

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058011.D
 Acq On : 8 Jun 2018 11:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 08 12:03:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1001991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1291873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1035736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	522485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	463707	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	5.55	113	513723	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	8.70	98	1209210	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.93	95	485505	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.36	85	652733	48.54	ug/l	97
3) Chloromethane	1.49	50	328089	49.54	ug/l	98
4) Vinyl Chloride	1.56	62	334481	52.17	ug/l	98
5) Bromomethane	1.81	94	133090	52.97	ug/l	99
6) Chloroethane	1.90	64	149063	58.93	ug/l	93
7) Trichlorofluoromethane	2.09	101	479993	54.77	ug/l	96
8) Diethyl Ether	2.35	74	90481	55.58	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.57	101	286412	54.79	ug/l	95
10) Methyl Iodide	2.70	142	366353	54.32	ug/l	92
11) Tert butyl alcohol	3.26	59	86391	321.93	ug/l #	93
12) 1,1-Dichloroethene	2.56	96	221224	55.05	ug/l	97
13) Acrolein	2.48	56	90635	235.83	ug/l	94
14) Allyl chloride	2.93	41	490909	52.96	ug/l	97
15) Acrylonitrile	3.36	53	407503	259.57	ug/l	97
16) Acetone	2.62	43	417289	289.13	ug/l	97
17) Carbon Disulfide	2.76	76	791848	54.39	ug/l	100
18) Methyl Acetate	2.94	43	145142	51.99	ug/l	98
19) Methyl tert-butyl Ether	3.40	73	914000	51.69	ug/l	100
20) Methylene Chloride	3.08	84	219064	55.67	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	463764	51.81	ug/l	97
22) Diisopropyl ether	4.07	45	1840805	50.12	ug/l	95
23) Vinyl Acetate	4.02	43	5036924	265.44	ug/l	100
24) 1,1-Dichloroethane	3.97	63	996101	49.35	ug/l	98
25) 2-Butanone	4.83	43	883945	269.50	ug/l	99
26) 2,2-Dichloropropane	4.79	77	858967	51.66	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	538865	50.76	ug/l	99
28) Bromochloromethane	5.15	49	470846	53.90	ug/l	98
29) Tetrahydrofuran	5.18	42	431355	250.88	ug/l	99
30) Chloroform	5.32	83	1060326	52.20	ug/l	98
31) Cyclohexane	5.59	56	832939	47.82	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	889383	52.29	ug/l	99
36) 1,1-Dichloropropene	5.75	75	716262	50.32	ug/l	97
37) Ethyl Acetate	4.92	43	412885	53.16	ug/l #	94
38) Carbon Tetrachloride	5.73	117	731349	52.14	ug/l	98

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Quant Time: Jun 08 12:03:13 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	753520	53.41	µg/l	95
40) Benzene	6.01	78	1745648	52.50	µg/l	98
41) Methacrylonitrile	5.13	41	196620	55.37	µg/l	97
42) 1,2-Dichloroethane	6.12	62	715461	53.22	µg/l	98
43) Isopropyl Acetate	7.61	43	544488	53.53	µg/l	98
44) Trichloroethene	6.98	130	526279	54.19	µg/l	95
45) 1,2-Dichloropropane	7.34	63	487637	52.77	µg/l	99
46) Dibromomethane	7.46	93	315118	53.08	µg/l	99
47) Bromodichloromethane	7.73	83	755340	54.34	µg/l	99
48) Methyl methacrylate	7.50	41	330599	52.80	µg/l	97
49) 1,4-Dioxane	7.48	88	56143	1082.41	µg/l	91
51) 4-Methyl-2-Pentanone	8.59	43	1740389	266.74	µg/l	99
52) Toluene	8.80	92	1015931	53.24	µg/l	99
53) t-1,3-Dichloropropene	9.18	75	670180	55.96	µg/l	100
54) cis-1,3-Dichloropropene	8.35	75	763137	54.09	µg/l	98
55) 1,1,2-Trichloroethane	9.45	97	323382	52.36	µg/l	98
56) Ethyl methacrylate	9.31	69	403110	53.21	µg/l	95
57) 1,3-Dichloropropane	9.65	76	564677	52.13	µg/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	988901	258.38	µg/l	98
59) 2-Hexanone	9.78	43	1323262	276.74	µg/l	100
60) Dibromochloromethane	9.95	129	475736	54.63	µg/l	98
61) 1,2-Dibromoethane	10.09	107	380550	53.58	µg/l	98
64) Tetrachloroethene	9.51	164	482374	52.10	µg/l	98
65) Chlorobenzene	10.72	112	1092874	52.12	µg/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	416387	51.69	µg/l	98
67) Ethyl Benzene	10.85	91	1954570	51.60	µg/l	98
68) m/p-Xylenes	11.01	106	1239403	100.36	µg/l	96
69) o-Xylene	11.40	106	619675	50.55	µg/l	100
70) Styrene	11.43	104	1034378	50.97	µg/l	97
71) Bromoform	11.59	173	335377	55.34	µg/l	97
73) Isopropylbenzene	11.77	105	1822282	52.66	µg/l	98
74) N-amyl acetate	11.64	43	701639	52.54	µg/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	389294	51.59	µg/l	99
76) 1,2,3-Trichloropropane	12.11	75	413169	52.64	µg/l	95
77) Bromobenzene	12.04	156	516292	50.40	µg/l	86
78) n-propylbenzene	12.14	91	2338818	51.94	µg/l	96
79) 2-Chlorotoluene	12.21	91	1291000	50.25	µg/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	1406270	52.11	µg/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	112635	57.94	µg/l	99
82) 4-Chlorotoluene	12.32	91	1450409	58.60	µg/l	96
83) tert-Butylbenzene	12.57	119	1606080	52.70	µg/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	1531411	52.77	µg/l	95
85) sec-Butylbenzene	12.75	105	1793727	48.77	µg/l	99
86) p-Isopropyltoluene	12.88	119	1502648	50.69	µg/l	97
87) 1,3-Dichlorobenzene	12.83	146	916119	52.87	µg/l	99
88) 1,4-Dichlorobenzene	12.92	146	883268	52.32	µg/l	96
89) n-Butylbenzene	13.19	91	1535425	58.22	µg/l	98
90) Hexachloroethane	13.39	117	409033	54.06	µg/l	79
91) 1,2-Dichlorobenzene	13.19	146	705051	50.35	µg/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	64685	55.55	µg/l	74

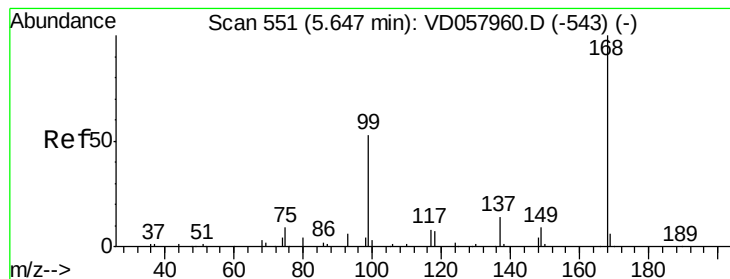
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	681478	52.09	ug/l	95
94) Hexachlorobutadiene	14.43	225	531231	51.62	ug/l	96
95) Naphthalene	14.51	128	861817	51.09	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	580458	52.06	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

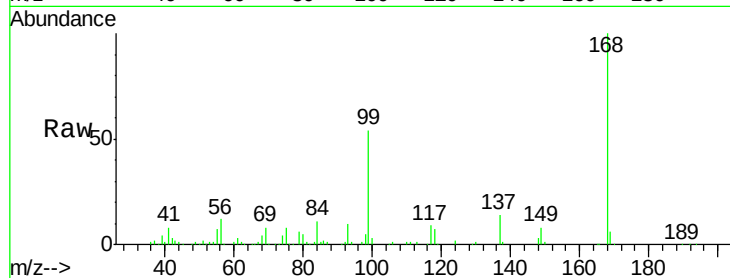
VSTDCCC050

Tot Ion:168 Resp: 1001991

Ion Ratio Lower Upper

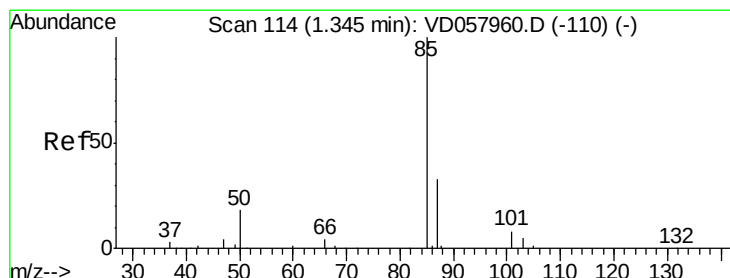
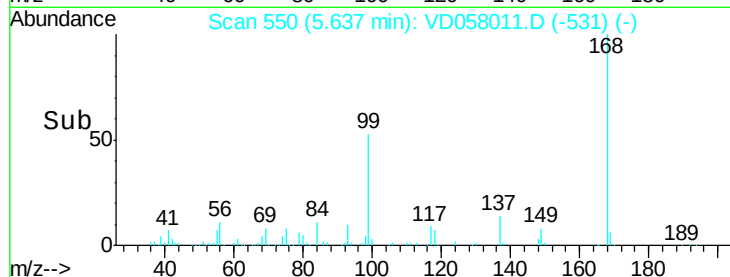
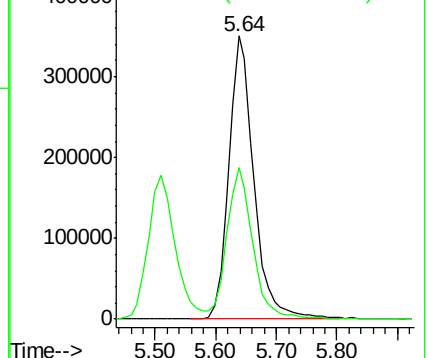
168 100

99 53.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.54 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD058011.D

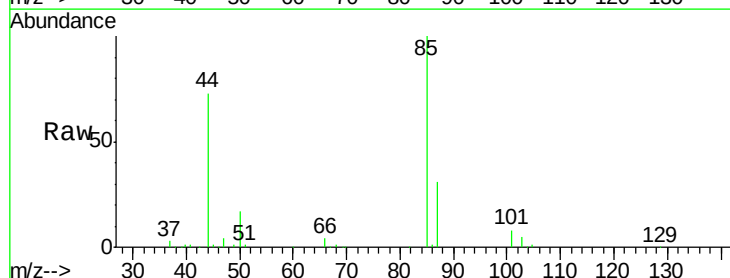
Acq: 8 Jun 2018 11:45

Tgt Ion: 85 Resp: 652733

Ion Ratio Lower Upper

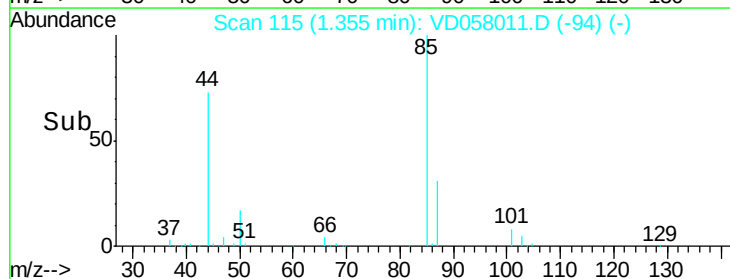
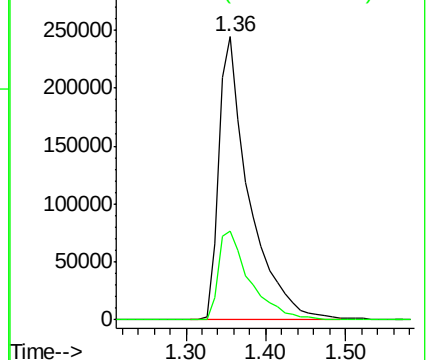
85 100

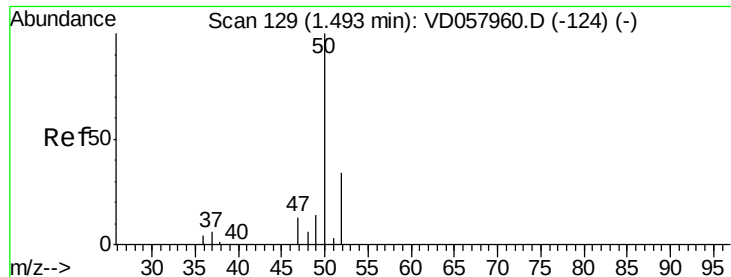
87 31.3 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.54 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

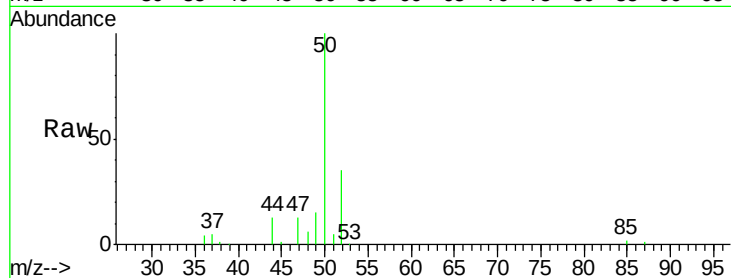
VSTDCCC050

Tot Ion: 50 Resp: 328089

Ion Ratio Lower Upper

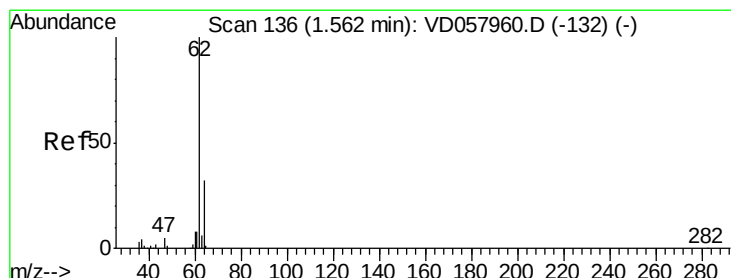
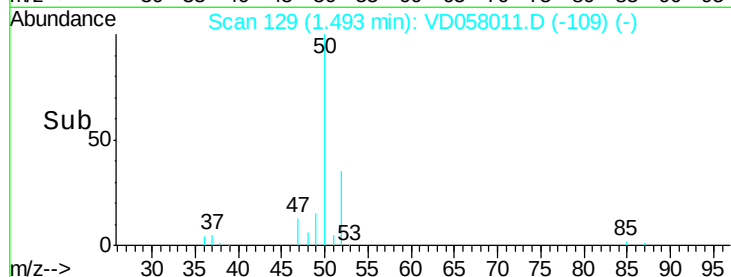
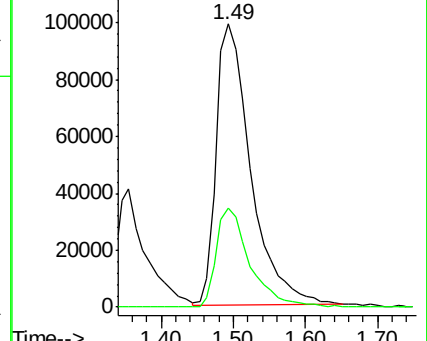
50 100

52 35.1 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.17 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD058011.D

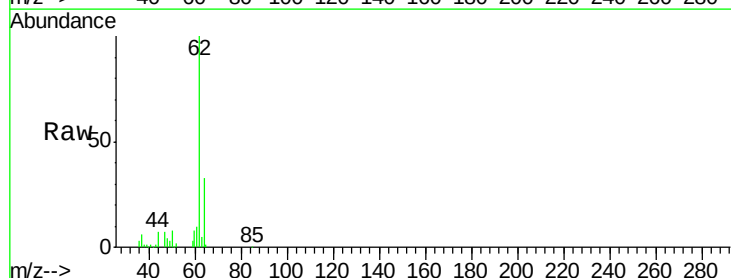
Acq: 8 Jun 2018 11:45

Tgt Ion: 62 Resp: 334481

Ion Ratio Lower Upper

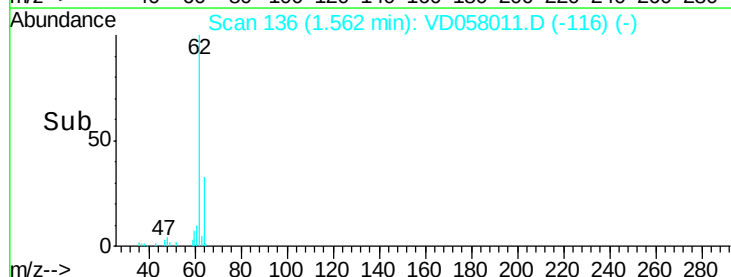
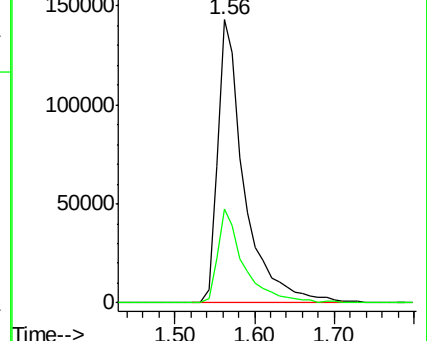
62 100

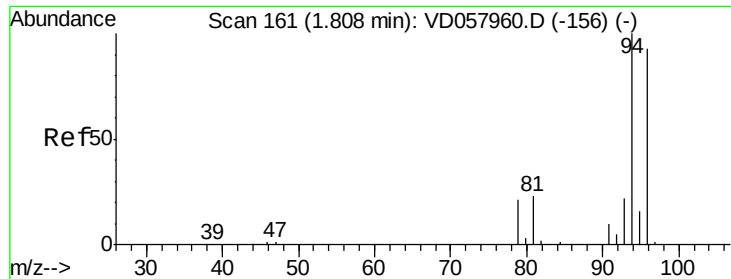
64 33.1 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.97 ug/l

RT: 1.81 min Scan# 161

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

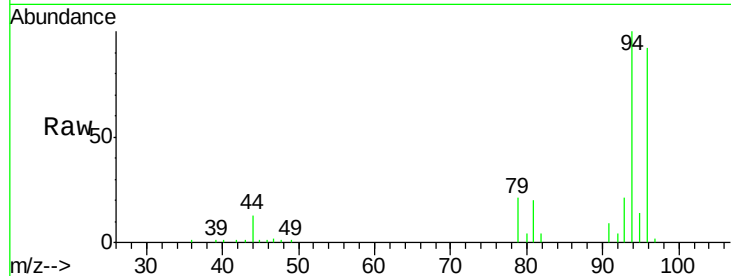
VSTDCCC050

Tot Ion: 94 Resp: 133090

Ion Ratio Lower Upper

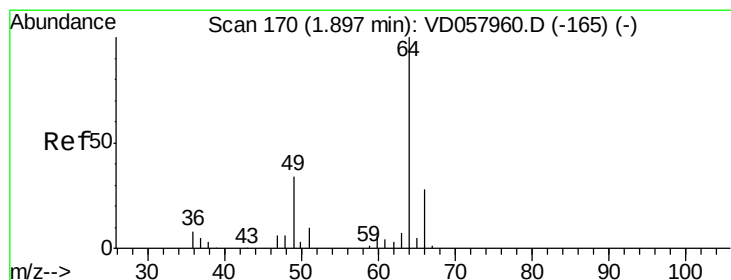
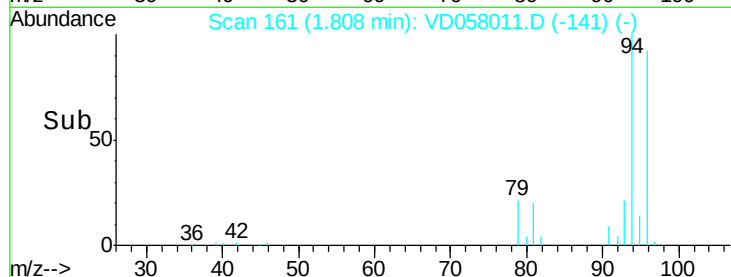
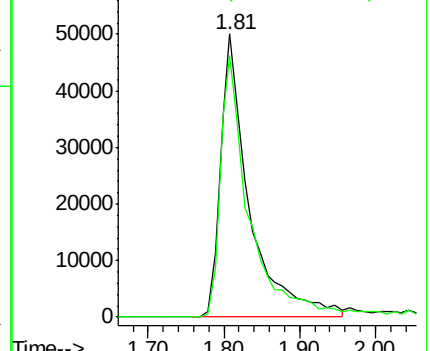
94 100

96 92.4 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 58.93 ug/l

RT: 1.90 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD058011.D

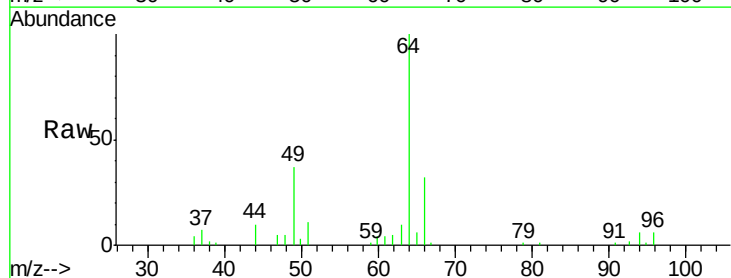
Acq: 8 Jun 2018 11:45

Tgt Ion: 64 Resp: 149063

Ion Ratio Lower Upper

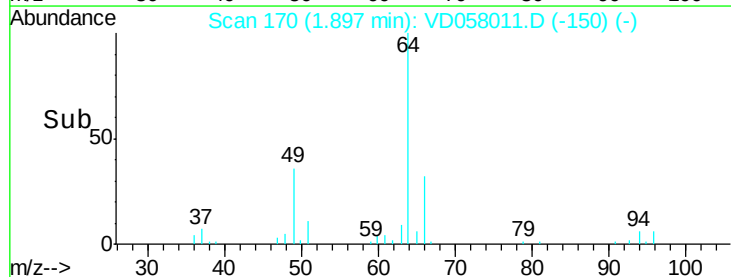
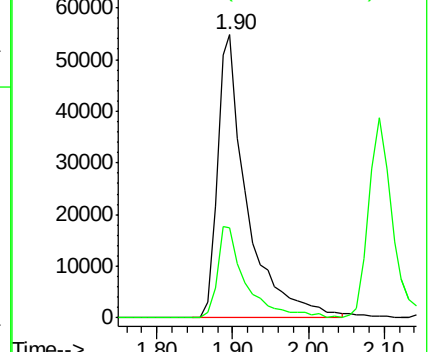
64 100

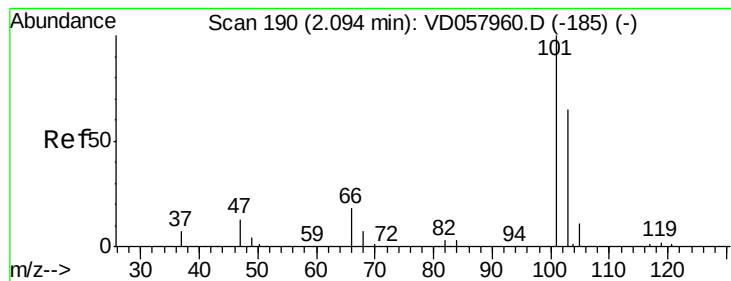
66 32.0 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 54.77 ug/l

RT: 2.09 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

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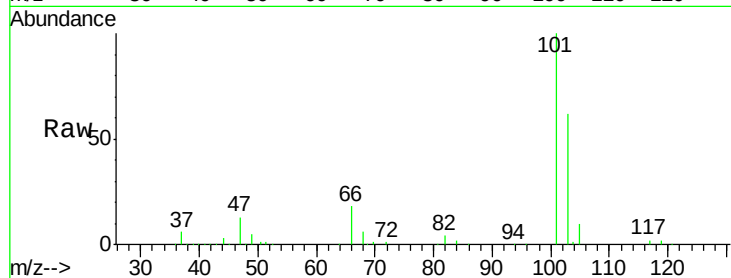
VSTDCCC050

Tot Ion:101 Resp: 479993

Ion Ratio Lower Upper

101 100

103 62.1 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.09

200000

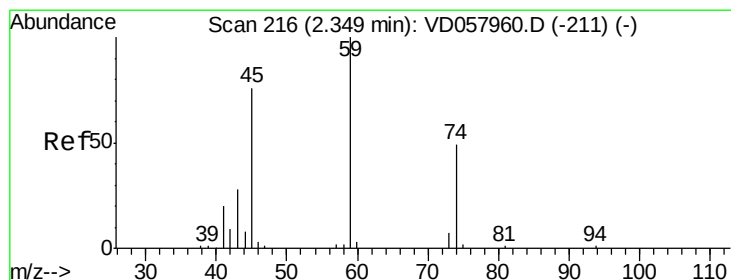
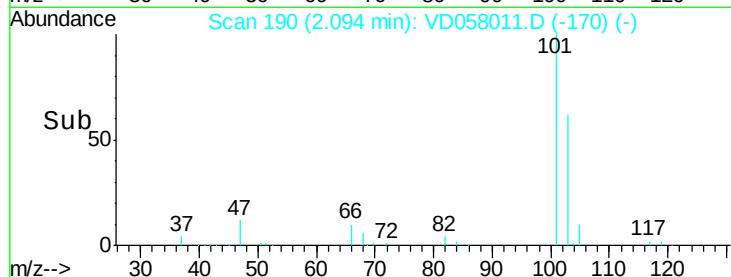
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 55.58 ug/l

RT: 2.35 min Scan# 216

Delta R.T. -0.00 min

Lab File: VD058011.D

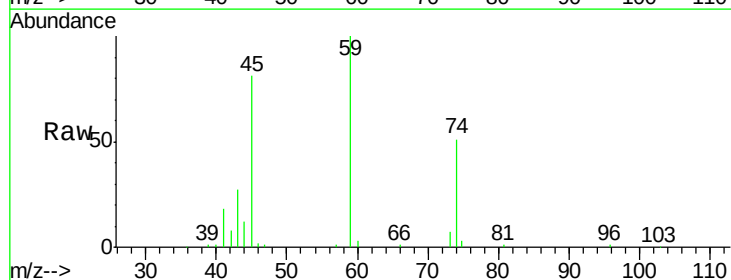
Acq: 8 Jun 2018 11:45

Tgt Ion: 74 Resp: 90481

Ion Ratio Lower Upper

74 100

45 158.2 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

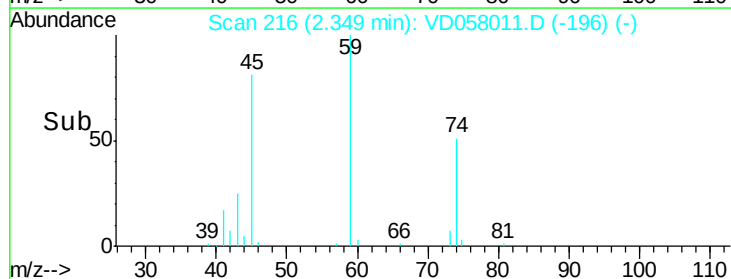
60000

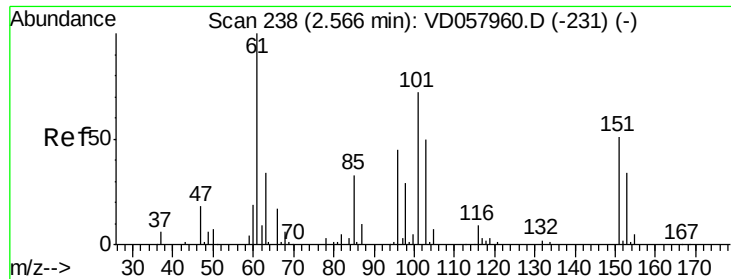
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.79 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

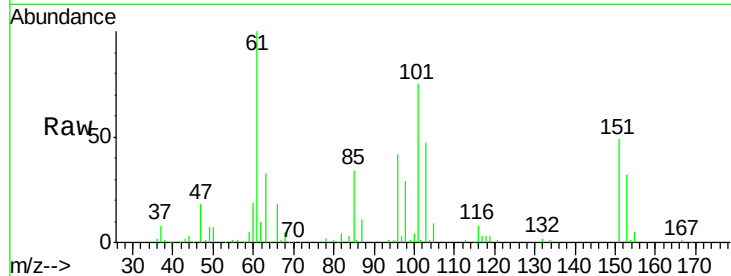
Tot Ion:101 Resp: 286412

Ion Ratio Lower Upper

101 100

85 45.4 37.3 55.9

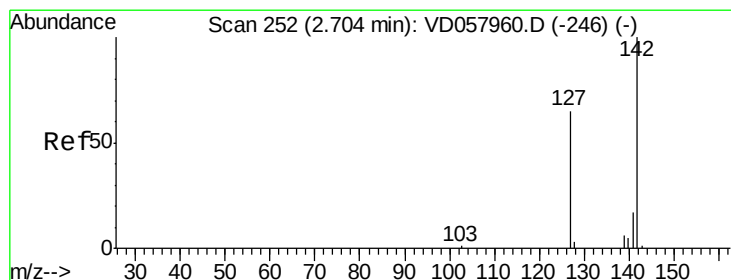
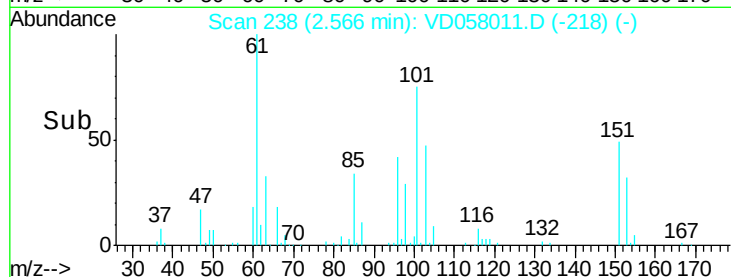
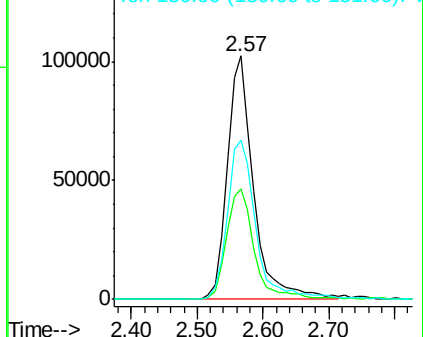
151 65.5 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 54.32 ug/l

RT: 2.70 min Scan# 252

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

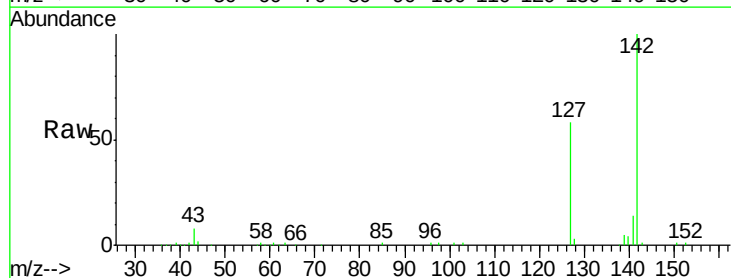
Tgt Ion:142 Resp: 366353

Ion Ratio Lower Upper

142 100

127 58.2 52.0 78.0

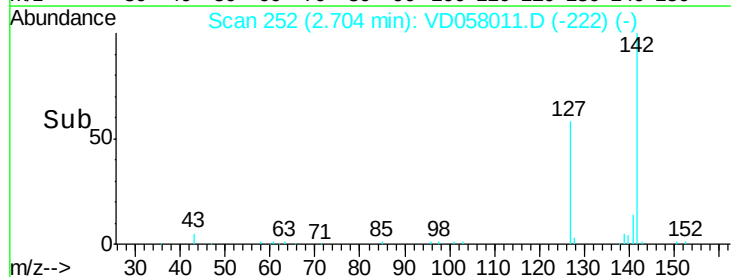
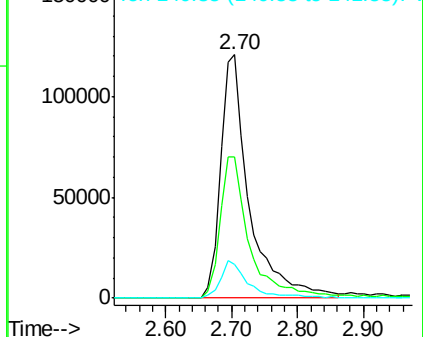
141 14.1 13.2 19.8

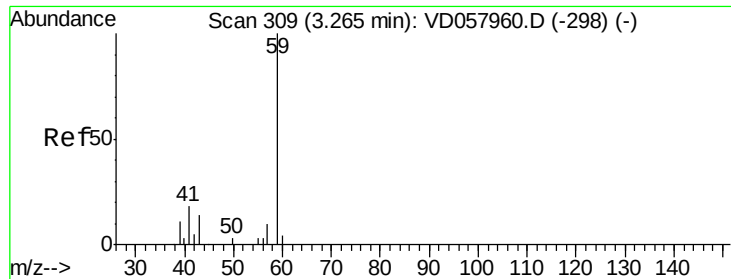


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

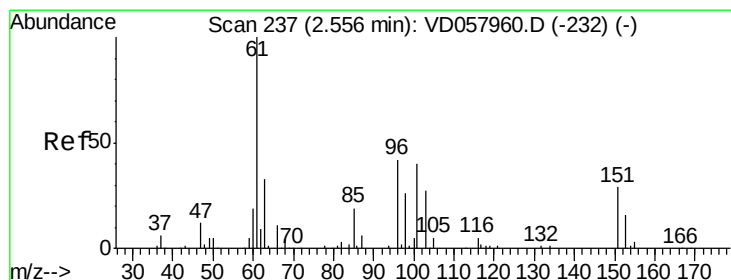
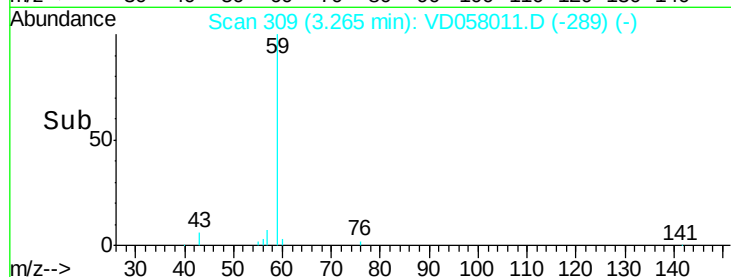
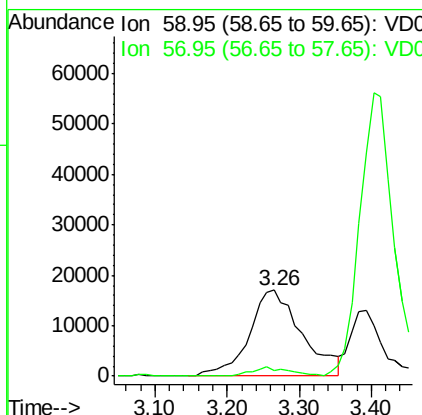
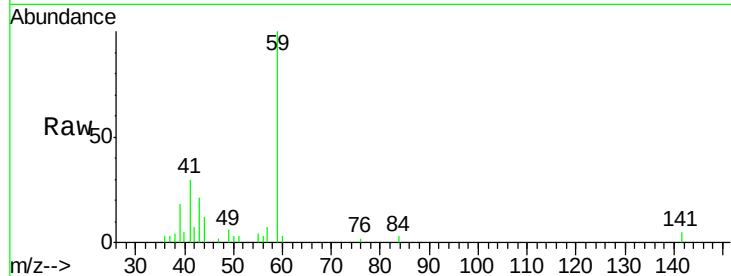




#11
Tert butyl alcohol
Concen: 321.93 ug/l
RT: 3.26 min Scan# 309
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

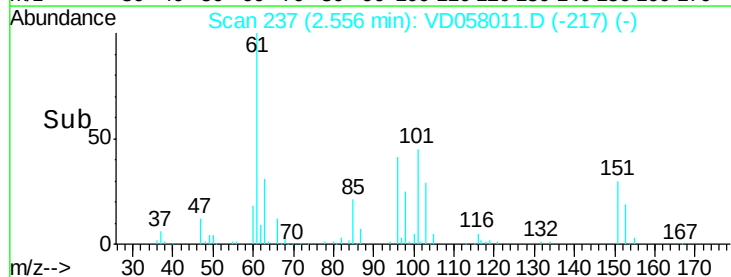
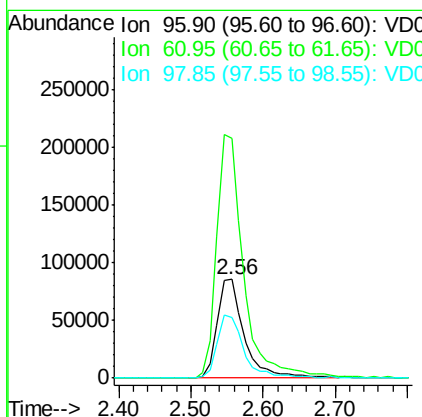
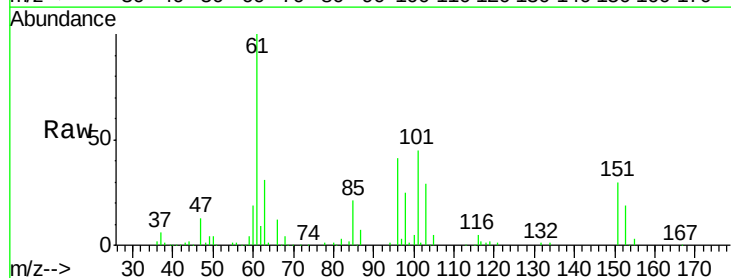
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

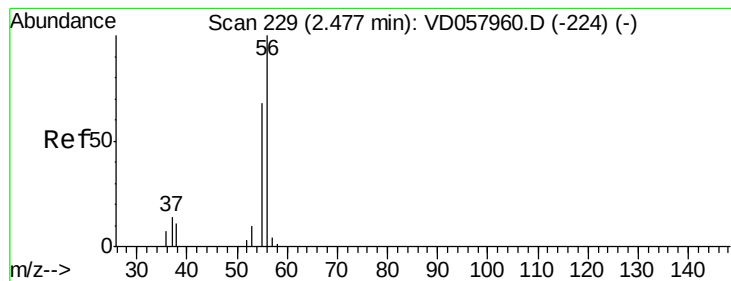
Tot Ion: 59 Resp: 86391
Ion Ratio Lower Upper
59 100
57 7.0 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 55.05 ug/l
RT: 2.56 min Scan# 237
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 96 Resp: 221224
Ion Ratio Lower Upper
96 100
61 243.5 190.2 285.4
98 61.9 49.6 74.4





#13

Acrolein

Concen: 235.83 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

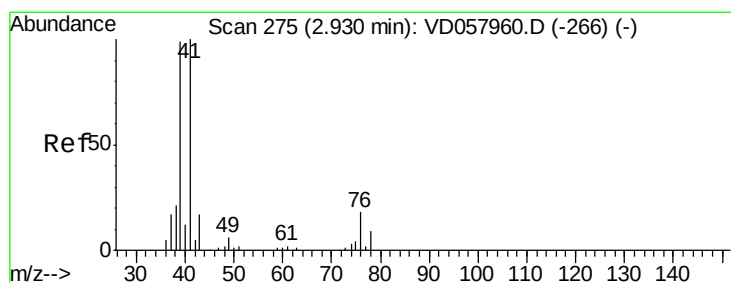
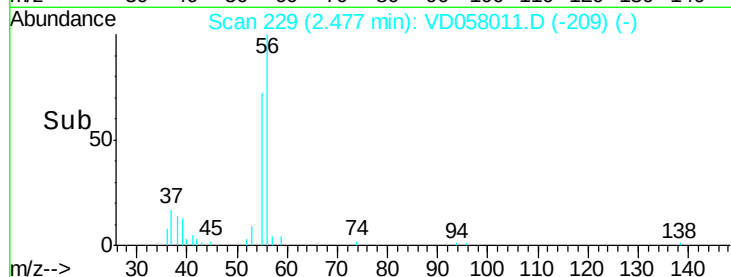
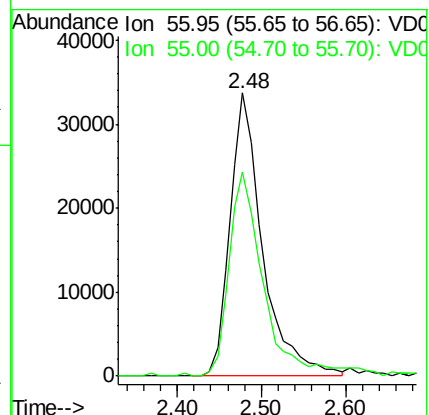
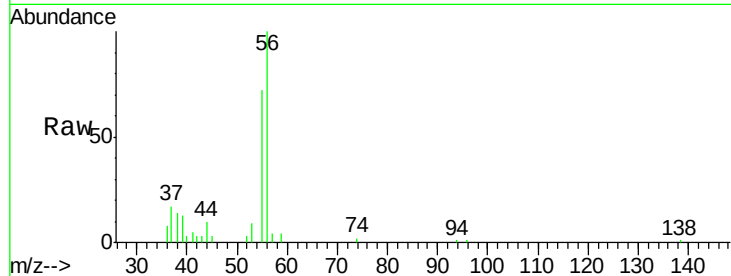
VSTDCCC050

Tot Ion: 56 Resp: 90635

Ion Ratio Lower Upper

56 100

55 72.2 54.0 81.0



#14

Allyl chloride

Concen: 52.96 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

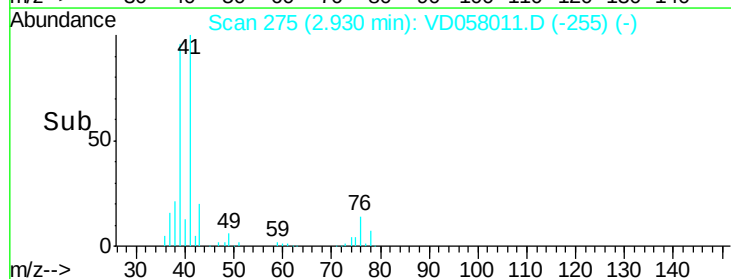
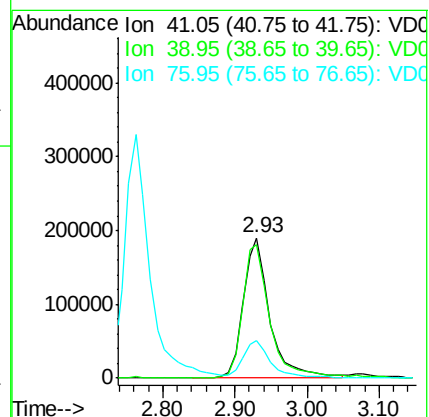
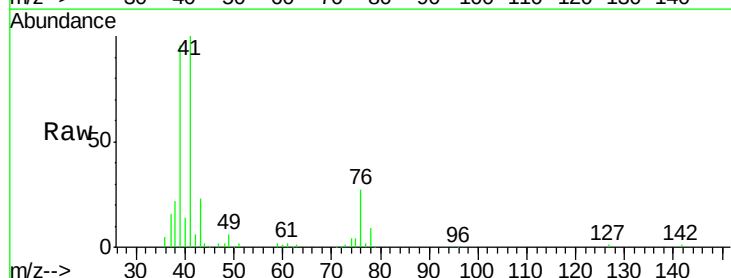
Tgt Ion: 41 Resp: 490909

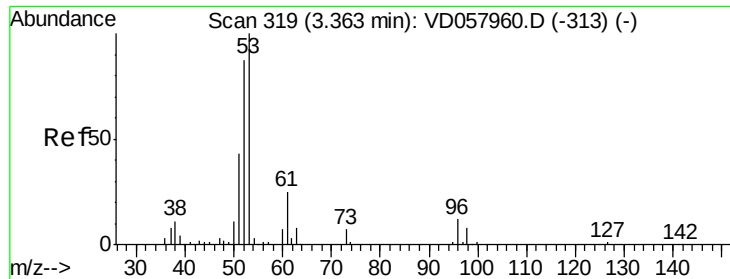
Ion Ratio Lower Upper

41 100

39 95.7 79.5 119.3

76 26.5 20.7 31.1

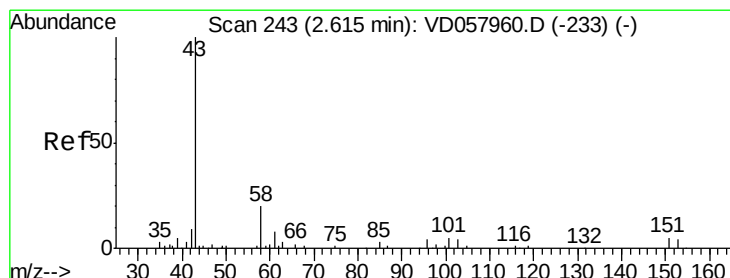
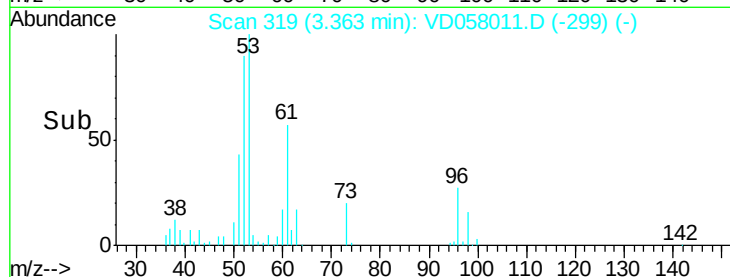
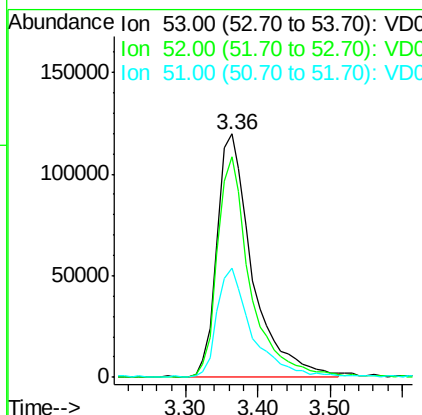
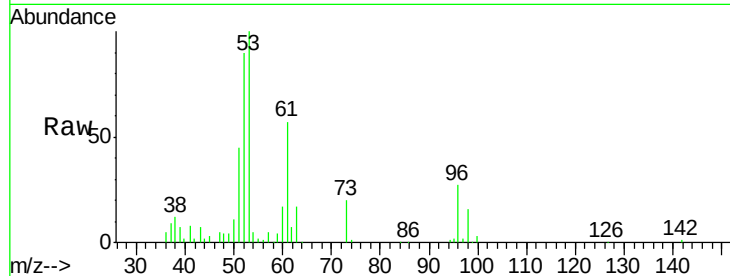




#15
 Acrylonitrile
 Concen: 259.57 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. -0.00 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

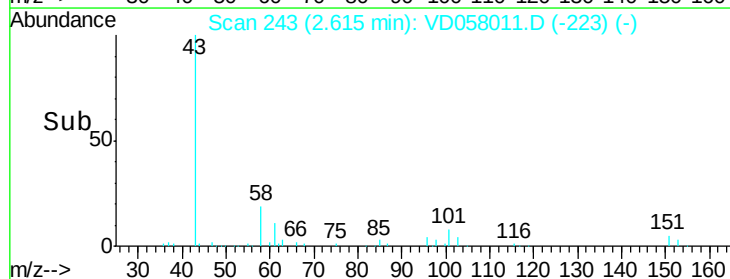
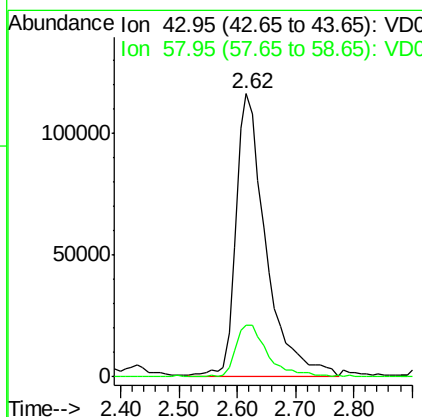
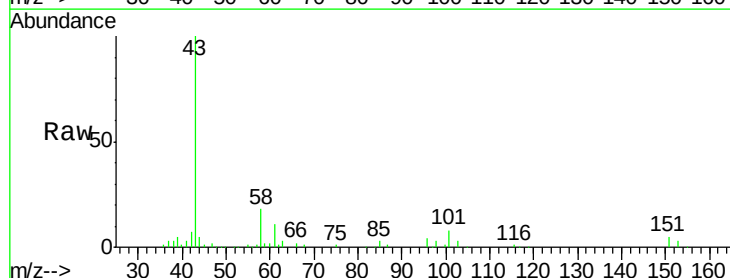
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

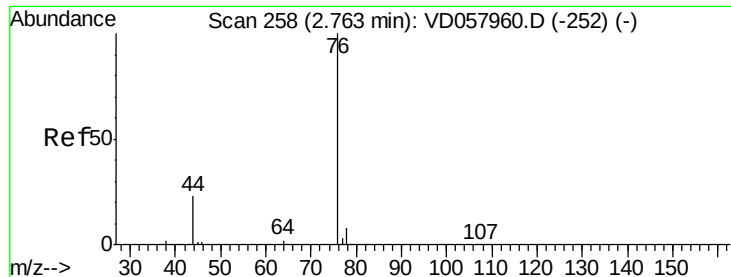
Tot Ion: 53 Resp: 407503
 Ion Ratio Lower Upper
 53 100
 52 90.5 69.9 104.9
 51 45.1 34.3 51.5



#16
 Acetone
 Concen: 289.13 ug/l
 RT: 2.62 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion: 43 Resp: 417289
 Ion Ratio Lower Upper
 43 100
 58 18.4 15.8 23.8

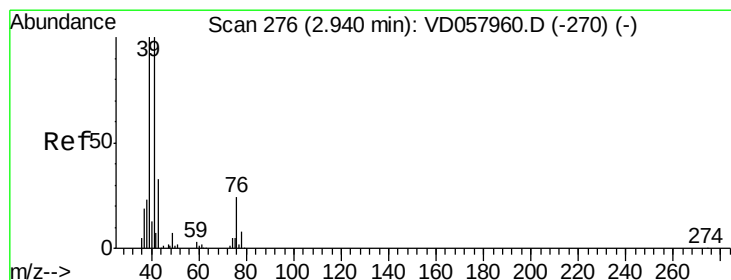
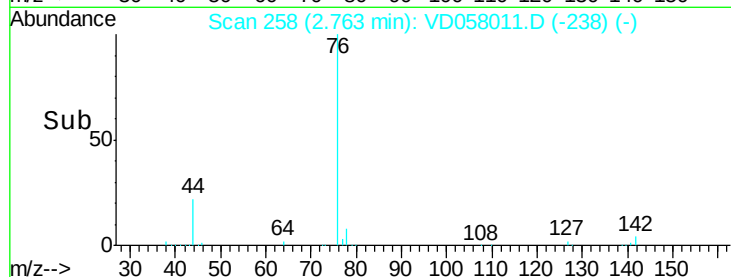
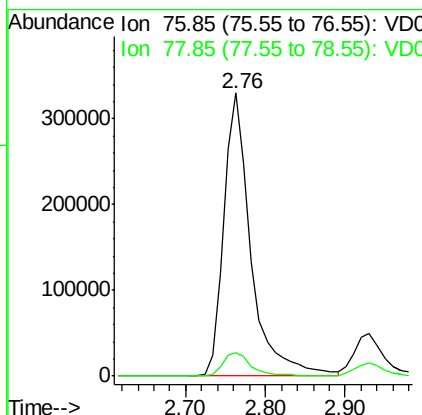
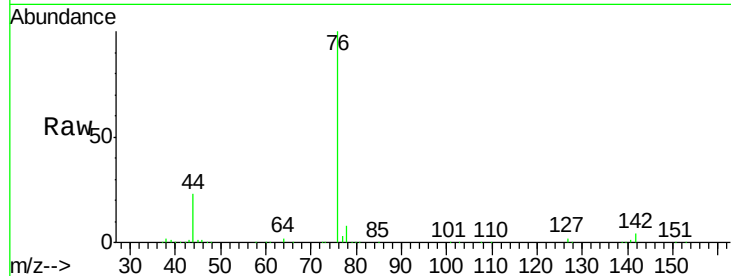




#17
Carbon Disulfide
Concen: 54.39 ug/l
RT: 2.76 min Scan# 258
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

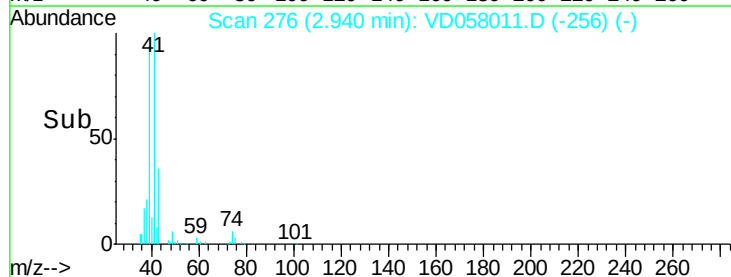
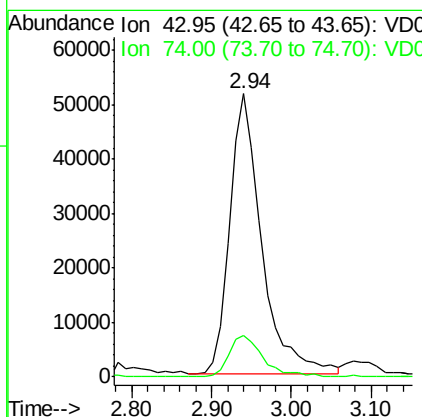
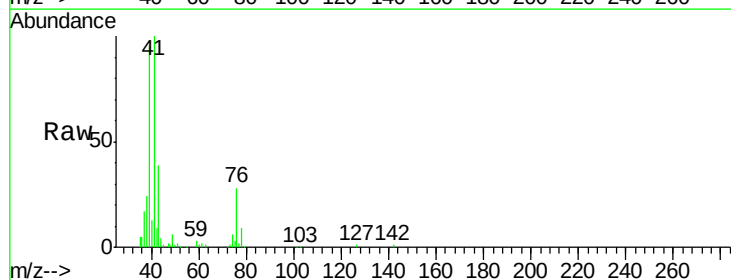
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

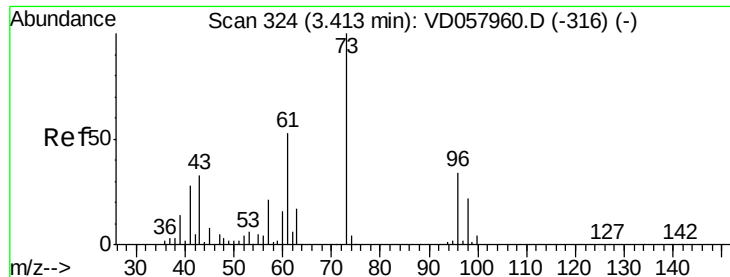
Tot Ion: 76 Resp: 791848
Ion Ratio Lower Upper
76 100
78 8.5 6.7 10.1



#18
Methyl Acetate
Concen: 51.99 ug/l
RT: 2.94 min Scan# 276
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 43 Resp: 145142
Ion Ratio Lower Upper
43 100
74 14.8 11.2 16.8

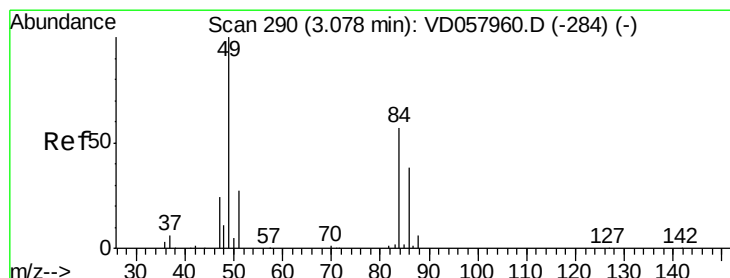
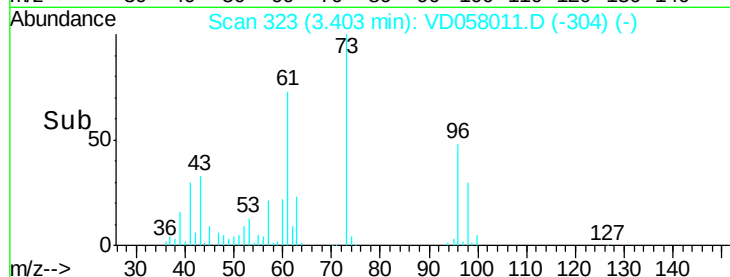
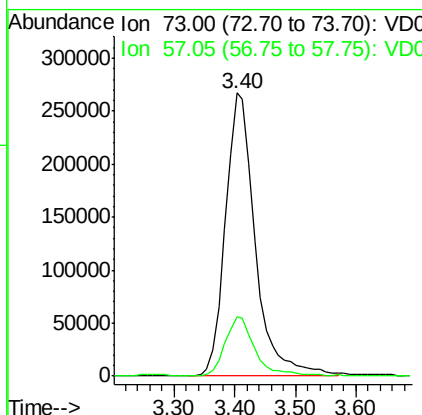
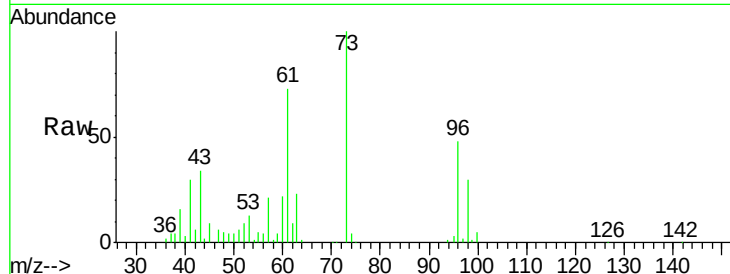




#19
Methyl tert-butyl Ether
Concen: 51.69 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

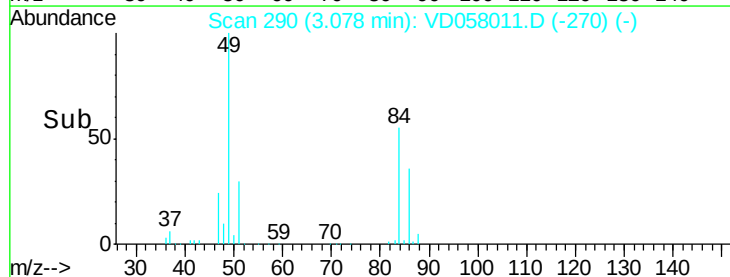
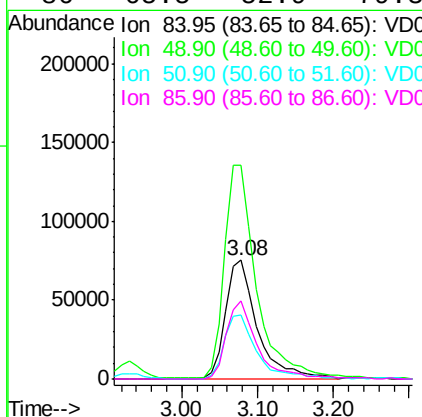
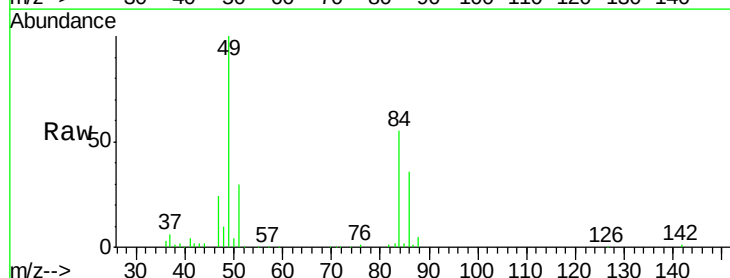
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

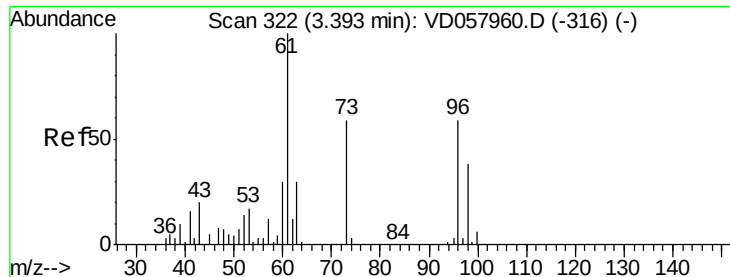
Tot Ion: 73 Resp: 914000
Ion Ratio Lower Upper
73 100
57 21.0 16.7 25.1



#20
Methylene Chloride
Concen: 55.67 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 84 Resp: 219064
Ion Ratio Lower Upper
84 100
49 180.2 141.4 212.0
51 54.3 38.3 57.5
86 65.5 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 51.81 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

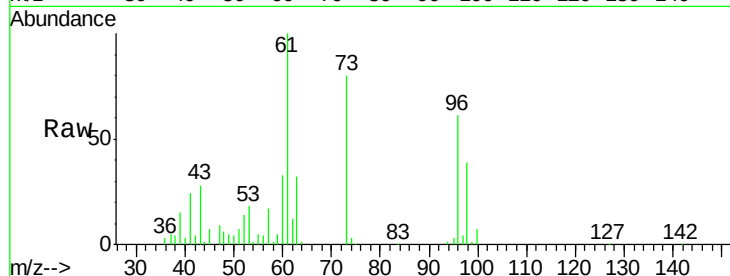
Tot Ion: 96 Resp: 463764

Ion Ratio Lower Upper

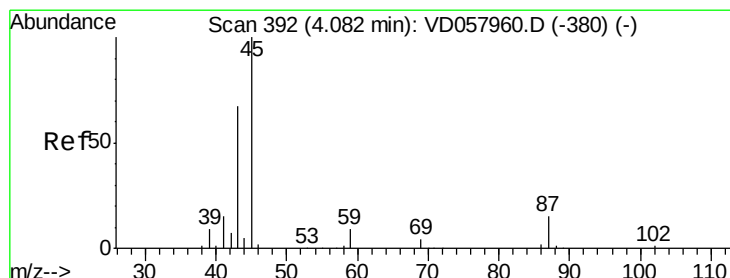
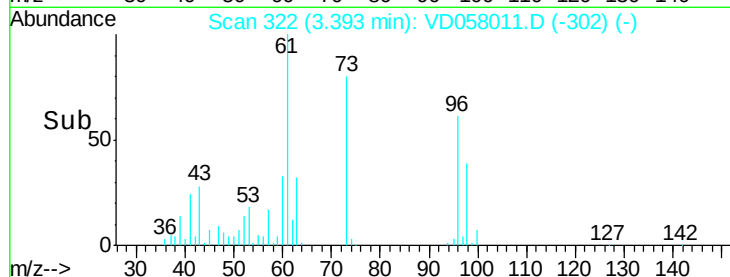
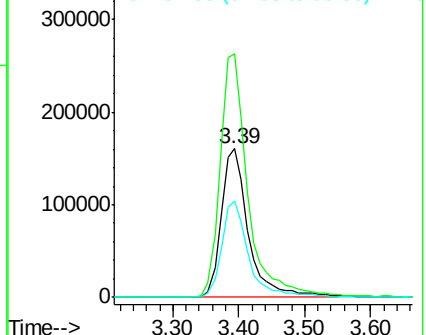
96 100

61 163.8 135.2 202.8

98 64.6 51.7 77.5



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



#22

Diisopropyl ether

Concen: 50.12 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Tgt Ion: 45 Resp: 1840805

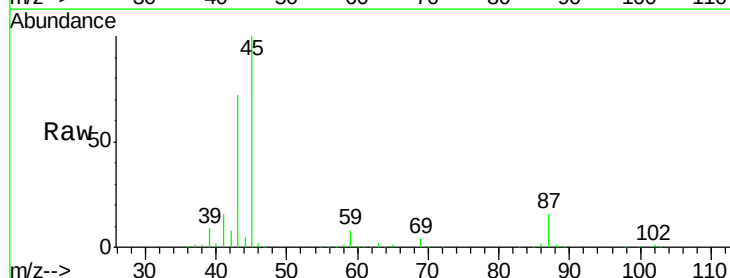
Ion Ratio Lower Upper

45 100

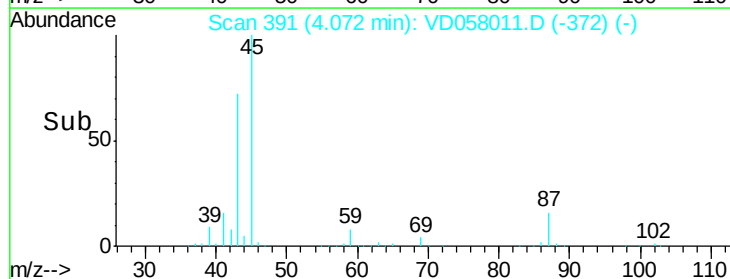
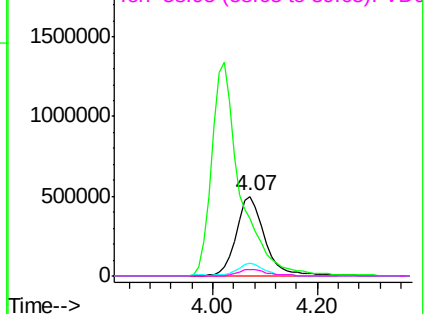
43 72.0 53.8 80.8

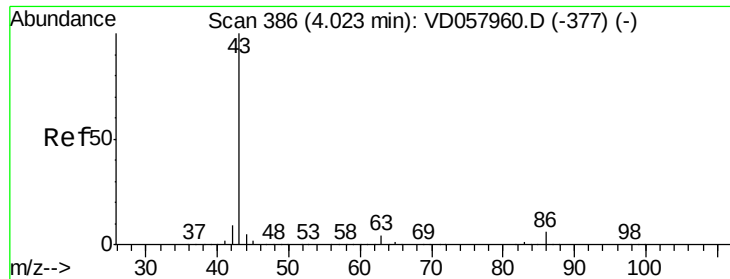
87 15.5 12.5 18.7

59 8.4 7.3 10.9



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





#23

Vinyl Acetate

Concen: 265.44 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

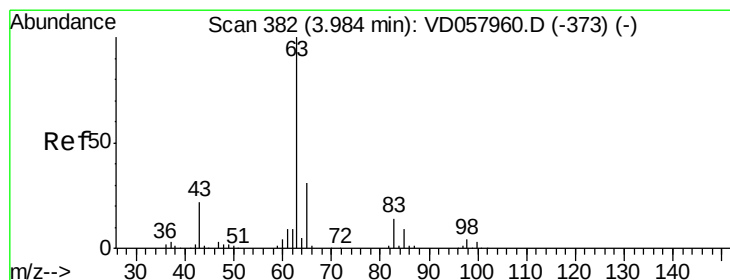
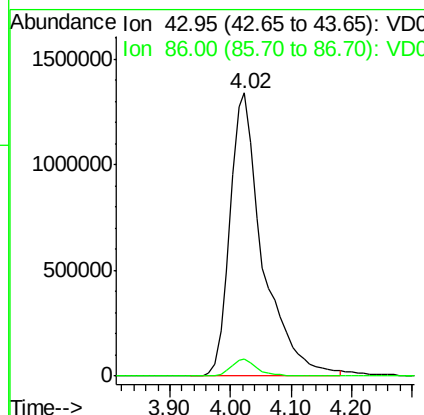
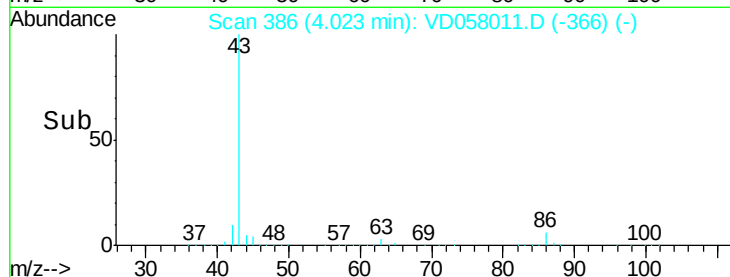
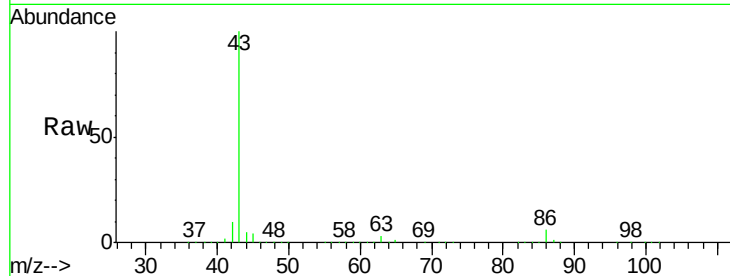
VSTDCCC050

Tot Ion: 43 Resp: 5036924

Ion Ratio Lower Upper

43 100

86 5.9 4.7 7.1



#24

1,1-Dichloroethane

Concen: 49.35 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

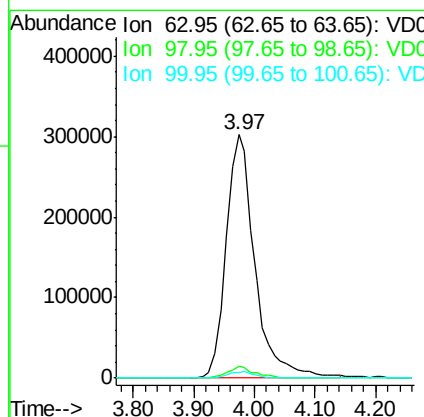
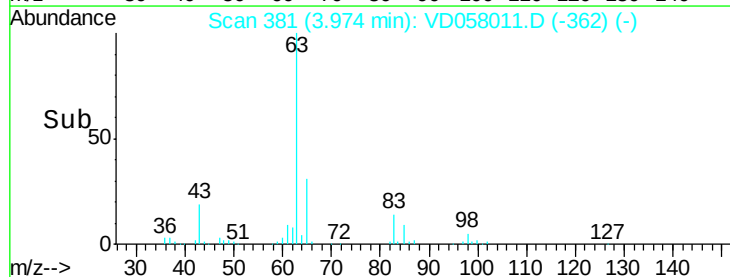
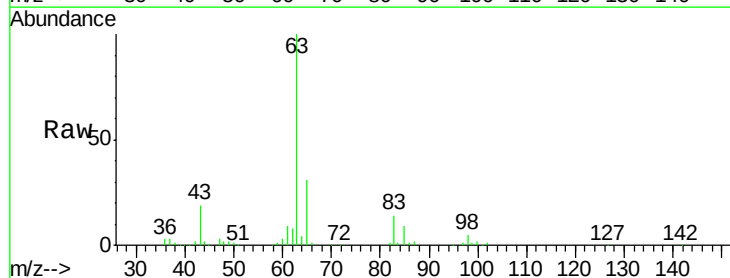
Tgt Ion: 63 Resp: 996101

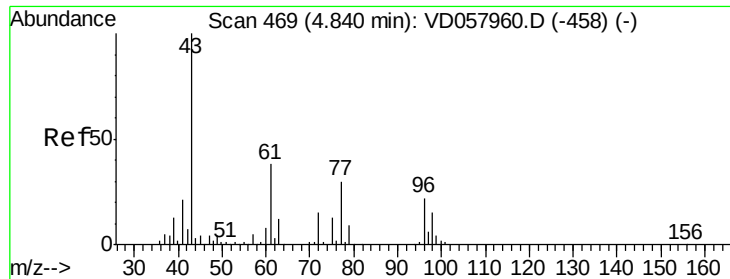
Ion Ratio Lower Upper

63 100

98 4.7 2.0 5.8

100 2.3 1.4 4.2

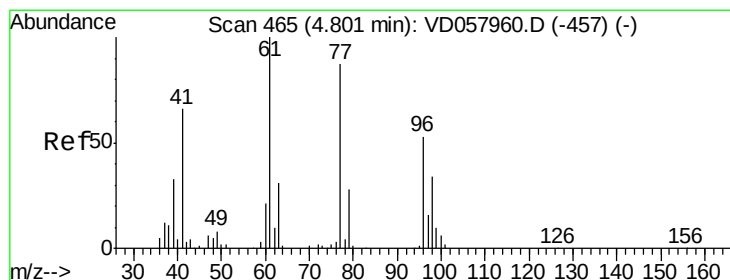
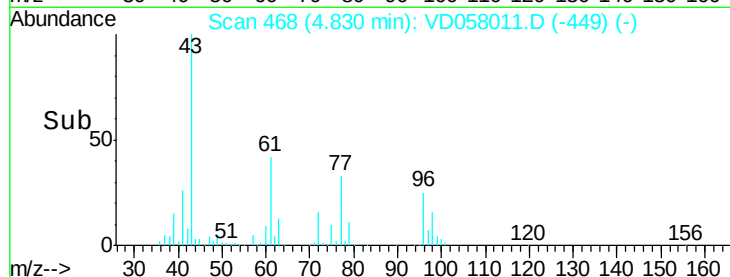
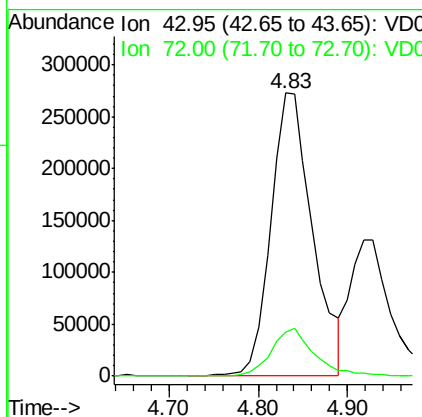
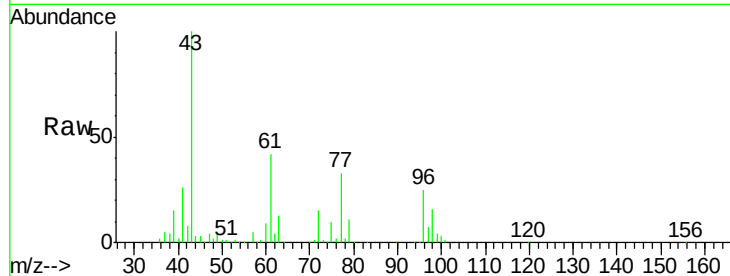




#25
2-Butanone
Concen: 269.50 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

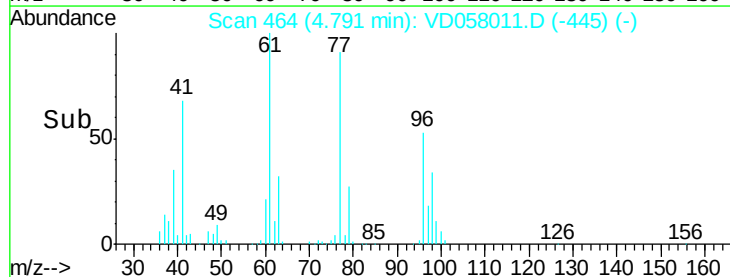
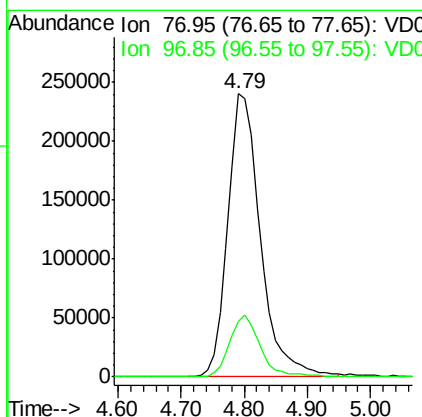
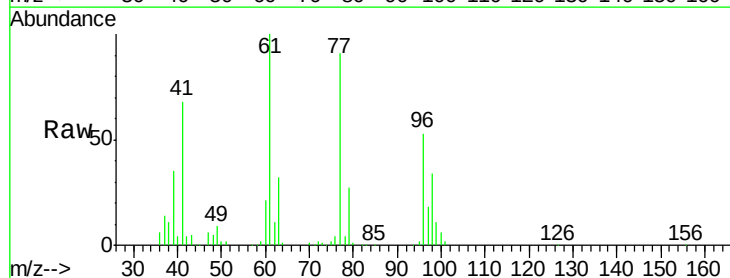
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

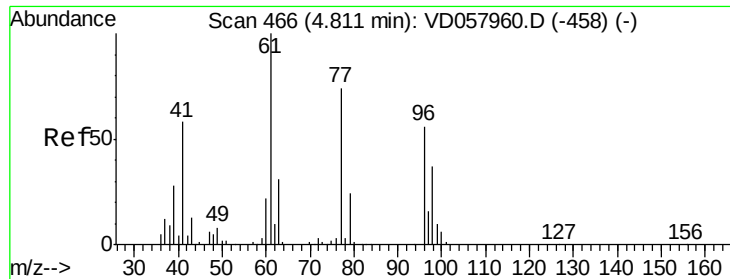
Tot Ion: 43 Resp: 883945
Ion Ratio Lower Upper
43 100
72 15.5 12.0 18.0



#26
2,2-Dichloropropane
Concen: 51.66 ug/l
RT: 4.79 min Scan# 464
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 77 Resp: 858967
Ion Ratio Lower Upper
77 100
97 19.6 9.2 27.6





#27

cis-1,2-Dichloroethene

Concen: 50.76 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

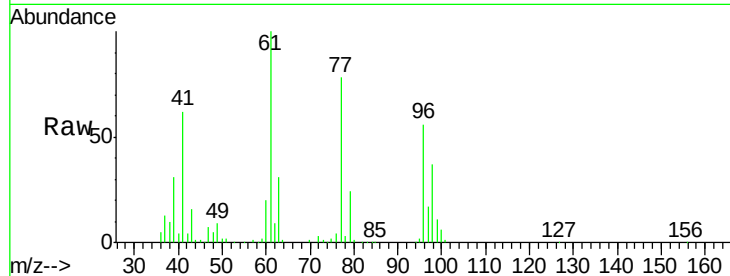
Tot Ion: 96 Resp: 538865

Ion Ratio Lower Upper

96 100

61 178.4 0.0 355.0

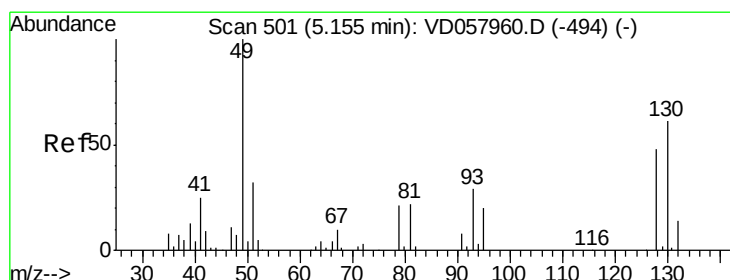
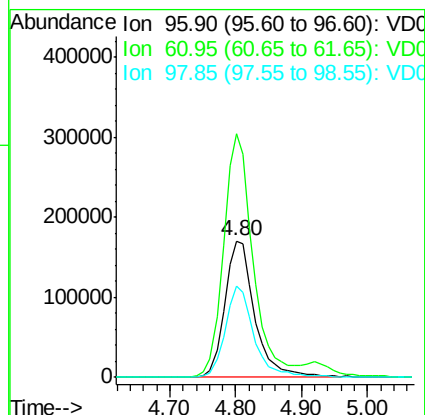
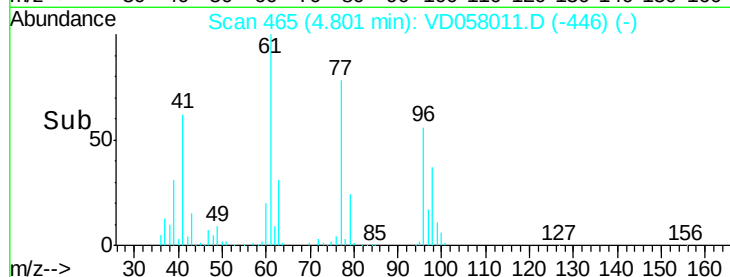
98 66.8 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 53.90 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

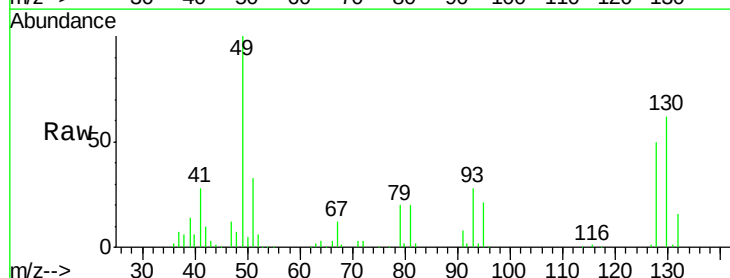
Tgt Ion: 49 Resp: 470846

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

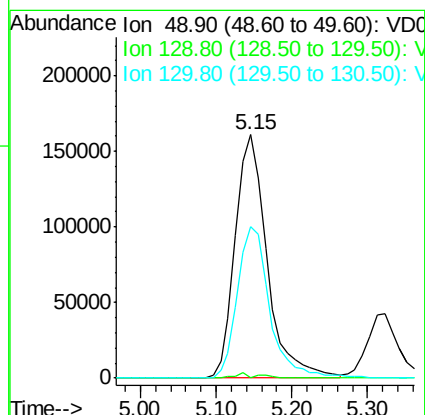
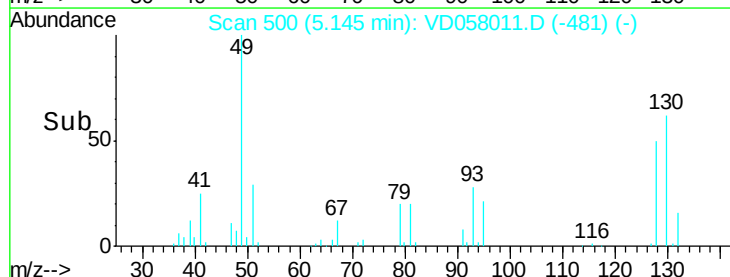
130 62.3 48.8 73.2

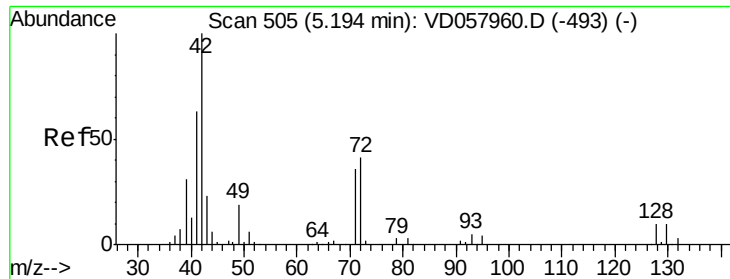


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

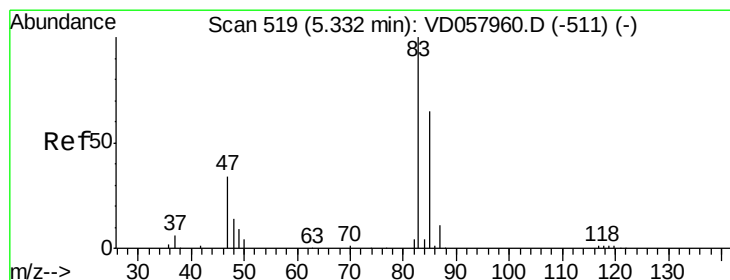
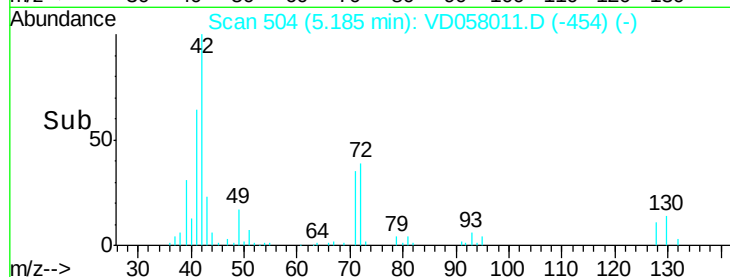
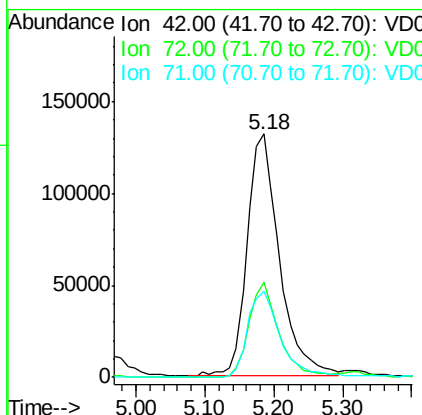
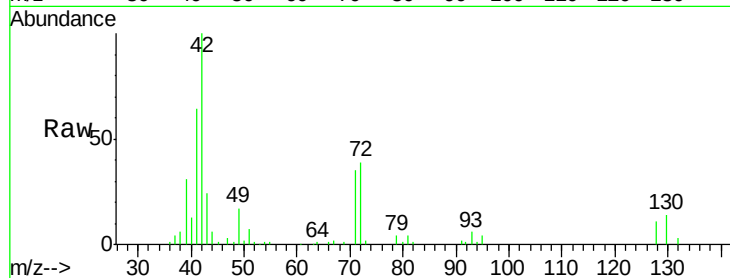




#29
Tetrahydrofuran
Concen: 250.88 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

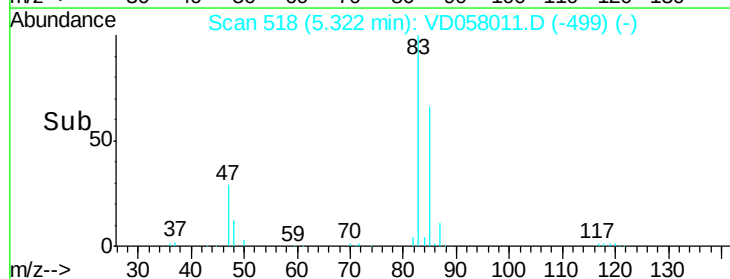
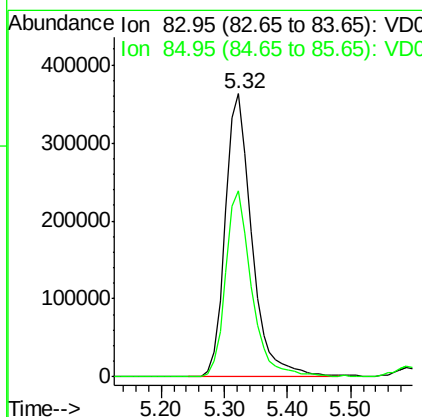
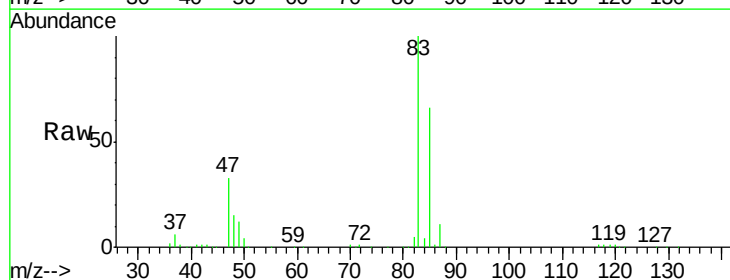
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

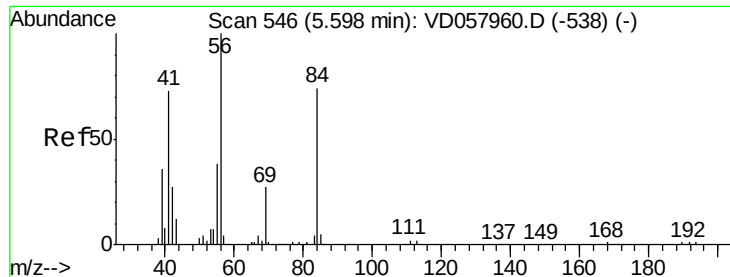
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	28.5	42.7
71	35.8	27.9	41.9



#30
Chloroform
Concen: 52.20 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.6	77.4

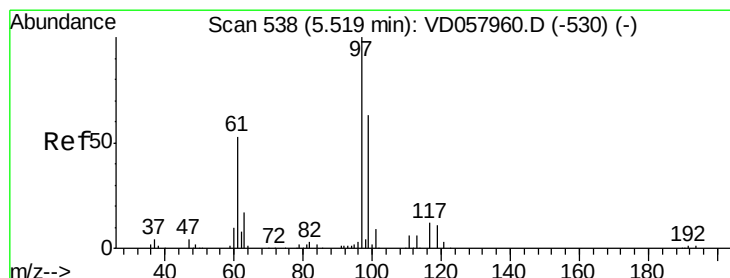
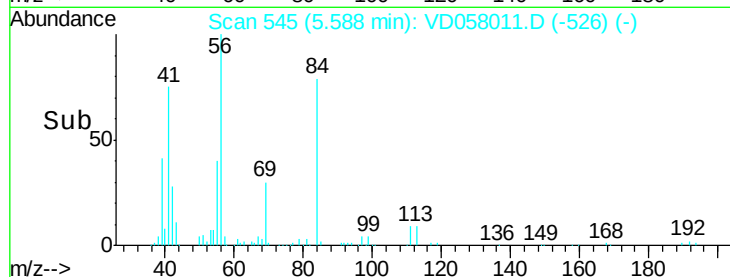
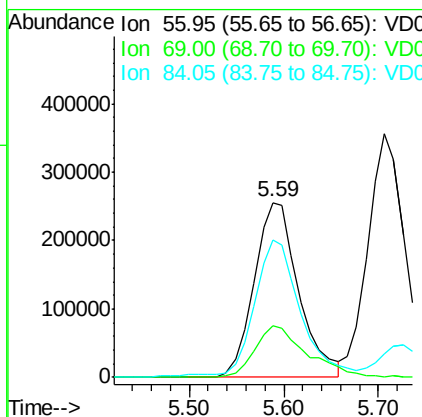
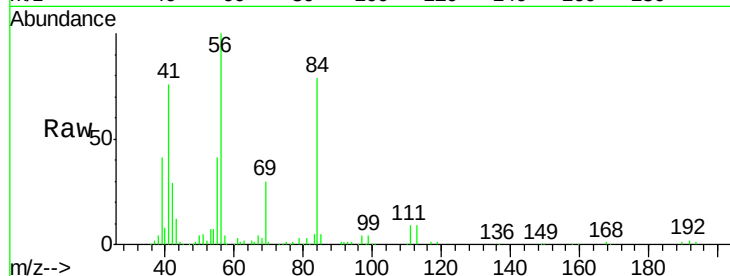




#31
Cyclohexane
Concen: 47.82 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

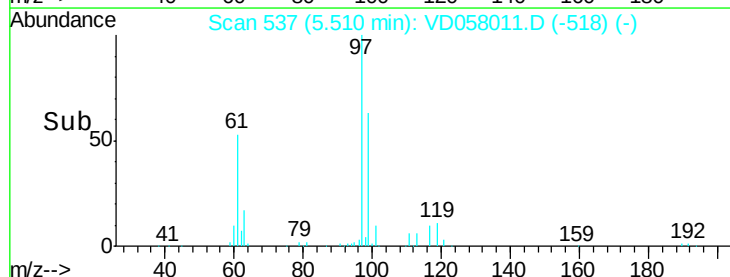
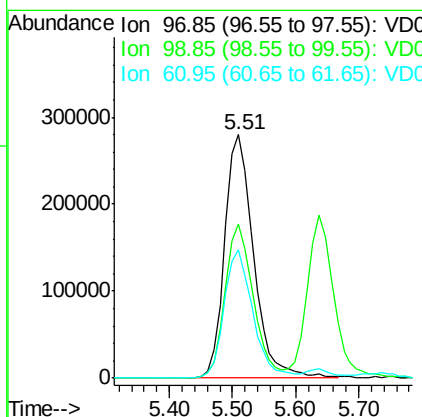
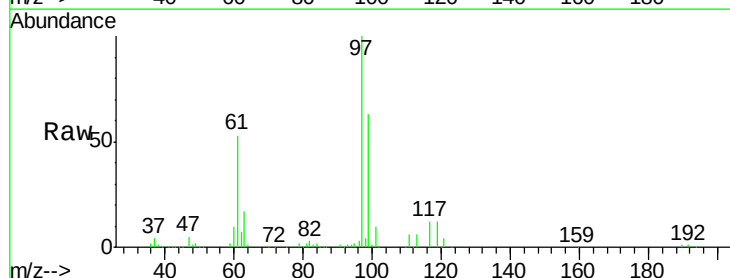
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

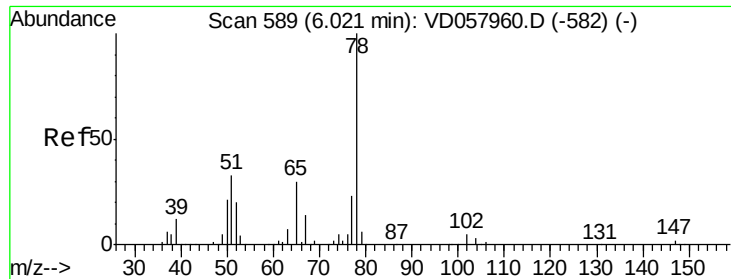
Tot Ion: 56 Resp: 832939
Ion Ratio Lower Upper
56 100
69 29.9 21.5 32.3
84 78.9 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 52.29 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 97 Resp: 889383
Ion Ratio Lower Upper
97 100
99 63.5 50.1 75.1
61 52.7 42.2 63.4

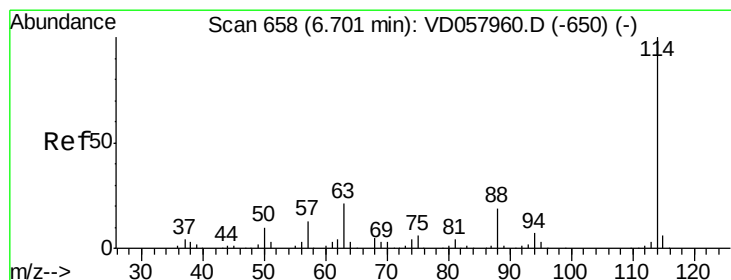
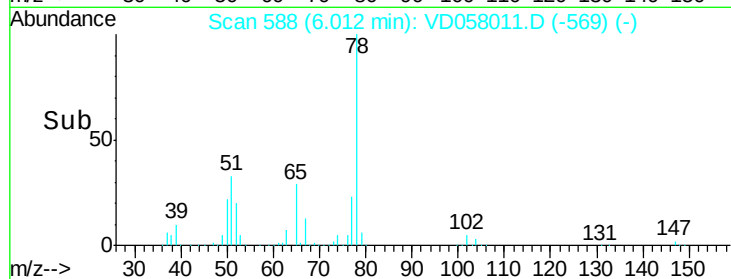
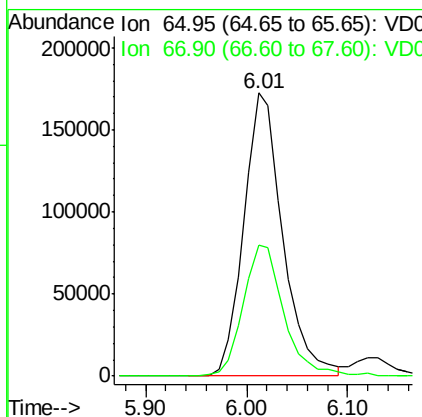
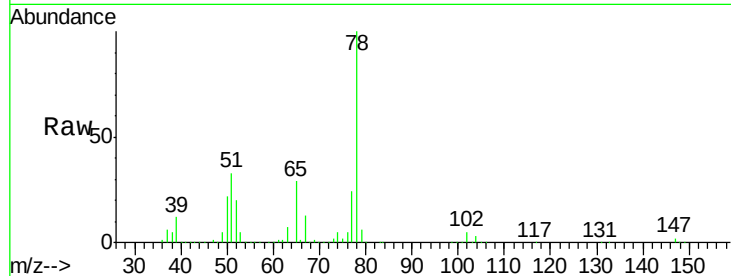




#33
 1,2-Dichloroethane-d4
 Concen: 52.29 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

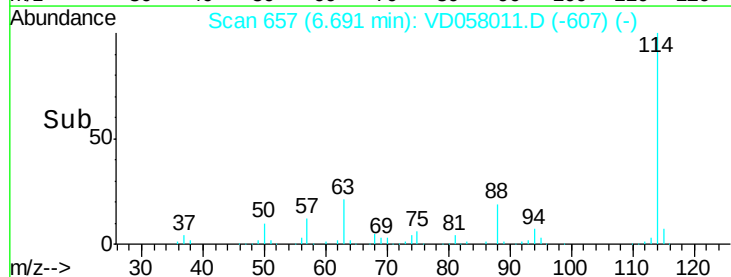
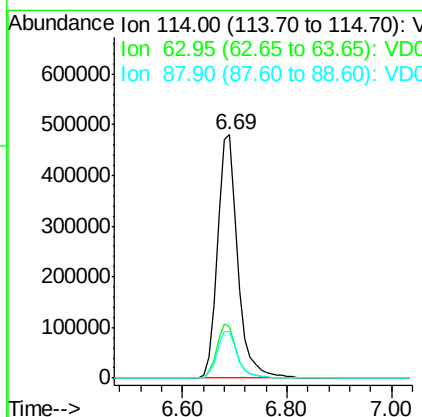
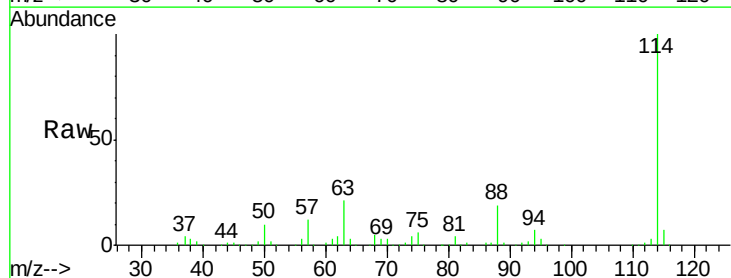
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

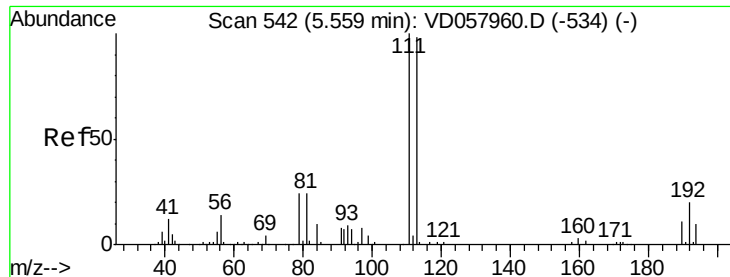
Tot Ion: 65 Resp: 463707
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion: 114 Resp: 1291873
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 19.0 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

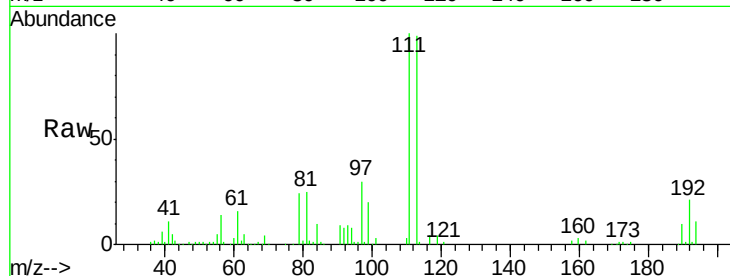
Tot Ion:113 Resp: 513723

Ion Ratio Lower Upper

113 100

111 100.6 81.5 122.3

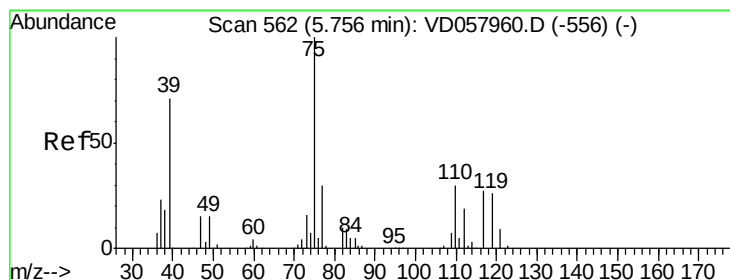
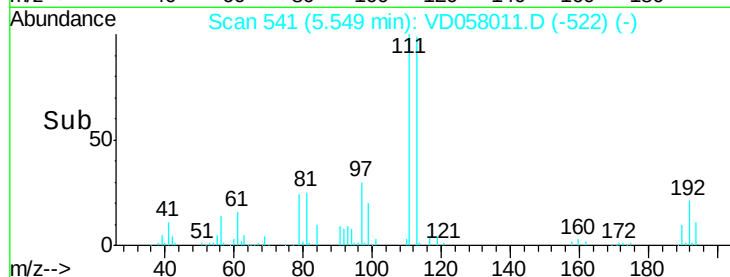
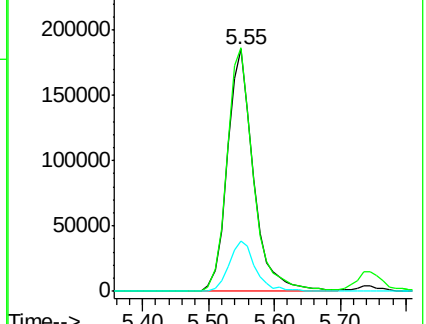
192 20.7 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.32 ug/l

RT: 5.75 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

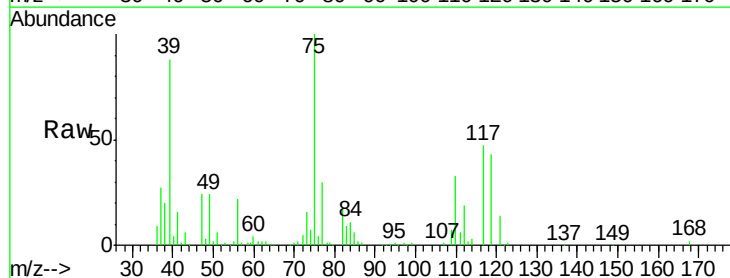
Tgt Ion: 75 Resp: 716262

Ion Ratio Lower Upper

75 100

110 32.6 14.8 44.3

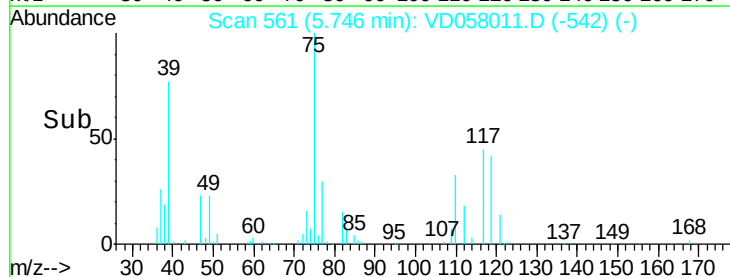
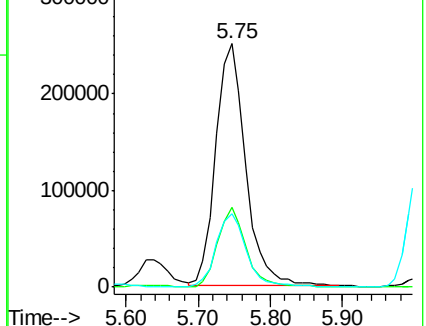
77 30.2 23.9 35.9

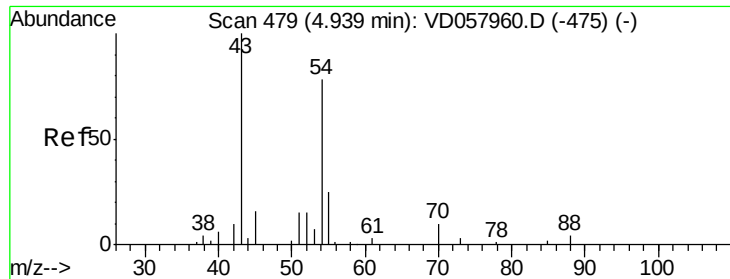


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

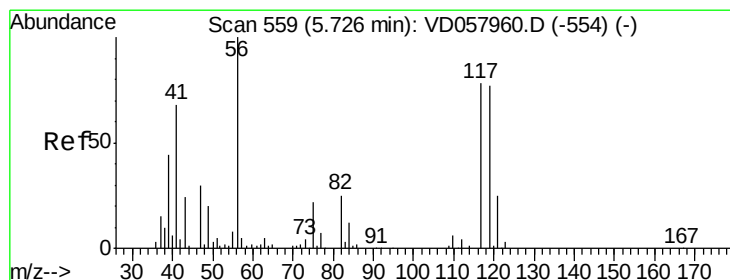
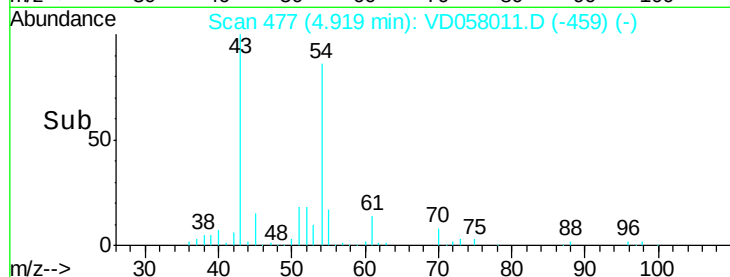
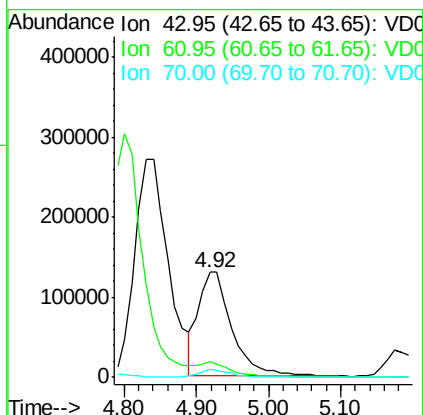
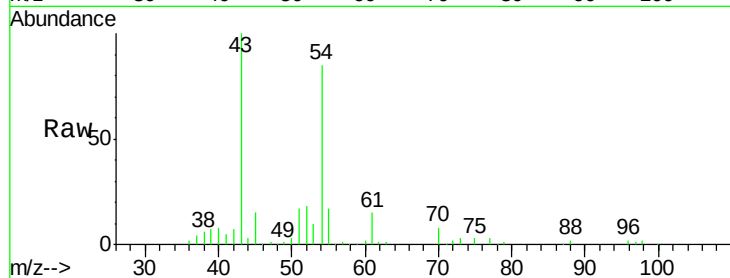




#37
Ethyl Acetate
Concen: 53.16 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

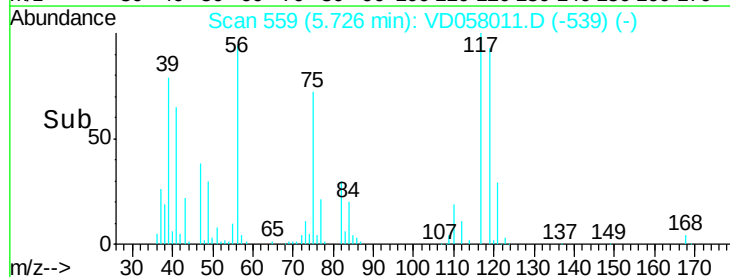
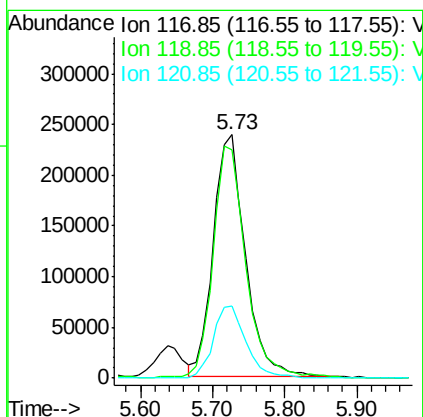
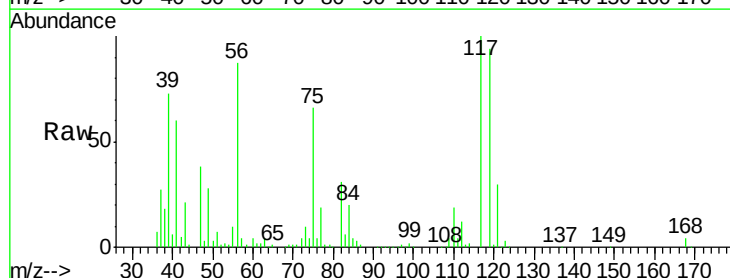
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

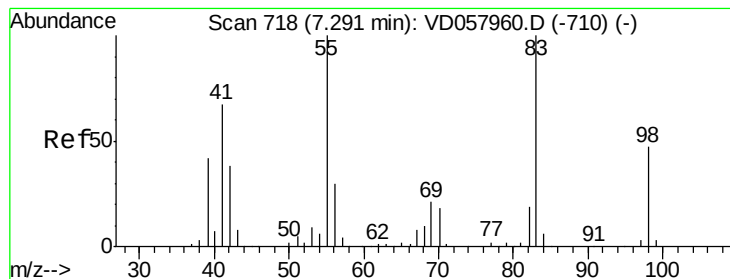
Tot Ion: 43 Resp: 412885
Ion Ratio Lower Upper
43 100
61 15.3 9.9 14.9#
70 8.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 52.14 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 117 Resp: 731349
Ion Ratio Lower Upper
117 100
119 94.0 76.1 114.1
121 29.5 24.9 37.3





#39

Methylvlcyclohexane

Concen: 53.41 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

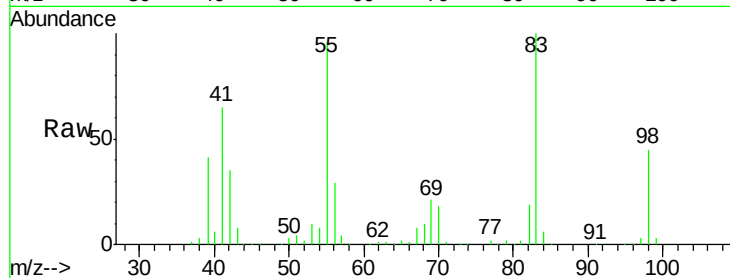
Tot Ion: 83 Resp: 753520

Ion Ratio Lower Upper

83 100

55 95.6 80.3 120.5

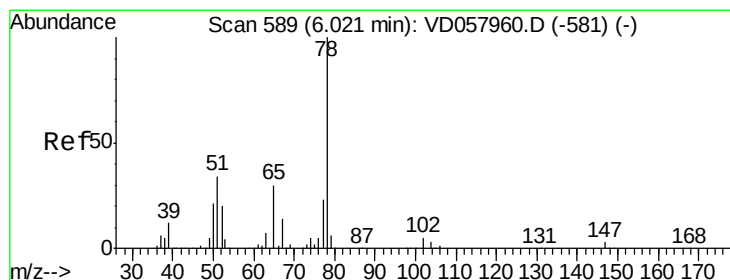
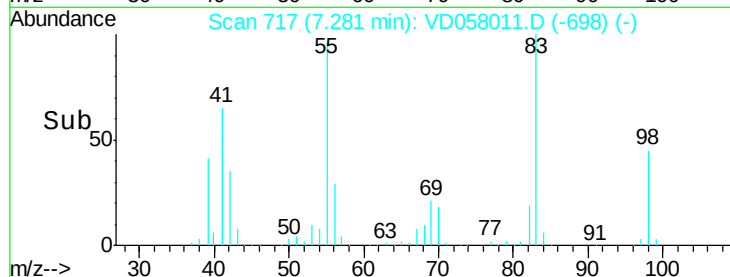
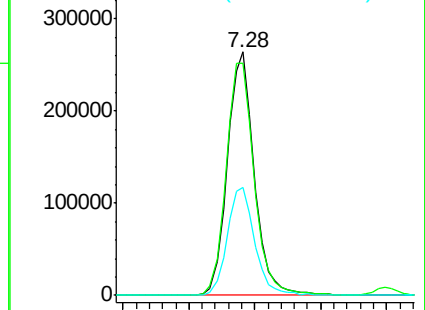
98 44.6 38.0 57.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.50 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058011.D

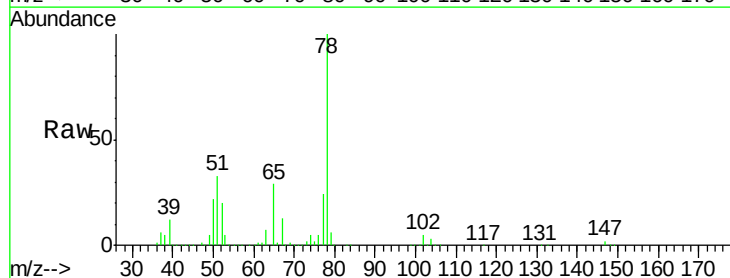
Acq: 8 Jun 2018 11:45

Tgt Ion: 78 Resp: 1745648

Ion Ratio Lower Upper

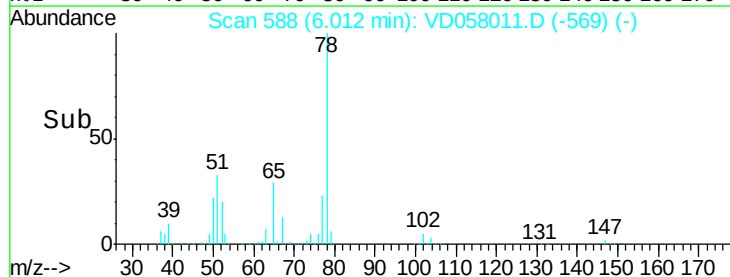
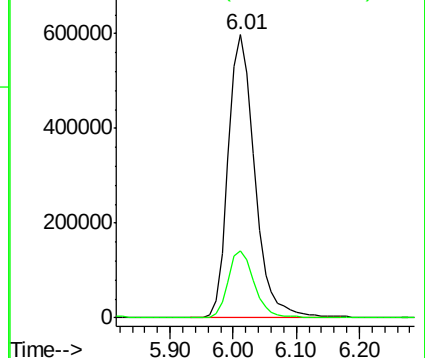
78 100

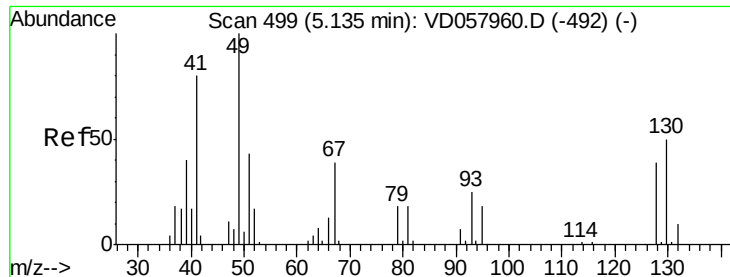
77 23.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 55.37 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 196620

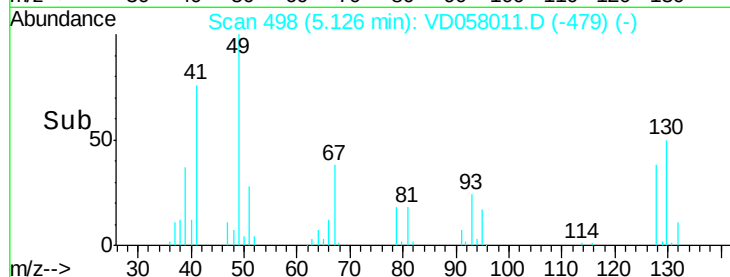
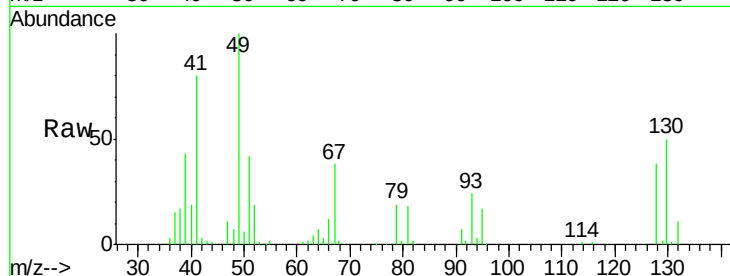
Ion Ratio Lower Upper

41 100

39 53.6 40.7 61.1

67 47.8 38.8 58.2

52 23.7 17.3 25.9

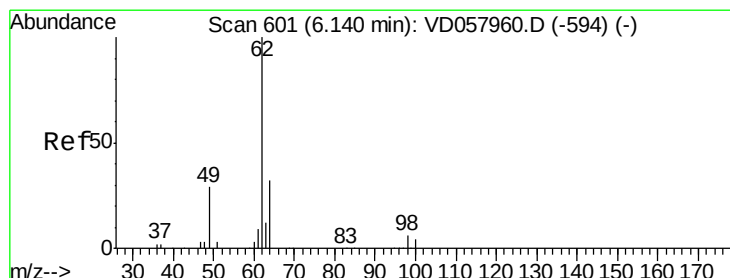
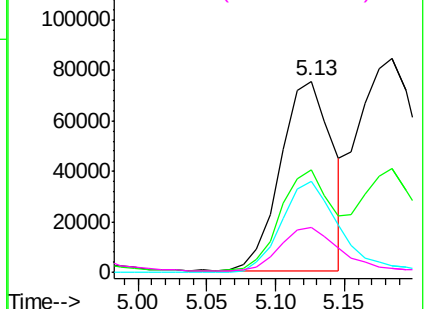


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.22 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD058011.D

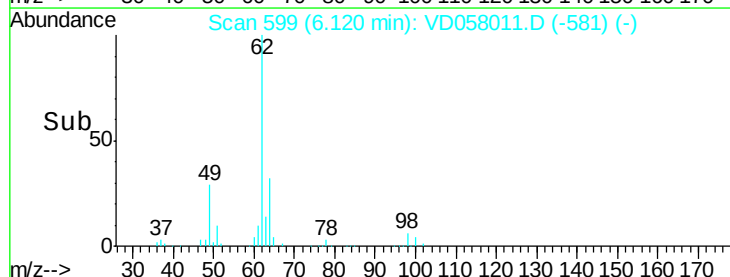
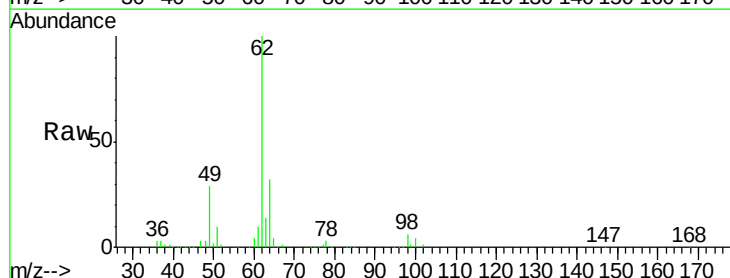
Acq: 8 Jun 2018 11:45

Tgt Ion: 62 Resp: 715461

Ion Ratio Lower Upper

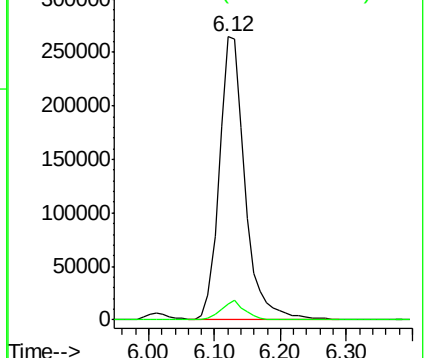
62 100

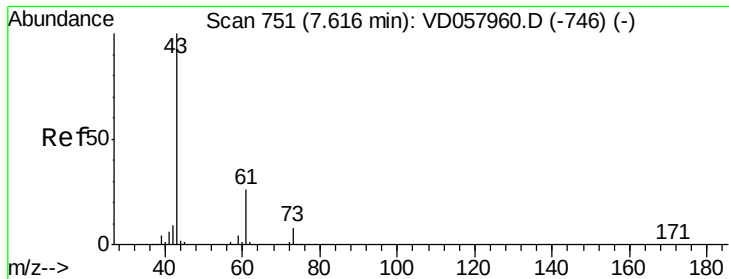
98 5.8 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



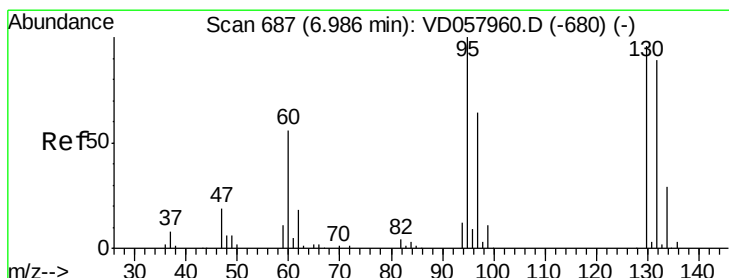
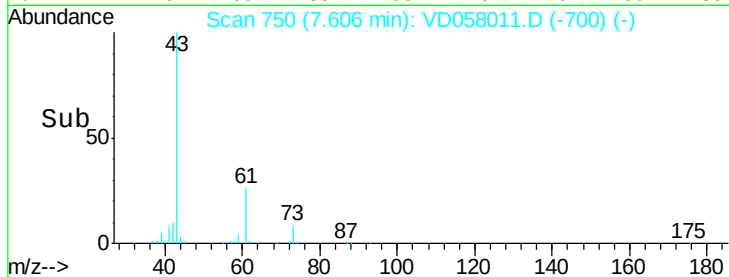
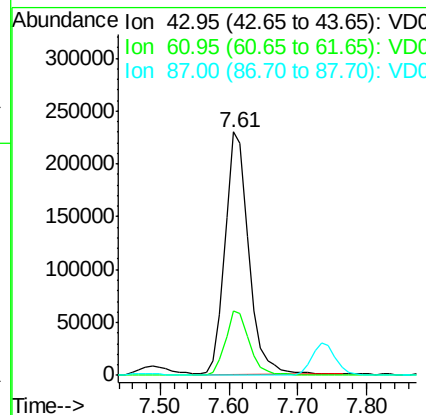
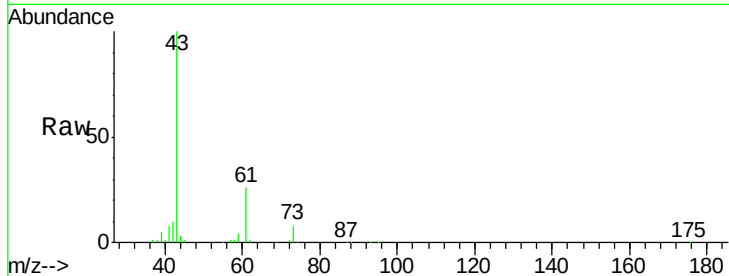


#43

Isopropyl Acetate
 Concen: 53.53 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

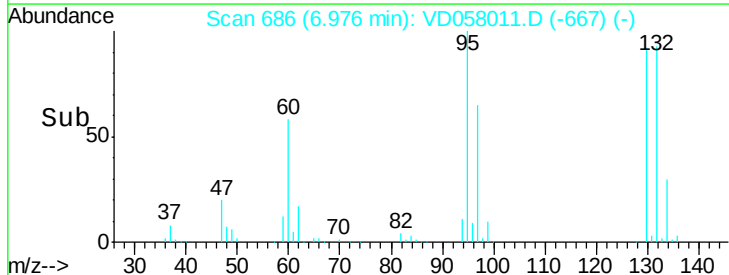
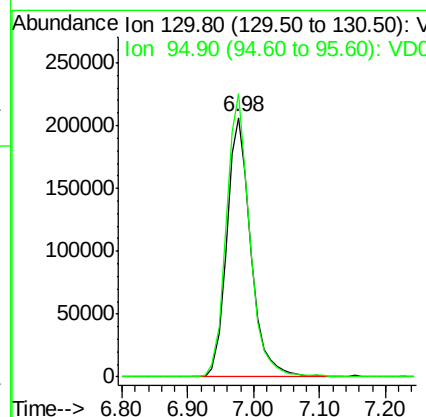
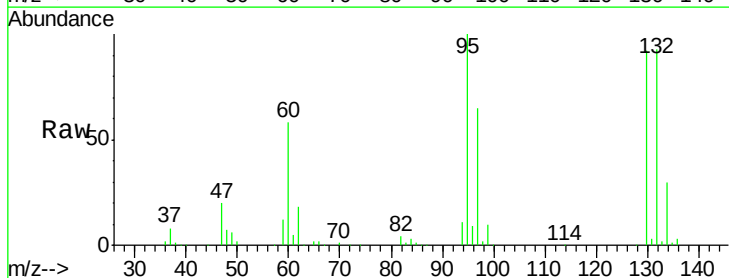
Tot Ion: 43 Resp: 544488
 Ion Ratio Lower Upper
 43 100
 61 26.5 20.6 30.8
 87 0.3 0.2 0.4

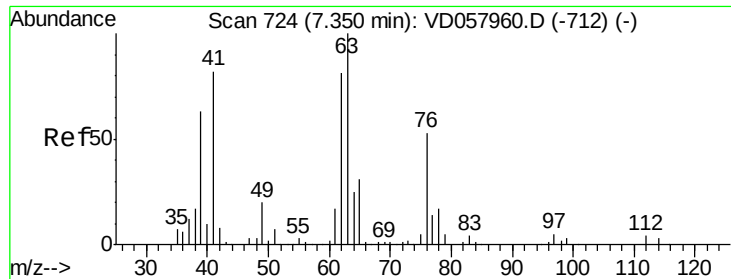


#44

Trichloroethene
 Concen: 54.19 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion: 130 Resp: 526279
 Ion Ratio Lower Upper
 130 100
 95 109.0 0.0 207.4





#45

1,2-Dichloropropane

Concen: 52.77 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

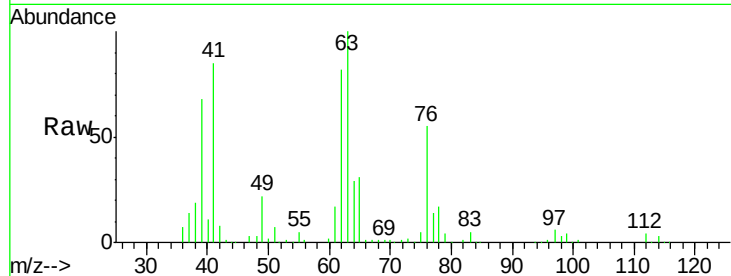
VSTDCCC050

Tot Ion: 63 Resp: 487637

Ion Ratio Lower Upper

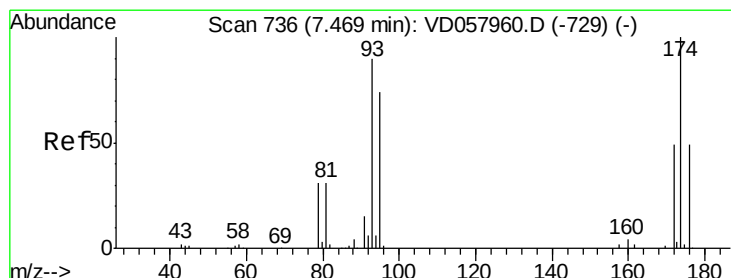
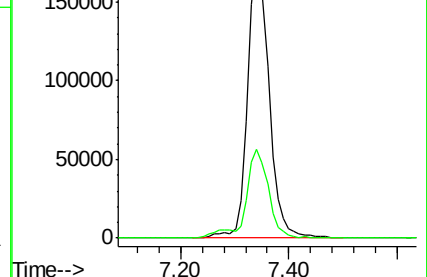
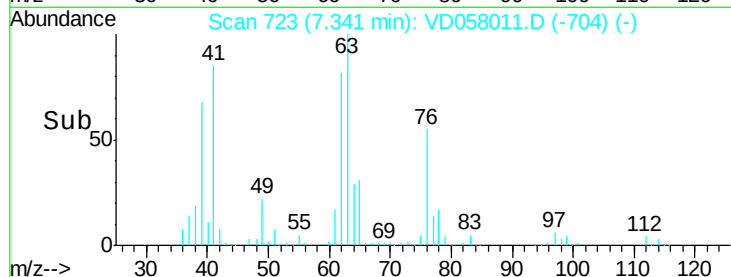
63 100

65 31.5 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.08 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

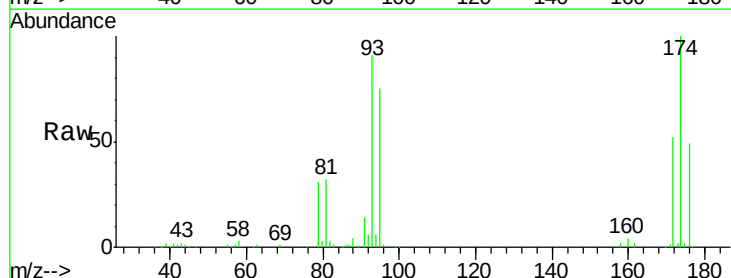
Tgt Ion: 93 Resp: 315118

Ion Ratio Lower Upper

93 100

95 82.5 65.7 98.5

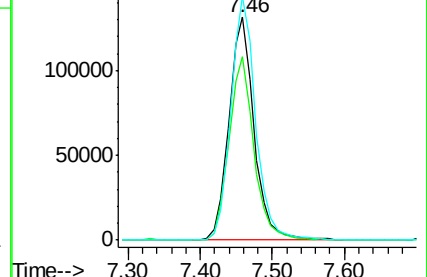
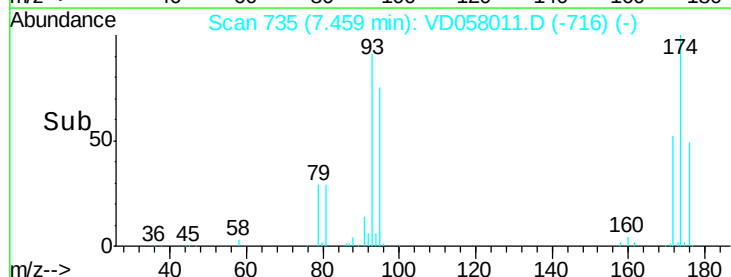
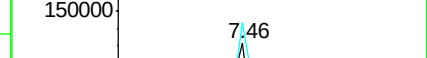
174 109.3 89.0 133.4

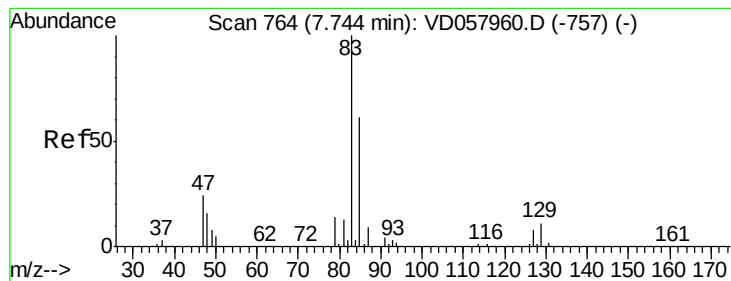


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.34 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

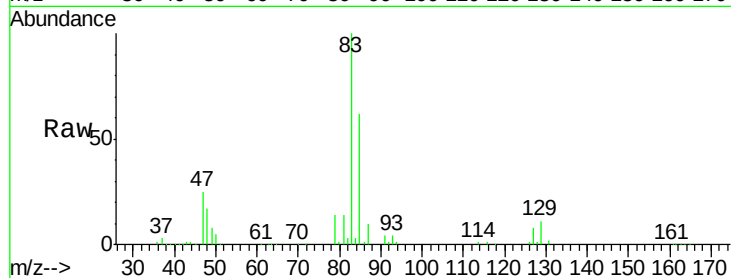
Tot Ion: 83 Resp: 755340

Ion Ratio Lower Upper

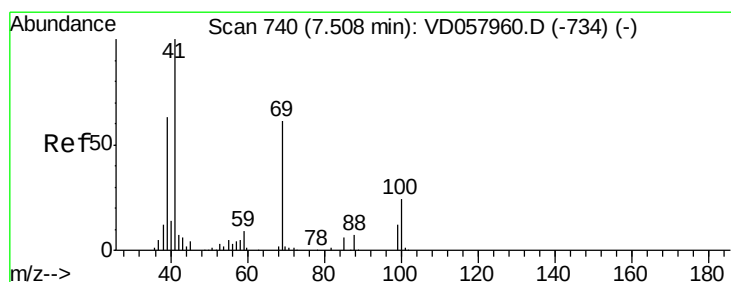
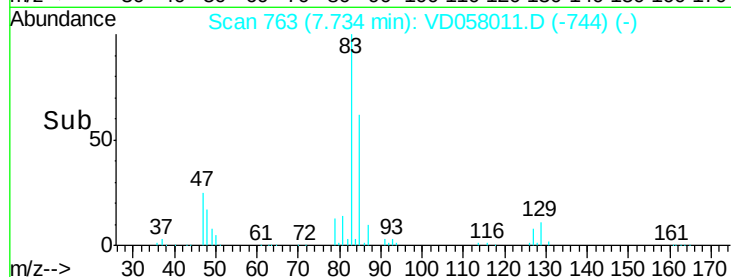
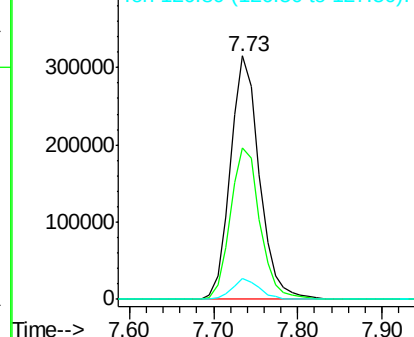
83 100

85 62.5 49.1 73.7

127 8.3 6.2 9.2



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



#48

Methyl methacrylate

Concen: 52.80 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

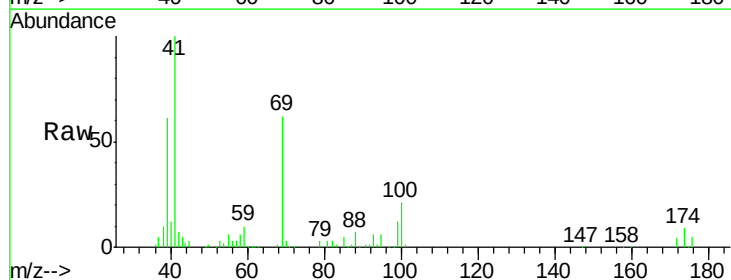
Tgt Ion: 41 Resp: 330599

Ion Ratio Lower Upper

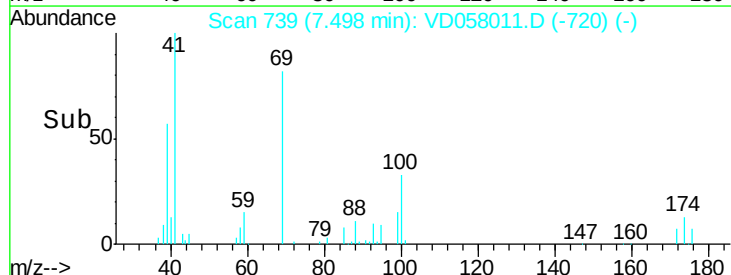
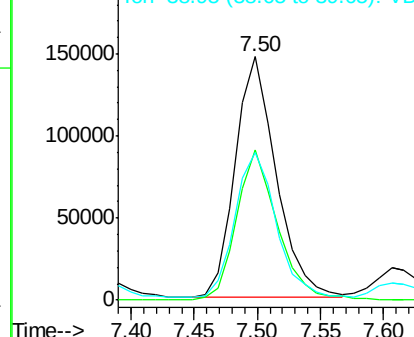
41 100

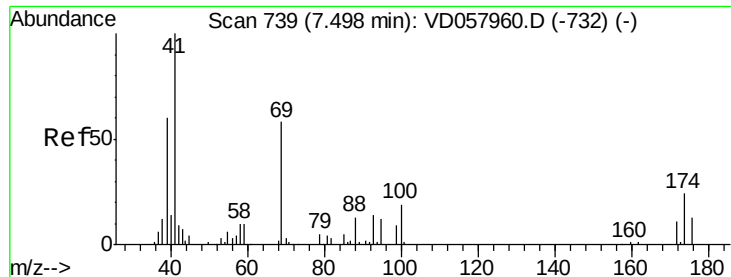
69 61.6 48.0 72.0

39 60.7 50.7 76.1



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

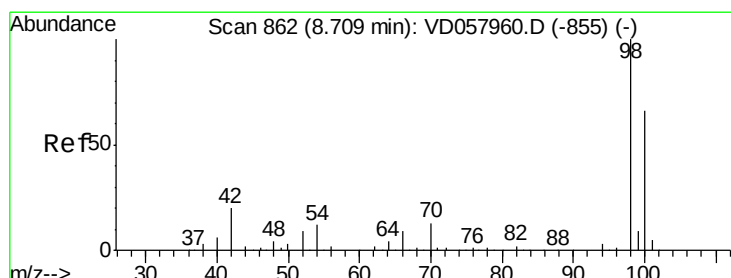
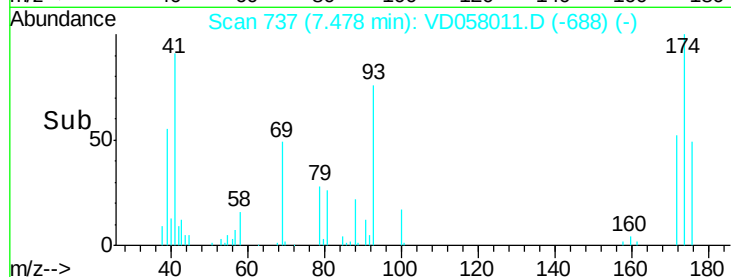
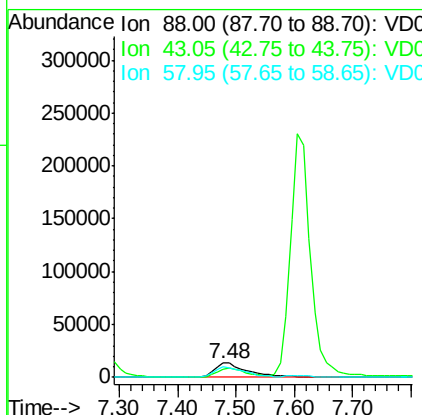
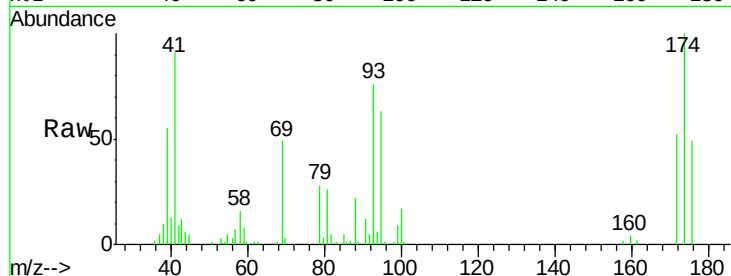




#49
1,4-Dioxane
Concen: 1082.41 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.02 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

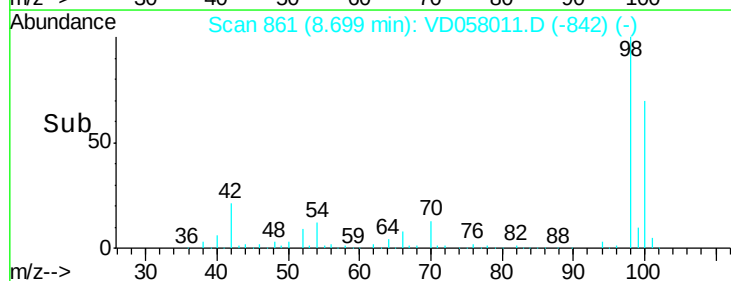
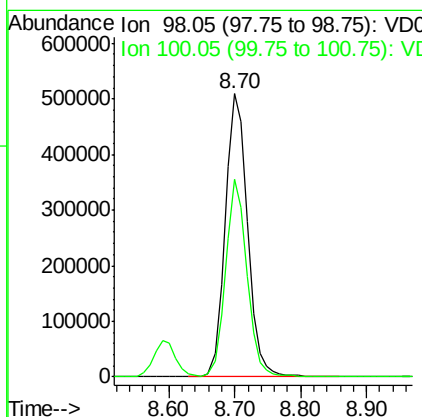
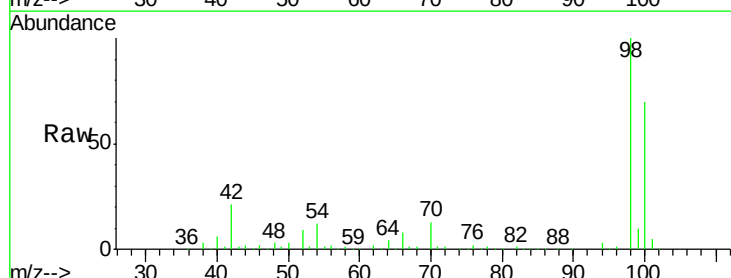
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

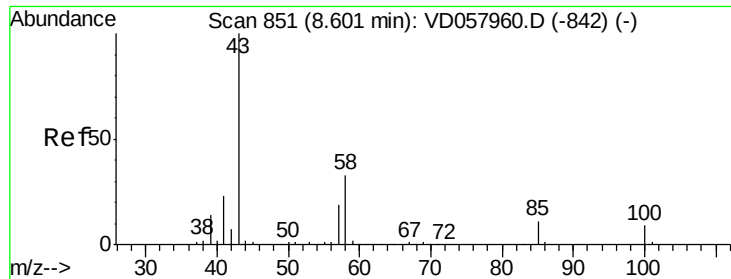
Tot Ion: 88 Resp: 56143
Ion Ratio Lower Upper
88 100
43 53.3 46.6 69.8
58 70.5 63.6 95.4



#50
Toluene-d8
Concen: 1082.41 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 98 Resp: 1209210
Ion Ratio Lower Upper
98 100
100 69.8 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 266.74 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

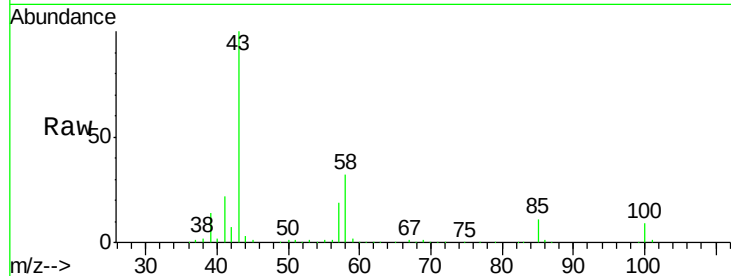
VSTDCCC050

Tot Ion: 43 Resp: 1740389

Ion Ratio Lower Upper

43 100

58 32.1 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.59

800000

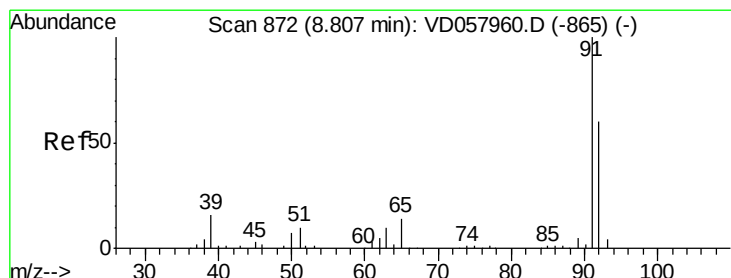
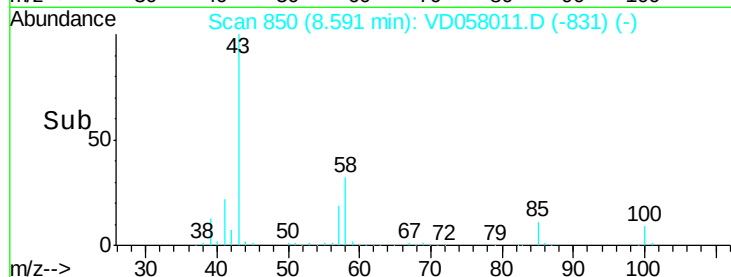
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.24 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058011.D

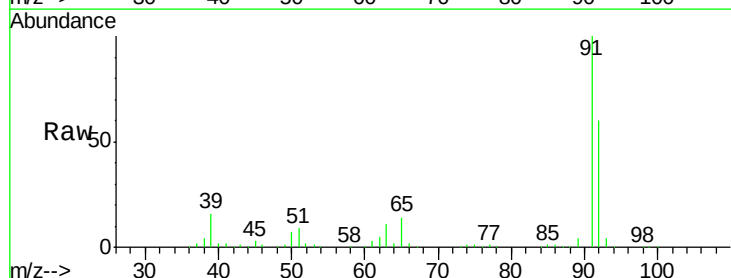
Acq: 8 Jun 2018 11:45

Tgt Ion: 92 Resp: 1015931

Ion Ratio Lower Upper

92 100

91 167.9 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

800000

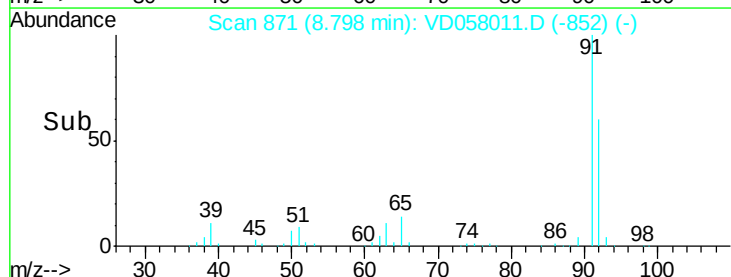
600000

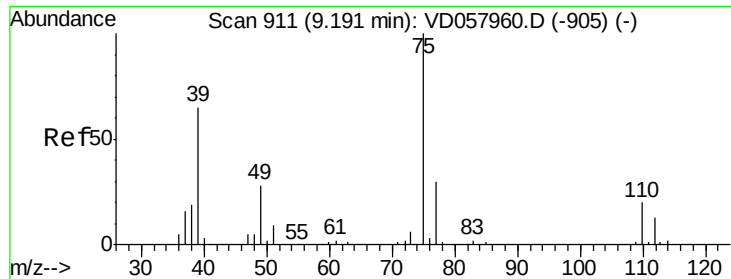
400000

200000

0

Time-->

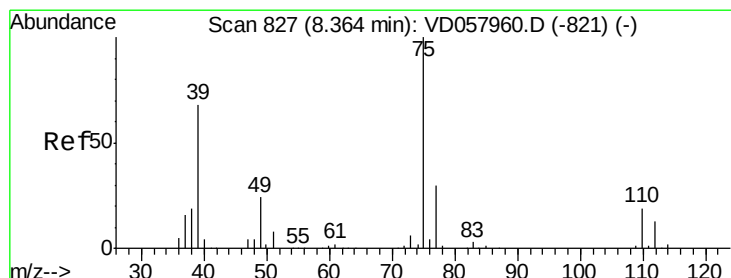
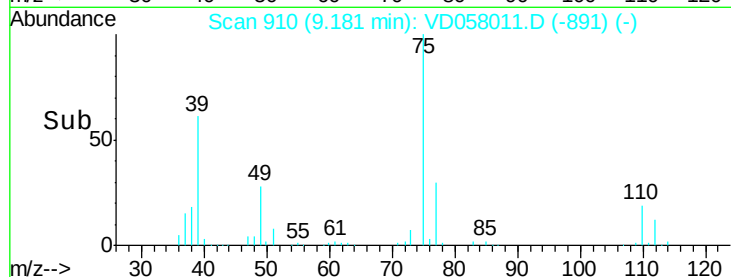
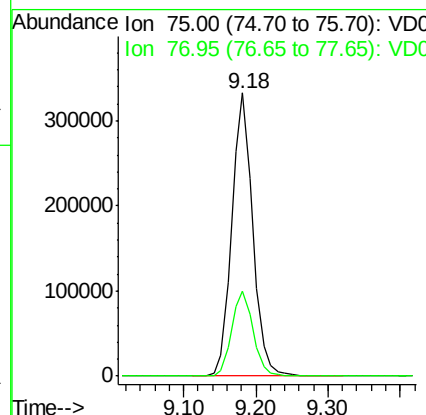
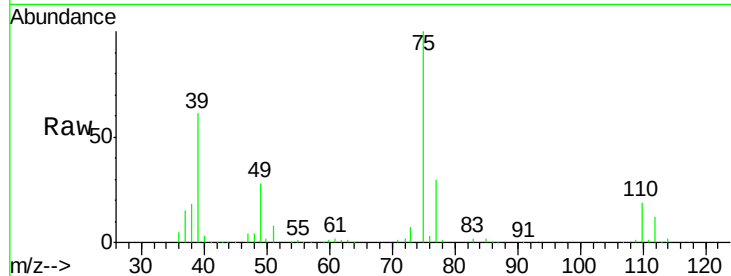




#53
 t-1,3-Dichloropropene
 Concen: 55.96 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

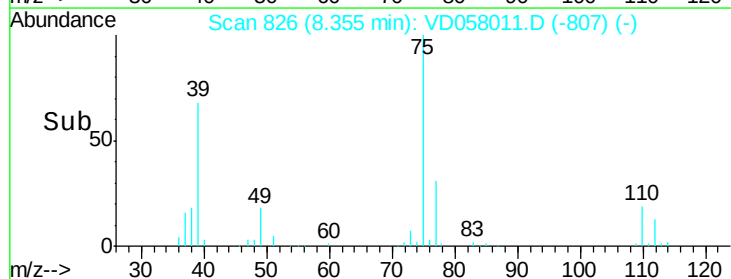
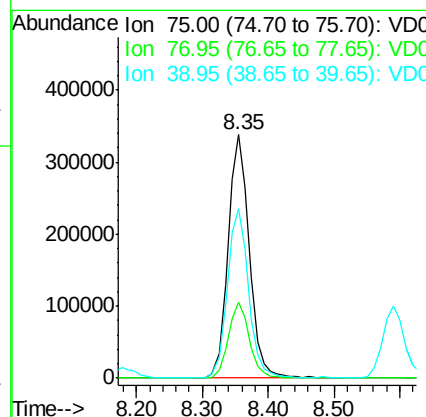
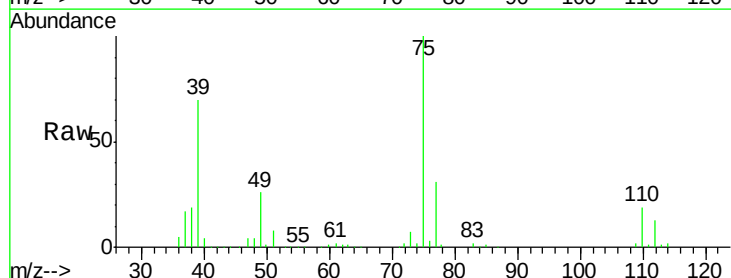
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

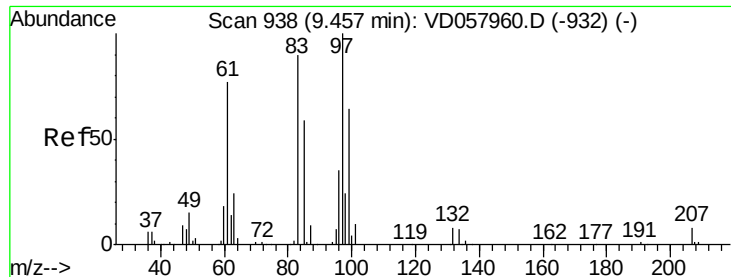
Tot Ion: 75 Resp: 670180
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 54.09 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion: 75 Resp: 763137
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.1 36.1
 39 69.7 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 52.36 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 323382

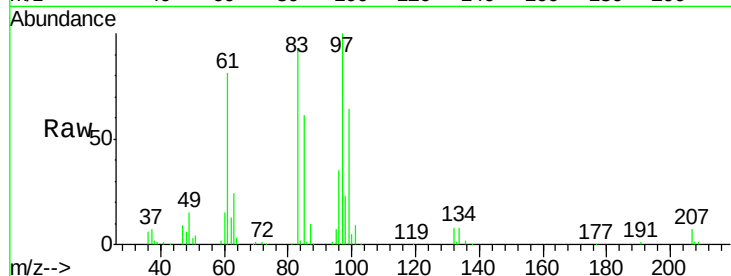
Ion Ratio Lower Upper

97 100

83 92.5 71.8 107.8

85 60.9 47.2 70.8

99 63.5 51.4 77.0

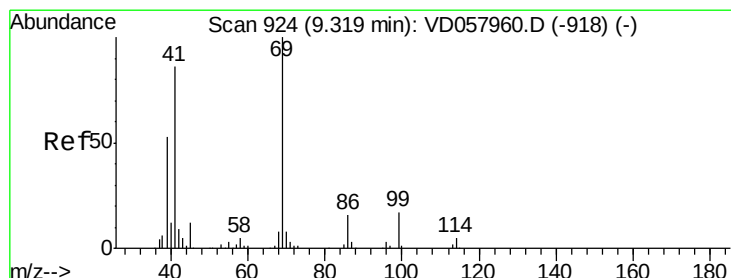
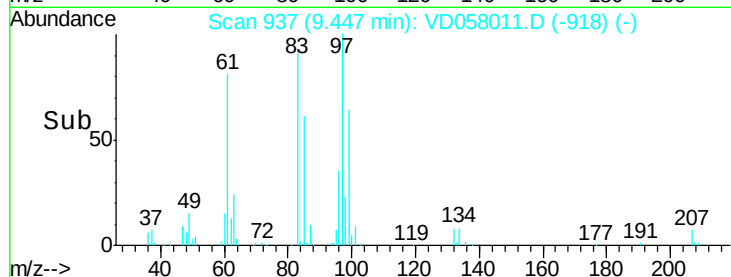
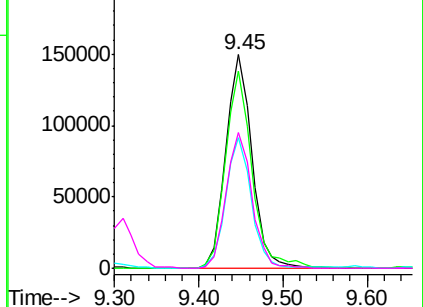


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 53.21 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

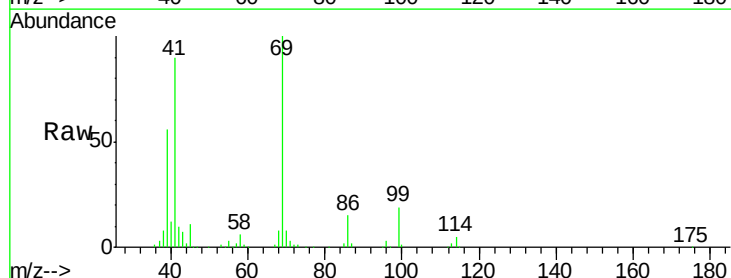
Tgt Ion: 69 Resp: 403110

Ion Ratio Lower Upper

69 100

41 90.1 68.4 102.6

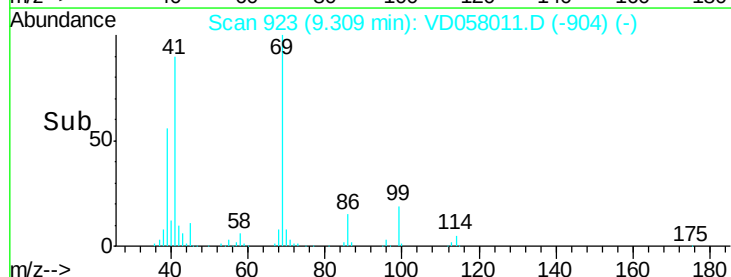
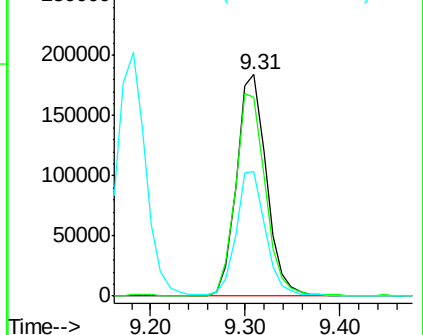
39 56.4 43.0 64.4

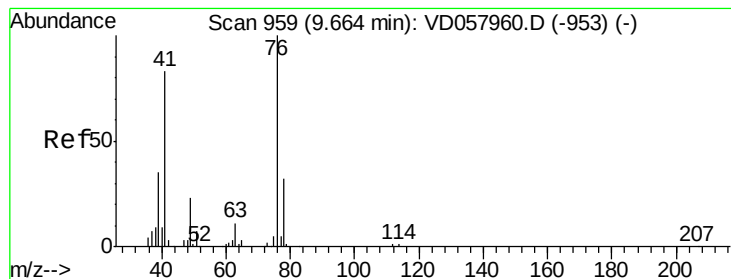


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.13 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

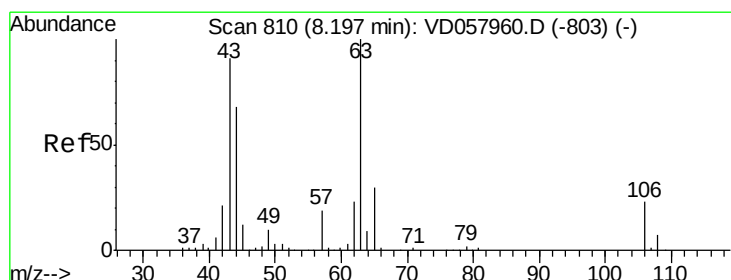
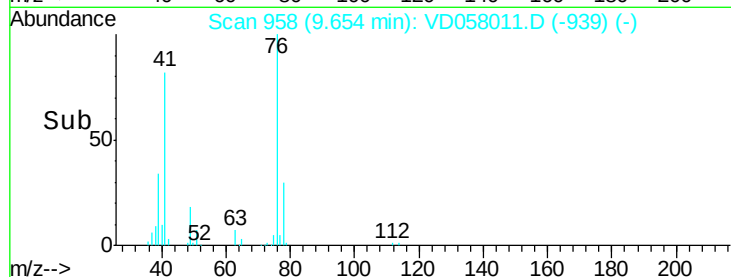
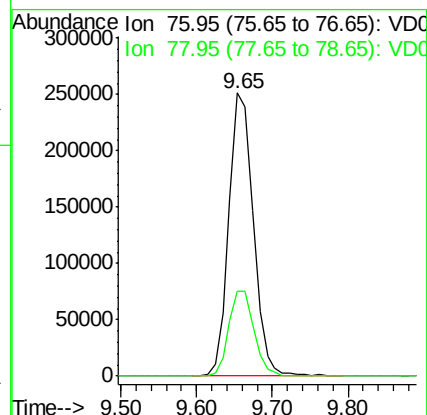
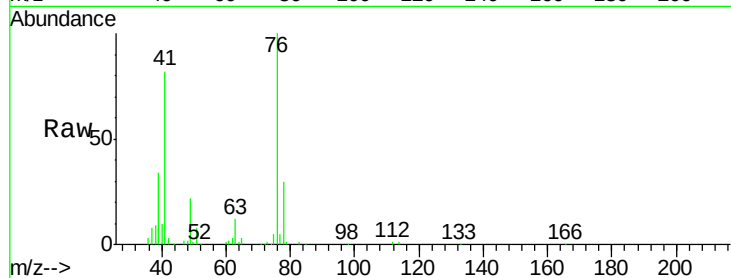
VSTDCCC050

Tot Ion: 76 Resp: 564677

Ion Ratio Lower Upper

76 100

78 30.0 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 258.38 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD058011.D

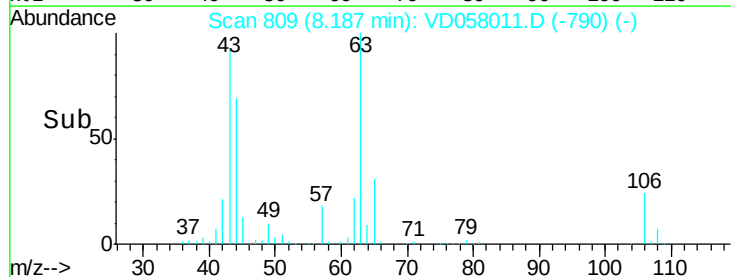
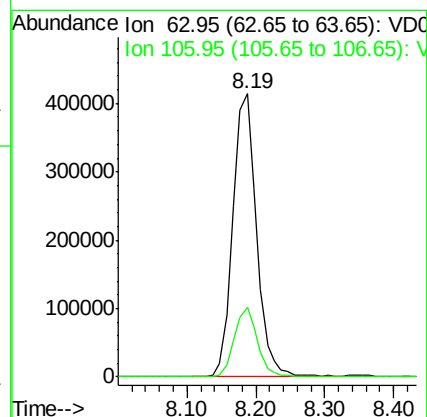
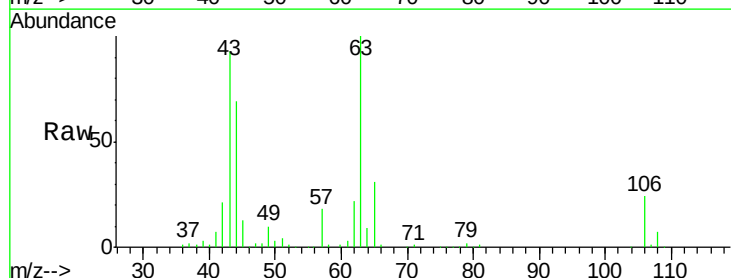
Acq: 8 Jun 2018 11:45

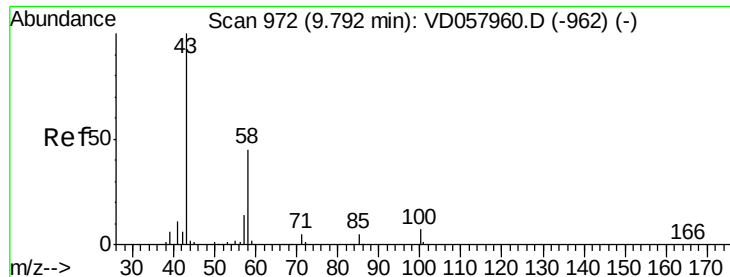
Tgt Ion: 63 Resp: 988901

Ion Ratio Lower Upper

63 100

106 24.4 18.7 28.1

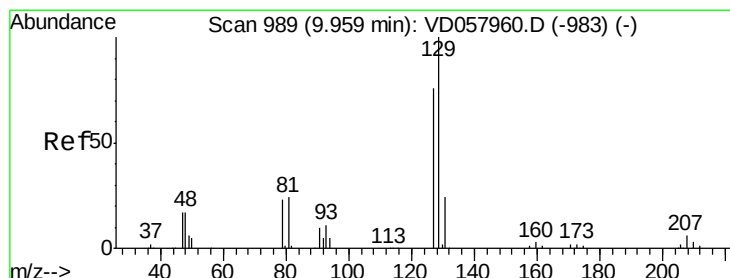
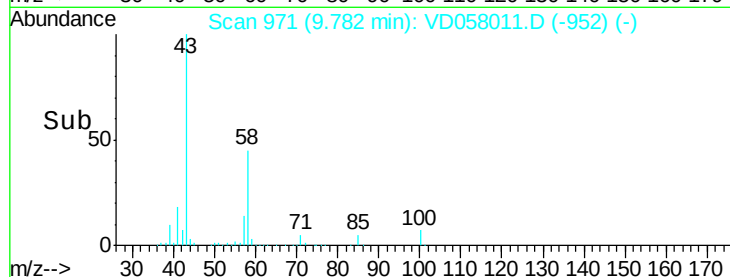
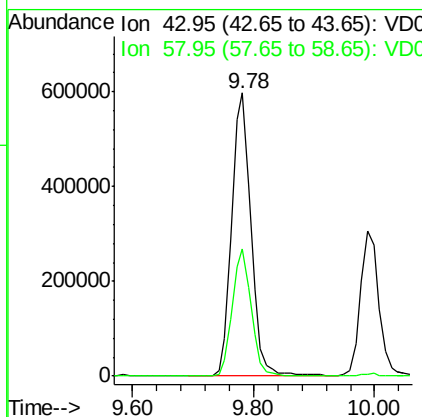
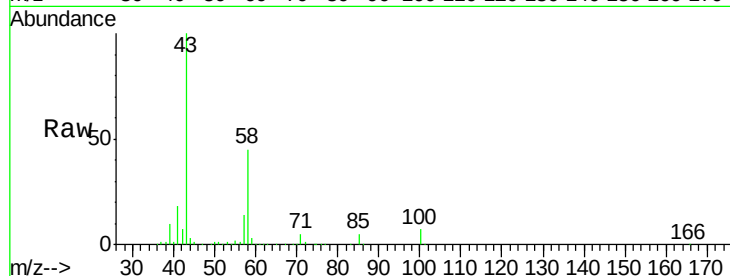




#59
2-Hexanone
Concen: 276.74 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

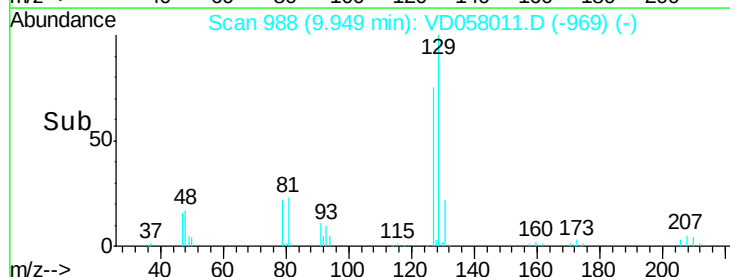
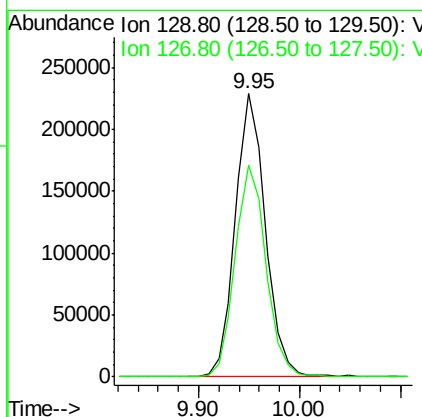
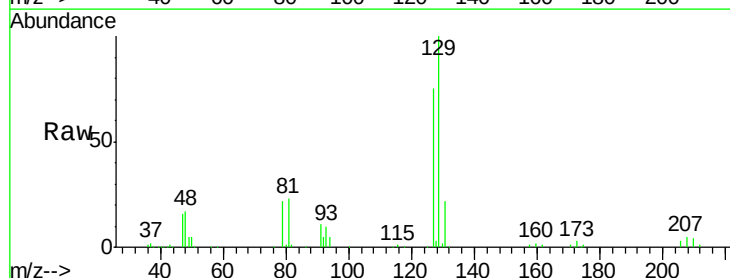
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

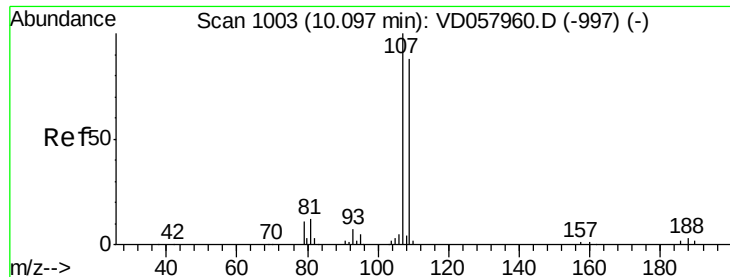
Tot Ion: 43 Resp: 1323262
Ion Ratio Lower Upper
43 100
58 45.1 22.5 67.5



#60
Dibromochloromethane
Concen: 54.63 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 129 Resp: 475736
Ion Ratio Lower Upper
129 100
127 74.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 53.58 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

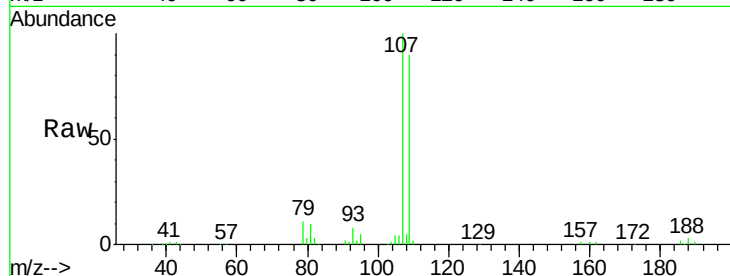
VSTDCCC050

Tot Ion: 107 Resp: 380550

Ion Ratio Lower Upper

107 100

109 90.4 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

200000

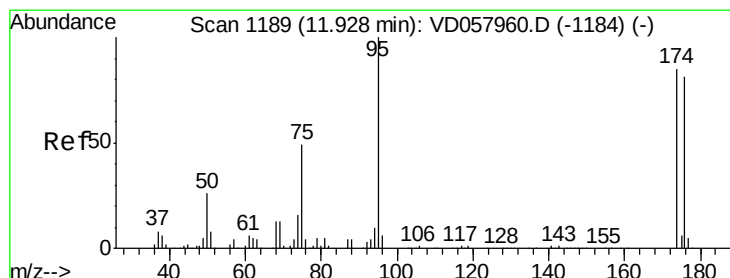
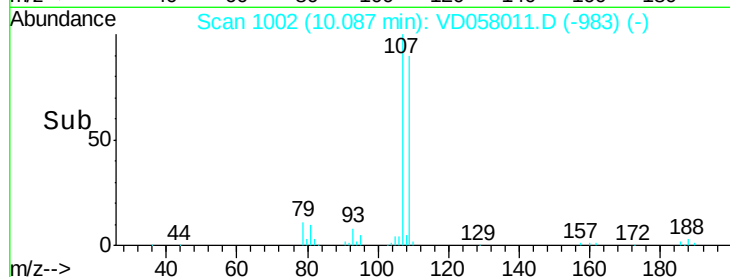
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.58 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

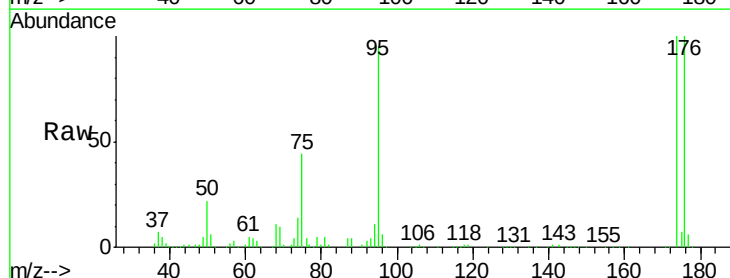
Tgt Ion: 95 Resp: 485505

Ion Ratio Lower Upper

95 100

174 104.6 0.0 169.4

176 105.1 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

400000

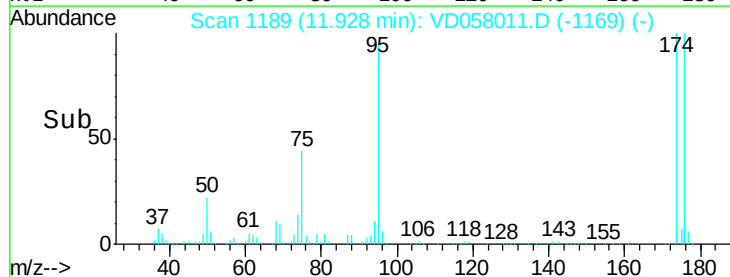
300000

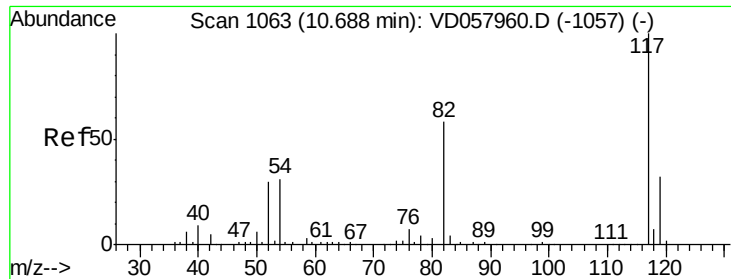
200000

100000

0

Time-->

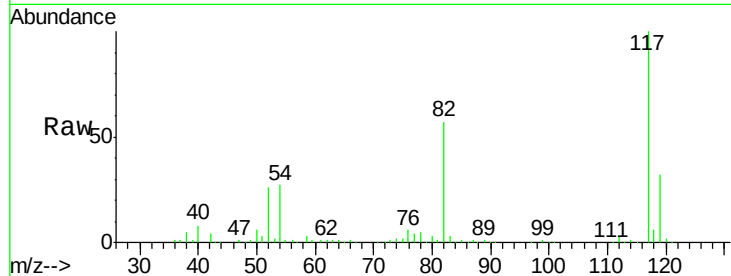




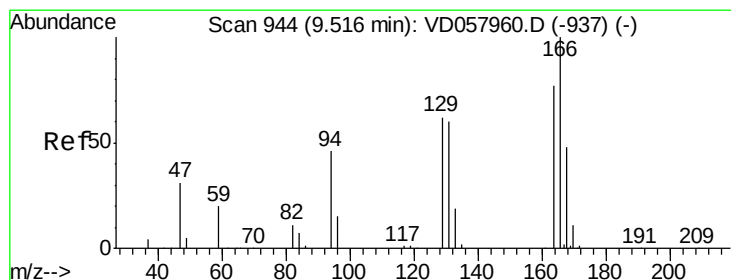
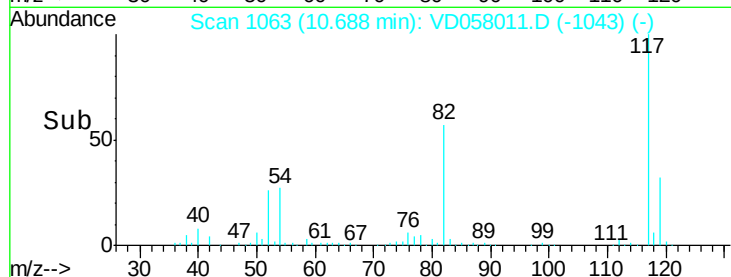
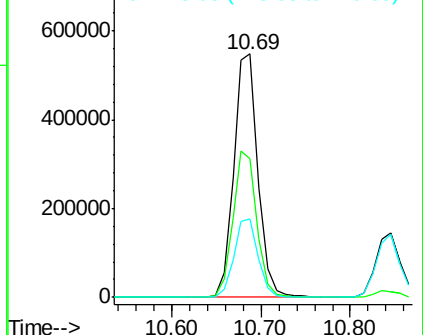
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1035736
Ion Ratio Lower Upper
117 100
82 56.7 46.8 70.2
119 32.1 25.8 38.6

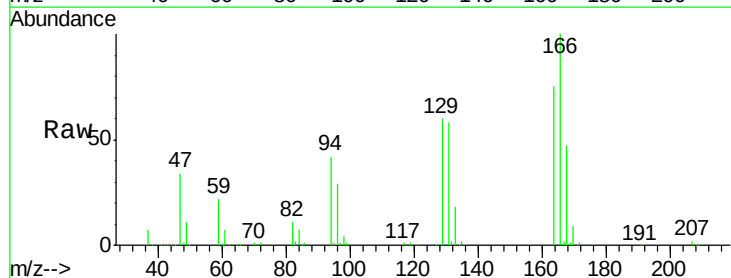


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

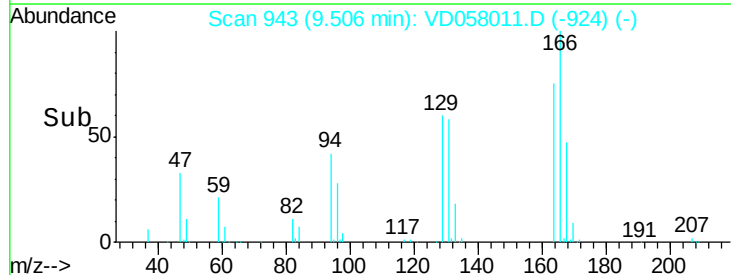
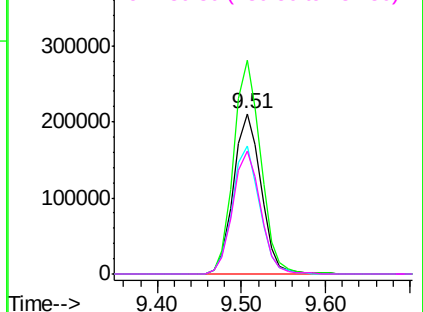


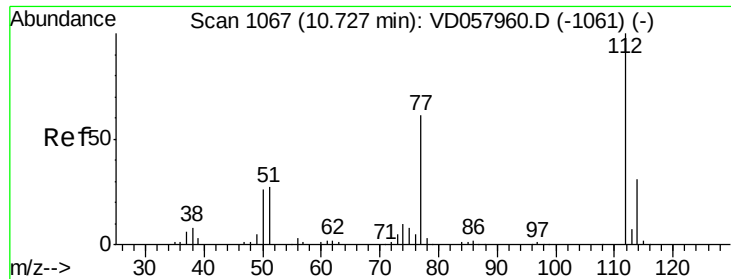
#64
Tetrachloroethene
Concen: 52.10 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion:164 Resp: 482374
Ion Ratio Lower Upper
164 100
166 133.0 104.4 156.6
129 79.6 65.0 97.6
131 76.8 62.9 94.3



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

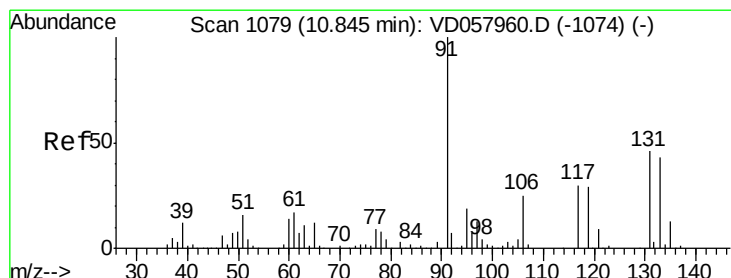
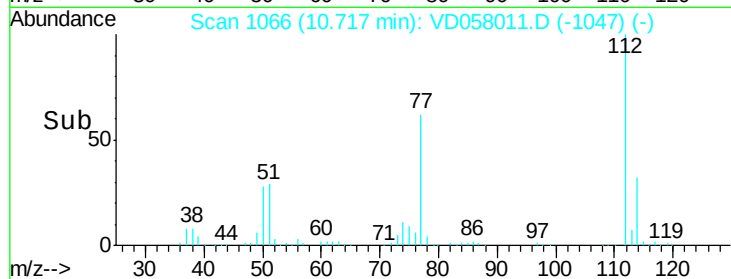
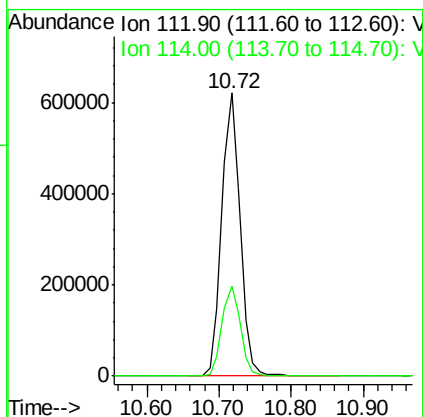
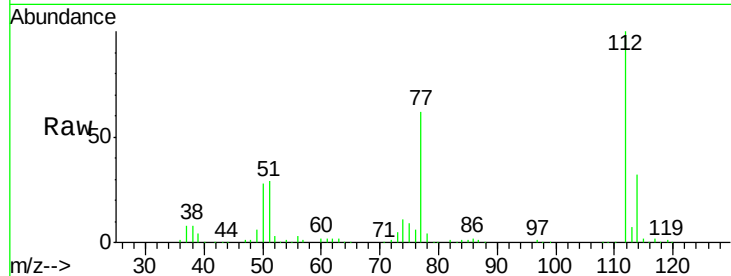




#65
Chlorobenzene
Concen: 52.12 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

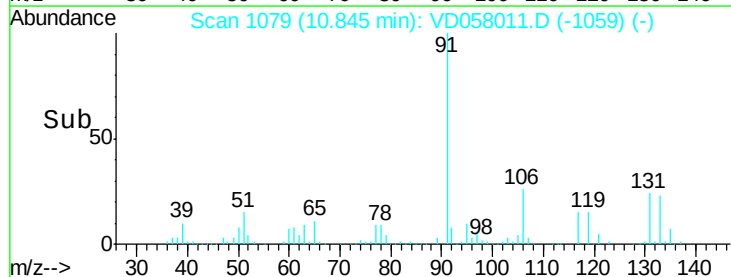
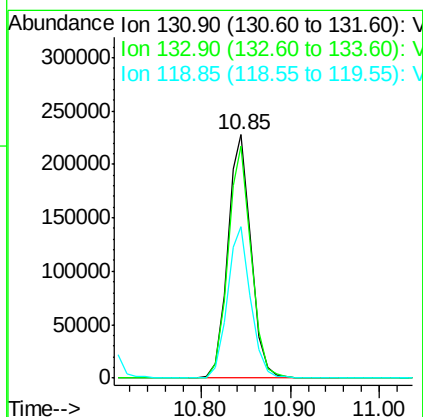
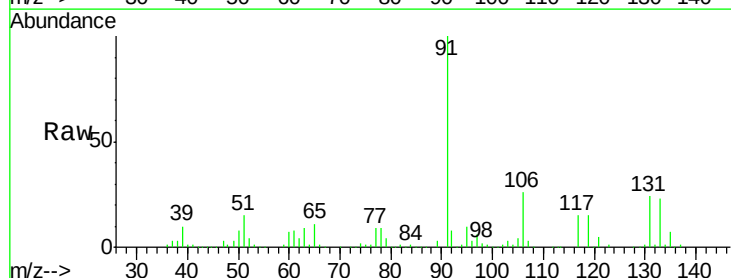
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

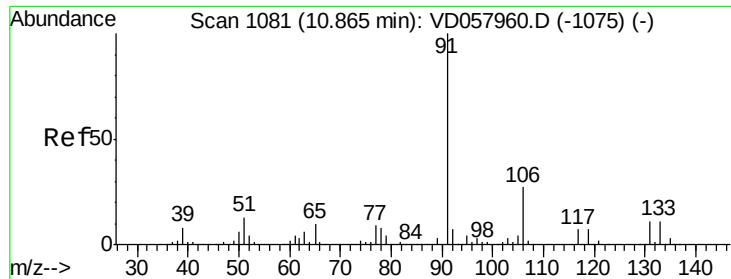
Tot Ion:112 Resp: 1092874
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.69 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion:131 Resp: 416387
Ion Ratio Lower Upper
131 100
133 95.2 46.9 140.6
119 62.1 31.8 95.3

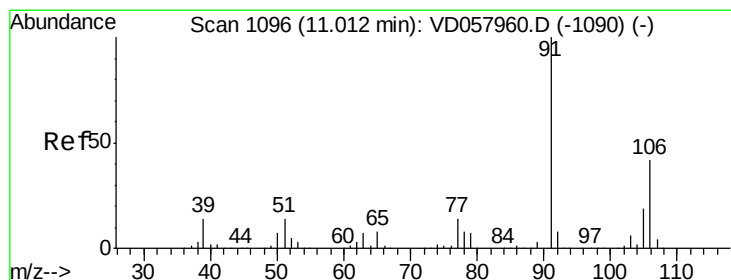
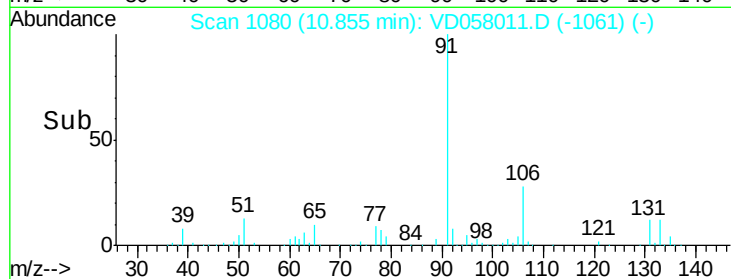
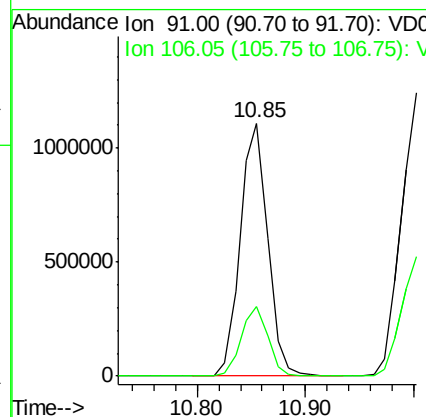
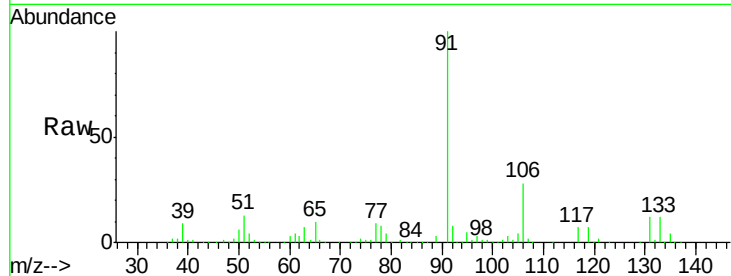




#67
Ethyl Benzene
Concen: 51.60 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

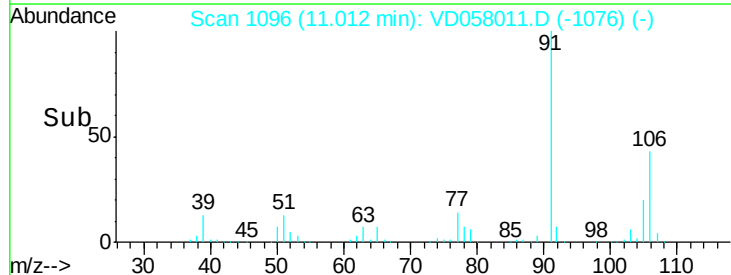
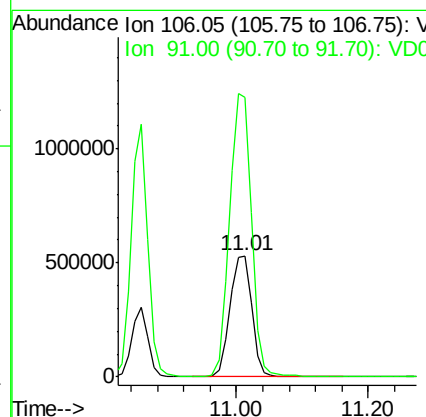
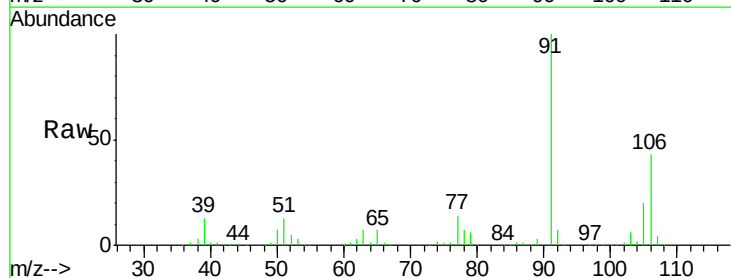
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

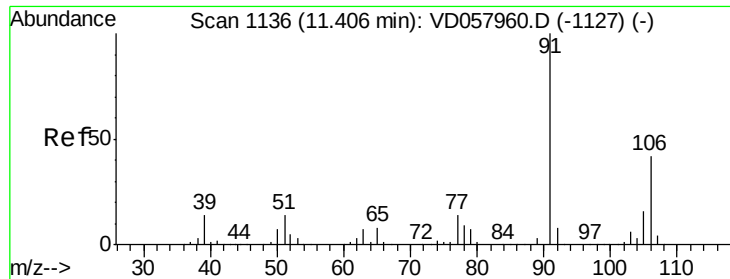
Tot Ion: 91 Resp: 1954570
Ion Ratio Lower Upper
91 100
106 27.7 21.5 32.3



#68
m/p-Xylenes
Concen: 100.36 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion:106 Resp: 1239403
Ion Ratio Lower Upper
106 100
91 230.9 190.4 285.6

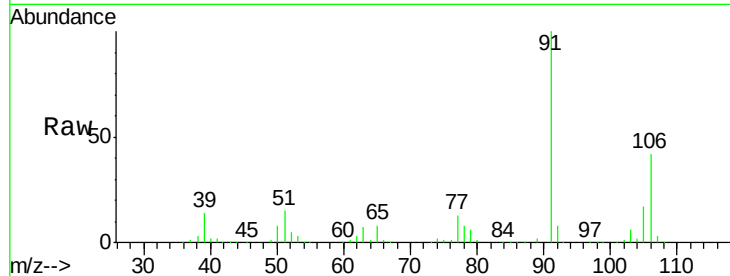




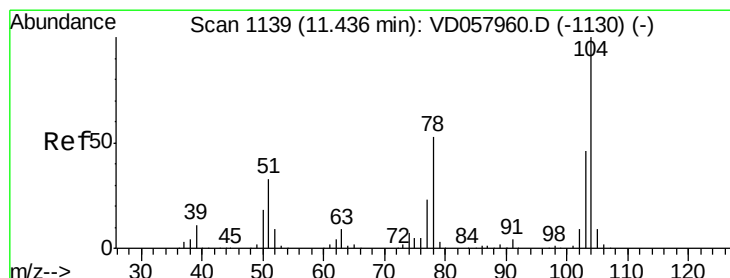
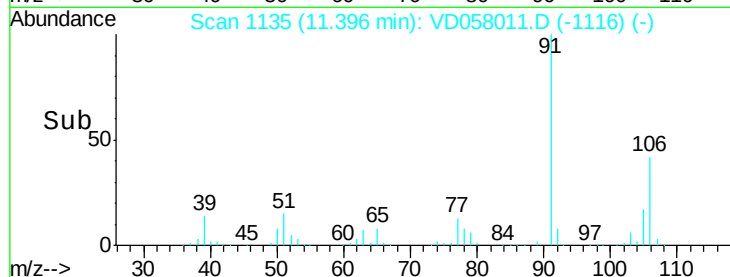
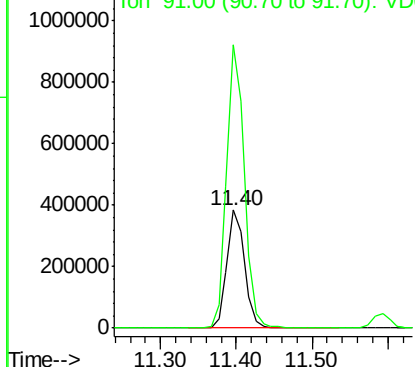
#69
o-Xylene
Concen: 50.55 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 619675
Ion Ratio Lower Upper
106 100
91 240.5 120.6 361.7

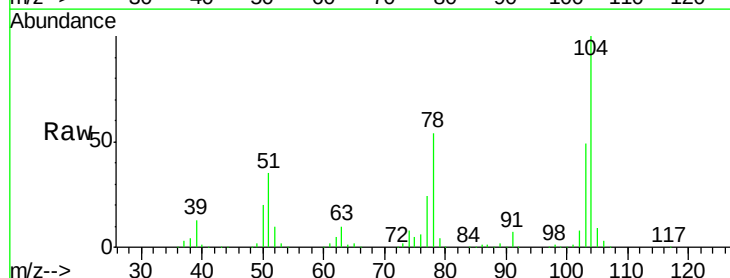


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

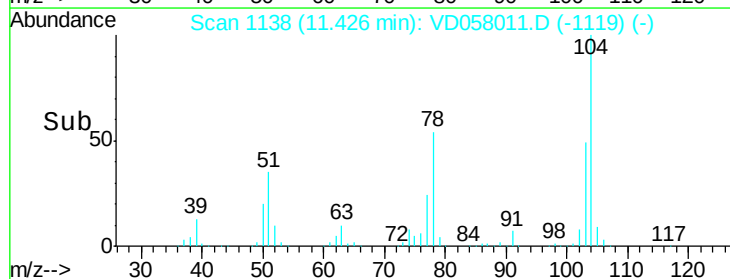
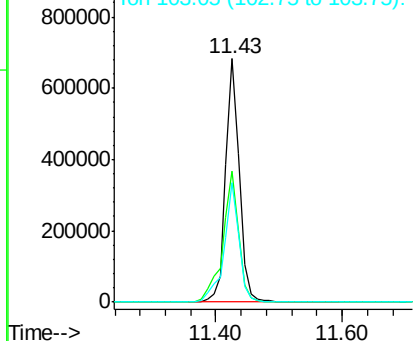


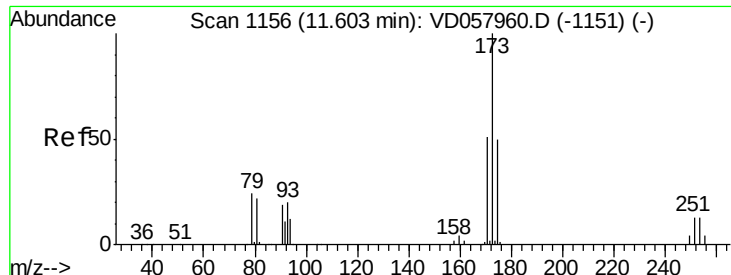
#70
Styrene
Concen: 50.97 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion:104 Resp: 1034378
Ion Ratio Lower Upper
104 100
78 53.9 42.1 63.1
103 49.0 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

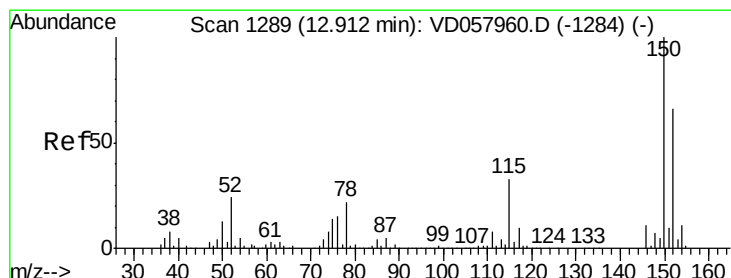
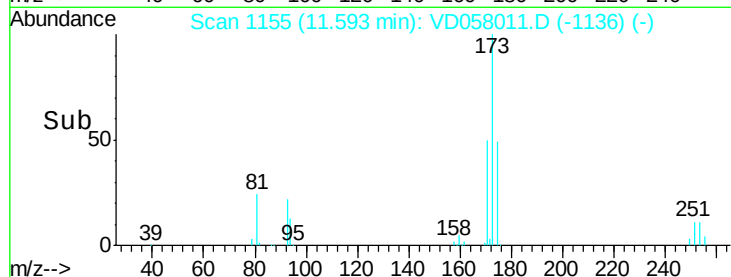
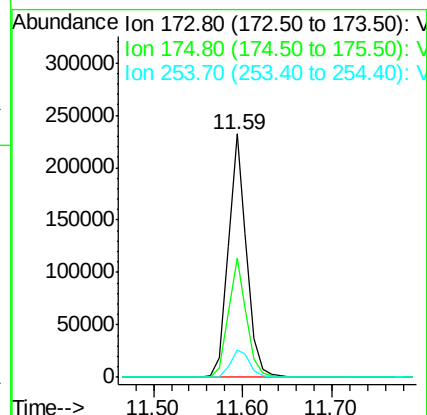
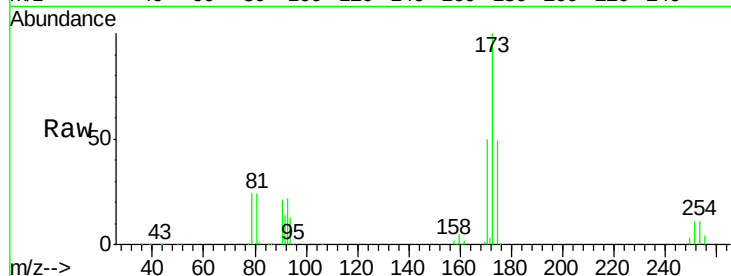




#71
Bromoform
Concen: 55.34 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

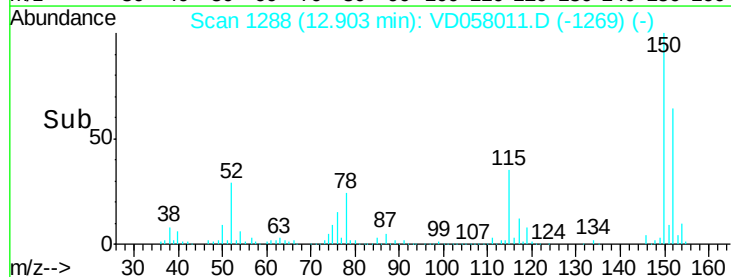
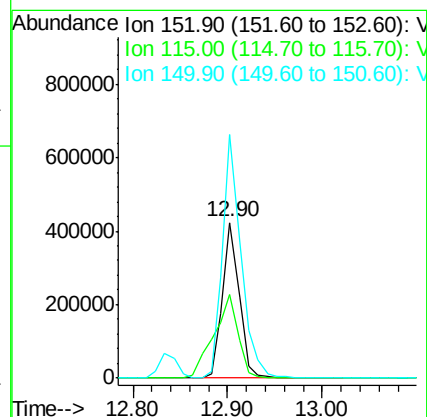
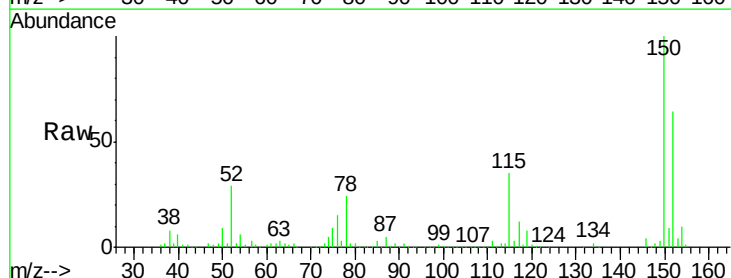
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

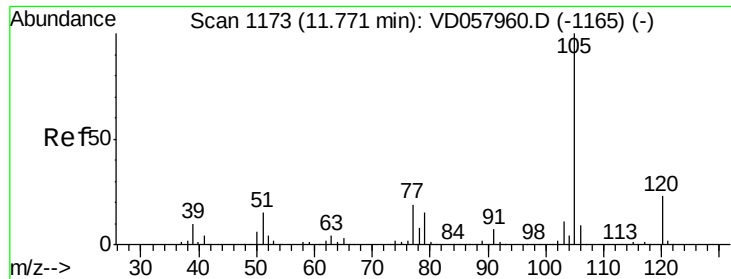
Tot Ion:173 Resp: 335377
Ion Ratio Lower Upper
173 100
175 48.8 25.1 75.2
254 11.3 10.7 16.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion:152 Resp: 522485
Ion Ratio Lower Upper
152 100
115 54.2 25.6 76.6
150 156.6 0.0 306.8





#73

Isopropylbenzene

Concen: 52.66 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

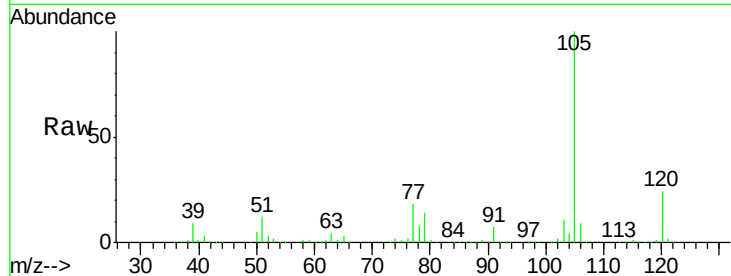
VSTDCCC050

Tot Ion:105 Resp: 1822282

Ion Ratio Lower Upper

105 100

120 23.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

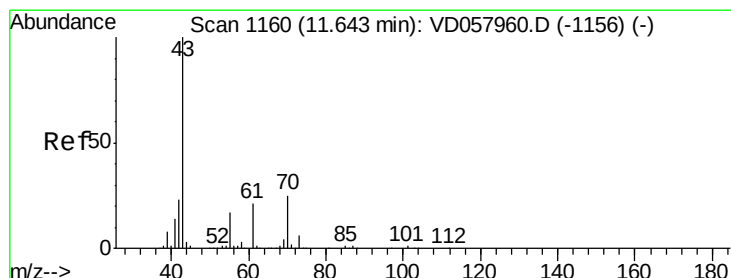
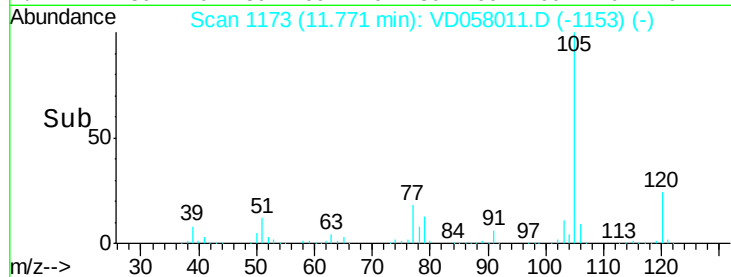
11.77

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 52.54 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Tgt Ion: 43 Resp: 701639

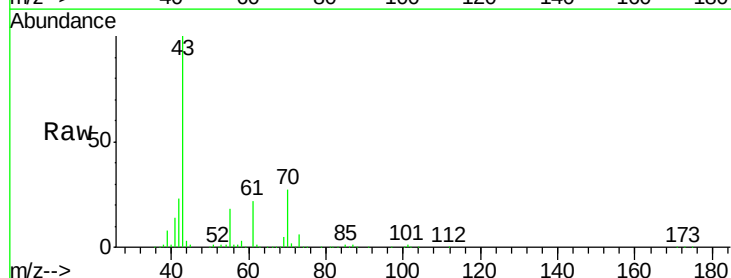
Ion Ratio Lower Upper

43 100

70 26.5 20.3 30.5

55 17.7 13.9 20.9

61 21.7 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.64

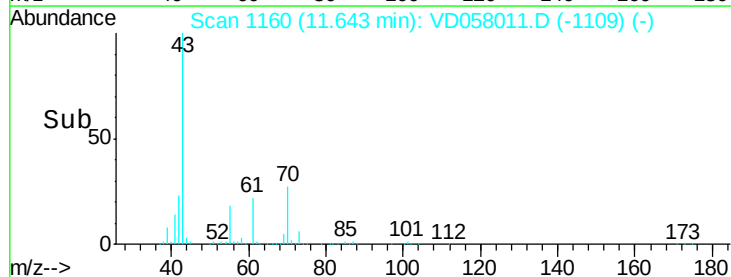
600000

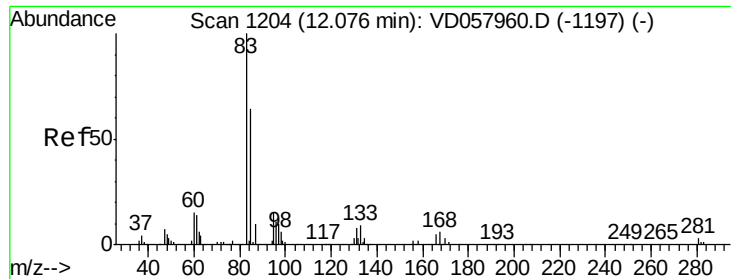
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.59 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

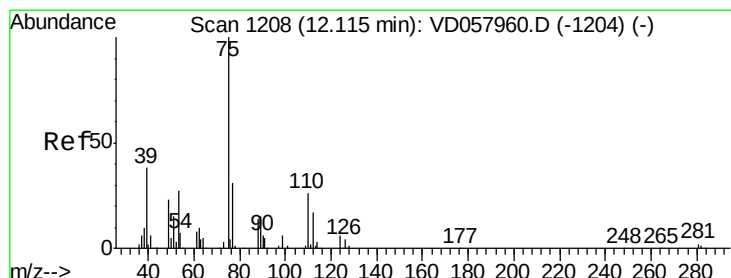
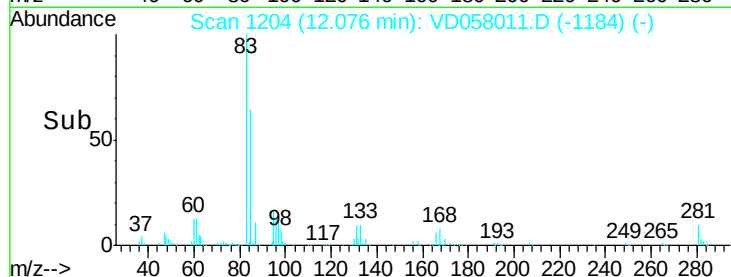
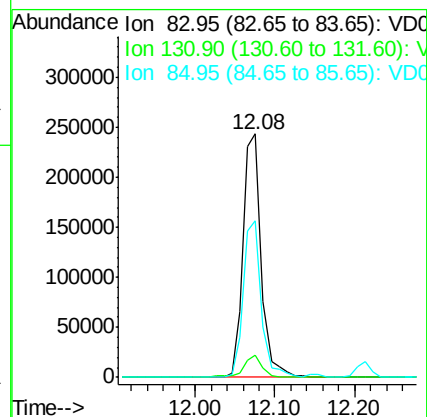
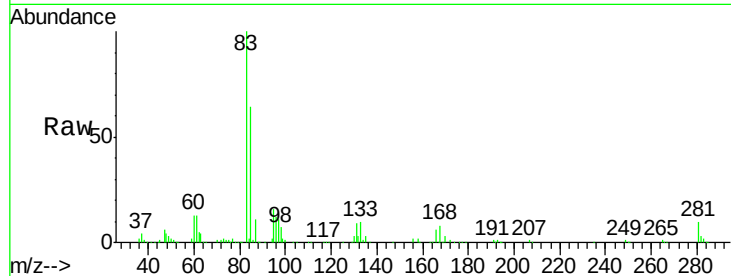
Tot Ion: 83 Resp: 389294

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.2	12.6
85	64.1	31.9	95.5

83 100

131 9.2 4.2 12.6

85 64.1 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 52.64 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058011.D

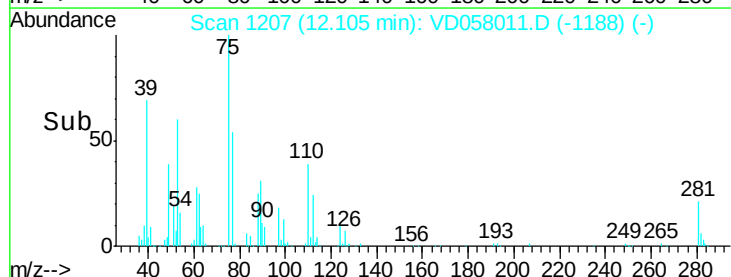
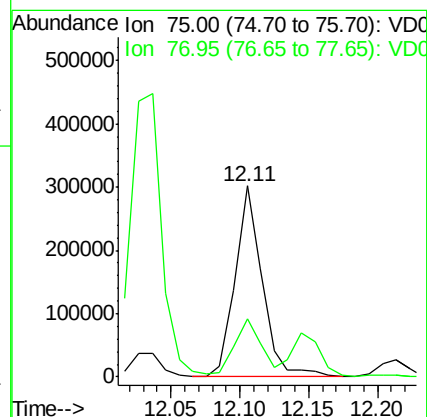
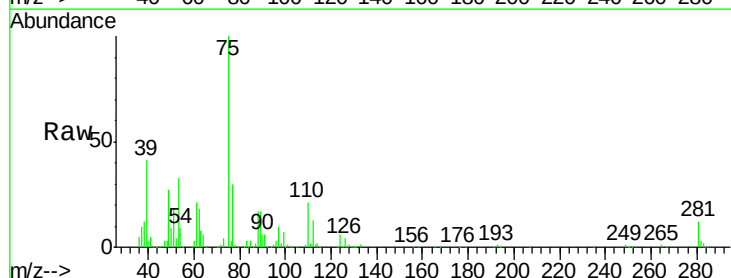
Acq: 8 Jun 2018 11:45

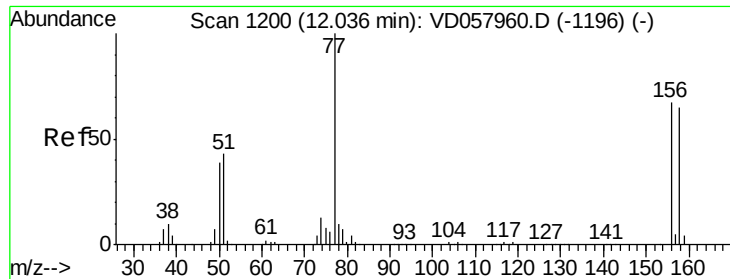
Tgt Ion: 75 Resp: 413169

Ion	Ratio	Lower	Upper
75	100		
77	30.3	16.7	50.1

75 100

77 30.3 16.7 50.1





#77

Bromobenzene

Concen: 50.40 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

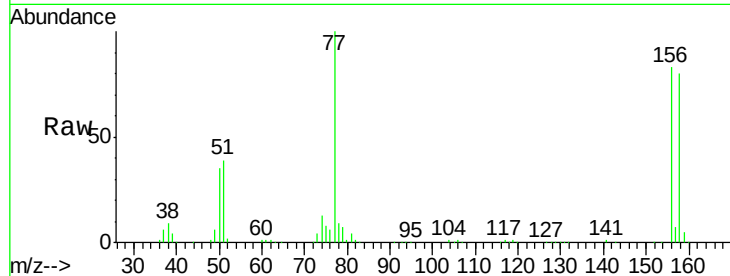
Tot Ion:156 Resp: 516292

Ion Ratio Lower Upper

156 100

77 121.0 75.0 224.8

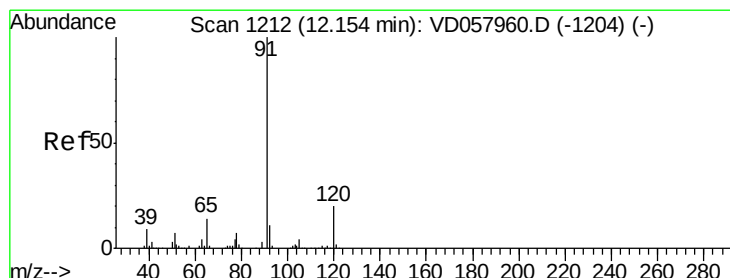
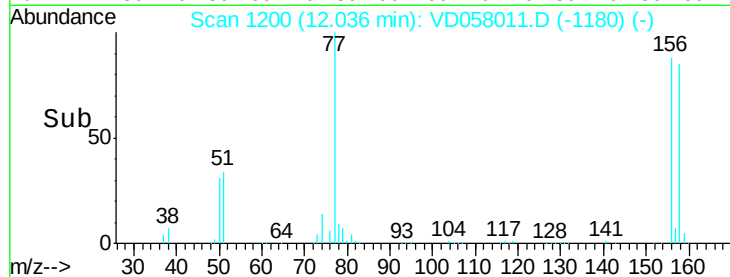
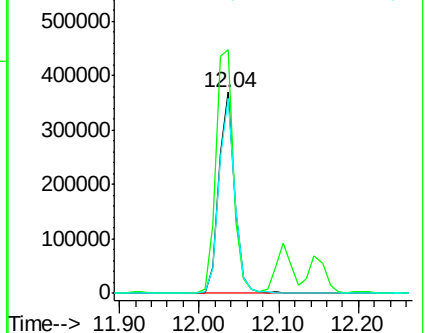
158 97.1 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.94 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058011.D

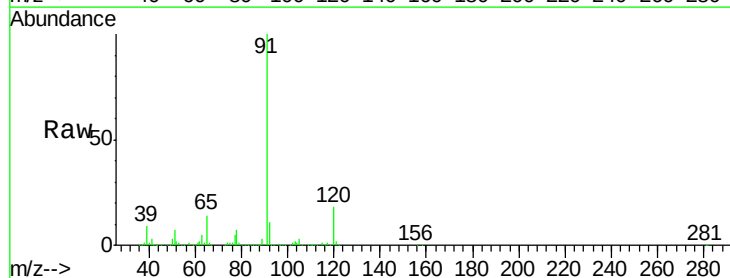
Acq: 8 Jun 2018 11:45

Tgt Ion: 91 Resp: 2338818

Ion Ratio Lower Upper

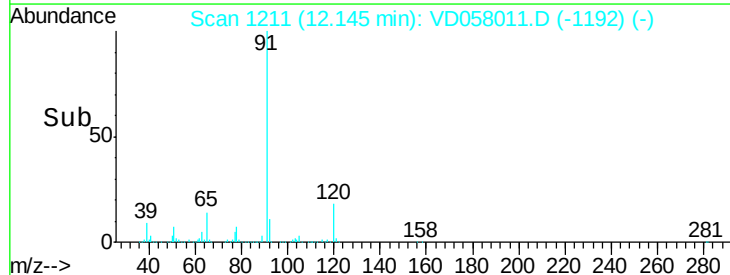
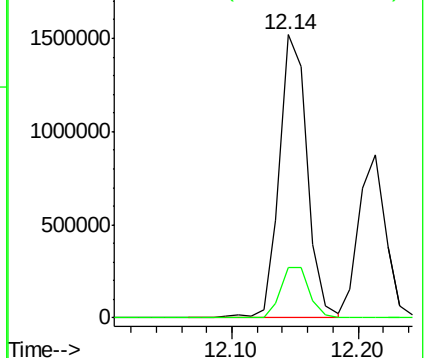
91 100

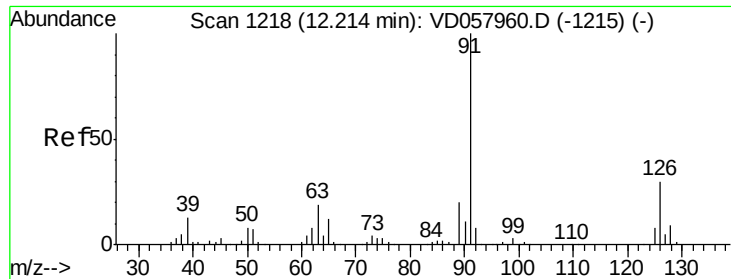
120 17.8 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

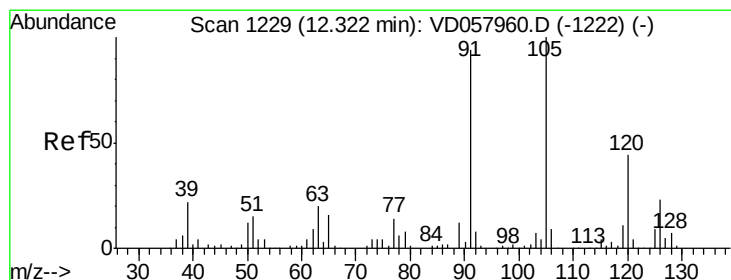
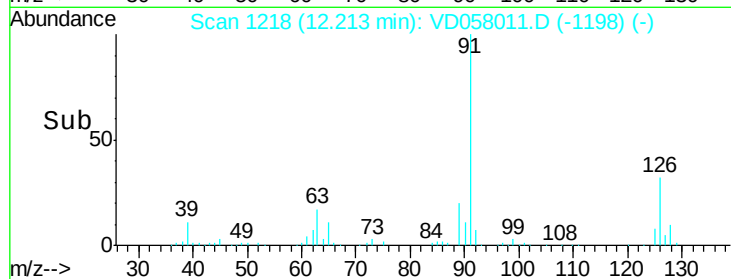
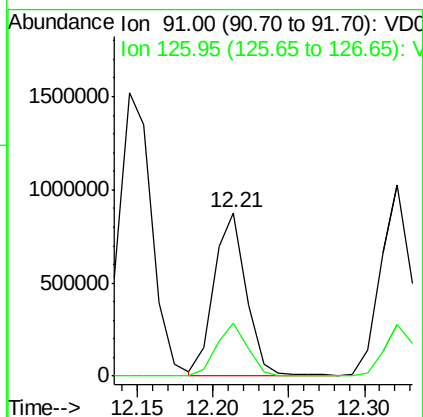
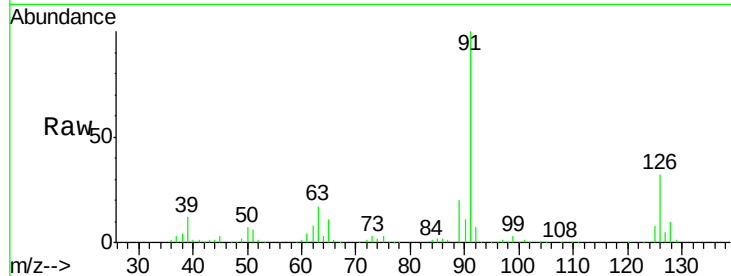




#79
 2-Chlorotoluene
 Concen: 50.25 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

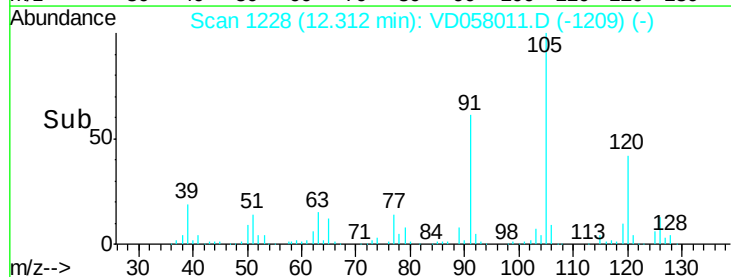
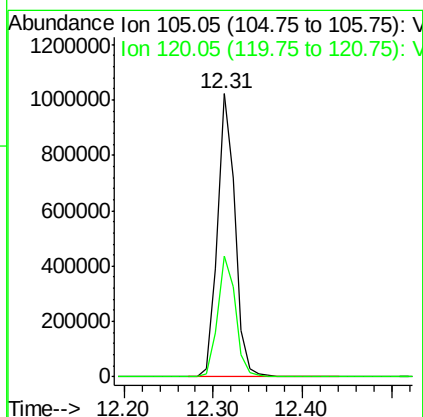
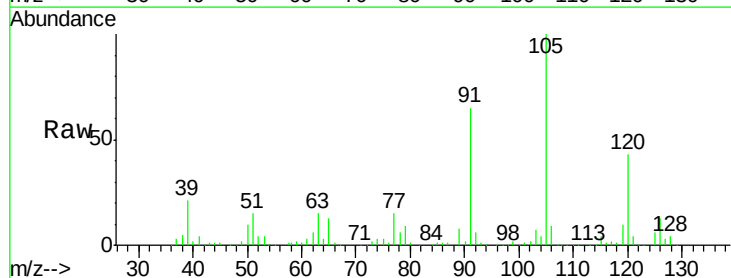
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

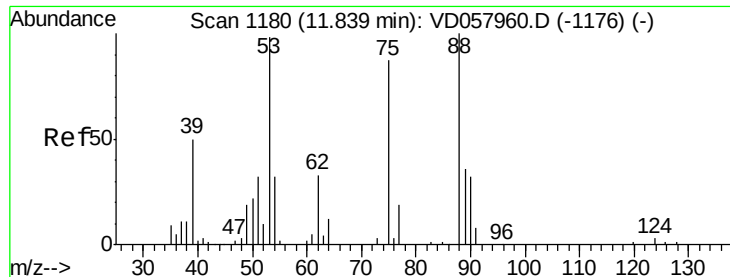
Tot Ion: 91 Resp: 1291000
 Ion Ratio Lower Upper
 91 100
 126 32.1 14.6 44.0



#80
 1,3,5-Trimethylbenzene
 Concen: 52.11 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion: 105 Resp: 1406270
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.94 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

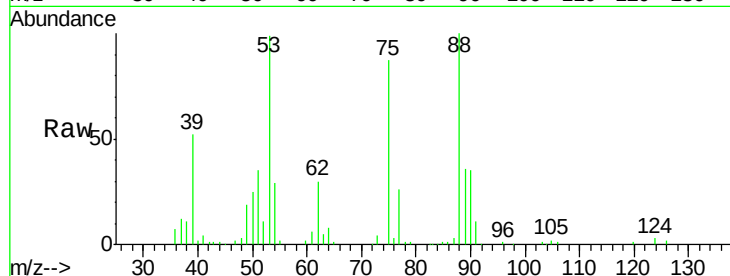
Tot Ion: 75 Resp: 112635

Ion Ratio Lower Upper

75 100

53 112.9 89.3 133.9

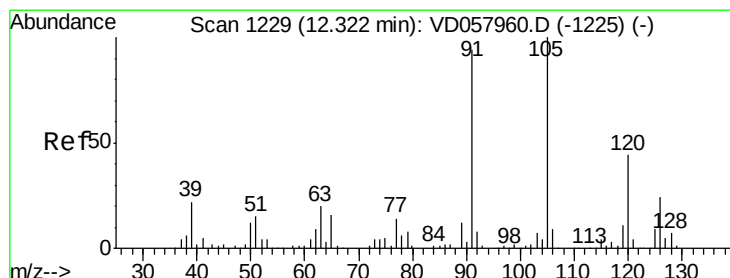
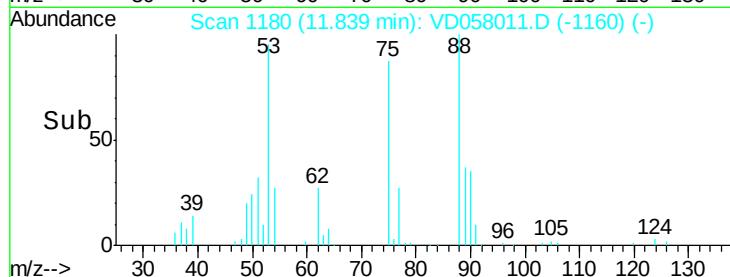
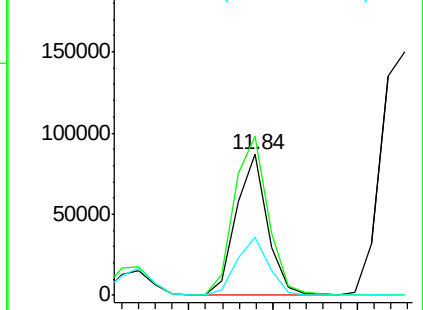
89 41.5 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 58.60 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058011.D

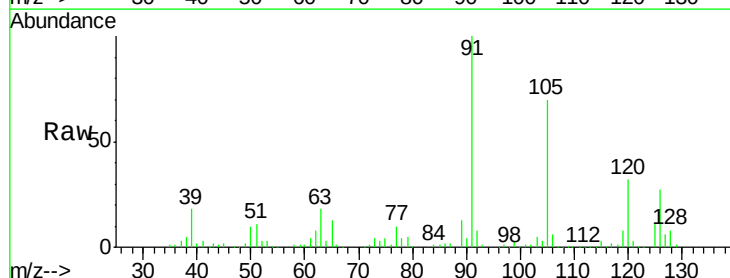
Acq: 8 Jun 2018 11:45

Tgt Ion: 91 Resp: 1450409

Ion Ratio Lower Upper

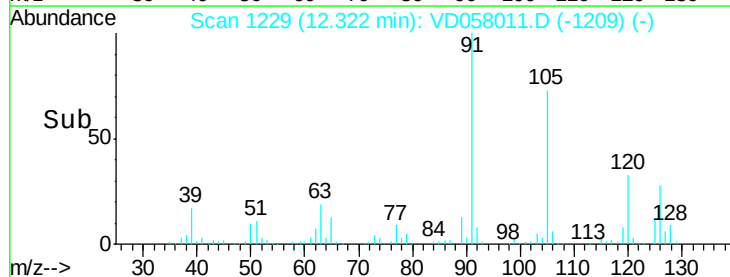
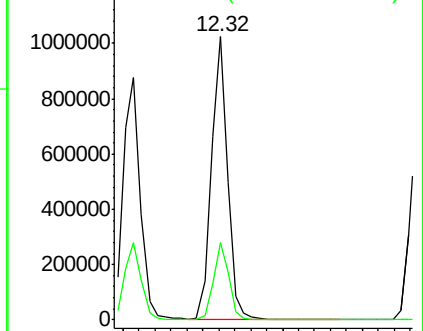
91 100

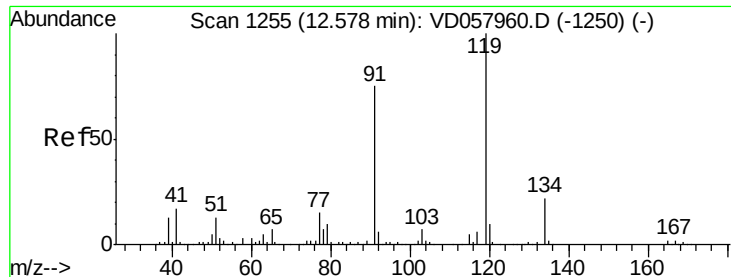
126 27.2 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

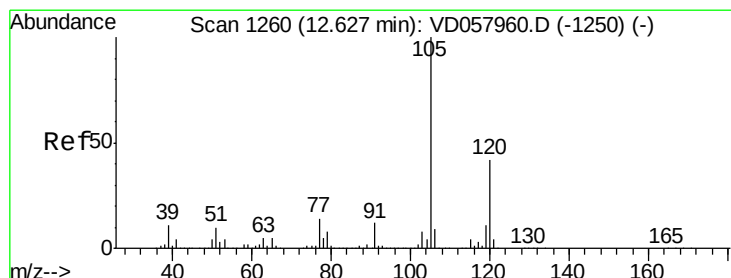
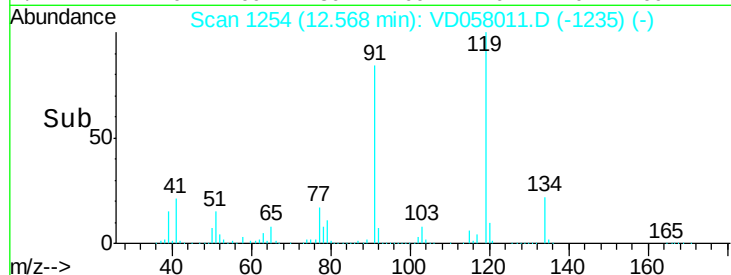
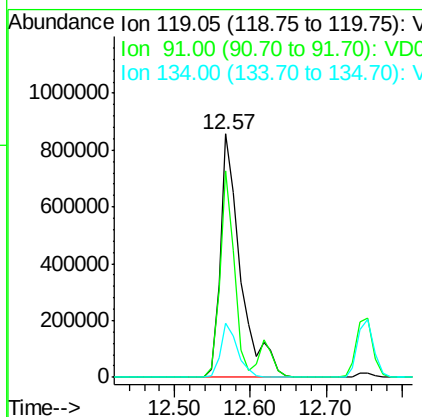
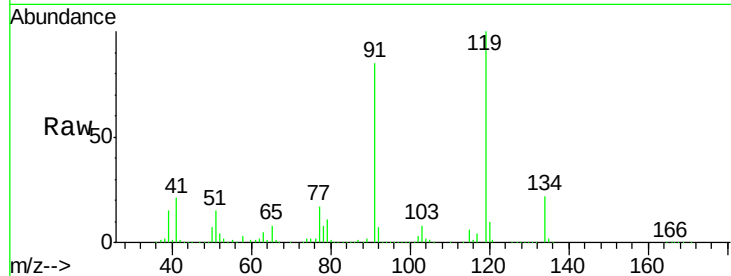




#83
 tert-Butylbenzene
 Concen: 52.70 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

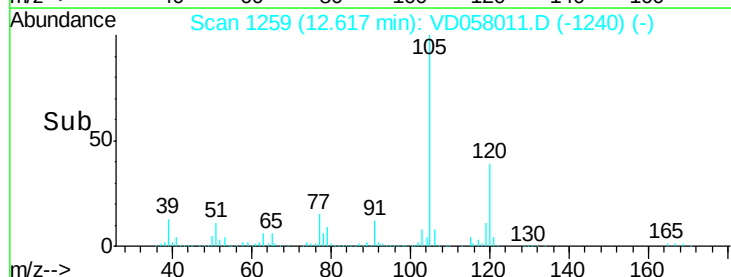
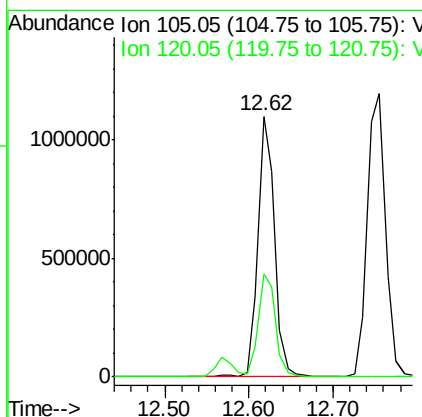
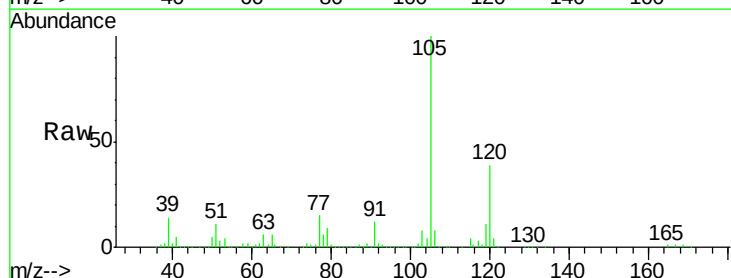
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

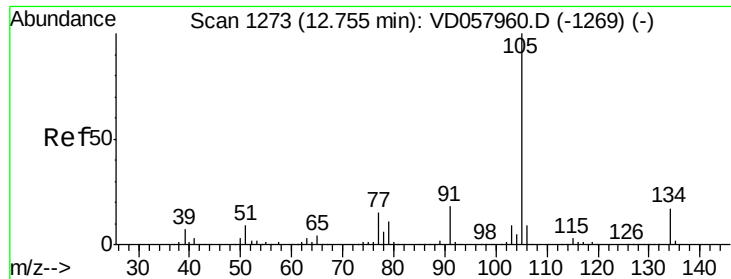
Tot Ion:119 Resp: 1606080
 Ion Ratio Lower Upper
 119 100
 91 84.7 37.6 112.9
 134 22.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 52.77 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion:105 Resp: 1531411
 Ion Ratio Lower Upper
 105 100
 120 39.5 21.2 63.6

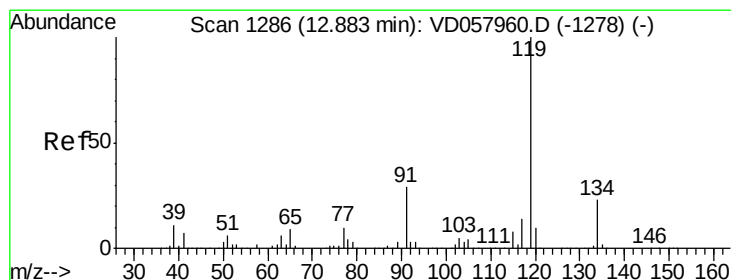
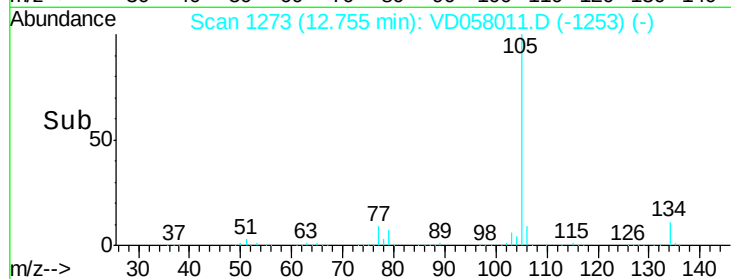
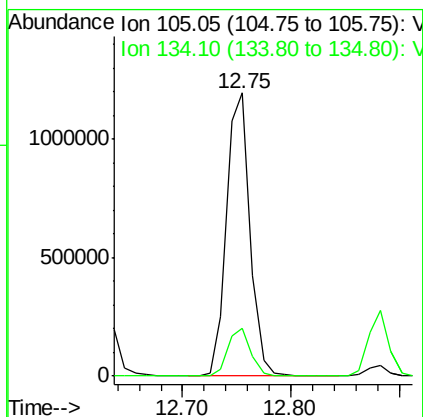
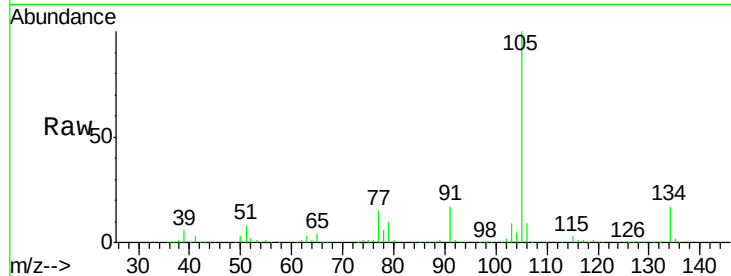




#85
 sec-Butylbenzene
 Concen: 48.77 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

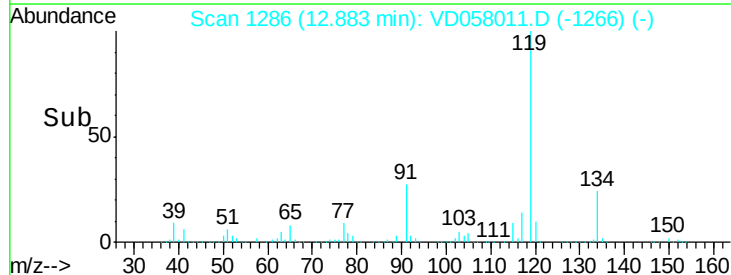
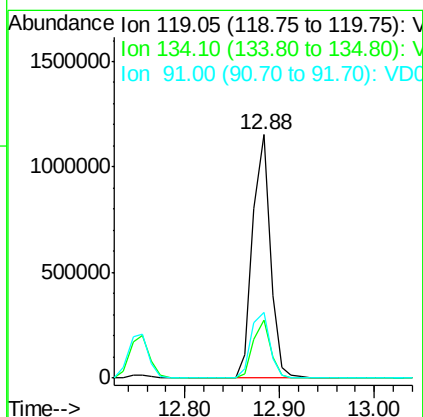
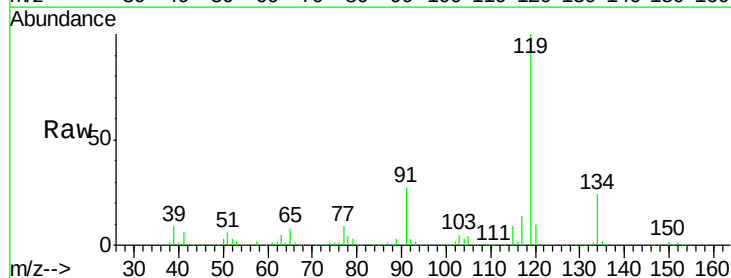
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

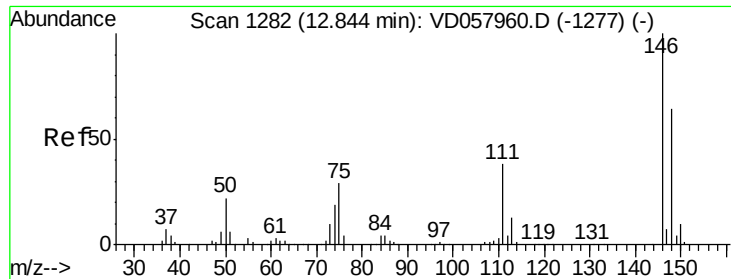
Tot Ion:105 Resp: 1793727
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 50.69 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion:119 Resp: 1502648
 Ion Ratio Lower Upper
 119 100
 134 23.9 11.5 34.4
 91 27.1 14.5 43.6

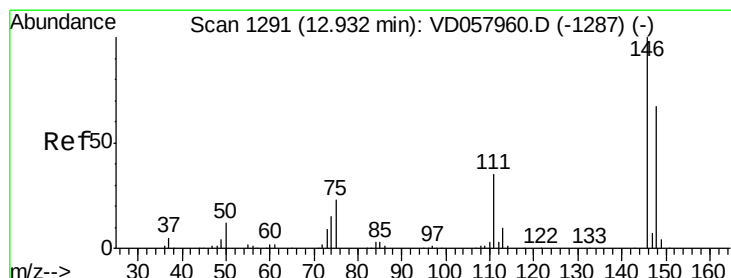
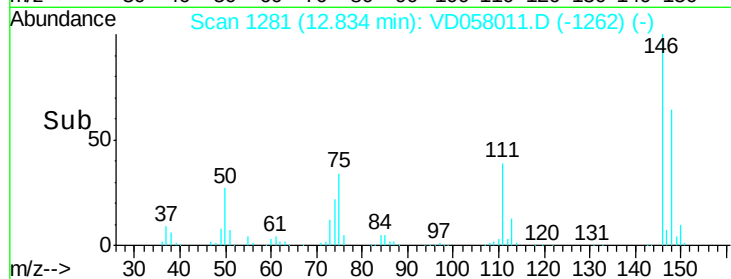
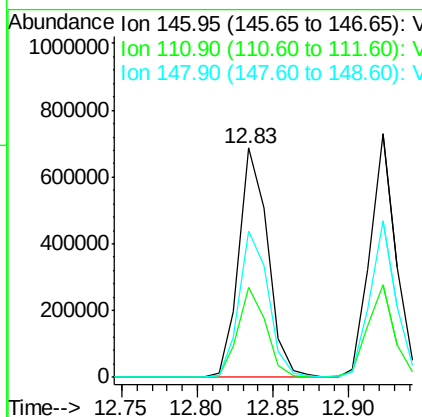
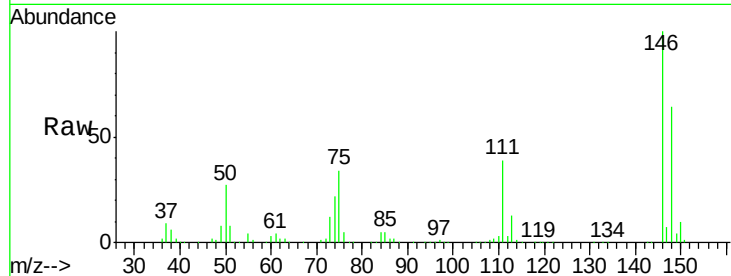




#87
 1,3-Dichlorobenzene
 Concen: 52.87 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

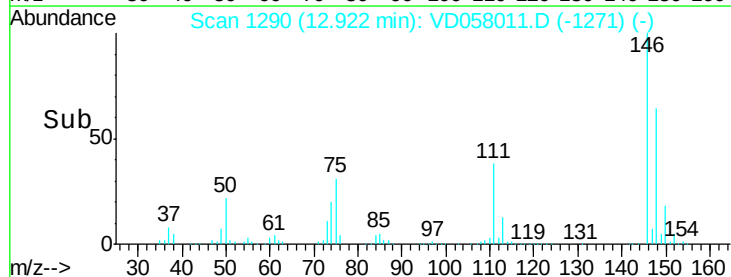
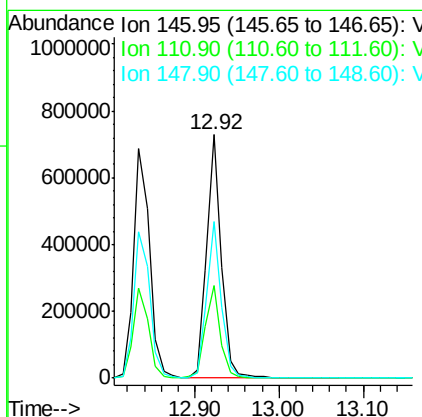
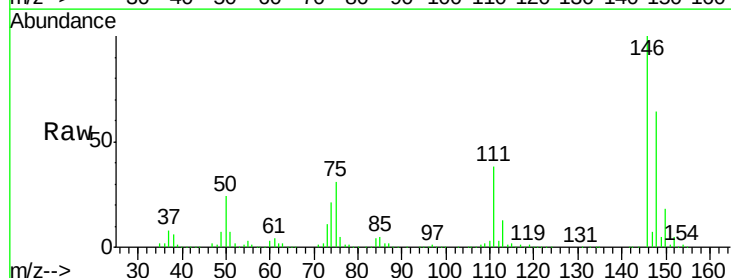
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

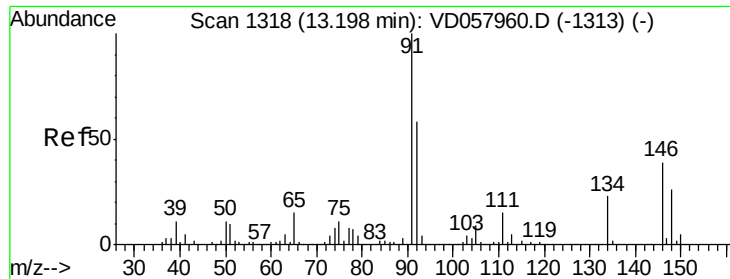
Tot Ion:146 Resp: 916119
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.1 57.3
 148 63.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.32 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion:146 Resp: 883268
 Ion Ratio Lower Upper
 146 100
 111 37.9 17.3 52.0
 148 64.2 33.4 100.2

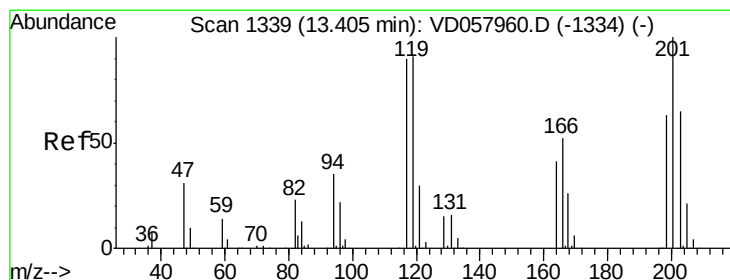
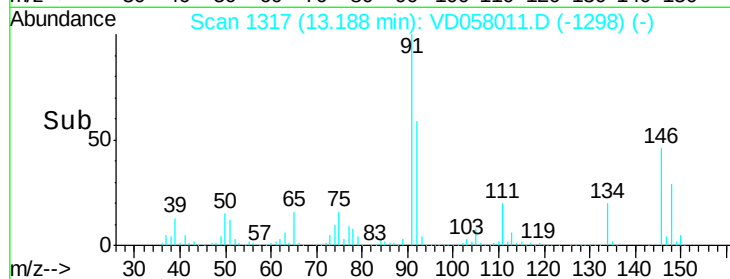
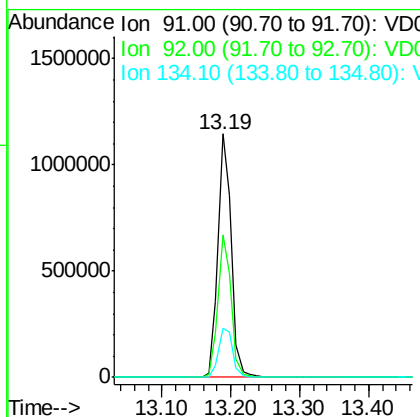
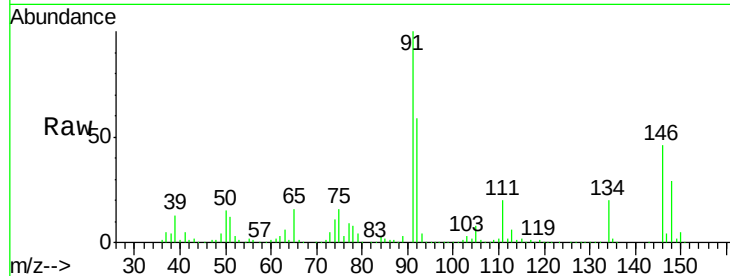




#89
n-Butylbenzene
Concen: 58.22 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

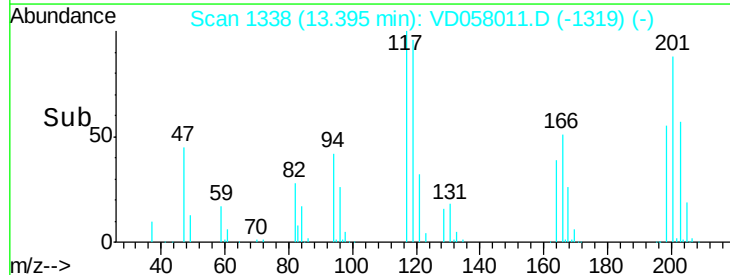
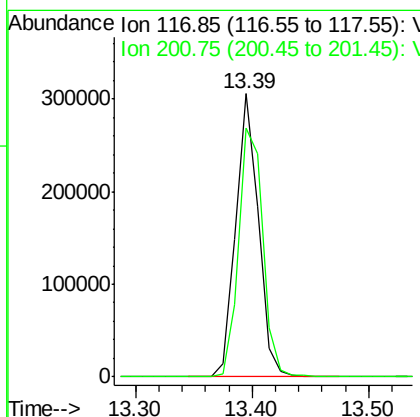
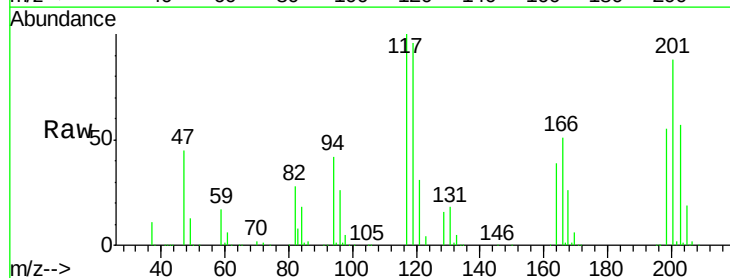
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

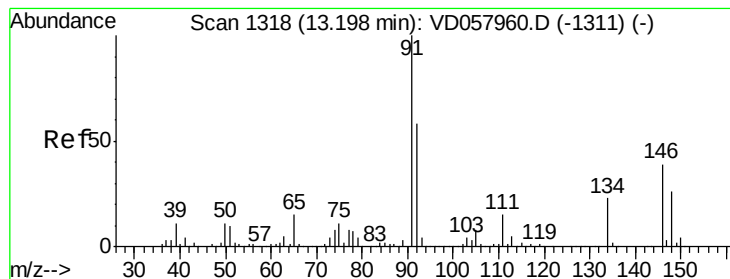
Tot Ion: 91 Resp: 1535425
Ion Ratio Lower Upper
91 100
92 58.7 29.2 87.6
134 20.1 11.3 33.9



#90
Hexachloroethane
Concen: 54.06 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion: 117 Resp: 409033
Ion Ratio Lower Upper
117 100
201 87.9 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 50.35 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

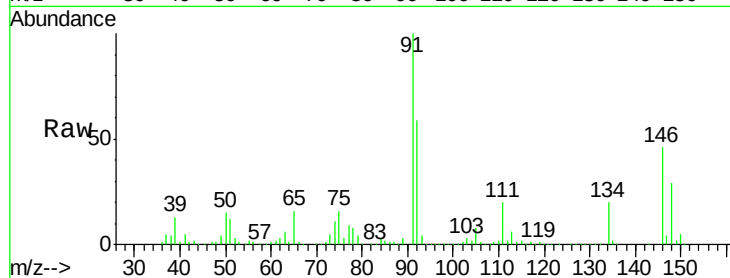
Tot Ion:146 Resp: 705051

Ion Ratio Lower Upper

146 100

111 42.7 19.4 58.2

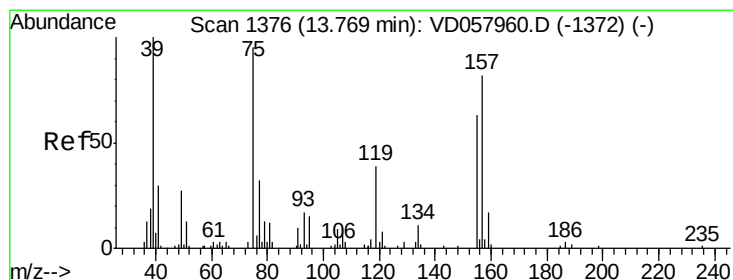
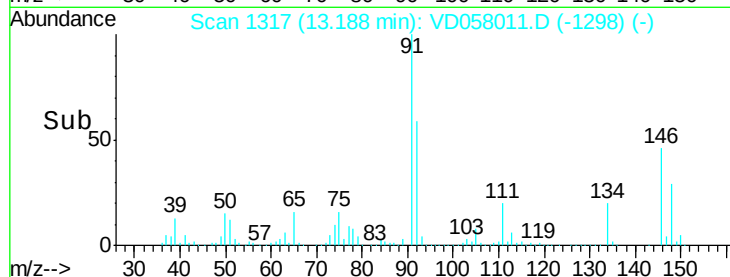
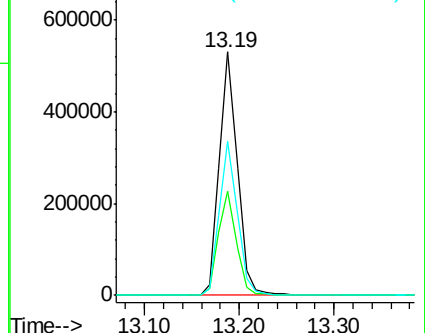
148 63.5 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.55 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VD058011.D

Acq: 8 Jun 2018 11:45

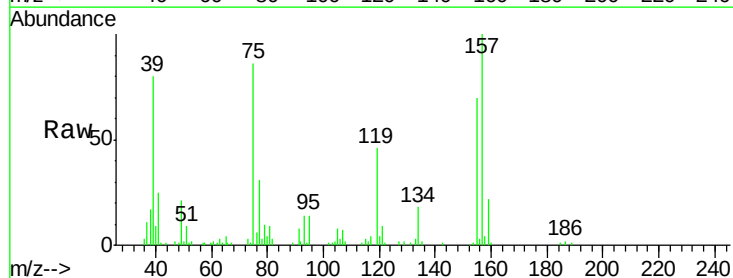
Tgt Ion: 75 Resp: 64685

Ion Ratio Lower Upper

75 100

155 80.7 33.4 100.1

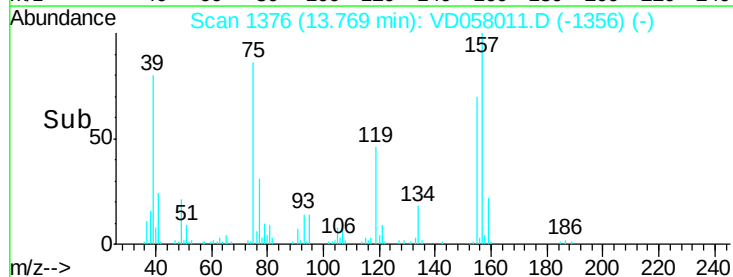
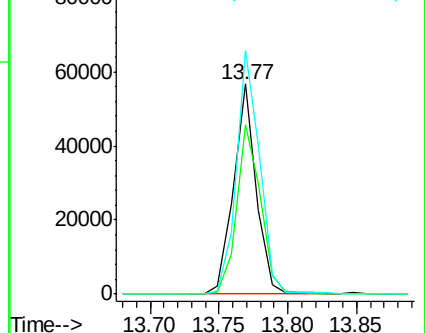
157 116.1 42.9 128.5

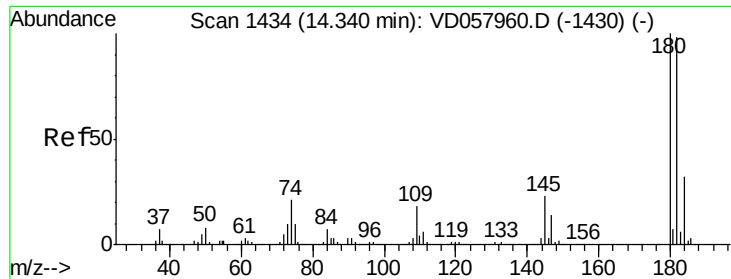


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

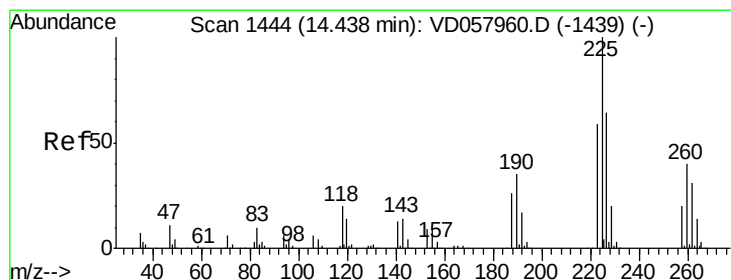
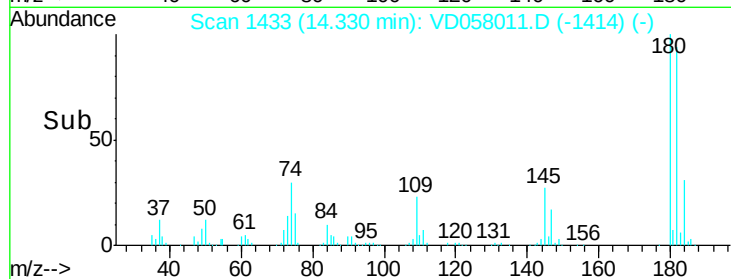
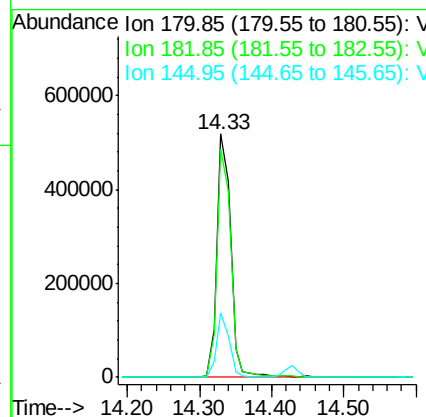
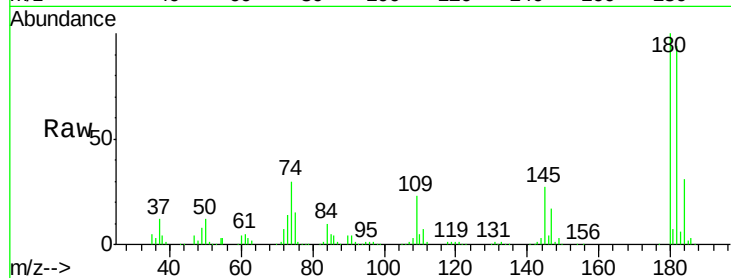




#93
 1,2,4-Trichlorobenzene
 Concen: 52.09 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

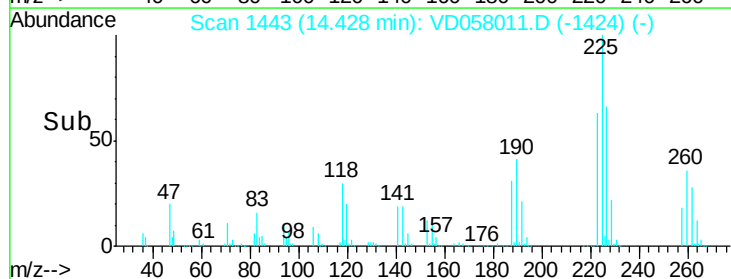
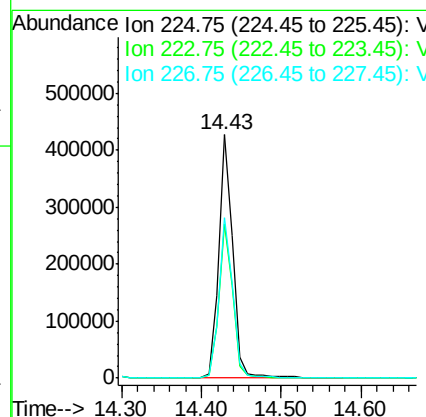
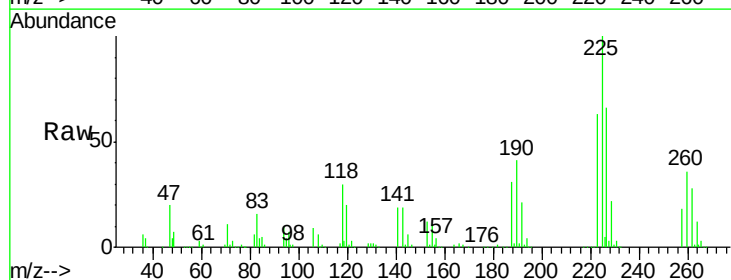
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

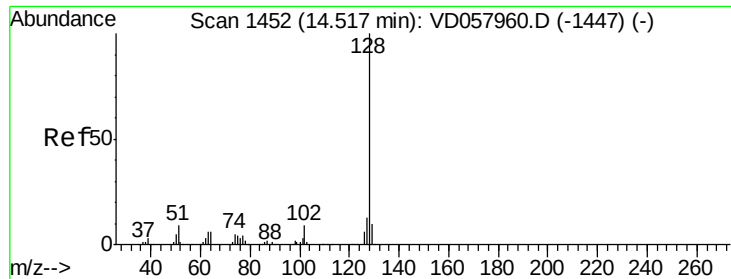
Tot Ion:180 Resp: 681478
 Ion Ratio Lower Upper
 180 100
 182 93.9 49.0 147.2
 145 26.6 11.8 35.3



#94
 Hexachlorobutadiene
 Concen: 51.62 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058011.D
 Acq: 8 Jun 2018 11:45

Tgt Ion:225 Resp: 531231
 Ion Ratio Lower Upper
 225 100
 223 63.0 29.5 88.6
 227 65.8 32.0 96.0

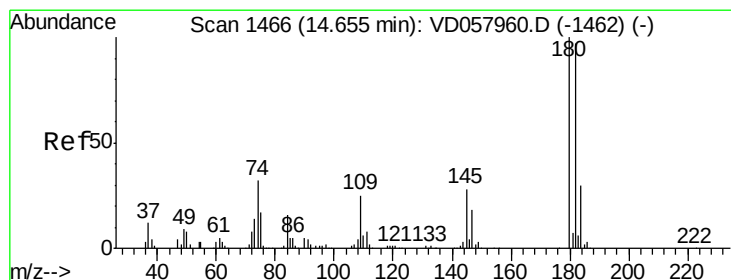
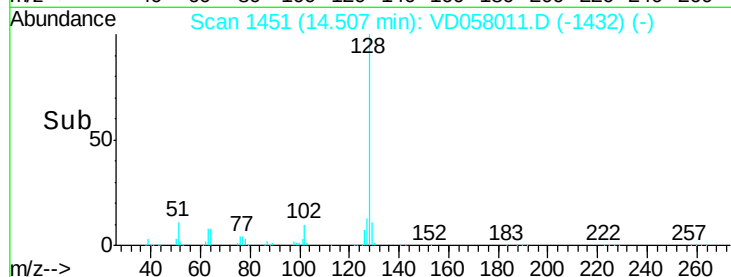
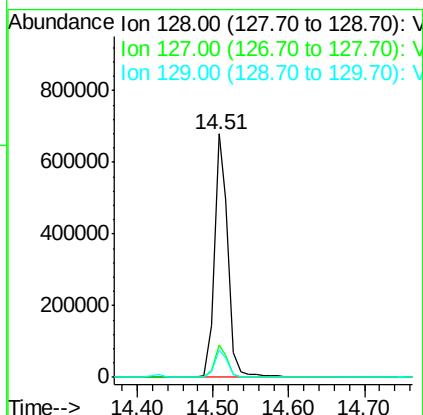
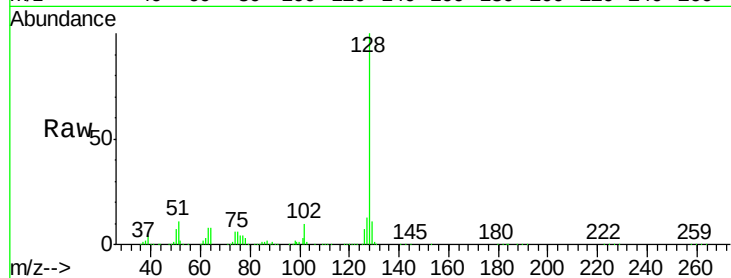




#95
Naphthalene
Concen: 51.09 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 861817
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.2 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 52.06 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD058011.D
Acq: 8 Jun 2018 11:45

Tgt Ion:180 Resp: 580458
Ion Ratio Lower Upper
180 100
182 98.4 48.5 145.5
145 26.9 14.2 42.8

