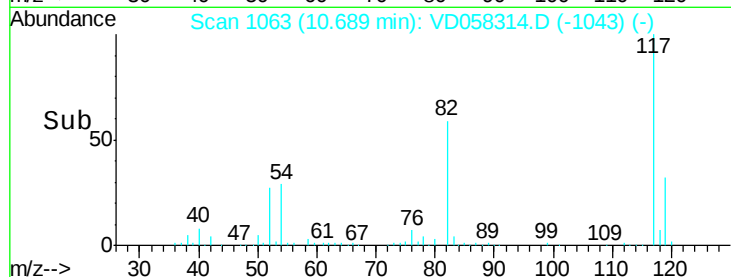
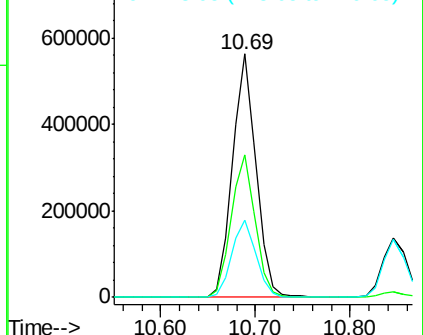
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 974972
Ion Ratio Lower Upper
117 100
82 58.8 47.0 70.6
119 31.5 25.3 37.9

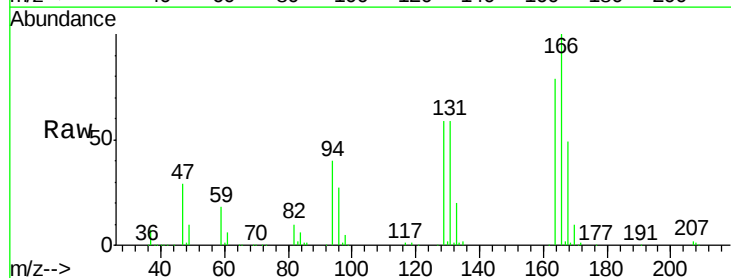


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

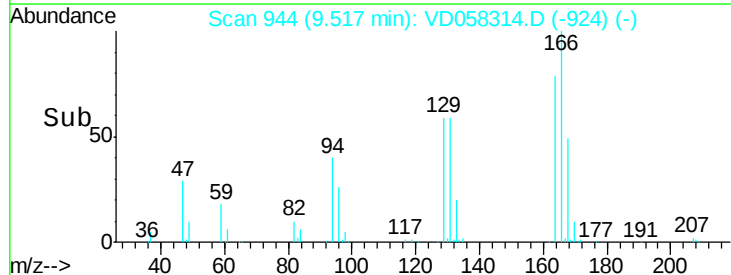
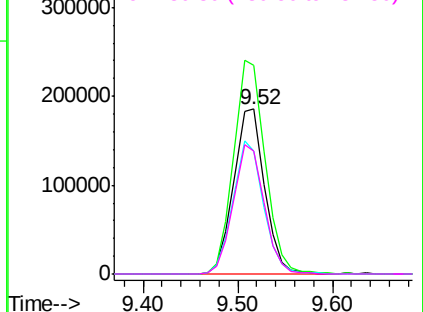


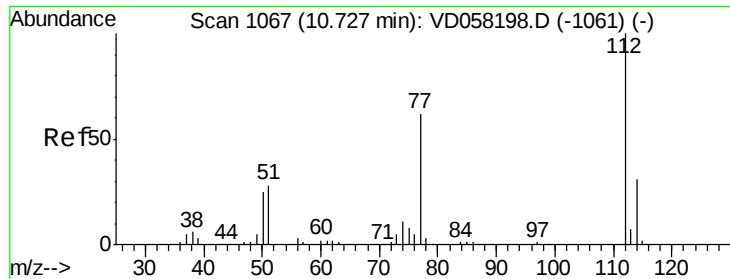
#64
Tetrachloroethene
Concen: 51.55 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion:164 Resp: 422856
Ion Ratio Lower Upper
164 100
166 126.5 105.4 158.0
129 74.6 59.6 89.4
131 74.4 59.4 89.2



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

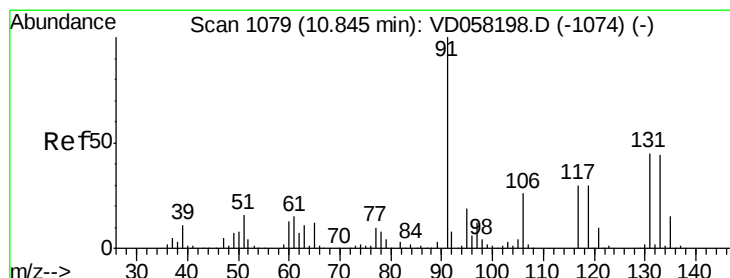
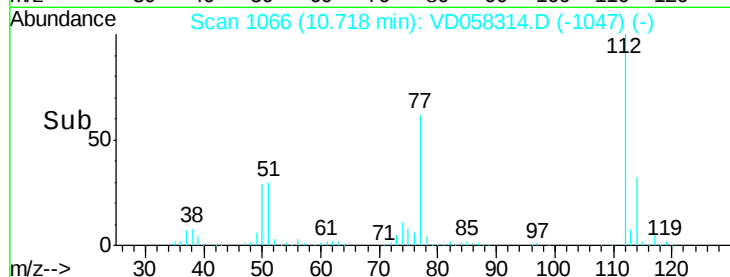
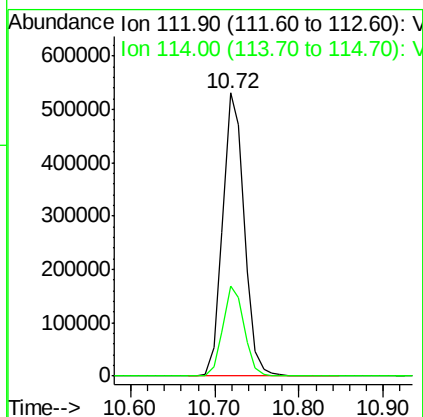
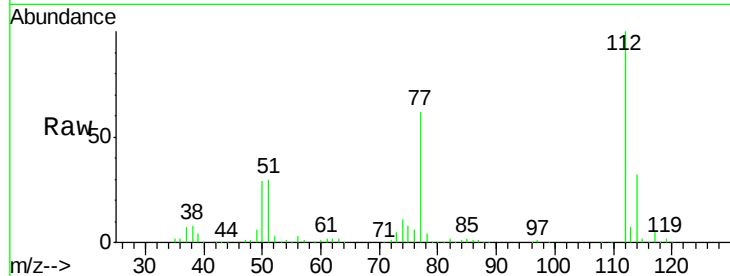




#65
Chlorobenzene
Concen: 51.74 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

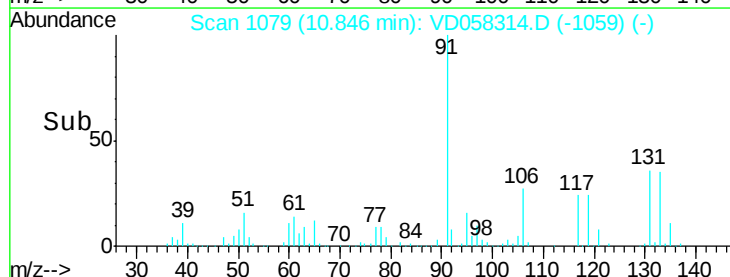
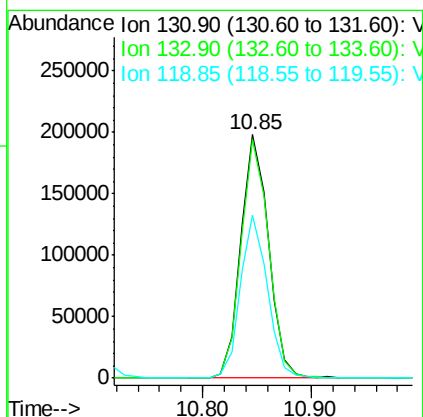
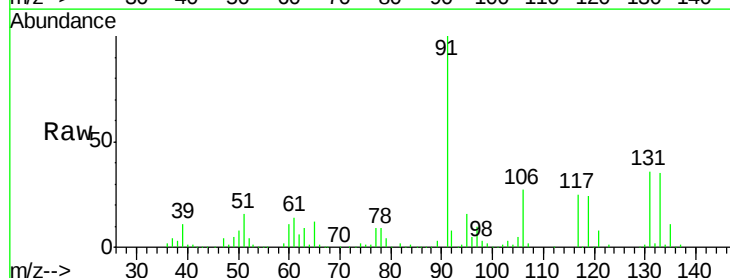
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 943643
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.21 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion:131 Resp: 353343
Ion Ratio Lower Upper
131 100
133 97.7 48.6 145.9
119 67.1 33.0 99.0

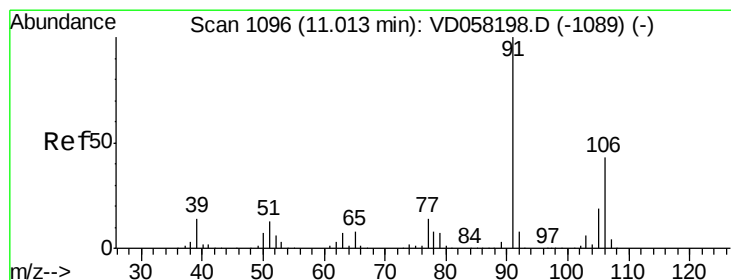
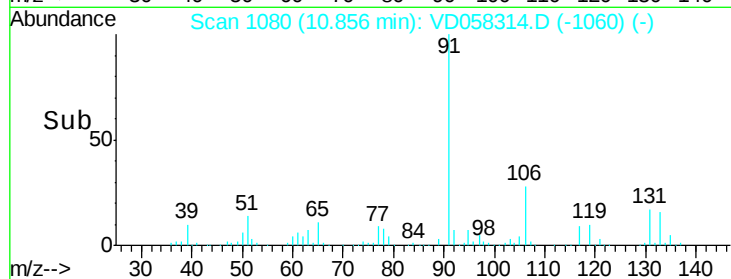
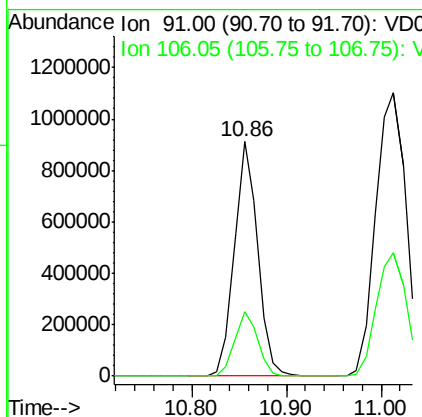
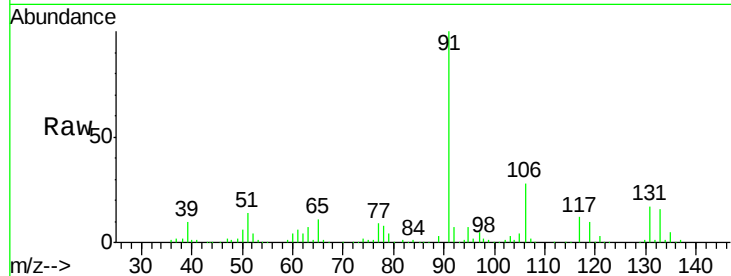




#67
Ethyl Benzene
Concen: 48.38 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

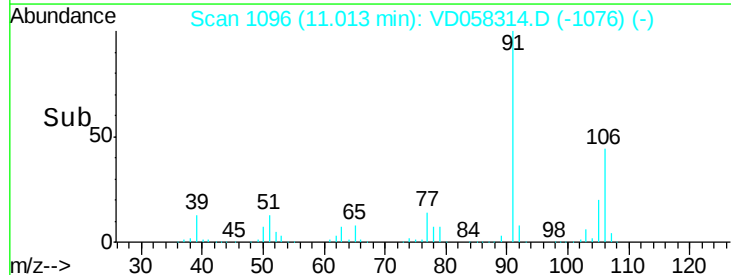
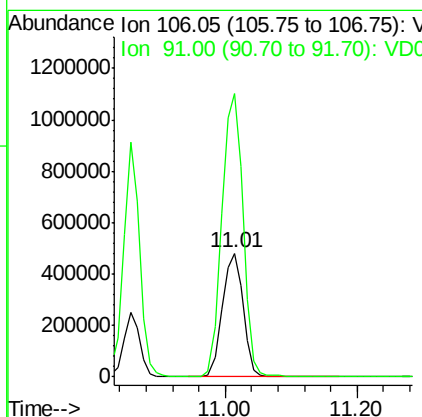
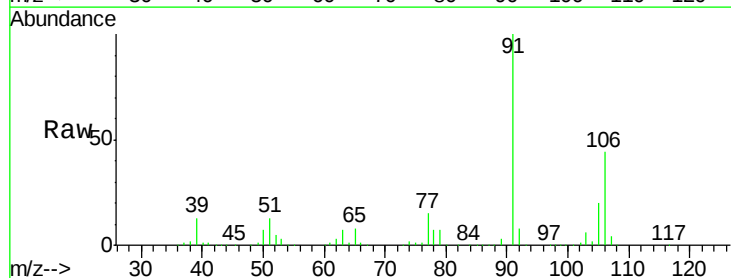
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

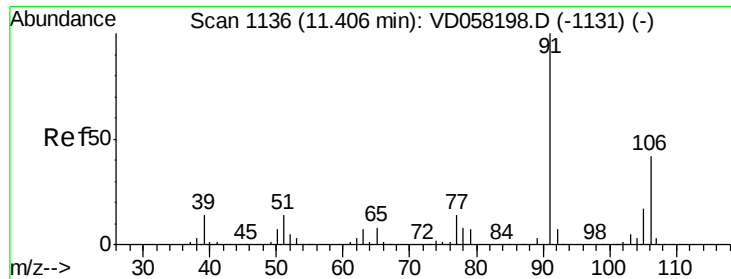
Tot Ion: 91 Resp: 1557654
Ion Ratio Lower Upper
91 100
106 27.7 22.0 33.0



#68
m/p-Xylenes
Concen: 98.44 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion: 106 Resp: 1056941
Ion Ratio Lower Upper
106 100
91 229.3 185.0 277.6

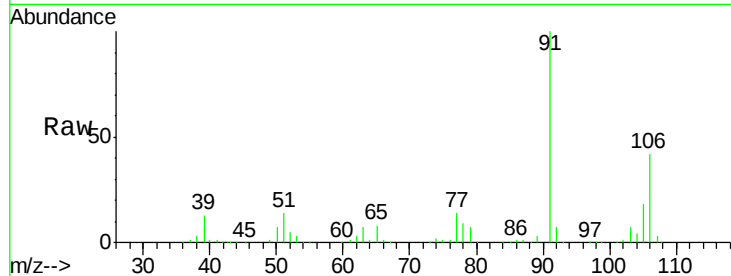




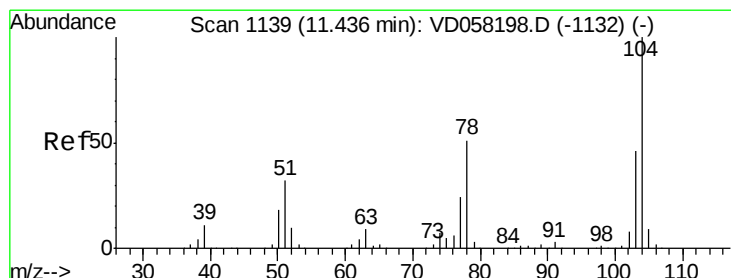
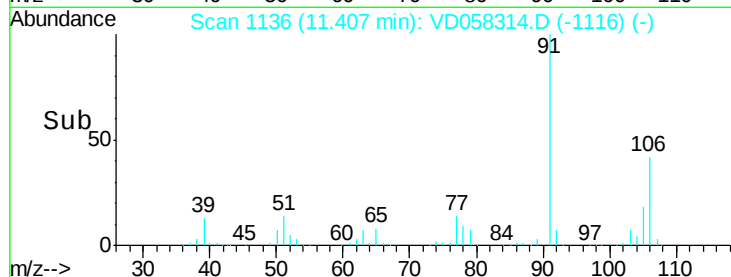
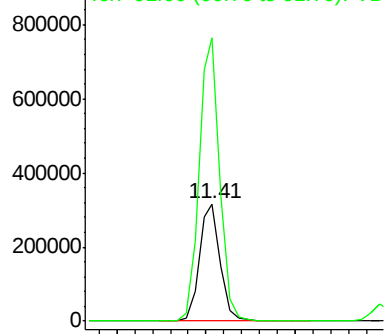
#69
o-Xylene
Concen: 50.69 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 519779
Ion Ratio Lower Upper
106 100
91 241.0 120.2 360.6

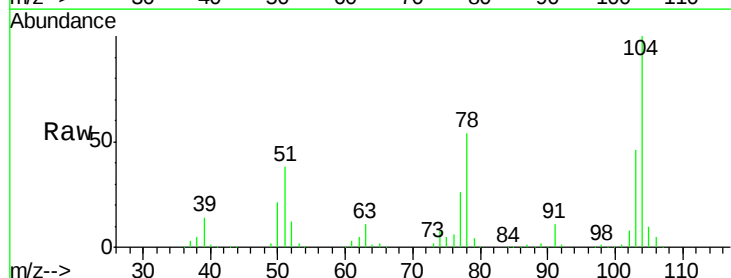


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

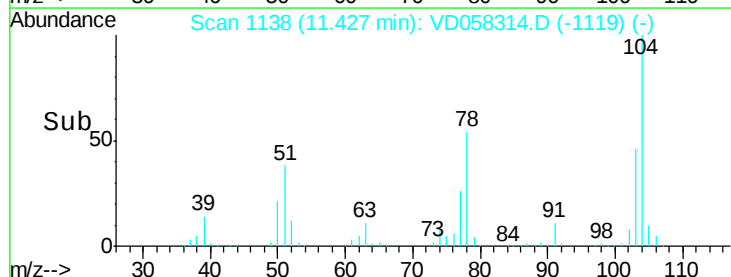
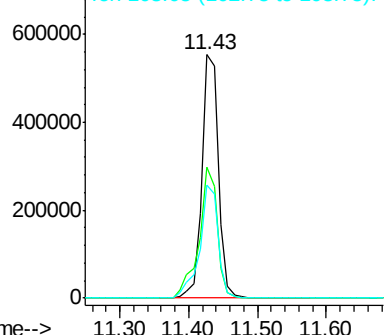


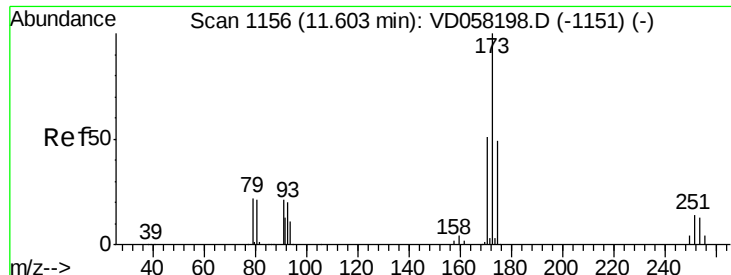
#70
Styrene
Concen: 52.04 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion:104 Resp: 910697
Ion Ratio Lower Upper
104 100
78 54.0 40.8 61.2
103 46.3 37.0 55.6



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





#71

Bromoform

Concen: 54.24 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

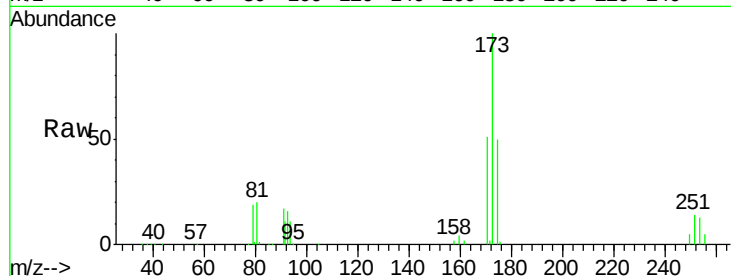
Tot Ion:173 Resp: 304529

Ion Ratio Lower Upper

173 100

175 50.0 24.6 74.0

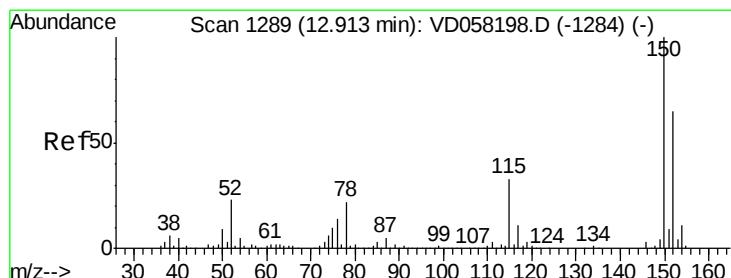
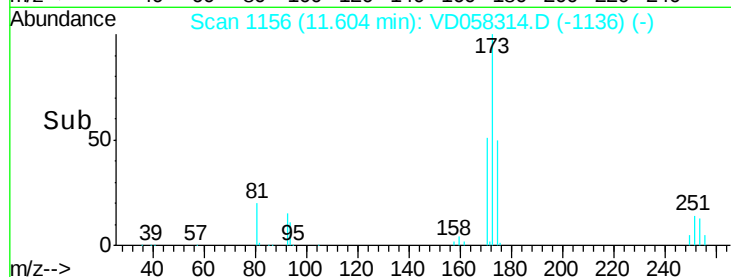
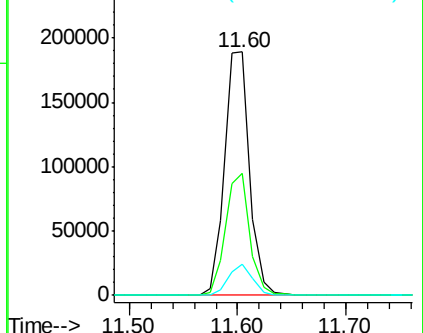
254 13.0 10.3 15.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

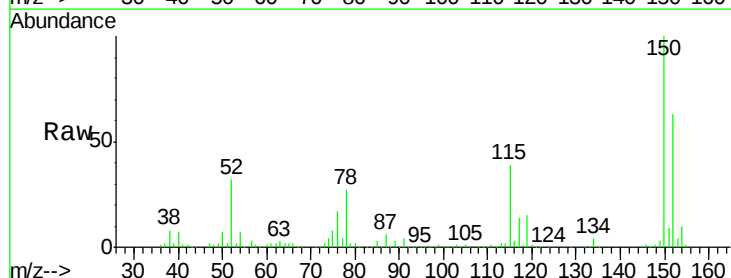
Tgt Ion:152 Resp: 492971

Ion Ratio Lower Upper

152 100

115 61.1 25.1 75.3

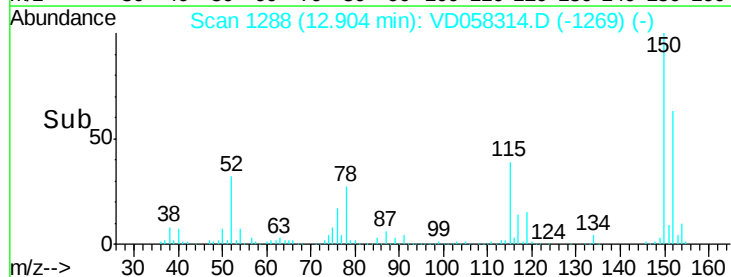
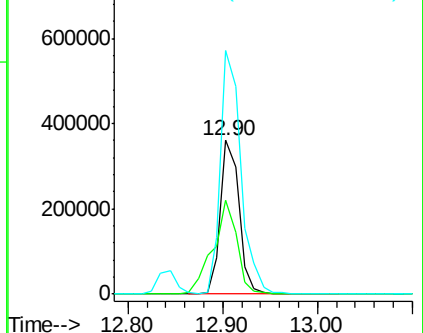
150 158.4 0.0 308.8

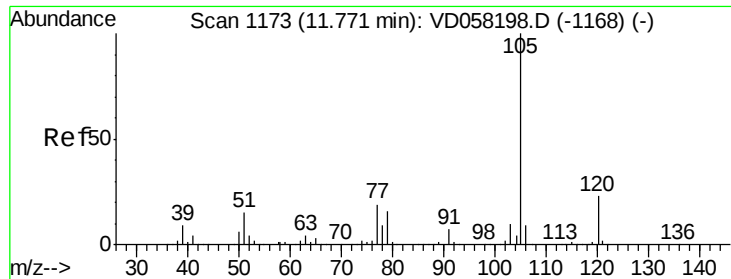


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.96 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

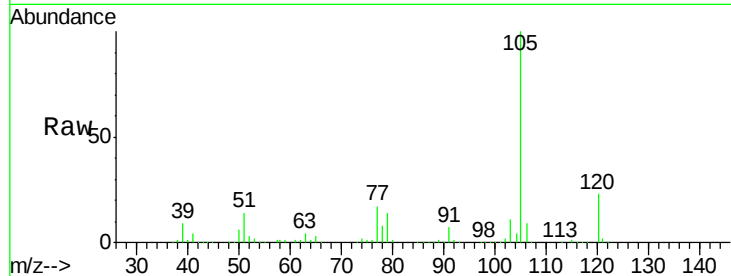
VSTDCCC050EC

Tot Ion:105 Resp: 1502737

Ion Ratio Lower Upper

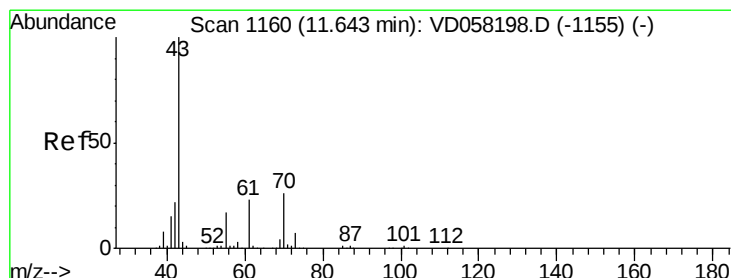
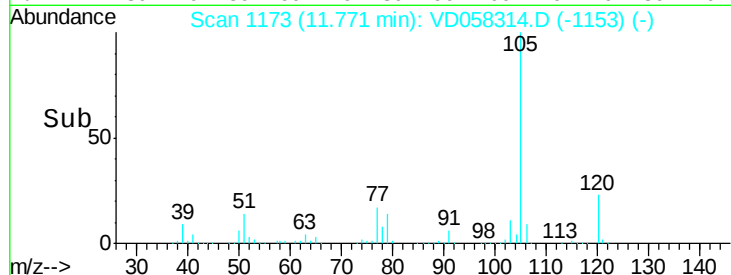
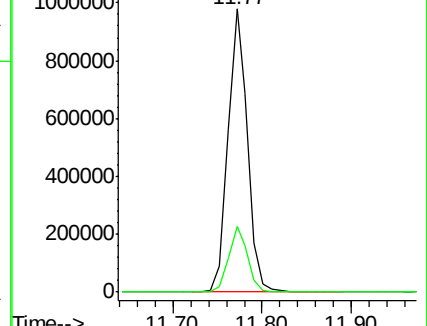
105 100

120 23.3 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.61 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Tgt Ion: 43 Resp: 599819

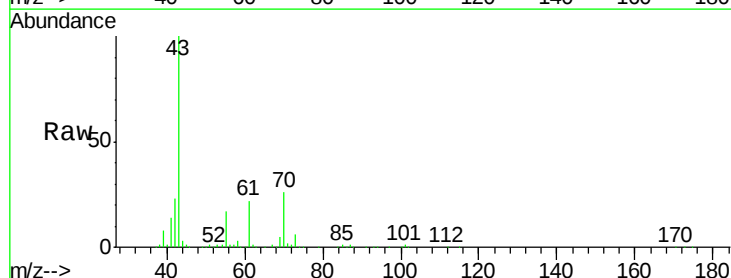
Ion Ratio Lower Upper

43 100

70 26.5 20.9 31.3

55 17.3 13.5 20.3

61 21.8 18.2 27.2

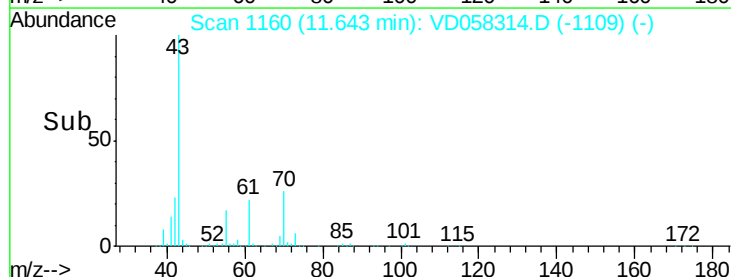
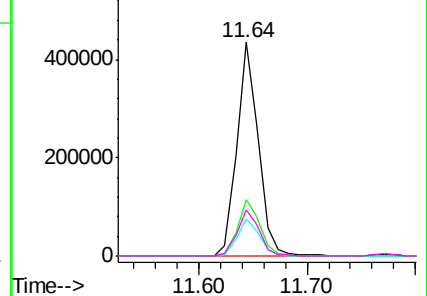


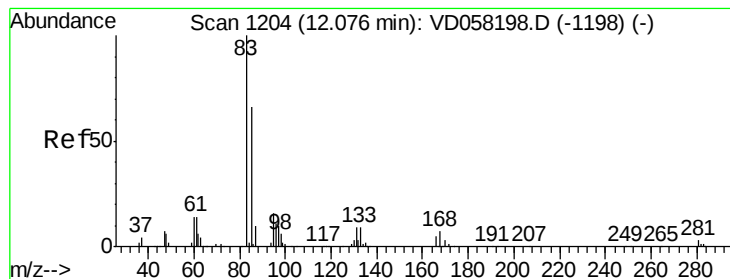
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.83 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

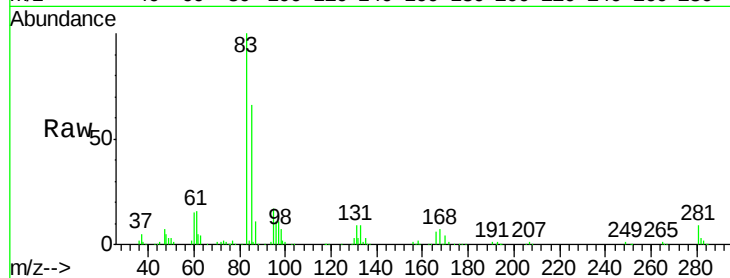
Tot Ion: 83 Resp: 362521

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.8	14.3
85	65.7	33.1	99.5

83 100

131 8.5 4.8 14.3

85 65.7 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

300000

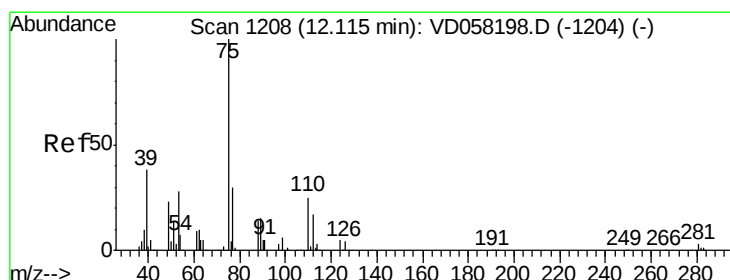
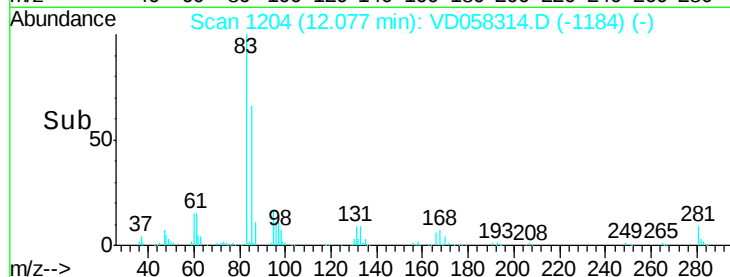
200000

100000

0

12.08

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.45 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058314.D

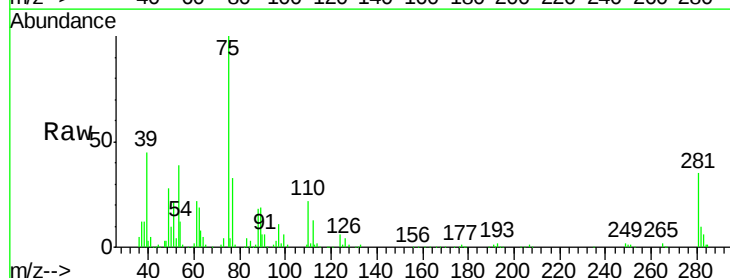
Acq: 22 Jun 2018 23:34

Tgt Ion: 75 Resp: 363080

Ion	Ratio	Lower	Upper
75	100		
77	32.6	16.0	47.9

75 100

77 32.6 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

500000

400000

300000

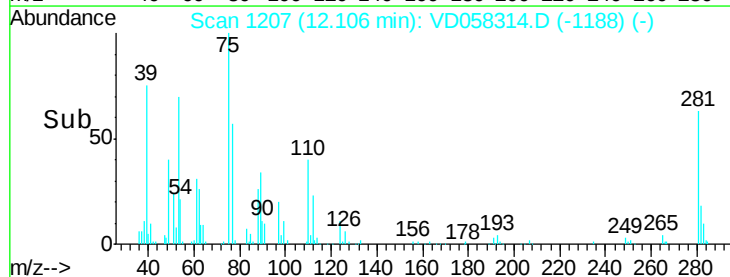
200000

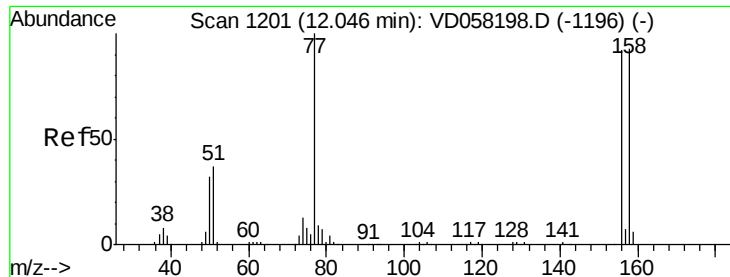
100000

0

12.11

Time-->





#77

Bromobenzene

Concen: 52.61 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

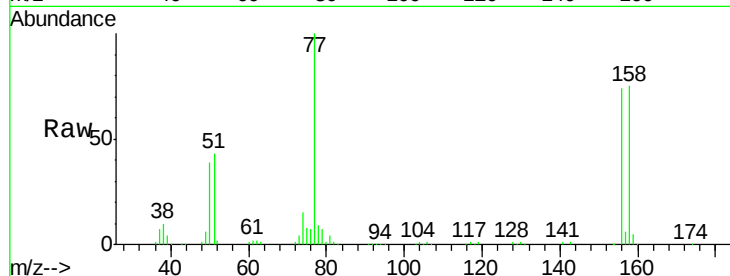
Tot Ion:156 Resp: 464559

Ion Ratio Lower Upper

156 100

77 134.6 54.5 163.6

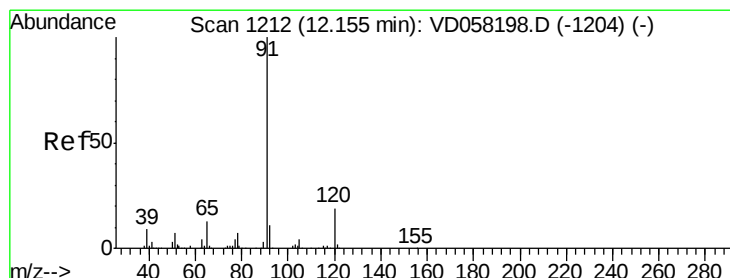
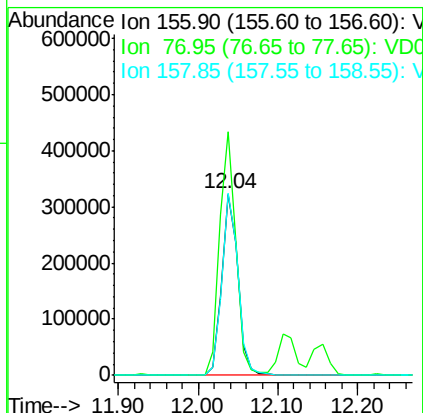
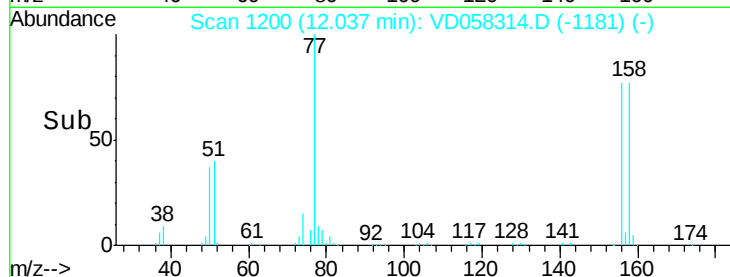
158 101.0 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.09 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058314.D

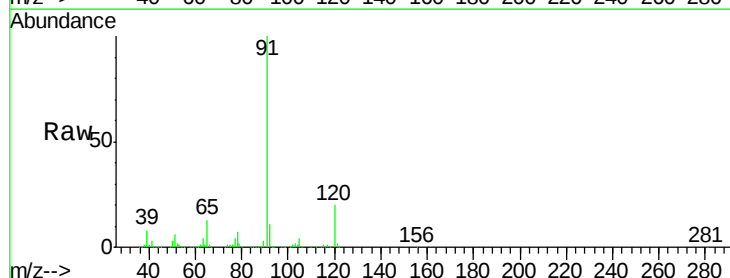
Acq: 22 Jun 2018 23:34

Tgt Ion: 91 Resp: 1907455

Ion Ratio Lower Upper

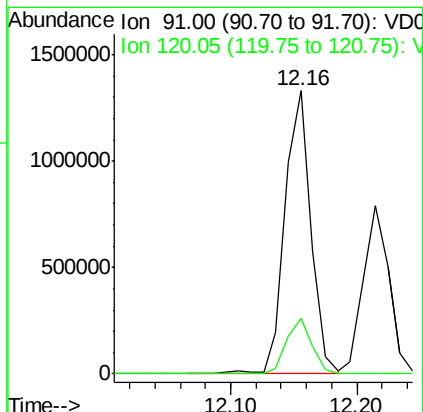
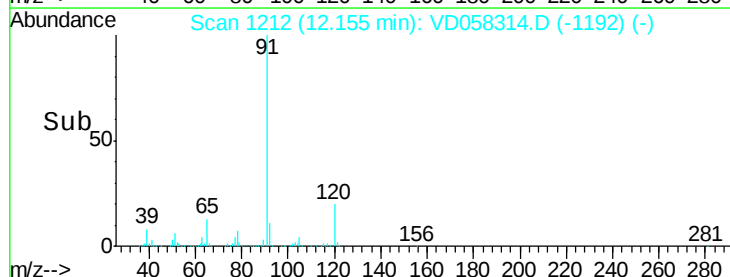
91 100

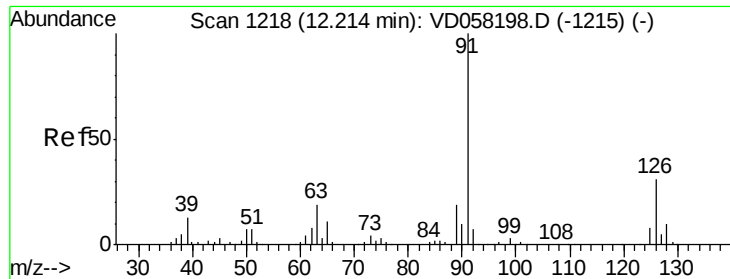
120 19.6 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

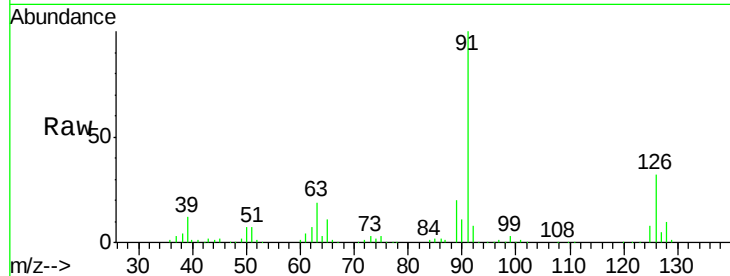




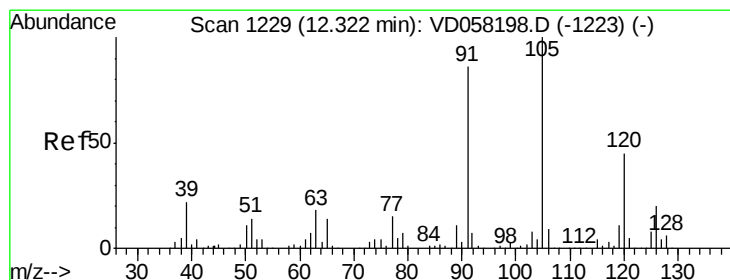
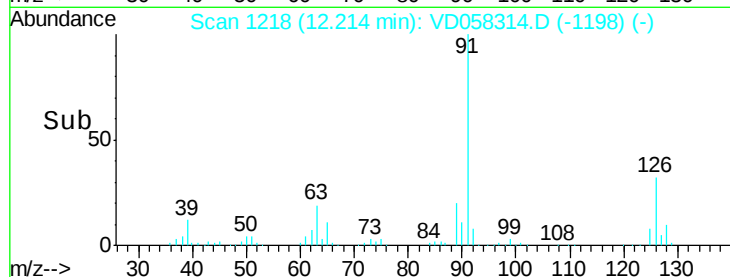
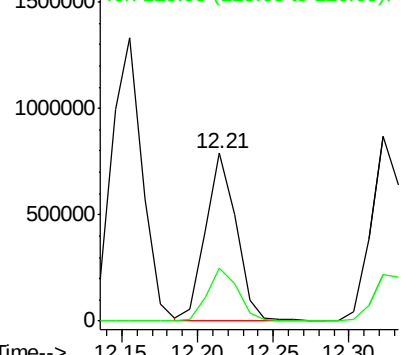
#79
 2-Chlorotoluene
 Concen: 51.01 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1111473
 Ion Ratio Lower Upper
 91 100
 126 31.6 14.9 44.5

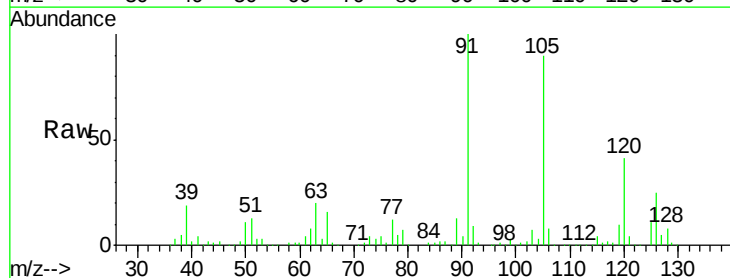


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

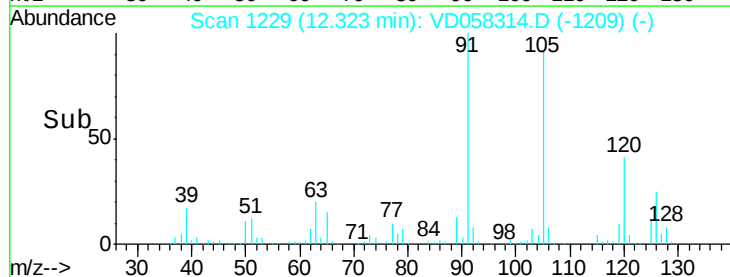
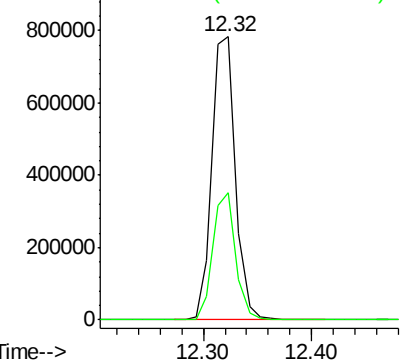


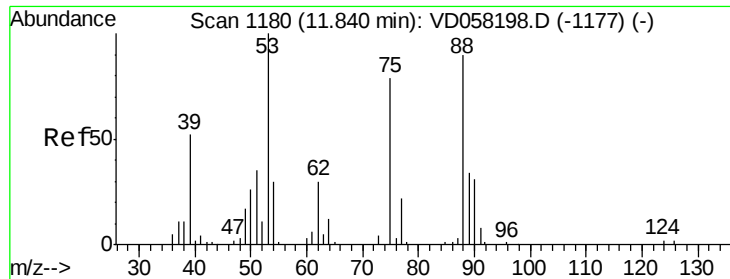
#80
 1,3,5-Trimethylbenzene
 Concen: 51.48 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion: 105 Resp: 1183907
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.5 67.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 52.06 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

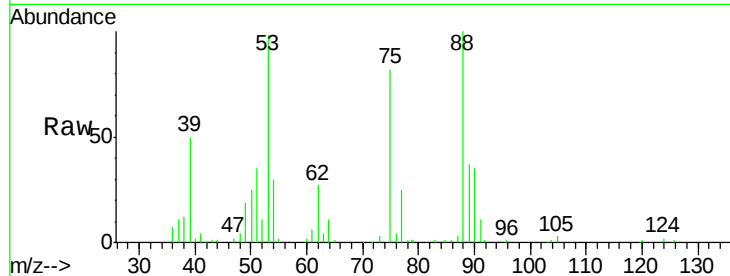
Tot Ion: 75 Resp: 91386

Ion Ratio Lower Upper

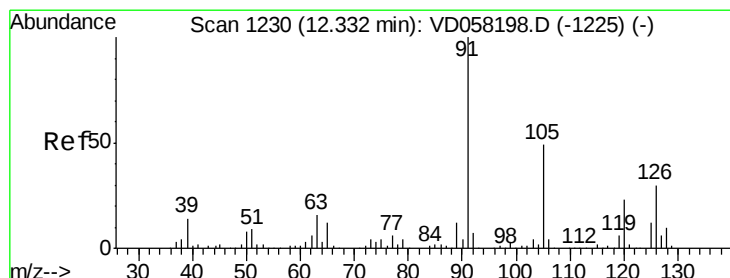
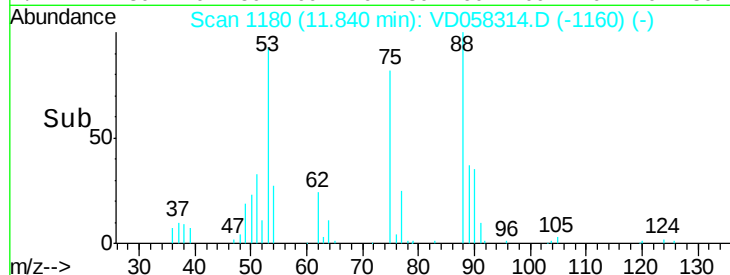
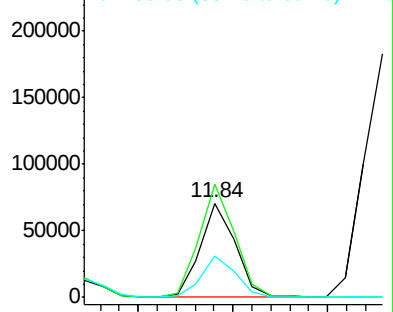
75 100

53 119.1 100.8 151.2

89 44.3 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 59.53 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058314.D

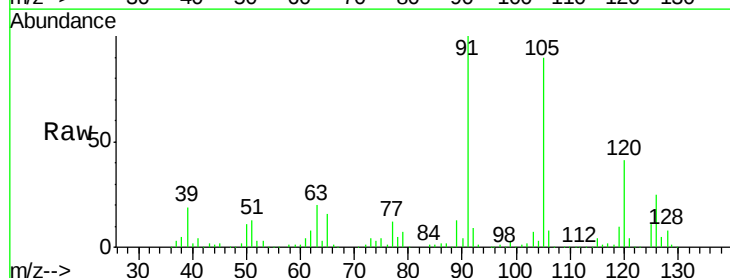
Acq: 22 Jun 2018 23:34

Tgt Ion: 91 Resp: 1242172

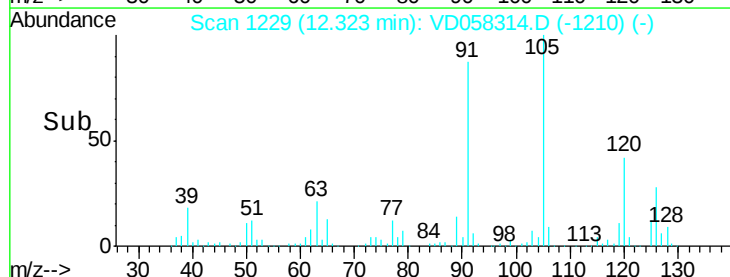
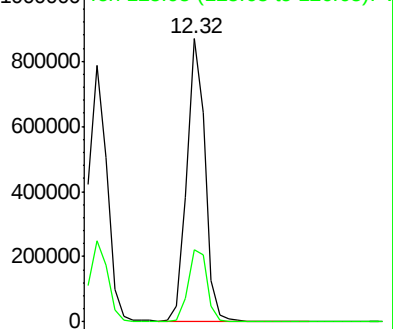
Ion Ratio Lower Upper

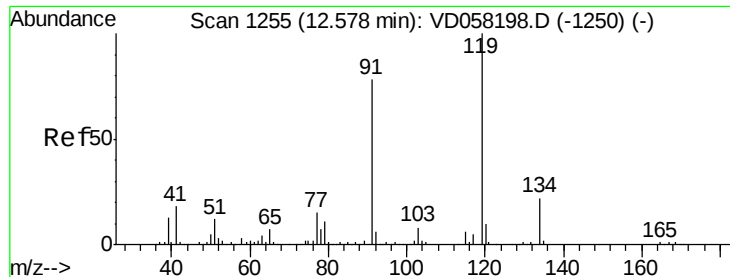
91 100

126 25.3 14.9 44.9



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

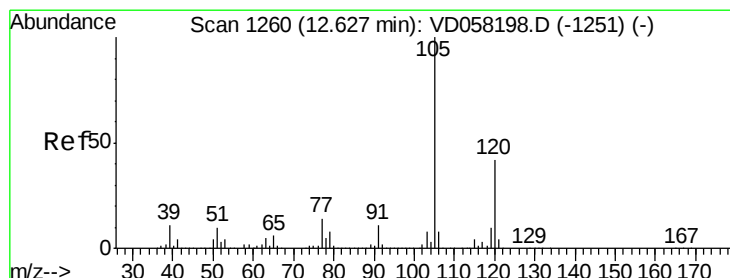
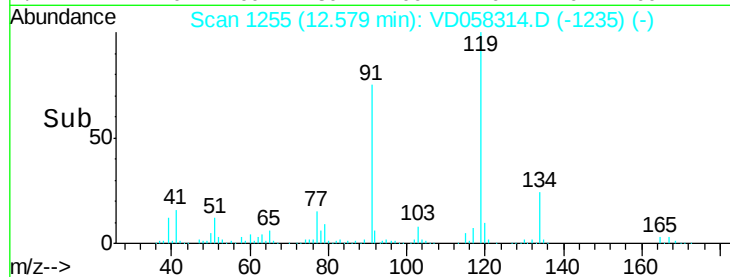
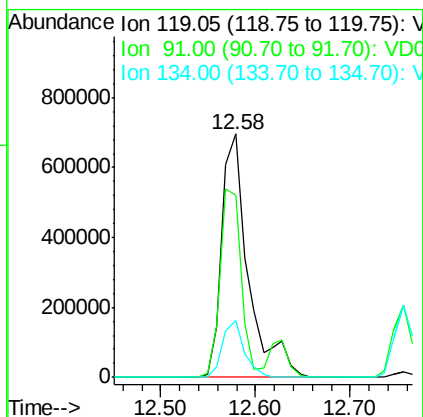
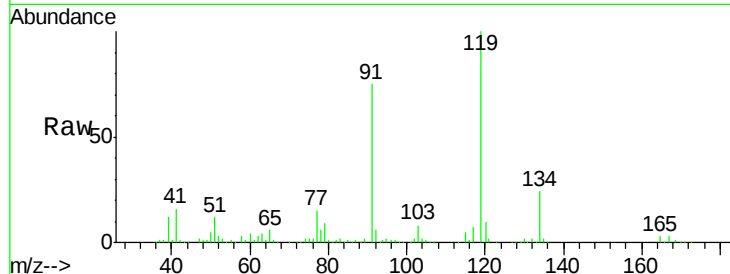




#83
 tert-Butylbenzene
 Concen: 51.22 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

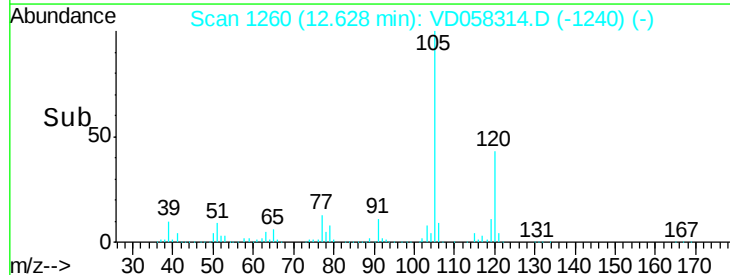
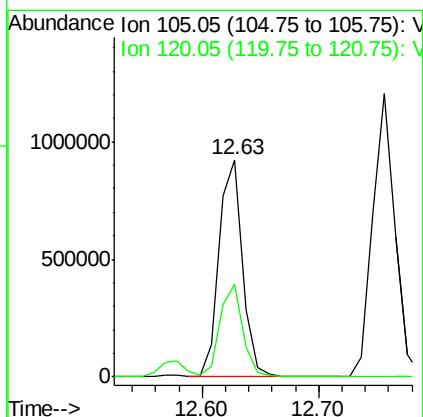
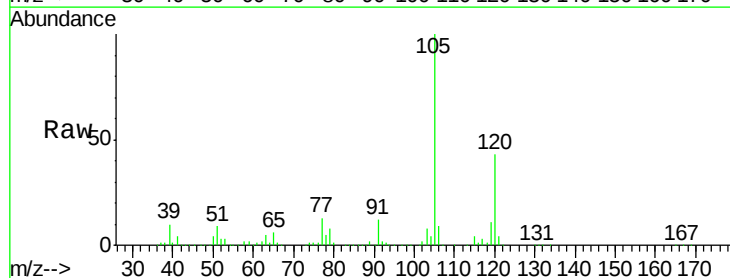
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

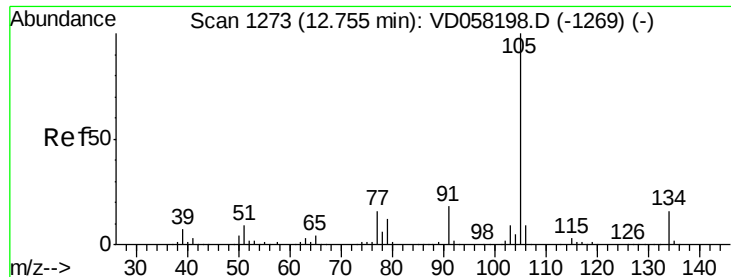
Tot Ion:119 Resp: 1354404
 Ion Ratio Lower Upper
 119 100
 91 75.0 38.9 116.6
 134 23.5 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.33 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion:105 Resp: 1283174
 Ion Ratio Lower Upper
 105 100
 120 42.8 20.8 62.4

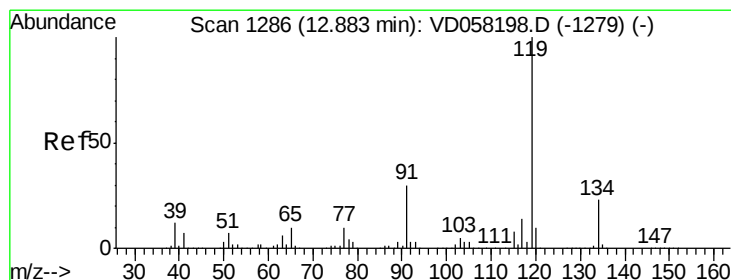
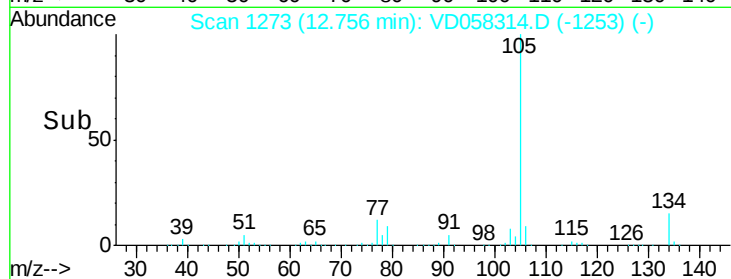
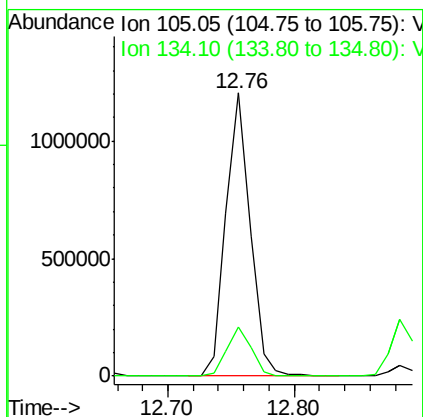
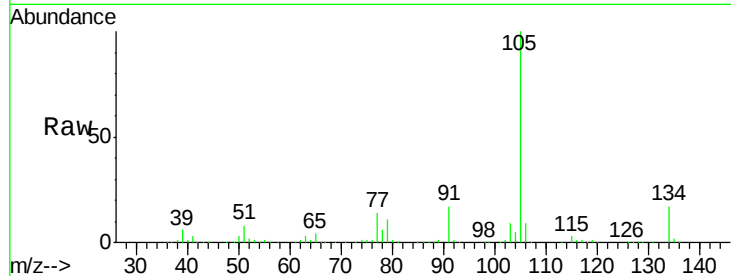




#85
 sec-Butylbenzene
 Concen: 51.63 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

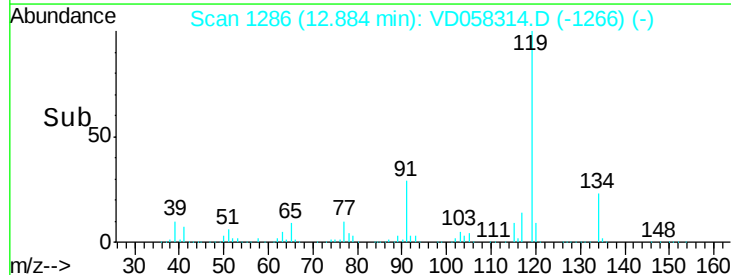
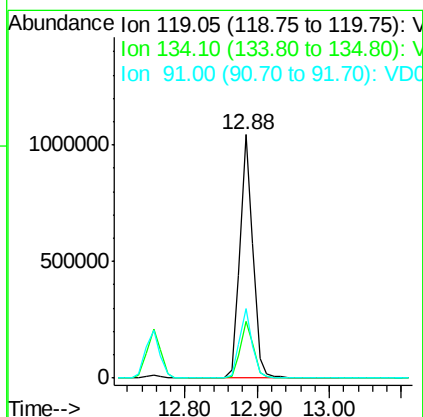
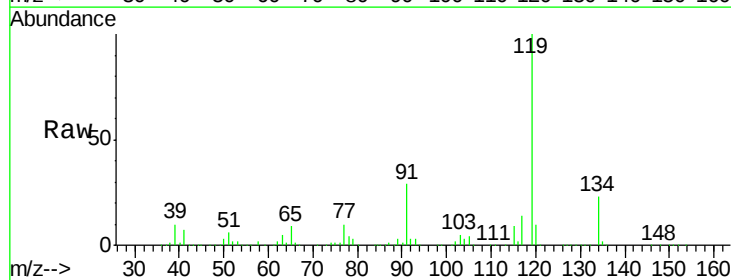
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

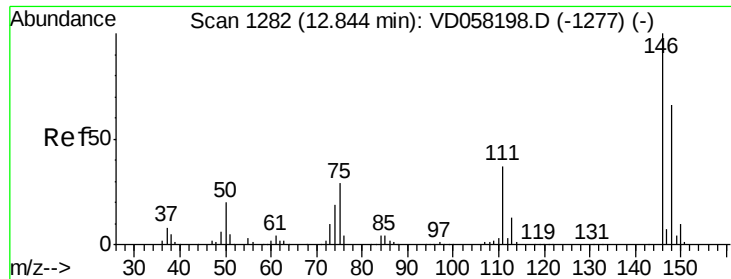
Tot Ion:105 Resp: 1600238
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 52.26 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion:119 Resp: 1312511
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.6 34.8
 91 28.8 15.0 45.1

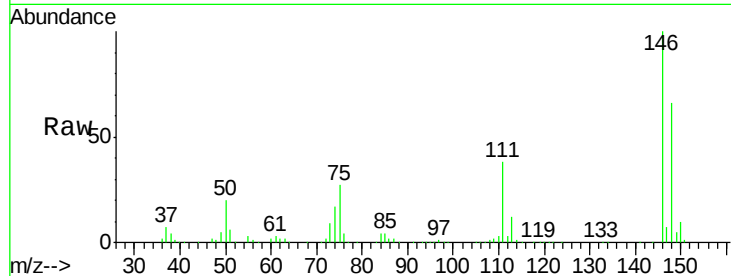




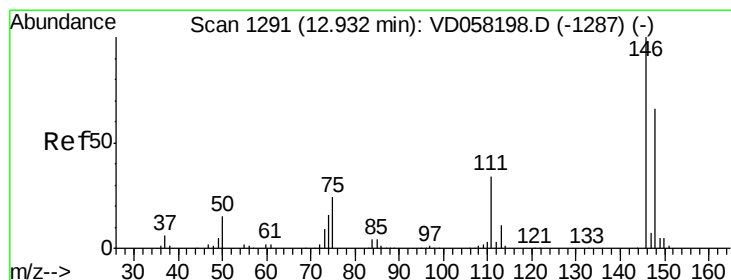
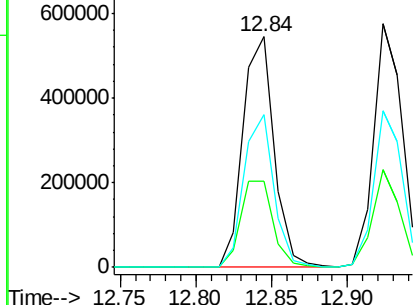
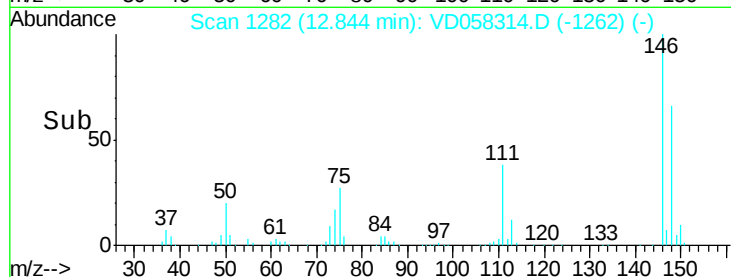
#87
 1,3-Dichlorobenzene
 Concen: 50.90 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 781218
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.4 55.0
 148 66.3 32.8 98.4

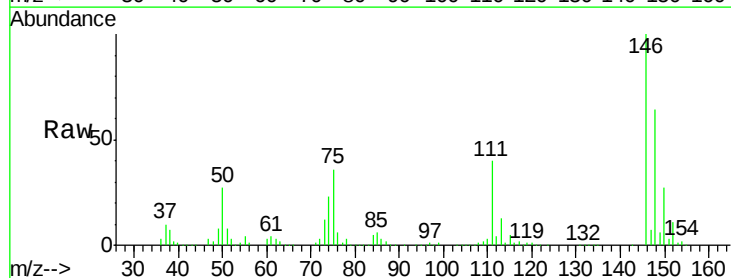


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

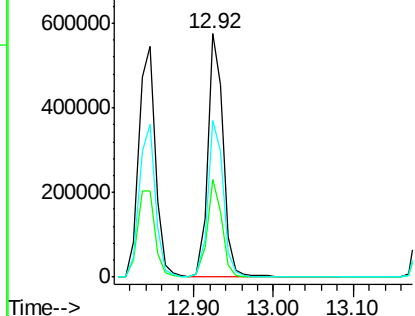
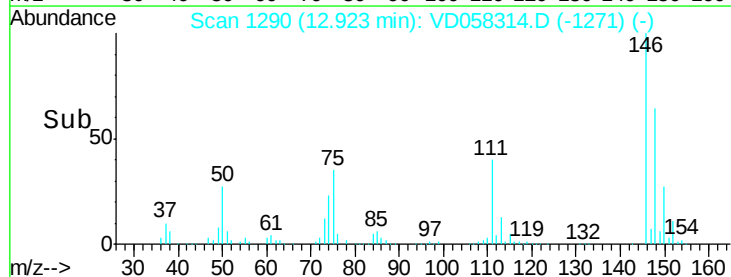


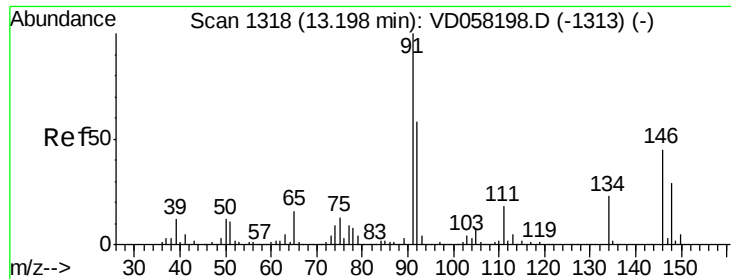
#88
 1,4-Dichlorobenzene
 Concen: 51.45 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion:146 Resp: 771070
 Ion Ratio Lower Upper
 146 100
 111 40.3 17.2 51.5
 148 64.2 33.1 99.3



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

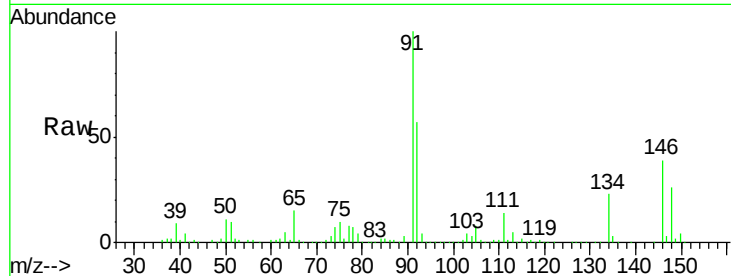




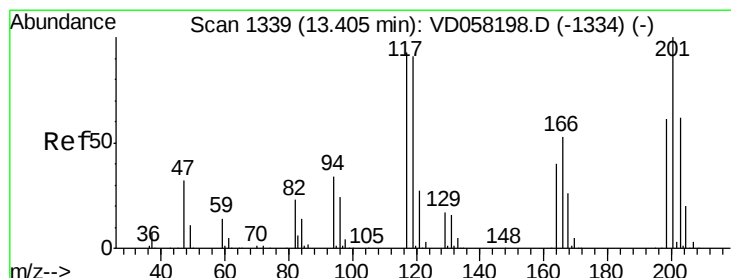
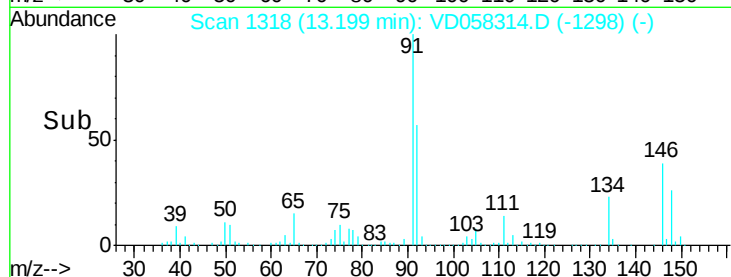
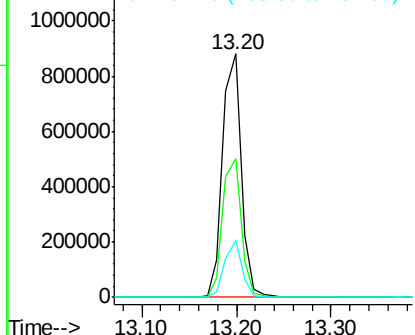
#89
n-Butylbenzene
Concen: 45.55 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1202298
Ion Ratio Lower Upper
91 100
92 57.2 29.2 87.6
134 23.2 11.3 33.8

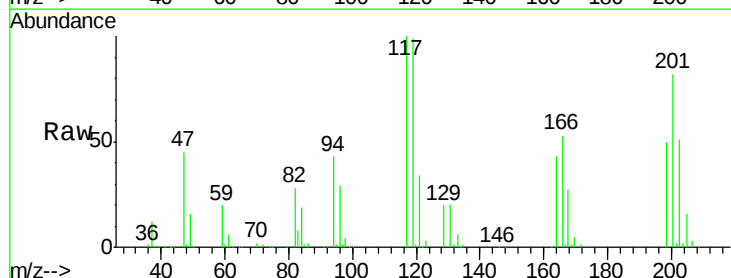


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

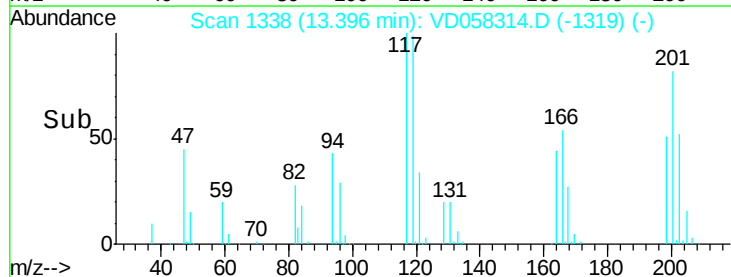
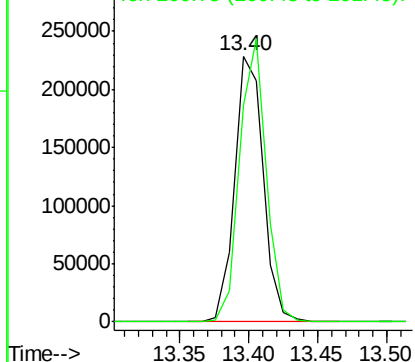


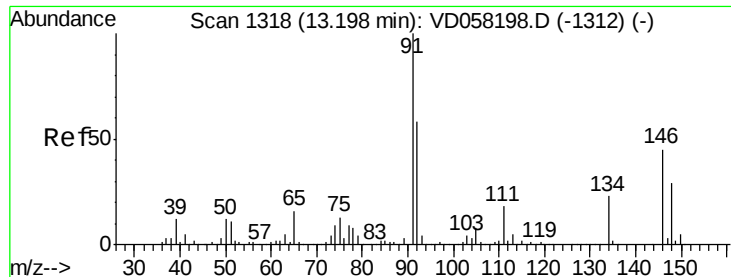
#90
Hexachloroethane
Concen: 50.61 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Tgt Ion: 117 Resp: 329914
Ion Ratio Lower Upper
117 100
201 81.6 53.8 161.4



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

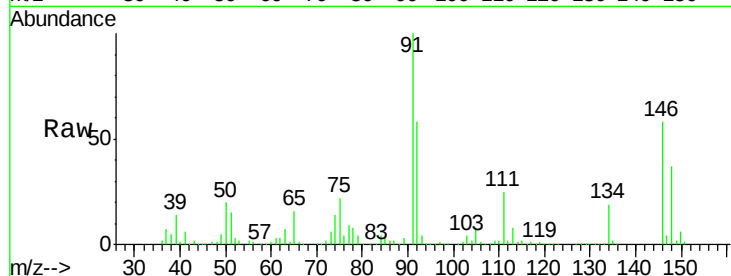




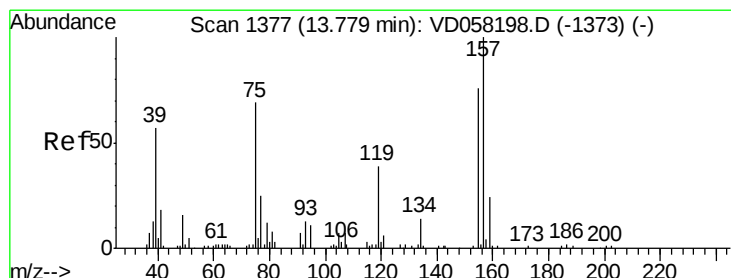
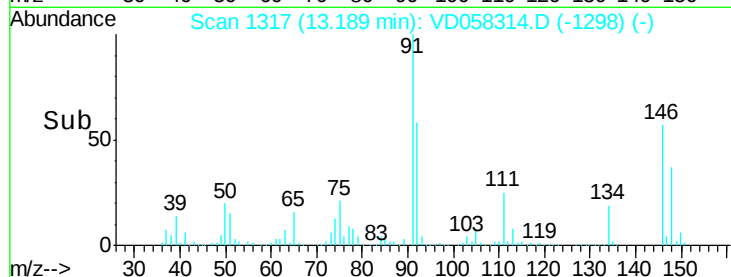
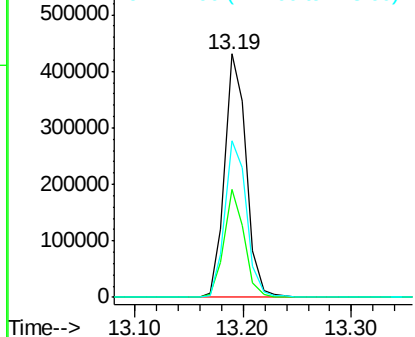
#91
 1,2-Dichlorobenzene
 Concen: 45.60 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 595532
 Ion Ratio Lower Upper
 146 100
 111 44.1 19.6 58.7
 148 64.2 32.0 96.2

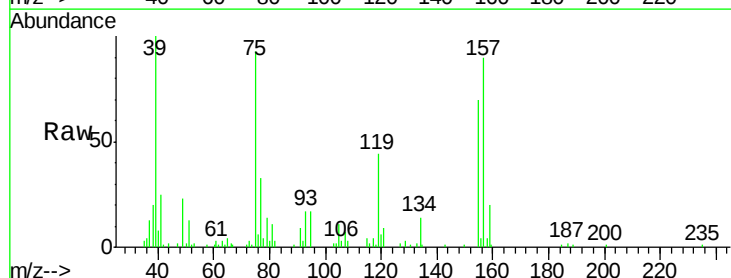


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

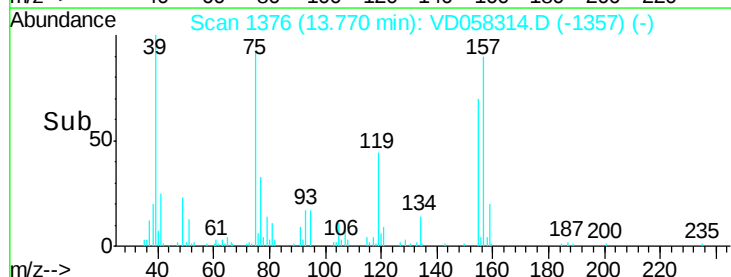
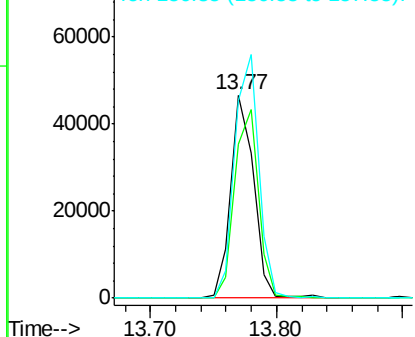


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.86 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion: 75 Resp: 58815
 Ion Ratio Lower Upper
 75 100
 155 76.0 54.5 163.5
 157 97.0 72.0 215.9



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

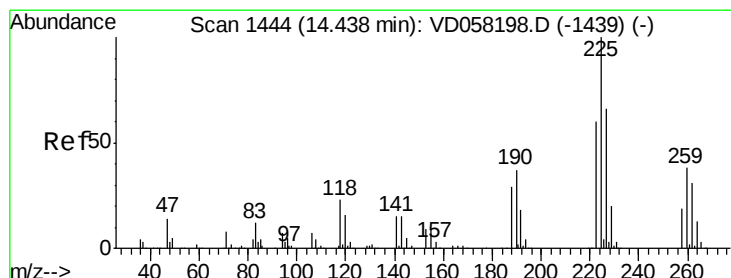
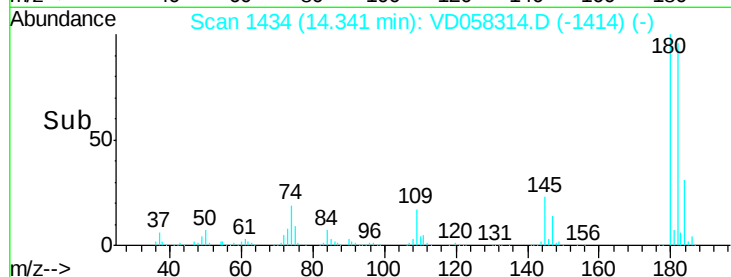
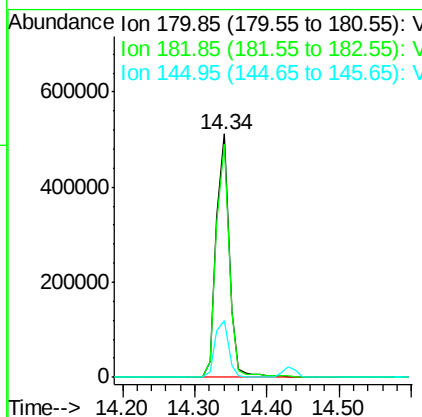
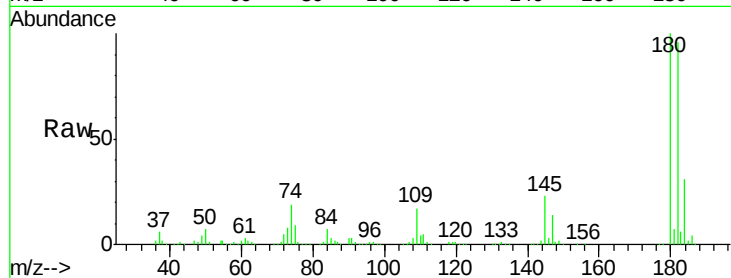




#93
 1,2,4-Trichlorobenzene
 Concen: 51.08 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

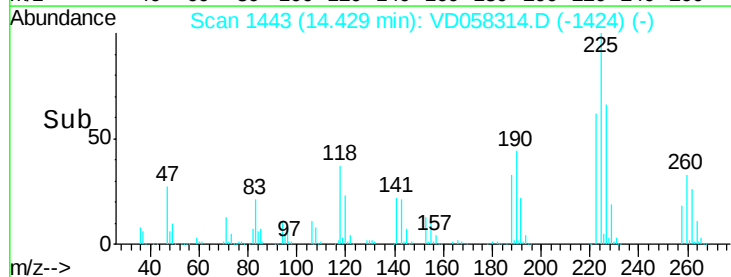
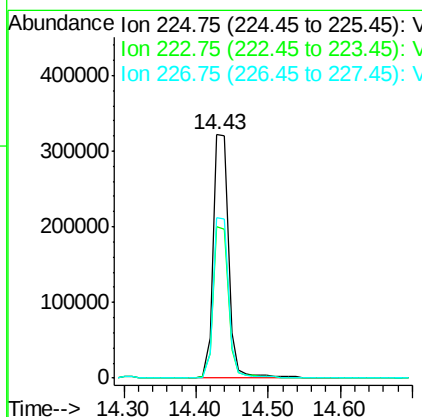
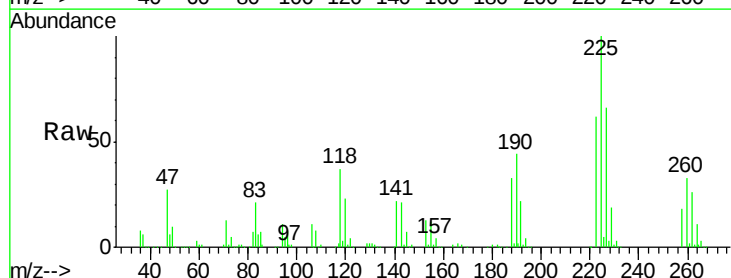
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

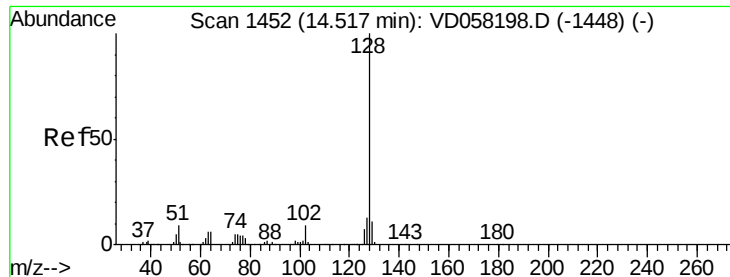
Tot Ion:180 Resp: 638053
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.1 141.3
 145 23.1 11.7 35.0



#94
 Hexachlorobutadiene
 Concen: 48.10 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Tgt Ion:225 Resp: 469921
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.1 90.3
 227 66.1 33.0 98.9





#95

Naphthalene

Concen: 50.56 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

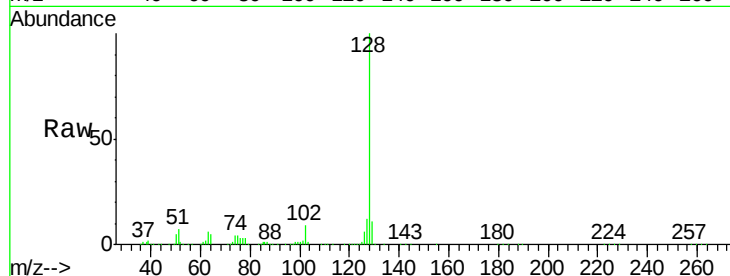
Tot Ion:128 Resp: 831973

Ion Ratio Lower Upper

128 100

127 12.1 10.0 15.0

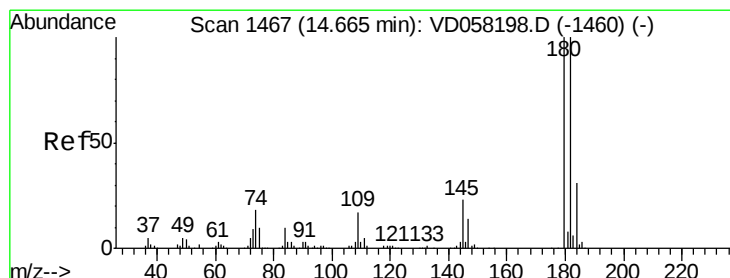
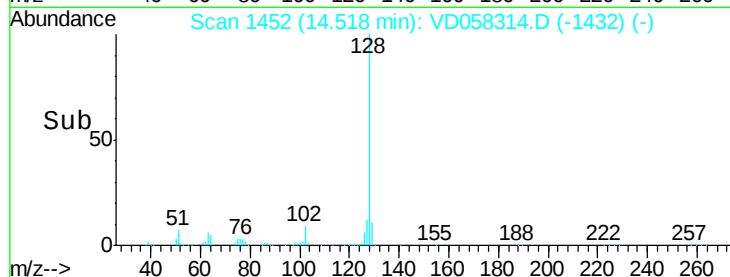
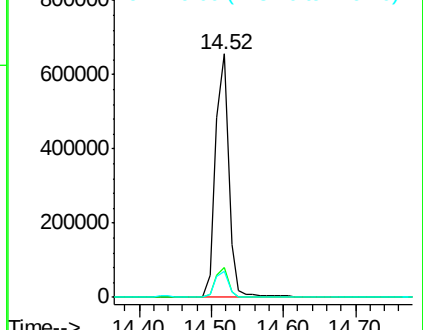
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.80 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

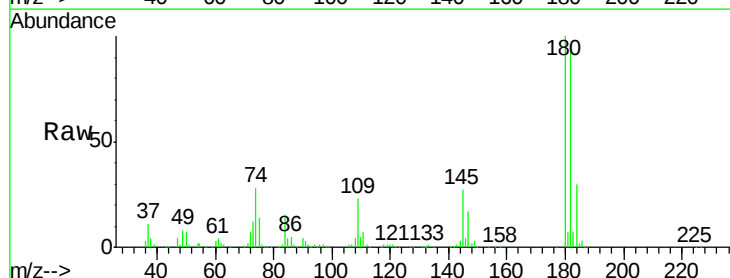
Tgt Ion:180 Resp: 544553

Ion Ratio Lower Upper

180 100

182 95.8 49.9 149.6

145 27.1 11.7 35.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

