

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058314.D
 Acq On : 22 Jun 2018 23:34
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/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			Recovery	=	119.78%	
35) Dibromofluoromethane	5.55	113	538895	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
50) Toluene-d8	8.71	98	1253443	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.93	95	538562	55.71	ug/l	0.00
Spiked Amount			Recovery	=	111.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	425957	51.572	ug/l	98
3) Chloromethane	1.48	50	193724	50.136	ug/l	96
4) Vinyl Chloride	1.55	62	233082	50.238	ug/l	97
5) Bromomethane	1.80	94	98015	67.194	ug/l	95
6) Chloroethane	1.88	64	100082	60.648	ug/l	100
7) Trichlorofluoromethane	2.08	101	343347	53.973	ug/l	96
8) Diethyl Ether	2.34	74	78631	58.439	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.55	101	212759	52.610	ug/l	94
10) Methyl Iodide	2.69	142	248889	54.106	ug/l	96
11) Tert butyl alcohol	3.26	59	88190	298.901	ug/l #	82
12) 1,1-Dichloroethene	2.55	96	159870	52.541	ug/l	90
13) Acrolein	2.47	56	22742	135.023	ug/l	93
14) Allyl chloride	2.92	41	376847	53.213	ug/l	98
15) Acrylonitrile	3.35	53	243001	310.612	ug/l	95
16) Acetone	2.61	43	281738	230.290	ug/l	95
17) Carbon Disulfide	2.75	76	498142	48.119	ug/l	97
18) Methyl Acetate	2.93	43	138414	53.050	ug/l	94
19) Methyl tert-butyl Ether	3.40	73	716477	88.779	ug/l	99
20) Methylene Chloride	3.07	84	181200	57.444	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	237102	71.300	ug/l	91
22) Diisopropyl ether	4.07	45	1475640	52.464	ug/l	97
23) Vinyl Acetate	4.01	43	3964566	262.944	ug/l	100
24) 1,1-Dichloroethane	3.96	63	817296	53.936	ug/l	99
25) 2-Butanone	4.83	43	668188	250.592	ug/l	99
26) 2,2-Dichloropropane	4.79	77	634846	50.034	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	439749	52.918	ug/l	97
28) Bromochloromethane	5.15	49	367519	54.104	ug/l #	86
29) Tetrahydrofuran	5.19	42	355152	250.233	ug/l	99
30) Chloroform	5.32	83	878934	54.943	ug/l	96
31) Cyclohexane	5.59	56	556334	50.634	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	723832	54.764	ug/l	97
36) 1,1-Dichloropropene	5.75	75	555944	46.758	ug/l	98
37) Ethyl Acetate	4.92	43	321850	47.510	ug/l	99
38) Carbon Tetrachloride	5.72	117	604847	51.198	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	546315	47.174	ug/l	96
40) Benzene	6.01	78	1315258	46.438	ug/l	99
41) Methacrylonitrile	5.13	41	164688	50.344	ug/l	98
42) 1,2-Dichloroethane	6.13	62	601383	52.659	ug/l	99
43) Isopropyl Acetate	7.62	43	455578	50.442	ug/l	99
44) Trichloroethene	6.98	130	424020	49.857	ug/l	94
45) 1,2-Dichloropropane	7.35	63	394637	51.737	ug/l	98
46) Dibromomethane	7.46	93	259162	49.770	ug/l	96
47) Bromodichloromethane	7.75	83	626455	52.757	ug/l	100
48) Methyl methacrylate	7.50	41	283118	51.577	ug/l	92
49) 1,4-Dioxane	7.49	88	53482	1079.359	ug/l #	84
51) 4-Methyl-2-Pentanone	8.59	43	1469695	249.477	ug/l	96
52) Toluene	8.80	92	790121	48.992	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	524572	50.812	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	610948	50.479	ug/l	95
55) 1,1,2-Trichloroethane	9.46	97	290784	50.962	ug/l	95
56) Ethyl methacrylate	9.31	69	363831	53.317	ug/l	98
57) 1,3-Dichloropropane	9.66	76	486649	50.632	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	826491	244.654	ug/l	97
59) 2-Hexanone	9.78	43	1083803	254.605	ug/l	99
60) Dibromochloromethane	9.96	129	414018	53.466	ug/l	97
61) 1,2-Dibromoethane	10.09	107	339618	54.382	ug/l	100
64) Tetrachloroethene	9.52	164	422856	51.545	ug/l	98
65) Chlorobenzene	10.72	112	943643	51.742	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	353343	50.205	ug/l	99
67) Ethyl Benzene	10.86	91	1557654	48.379	ug/l	100
68) m/p-Xylenes	11.01	106	1056941	98.439	ug/l	99
69) o-Xylene	11.41	106	519779	50.686	ug/l	100
70) Styrene	11.43	104	910697	52.042	ug/l	98
71) Bromoform	11.60	173	304529	54.241	ug/l	99
73) Isopropylbenzene	11.77	105	1502737	50.963	ug/l	100
74) N-amyl acetate	11.64	43	599819	52.610	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	362521	52.830	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	363080	50.445	ug/l	99
77) Bromobenzene	12.04	156	464559	52.613	ug/l	87
78) n-propylbenzene	12.16	91	1907455	50.092	ug/l	100
79) 2-Chlorotoluene	12.21	91	1111473	51.008	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	1183907	51.477	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	91386	52.059	ug/l	95
82) 4-Chlorotoluene	12.32	91	1242172	59.530	ug/l	92
83) tert-Butylbenzene	12.58	119	1354404	51.222	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1283174	51.327	ug/l	98
85) sec-Butylbenzene	12.76	105	1600238	51.631	ug/l	98
86) p-Isopropyltoluene	12.88	119	1312511	52.257	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	781218	50.903	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	771070	51.450	ug/l	95
89) n-Butylbenzene	13.20	91	1202298	45.547	ug/l	98
90) Hexachloroethane	13.40	117	329914	50.608	ug/l	75
91) 1,2-Dichlorobenzene	13.19	146	595532	45.599	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	58815	53.856	ug/l	65

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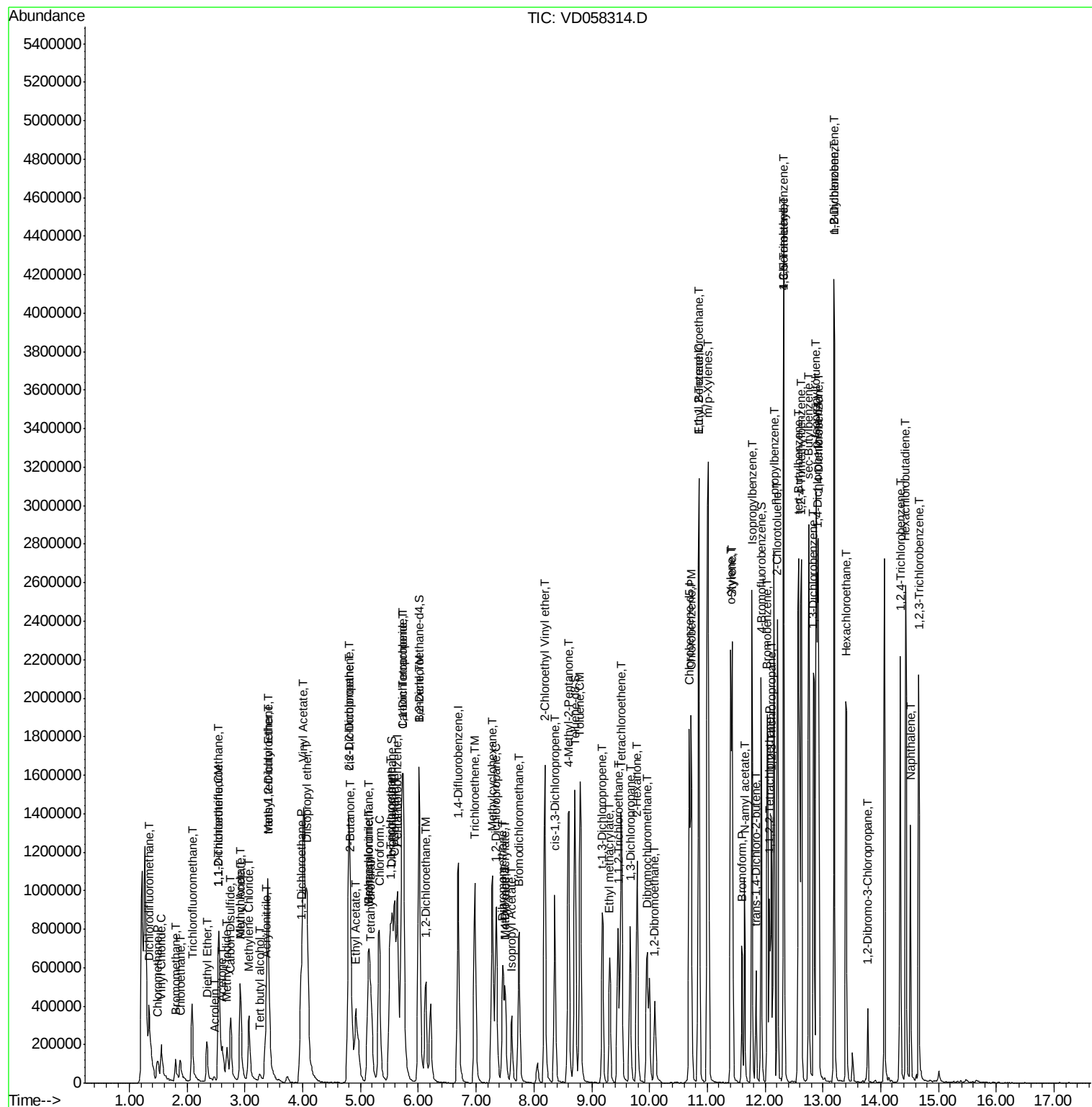
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	638053	51.081	ug/l	99
94) Hexachlorobutadiene	14.43	225	469921	48.098	ug/l	98
95) Naphthalene	14.52	128	831973	50.564	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	544553	49.798	ug/l	95

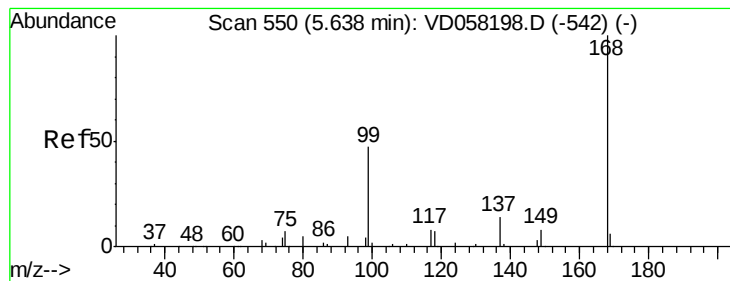
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 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 :

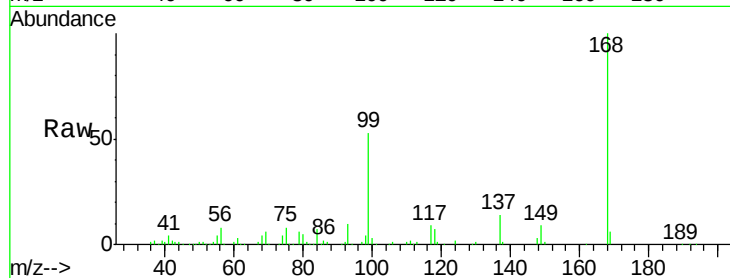
VSTDCCC050EC

Tot Ion:168 Resp: 885655

Ion Ratio Lower Upper

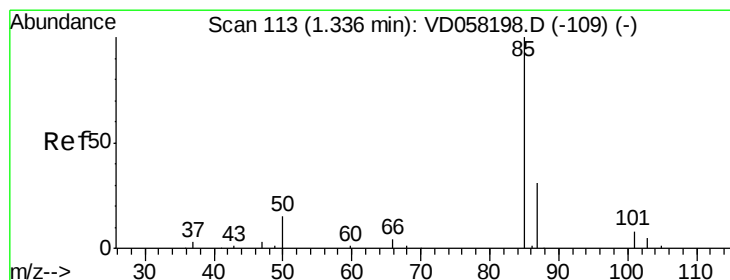
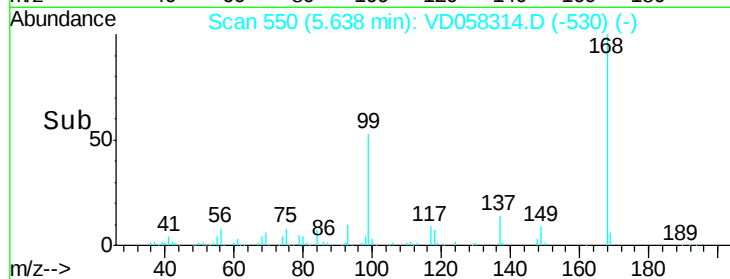
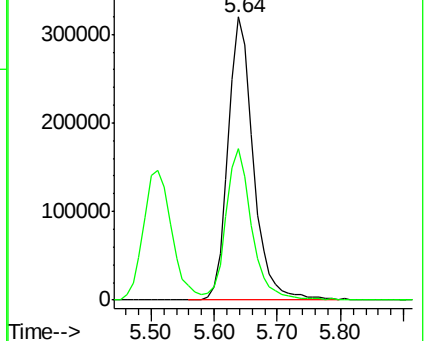
168 100

99 53.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.572 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058314.D

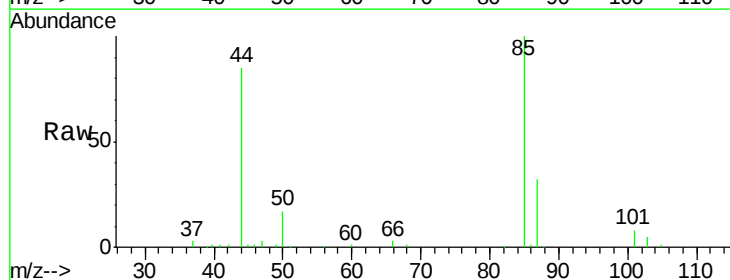
Acq: 22 Jun 2018 23:34

Tgt Ion: 85 Resp: 425957

Ion Ratio Lower Upper

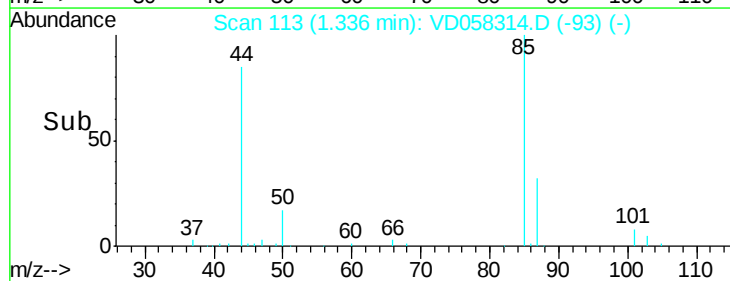
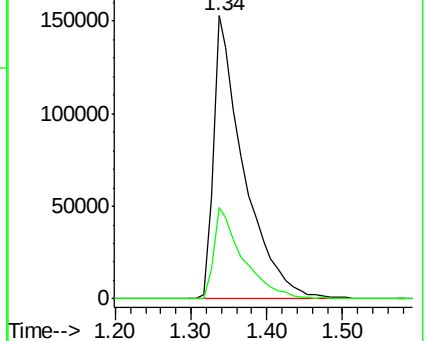
85 100

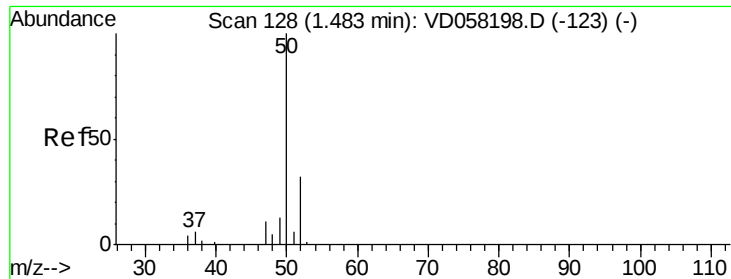
87 32.2 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.136 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 :

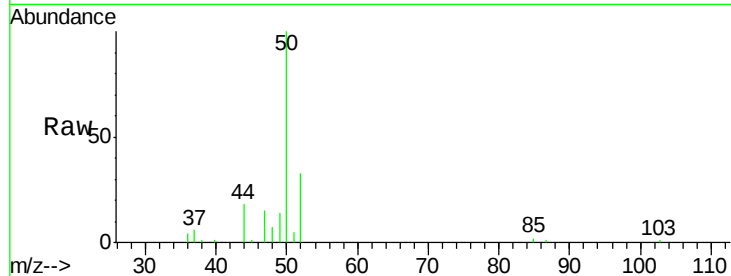
VSTDCCC050EC

Tot Ion: 50 Resp: 193724

Ion Ratio Lower Upper

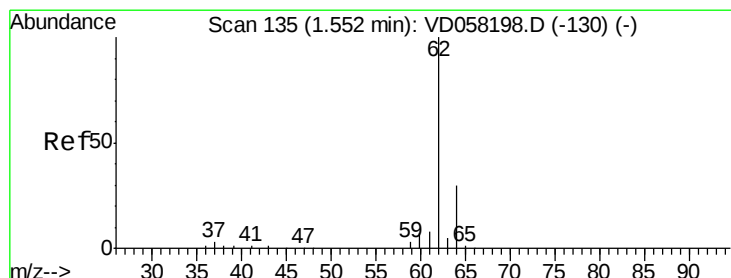
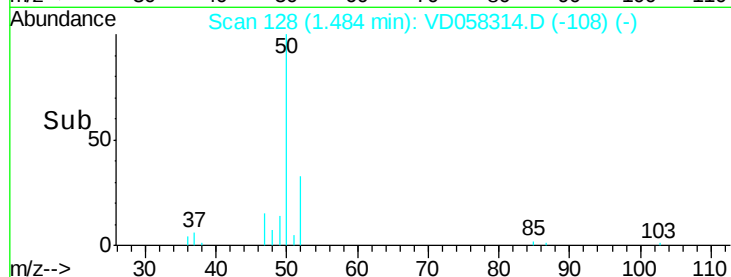
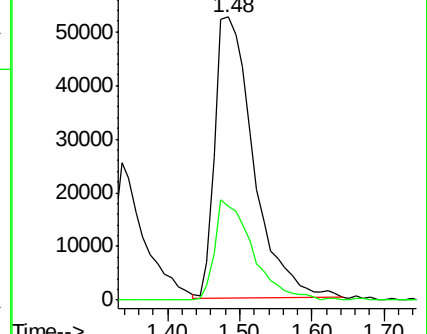
50 100

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



#4

Vinyl Chloride

Concen: 50.238 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058314.D

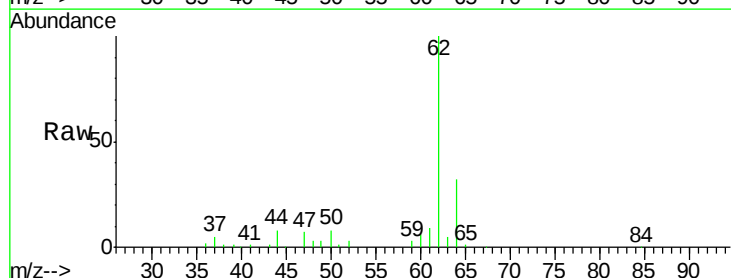
Acq: 22 Jun 2018 23:34

Tgt Ion: 62 Resp: 233082

Ion Ratio Lower Upper

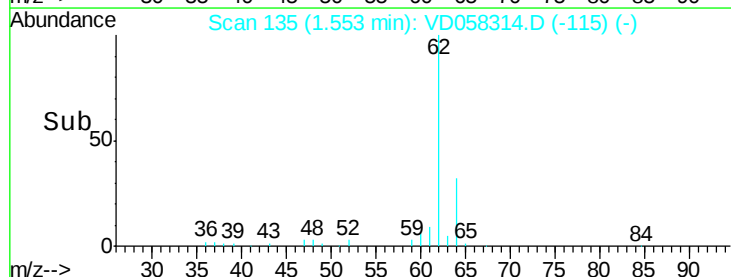
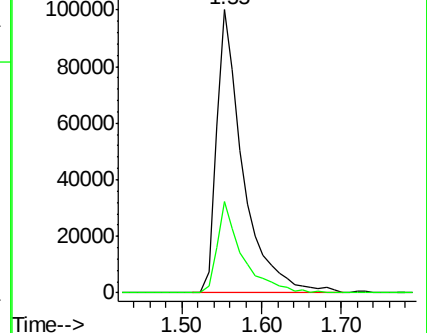
62 100

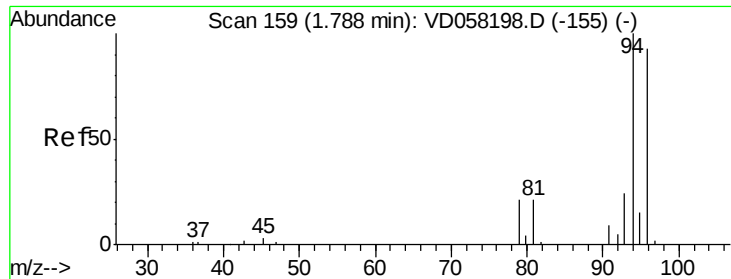
64 32.3 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

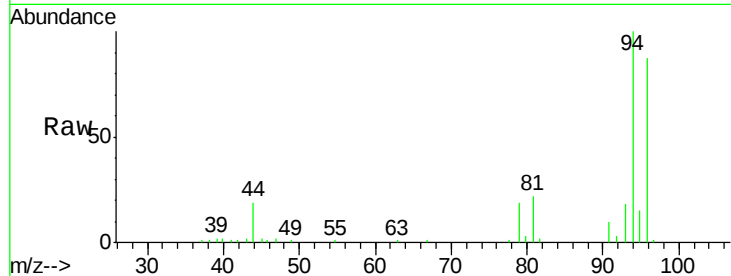




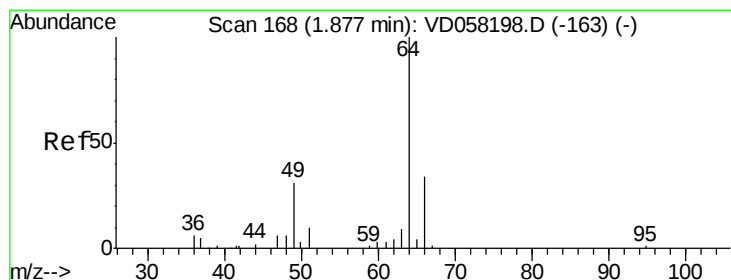
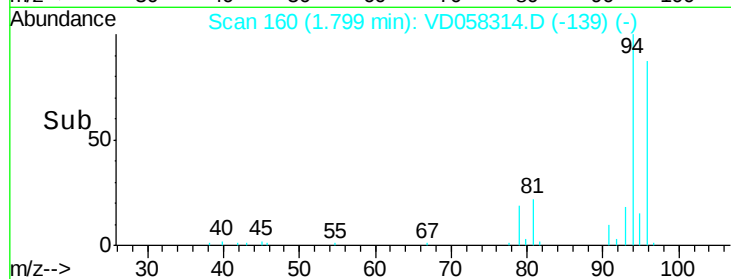
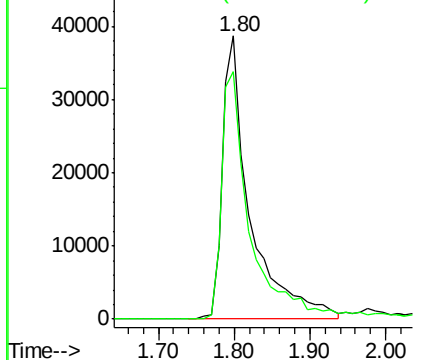
#5
Bromomethane
Concen: 67.194 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

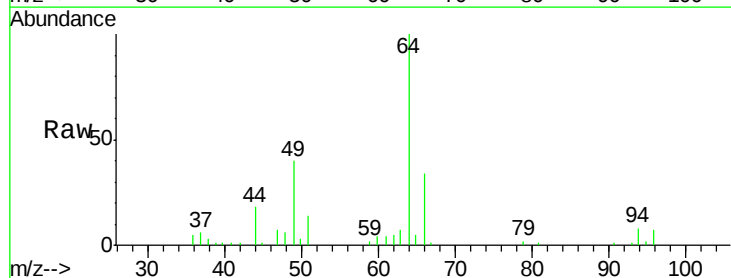


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

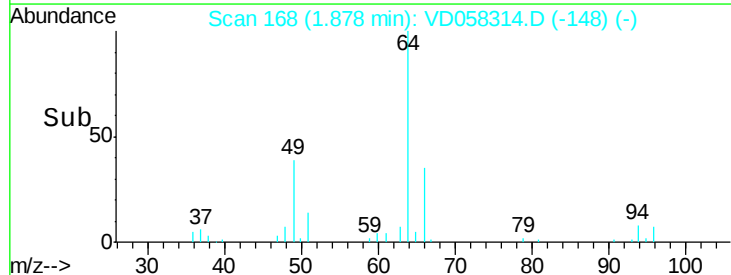
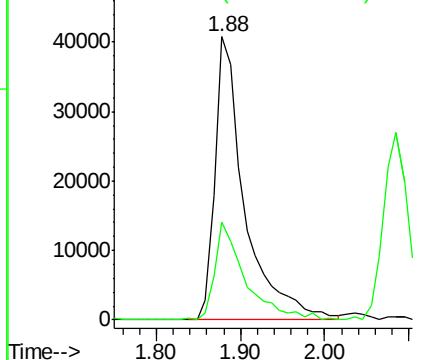


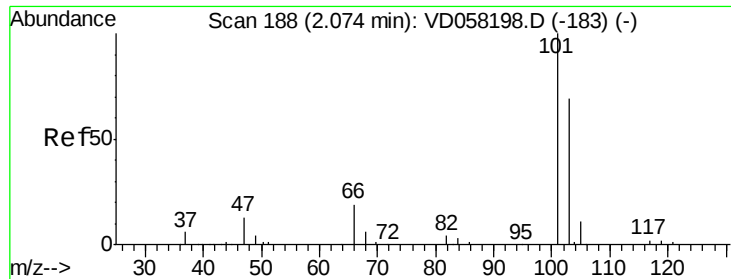
#6
Chloroethane
Concen: 60.648 ug/l
RT: 1.88 min Scan# 168
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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



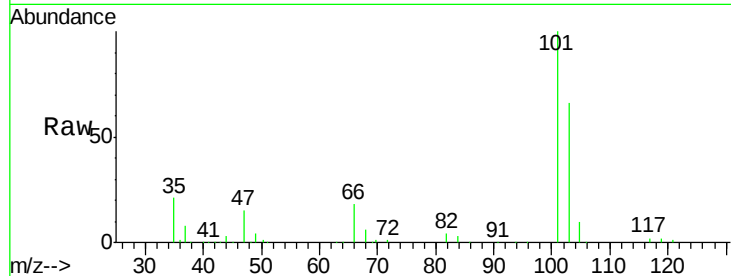


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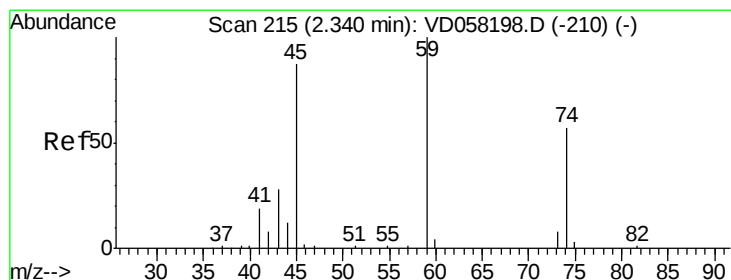
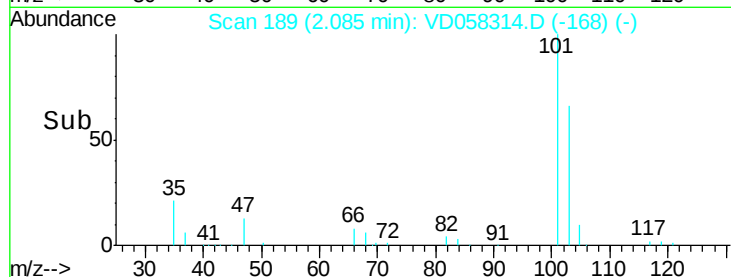
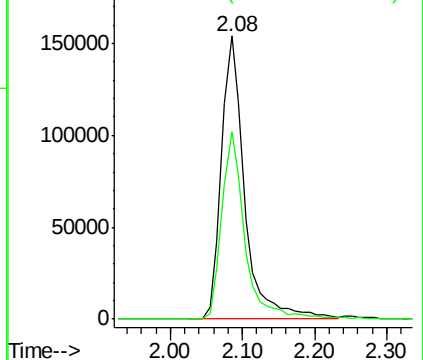
Trichlorofluoromethane
 Concen: 53.973 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058314.D
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Tot Ion:101 Resp: 343347
 Ion Ratio Lower Upper
 101 100
 103 66.0 55.1 82.7



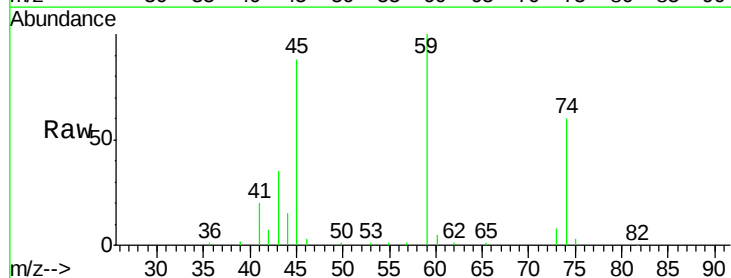
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



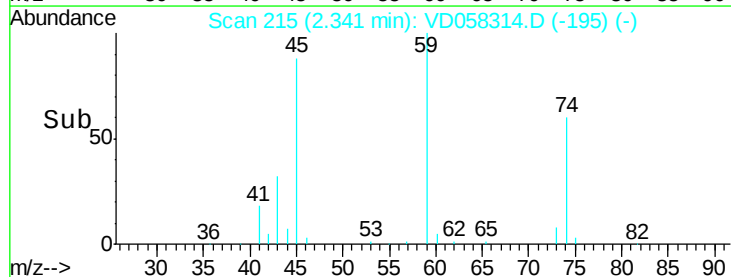
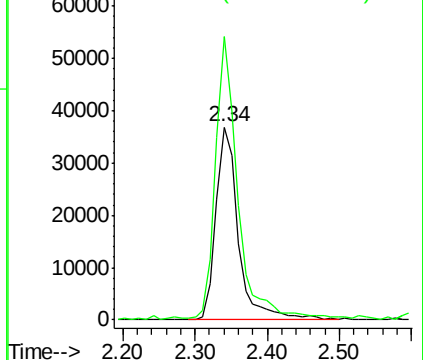
#8

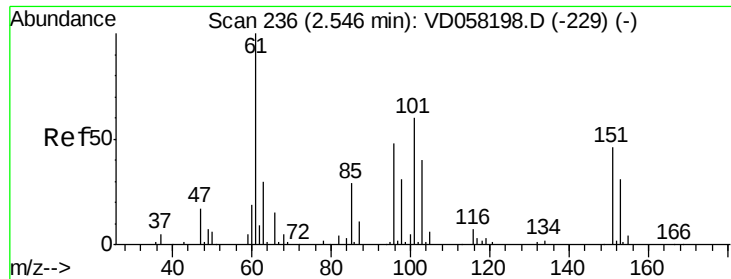
Diethyl Ether
 Concen: 58.439 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058314.D
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Tgt Ion: 74 Resp: 78631
 Ion Ratio Lower Upper
 74 100
 45 146.8 77.5 232.6



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: 52.610 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

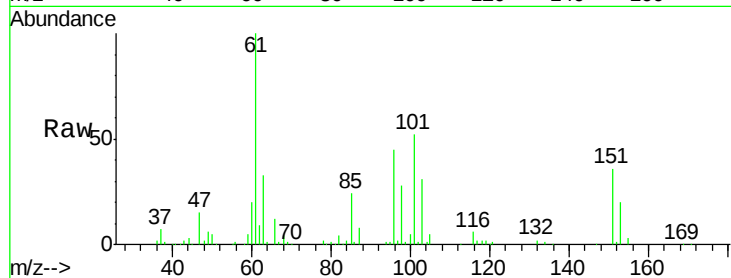
Tot Ion:101 Resp: 212759

Ion Ratio Lower Upper

101 100

85 47.4 39.0 58.4

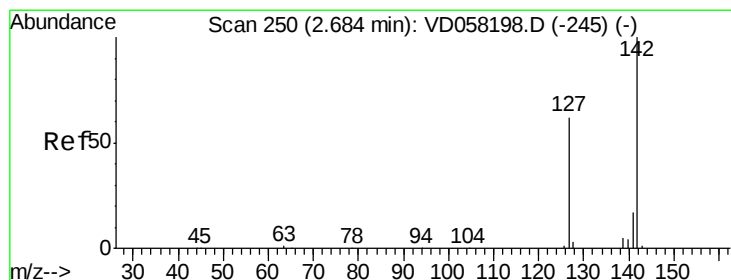
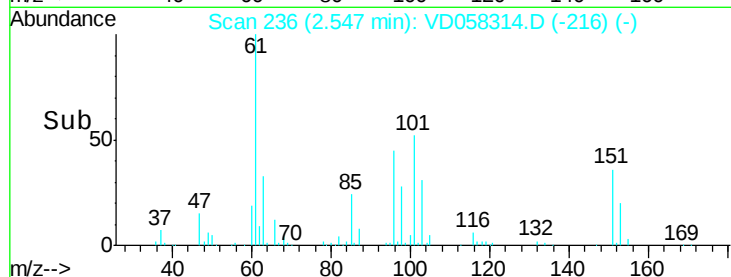
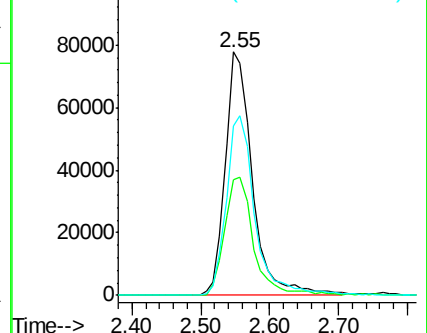
151 69.5 61.8 92.8



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: 54.106 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

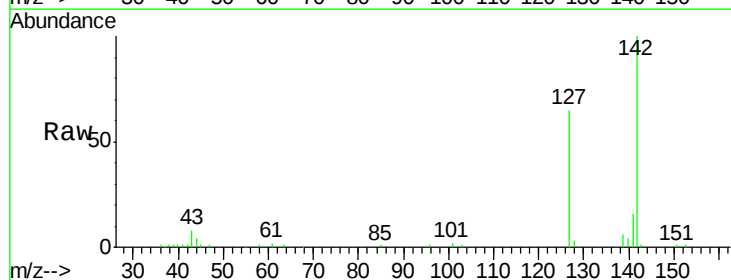
Tgt Ion:142 Resp: 248889

Ion Ratio Lower Upper

142 100

127 64.9 49.4 74.0

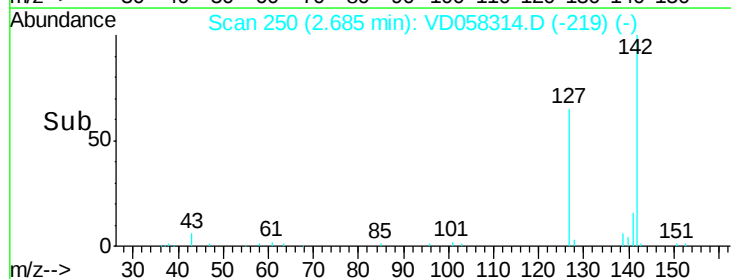
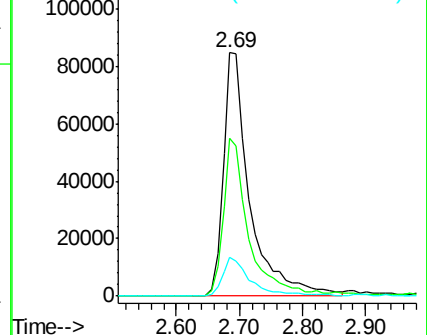
141 15.8 13.5 20.3



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



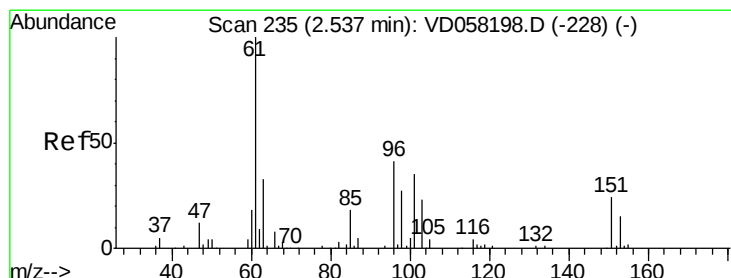
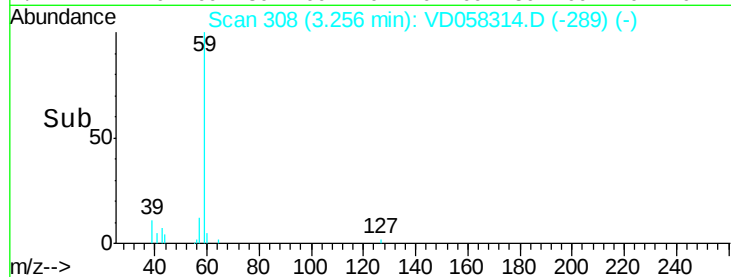
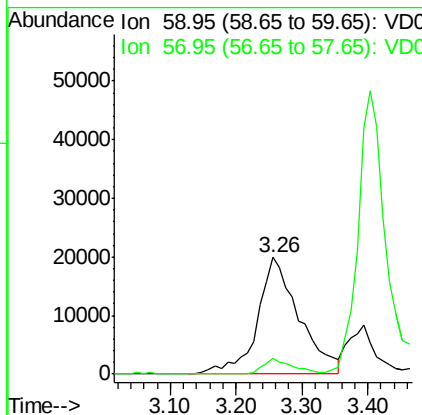
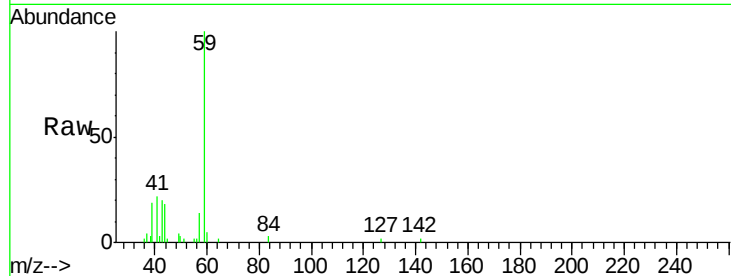


#11

Tert butyl alcohol
 Concen: 298.901 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

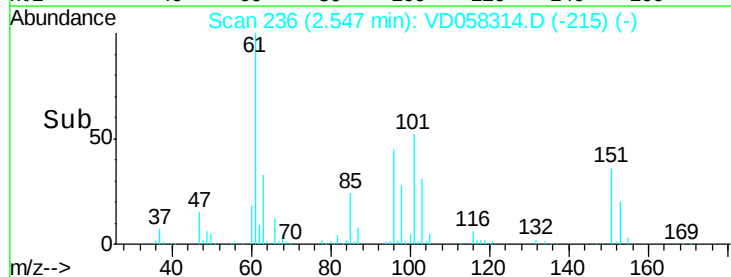
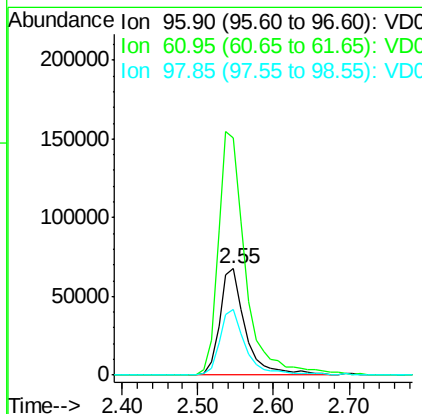
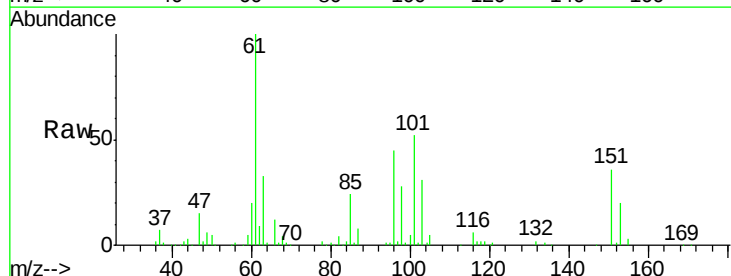
Tot Ion: 59 Resp: 88190
 Ion Ratio Lower Upper
 59 100
 57 14.0 6.2 9.4#

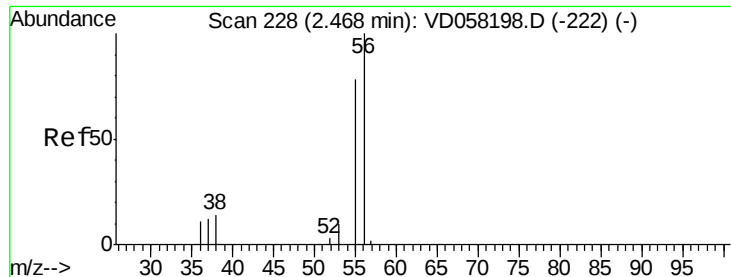


#12

1,1-Dichloroethene
 Concen: 52.541 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: 135.023 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 :

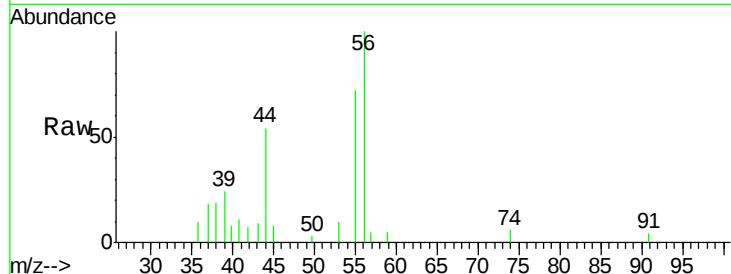
VSTDCCC050EC

Tot Ion: 56 Resp: 22742

Ion Ratio Lower Upper

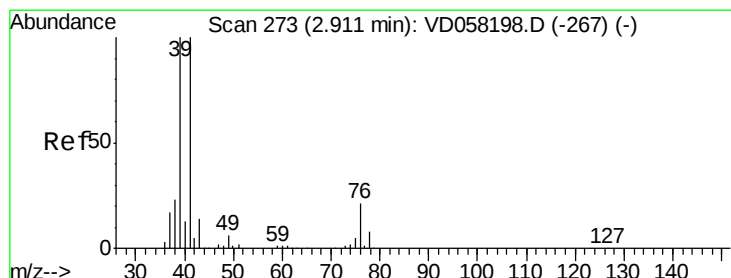
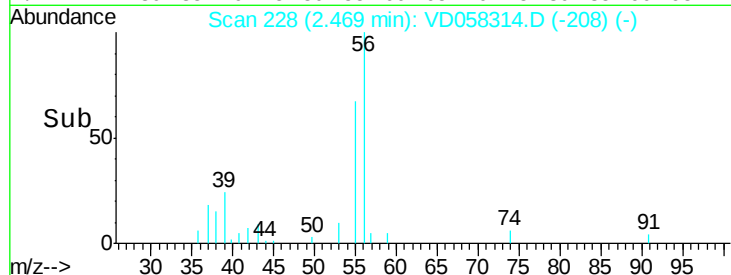
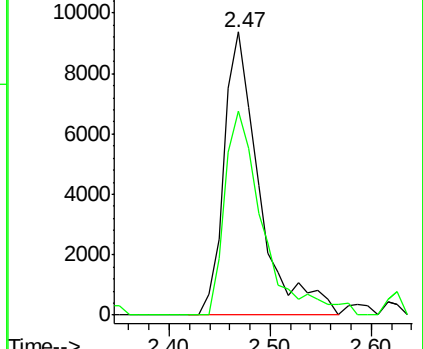
56 100

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



#14

Allyl chloride

Concen: 53.213 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

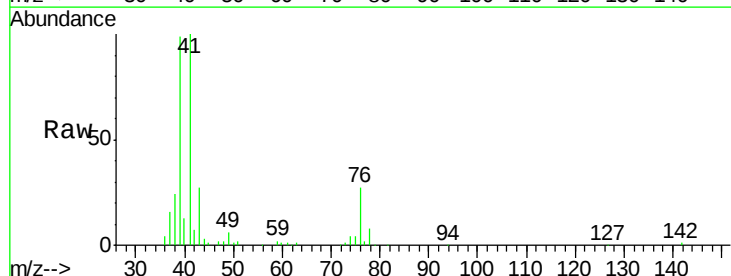
Tgt Ion: 41 Resp: 376847

Ion Ratio Lower Upper

41 100

39 98.8 80.1 120.1

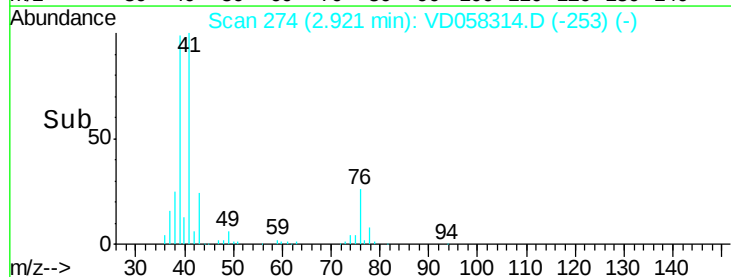
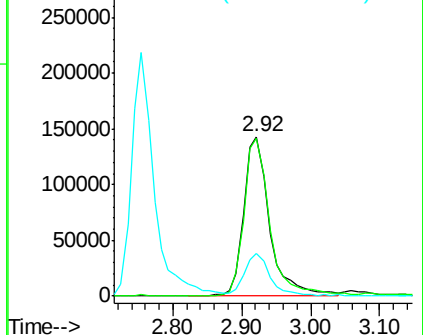
76 26.9 19.4 29.2

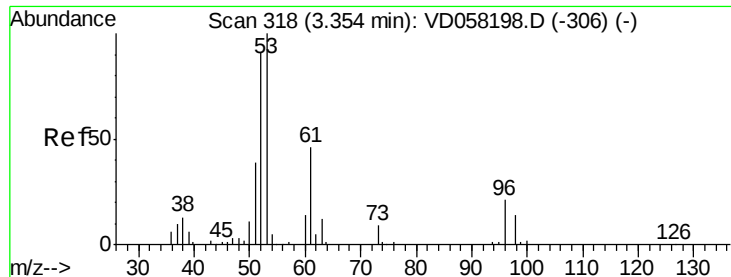


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 310.612 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

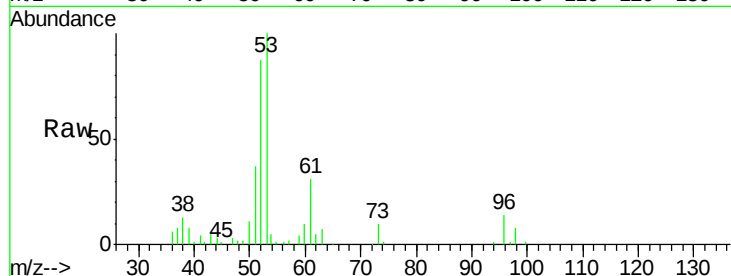
Tot Ion: 53 Resp: 243001

Ion Ratio Lower Upper

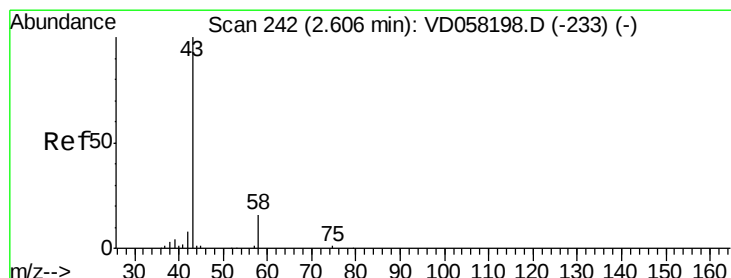
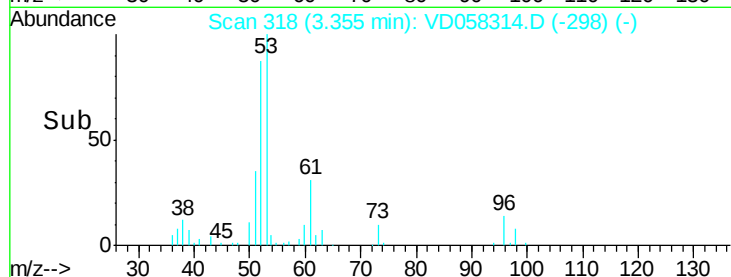
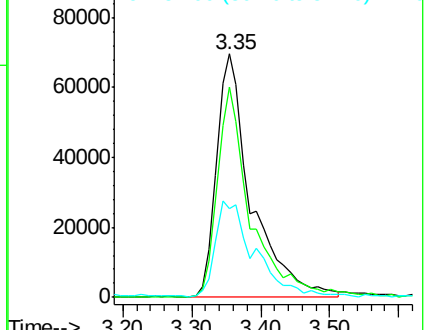
53 100

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: 230.290 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058314.D

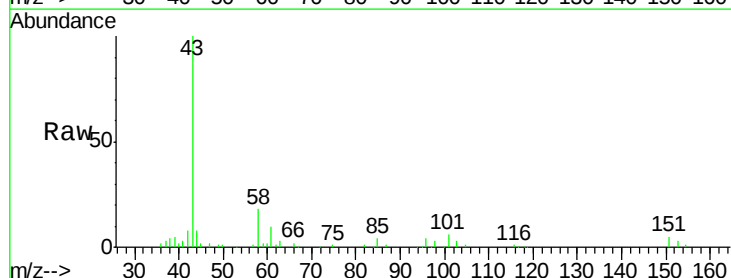
Acq: 22 Jun 2018 23:34

Tgt Ion: 43 Resp: 281738

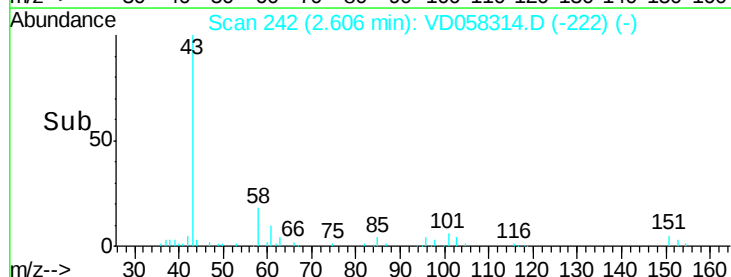
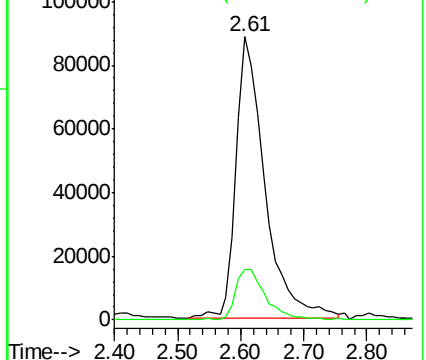
Ion Ratio Lower Upper

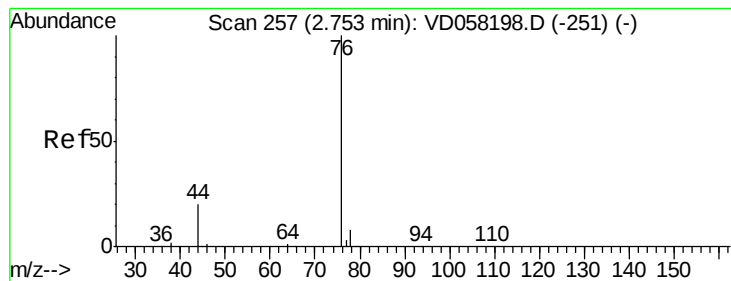
43 100

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: 48.119 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 :

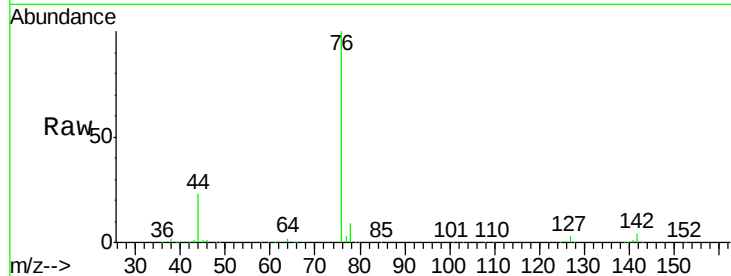
VSTDCCC050EC

Tot Ion: 76 Resp: 498142

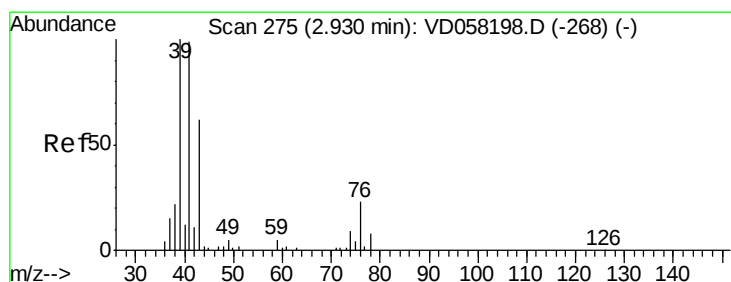
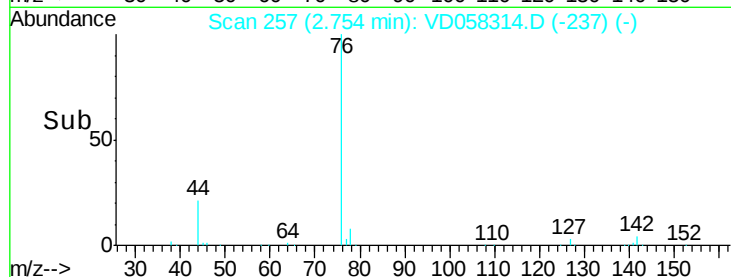
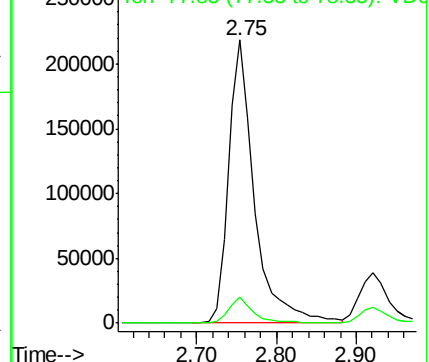
Ion Ratio Lower Upper

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: 53.050 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058314.D

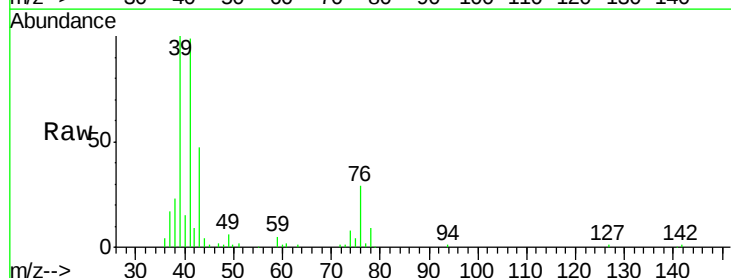
Acq: 22 Jun 2018 23:34

Tgt Ion: 43 Resp: 138414

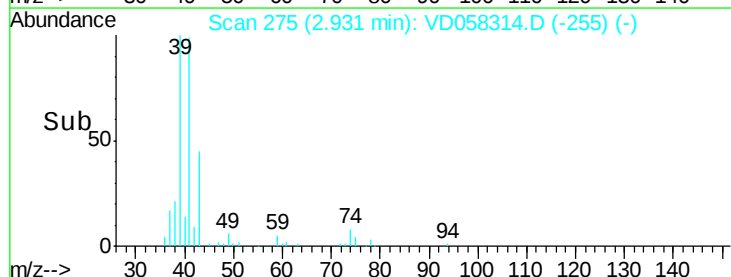
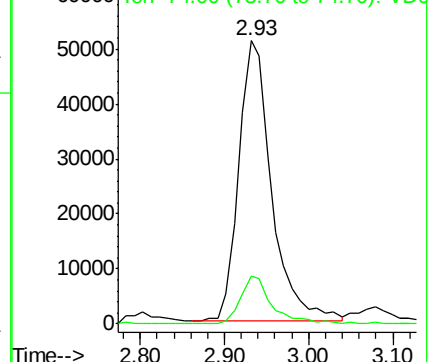
Ion Ratio Lower Upper

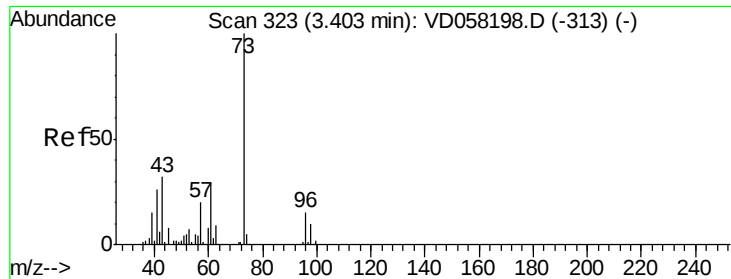
43 100

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

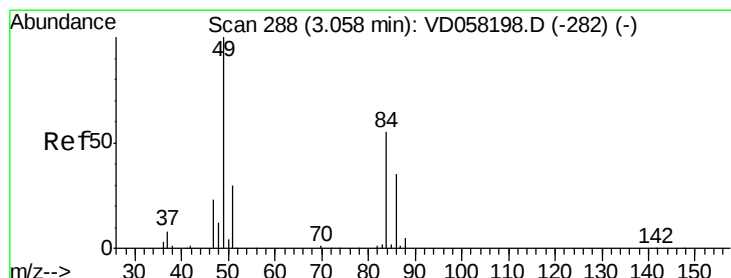
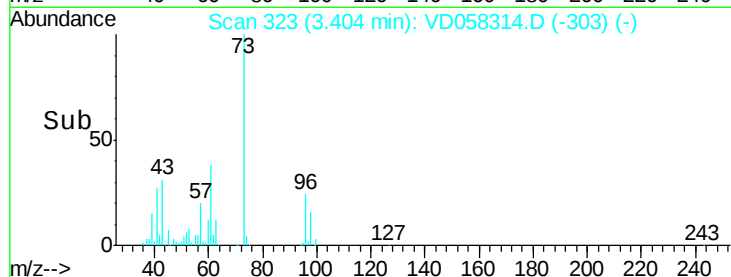
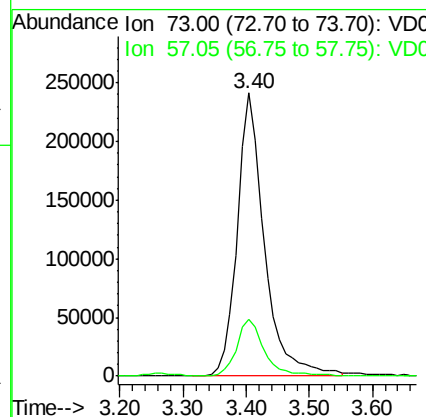
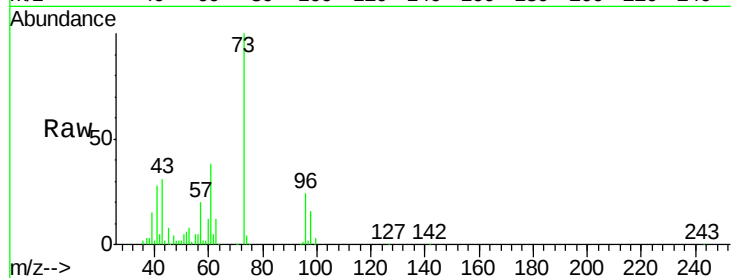




#19
Methvl tert-butvl Ether
Concen: 88.779 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

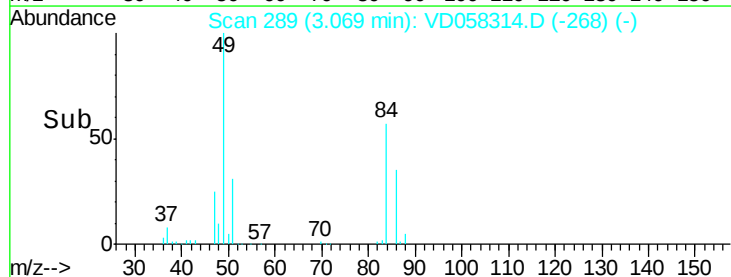
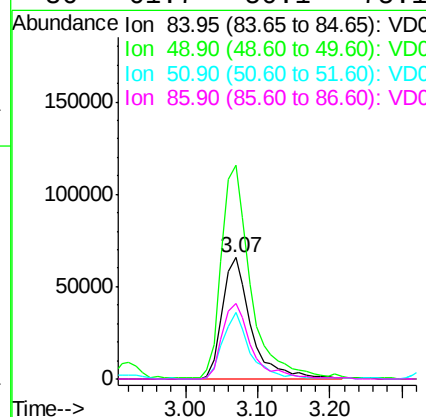
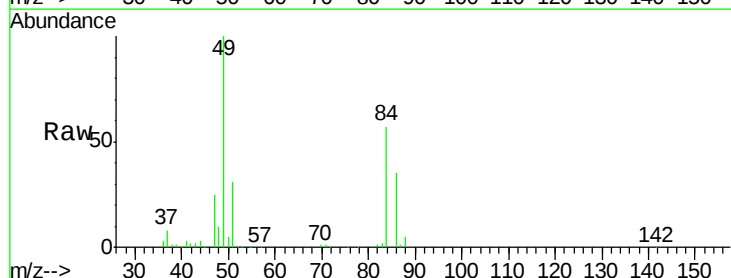
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

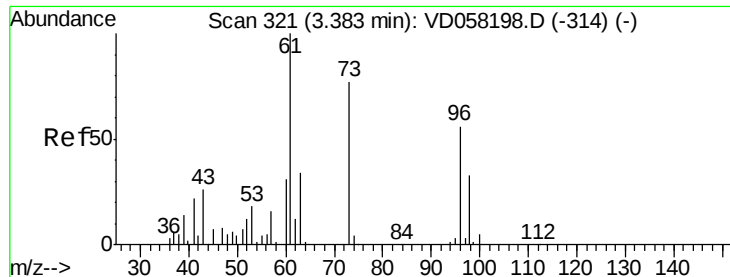
Tot Ion: 73 Resp: 716477
Ion Ratio Lower Upper
73 100
57 20.0 16.6 24.8



#20
Methylene Chloride
Concen: 57.444 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: 71.300 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

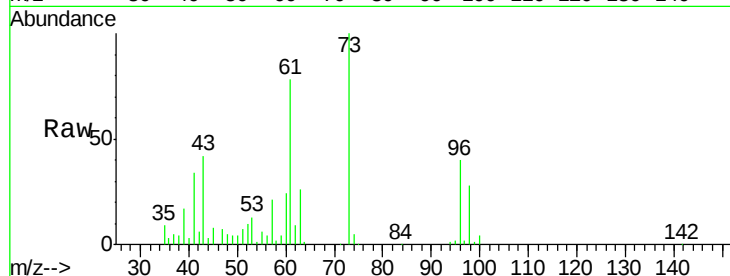
Tot Ion: 96 Resp: 237102

Ion Ratio Lower Upper

96 100

61 191.8 143.8 215.6

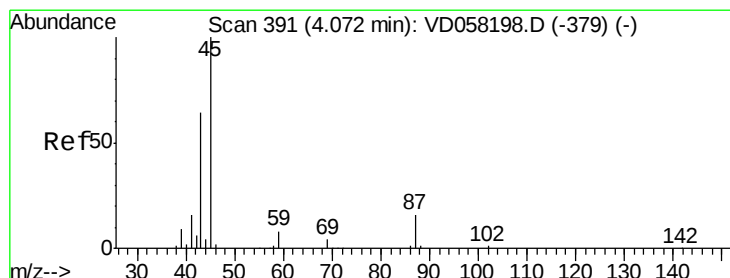
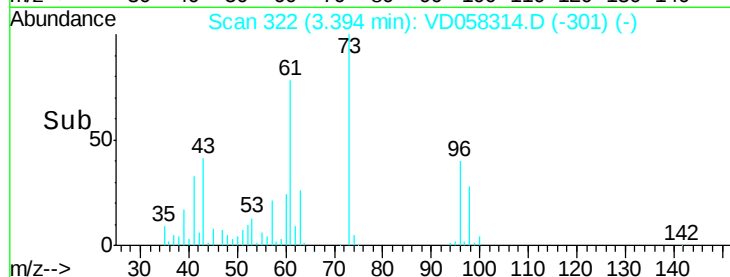
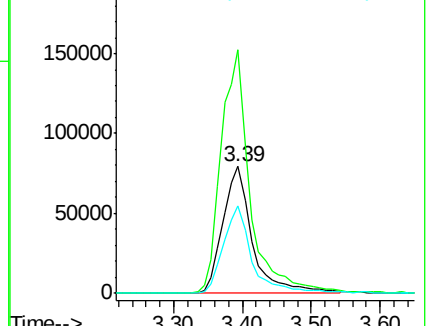
98 69.0 48.0 72.0



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: 52.464 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

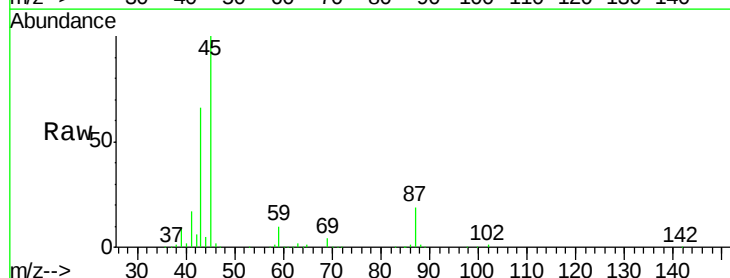
Ion Ratio Lower Upper

45 100

43 66.0 51.4 77.0

87 18.5 13.0 19.4

59 9.5 6.9 10.3

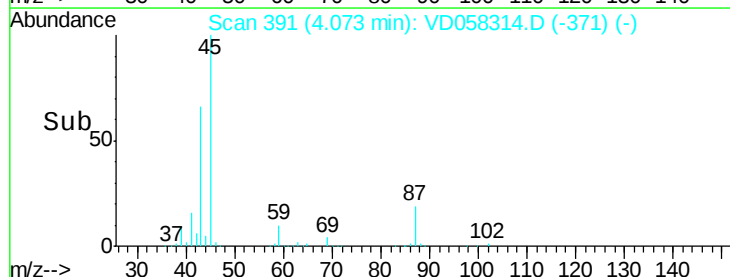
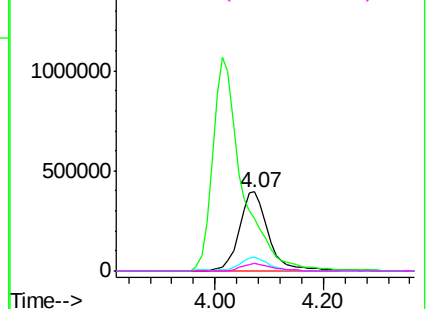


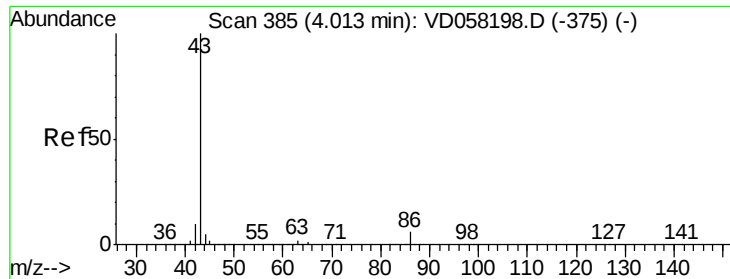
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 262.944 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 :

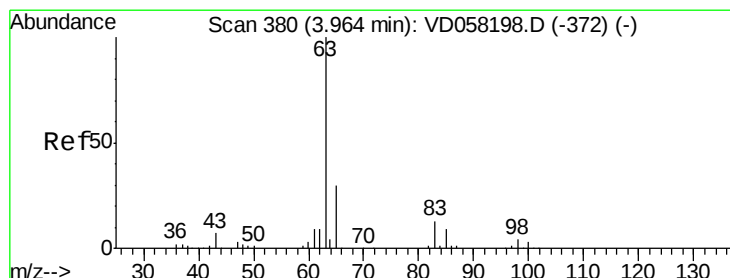
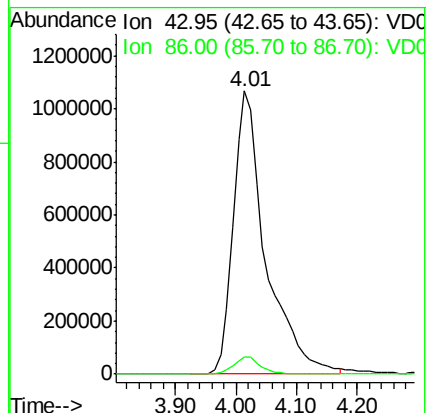
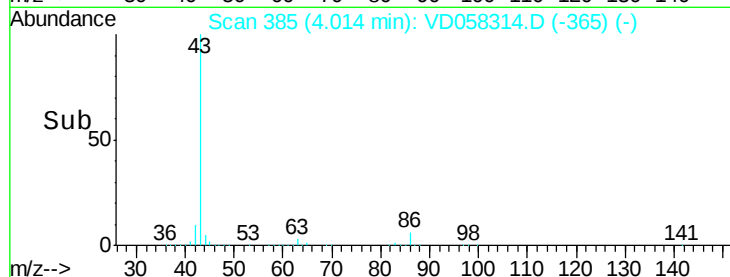
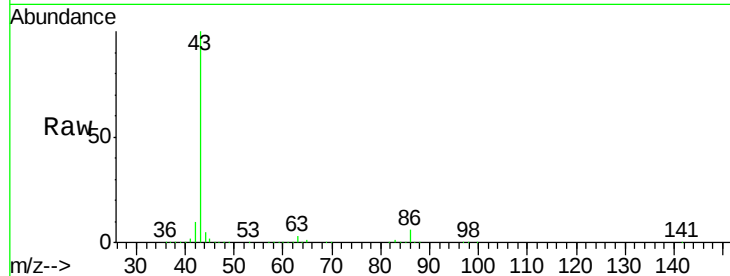
VSTDCCC050EC

Tot Ion: 43 Resp: 3964566

Ion Ratio Lower Upper

43 100

86 6.1 5.0 7.4



#24

1,1-Dichloroethane

Concen: 53.936 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

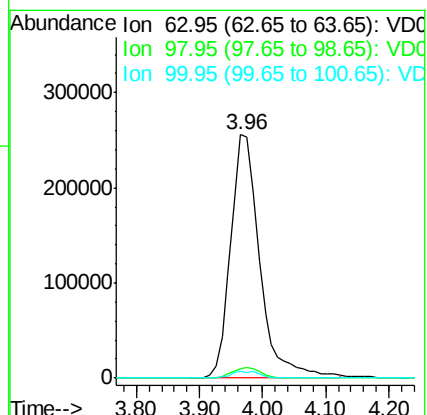
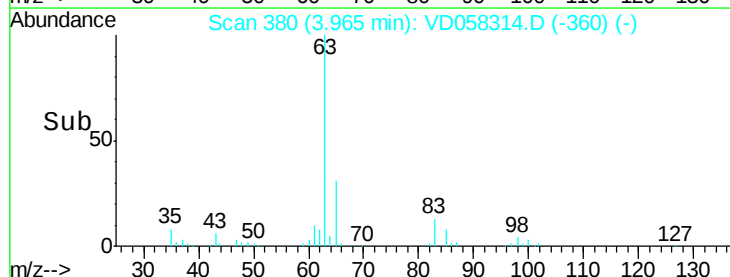
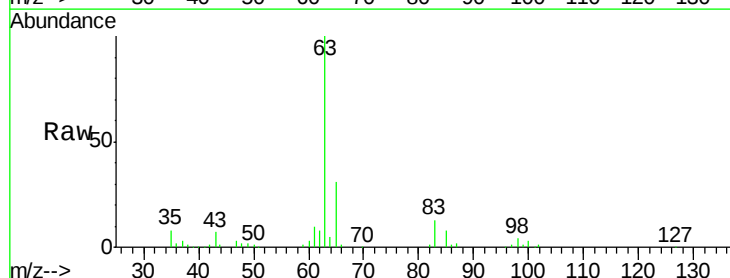
Tgt Ion: 63 Resp: 817296

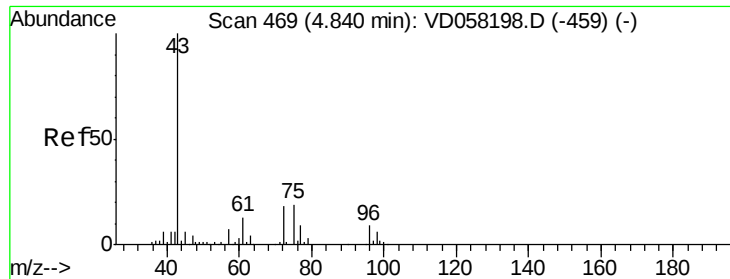
Ion Ratio Lower Upper

63 100

98 4.1 1.9 5.7

100 2.9 1.3 3.9





#25

2-Butanone

Concen: 250.592 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 :

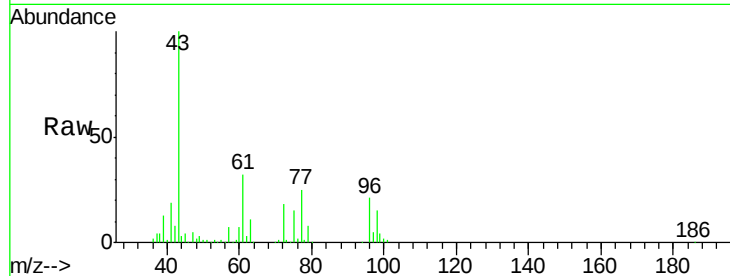
VSTDCCC050EC

Tot Ion: 43 Resp: 668188

Ion Ratio Lower Upper

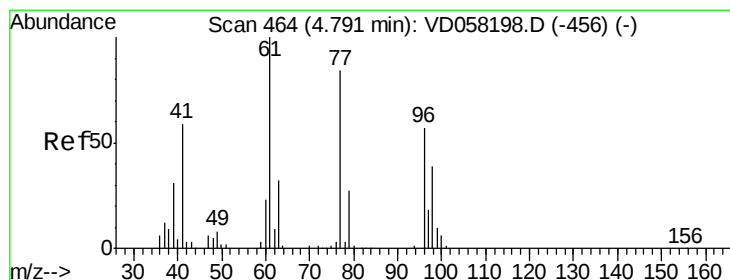
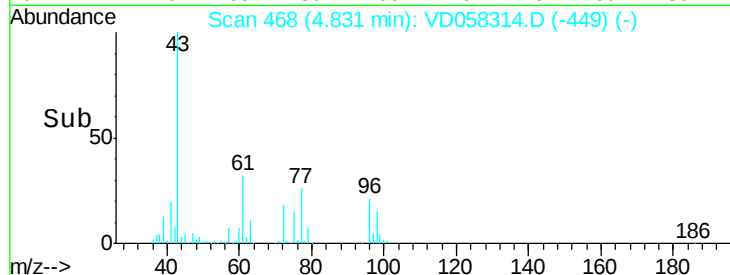
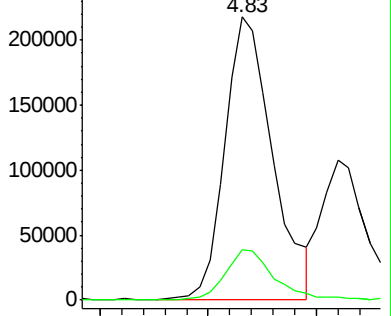
43 100

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: 50.034 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058314.D

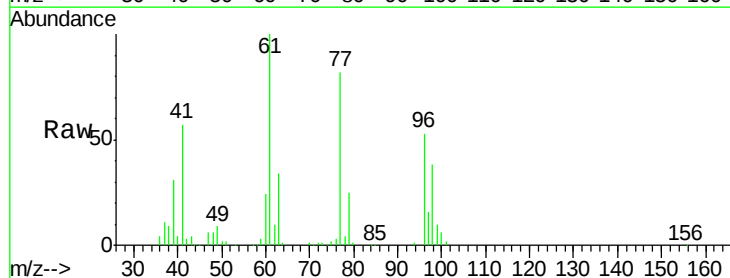
Acq: 22 Jun 2018 23:34

Tgt Ion: 77 Resp: 634846

Ion Ratio Lower Upper

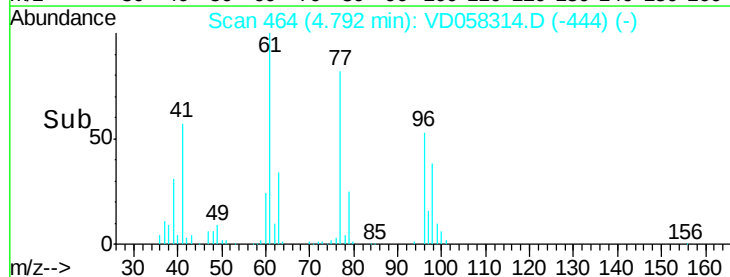
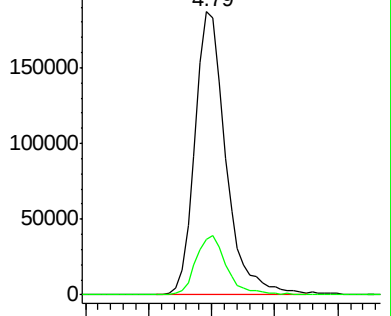
77 100

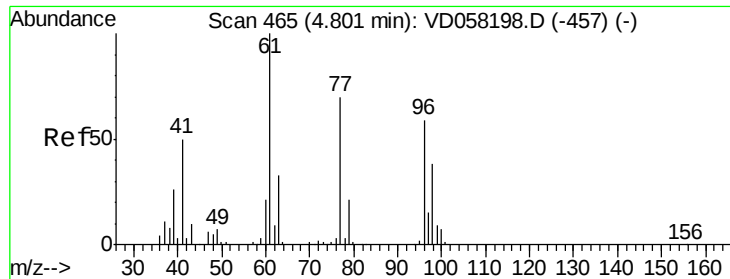
97 19.5 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



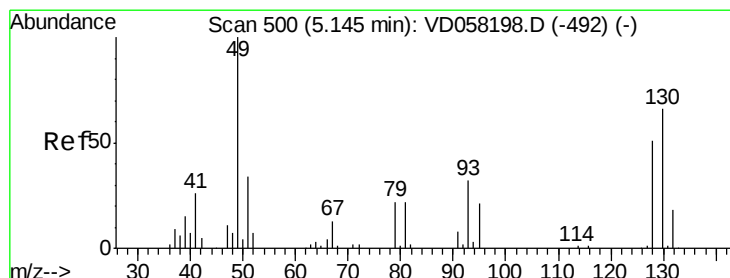
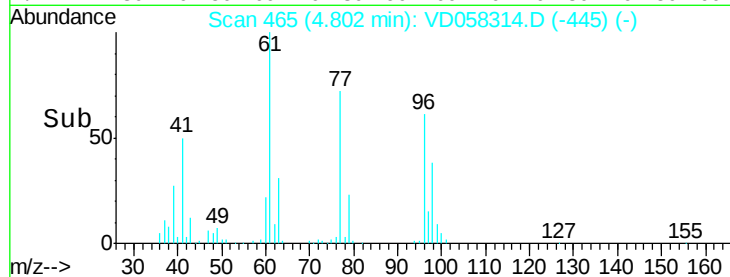
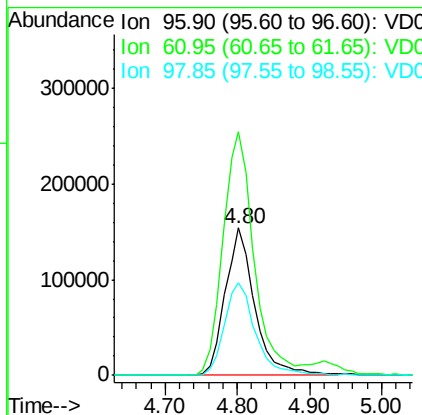
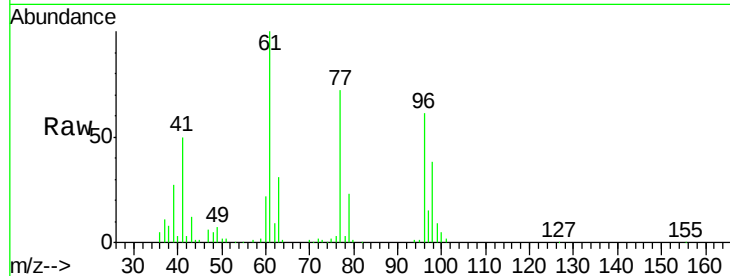


#27

cis-1,2-Dichloroethene
 Concen: 52.918 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

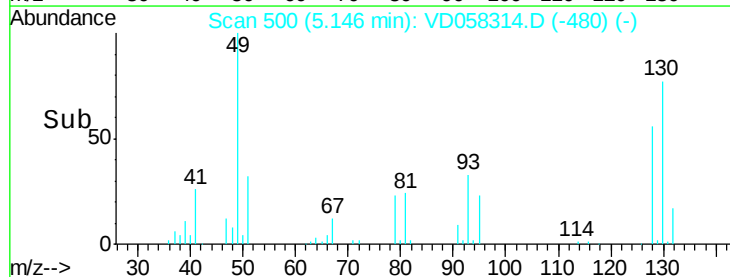
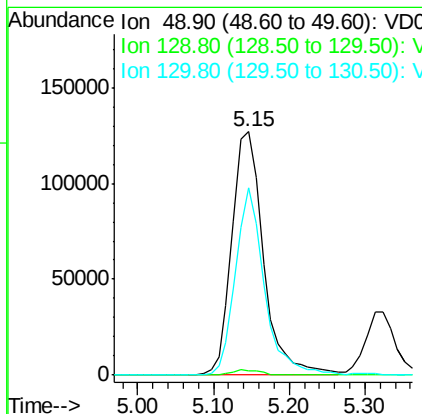
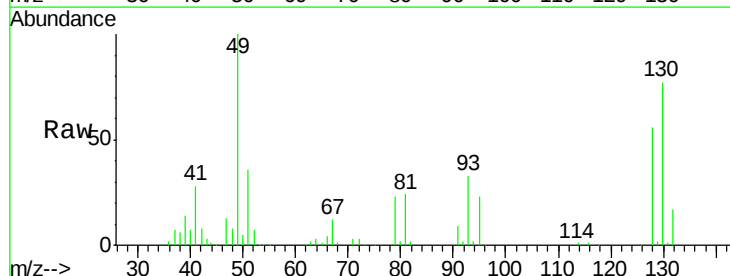
Tot Ion: 96 Resp: 439749
 Ion Ratio Lower Upper
 96 100
 61 165.0 0.0 338.6
 98 62.3 0.0 130.2



#28

Bromochloromethane
 Concen: 54.104 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





#29

Tetrahydrofuran

Concen: 250.233 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

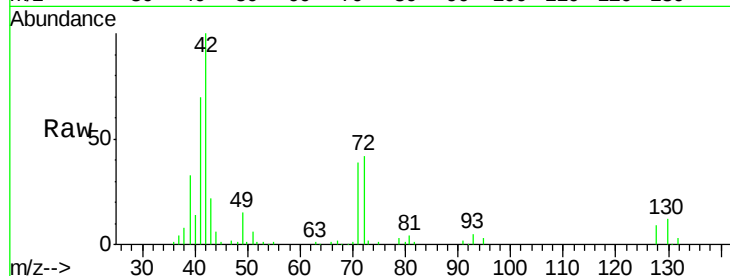
Tot Ion: 42 Resp: 355152

Ion Ratio Lower Upper

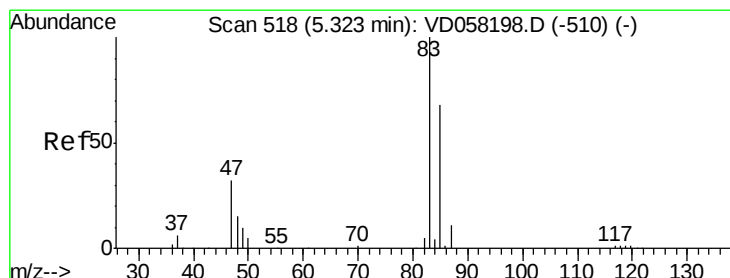
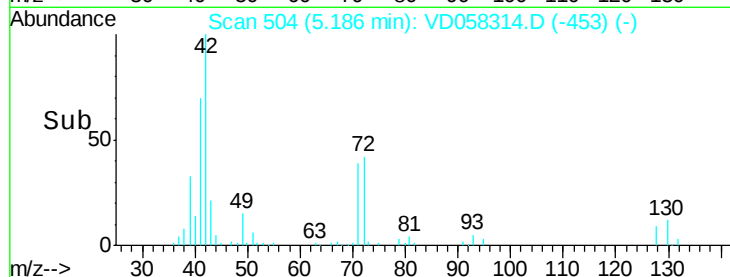
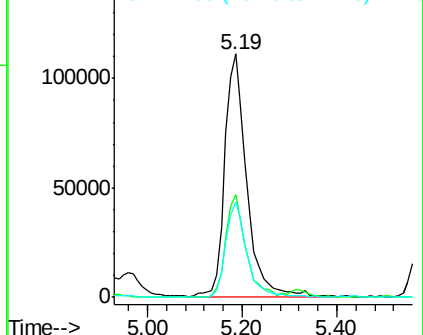
42 100

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: 54.943 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD058314.D

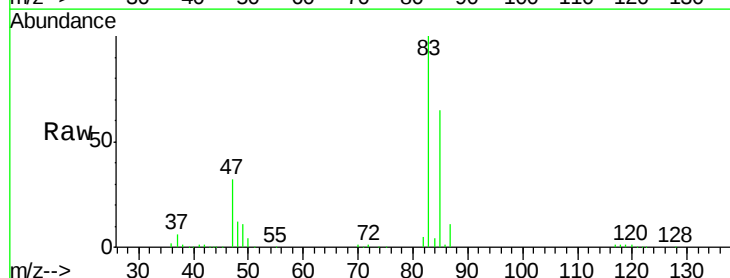
Acq: 22 Jun 2018 23:34

Tgt Ion: 83 Resp: 878934

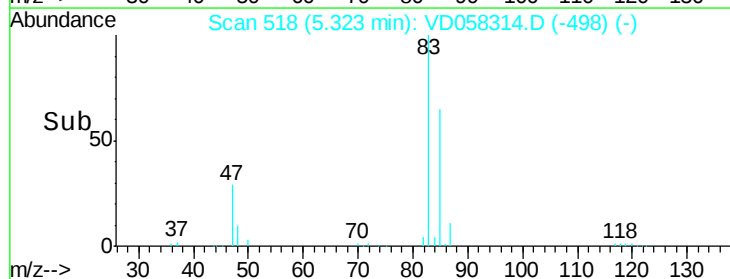
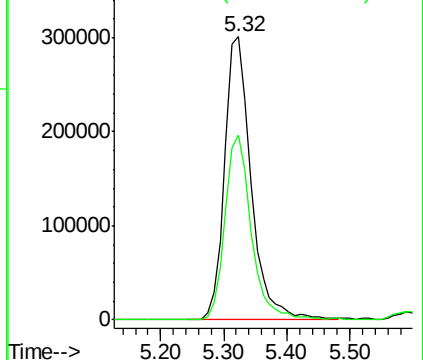
Ion Ratio Lower Upper

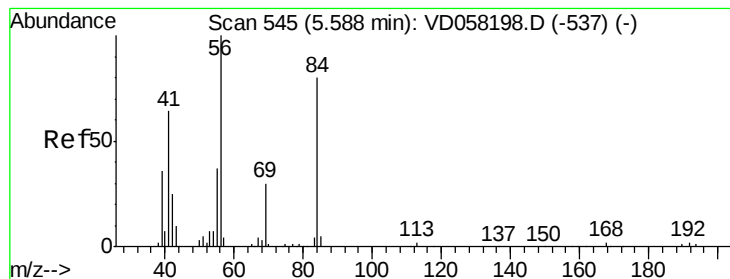
83 100

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: 50.634 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

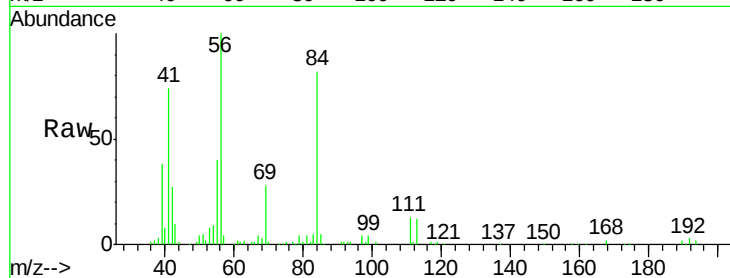
Tot Ion: 56 Resp: 556334

Ion Ratio Lower Upper

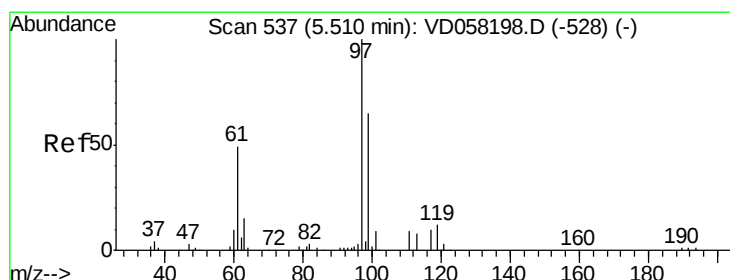
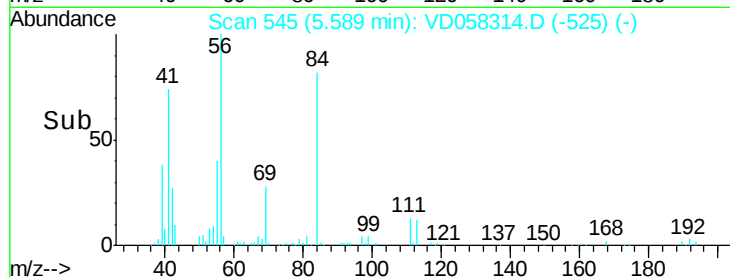
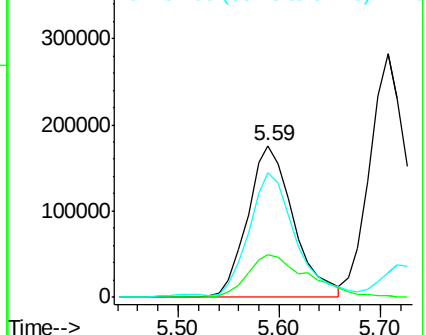
56 100

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: 54.764 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

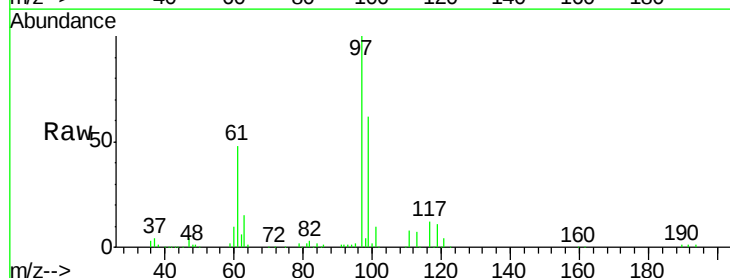
Tgt Ion: 97 Resp: 723832

Ion Ratio Lower Upper

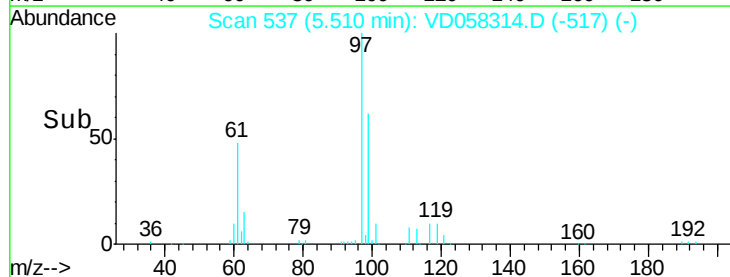
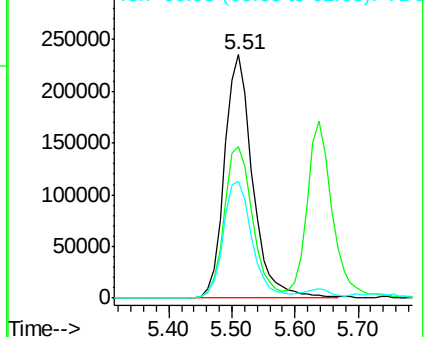
97 100

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

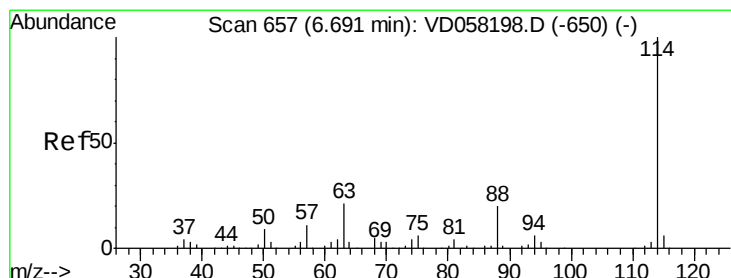
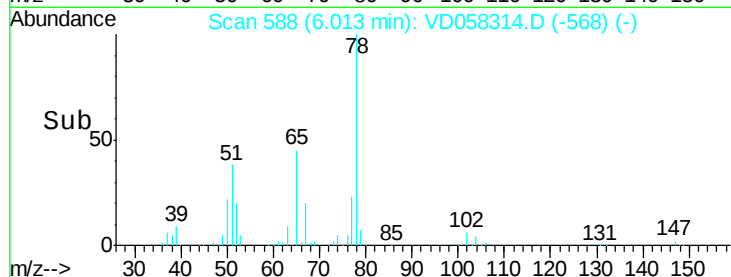
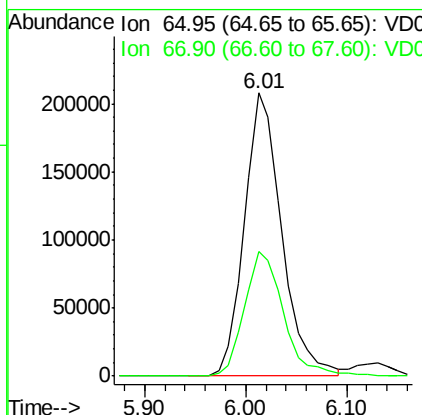
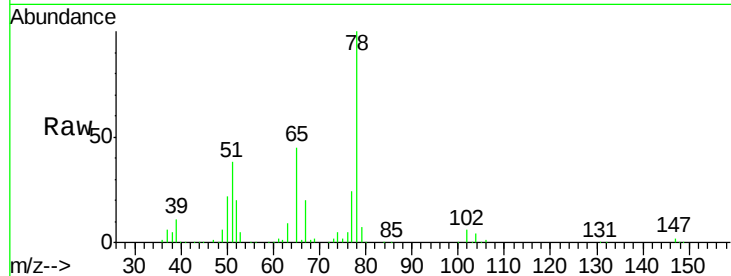




#33
 1,2-Dichloroethane-d4
 Concen: 54.764 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

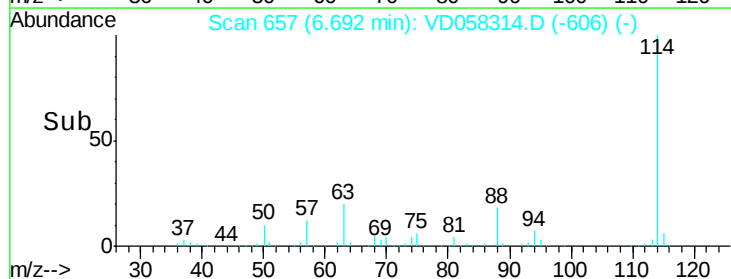
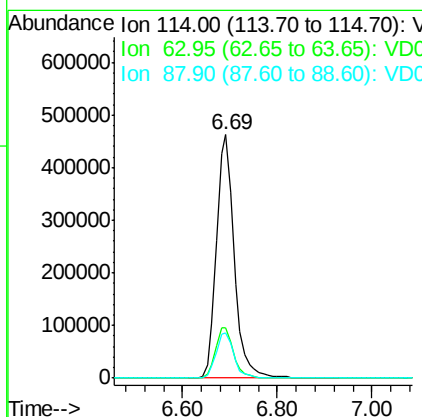
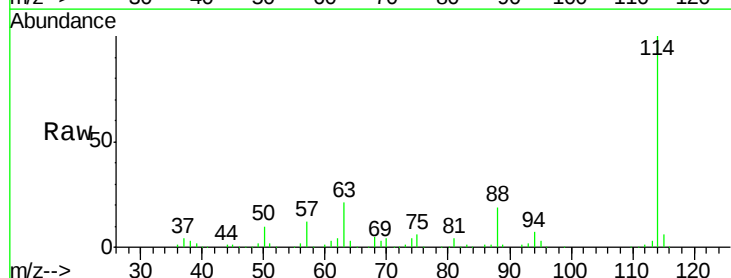
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

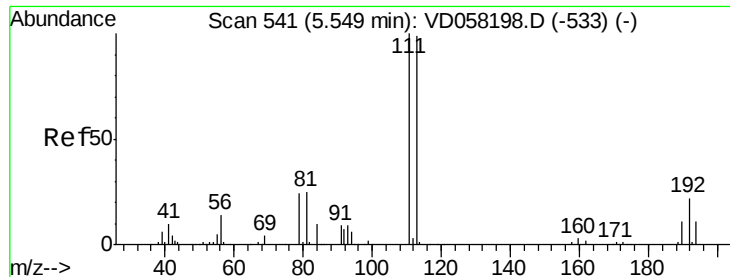
Tot Ion: 65 Resp: 535721
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 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

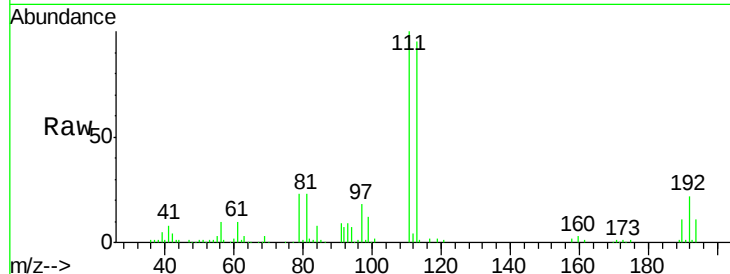




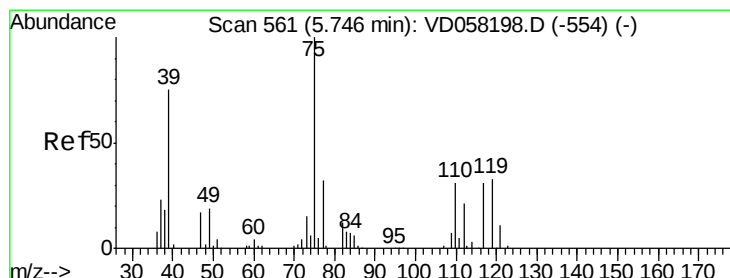
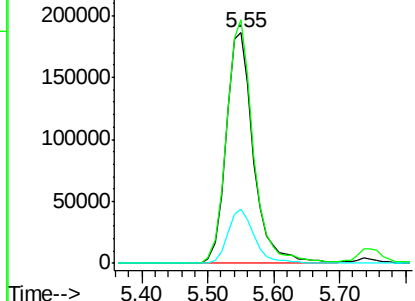
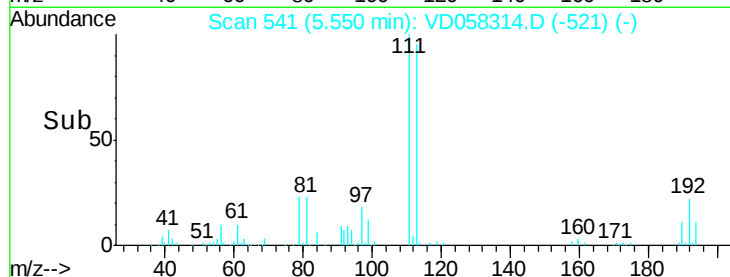
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

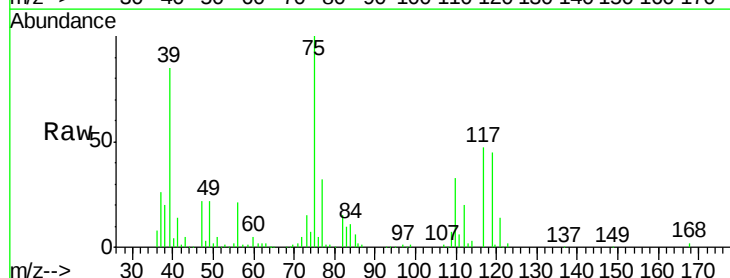


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

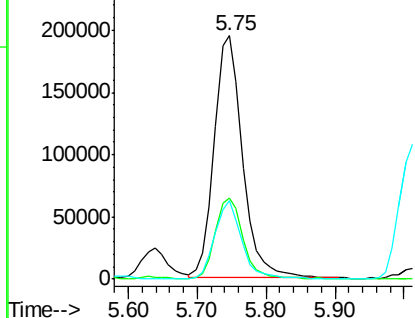
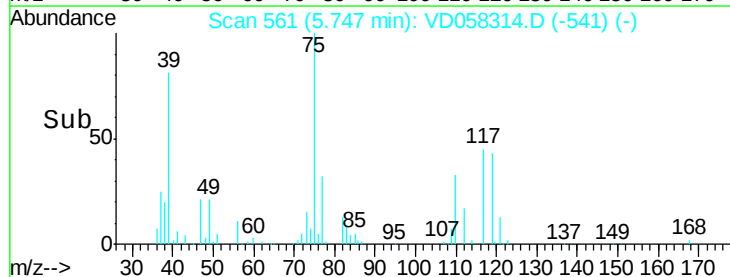


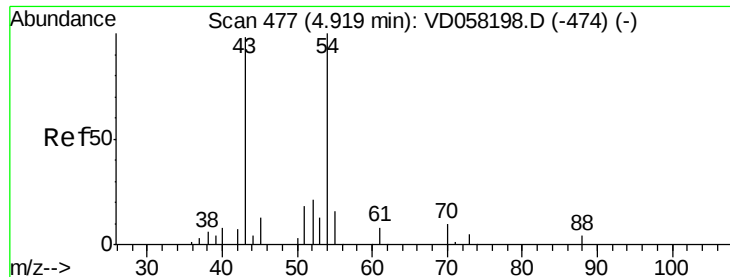
#36
1,1-Dichloropropene
Concen: 46.758 ug/l
RT: 5.75 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

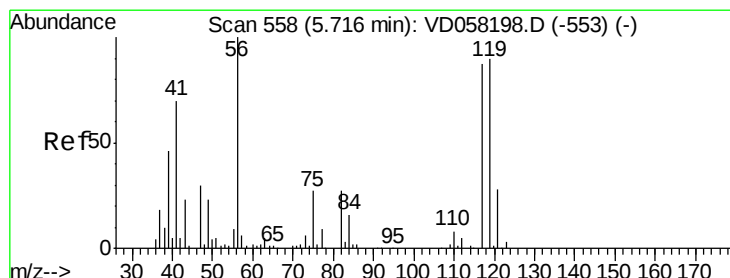
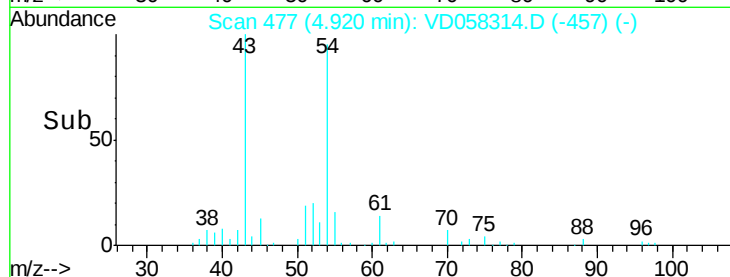
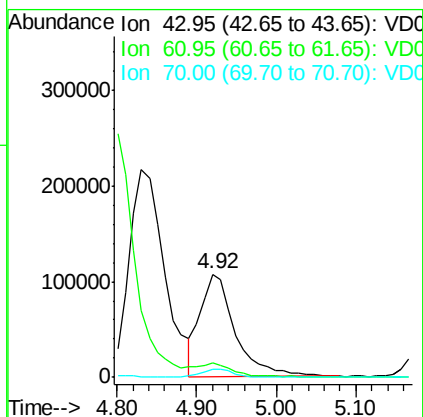
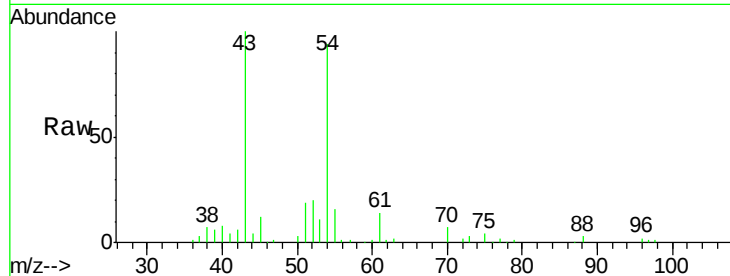




#37
Ethyl Acetate
Concen: 47.510 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

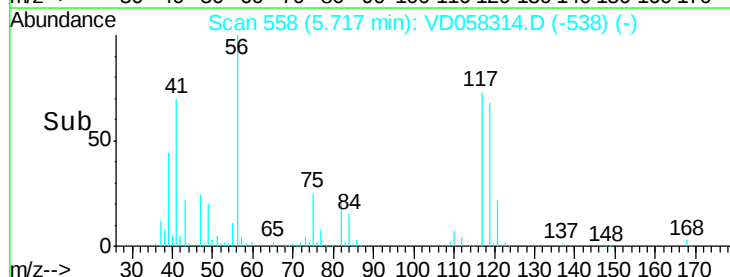
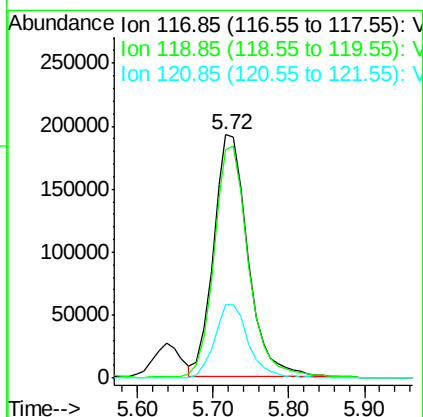
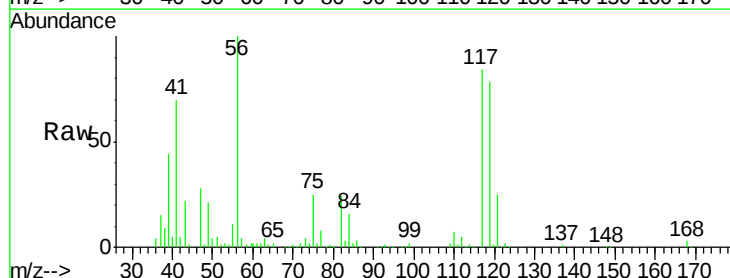
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

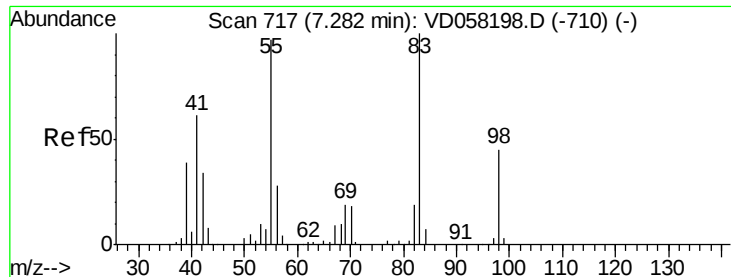
Tot Ion: 43 Resp: 321850
Ion Ratio Lower Upper
43 100
61 13.5 10.3 15.5
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 51.198 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

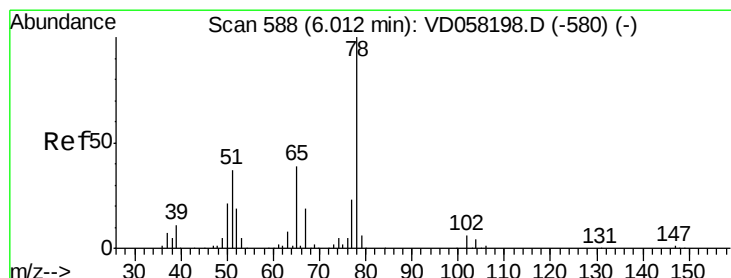
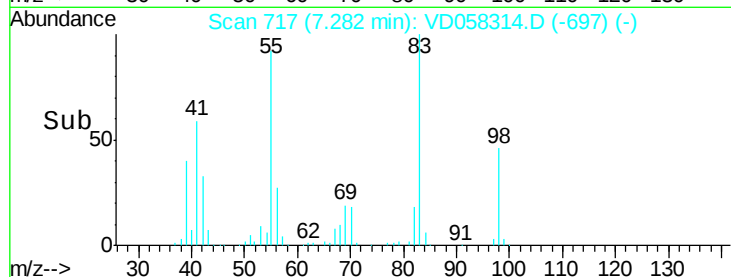
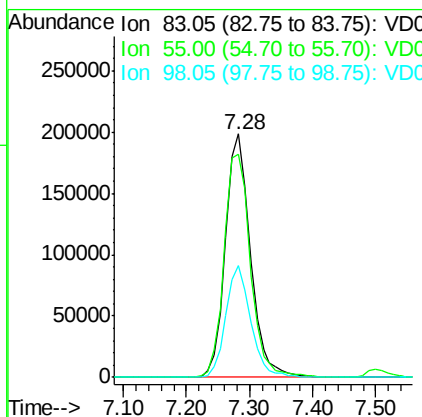
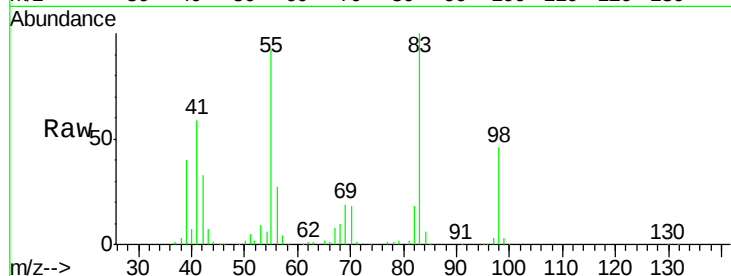




#39
Methvlcvclohexane
Concen: 47.174 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

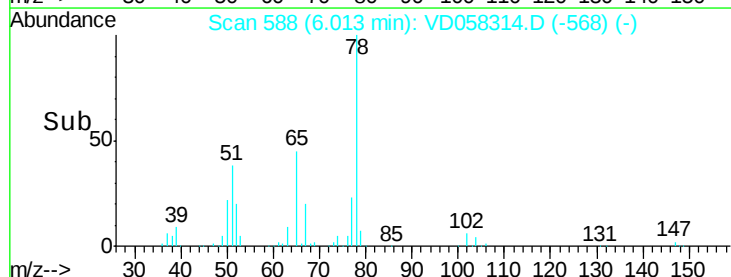
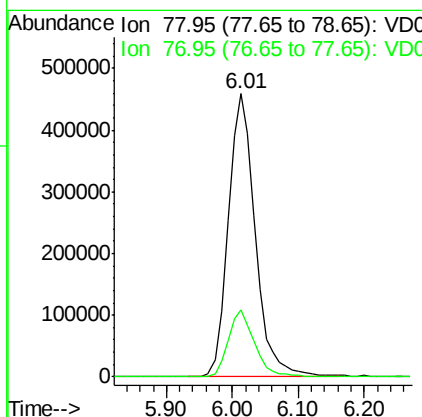
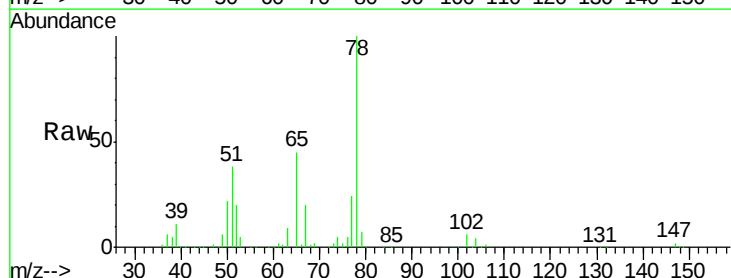
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

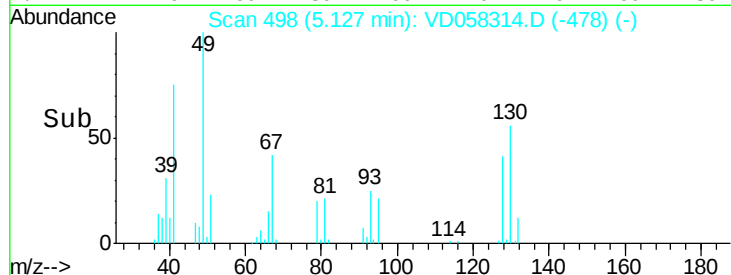
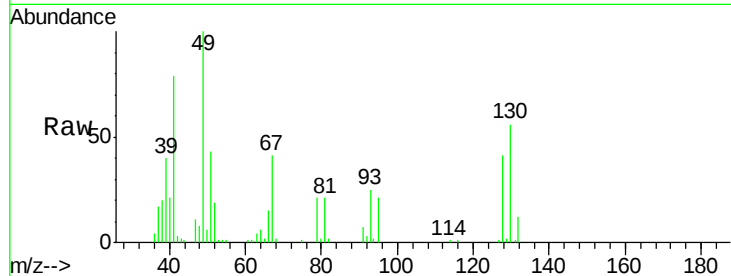
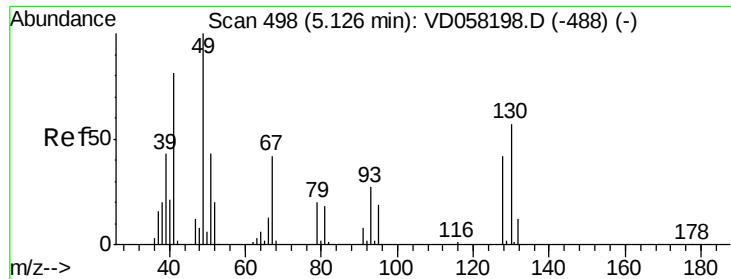
Tot Ion: 83 Resp: 546315
Ion Ratio Lower Upper
83 100
55 91.6 77.4 116.2
98 45.8 35.9 53.9



#40
Benzene
Concen: 46.438 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: 50.344 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

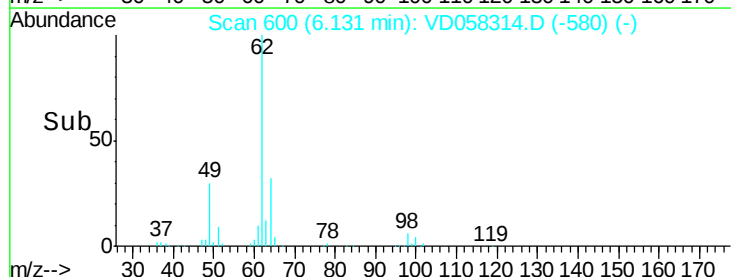
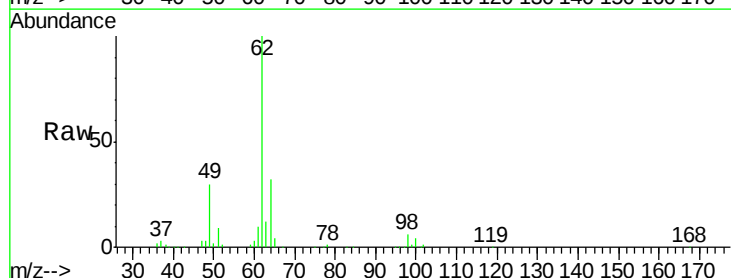
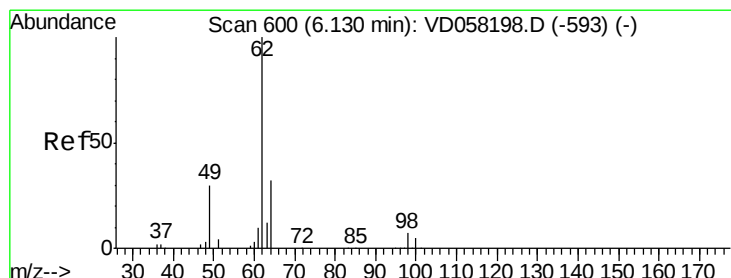
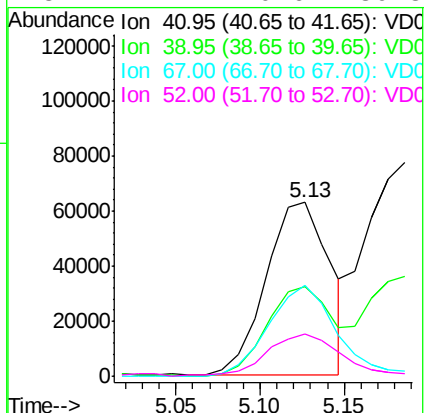
Ion Ratio Lower Upper

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: 52.659 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD058314.D

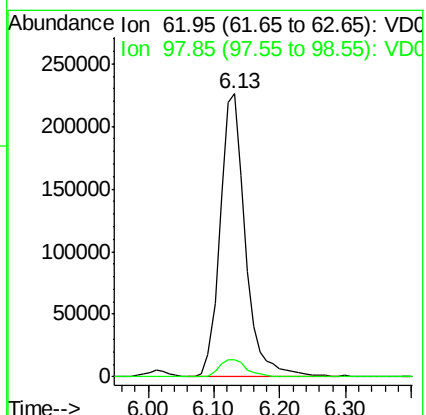
Acq: 22 Jun 2018 23:34

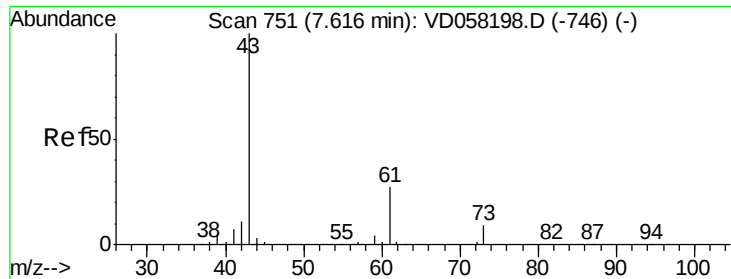
Tgt Ion: 62 Resp: 601383

Ion Ratio Lower Upper

62 100

98 6.2 0.0 13.2





#43

Isopropyl Acetate

Concen: 50.442 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

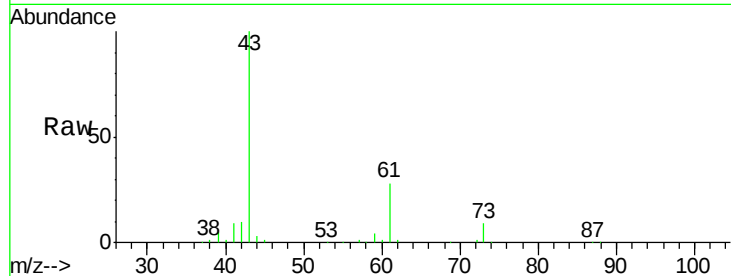
Tot Ion: 43 Resp: 455578

Ion Ratio Lower Upper

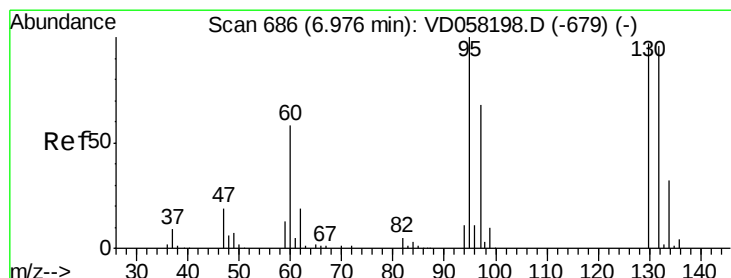
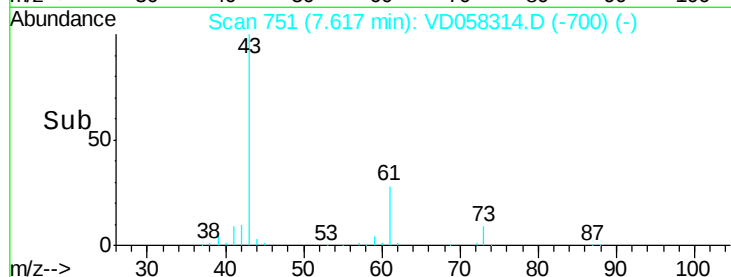
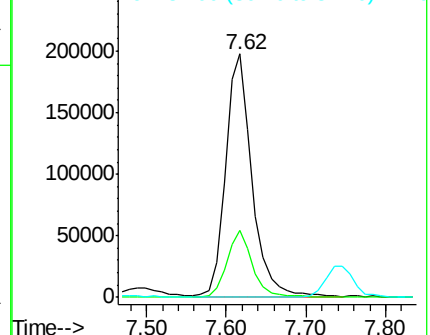
43 100

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: 49.857 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058314.D

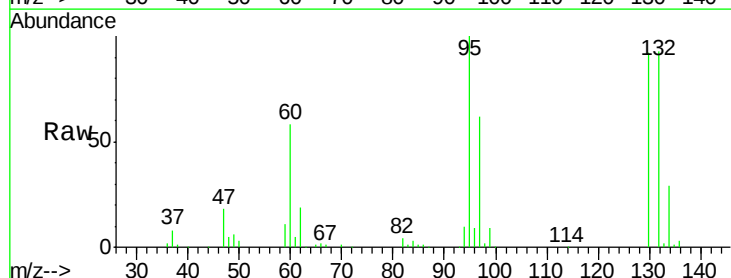
Acq: 22 Jun 2018 23:34

Tgt Ion: 130 Resp: 424020

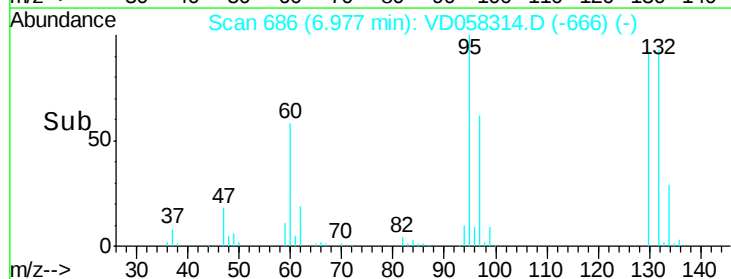
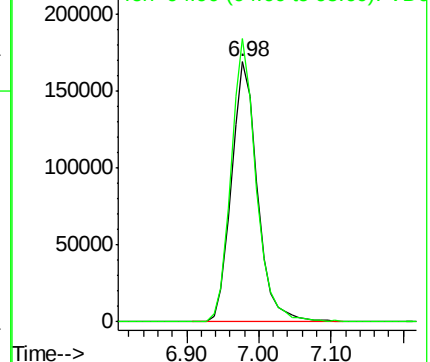
Ion Ratio Lower Upper

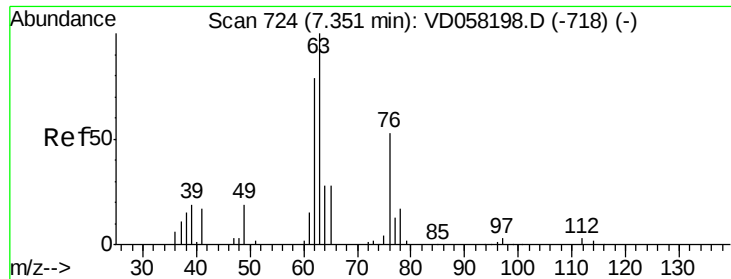
130 100

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: 51.737 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 :

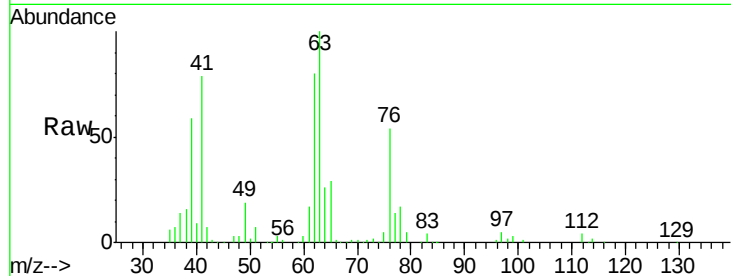
VSTDCCC050EC

Tot Ion: 63 Resp: 394637

Ion Ratio Lower Upper

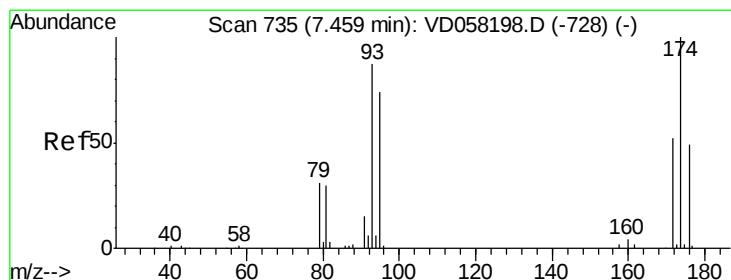
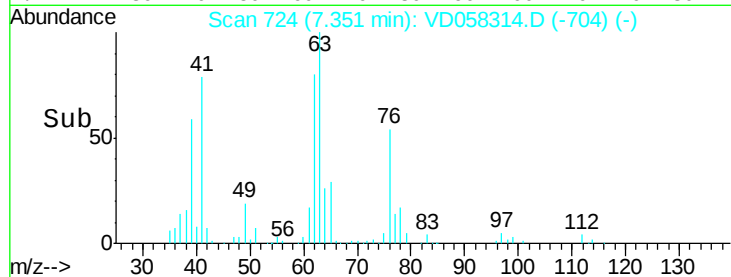
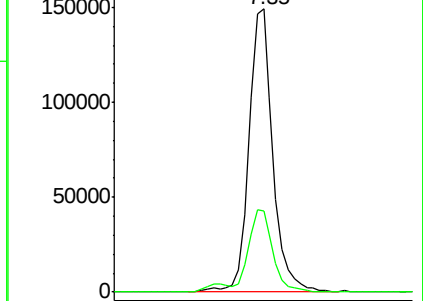
63 100

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: 49.770 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

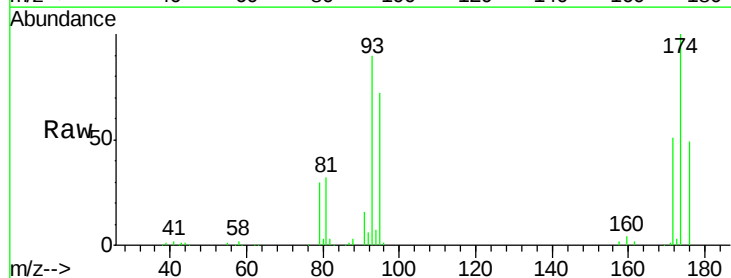
Tgt Ion: 93 Resp: 259162

Ion Ratio Lower Upper

93 100

95 80.6 67.8 101.6

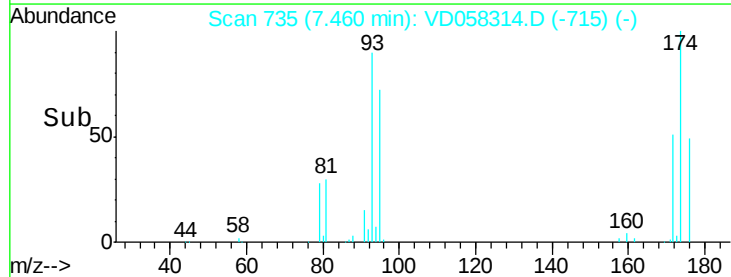
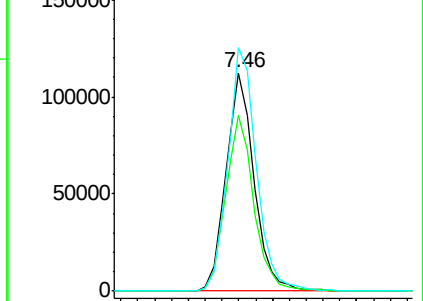
174 111.4 92.2 138.2

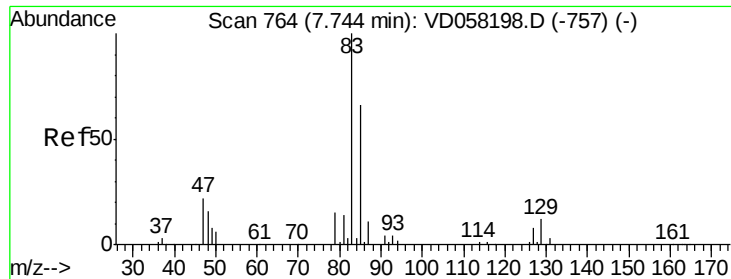


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.757 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

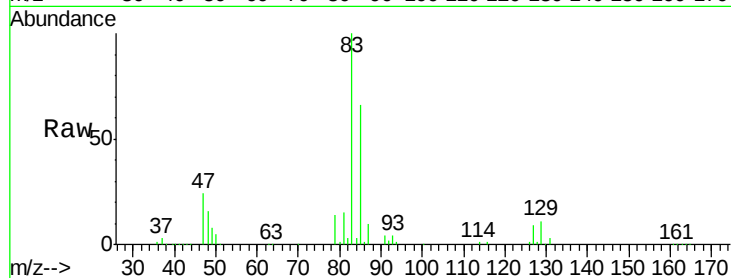
Tot Ion: 83 Resp: 626455

Ion Ratio Lower Upper

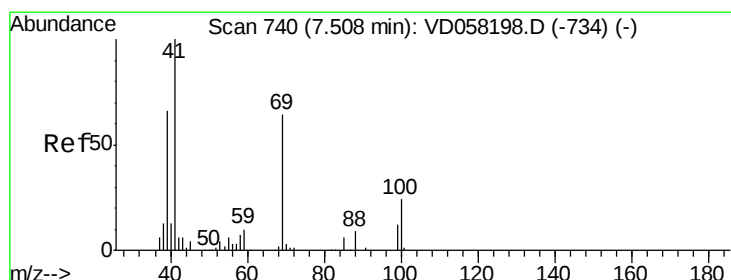
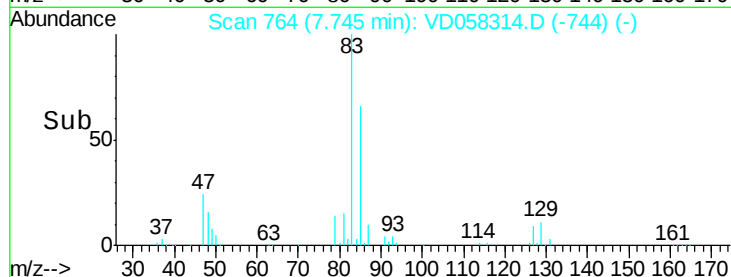
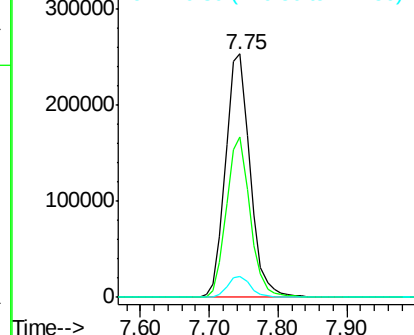
83 100

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): V



#48

Methyl methacrylate

Concen: 51.577 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

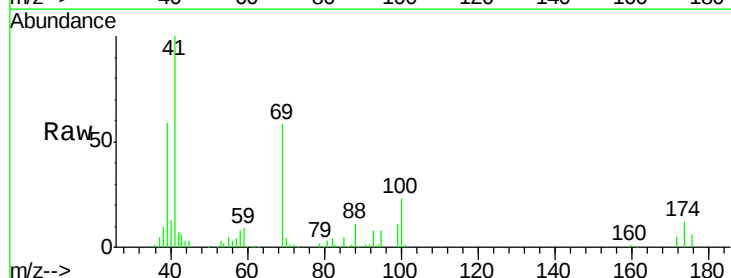
Tgt Ion: 41 Resp: 283118

Ion Ratio Lower Upper

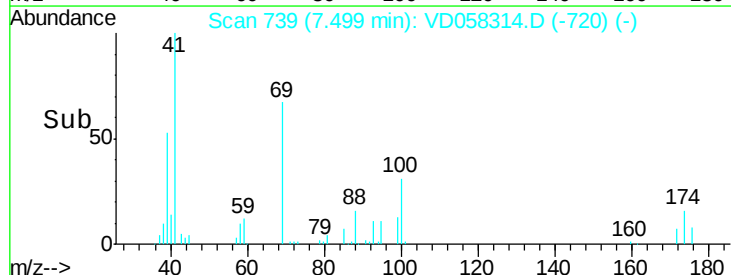
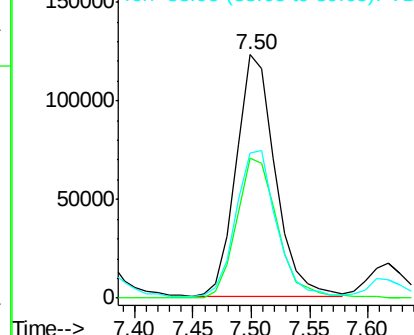
41 100

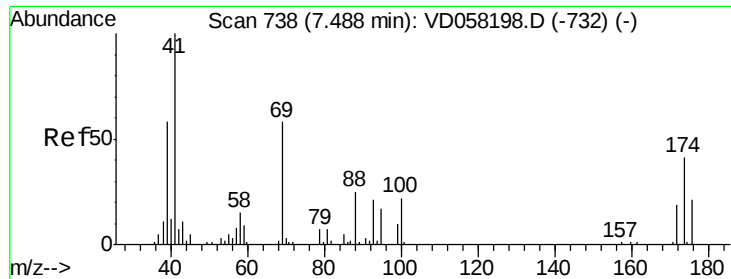
69 57.6 50.7 76.1

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: 1079.359 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

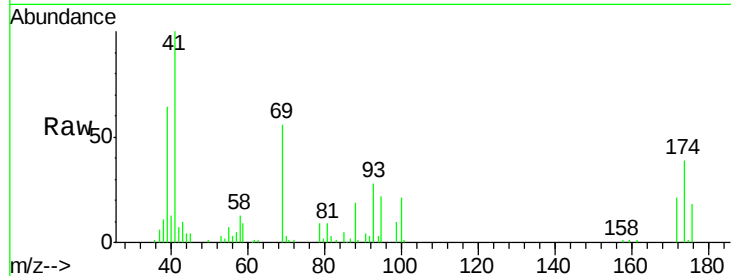
Tot Ion: 88 Resp: 53482

Ion Ratio Lower Upper

88 100

43 55.6 34.2 51.2#

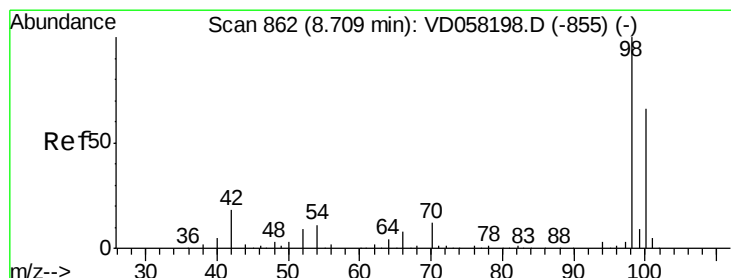
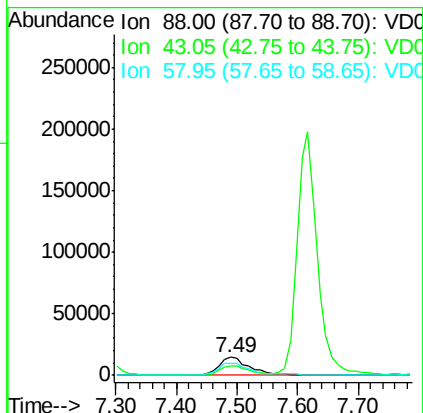
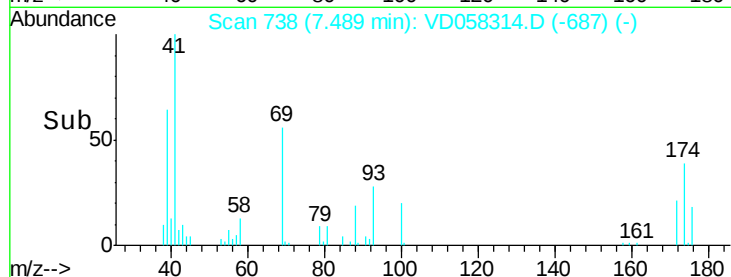
58 69.1 47.9 71.9



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: 1079.359 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058314.D

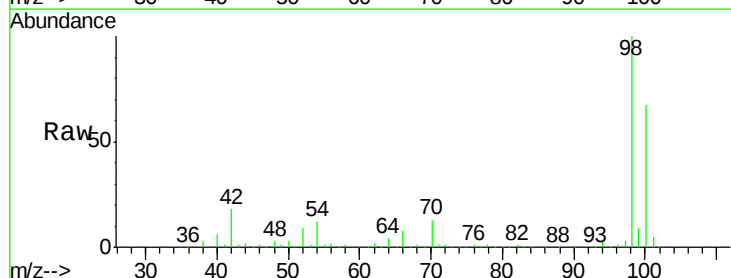
Acq: 22 Jun 2018 23:34

Tgt Ion: 98 Resp: 1253443

Ion Ratio Lower Upper

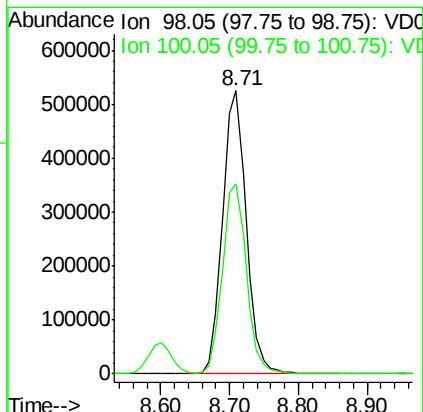
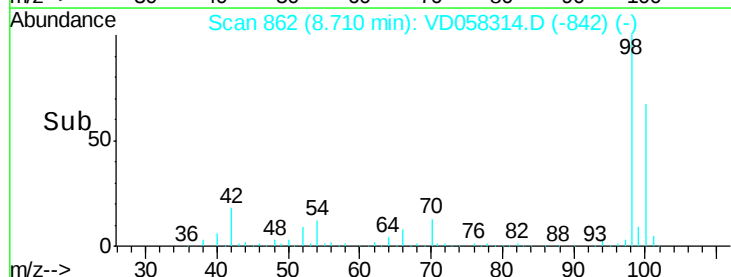
98 100

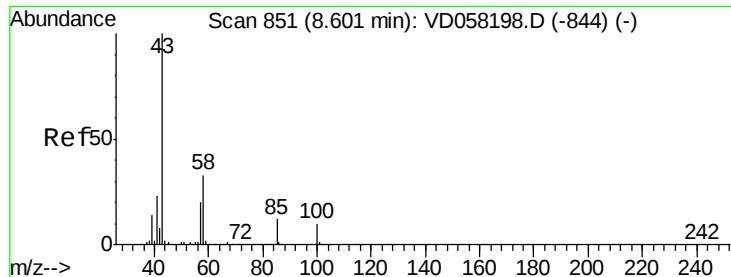
100 67.2 53.6 80.4



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: 249.477 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 :

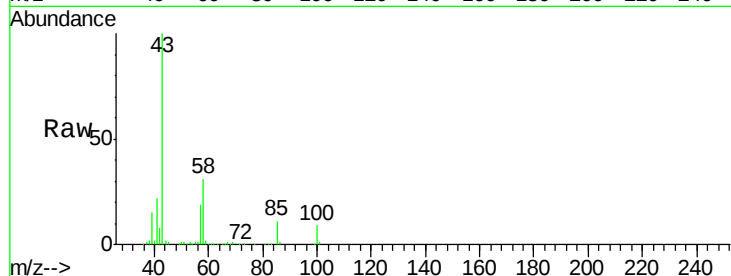
VSTDCCC050EC

Tot Ion: 43 Resp: 1469695

Ion Ratio Lower Upper

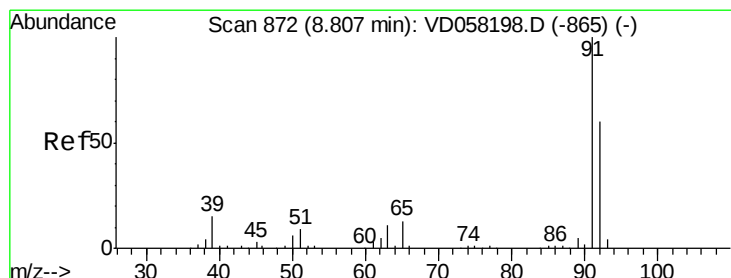
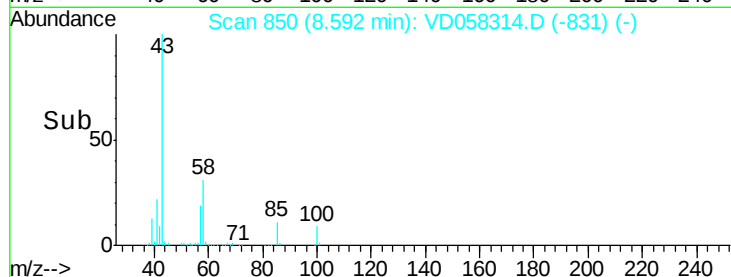
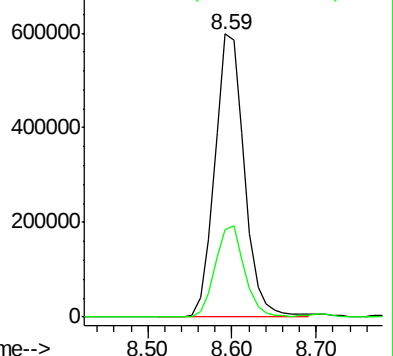
43 100

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: 48.992 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058314.D

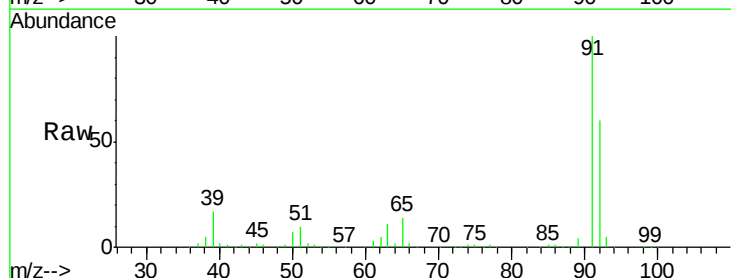
Acq: 22 Jun 2018 23:34

Tgt Ion: 92 Resp: 790121

Ion Ratio Lower Upper

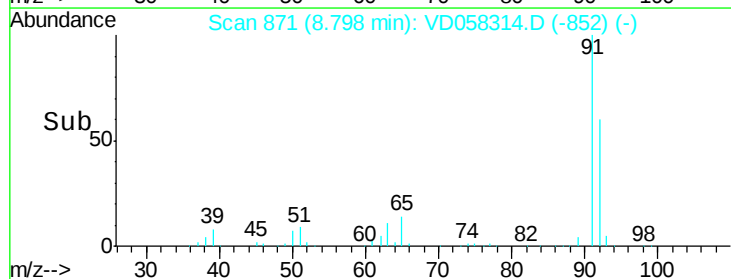
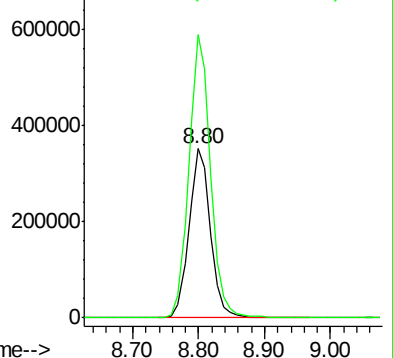
92 100

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

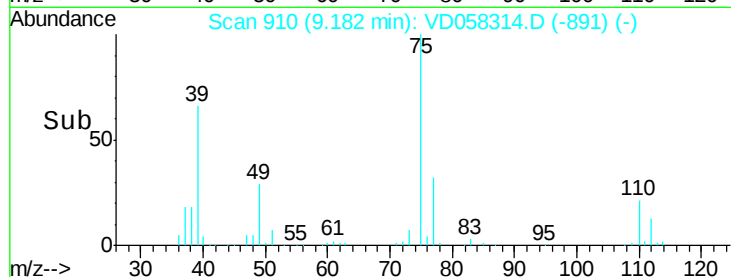
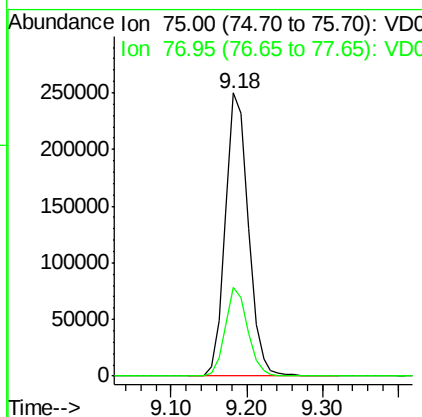
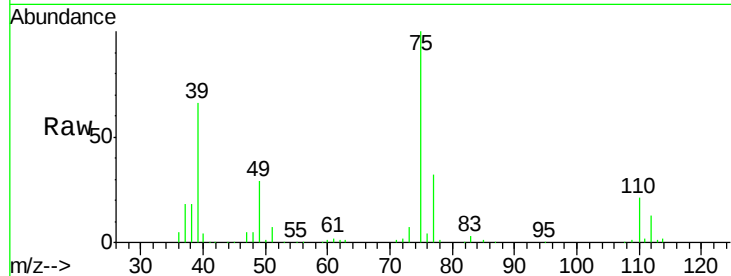




#53
 t-1,3-Dichloropropene
 Concen: 50.812 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

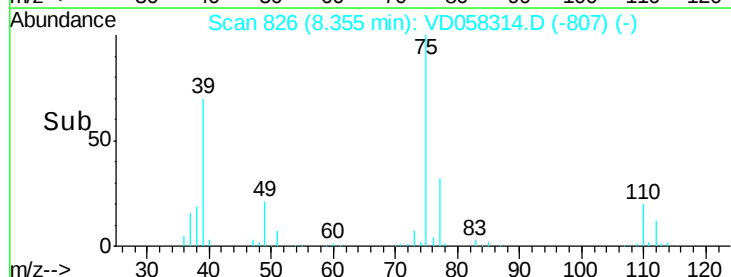
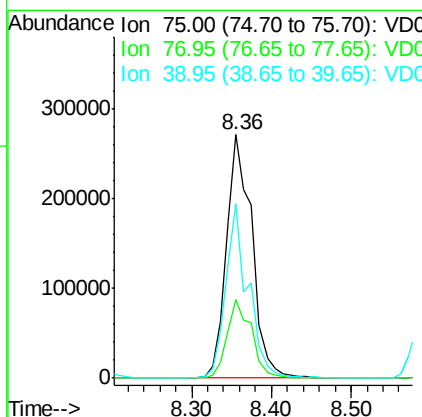
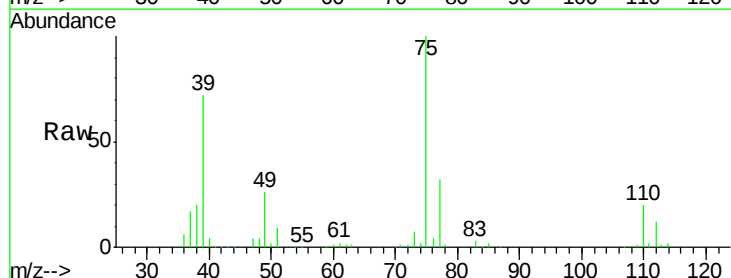
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

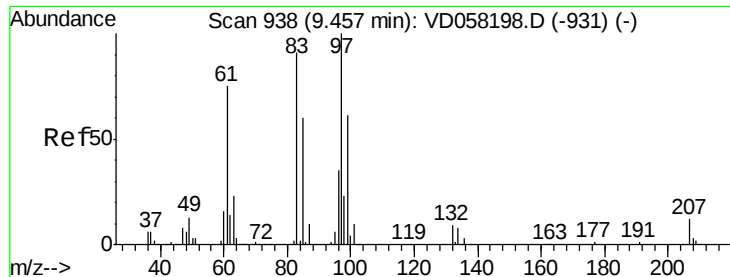
Tot Ion: 75 Resp: 524572
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.479 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: 50.962 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

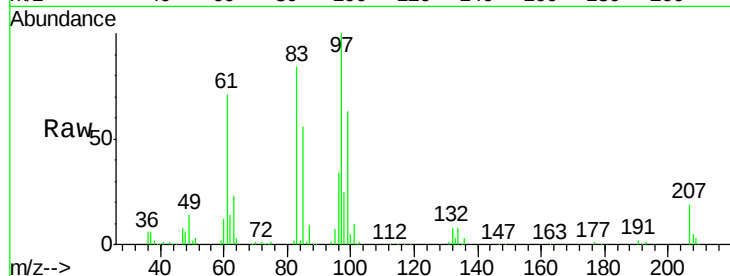
Ion Ratio Lower Upper

97 100

83 84.3 72.9 109.3

85 56.4 48.2 72.4

99 63.3 48.9 73.3

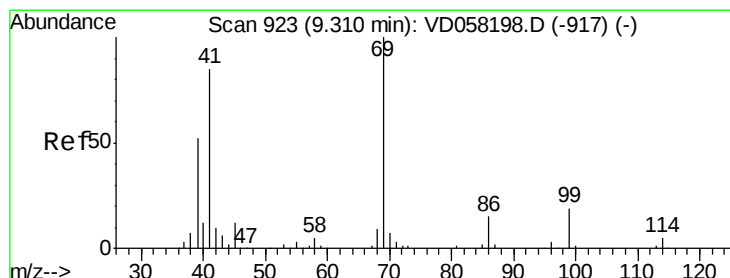
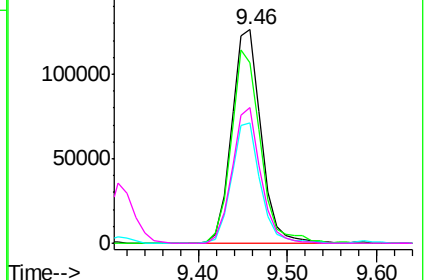
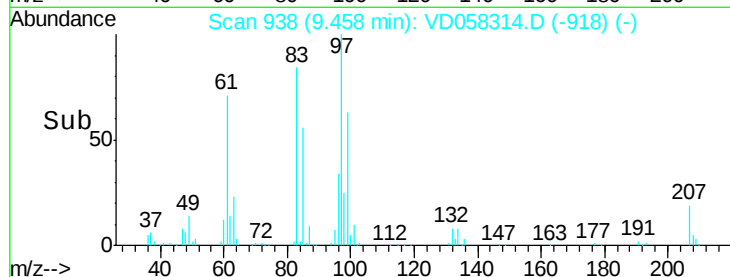


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 53.317 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

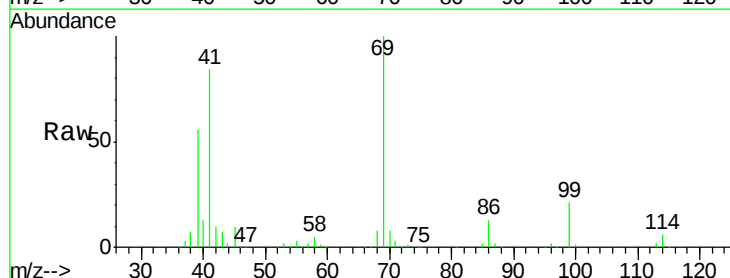
Tgt Ion: 69 Resp: 363831

Ion Ratio Lower Upper

69 100

41 84.2 67.6 101.4

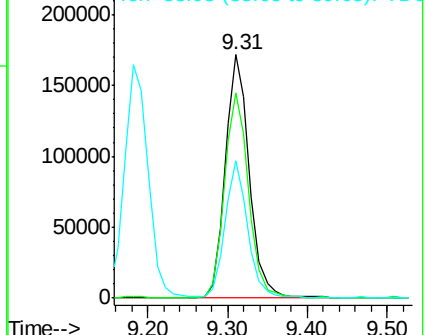
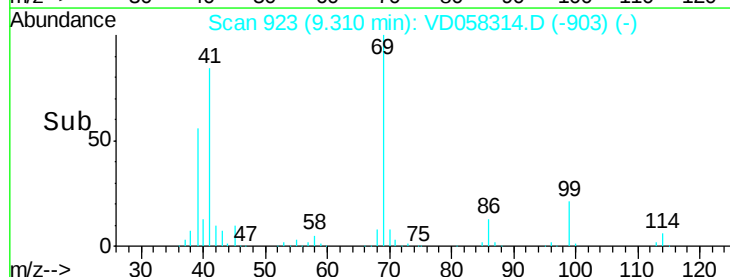
39 56.2 42.2 63.2

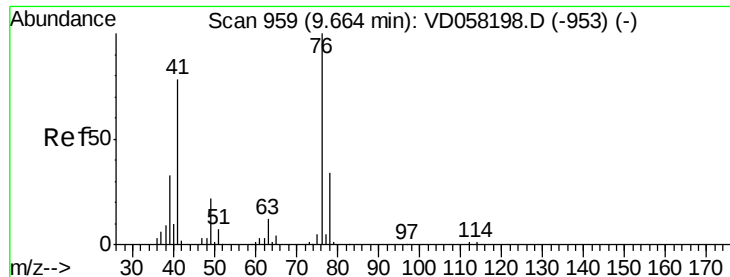


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.632 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 :

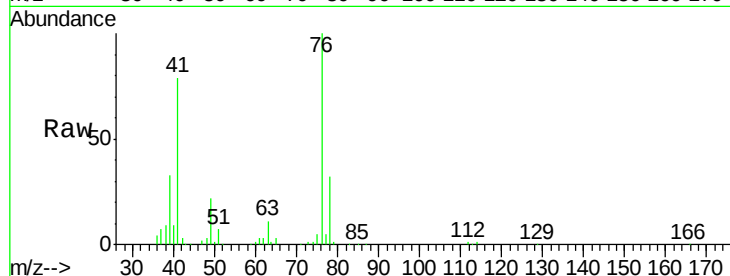
VSTDCCC050EC

Tot Ion: 76 Resp: 486649

Ion Ratio Lower Upper

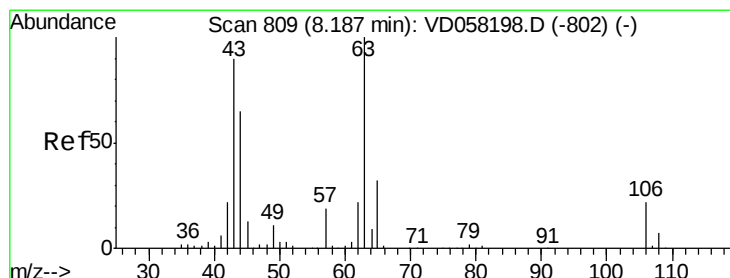
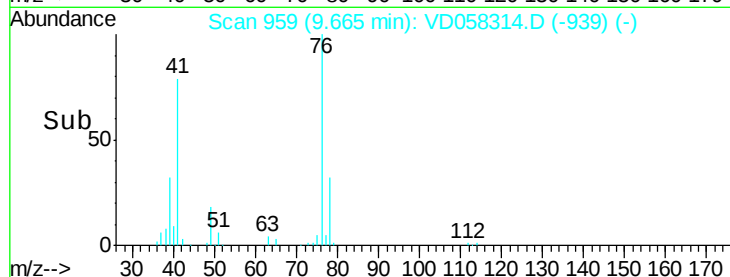
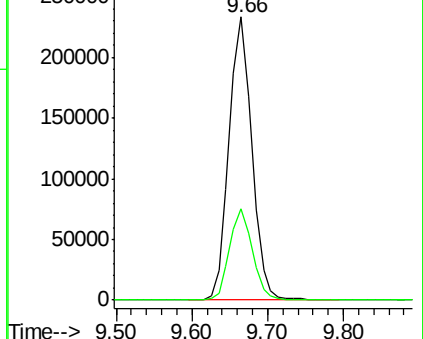
76 100

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: 244.654 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058314.D

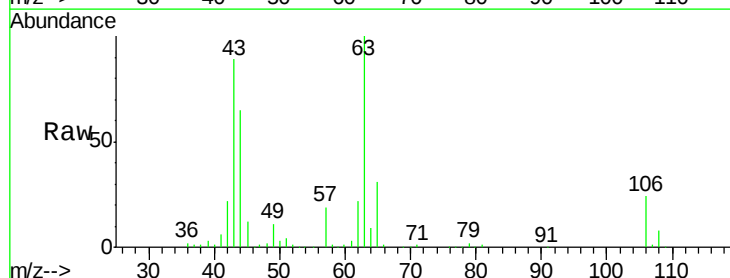
Acq: 22 Jun 2018 23:34

Tgt Ion: 63 Resp: 826491

Ion Ratio Lower Upper

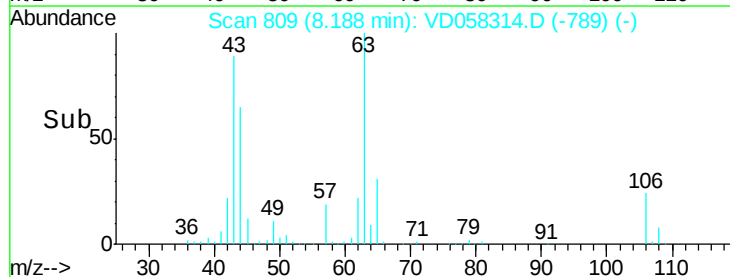
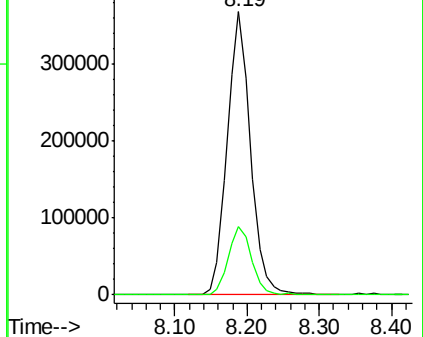
63 100

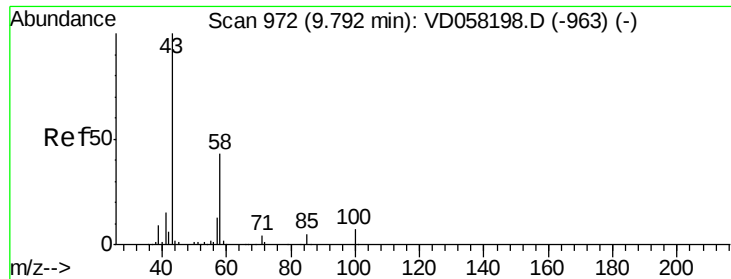
106 24.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

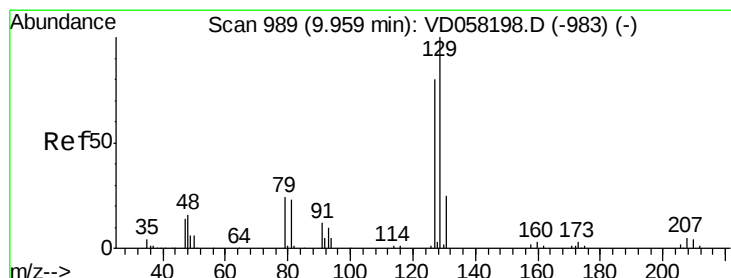
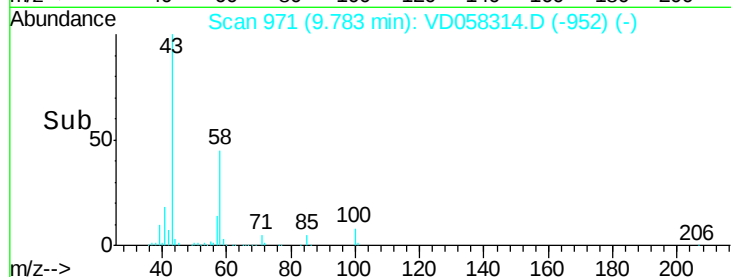
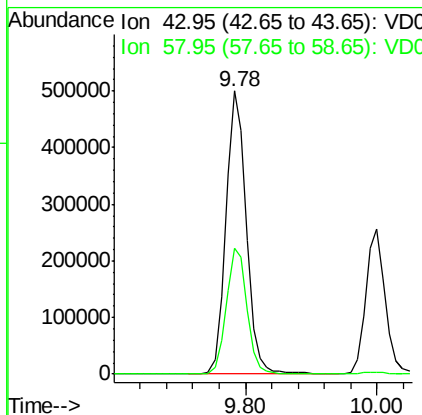
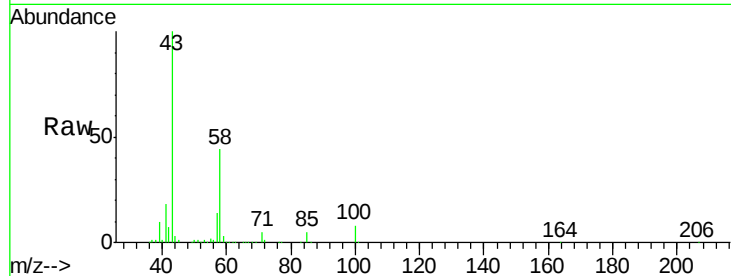




#59
2-Hexanone
Concen: 254.605 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

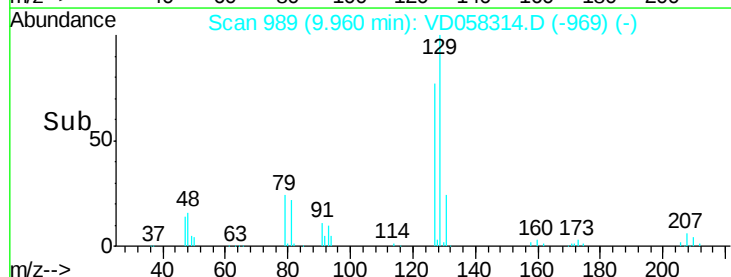
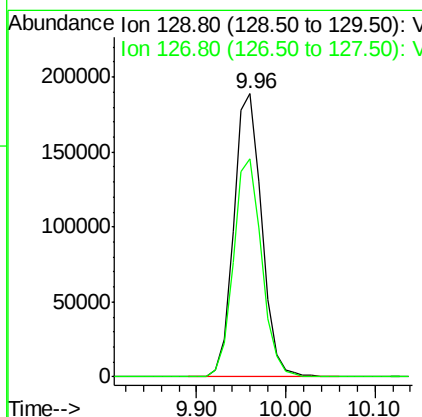
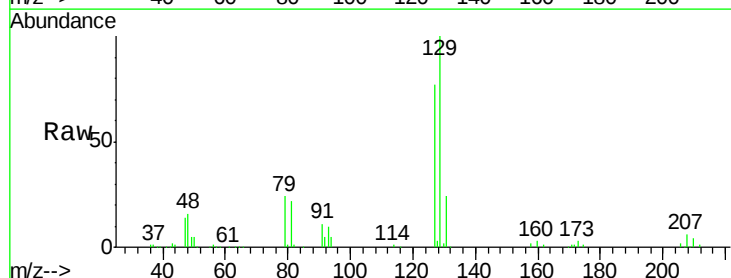
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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



#60
Dibromochloromethane
Concen: 53.466 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: 54.382 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 :

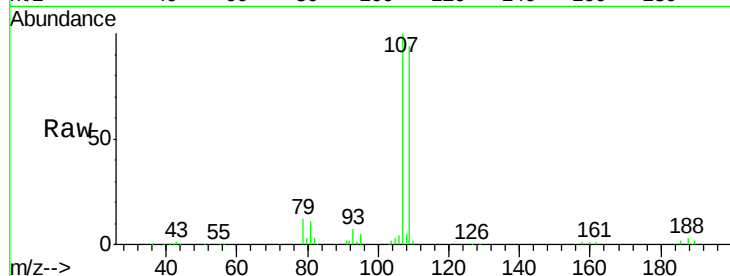
VSTDCCC050EC

Tot Ion:107 Resp: 339618

Ion Ratio Lower Upper

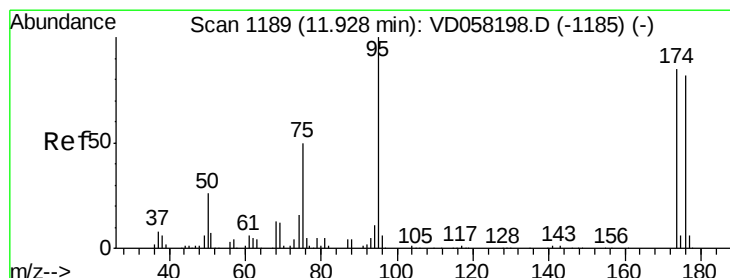
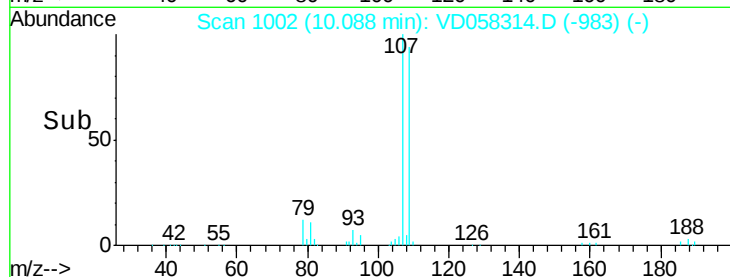
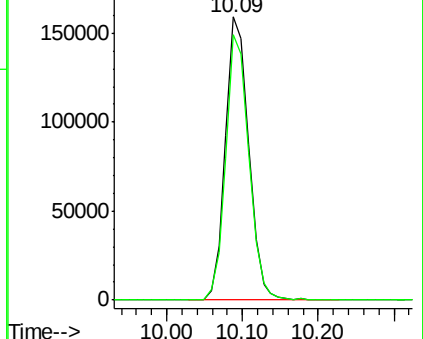
107 100

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: 54.382 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

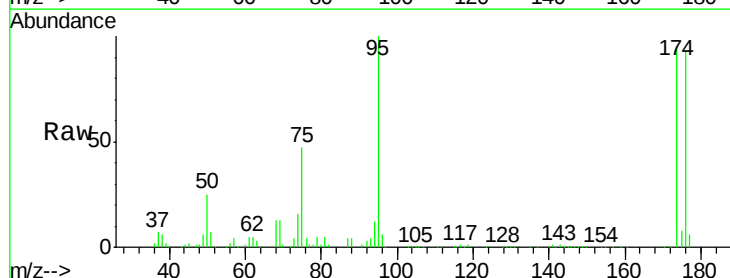
Tgt Ion: 95 Resp: 538562

Ion Ratio Lower Upper

95 100

174 95.4 0.0 170.2

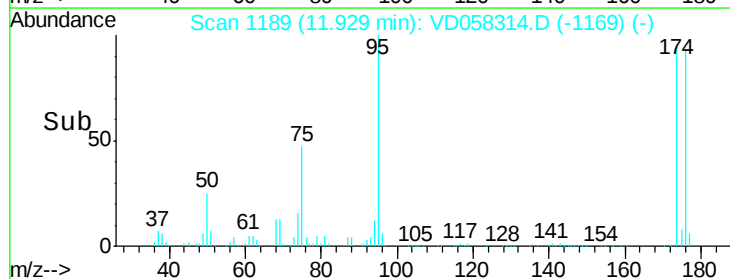
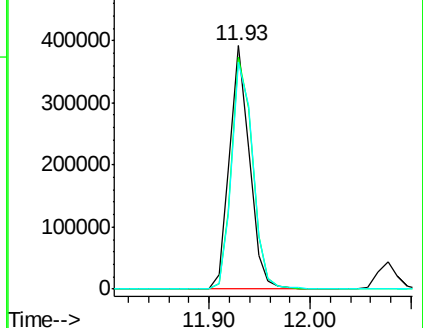
176 93.5 0.0 164.6

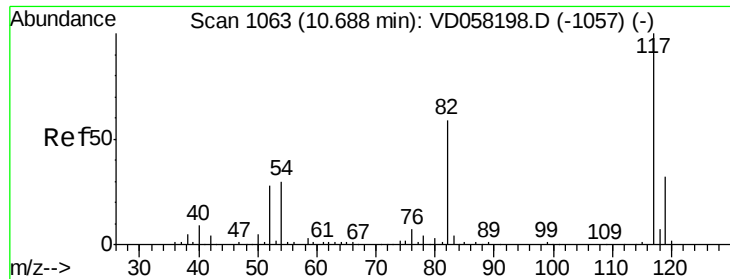


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

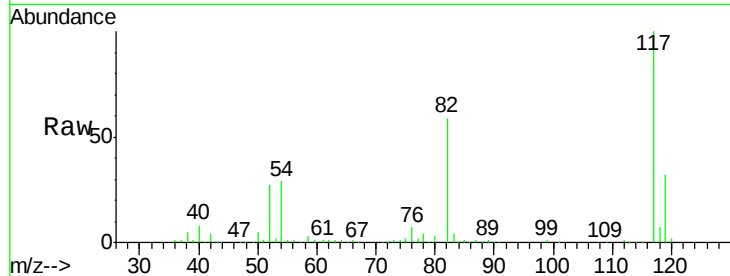




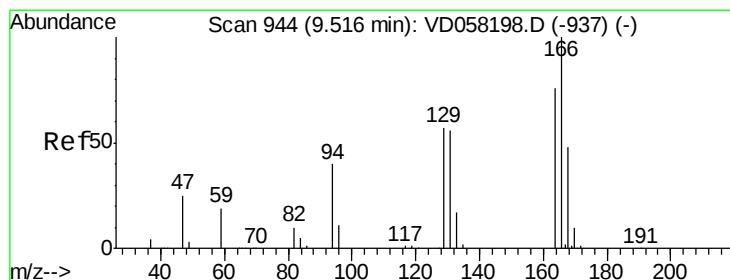
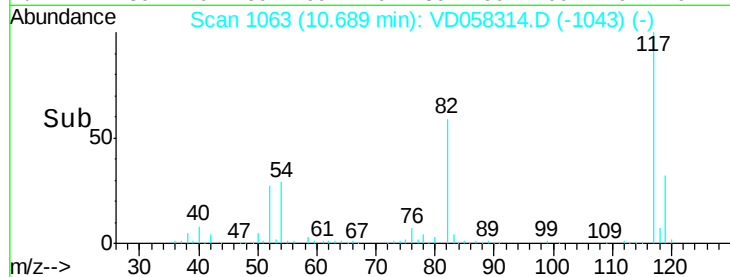
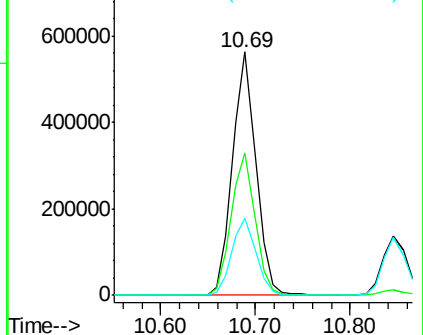
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

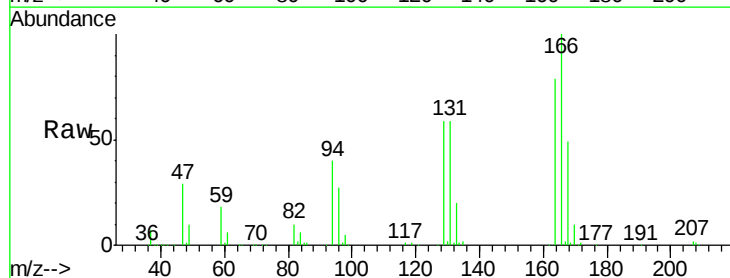


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

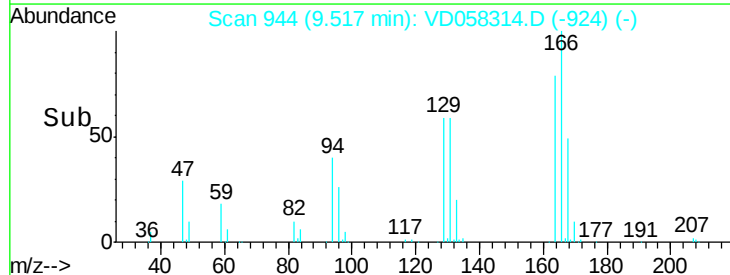
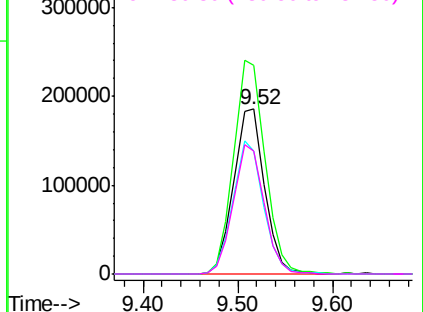


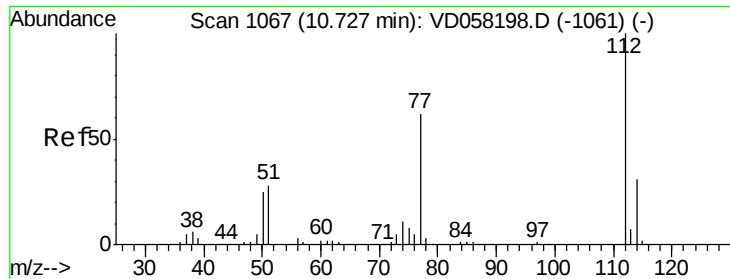
#64
Tetrachloroethene
Concen: 51.545 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

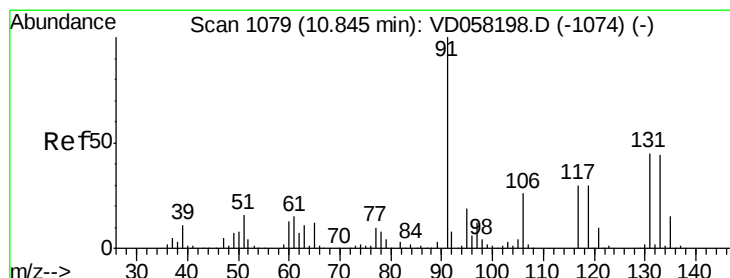
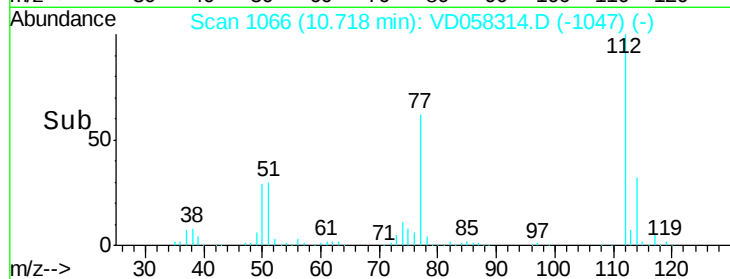
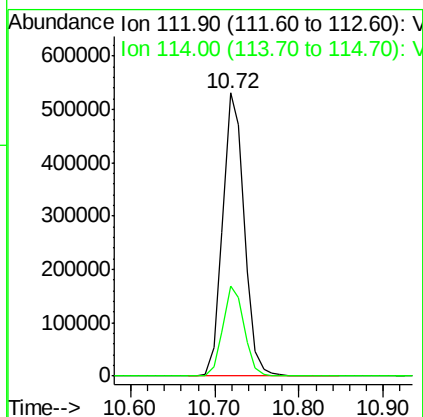
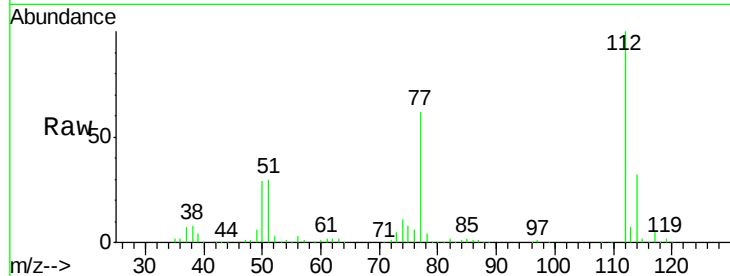




#65
Chlorobenzene
Concen: 51.742 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

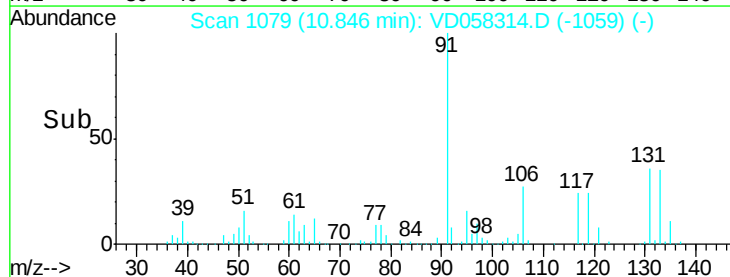
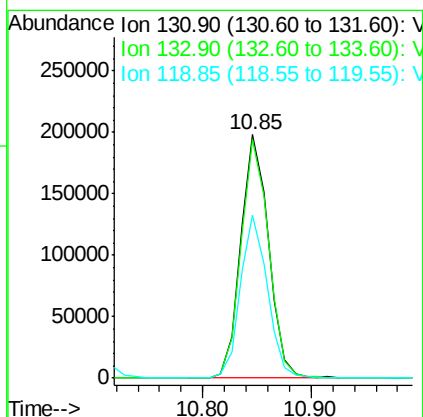
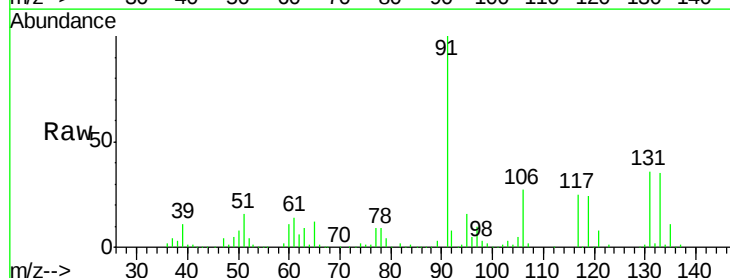
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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: 50.205 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

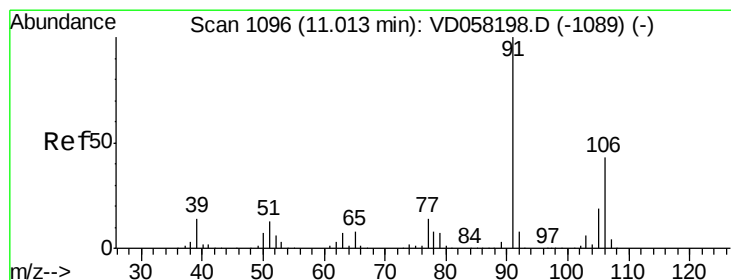
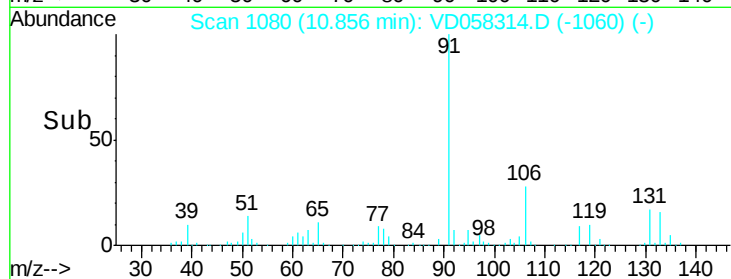
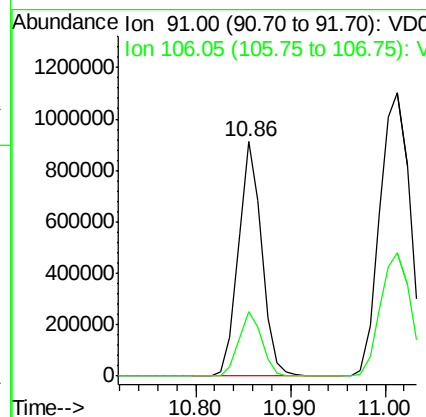
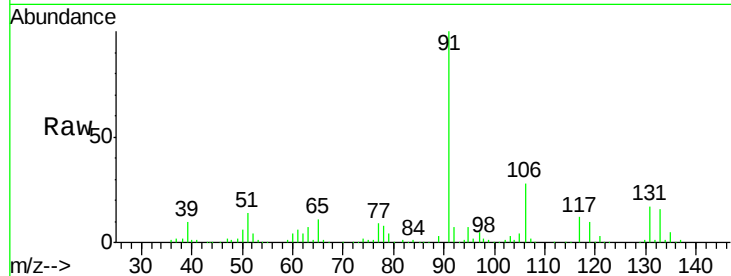




#67
Ethyl Benzene
Concen: 48.379 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

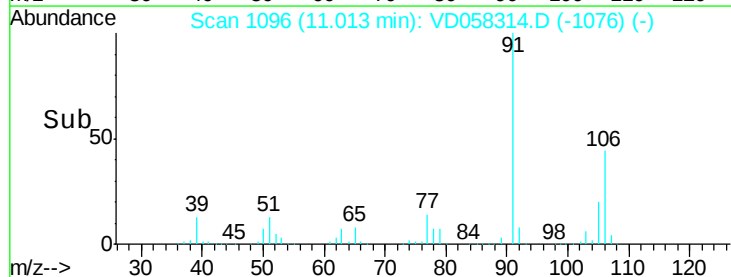
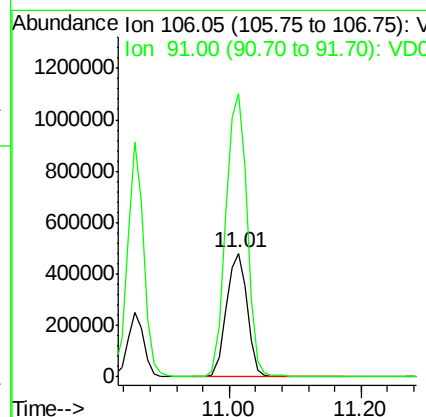
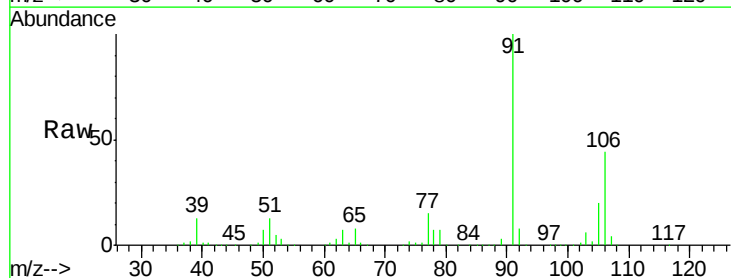
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

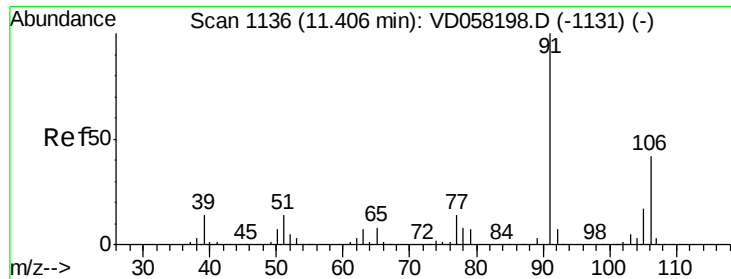
Tot Ion: 91 Resp: 1557654
Ion Ratio Lower Upper
91 100
106 27.7 22.0 33.0



#68
m/p-Xylenes
Concen: 98.439 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

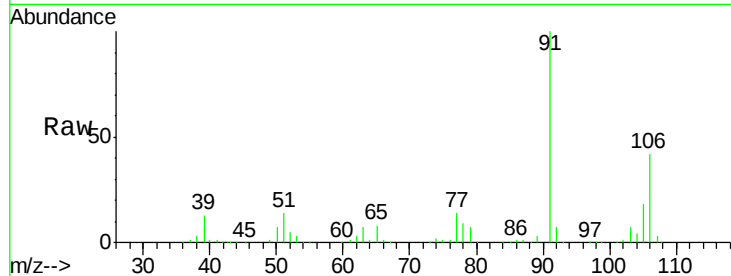




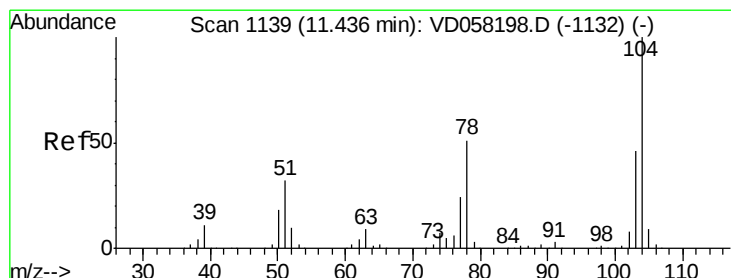
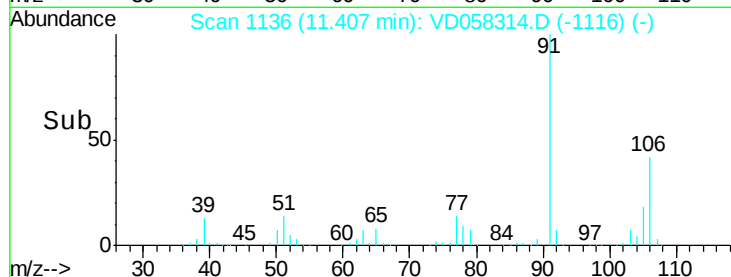
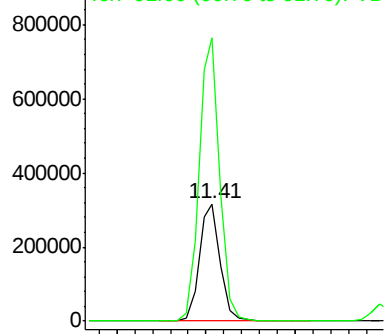
#69
o-Xylene
Concen: 50.686 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

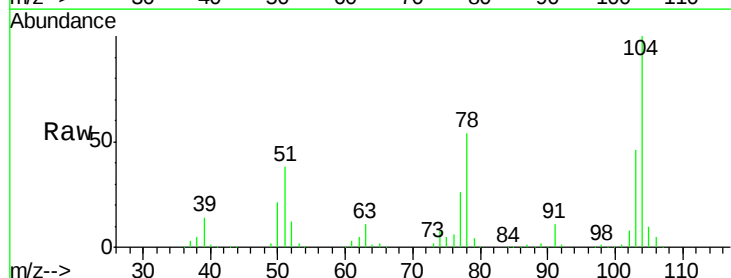


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

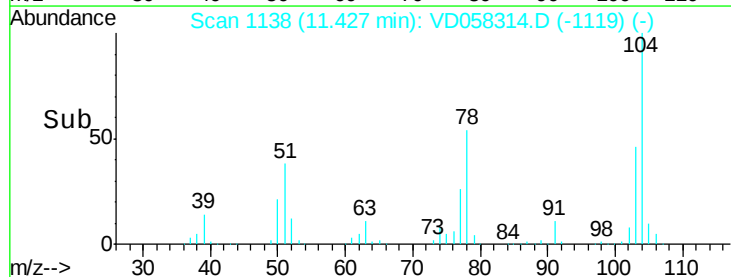
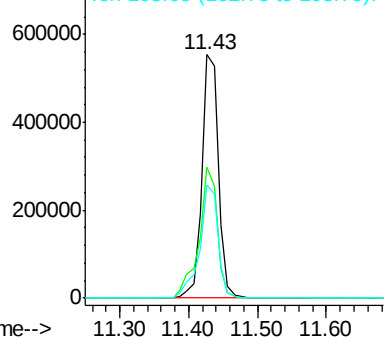


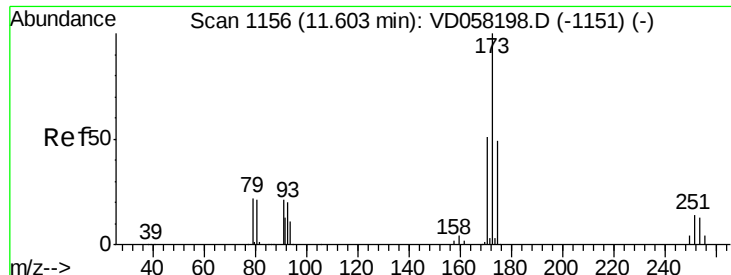
#70
Styrene
Concen: 52.042 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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: 54.241 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

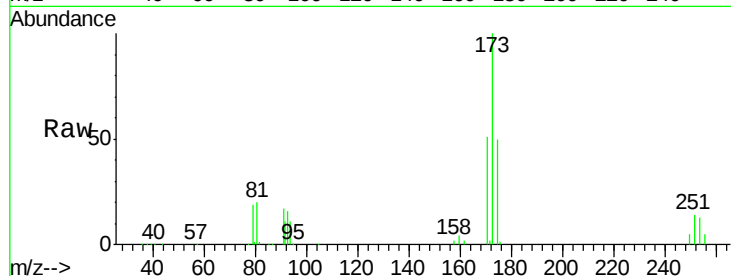
Tot Ion:173 Resp: 304529

Ion Ratio Lower Upper

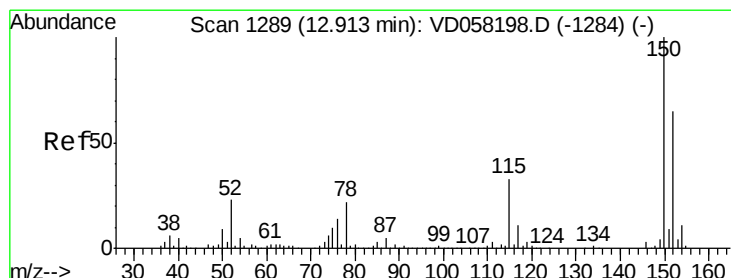
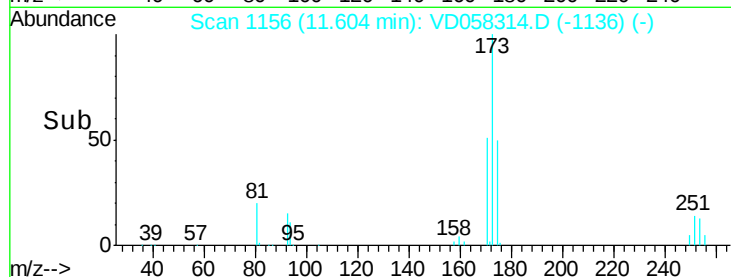
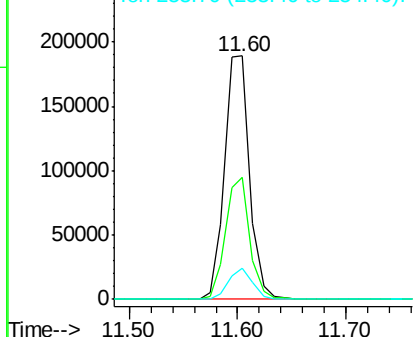
173 100

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: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058314.D

Acq: 22 Jun 2018 23:34

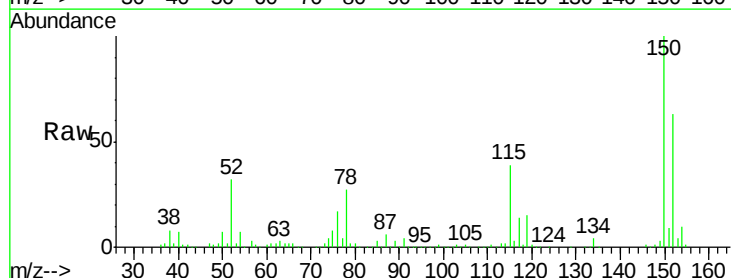
Tgt Ion:152 Resp: 492971

Ion Ratio Lower Upper

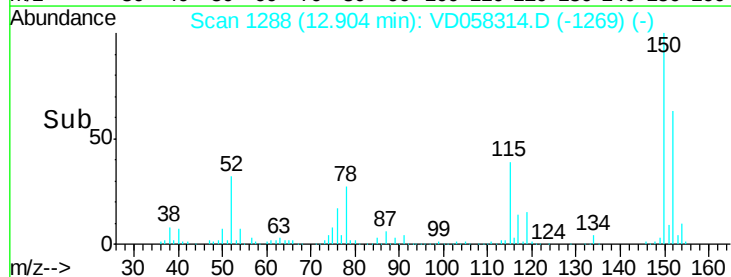
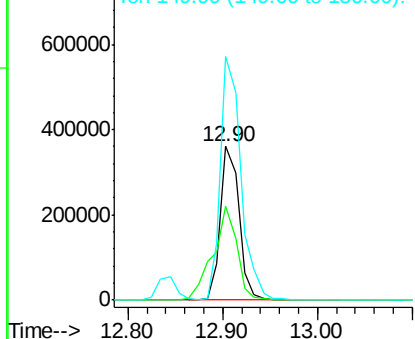
152 100

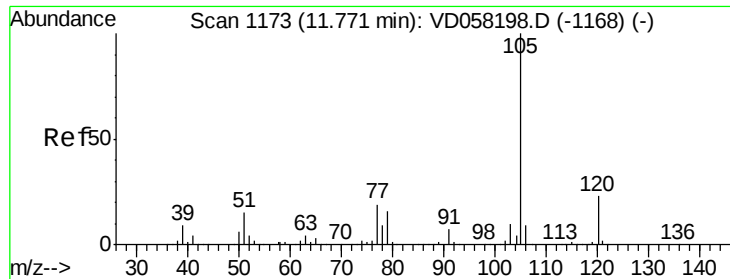
115 61.1 25.1 75.3

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: 50.963 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 :

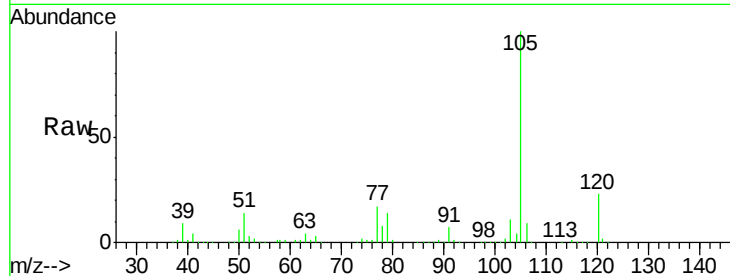
VSTDCCC050EC

Tot Ion:105 Resp: 1502737

Ion Ratio Lower Upper

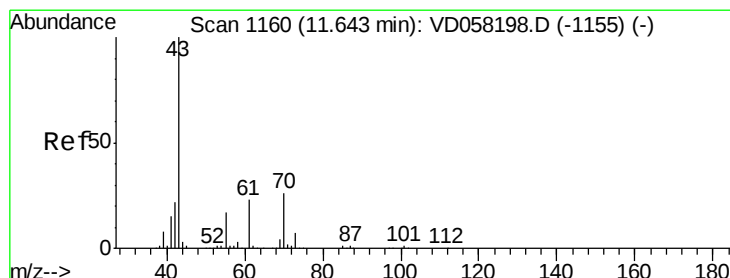
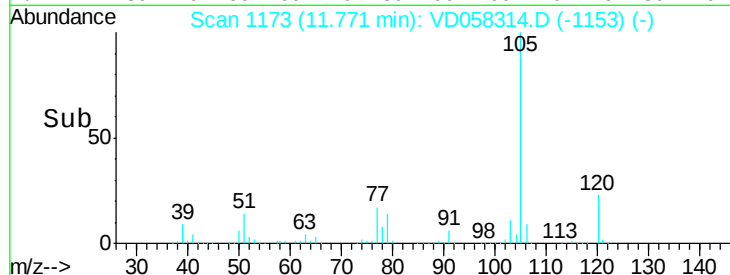
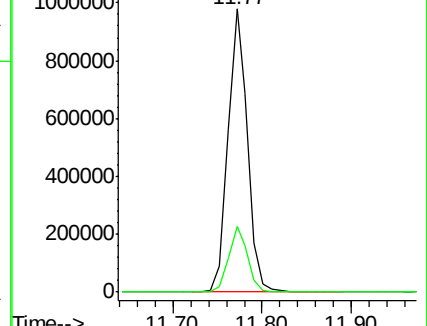
105 100

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: 52.610 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

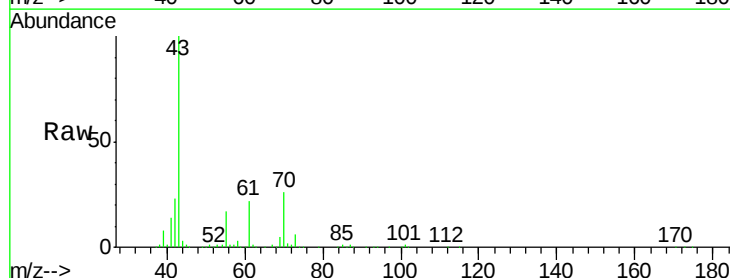
Ion Ratio Lower Upper

43 100

70 26.5 20.9 31.3

55 17.3 13.5 20.3

61 21.8 18.2 27.2

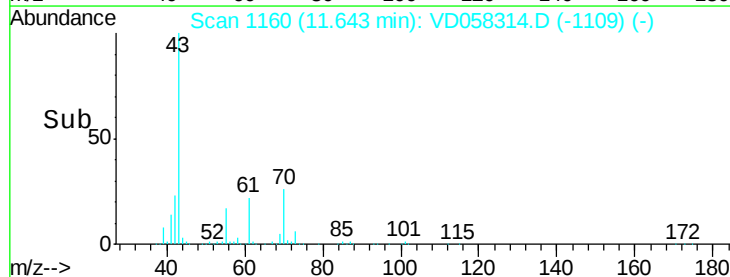
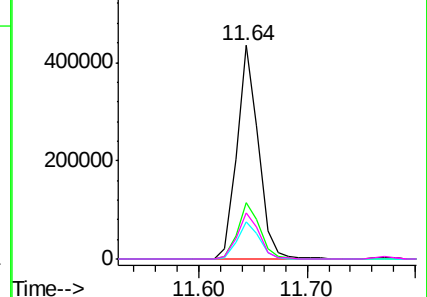


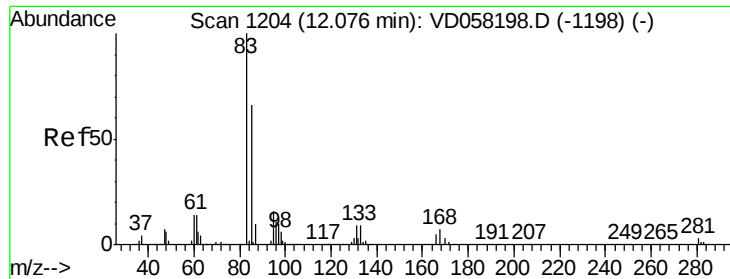
Abundance Ion 42.95 (42.65 to 43.65): V

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: 52.830 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

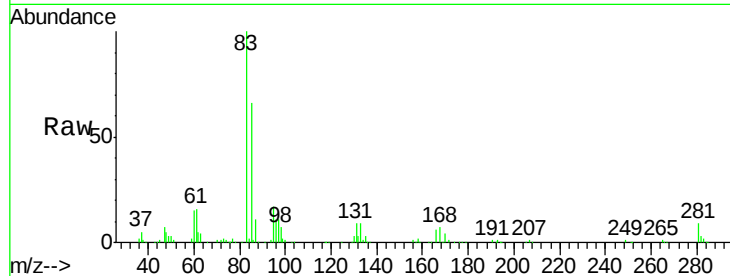
Tot Ion: 83 Resp: 362521

Ion Ratio Lower Upper

83 100

131 8.5 4.8 14.3

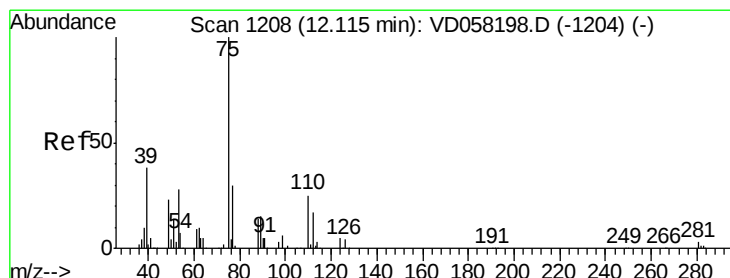
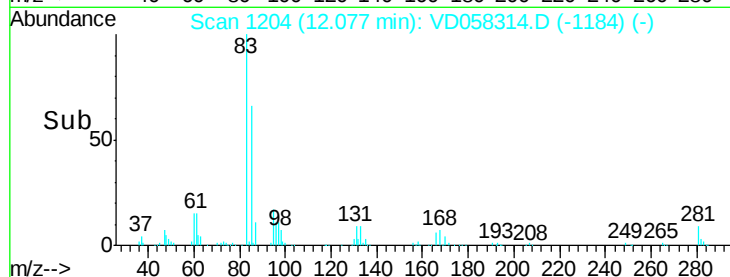
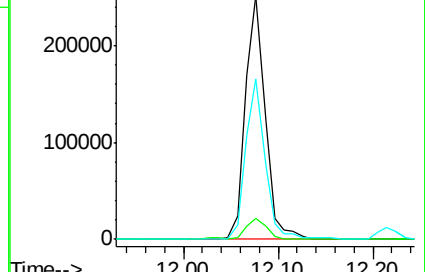
85 65.7 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.445 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058314.D

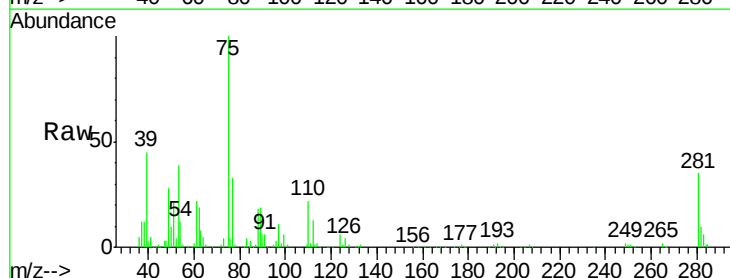
Acq: 22 Jun 2018 23:34

Tgt Ion: 75 Resp: 363080

Ion Ratio Lower Upper

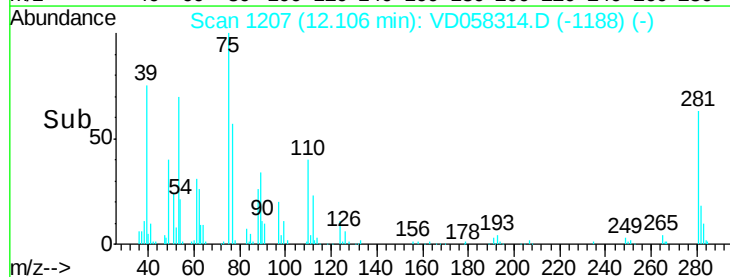
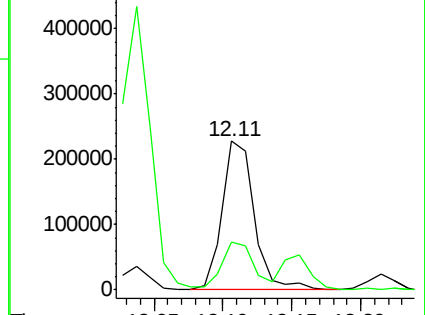
75 100

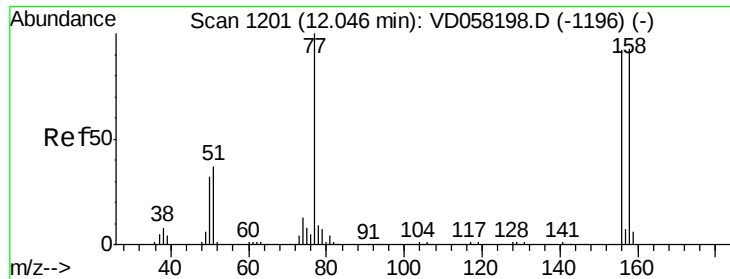
77 32.6 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

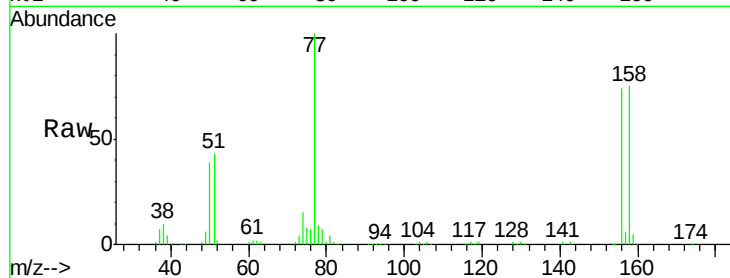




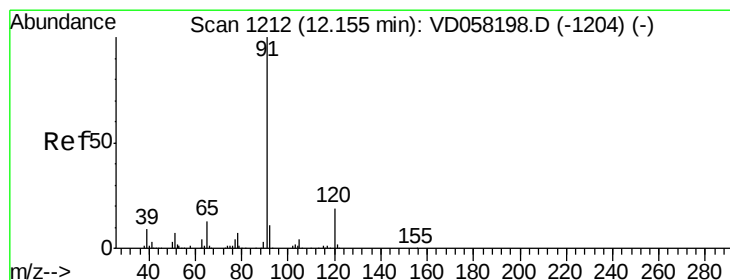
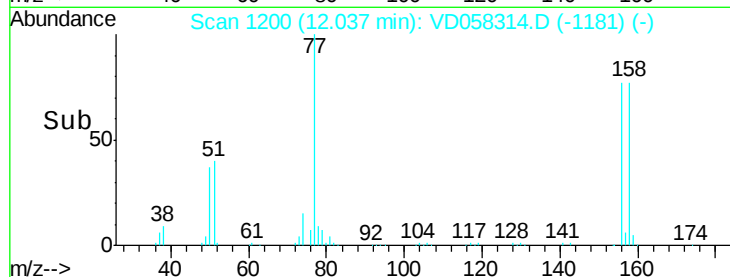
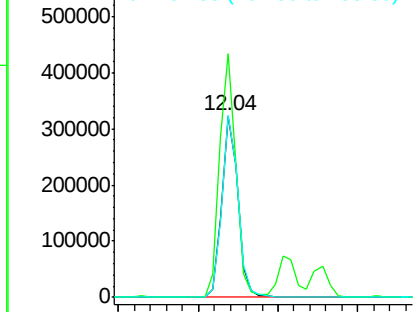
#77
Bromobenzene
Concen: 52.613 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

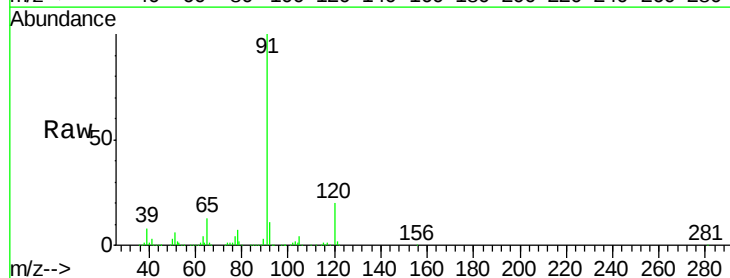


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

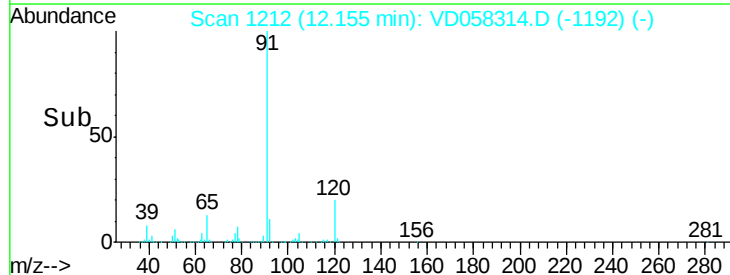
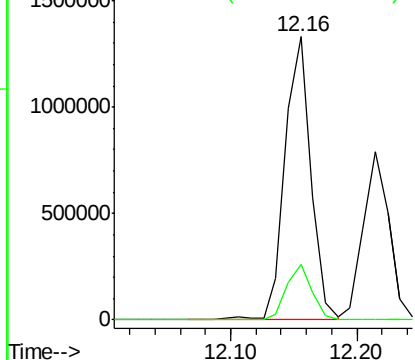


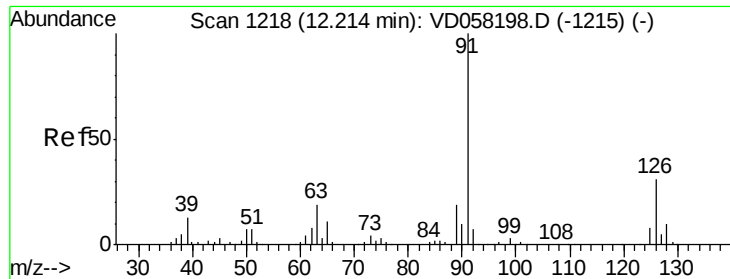
#78
n-propylbenzene
Concen: 50.092 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

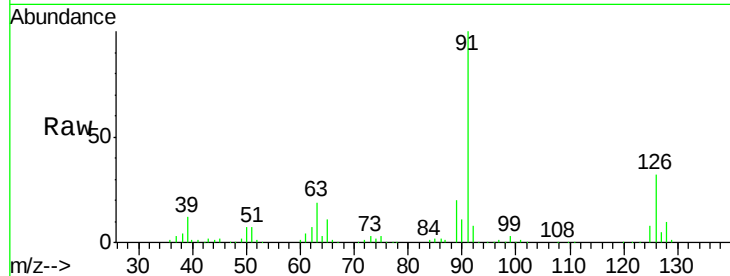




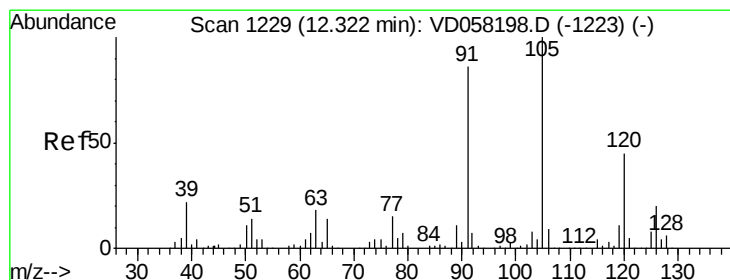
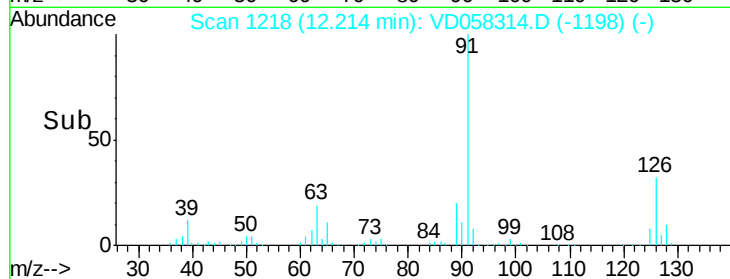
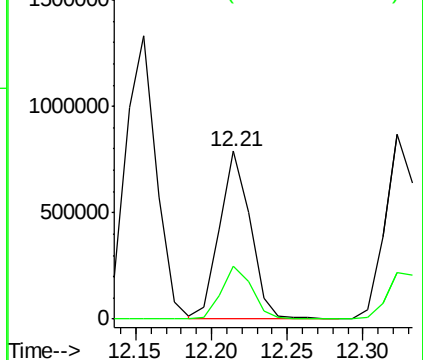
#79
 2-Chlorotoluene
 Concen: 51.008 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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

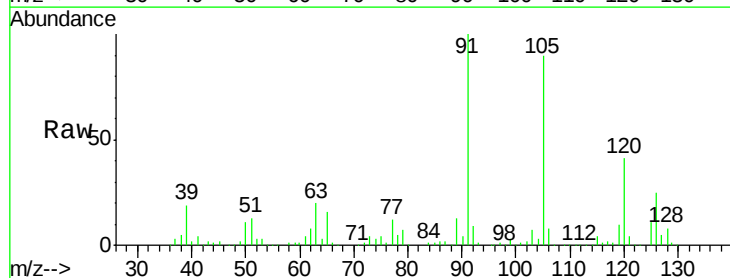


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

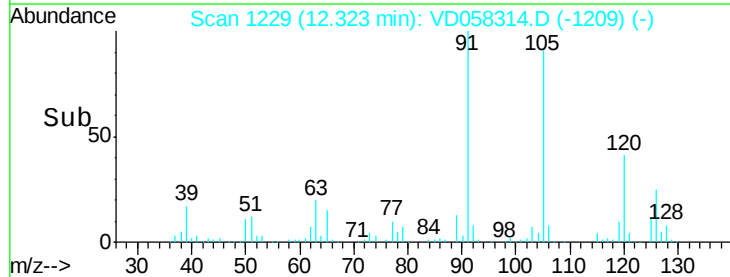
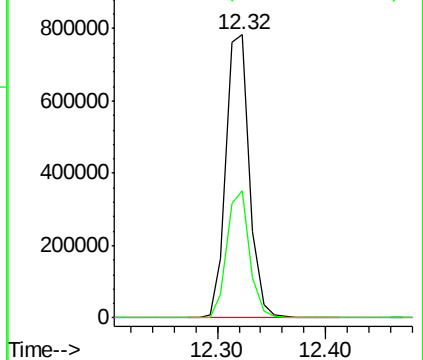


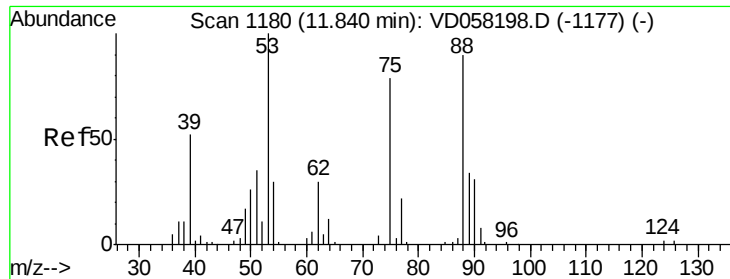
#80
 1,3,5-Trimethylbenzene
 Concen: 51.477 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

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: 52.059 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

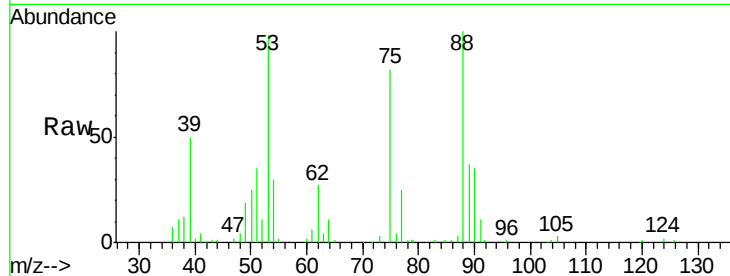
Tot Ion: 75 Resp: 91386

Ion Ratio Lower Upper

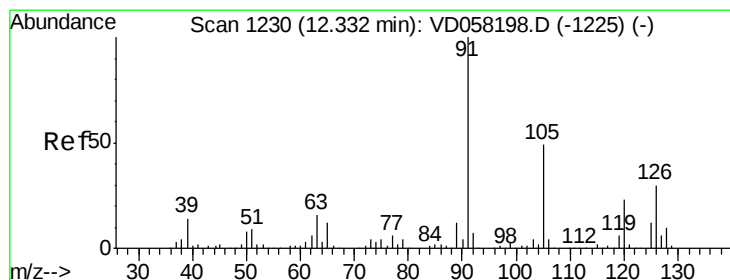
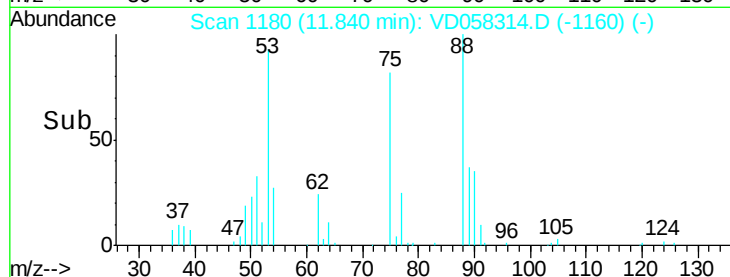
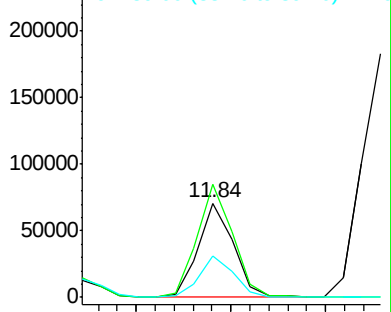
75 100

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: 59.530 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058314.D

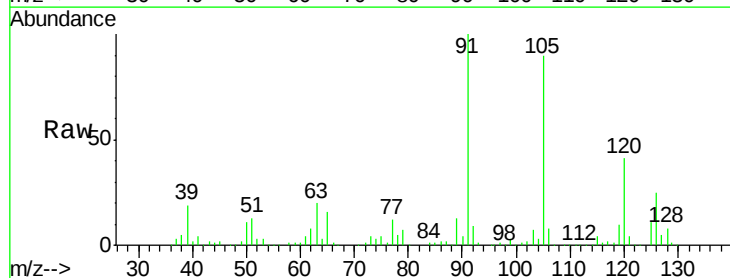
Acq: 22 Jun 2018 23:34

Tgt Ion: 91 Resp: 1242172

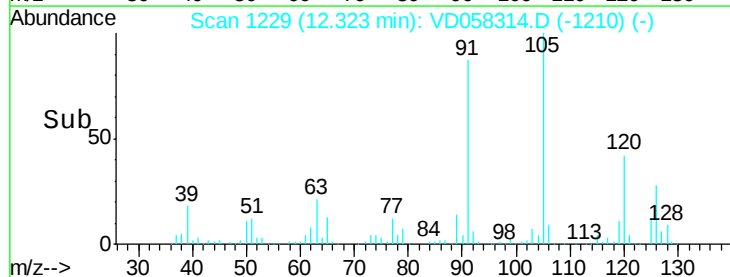
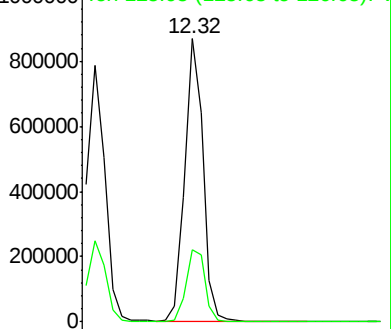
Ion Ratio Lower Upper

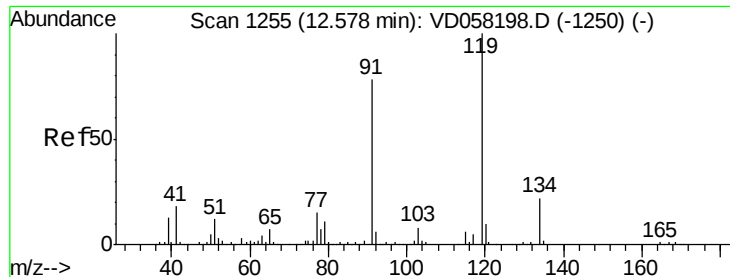
91 100

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

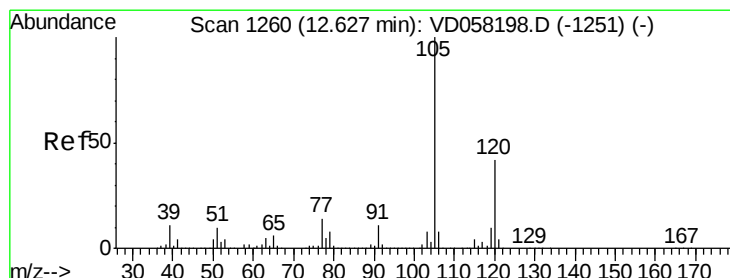
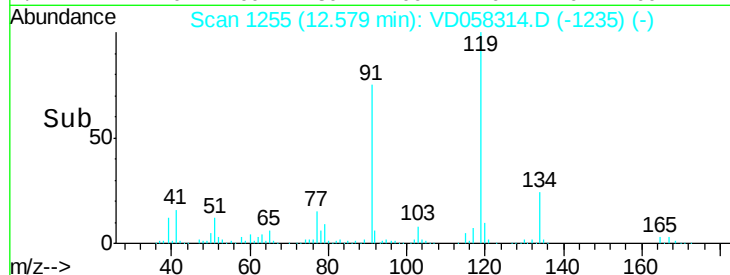
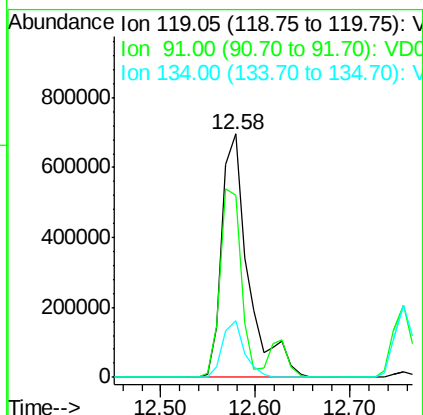
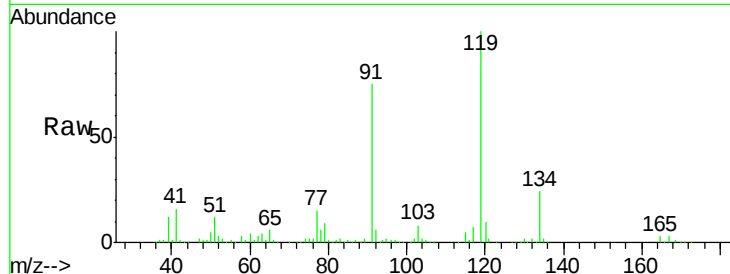




#83
 tert-Butylbenzene
 Concen: 51.222 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

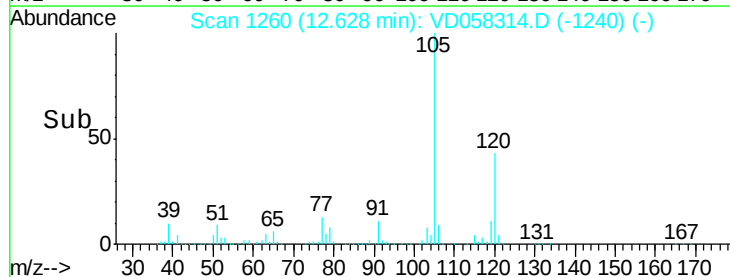
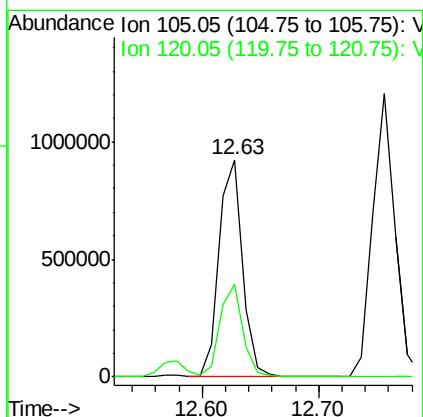
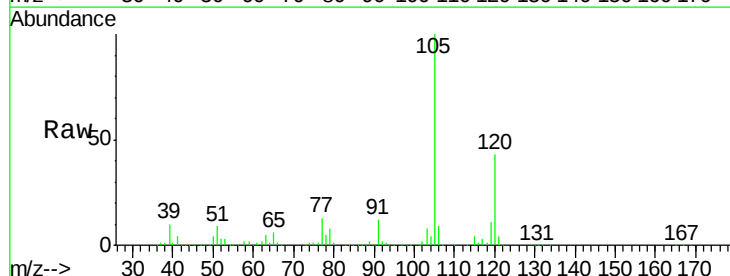
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

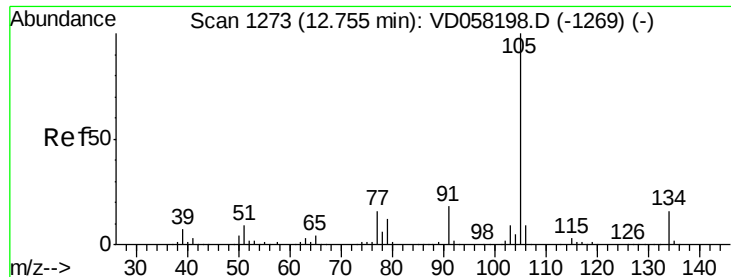
Tot Ion:119 Resp: 1354404
 Ion Ratio Lower Upper
 119 100
 91 75.0 38.9 116.6
 134 23.5 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.327 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

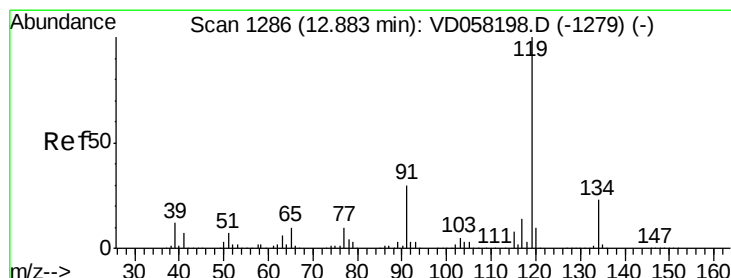
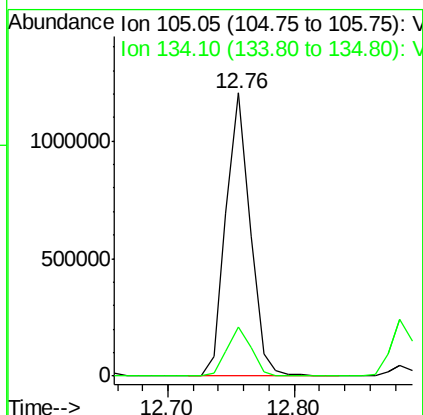
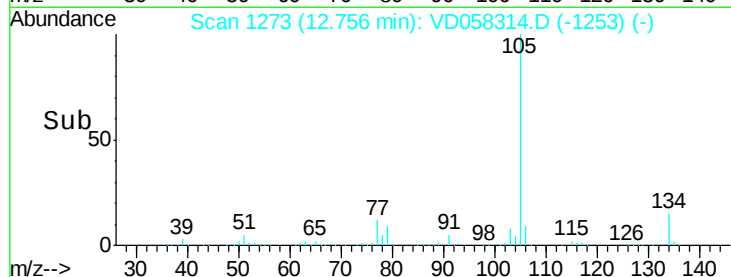
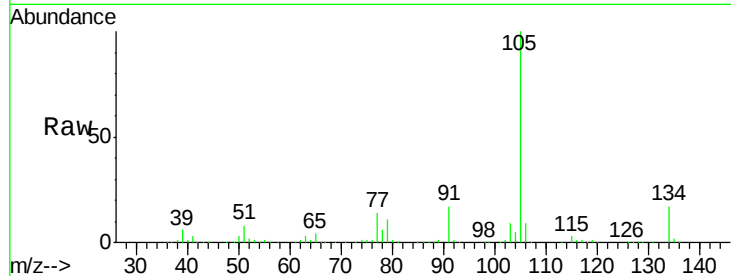




#85
 sec-Butylbenzene
 Concen: 51.631 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

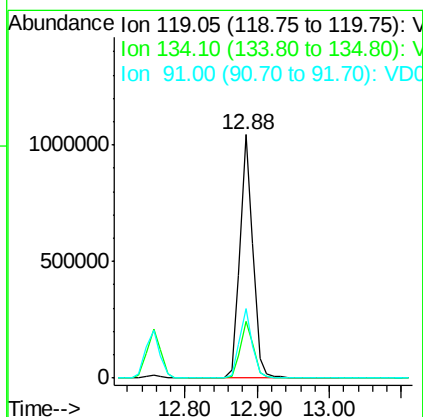
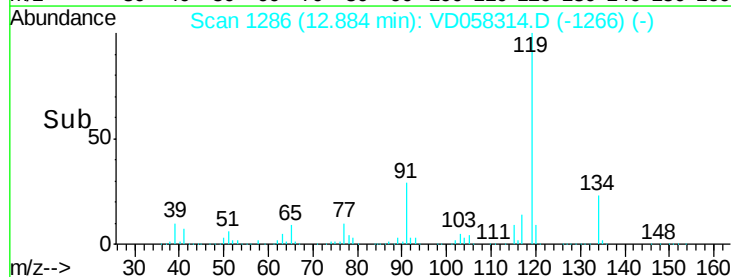
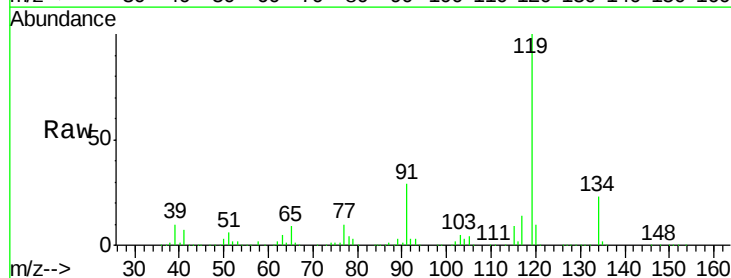
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

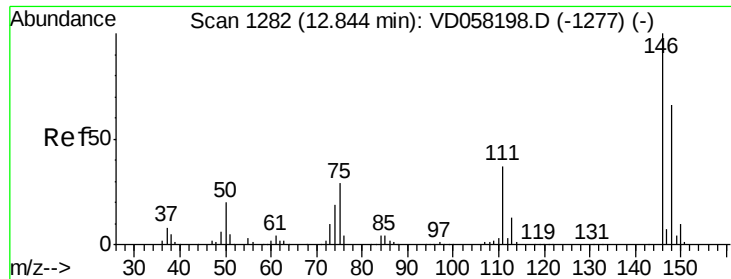
Tot Ion:105 Resp: 1600238
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 52.257 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

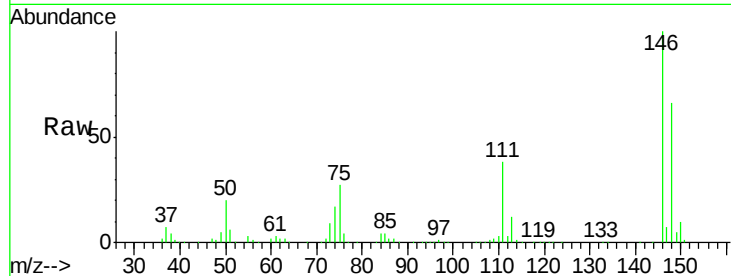




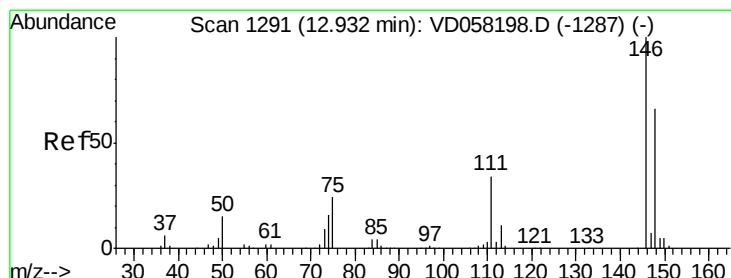
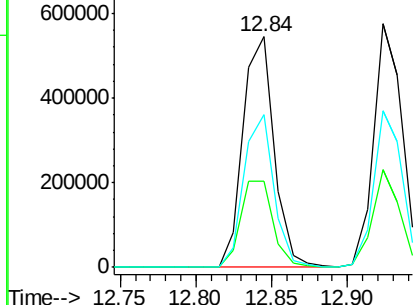
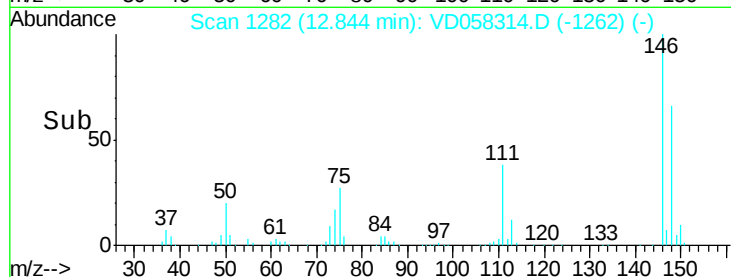
#87
 1,3-Dichlorobenzene
 Concen: 50.903 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

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

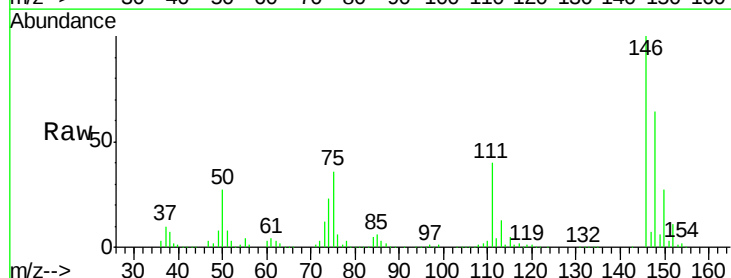


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

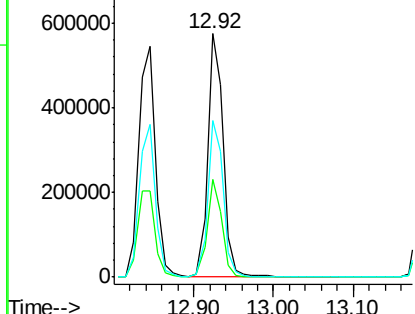
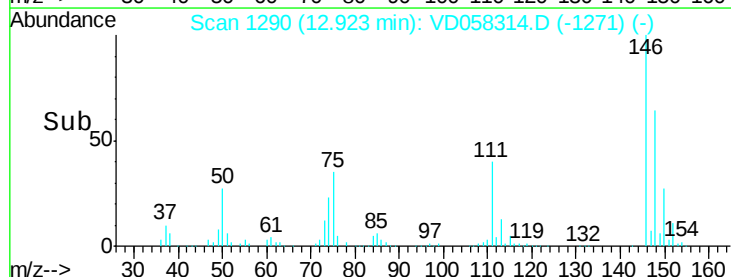


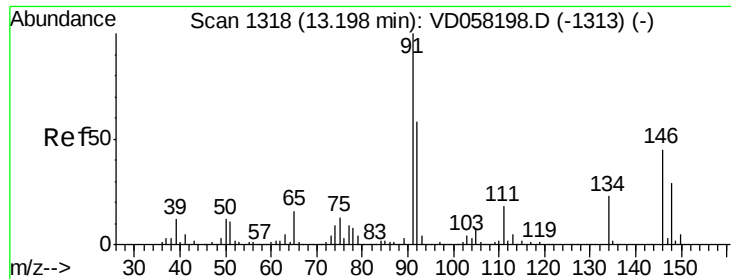
#88
 1,4-Dichlorobenzene
 Concen: 51.450 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

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

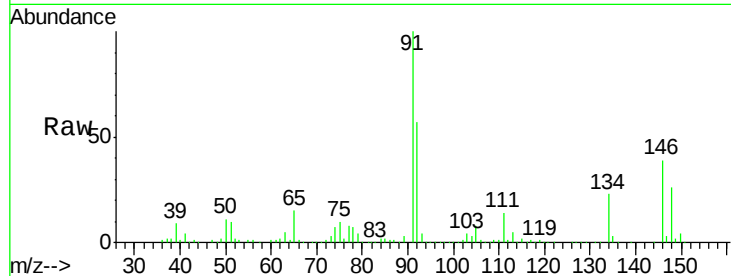




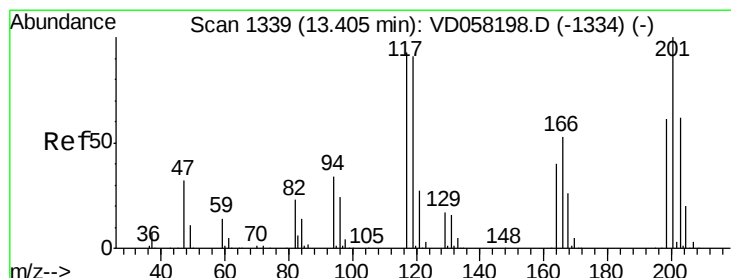
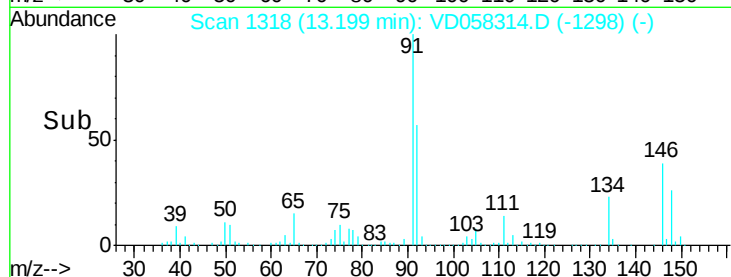
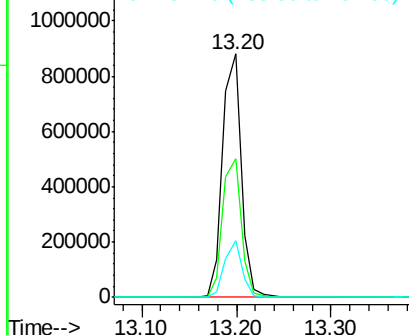
#89
n-Butylbenzene
Concen: 45.547 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

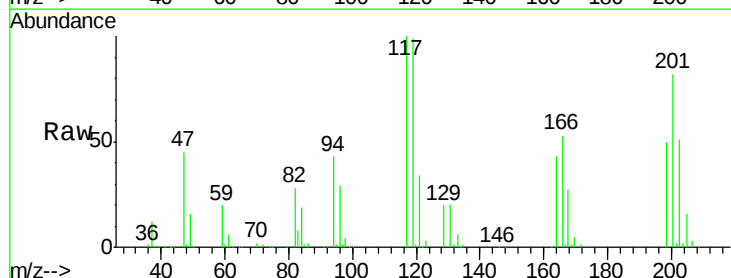


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

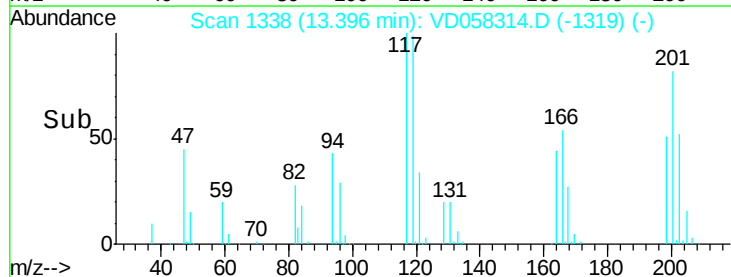
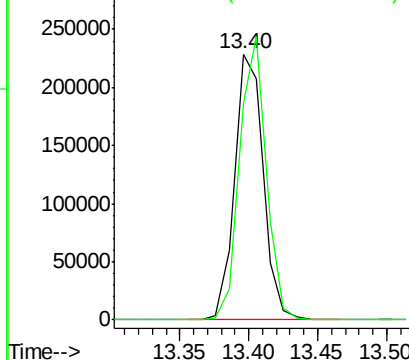


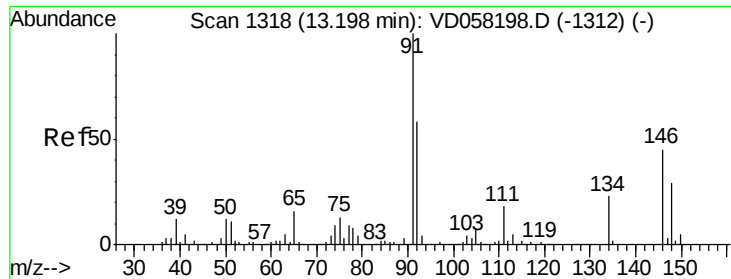
#90
Hexachloroethane
Concen: 50.608 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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

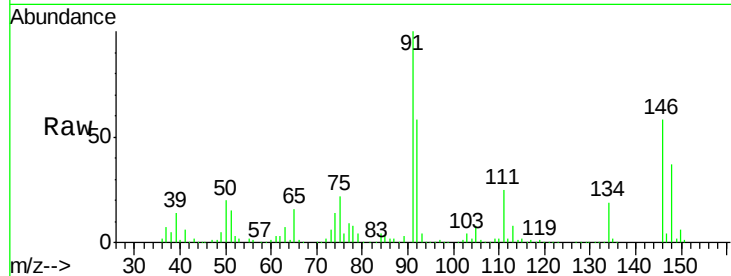




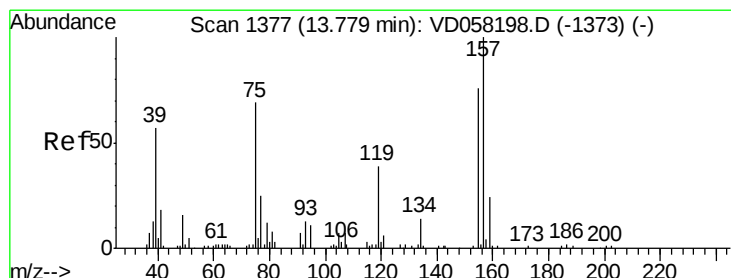
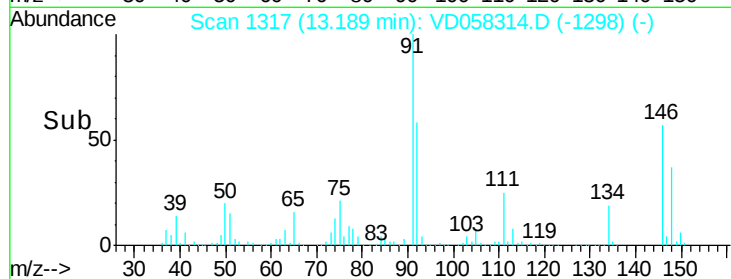
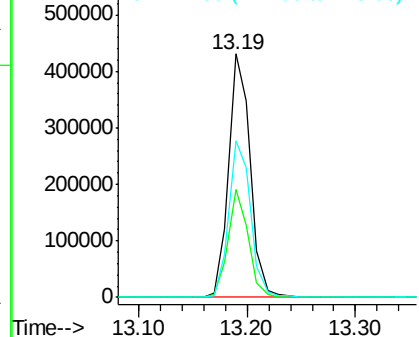
#91
 1,2-Dichlorobenzene
 Concen: 45.599 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

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

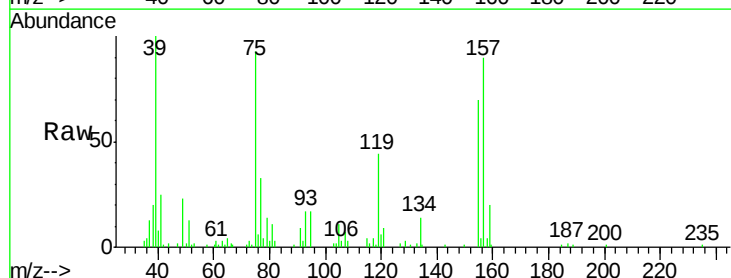


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

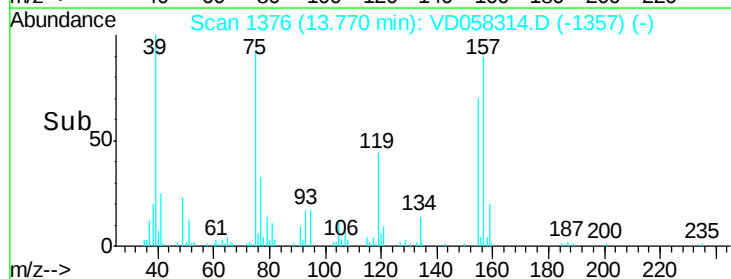
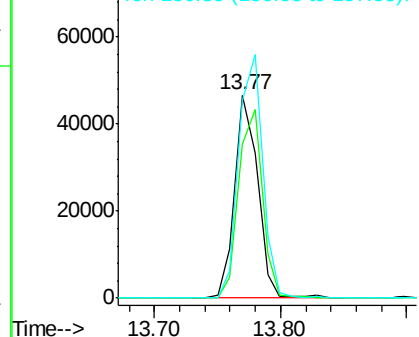


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.856 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

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

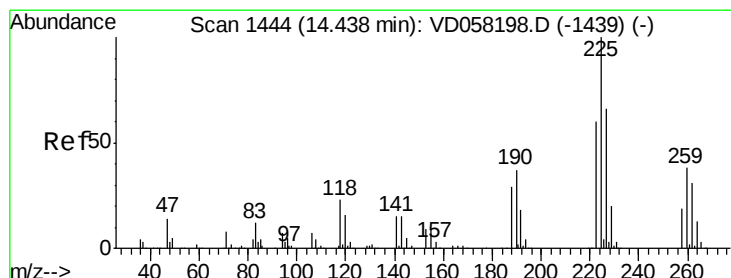
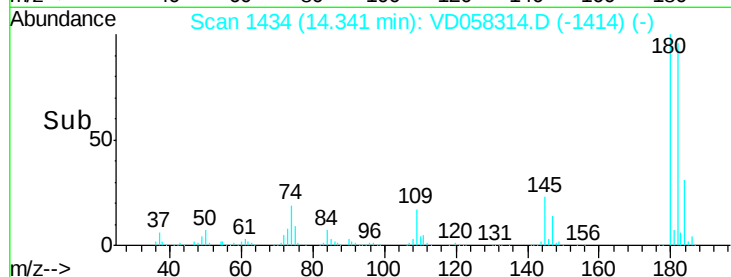
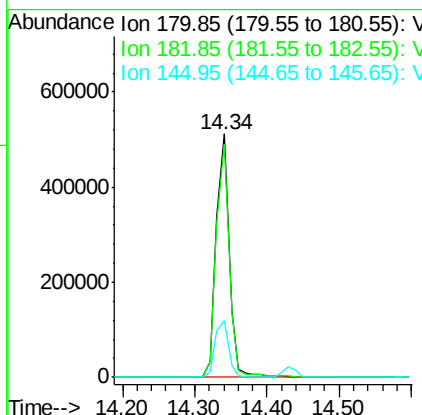
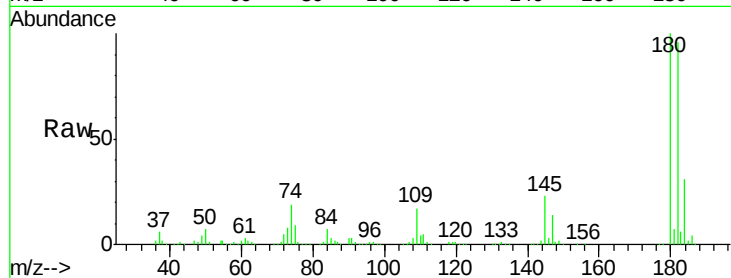




#93
 1,2,4-Trichlorobenzene
 Concen: 51.081 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058314.D
 Acq: 22 Jun 2018 23:34

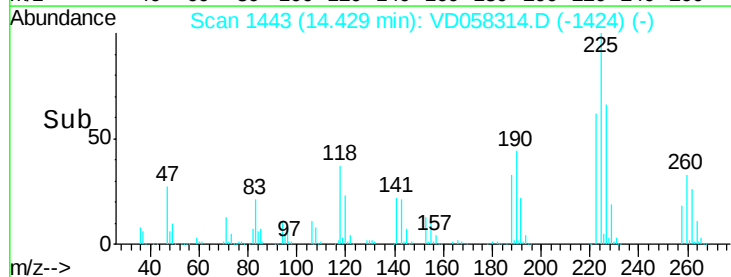
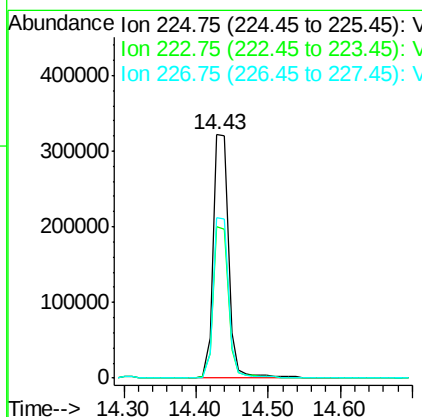
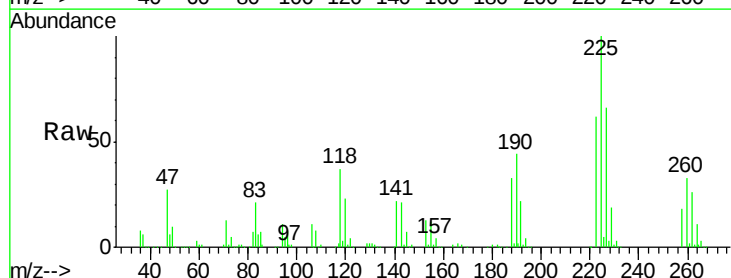
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

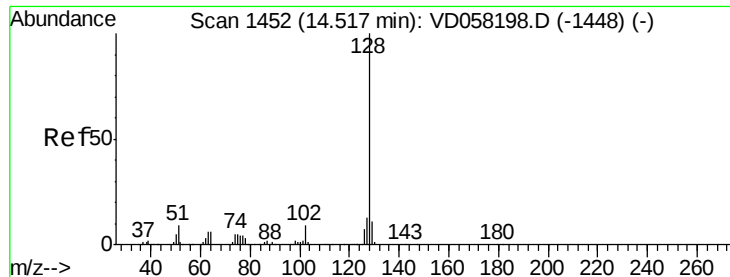
Tot Ion:180 Resp: 638053
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.1 141.3
 145 23.1 11.7 35.0



#94
 Hexachlorobutadiene
 Concen: 48.098 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

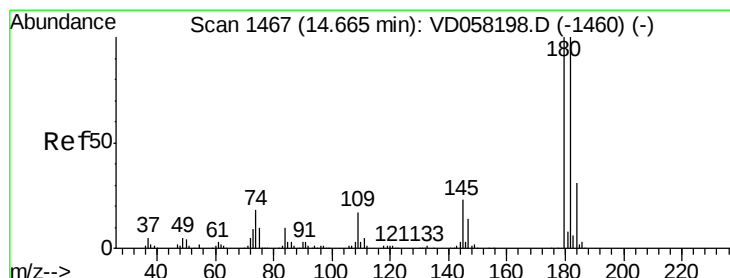
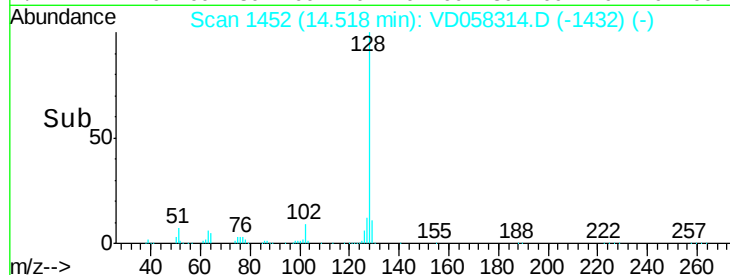
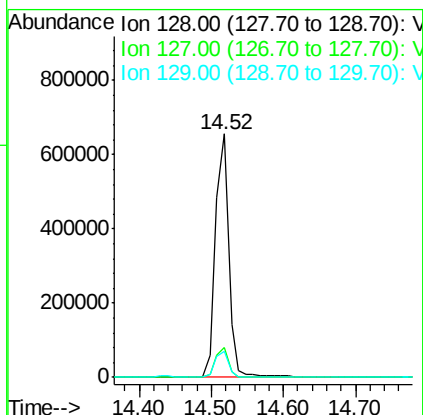
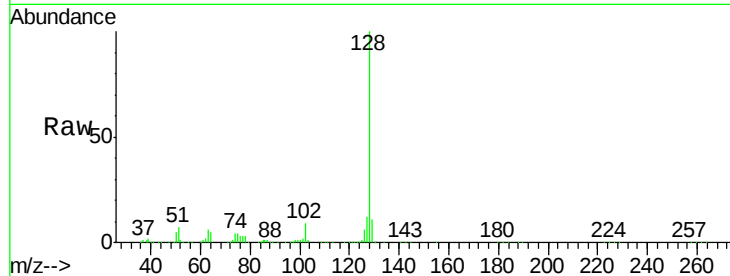




#95
Naphthalene
Concen: 50.564 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058314.D
Acq: 22 Jun 2018 23:34

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



#96
1,2,3-Trichlorobenzene
Concen: 49.798 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

