

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070218\
 Data File : VD059513.D
 Acq On : 2 Jul 2018 19:58
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 03 00:56:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 00:52:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	651717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	910986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	742107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	354887	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	1269103	178.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	357.94%	
35) Dibromofluoromethane	5.52	113	1127426	150.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.10%	
50) Toluene-d8	8.69	98	2487367	141.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.58%	
62) 4-Bromofluorobenzene	11.92	95	1066617	146.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	1256290	192.581	ug/l	97
3) Chloromethane	1.47	50	618985	189.391	ug/l	97
4) Vinyl Chloride	1.53	62	655981	192.773	ug/l	100
5) Bromomethane	1.76	94	165286	126.493	ug/l	94
6) Chloroethane	1.84	64	135856	94.558	ug/l	97
7) Trichlorofluoromethane	2.04	101	784418	157.644	ug/l	94
8) Diethyl Ether	2.31	74	203214	187.601	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.52	101	565769	183.505	ug/l	98
10) Methyl Iodide	2.66	142	717263	202.903	ug/l	97
11) Tert butyl alcohol	3.26	59	201532	848.273	ug/l	99
12) 1,1-Dichloroethene	2.51	96	437939	183.672	ug/l	92
13) Acrolein	2.44	56	96562	494.904	ug/l	98
14) Allyl chloride	2.88	41	1082232	201.173	ug/l	94
15) Acrylonitrile	3.32	53	636190	868.617	ug/l	95
16) Acetone	2.60	43	817873	897.381	ug/l	94
17) Carbon Disulfide	2.71	76	1680446	225.518	ug/l	100
18) Methyl Acetate	2.91	43	349057	158.498	ug/l	93
19) Methyl tert-butyl Ether	3.37	73	1202540	117.182	ug/l	95
20) Methylene Chloride	3.03	84	480233	165.531	ug/l	99
21) trans-1,2-Dichloroethene	3.34	96	492020	129.098	ug/l	97
22) Diisopropyl ether	4.04	45	3332839	166.520	ug/l	98
23) Vinyl Acetate	3.98	43	9665115	909.468	ug/l	99
24) 1,1-Dichloroethane	3.93	63	1927826	167.579	ug/l	98
25) 2-Butanone	4.81	43	1670279	881.108	ug/l	100
26) 2,2-Dichloropropane	4.76	77	1533786	170.949	ug/l	98
27) cis-1,2-Dichloroethene	4.76	96	947784	139.538	ug/l	93
28) Bromochloromethane	5.11	49	699546	149.656	ug/l	98
29) Tetrahydrofuran	5.17	42	858826	837.243	ug/l	98
30) Chloroform	5.29	83	2083169	168.237	ug/l	96
31) Cyclohexane	5.56	56	1286687	148.097	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	1765070	177.391	ug/l	97
36) 1,1-Dichloropropene	5.72	75	1349214	154.956	ug/l	99
37) Ethyl Acetate	4.90	43	868189	167.599	ug/l	96
38) Carbon Tetrachloride	5.69	117	1491548	166.603	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	1284546	155.271	ug/l	94
40) Benzene	5.98	78	2876067	137.812	ug/l	99
41) Methacrylonitrile	5.10	41	420675	166.867	ug/l	95
42) 1,2-Dichloroethane	6.10	62	1576434	172.162	ug/l	97
43) Isopropyl Acetate	7.60	43	1202213	182.346	ug/l #	96
44) Trichloroethene	6.96	130	991540	146.511	ug/l	97
45) 1,2-Dichloropropane	7.32	63	869011	151.141	ug/l	100
46) Dibromomethane	7.44	93	631667	155.141	ug/l	94
47) Bromodichloromethane	7.72	83	1518114	165.662	ug/l	99
48) Methyl methacrylate	7.49	41	735324	181.446	ug/l	92
49) 1,4-Dioxane	7.48	88	129697	3217.617	ug/l #	83
51) 4-Methyl-2-Pentanone	8.58	43	3318573	758.899	ug/l	96
52) Toluene	8.78	92	1707332	138.775	ug/l	96
53) t-1,3-Dichloropropene	9.17	75	1349738	172.815	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	1464505	161.811	ug/l	94
55) 1,1,2-Trichloroethane	9.44	97	646489	146.605	ug/l	97
56) Ethyl methacrylate	9.30	69	858152	167.412	ug/l	93
57) 1,3-Dichloropropane	9.64	76	1202800	163.788	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.17	63	1795610	681.369	ug/l	94
59) 2-Hexanone	9.77	43	2466475	796.824	ug/l	95
60) Dibromochloromethane	9.94	129	1040858	167.174	ug/l	93
61) 1,2-Dibromoethane	10.08	107	775350	156.440	ug/l	97
64) Tetrachloroethene	9.50	164	921119	138.831	ug/l	94
65) Chlorobenzene	10.71	112	1885288	135.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	803619	152.358	ug/l	96
67) Ethyl Benzene	10.85	91	3300180	141.026	ug/l	95
68) m/p-Xylenes	11.00	106	2068644	264.693	ug/l	100
69) o-Xylene	11.40	106	1003116	130.459	ug/l	91
70) Styrene	11.42	104	1702089	130.245	ug/l	97
71) Bromoform	11.58	173	745604	169.936	ug/l	96
73) Isopropylbenzene	11.76	105	3041392	146.863	ug/l	94
74) N-amyl acetate	11.63	43	1469058	182.473	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	799555	161.432	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	840854	163.811	ug/l	98
77) Bromobenzene	12.03	156	963915	148.530	ug/l	99
78) n-propylbenzene	12.15	91	3933391	148.069	ug/l	96
79) 2-Chlorotoluene	12.20	91	2417255	155.932	ug/l	92
80) 1,3,5-Trimethylbenzene	12.31	105	2437378	146.744	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.83	75	231863	194.071	ug/l	86
82) 4-Chlorotoluene	12.31	91	2523627	142.284	ug/l	99
83) tert-Butylbenzene	12.57	119	2675193	149.707	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	2755723	157.399	ug/l	94
85) sec-Butylbenzene	12.75	105	3080322	144.861	ug/l	96
86) p-Isopropyltoluene	12.87	119	2688628	153.547	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	1555848	143.946	ug/l	95
88) 1,4-Dichlorobenzene	12.92	146	1608138	151.181	ug/l	95
89) n-Butylbenzene	13.19	91	2442925	139.897	ug/l	100
90) Hexachloroethane	13.40	117	769261	174.970	ug/l	64
91) 1,2-Dichlorobenzene	13.18	146	1179327	128.699	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	156783	192.735	ug/l #	46

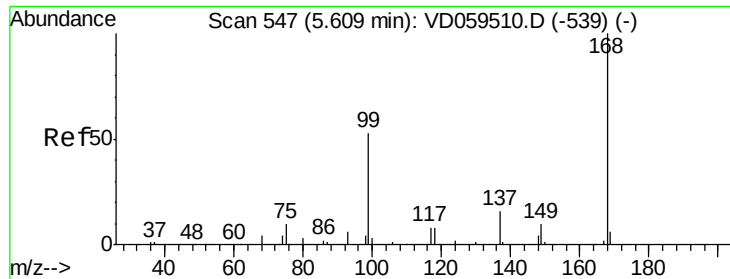
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD070218\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	1281733	153.949	ug/l	97
94) Hexachlorobutadiene	14.43	225	1006983	160.577	ug/l	97
95) Naphthalene	14.51	128	1831419	154.213	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	1098024	146.400	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

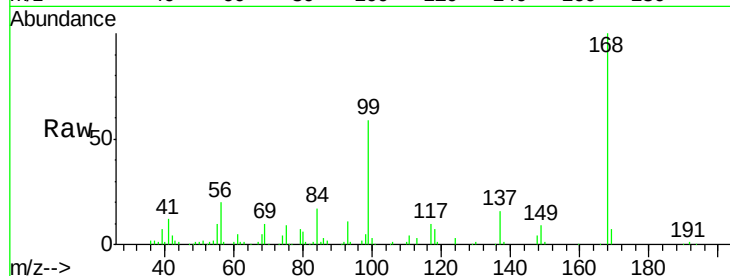
VSTDIC150

Tgt Ion:168 Resp: 651717

Ion Ratio Lower Upper

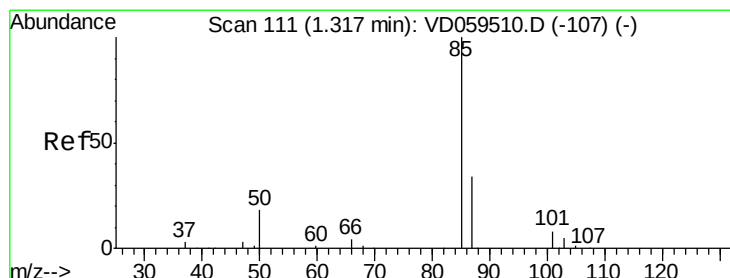
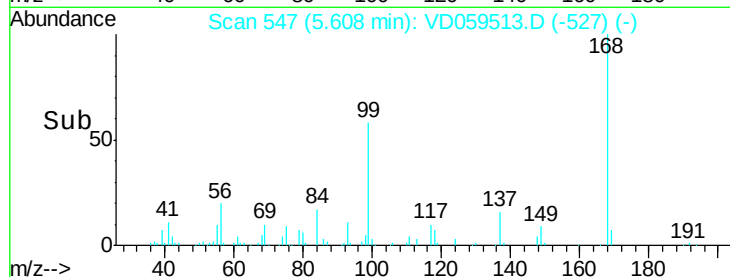
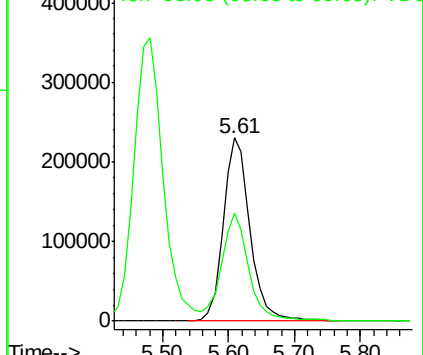
168 100

99 58.7 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 192.581 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059513.D

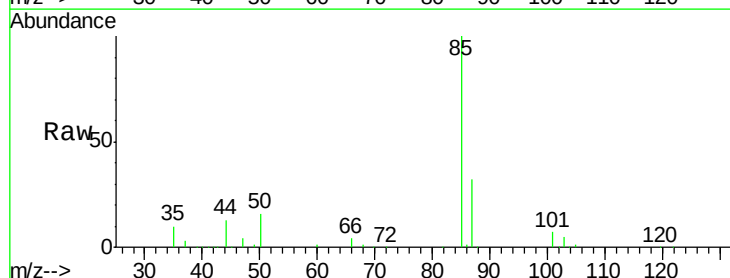
Acq: 2 Jul 2018 19:58

Tgt Ion: 85 Resp: 1256290

Ion Ratio Lower Upper

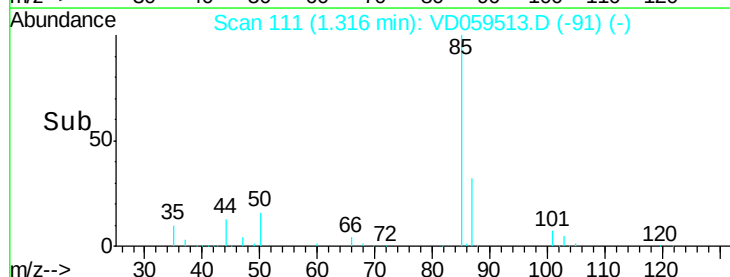
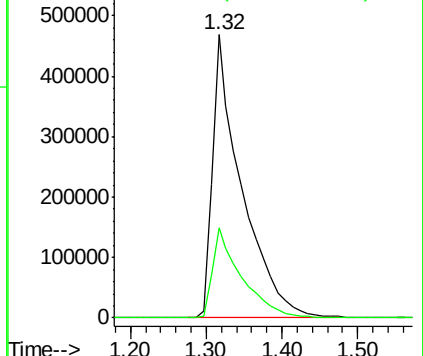
85 100

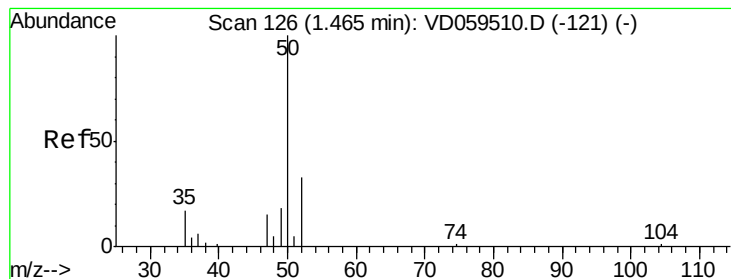
87 31.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 189.391 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

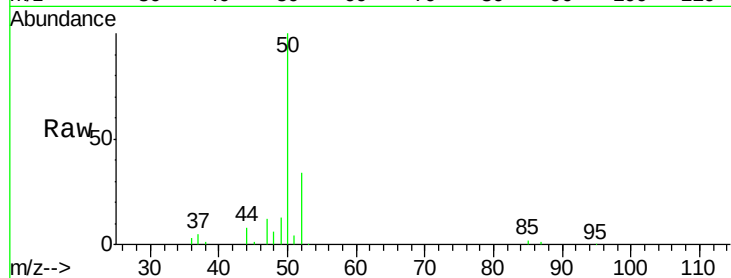
VSTDIC150

Tgt Ion: 50 Resp: 618985

Ion Ratio Lower Upper

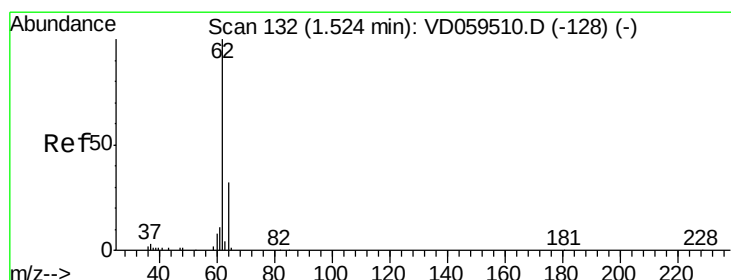
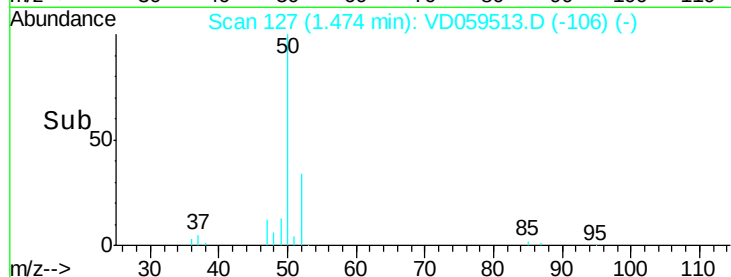
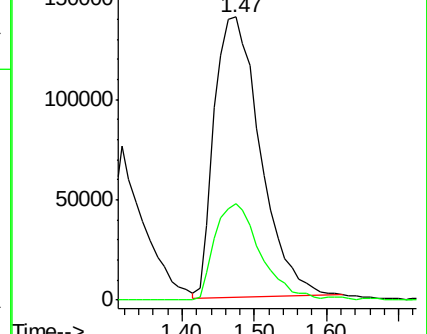
50 100

52 33.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 192.773 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059513.D

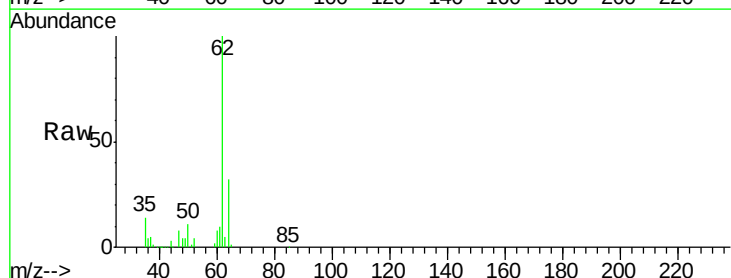
Acq: 2 Jul 2018 19:58

Tgt Ion: 62 Resp: 655981

Ion Ratio Lower Upper

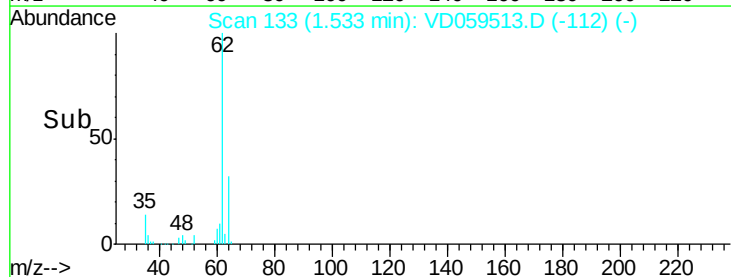
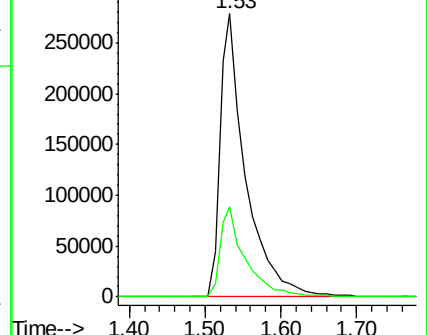
62 100

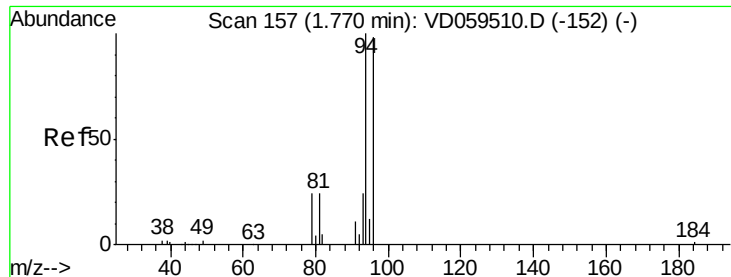
64 31.7 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 126.493 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

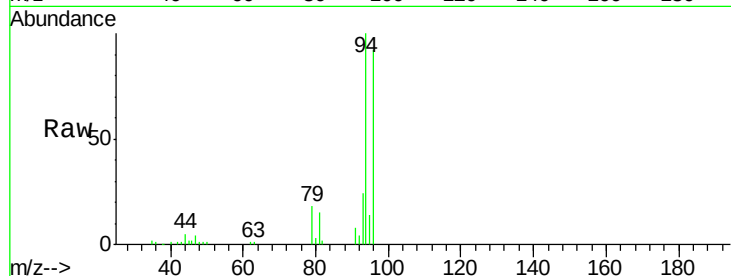
VSTDIC150

Tgt Ion: 94 Resp: 165286

Ion Ratio Lower Upper

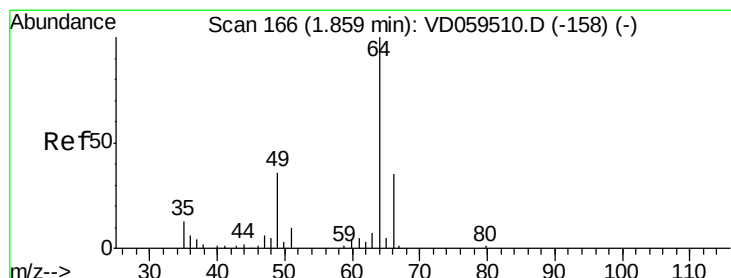
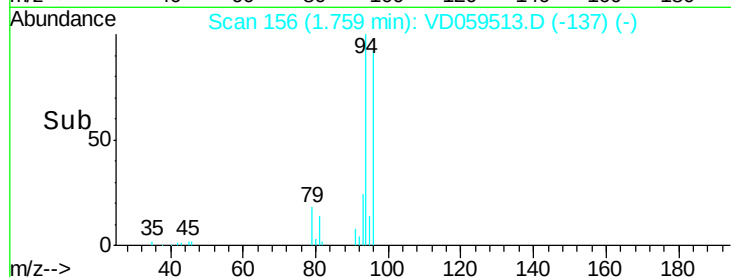
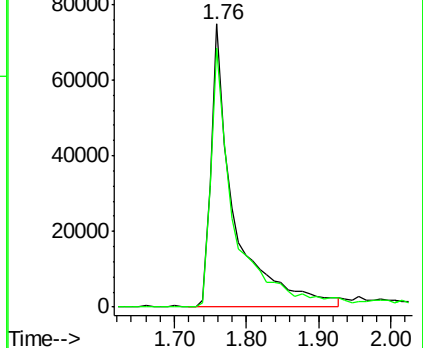
94 100

96 91.7 78.2 117.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 94.558 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.02 min

Lab File: VD059513.D

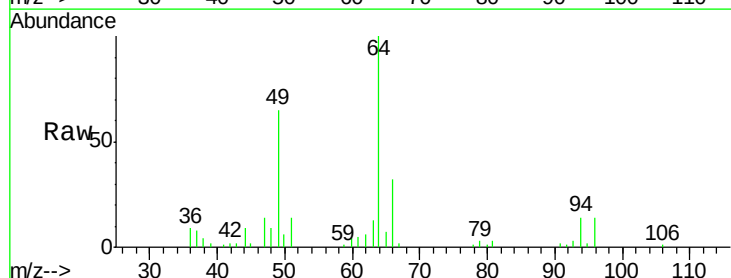
Acq: 2 Jul 2018 19:58

Tgt Ion: 64 Resp: 135856

Ion Ratio Lower Upper

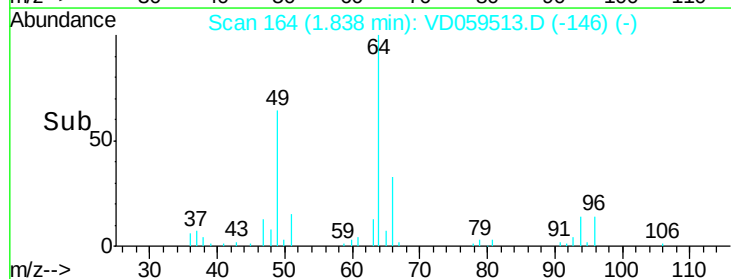
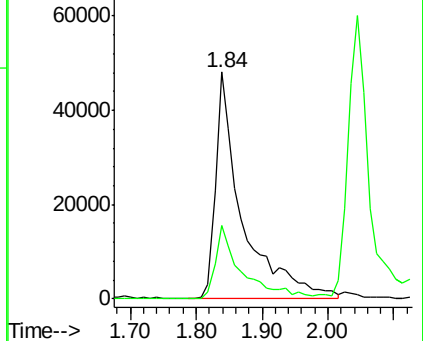
64 100

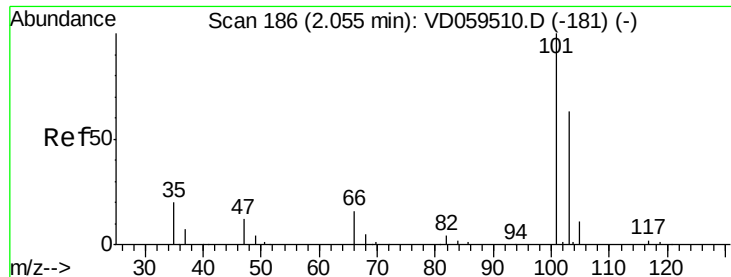
66 32.5 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



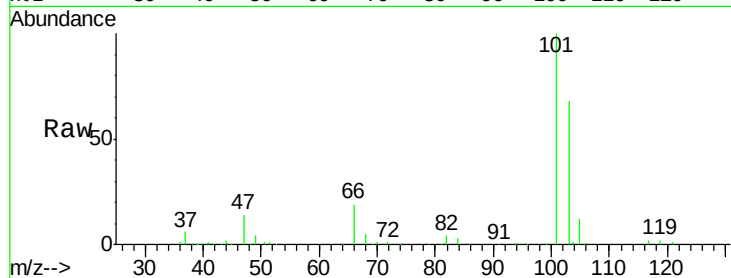


#7

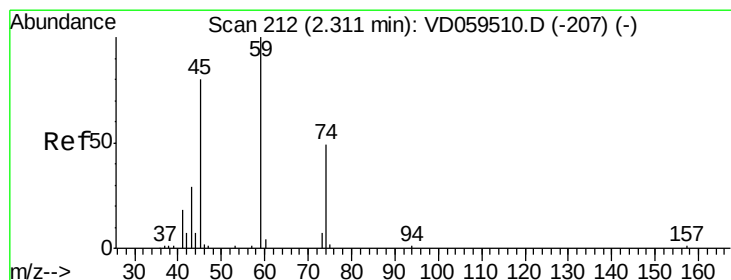
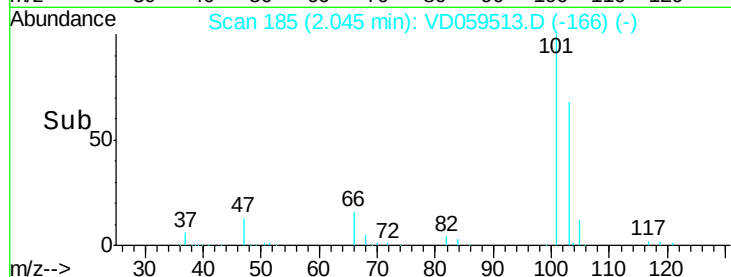
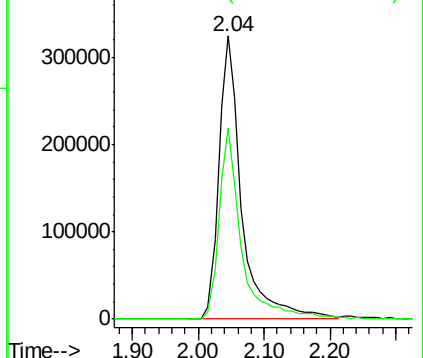
Trichlorofluoromethane
 Concen: 157.644 ug/l
 RT: 2.04 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Instrument :
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 VSTDIC150

Tgt Ion: 101 Resp: 784418
 Ion Ratio Lower Upper
 101 100
 103 67.6 50.6 76.0



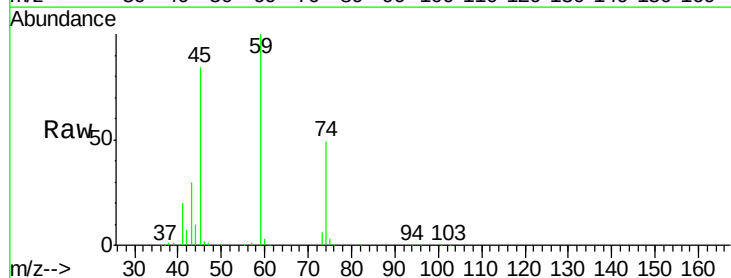
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



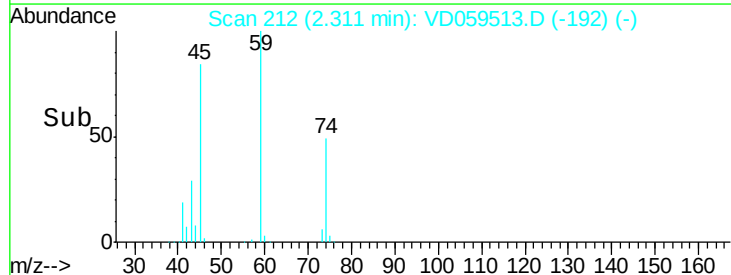
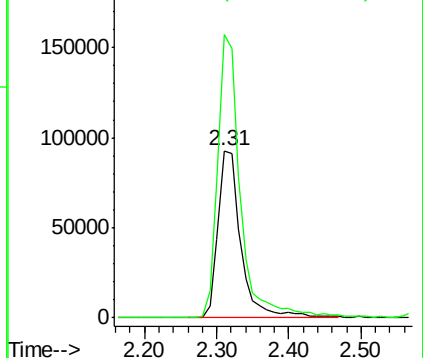
#8

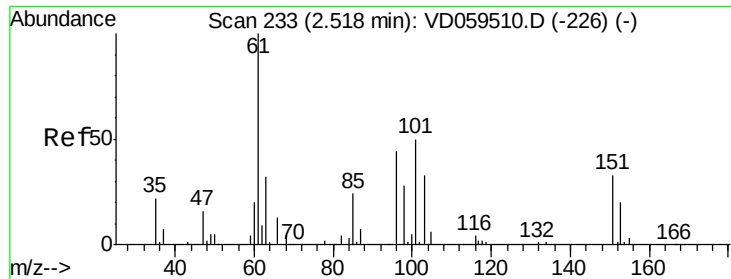
Diethyl Ether
 Concen: 187.601 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 74 Resp: 203214
 Ion Ratio Lower Upper
 74 100
 45 169.6 83.5 250.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 183.505 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

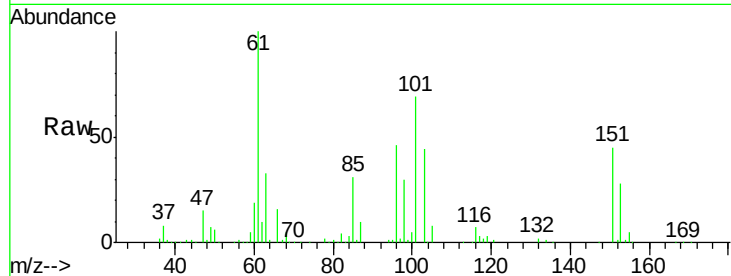
Tgt Ion:101 Resp: 565769

Ion Ratio Lower Upper

101 100

85 44.9 38.8 58.2

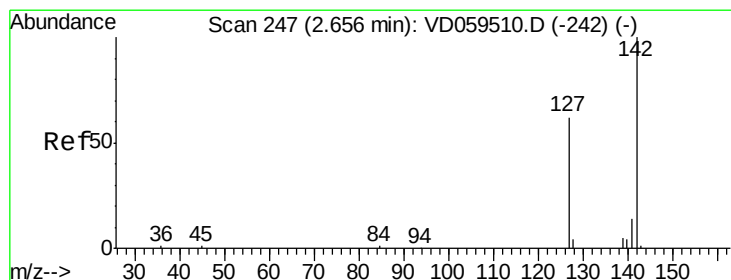
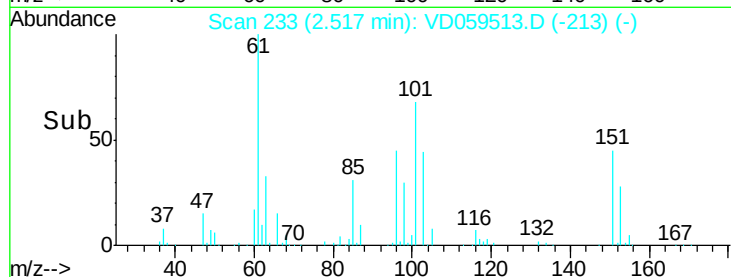
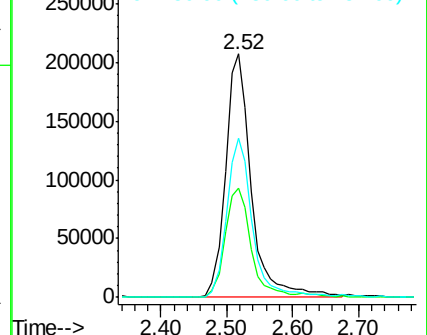
151 65.5 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 202.903 ug/l

RT: 2.66 min Scan# 247

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

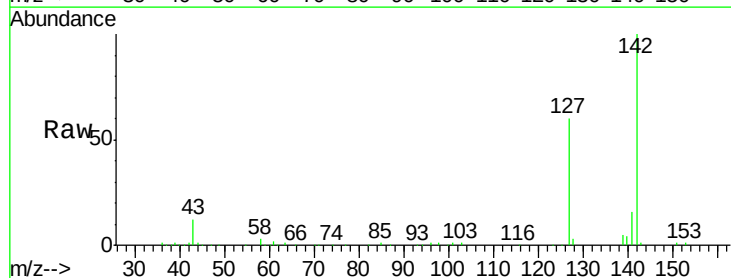
Tgt Ion:142 Resp: 717263

Ion Ratio Lower Upper

142 100

127 60.0 49.8 74.8

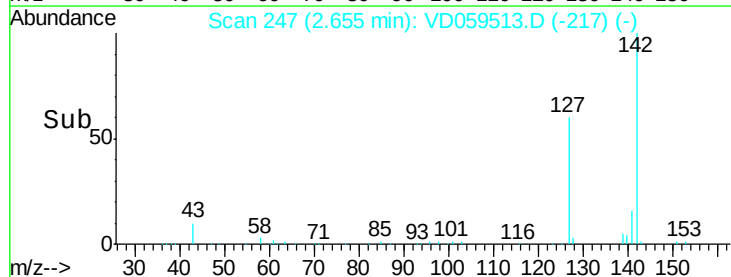
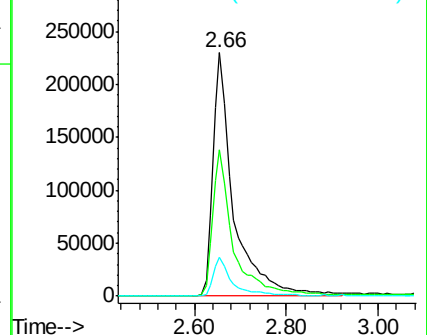
141 15.9 11.1 16.7

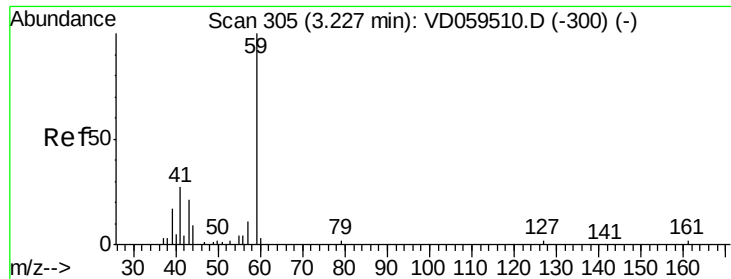


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

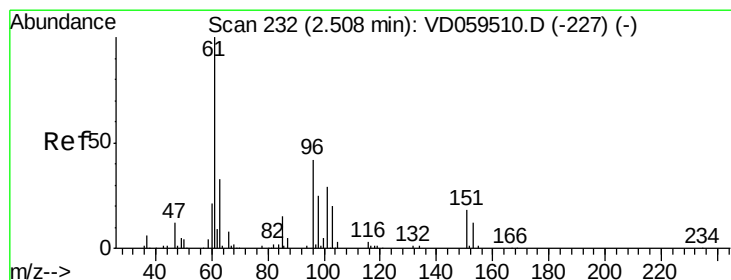
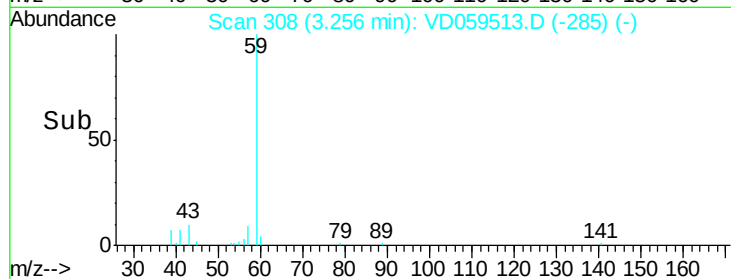
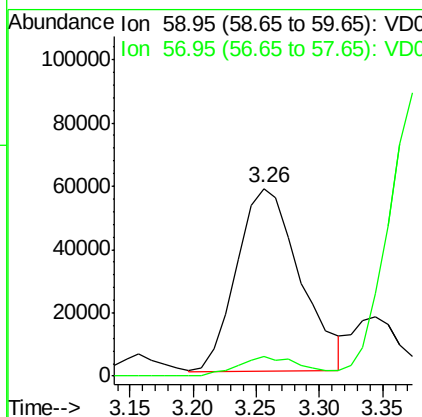
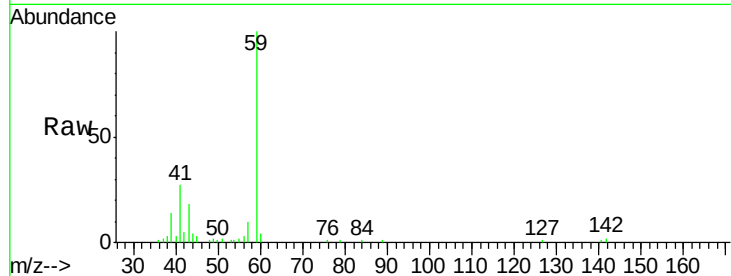




#11
Tert butyl alcohol
Concen: 848.273 ug/l
RT: 3.26 min Scan# 308
Delta R.T. 0.03 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

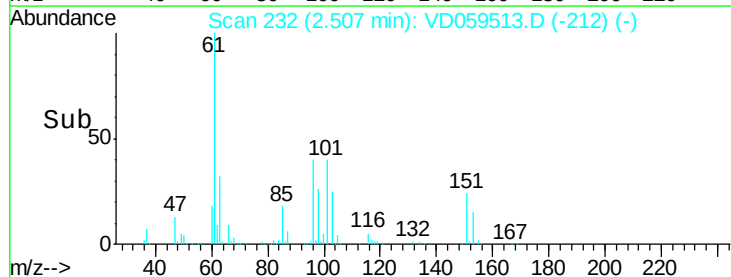
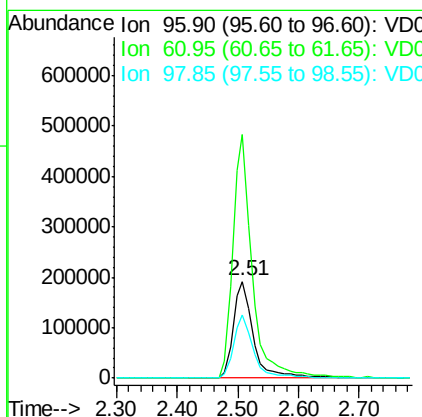
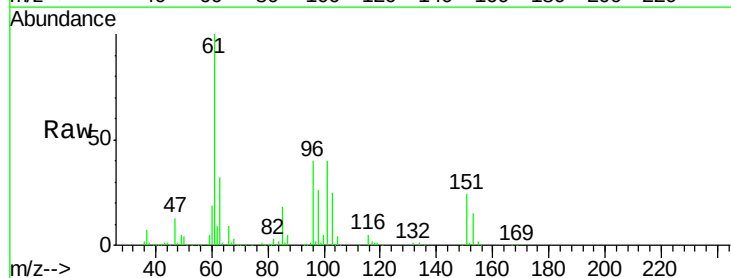
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

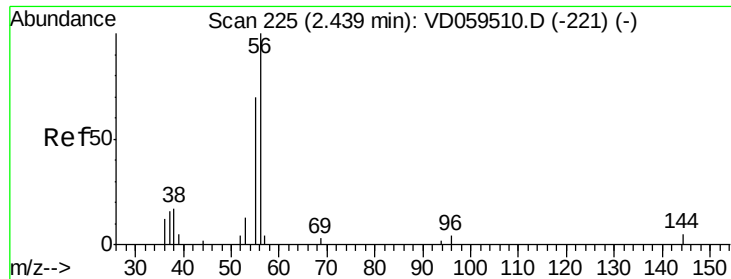
Tgt Ion: 59 Resp: 201532
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#12
1,1-Dichloroethene
Concen: 183.672 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 96 Resp: 437939
Ion Ratio Lower Upper
96 100
61 251.1 189.4 284.0
98 64.9 47.9 71.9





#13

Acrolein

Concen: 494.904 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

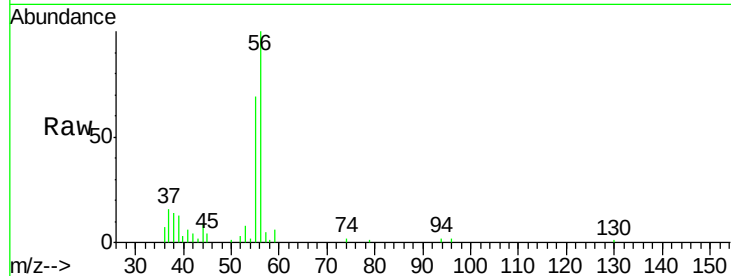
VSTDIC150

Tgt Ion: 56 Resp: 96562

Ion Ratio Lower Upper

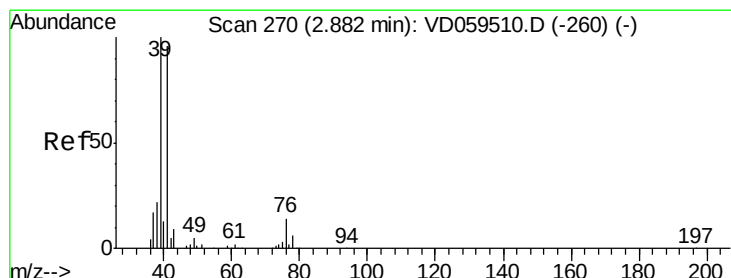
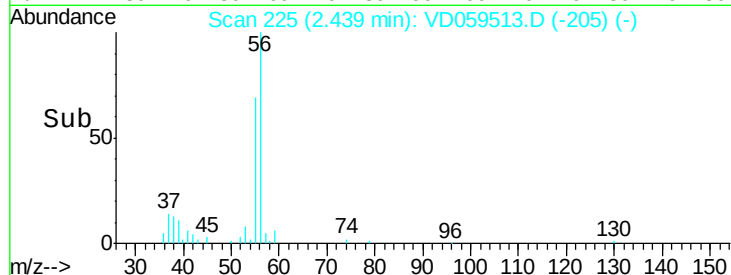
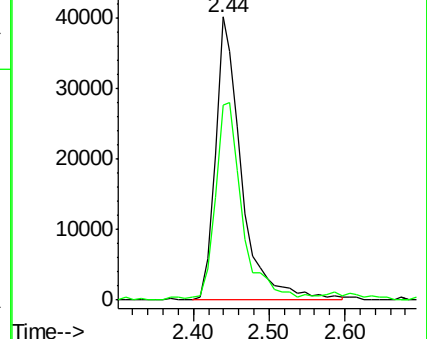
56 100

55 68.8 56.0 84.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 201.173 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

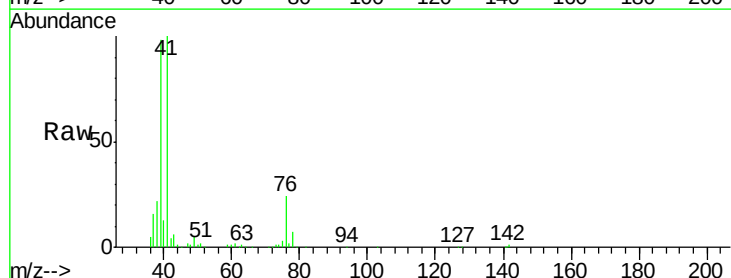
Tgt Ion: 41 Resp: 1082232

Ion Ratio Lower Upper

41 100

39 97.6 83.8 125.8

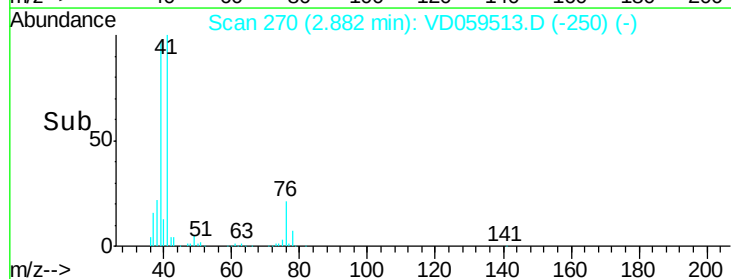
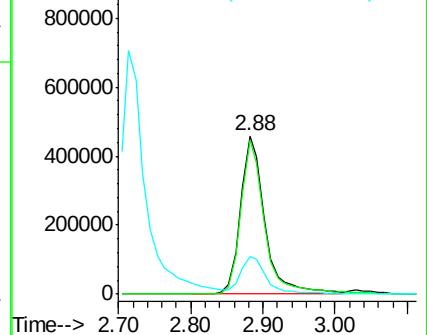
76 24.0 18.4 27.6

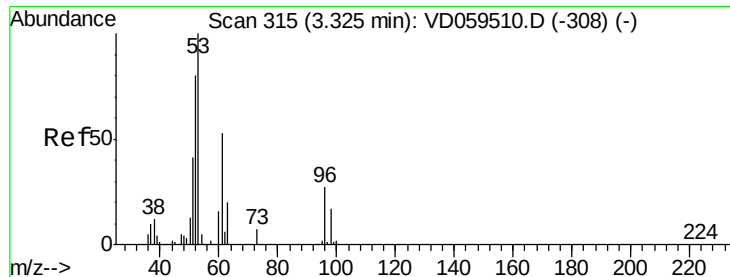


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 868.617 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

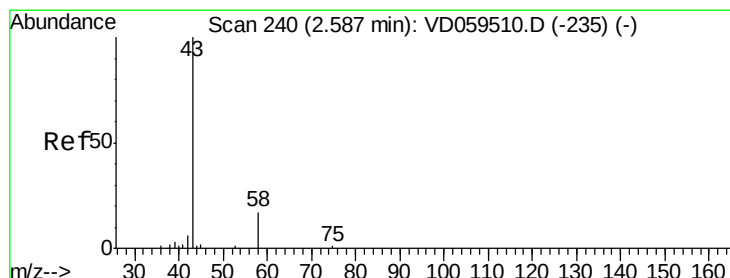
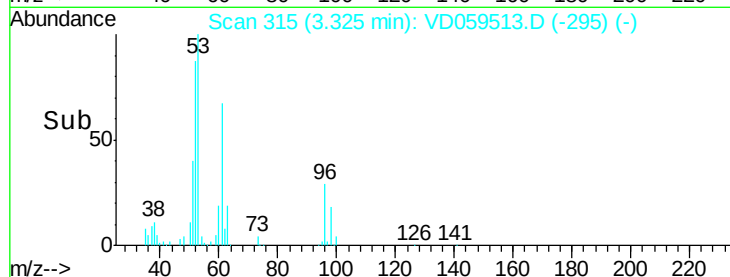
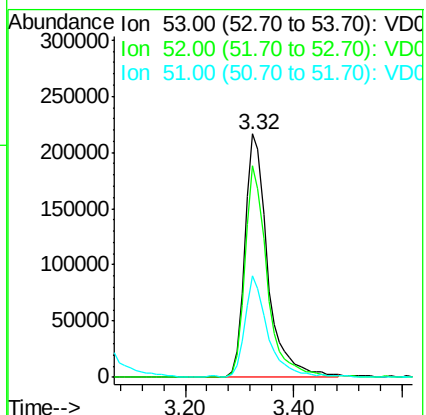
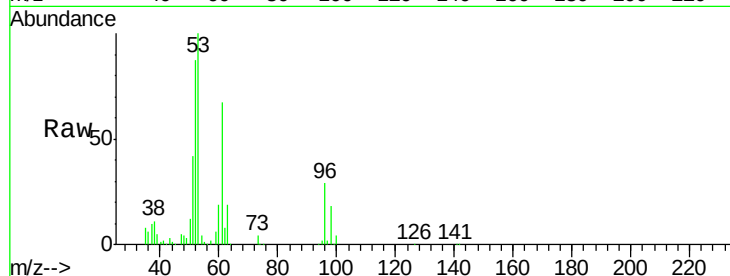
Tgt Ion: 53 Resp: 636190

Ion Ratio Lower Upper

53 100

52 86.8 64.3 96.5

51 41.7 33.0 49.4



#16

Acetone

Concen: 897.381 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD059513.D

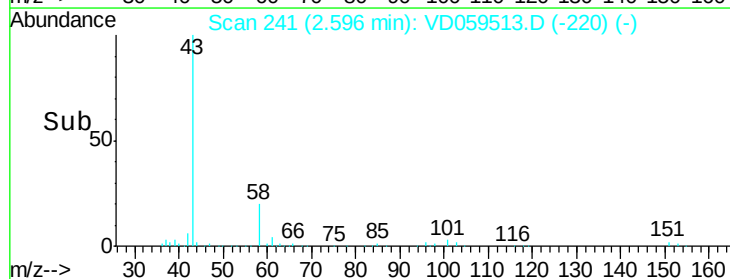
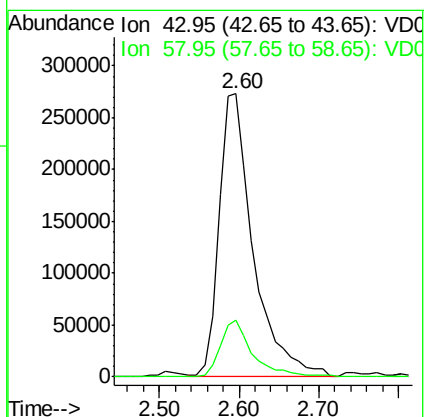
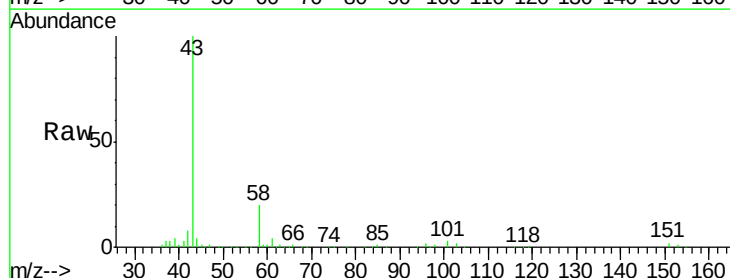
Acq: 2 Jul 2018 19:58

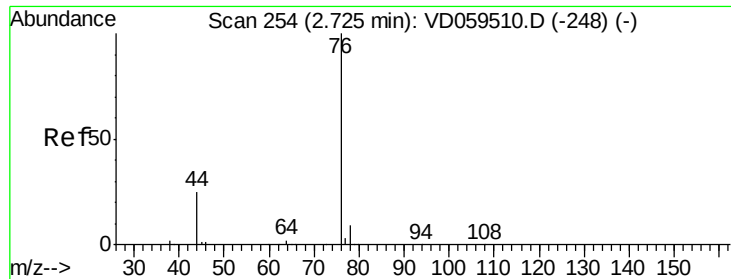
Tgt Ion: 43 Resp: 817873

Ion Ratio Lower Upper

43 100

58 20.0 13.8 20.8

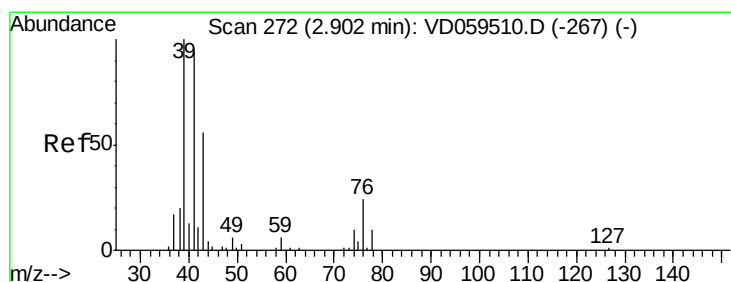
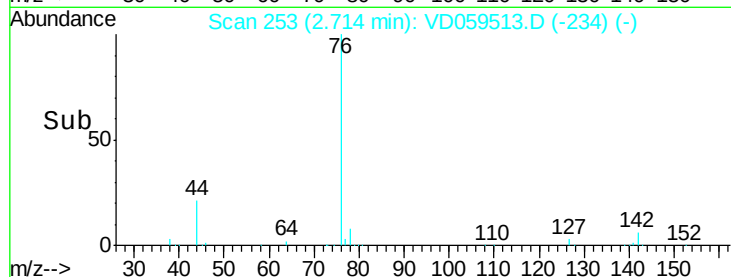
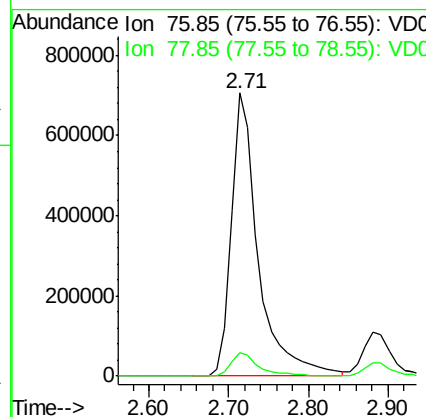
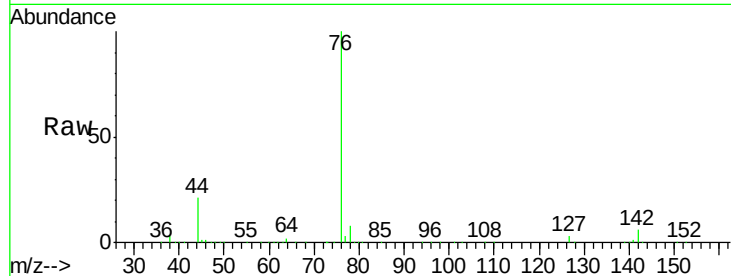




#17
Carbon Disulfide
Concen: 225.518 ug/l
RT: 2.71 min Scan# 253
Delta R.T. -0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

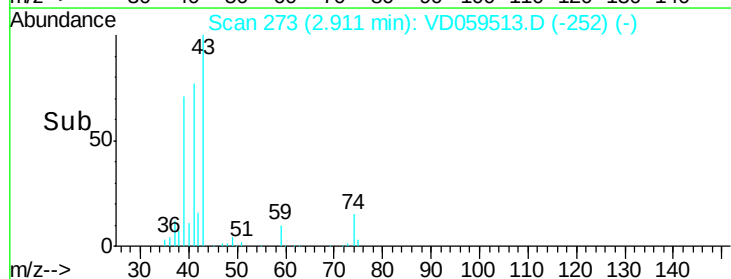
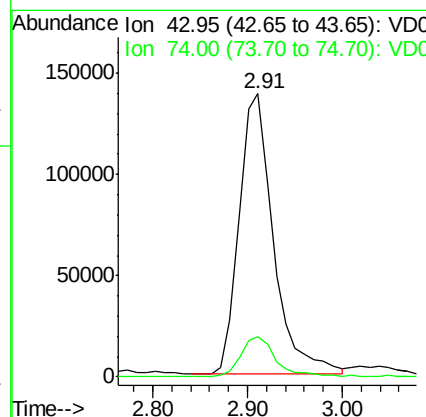
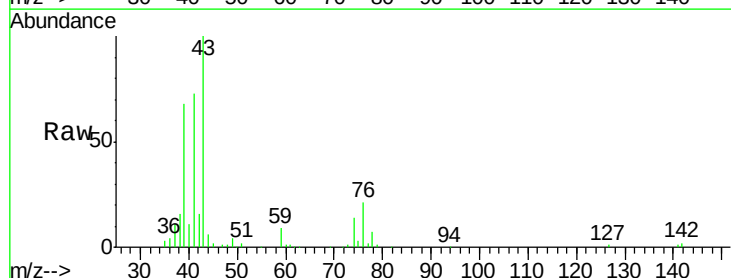
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

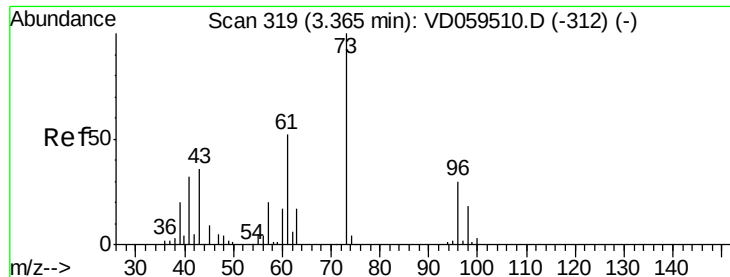
Tgt Ion: 76 Resp: 1680446
Ion Ratio Lower Upper
76 100
78 8.4 6.9 10.3



#18
Methyl Acetate
Concen: 158.498 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 43 Resp: 349057
Ion Ratio Lower Upper
43 100
74 14.3 13.8 20.8

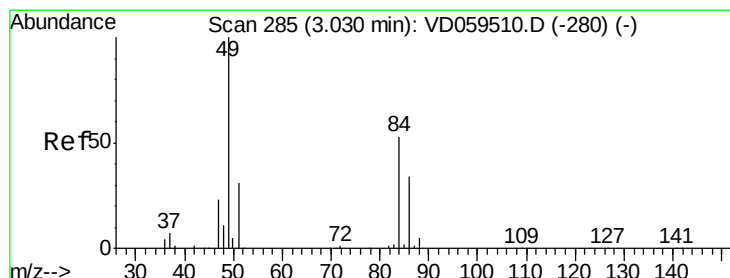
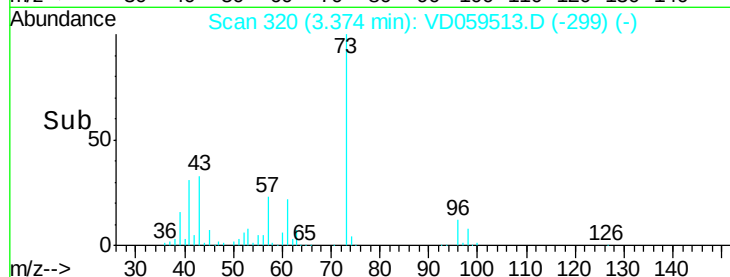
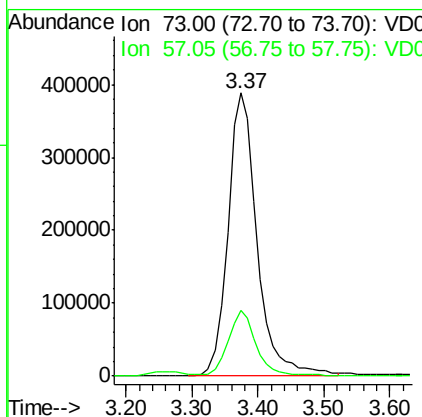
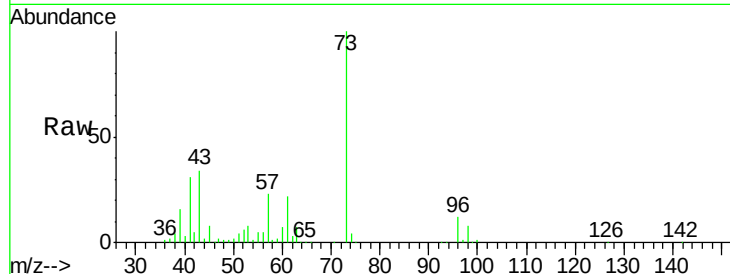




#19
Methyl tert-butyl Ether
Concen: 117.182 ug/l
RT: 3.37 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

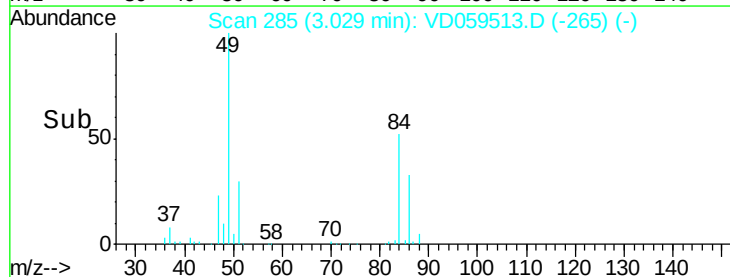
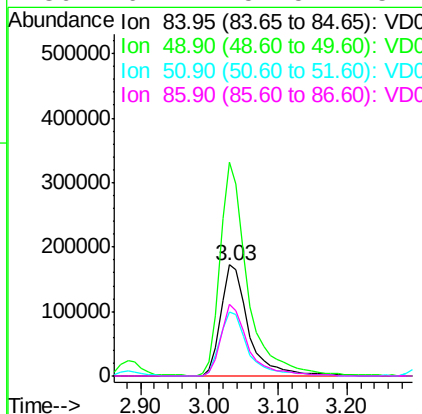
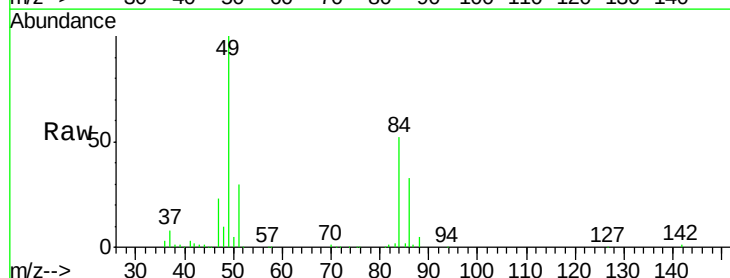
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

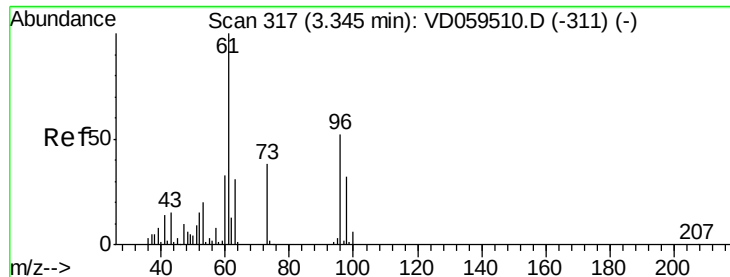
Tgt Ion: 73 Resp: 1202540
Ion Ratio Lower Upper
73 100
57 23.0 16.5 24.7



#20
Methylene Chloride
Concen: 165.531 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 84 Resp: 480233
Ion Ratio Lower Upper
84 100
49 192.6 152.2 228.2
51 58.3 46.5 69.7
86 64.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 129.098 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

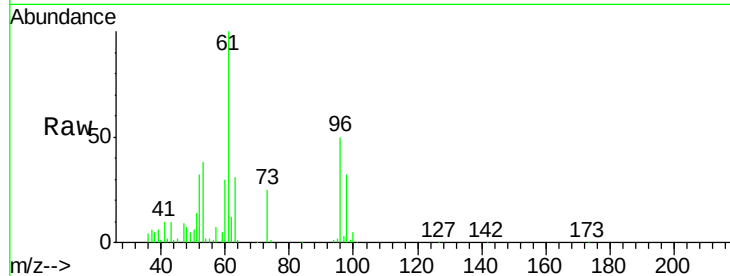
Tgt Ion: 96 Resp: 492020

Ion Ratio Lower Upper

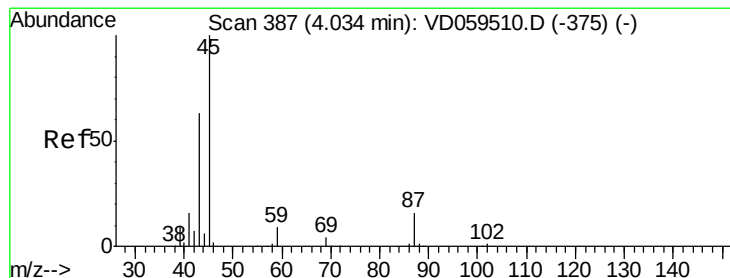
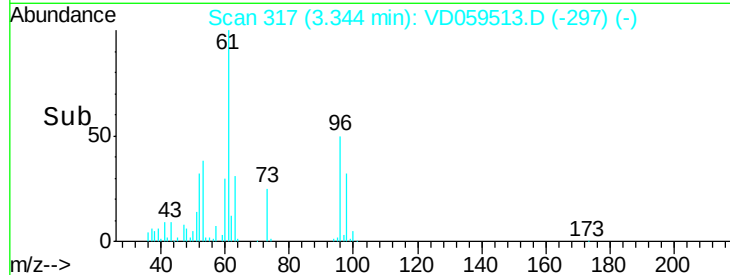
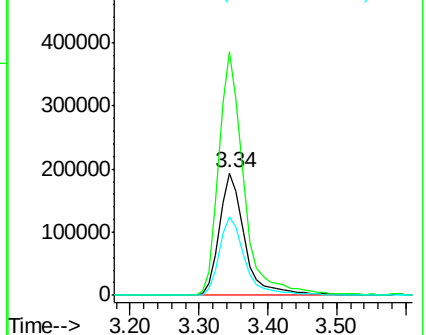
96 100

61 198.8 154.7 232.1

98 63.8 49.9 74.9



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



#22

Diisopropyl ether

Concen: 166.520 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Tgt Ion: 45 Resp: 3332839

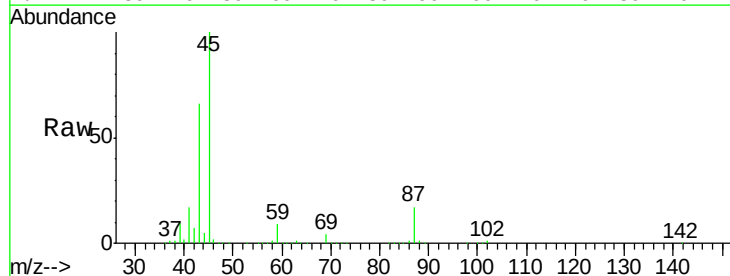
Ion Ratio Lower Upper

45 100

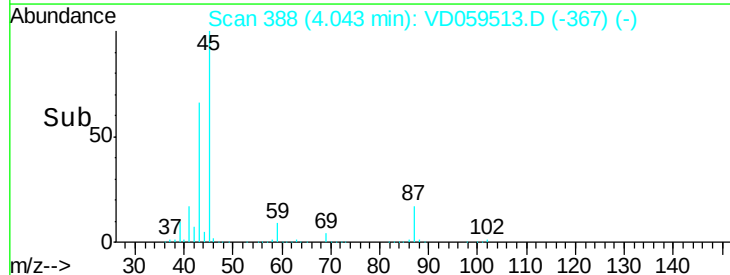
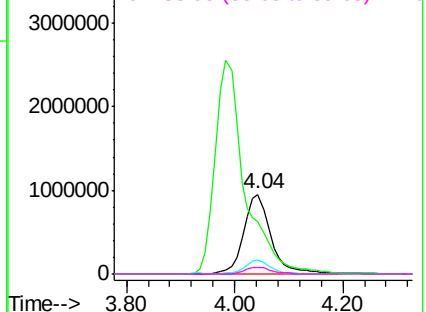
43 65.6 50.7 76.1

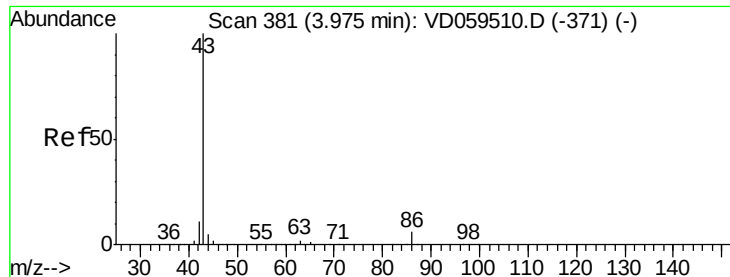
87 17.0 13.4 20.0

59 8.8 7.4 11.0



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





#23

Vinyl Acetate

Concen: 909.468 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

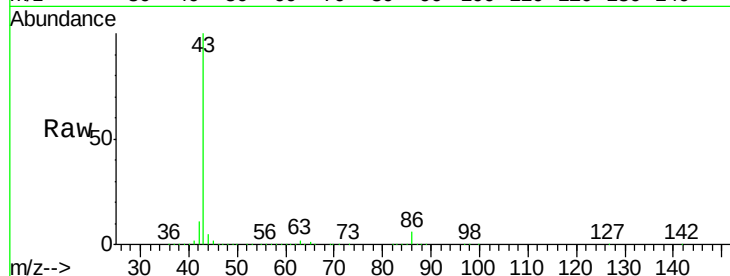
VSTDIC150

Tgt Ion: 43 Resp: 9665115

Ion Ratio Lower Upper

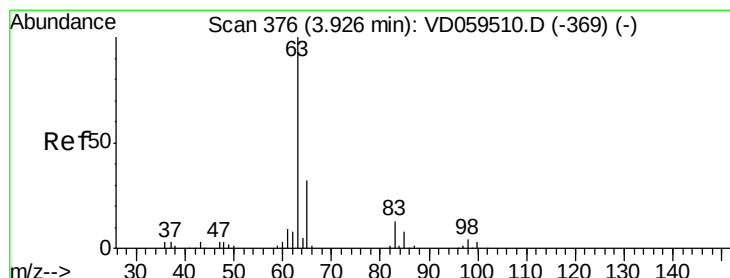
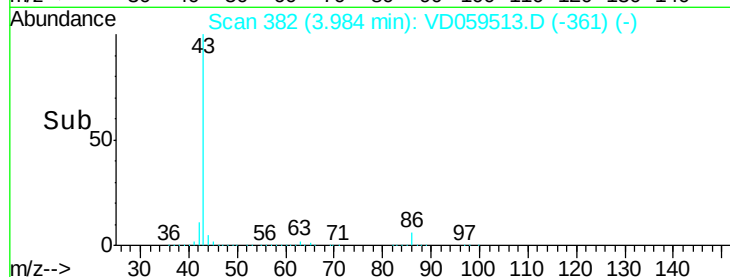
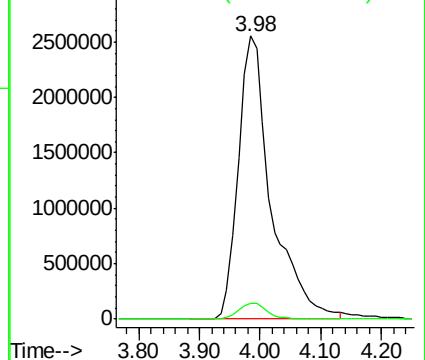
43 100

86 5.7 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 167.579 ug/l

RT: 3.93 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

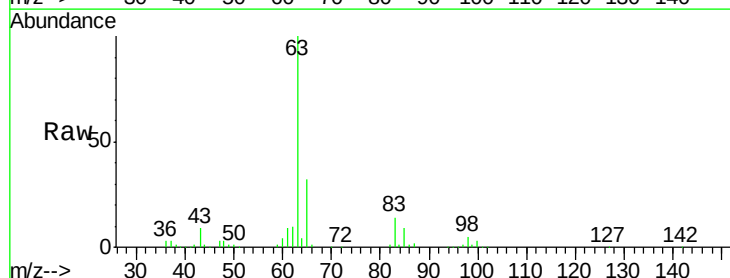
Tgt Ion: 63 Resp: 1927826

Ion Ratio Lower Upper

63 100

98 4.7 2.0 5.8

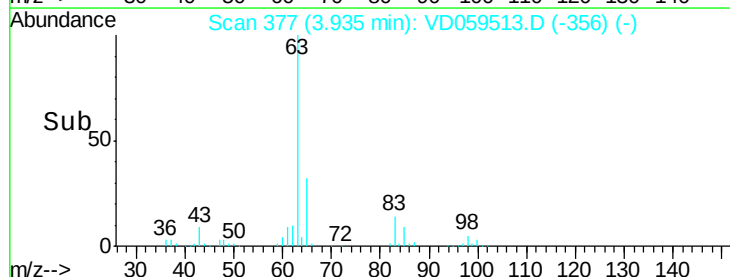
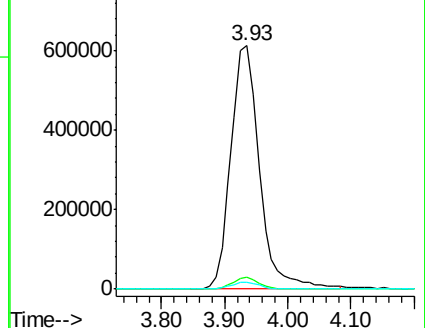
100 2.6 1.5 4.4

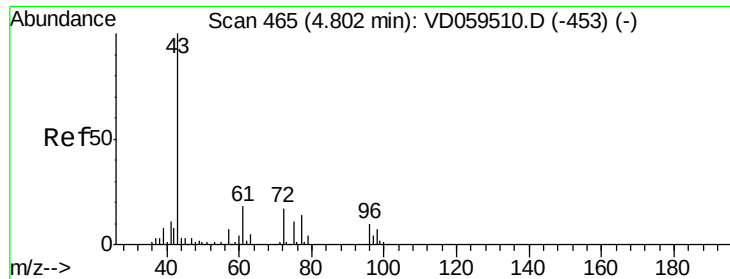


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 881.108 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

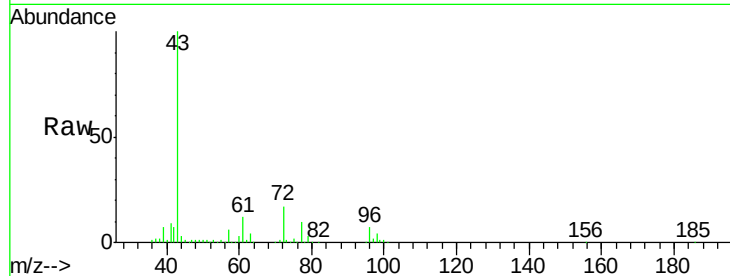
VSTDIC150

Tgt Ion: 43 Resp: 1670279

Ion Ratio Lower Upper

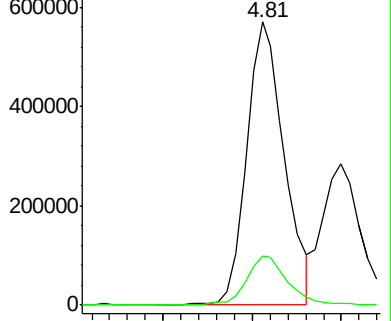
43 100

72 17.4 13.8 20.8

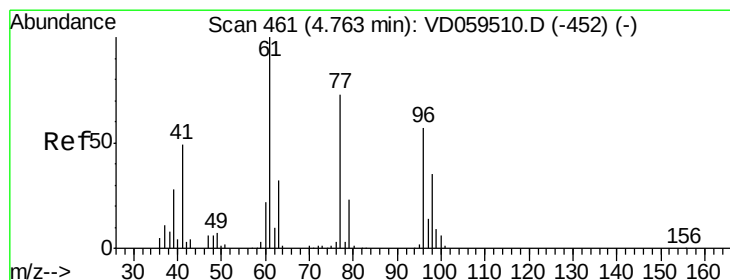
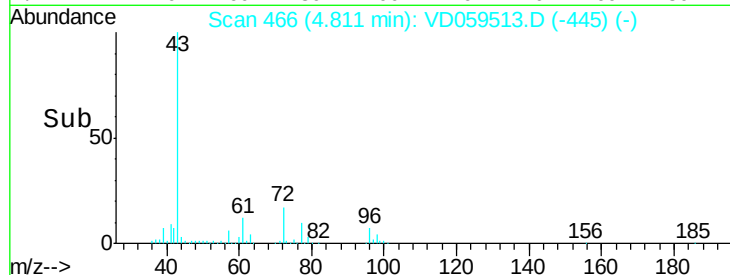


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 170.949 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059513.D

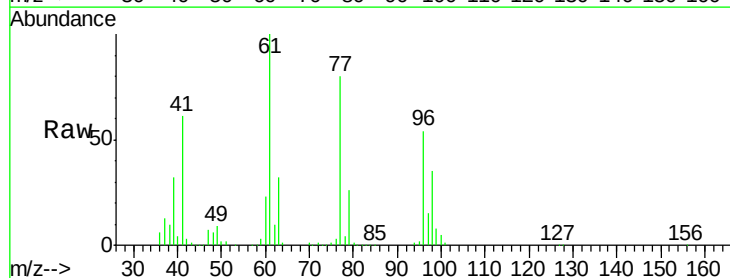
Acq: 2 Jul 2018 19:58

Tgt Ion: 77 Resp: 1533786

Ion Ratio Lower Upper

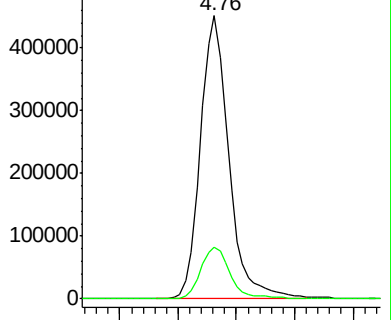
77 100

97 18.3 9.5 28.5

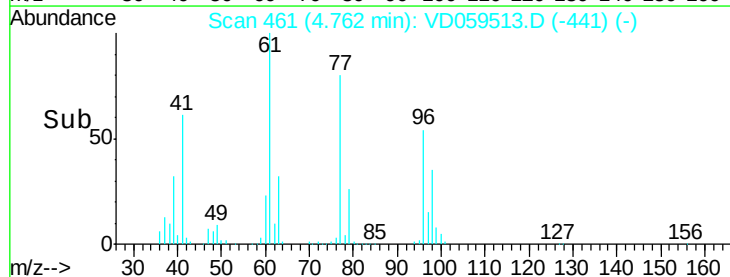


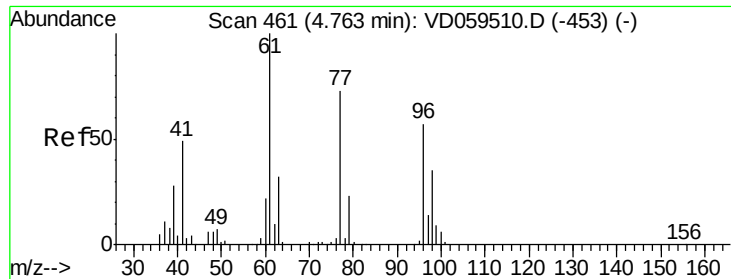
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



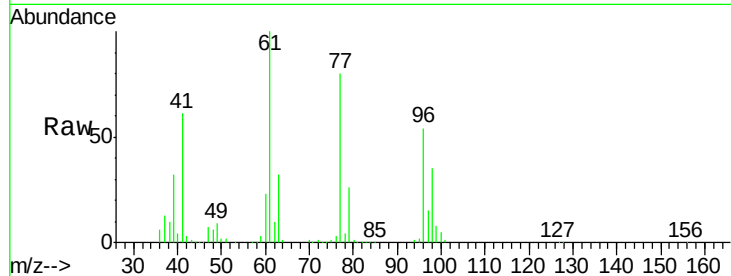


#27

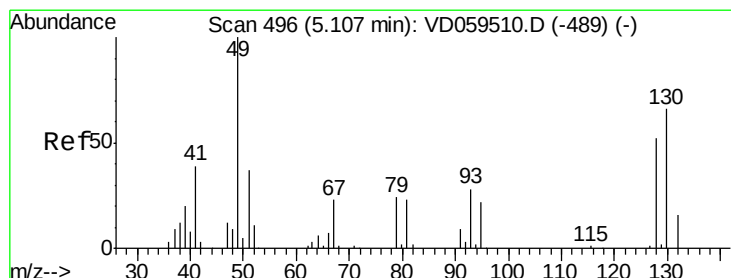
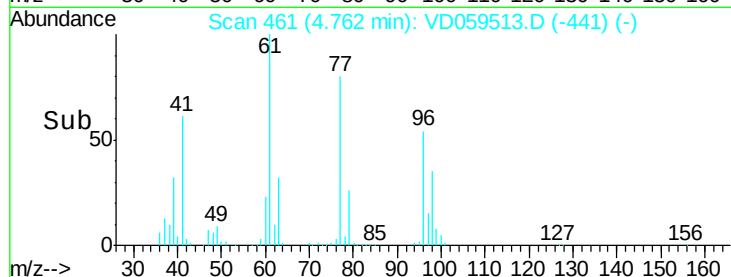
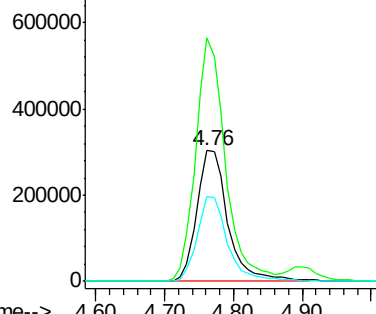
cis-1,2-Dichloroethene
Concen: 139.538 ug/l
RT: 4.76 min Scan# 461
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 947784
Ion Ratio Lower Upper
96 100
61 186.2 0.0 350.8
98 65.2 0.0 123.4



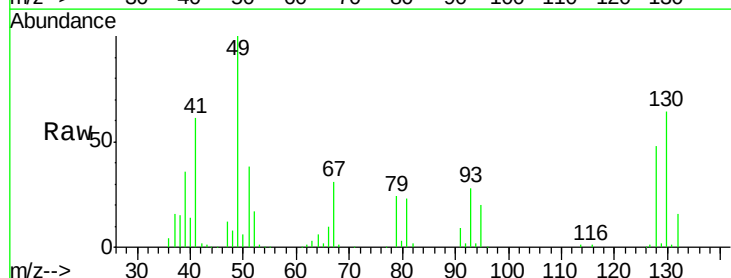
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



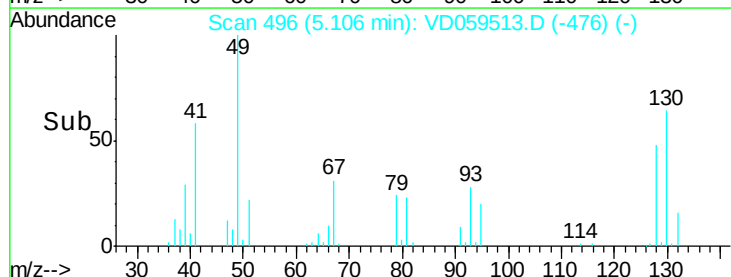
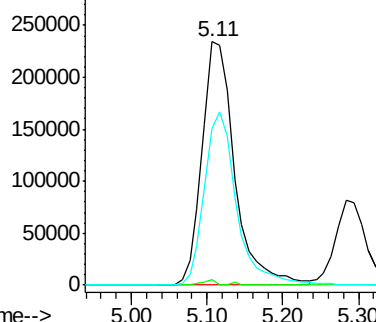
#28

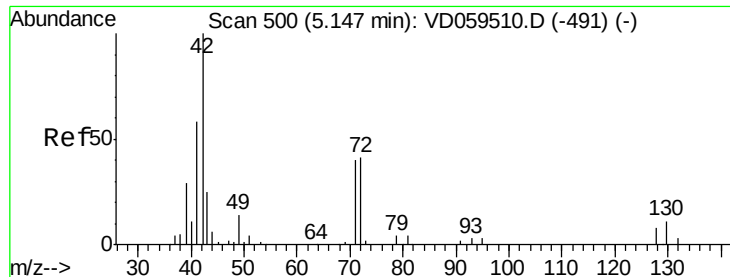
Bromochloromethane
Concen: 149.656 ug/l
RT: 5.11 min Scan# 496
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 49 Resp: 699546
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.4
130 64.2 52.6 78.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 837.243 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.02 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

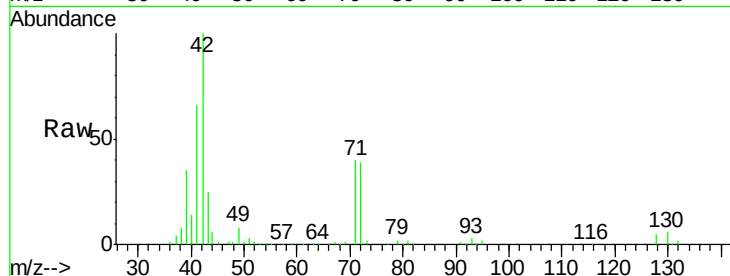
Tgt Ion: 42 Resp: 858826

Ion Ratio Lower Upper

42 100

72 39.2 32.9 49.3

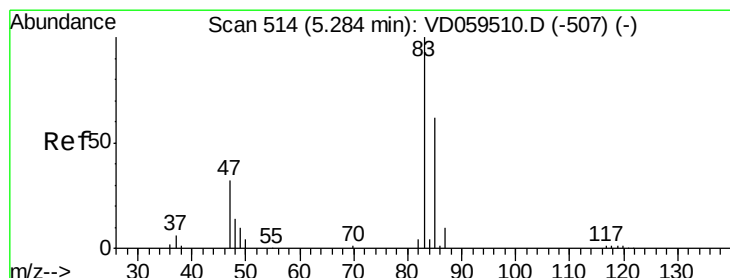
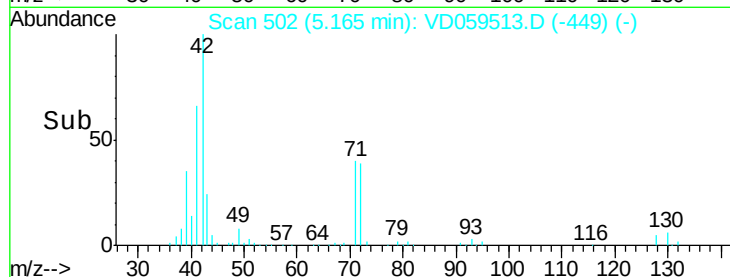
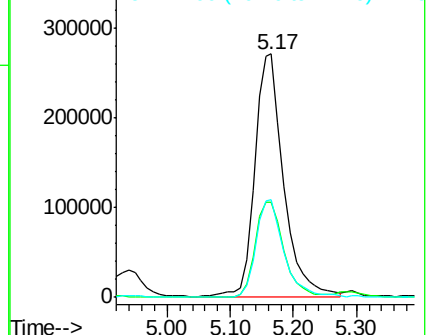
71 39.6 31.6 47.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 168.237 ug/l

RT: 5.29 min Scan# 515

Delta R.T. 0.01 min

Lab File: VD059513.D

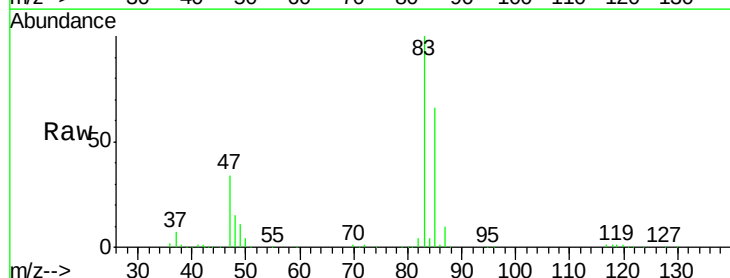
Acq: 2 Jul 2018 19:58

Tgt Ion: 83 Resp: 2083169

Ion Ratio Lower Upper

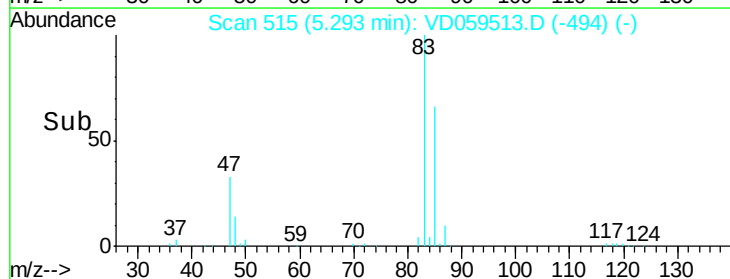
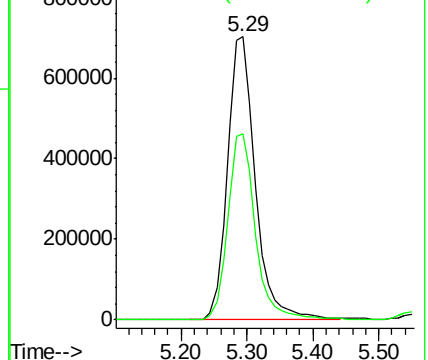
83 100

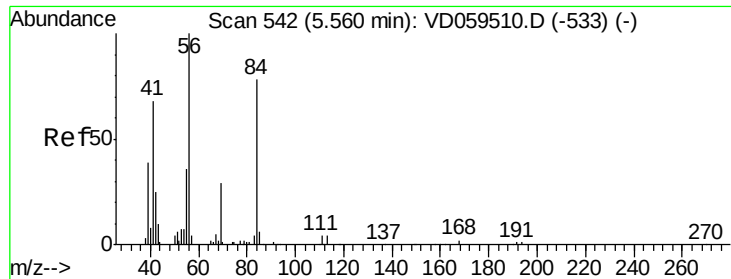
85 65.6 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

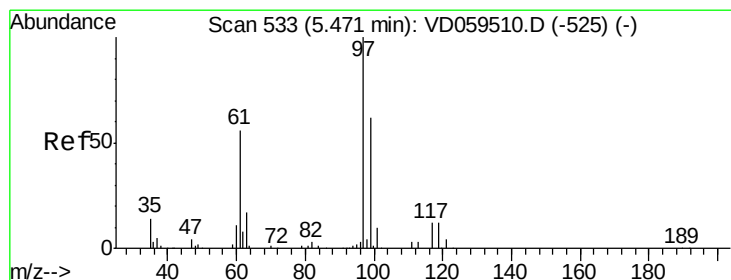
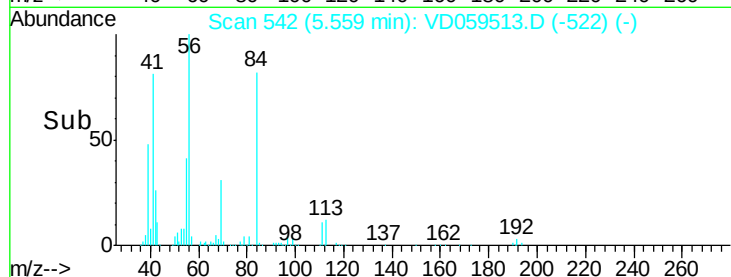
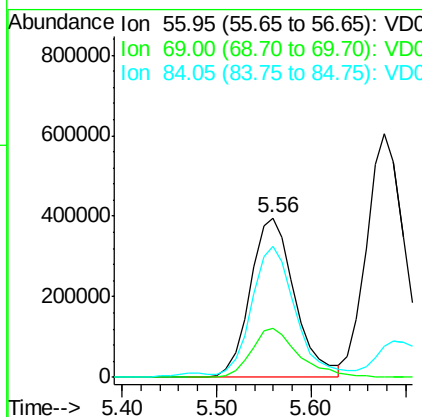
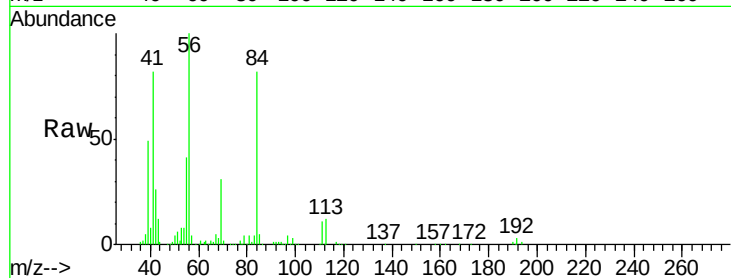




#31
Cyclohexane
Concen: 148.097 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

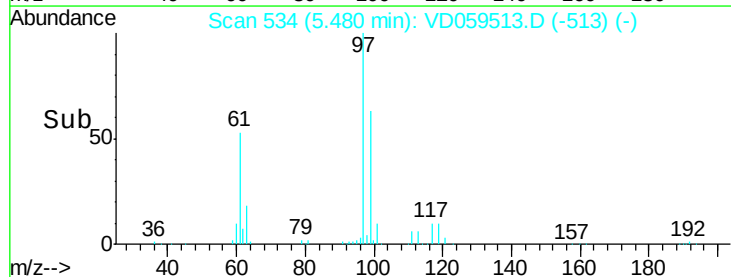
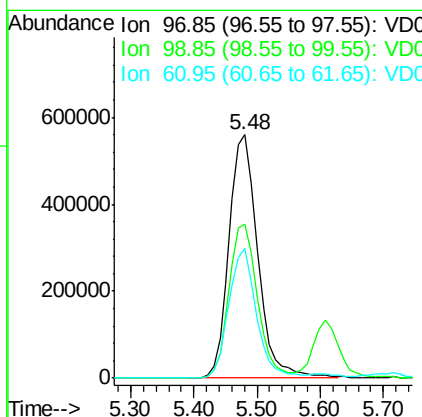
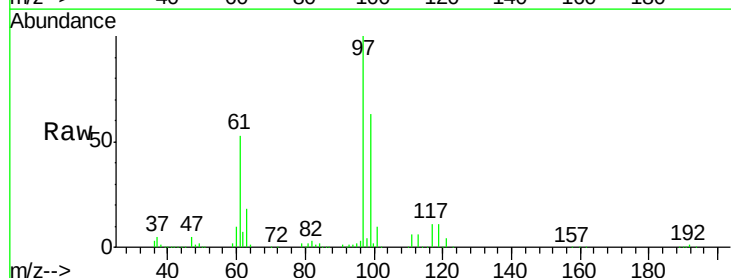
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

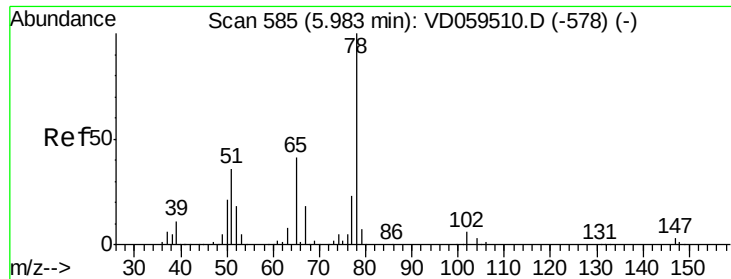
Tgt Ion: 56 Resp: 1286687
Ion Ratio Lower Upper
56 100
69 30.7 22.9 34.3
84 82.3 63.4 95.0



#32
1,1,1-Trichloroethane
Concen: 177.391 ug/l
RT: 5.48 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 97 Resp: 1765070
Ion Ratio Lower Upper
97 100
99 63.4 49.6 74.4
61 53.4 44.8 67.2

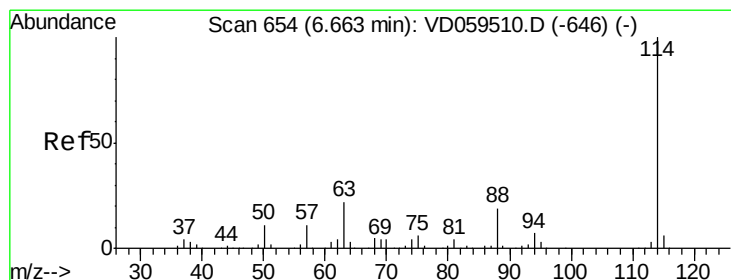
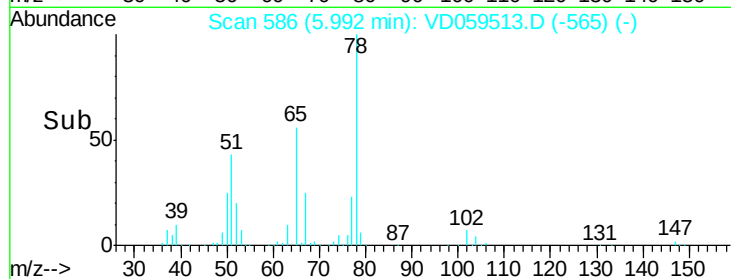
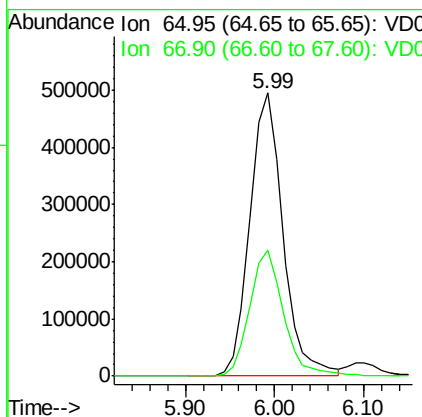
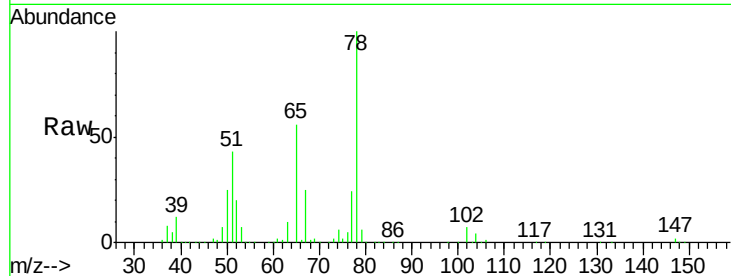




#33
 1,2-Dichloroethane-d4
 Concen: 177.391 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

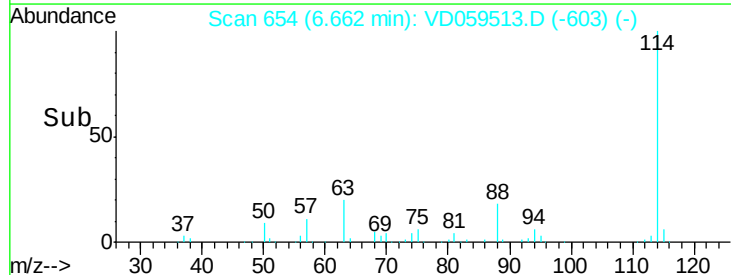
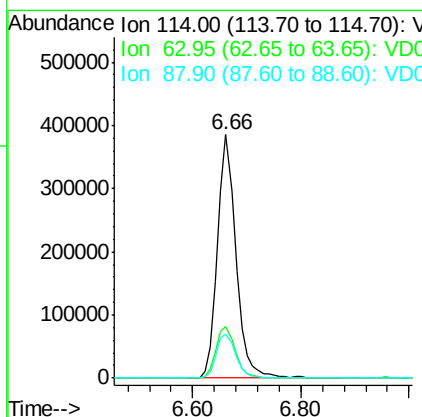
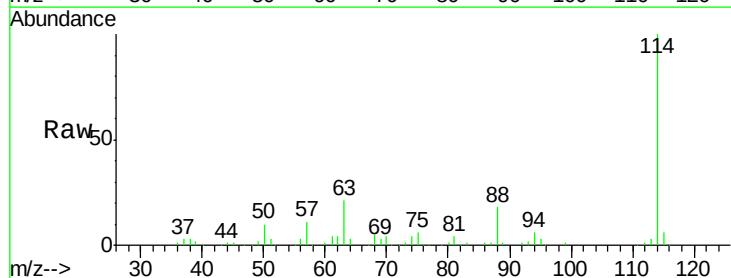
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

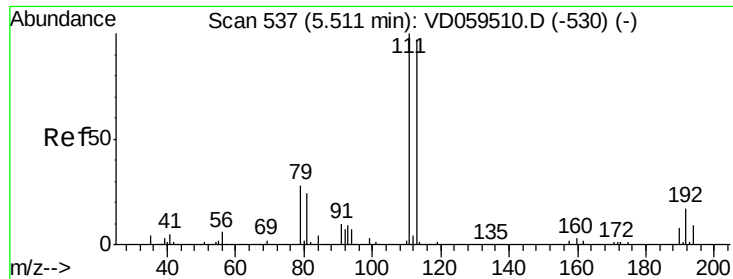
Tgt Ion: 65 Resp: 1269103
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 114 Resp: 910986
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 44.4
 88 18.0 0.0 37.8

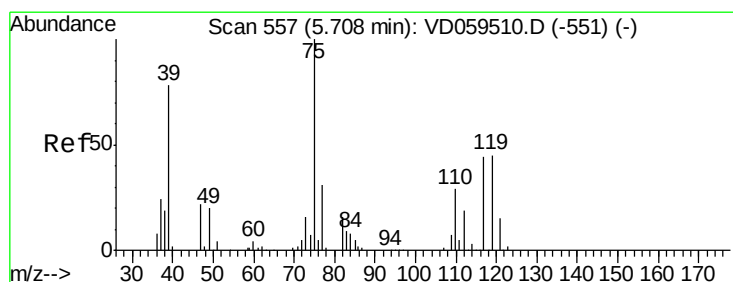
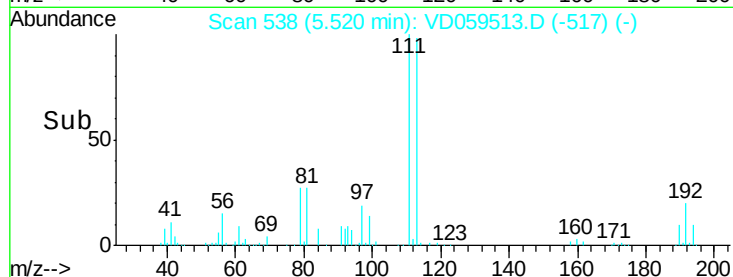
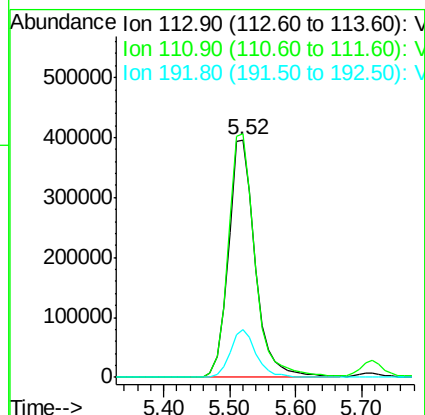
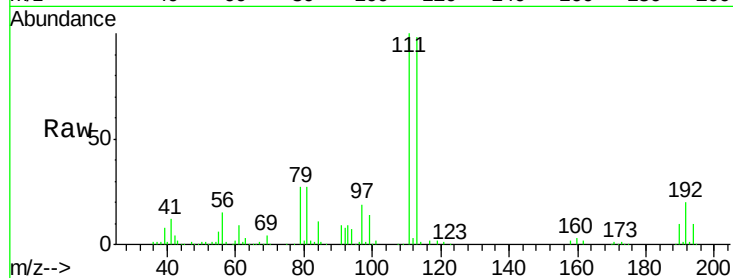




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

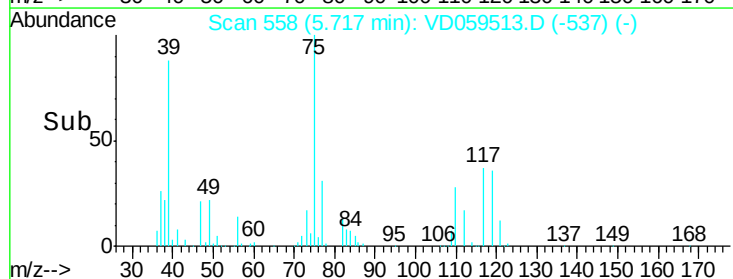
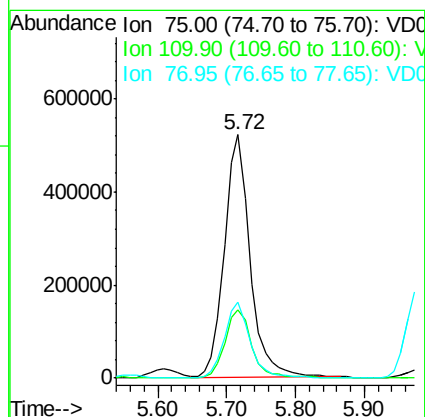
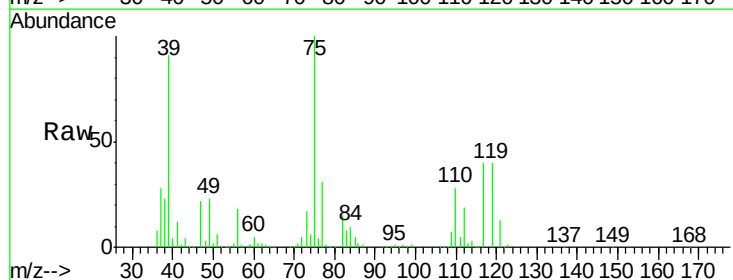
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

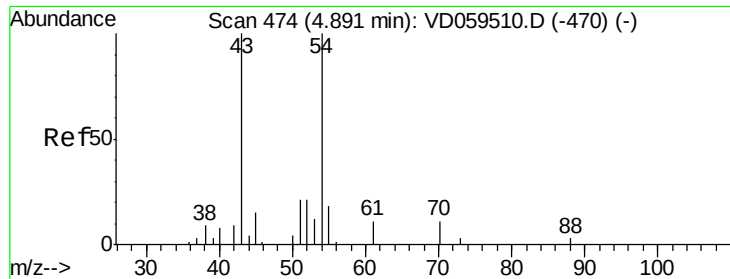
Tgt Ion:113 Resp: 1127426
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 20.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 154.956 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 75 Resp: 1349214
Ion Ratio Lower Upper
75 100
110 28.1 14.4 43.4
77 31.1 25.0 37.6

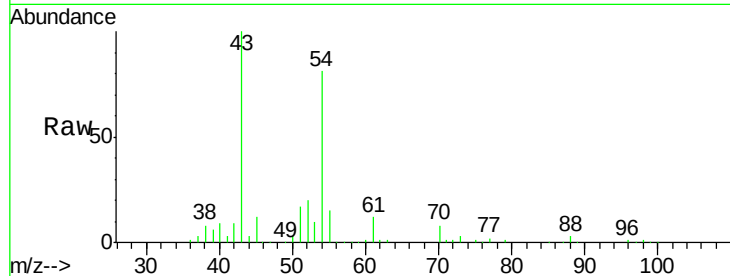




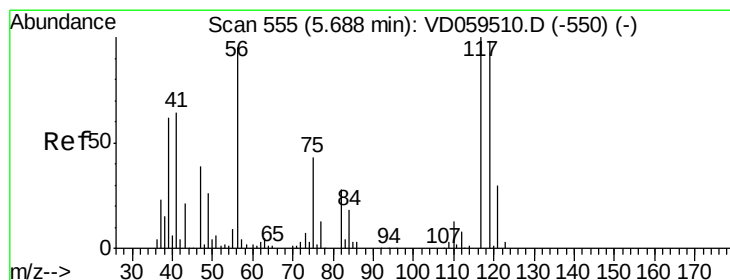
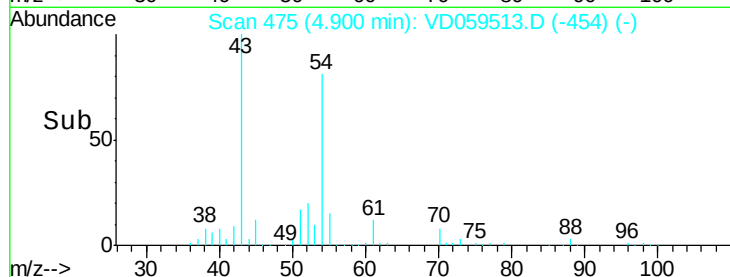
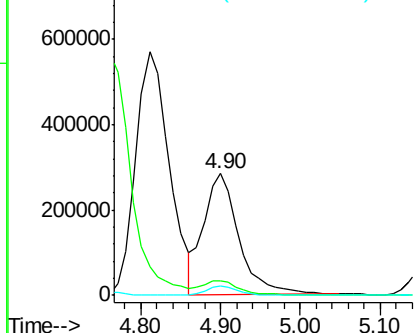
#37
Ethyl Acetate
 Concen: 167.599 ug/l
 RT: 4.90 min Scan# 475
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 868189
 Ion Ratio Lower Upper
 43 100
 61 11.9 11.5 17.3
 70 7.9 6.8 10.2

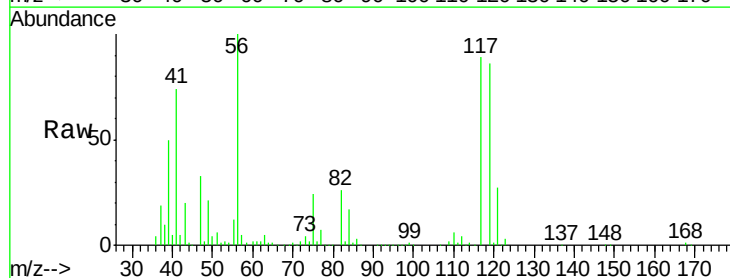


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

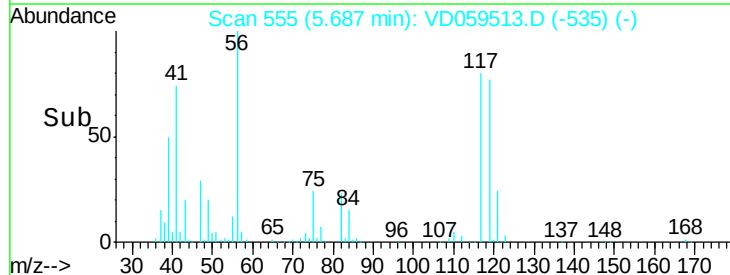
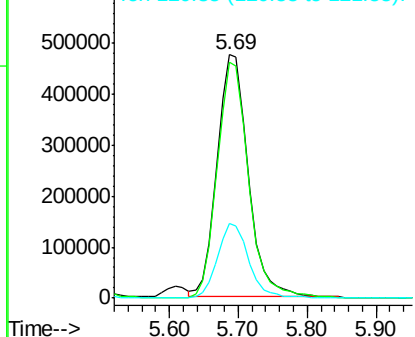


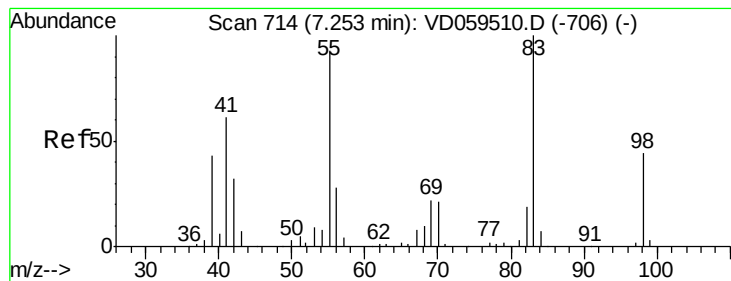
#38
Carbon Tetrachloride
 Concen: 166.603 ug/l
 RT: 5.69 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 117 Resp: 1491548
 Ion Ratio Lower Upper
 117 100
 119 96.8 76.4 114.6
 121 30.5 23.9 35.9



Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 155.271 ug/l

RT: 7.25 min Scan# 714

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

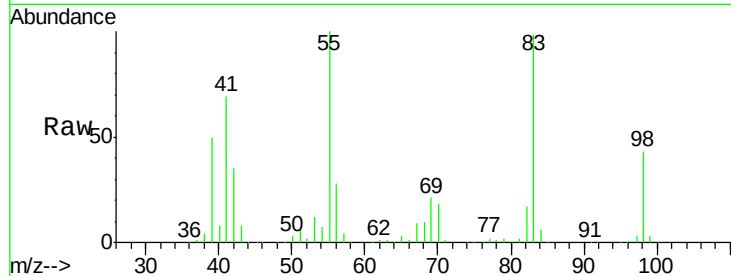
Tgt Ion: 83 Resp: 1284546

Ion Ratio Lower Upper

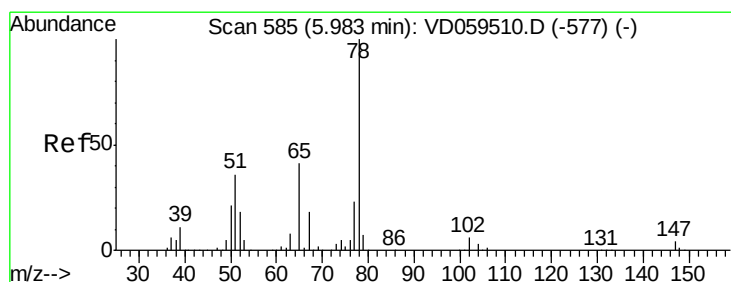
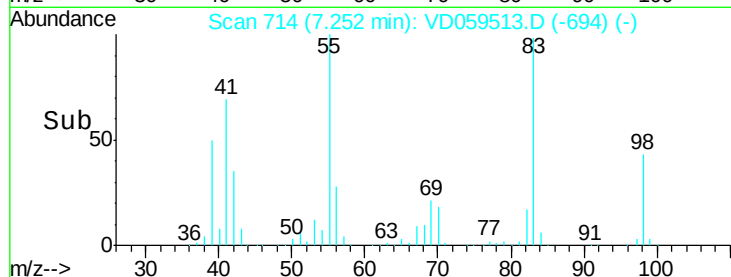
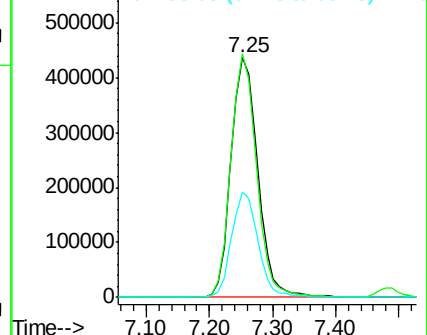
83 100

55 101.7 74.2 111.4

98 44.1 35.5 53.3



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



#40

Benzene

Concen: 137.812 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059513.D

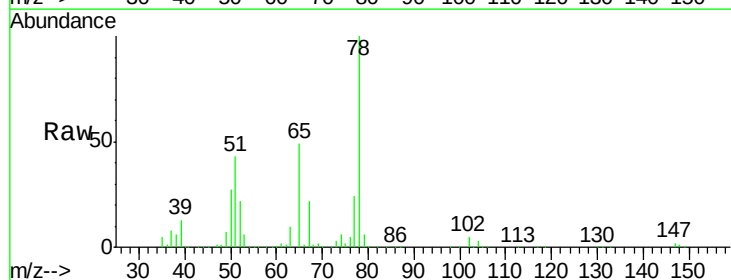
Acq: 2 Jul 2018 19:58

Tgt Ion: 78 Resp: 2876067

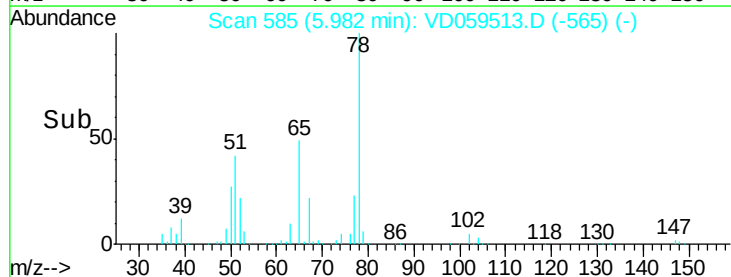
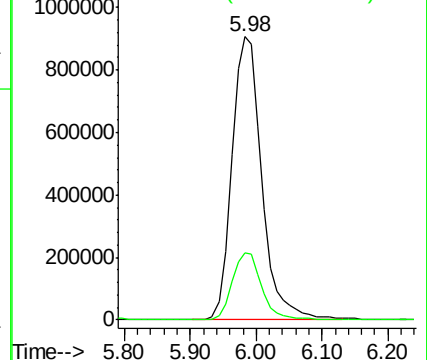
Ion Ratio Lower Upper

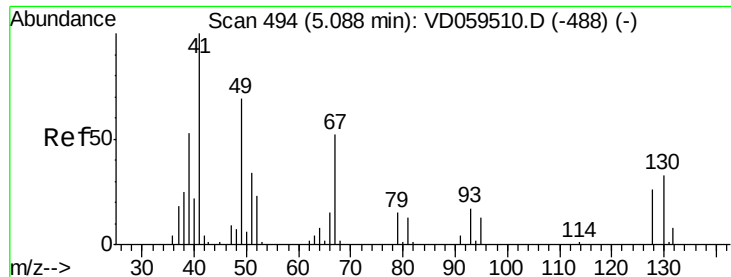
78 100

77 23.5 18.6 27.8



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

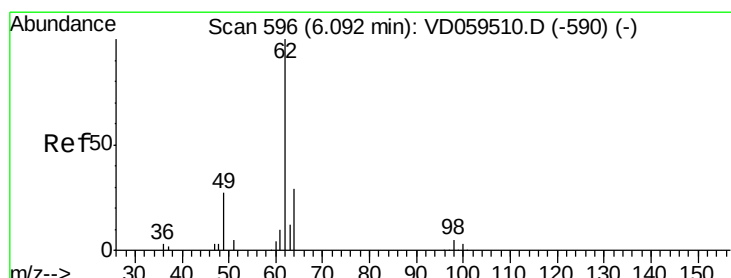
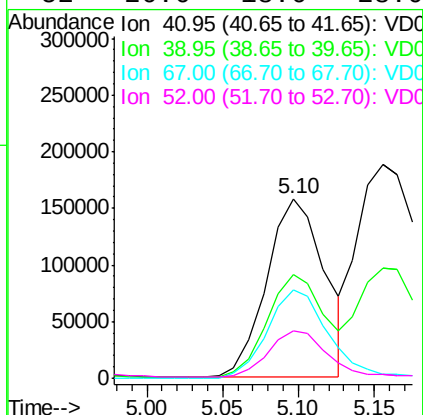
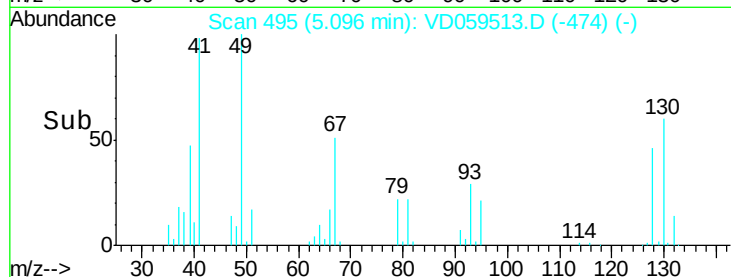
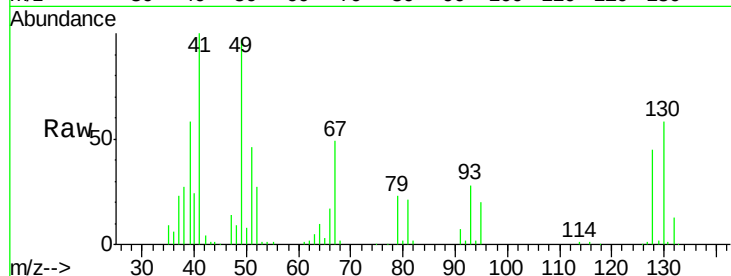




#41
Methacrylonitrile
Concen: 166.867 ug/l
RT: 5.10 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

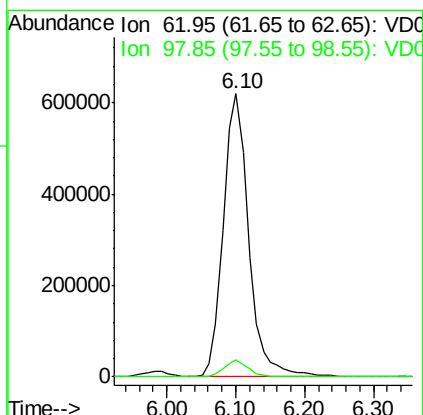
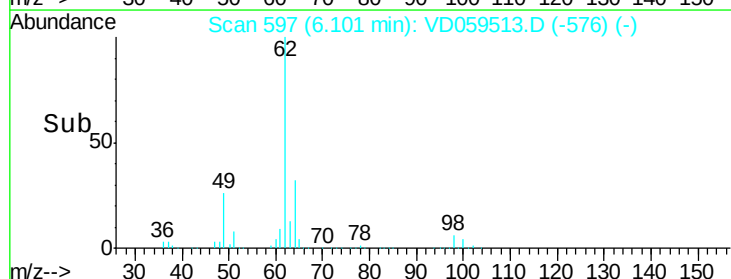
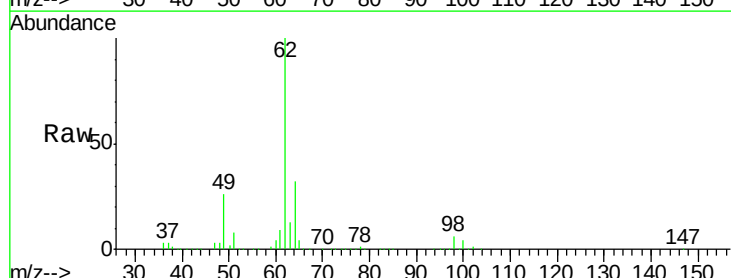
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

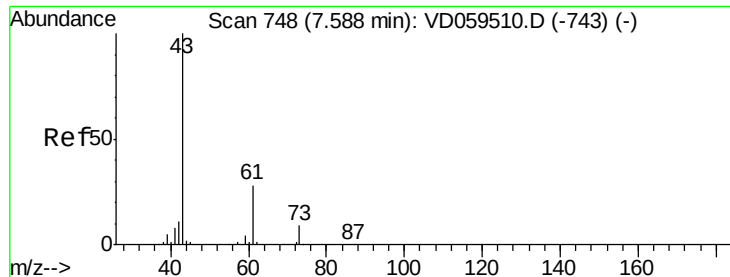
Tgt Ion:	41	Resp:	420675
Ion	Ratio	Lower	Upper
41	100		
39	58.1	43.0	64.4
67	49.1	41.4	62.2
52	26.6	18.6	28.0



#42
1,2-Dichloroethane
Concen: 172.162 ug/l
RT: 6.10 min Scan# 597
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion:	62	Resp:	1576434
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	10.0





#43

Isopropyl Acetate

Concen: 182.346 ug/l

RT: 7.60 min Scan# 749

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

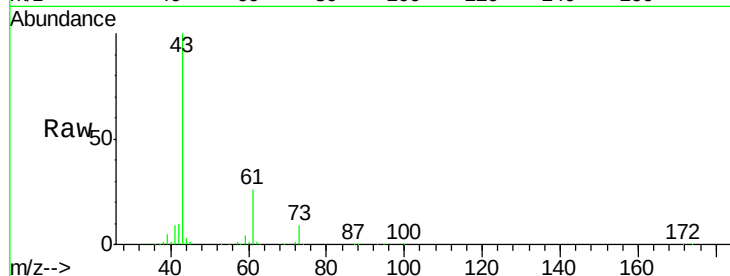
Tgt Ion: 43 Resp: 1202213

Ion Ratio Lower Upper

43 100

61 26.0 22.3 33.5

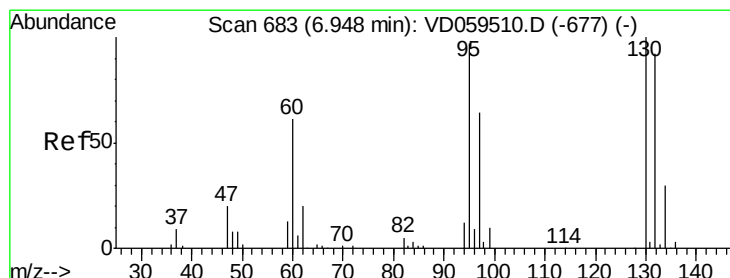
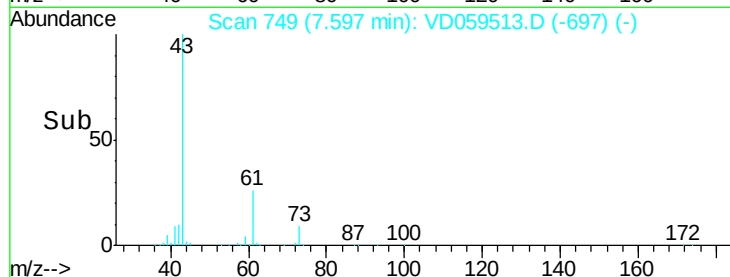
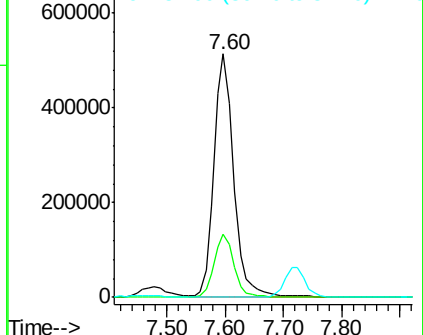
87 0.4 0.4 0.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 146.511 ug/l

RT: 6.96 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD059513.D

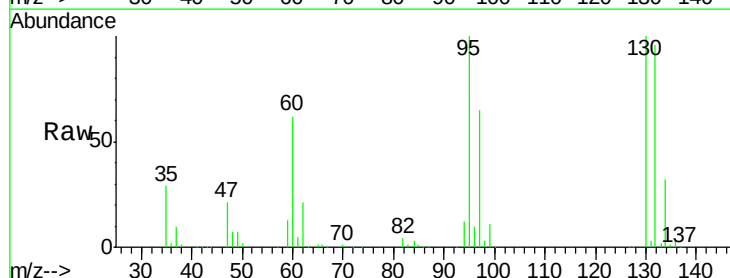
Acq: 2 Jul 2018 19:58

Tgt Ion:130 Resp: 991540

Ion Ratio Lower Upper

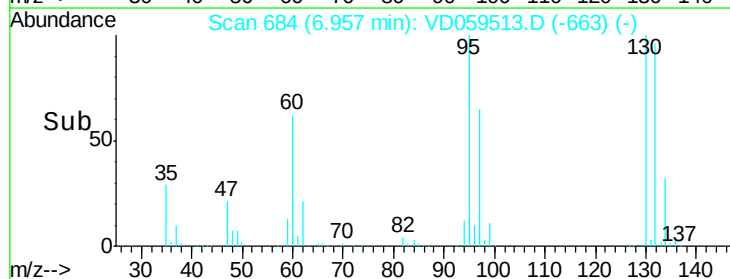
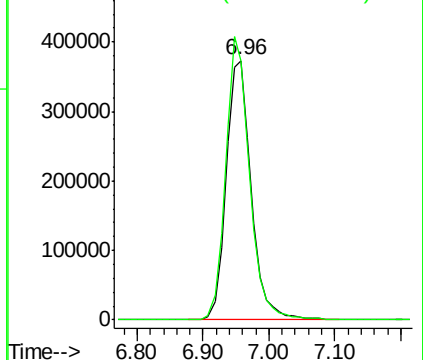
130 100

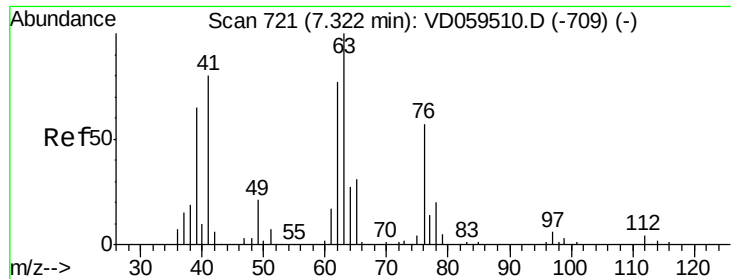
95 100.1 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

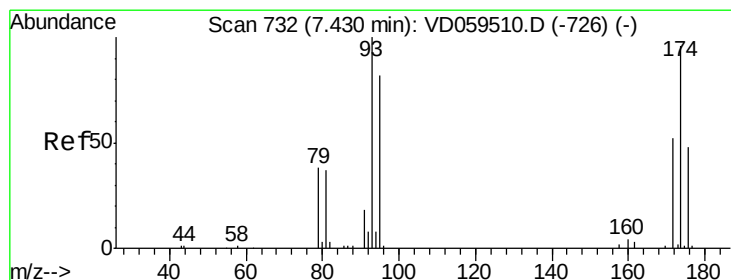
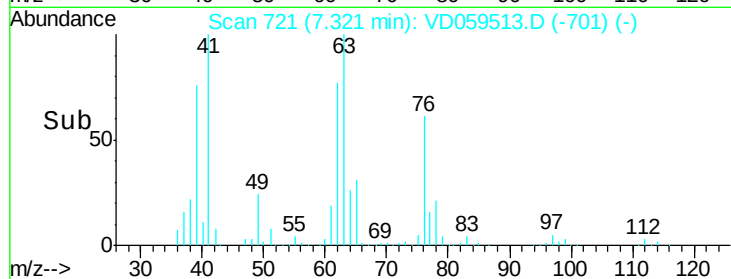
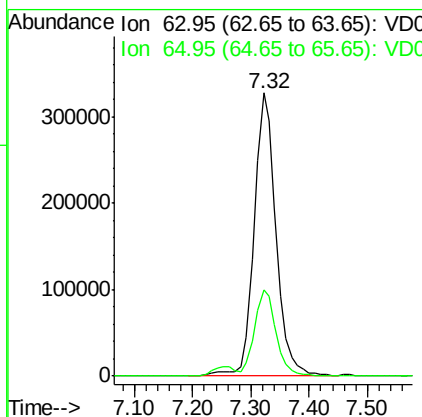
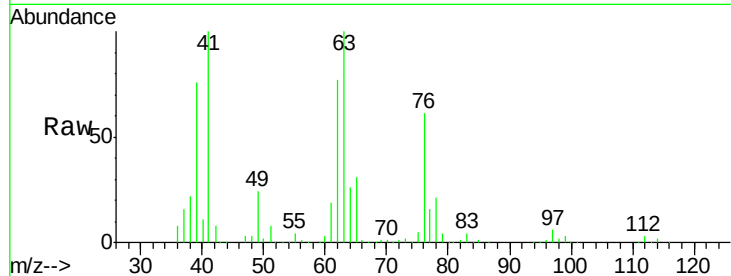




#45
 1,2-Dichloropropane
 Concen: 151.141 ug/l
 RT: 7.32 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

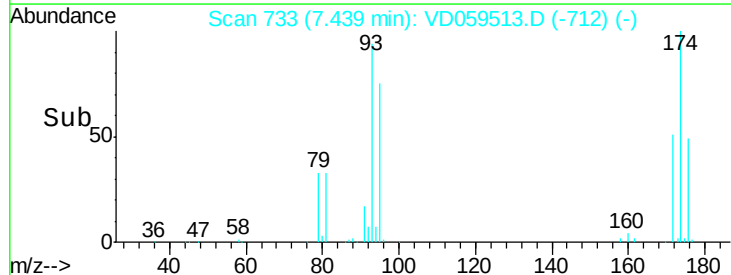
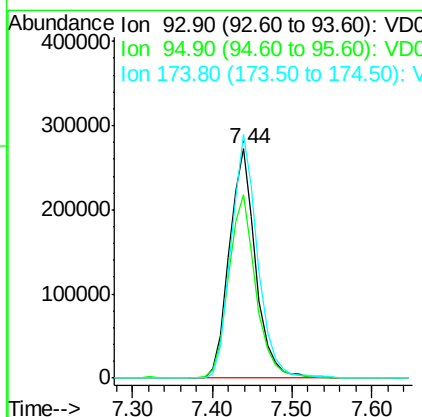
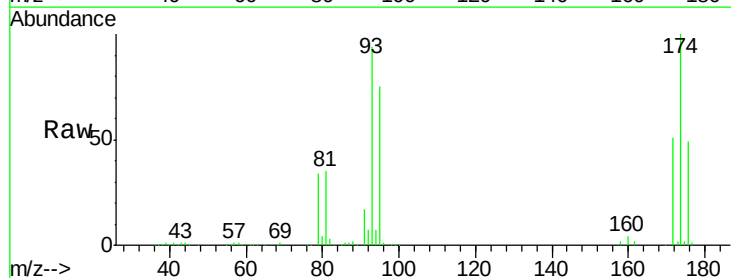
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

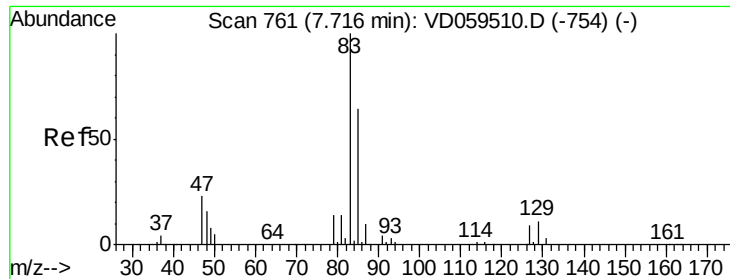
Tgt Ion: 63 Resp: 869011
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#46
 Dibromomethane
 Concen: 155.141 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 93 Resp: 631667
 Ion Ratio Lower Upper
 93 100
 95 79.9 65.7 98.5
 174 106.1 77.2 115.8





#47

Bromodichloromethane

Concen: 165.662 ug/l

RT: 7.72 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

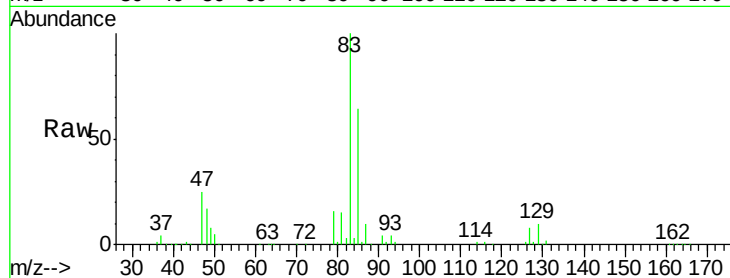
Tgt Ion: 83 Resp: 1518114

Ion Ratio Lower Upper

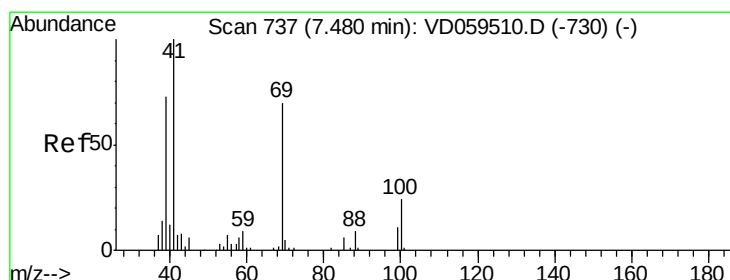
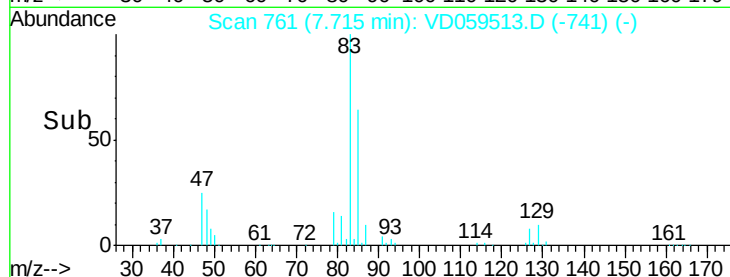
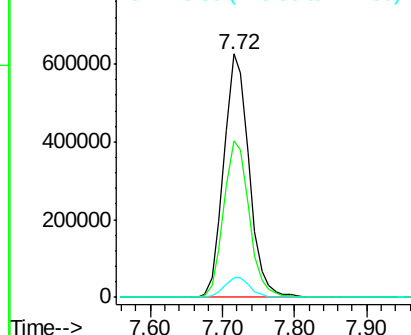
83 100

85 64.4 51.0 76.4

127 7.9 7.0 10.6



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



#48

Methyl methacrylate

Concen: 181.446 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

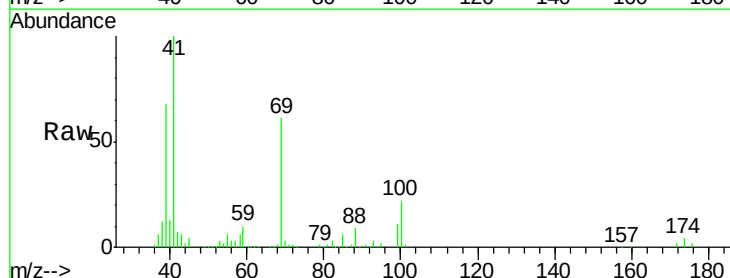
Tgt Ion: 41 Resp: 735324

Ion Ratio Lower Upper

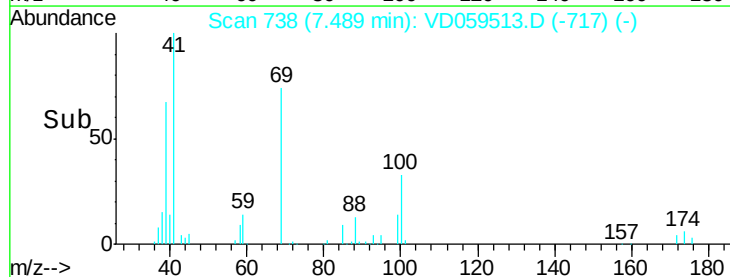
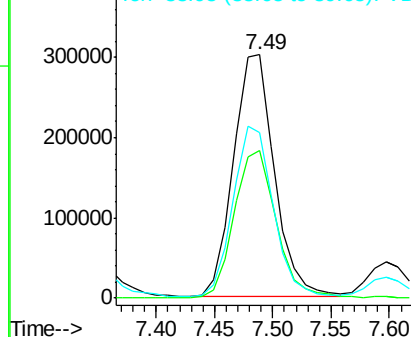
41 100

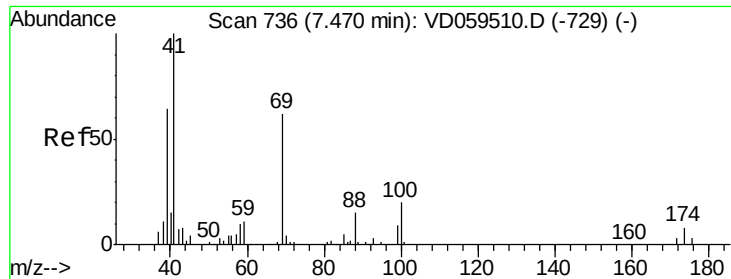
69 60.8 55.8 83.8

39 68.2 58.7 88.1



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





#49

1,4-Dioxane

Concen: 3217.617 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

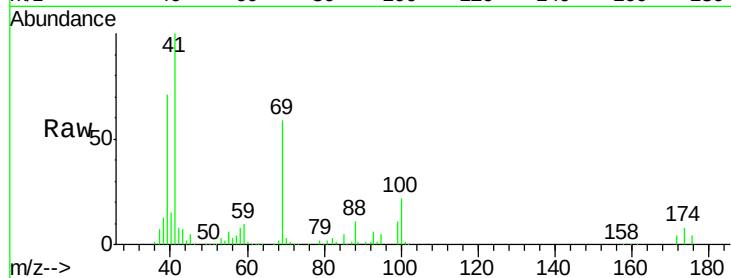
Tgt Ion: 88 Resp: 129697

Ion Ratio Lower Upper

88 100

43 68.8 41.4 62.0#

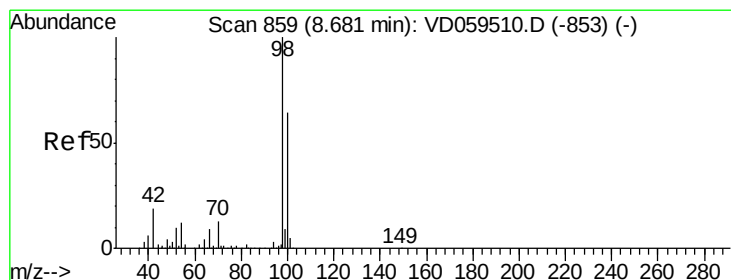
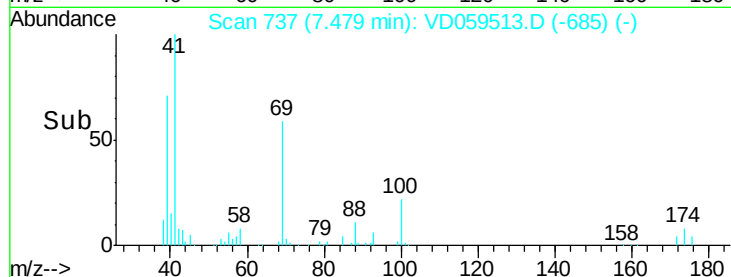
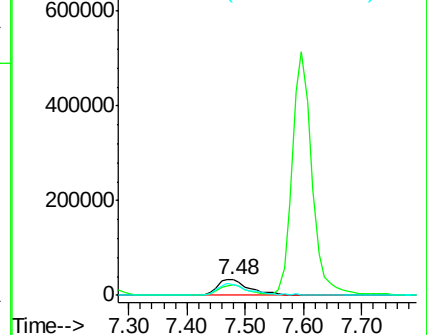
58 69.9 49.4 74.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 3217.617 ug/l

RT: 8.69 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD059513.D

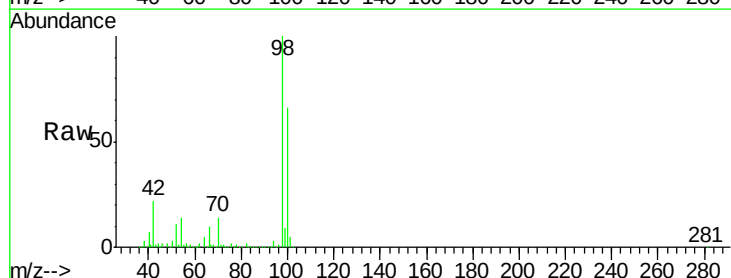
Acq: 2 Jul 2018 19:58

Tgt Ion: 98 Resp: 2487367

Ion Ratio Lower Upper

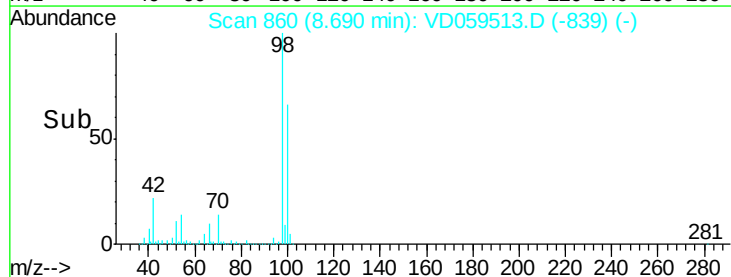
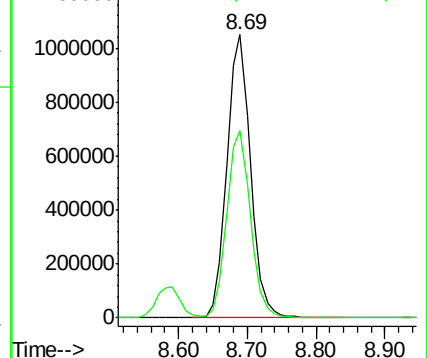
98 100

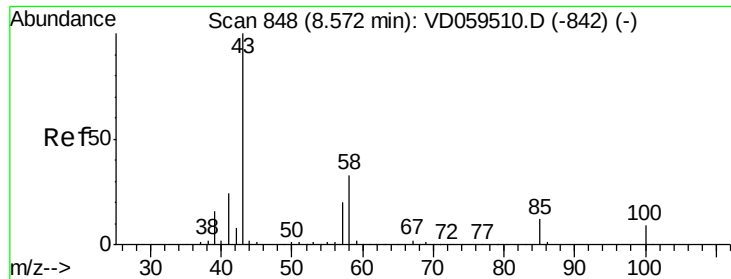
100 66.2 51.8 77.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 758.899 ug/l

RT: 8.58 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

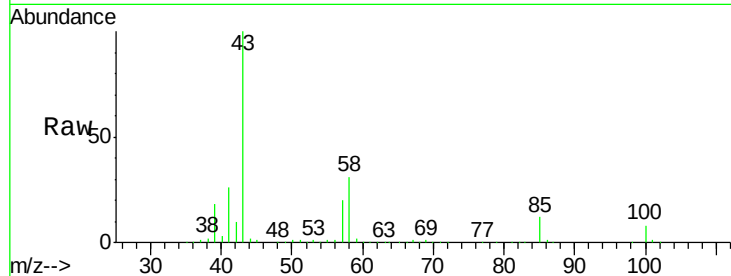
VSTDIC150

Tgt Ion: 43 Resp: 3318573

Ion Ratio Lower Upper

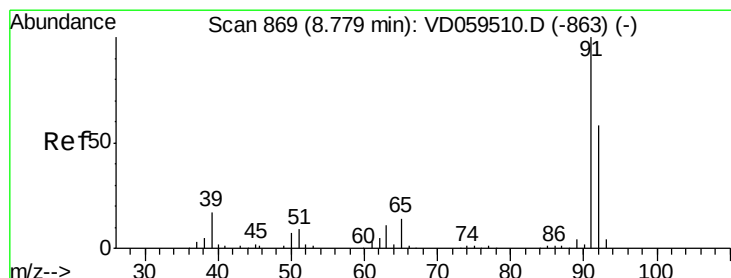
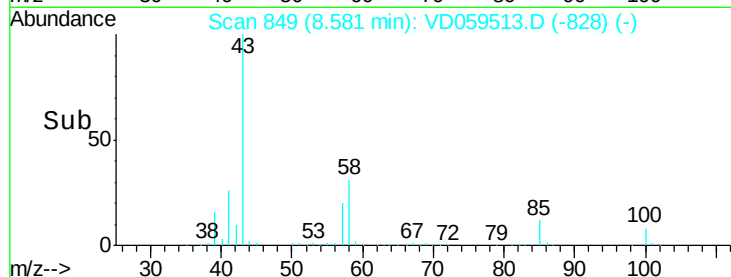
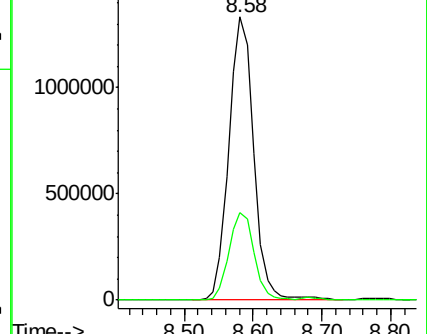
43 100

58 31.1 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 138.775 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059513.D

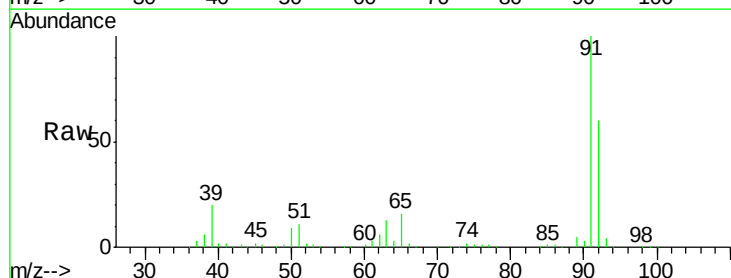
Acq: 2 Jul 2018 19:58

Tgt Ion: 92 Resp: 1707332

Ion Ratio Lower Upper

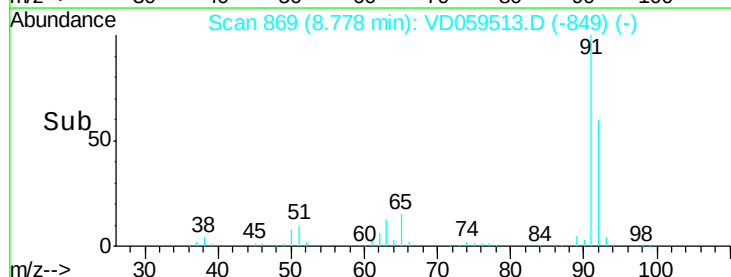
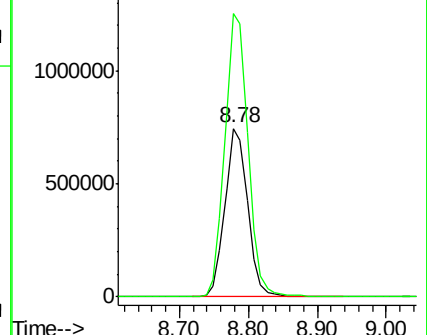
92 100

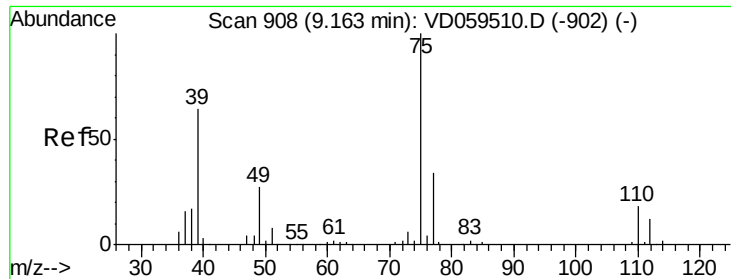
91 168.0 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

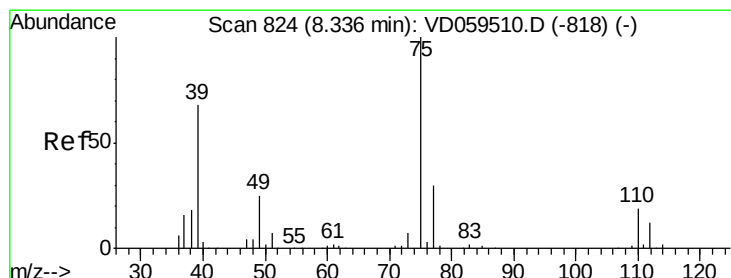
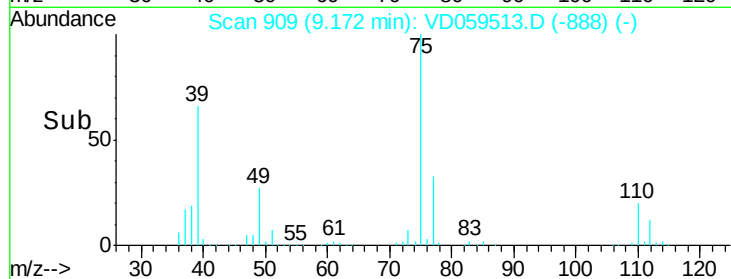
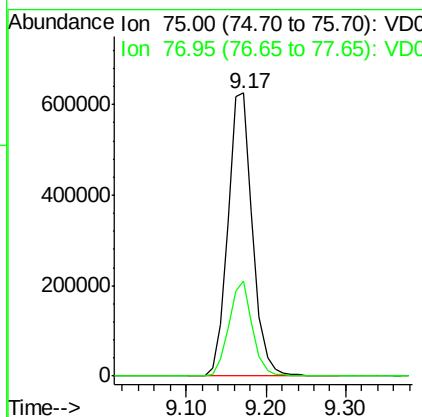
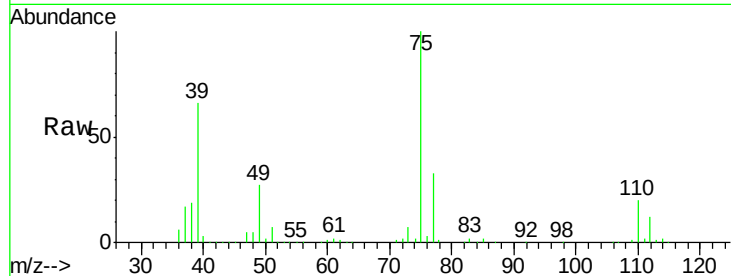




#53
 t-1,3-Dichloropropene
 Concen: 172.815 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

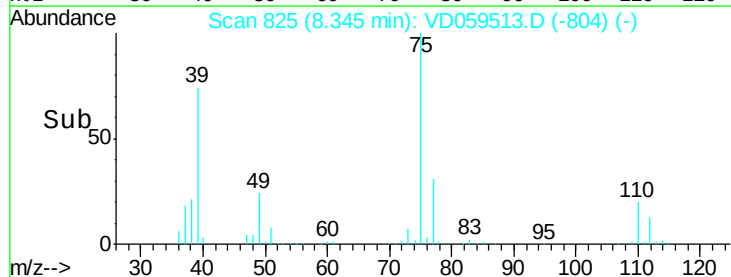
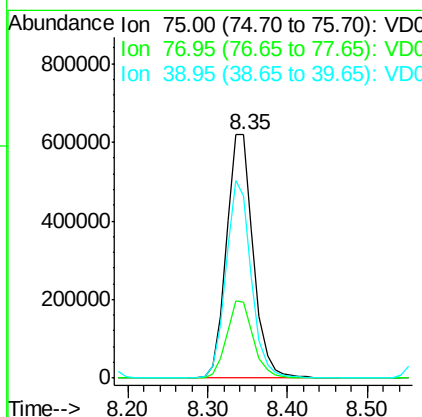
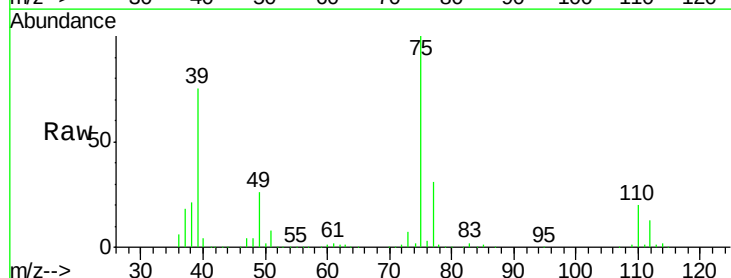
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

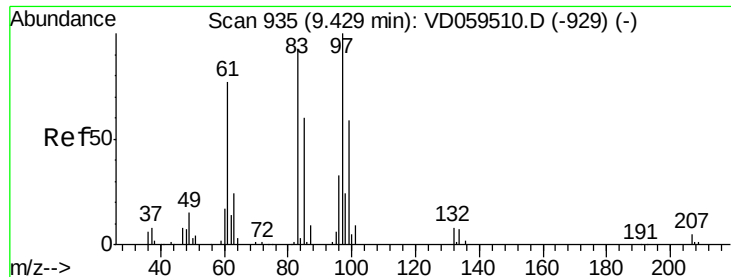
Tgt Ion: 75 Resp: 1349738
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 161.811 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 75 Resp: 1464505
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.4 36.6
 39 74.6 54.7 82.1

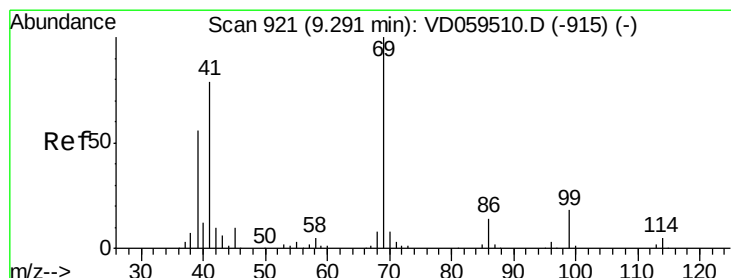
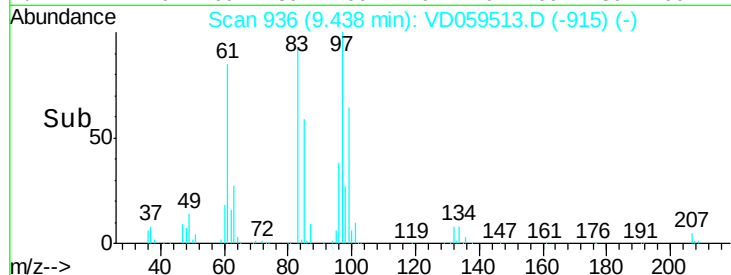
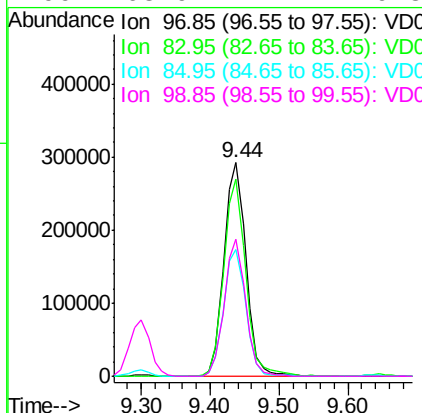
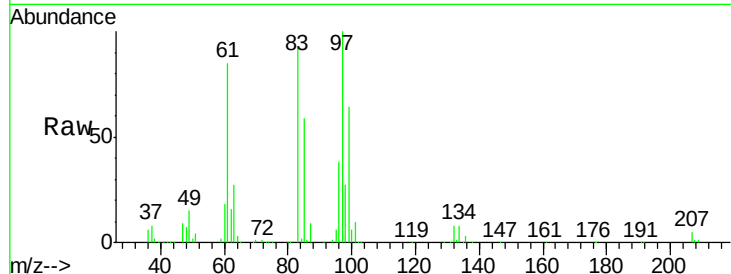




#55
 1,1,2-Trichloroethane
 Concen: 146.605 ug/l
 RT: 9.44 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

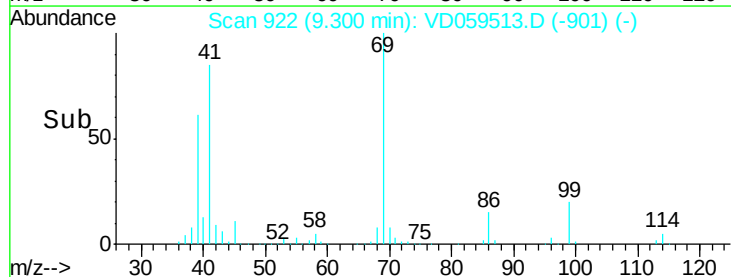
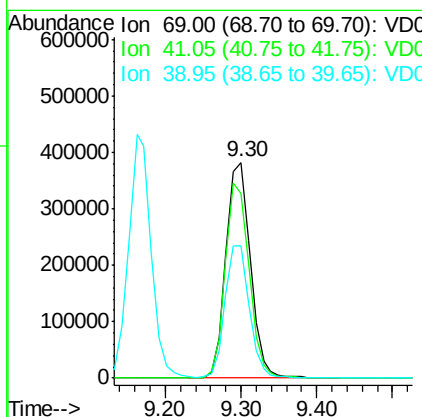
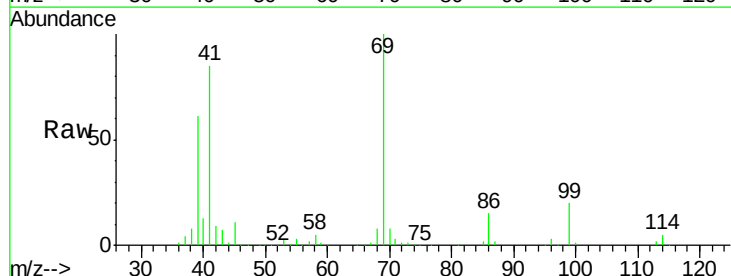
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

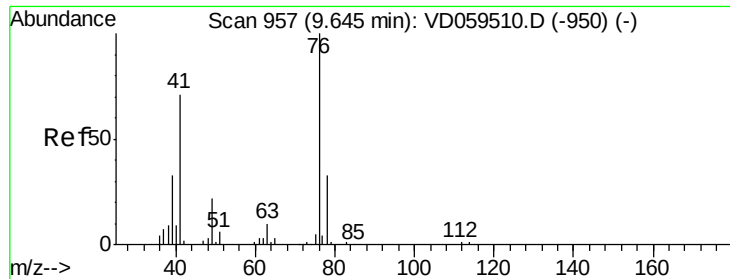
Tgt Ion: 97 Resp: 646489
 Ion Ratio Lower Upper
 97 100
 83 92.0 74.3 111.5
 85 59.1 48.1 72.1
 99 63.9 47.2 70.8



#56
 Ethyl methacrylate
 Concen: 167.412 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 69 Resp: 858152
 Ion Ratio Lower Upper
 69 100
 41 85.4 63.4 95.0
 39 60.9 45.0 67.6





#57

1,3-Dichloropropane

Concen: 163.788 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

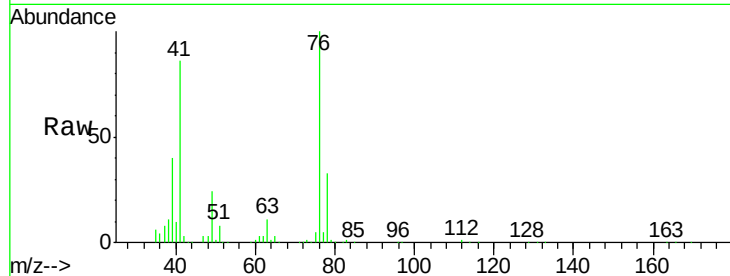
VSTDIC150

Tgt Ion: 76 Resp: 1202800

Ion Ratio Lower Upper

76 100

78 33.0 26.5 39.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

600000

500000

400000

300000

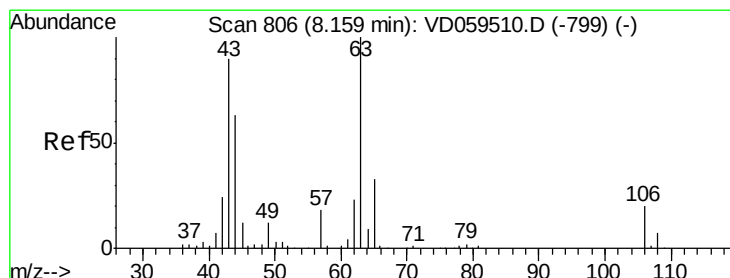
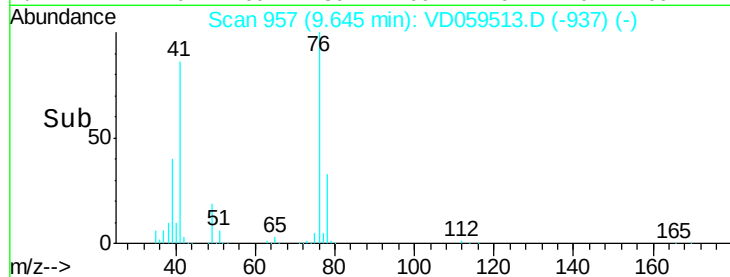
200000

100000

0

9.50 9.60 9.70 9.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 681.369 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059513.D

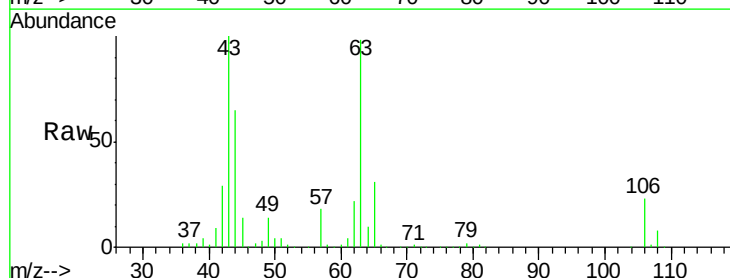
Acq: 2 Jul 2018 19:58

Tgt Ion: 63 Resp: 1795610

Ion Ratio Lower Upper

63 100

106 23.3 16.4 24.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

800000

600000

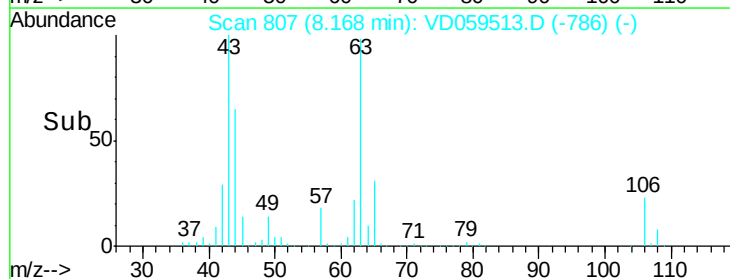
400000

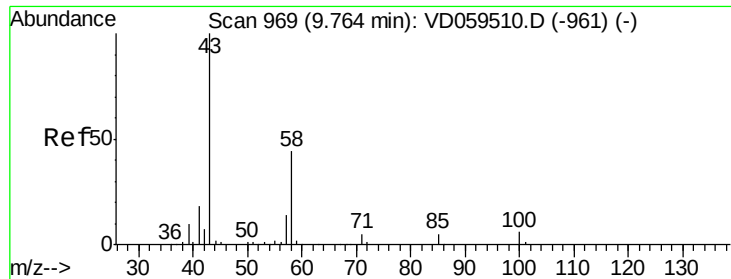
200000

0

8.00 8.10 8.20 8.30

Time-->

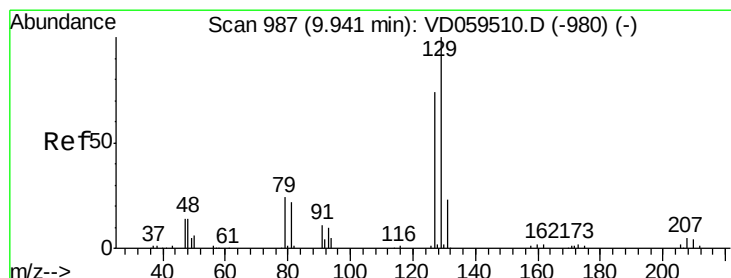
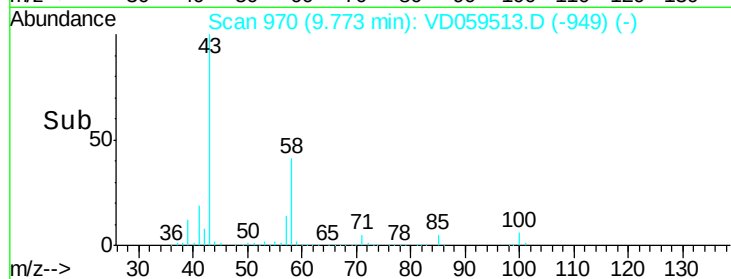
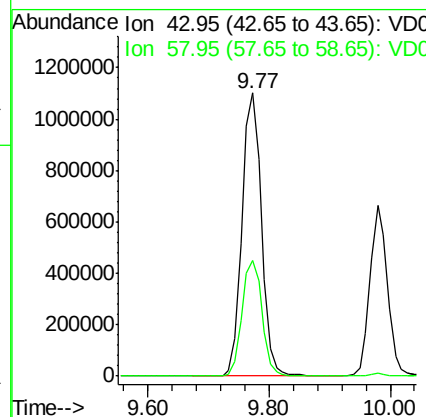
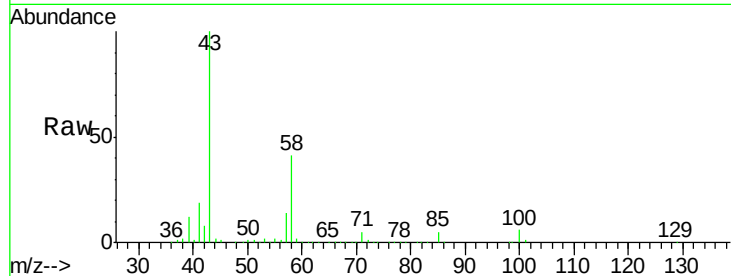




#59
 2-Hexanone
 Concen: 796.824 ug/l
 RT: 9.77 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

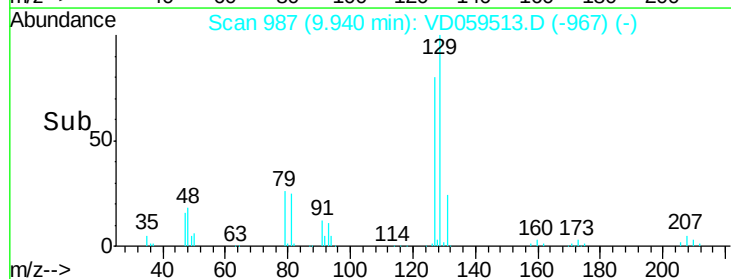
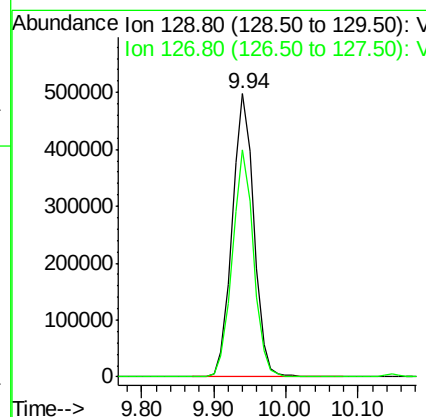
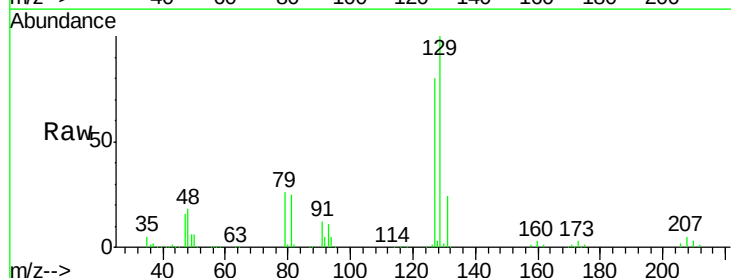
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

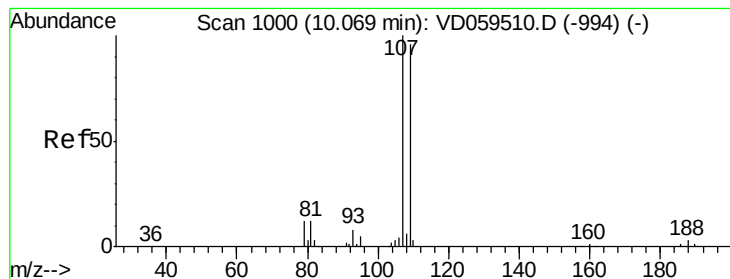
Tgt Ion: 43 Resp: 2466475
 Ion Ratio Lower Upper
 43 100
 58 41.0 22.0 66.0



#60
 Dibromochloromethane
 Concen: 167.174 ug/l
 RT: 9.94 min Scan# 987
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 129 Resp: 1040858
 Ion Ratio Lower Upper
 129 100
 127 80.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 156.440 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

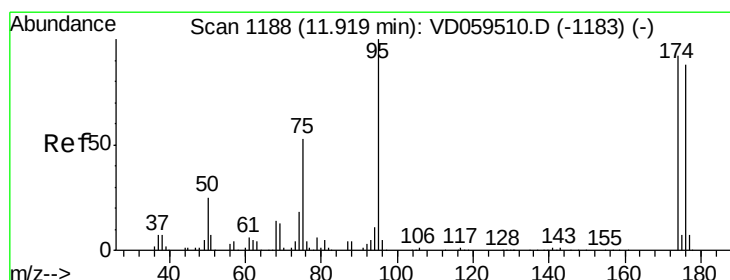
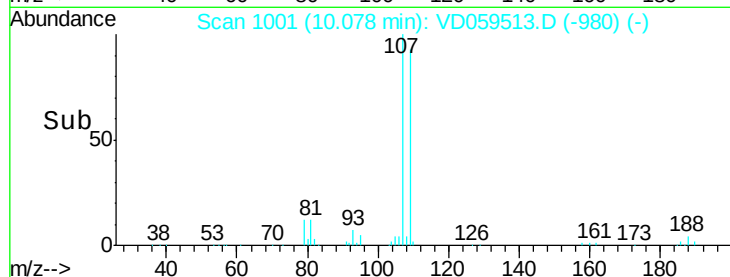
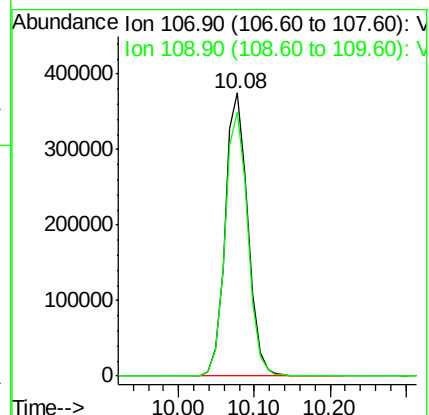
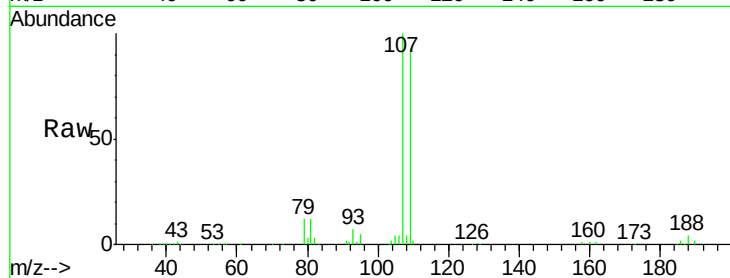
VSTDIC150

Tgt Ion: 107 Resp: 775350

Ion Ratio Lower Upper

107 100

109 93.5 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 156.440 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

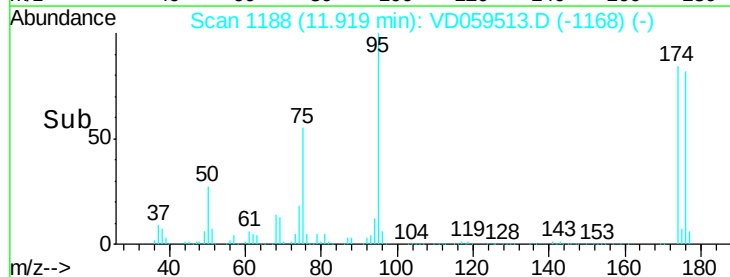
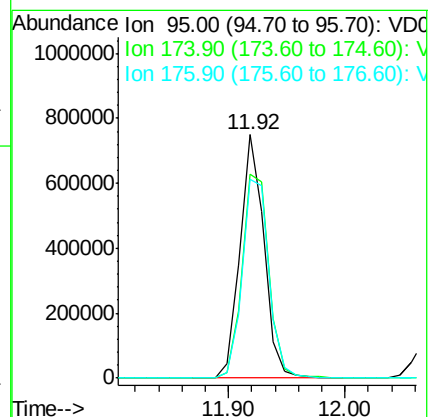
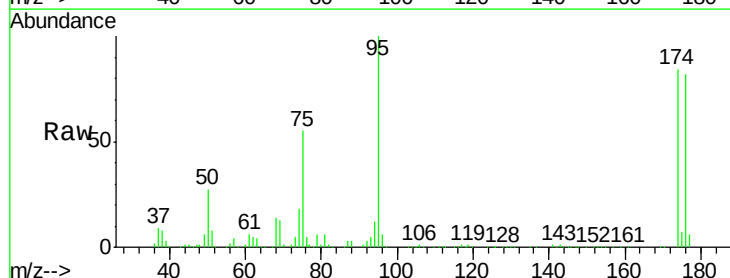
Tgt Ion: 95 Resp: 1066617

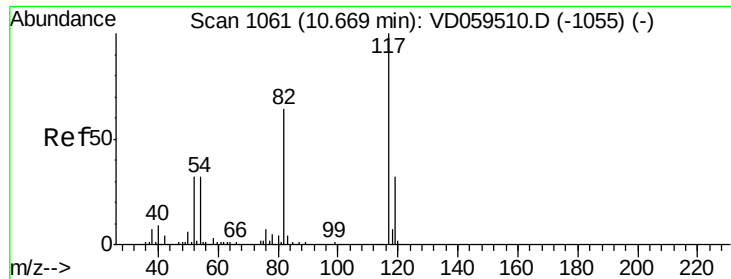
Ion Ratio Lower Upper

95 100

174 83.9 0.0 183.0

176 81.7 0.0 176.6

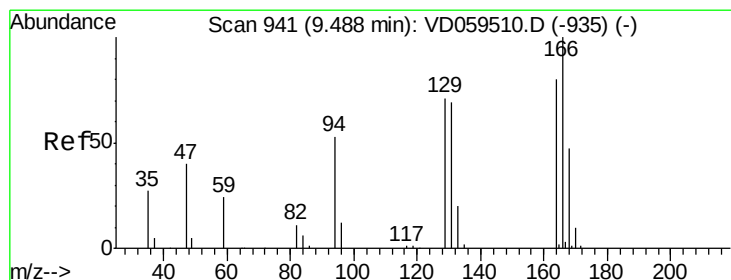
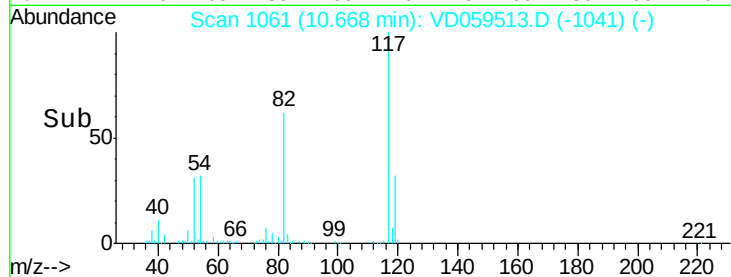
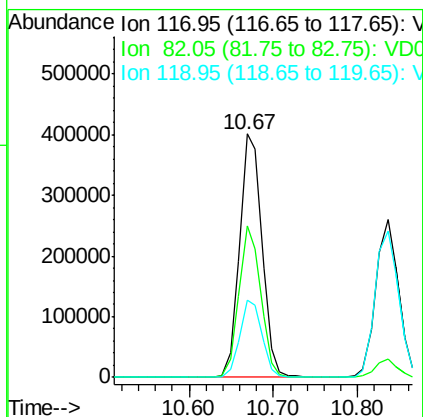
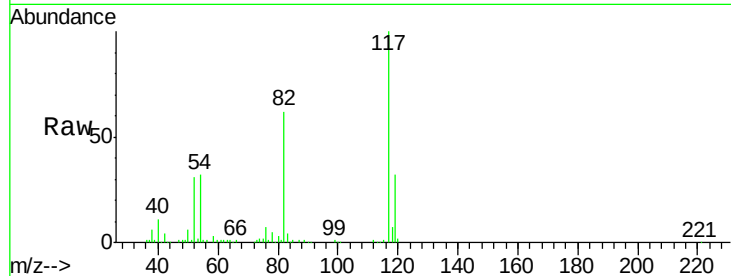




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

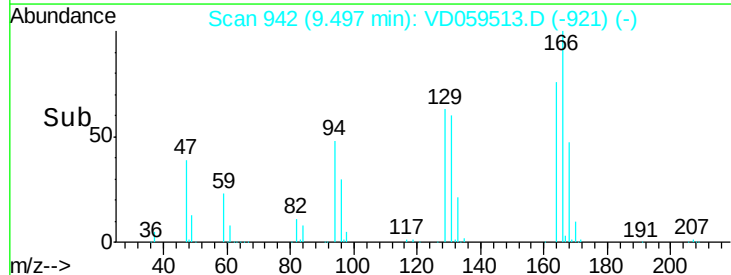
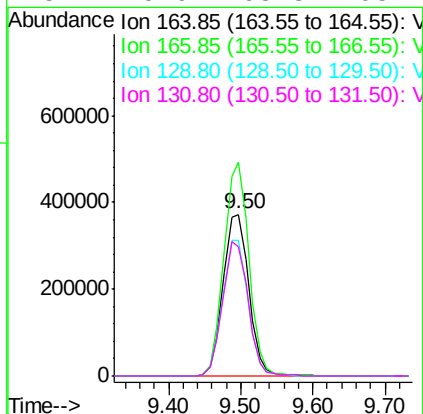
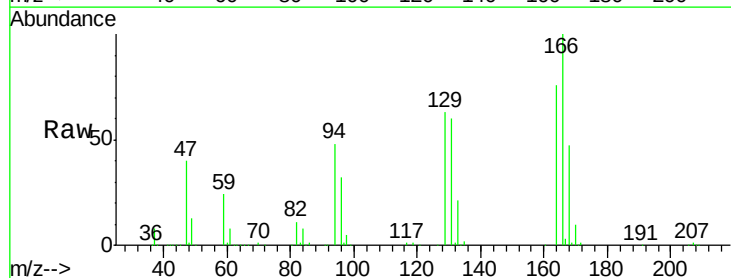
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

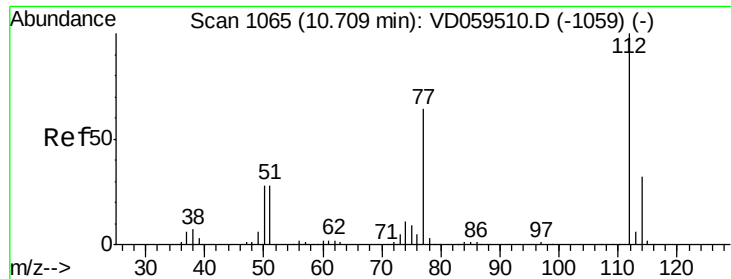
Tgt Ion:117 Resp: 742107
Ion Ratio Lower Upper
117 100
82 62.0 51.1 76.7
119 31.7 25.6 38.4



#64
Tetrachloroethene
Concen: 138.831 ug/l
RT: 9.50 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion:164 Resp: 921119
Ion Ratio Lower Upper
164 100
166 132.2 99.5 149.3
129 83.9 70.9 106.3
131 79.9 68.8 103.2

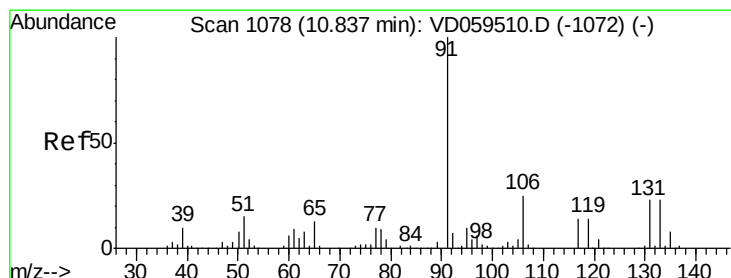
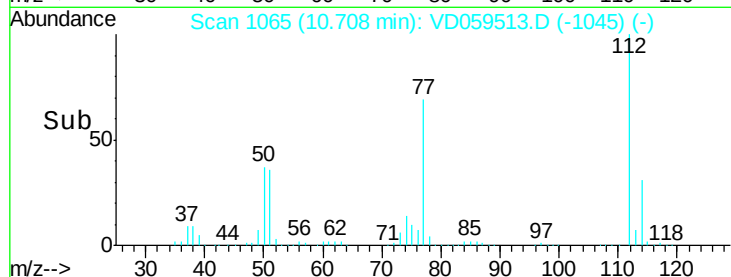
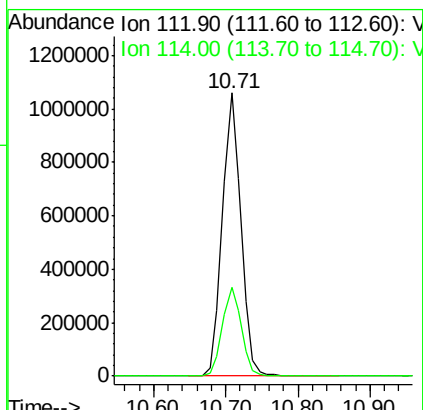
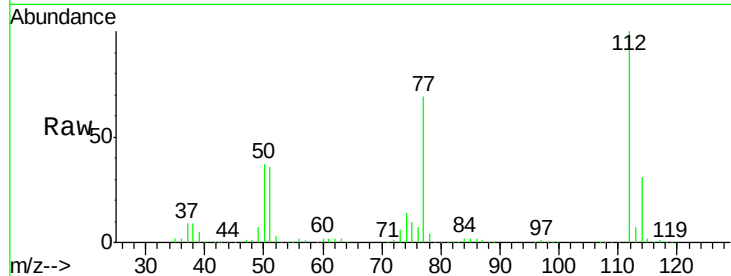




#65
Chlorobenzene
Concen: 135.115 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

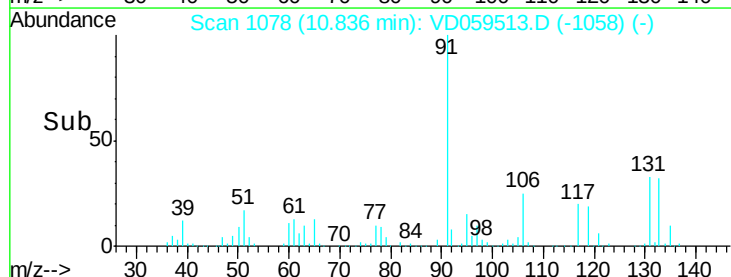
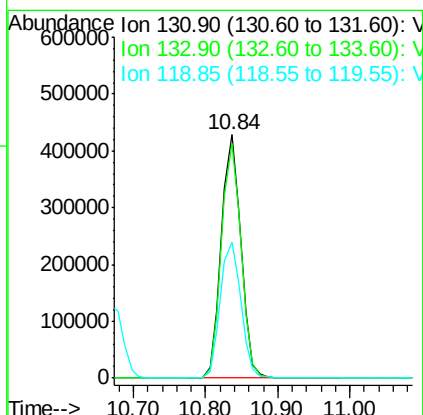
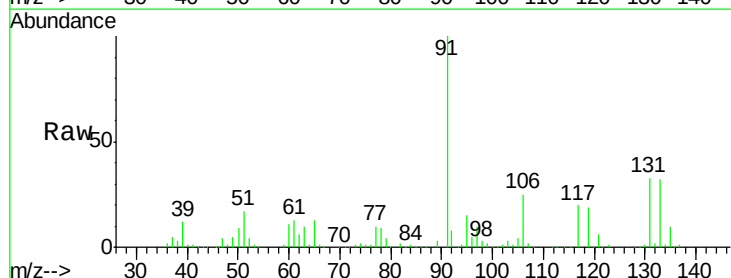
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

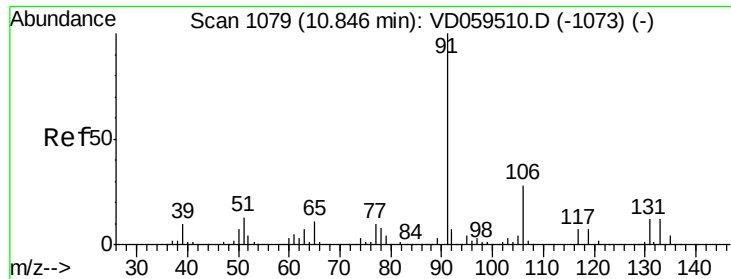
Tgt Ion:112 Resp: 1885288
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 152.358 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion:131 Resp: 803619
Ion Ratio Lower Upper
131 100
133 96.3 48.9 146.6
119 56.1 30.7 92.1

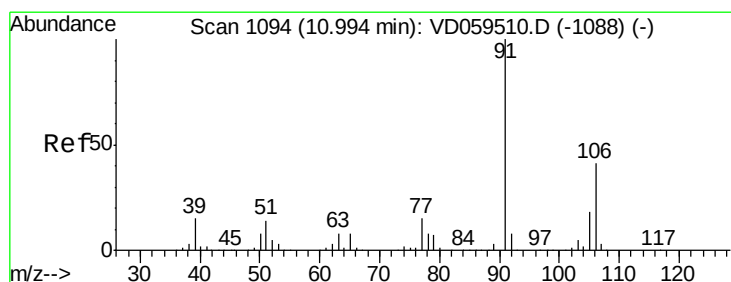
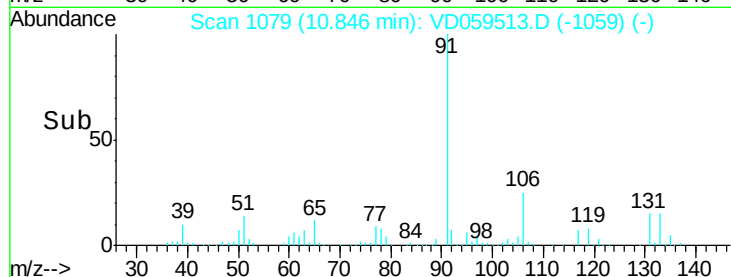
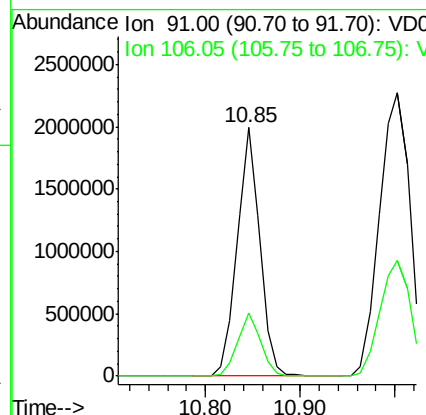
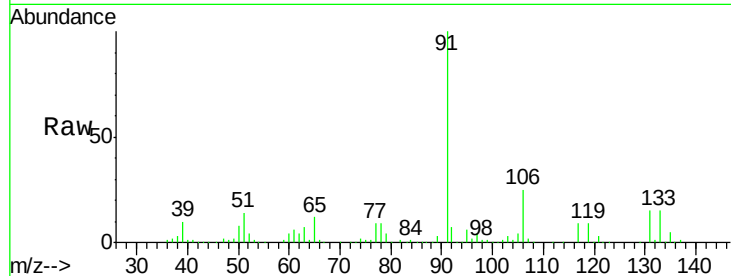




#67
Ethyl Benzene
Concen: 141.026 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

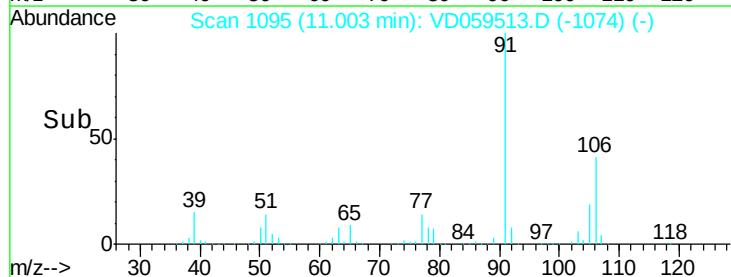
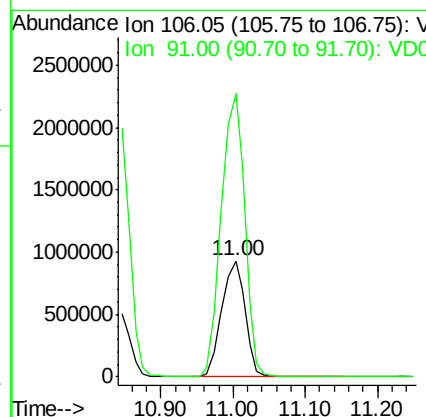
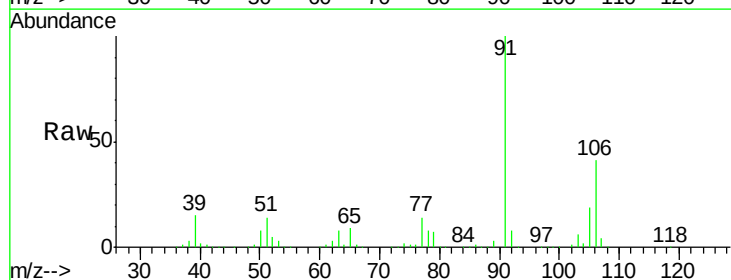
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

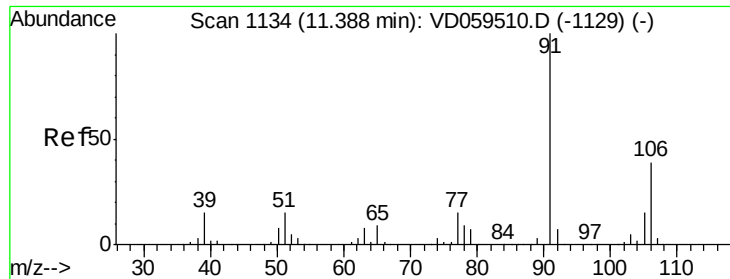
Tgt Ion: 91 Resp: 3300180
Ion Ratio Lower Upper
91 100
106 25.2 22.2 33.2



#68
m/p-Xylenes
Concen: 264.693 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 106 Resp: 2068644
Ion Ratio Lower Upper
106 100
91 243.4 194.1 291.1

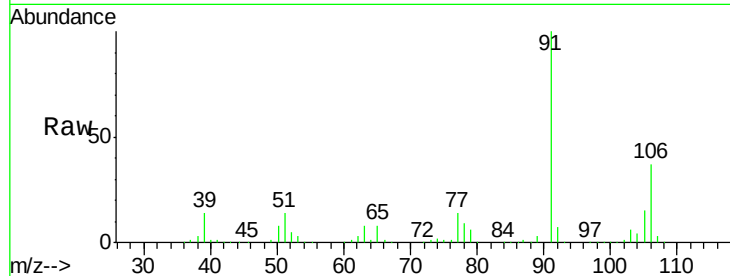




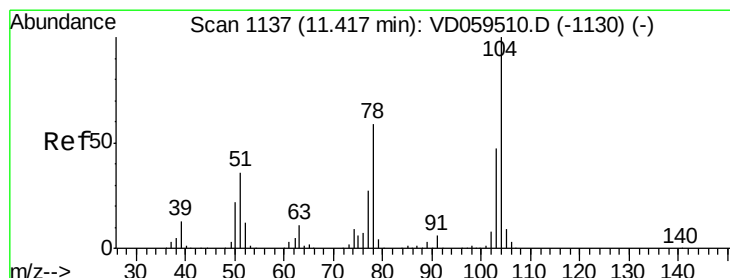
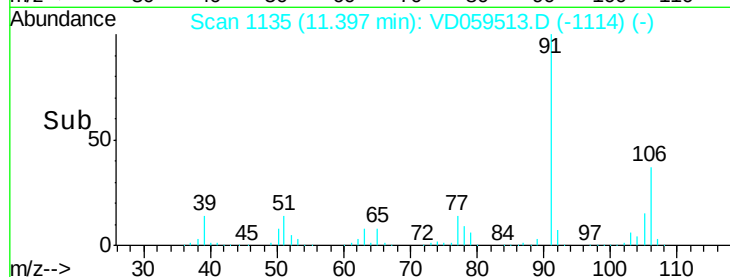
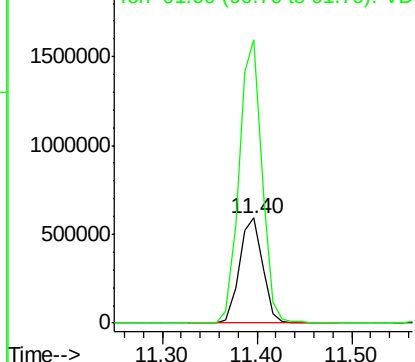
#69
o-Xylene
Concen: 130.459 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1003116
Ion Ratio Lower Upper
106 100
91 269.7 127.0 381.0

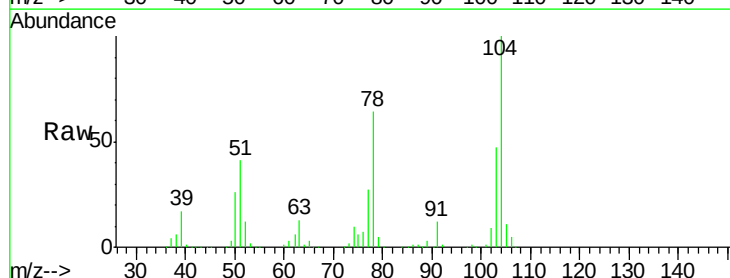


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

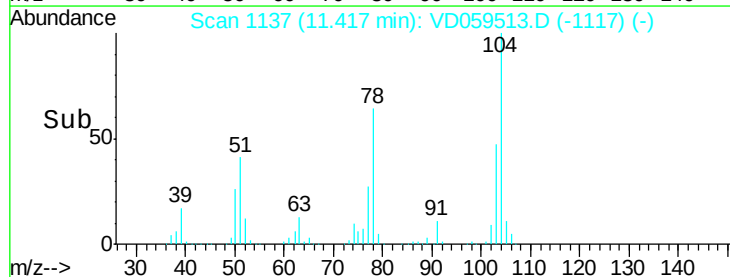
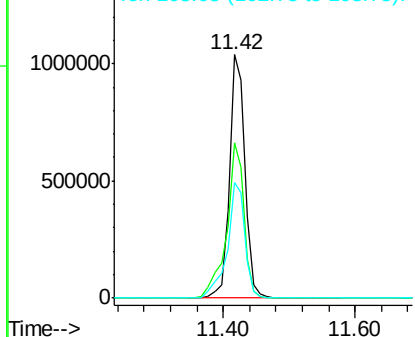


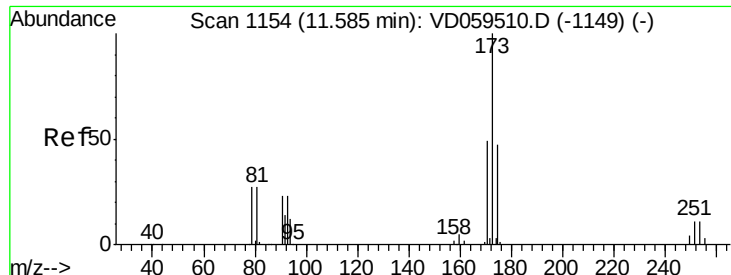
#70
Styrene
Concen: 130.245 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion:104 Resp: 1702089
Ion Ratio Lower Upper
104 100
78 63.6 47.6 71.4
103 47.3 37.6 56.4



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





#71

Bromoform

Concen: 169.936 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

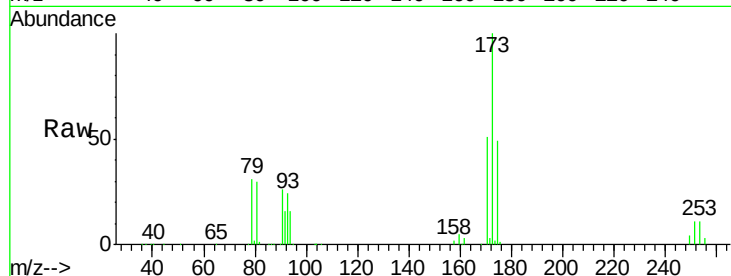
Tgt Ion:173 Resp: 745604

Ion Ratio Lower Upper

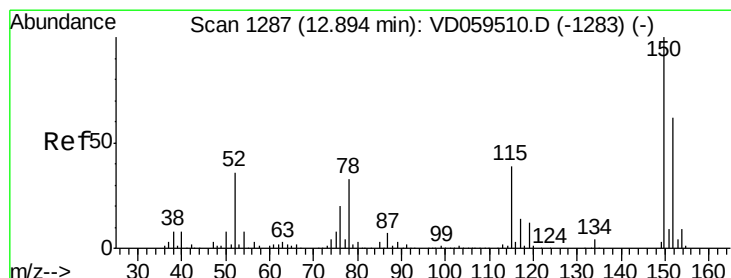
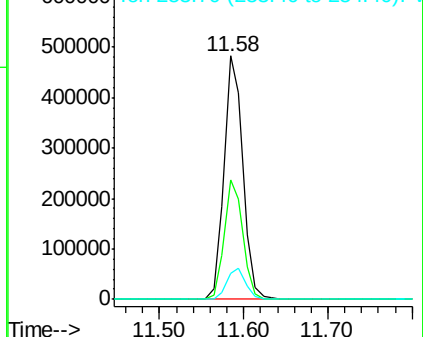
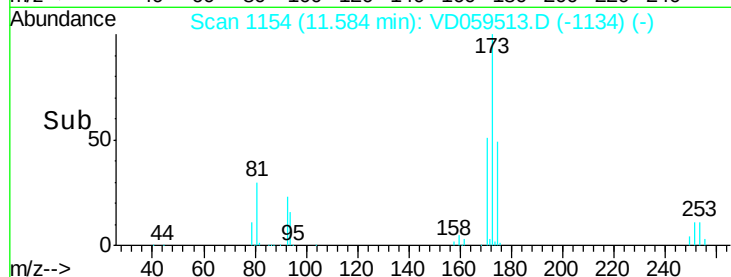
173 100

175 49.2 23.3 69.8

254 10.6 9.0 13.6



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

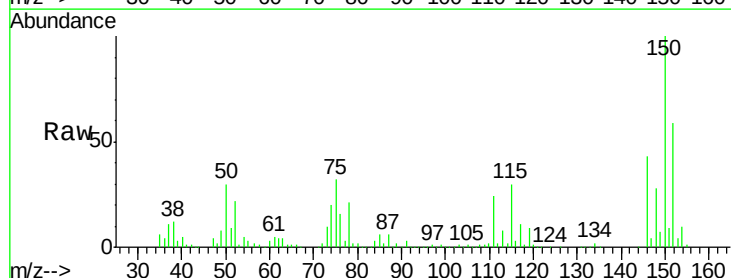
Tgt Ion:152 Resp: 354887

Ion Ratio Lower Upper

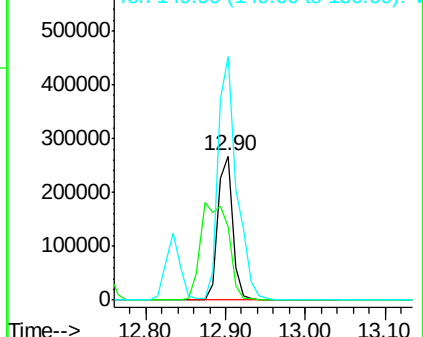
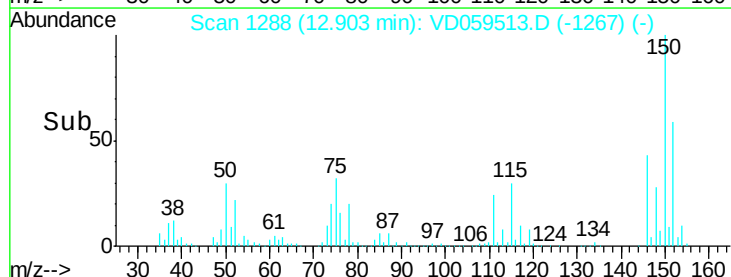
152 100

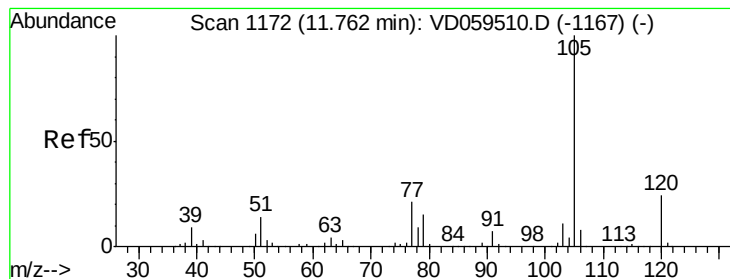
115 50.6 31.3 93.9

150 169.4 0.0 323.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 146.863 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

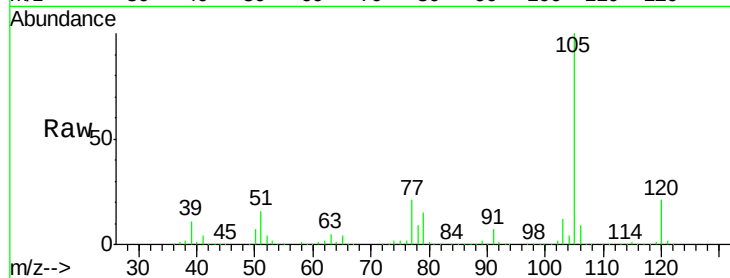
VSTDIC150

Tgt Ion:105 Resp: 3041392

Ion Ratio Lower Upper

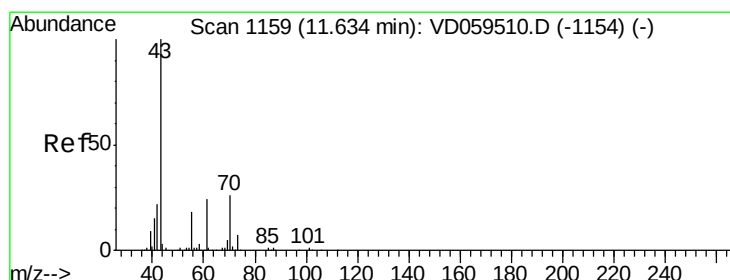
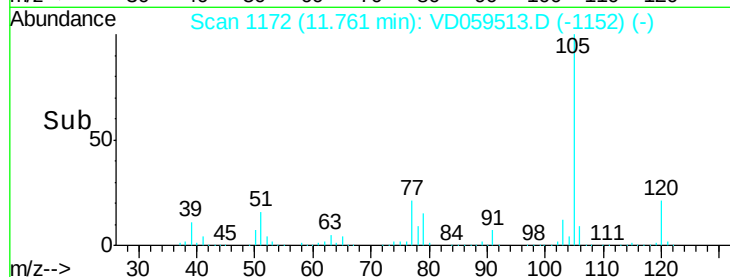
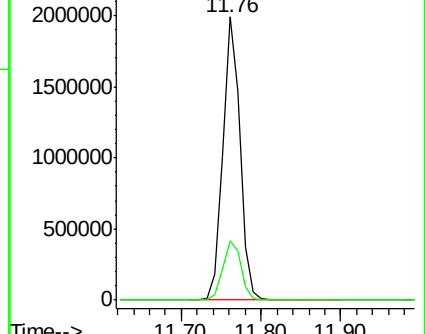
105 100

120 21.2 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 182.473 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Tgt Ion: 43 Resp: 1469058

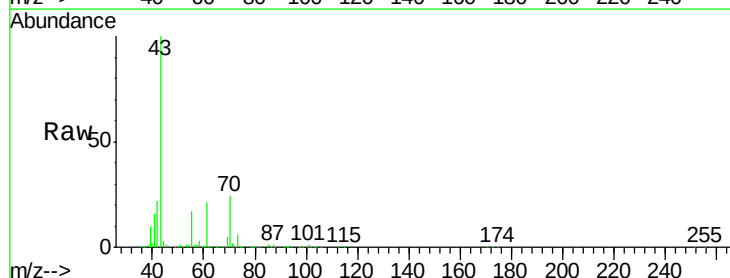
Ion Ratio Lower Upper

43 100

70 24.4 20.6 31.0

55 16.9 14.4 21.6

61 21.0 19.2 28.8

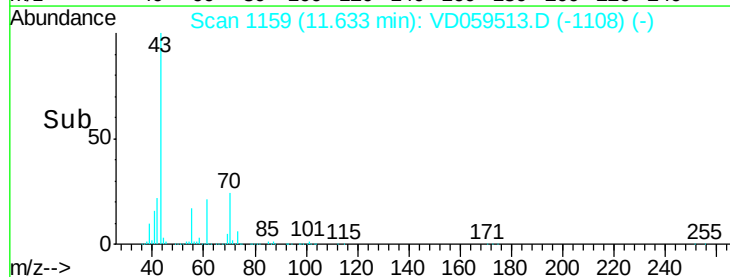
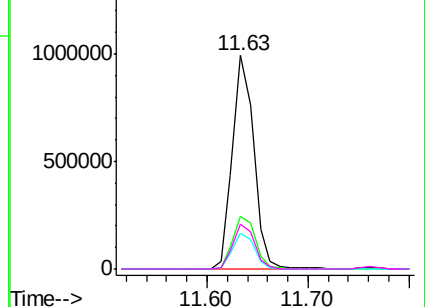


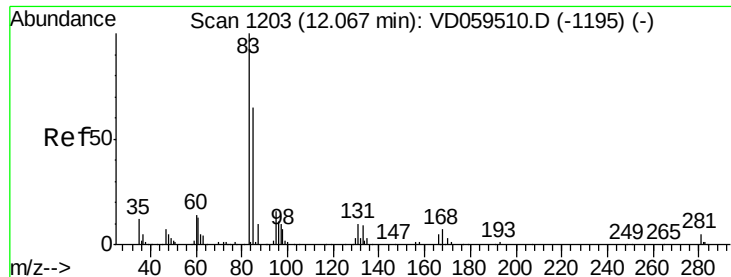
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 161.432 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

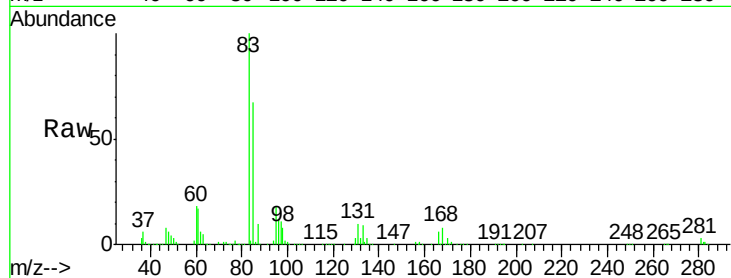
Tgt Ion: 83 Resp: 799555

Ion Ratio Lower Upper

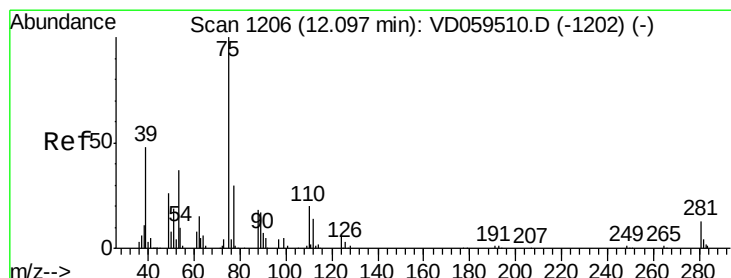
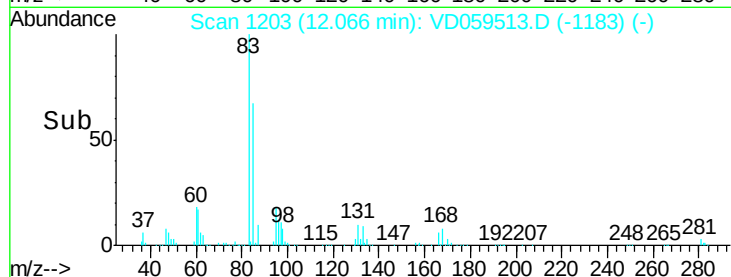
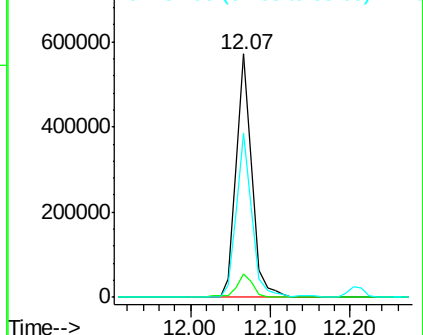
83 100

131 9.6 5.0 15.0

85 67.5 32.3 96.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 163.811 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VD059513.D

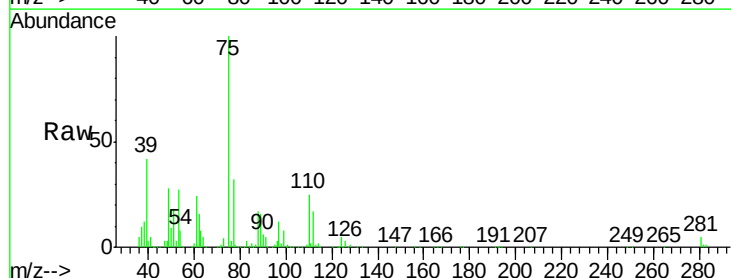
Acq: 2 Jul 2018 19:58

Tgt Ion: 75 Resp: 840854

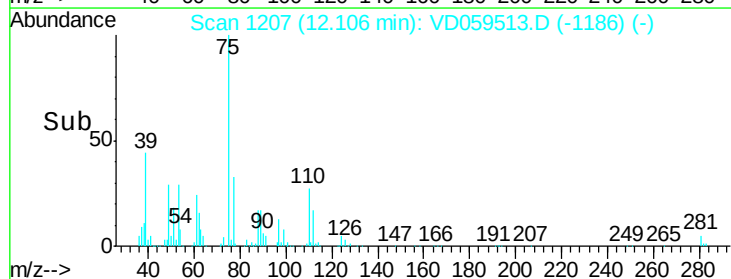
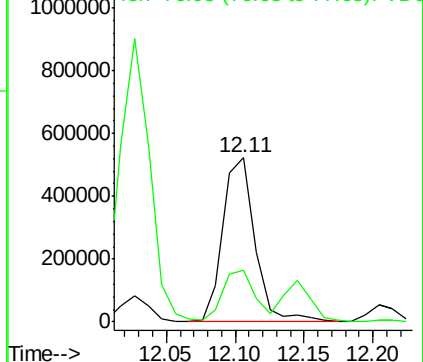
Ion Ratio Lower Upper

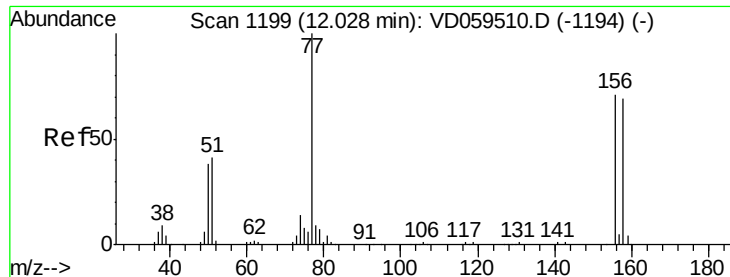
75 100

77 31.7 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 148.530 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

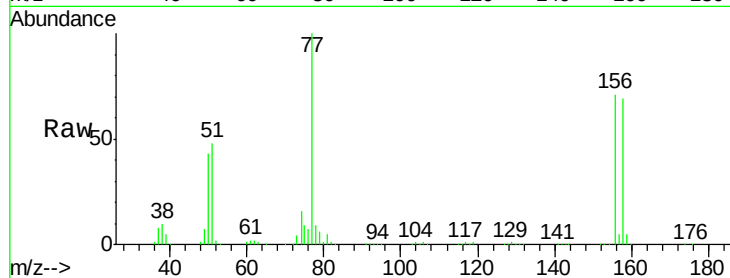
Tgt Ion:156 Resp: 963915

Ion Ratio Lower Upper

156 100

77 141.2 70.0 210.0

158 97.0 48.3 144.9



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

1200000

1000000

800000

600000

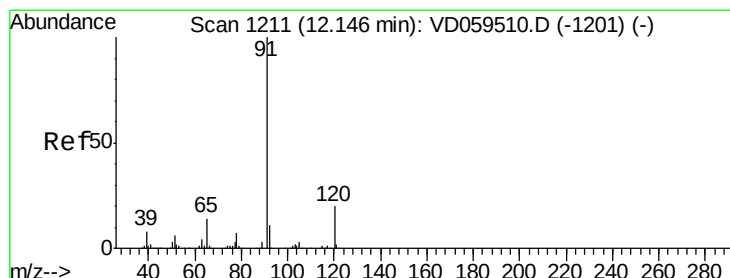
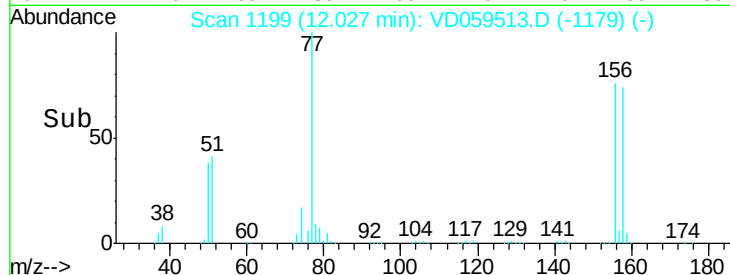
400000

200000

0

Time--> 11.90 12.00 12.10

12.03



#78

n-propylbenzene

Concen: 148.069 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059513.D

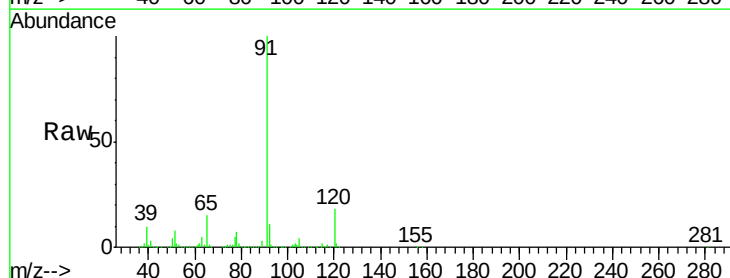
Acq: 2 Jul 2018 19:58

Tgt Ion: 91 Resp: 3933391

Ion Ratio Lower Upper

91 100

120 18.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

3000000

2500000

2000000

1500000

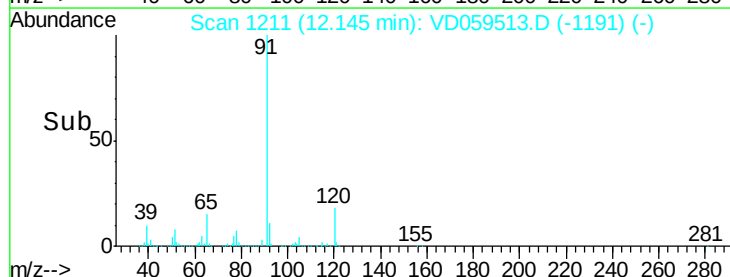
1000000

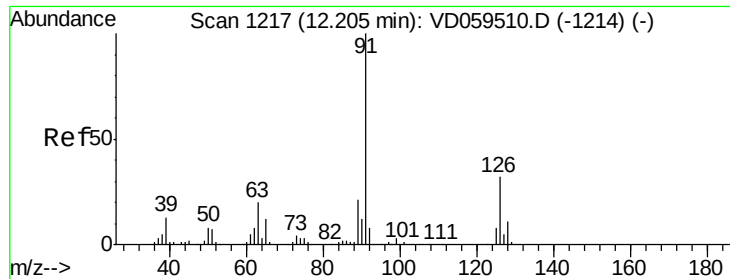
500000

0

Time--> 12.00 12.10 12.20

12.15

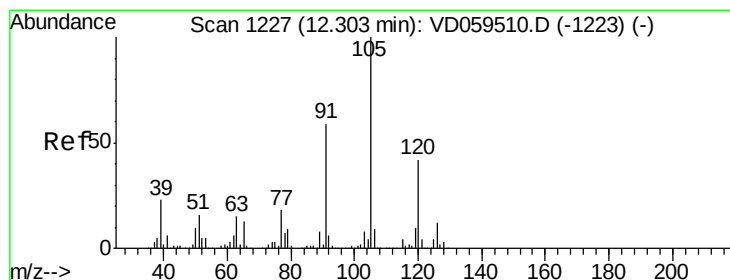
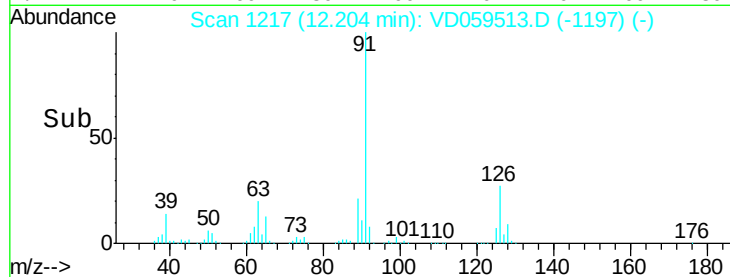
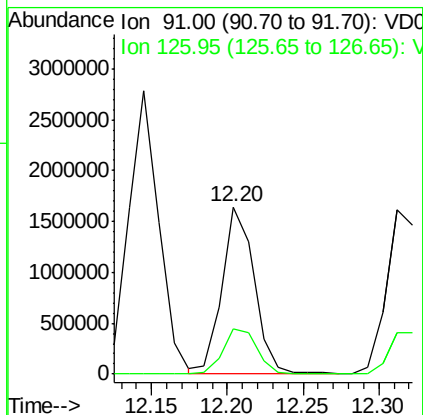
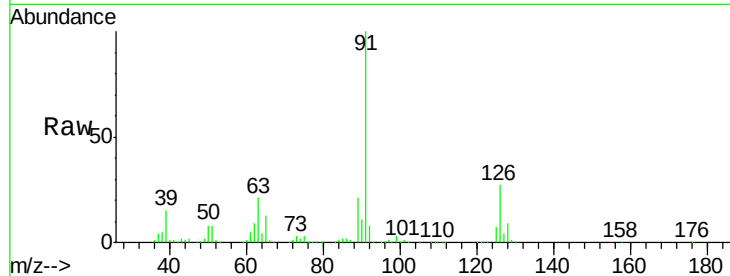




#79
 2-Chlorotoluene
 Concen: 155.932 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

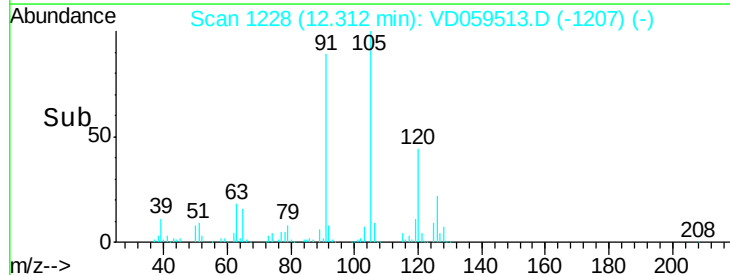
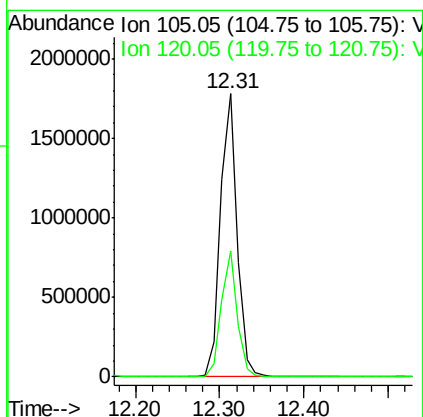
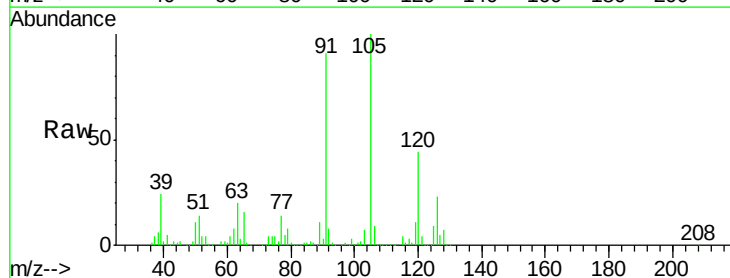
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

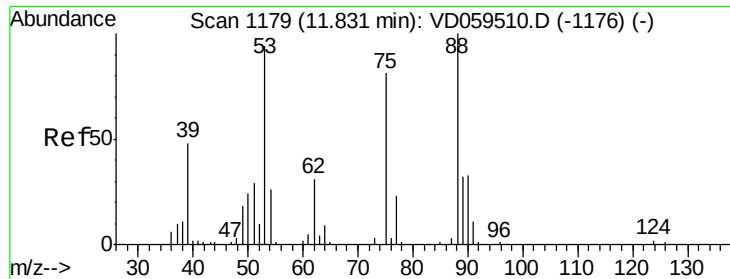
Tgt Ion: 91 Resp: 2417255
 Ion Ratio Lower Upper
 91 100
 126 27.2 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 146.744 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 105 Resp: 2437378
 Ion Ratio Lower Upper
 105 100
 120 44.5 20.8 62.4

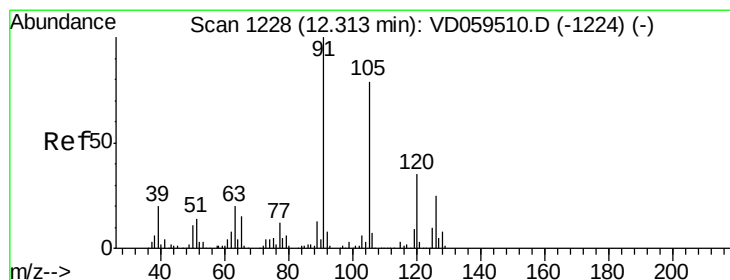
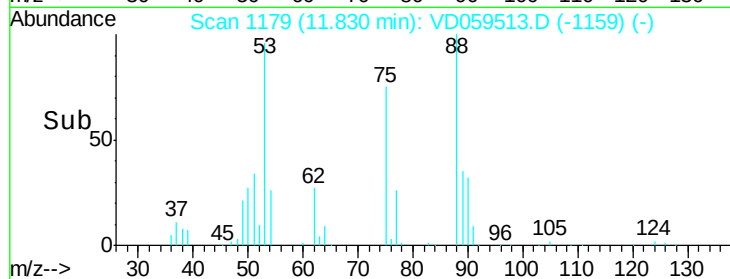
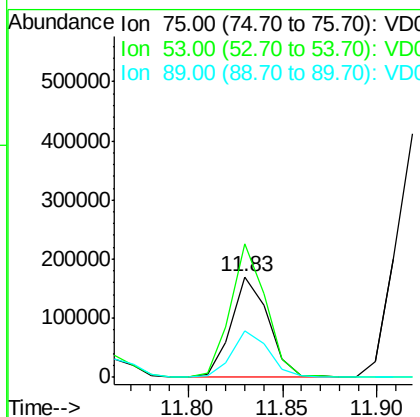
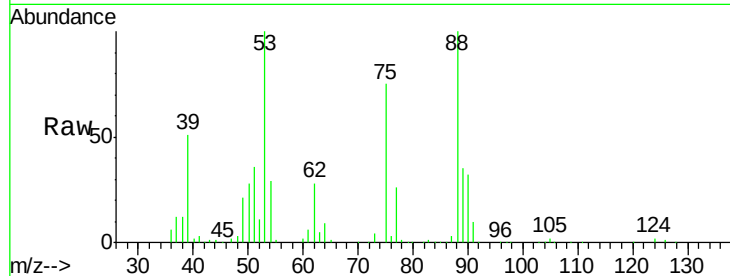




#81
trans-1,4-Dichloro-2-butene
Concen: 194.071 ug/l
RT: 11.83 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

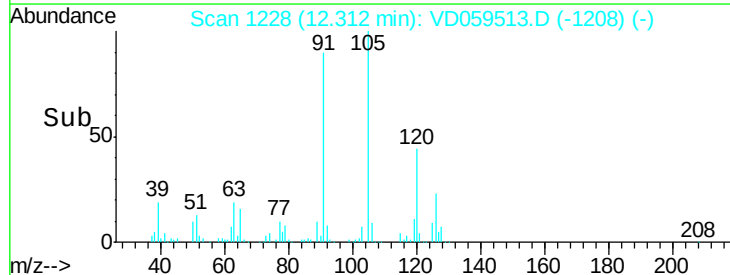
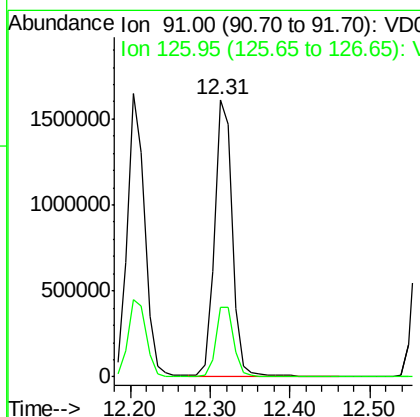
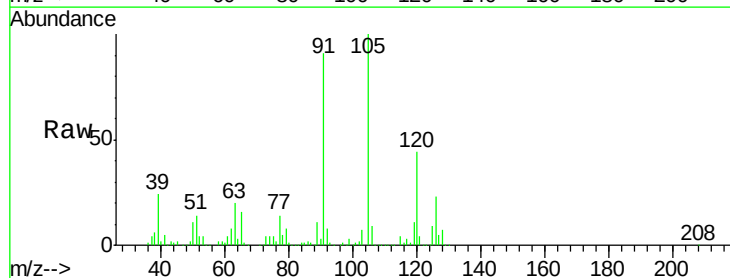
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

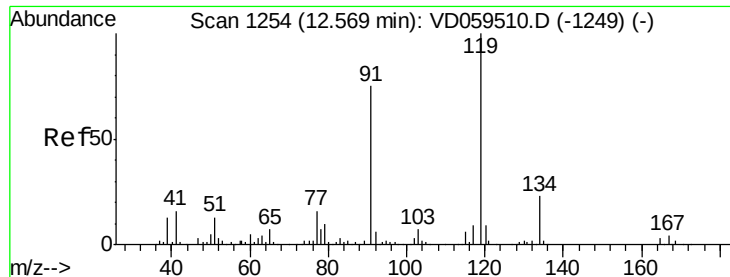
Tgt Ion: 75 Resp: 231863
Ion Ratio Lower Upper
75 100
53 132.7 92.6 139.0
89 46.2 31.5 47.3



#82
4-Chlorotoluene
Concen: 142.284 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 91 Resp: 2523627
Ion Ratio Lower Upper
91 100
126 25.2 12.3 36.9

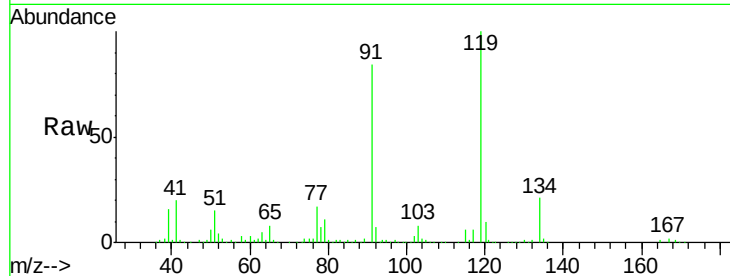




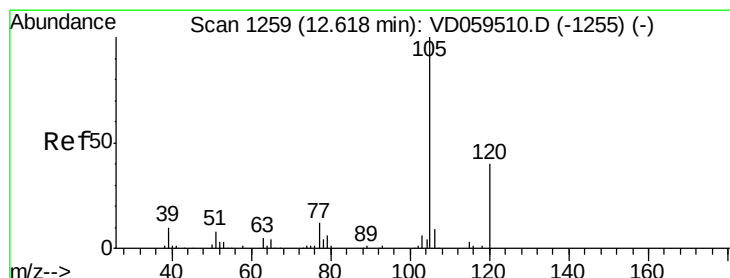
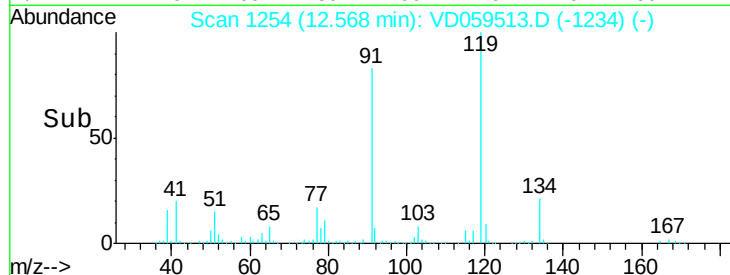
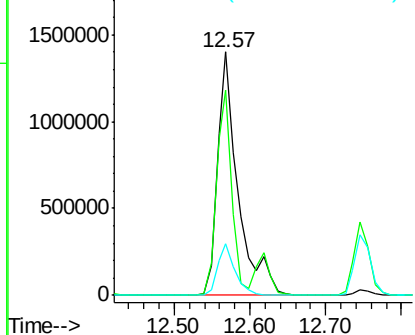
#83
 tert-Butylbenzene
 Concen: 149.707 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 2675193
 Ion Ratio Lower Upper
 119 100
 91 84.1 37.8 113.3
 134 21.3 11.5 34.4

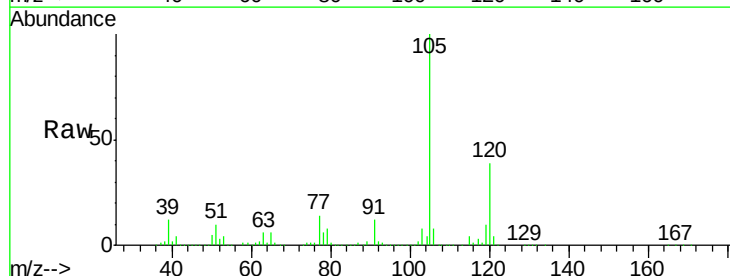


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

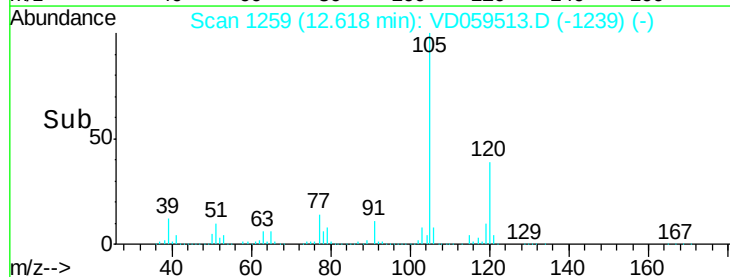
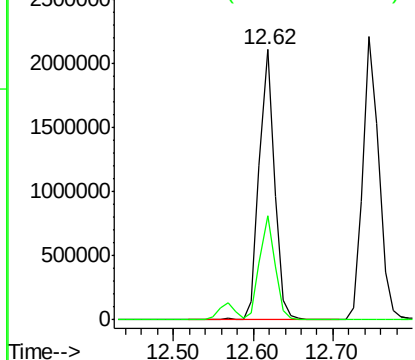


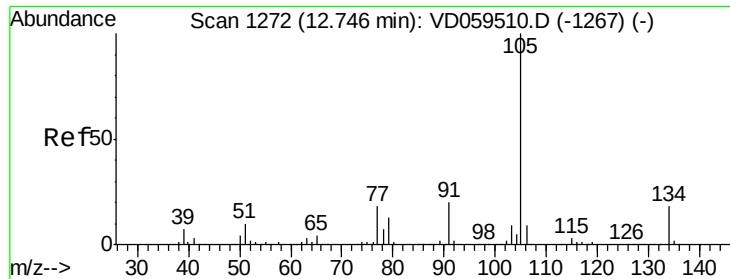
#84
 1,2,4-Trimethylbenzene
 Concen: 157.399 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion:105 Resp: 2755723
 Ion Ratio Lower Upper
 105 100
 120 38.6 21.1 63.3



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





#85

sec-Butylbenzene

Concen: 144.861 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

Instrument :

MSVOA_D

ClientSampleId :

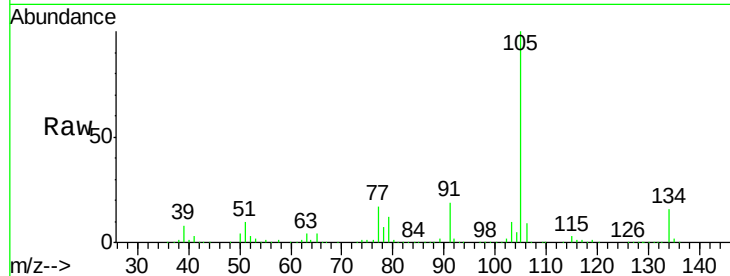
VSTDIC150

Tgt Ion:105 Resp: 3080322

Ion Ratio Lower Upper

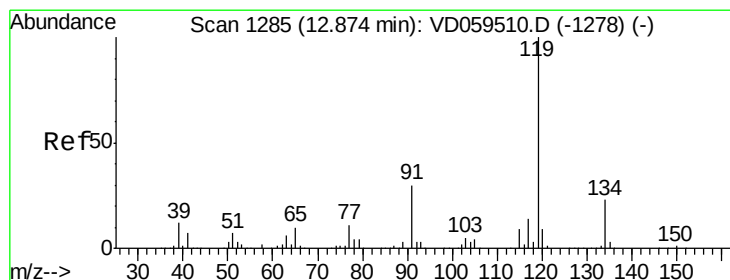
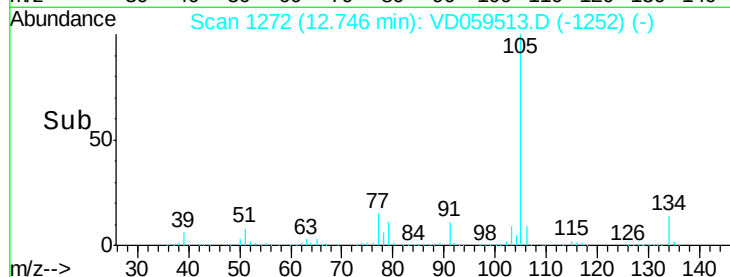
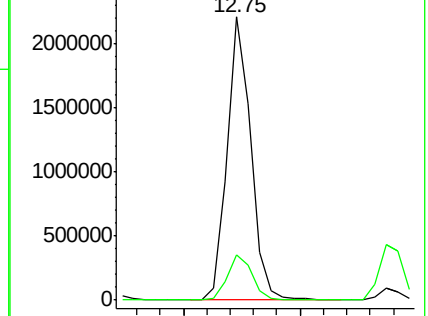
105 100

134 15.9 8.8 26.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 153.547 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD059513.D

Acq: 2 Jul 2018 19:58

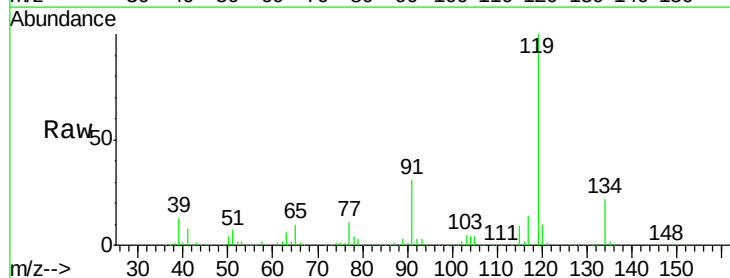
Tgt Ion:119 Resp: 2688628

Ion Ratio Lower Upper

119 100

134 21.6 11.6 34.8

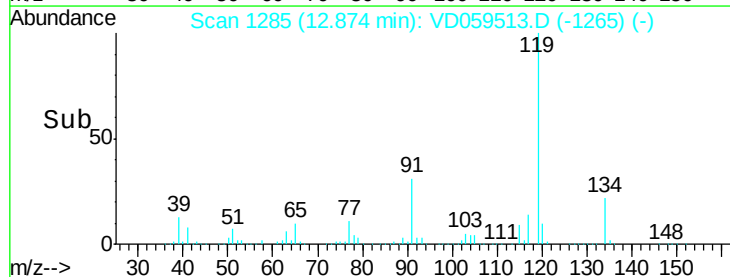
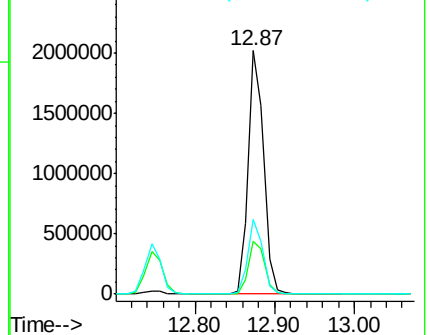
91 30.9 15.3 45.8

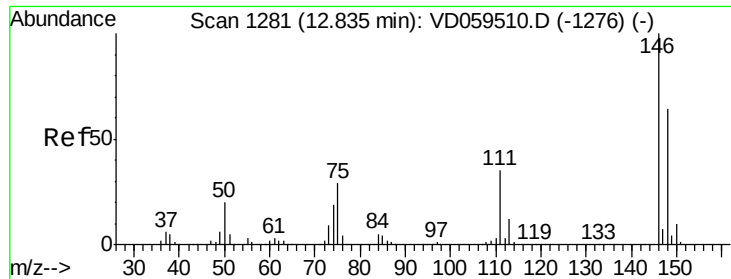


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

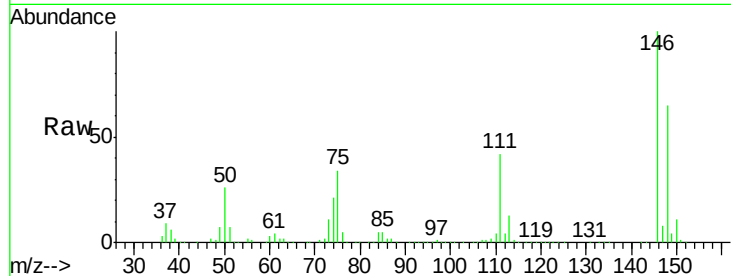




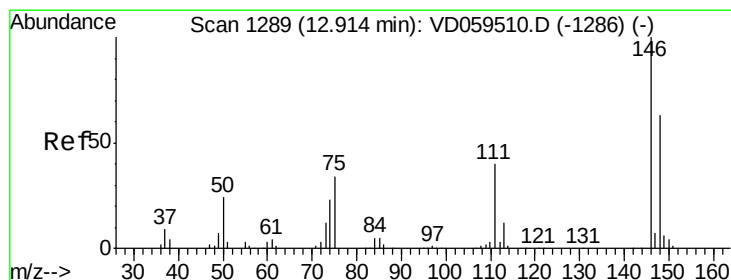
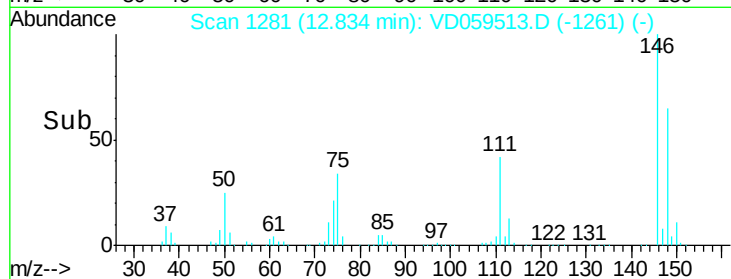
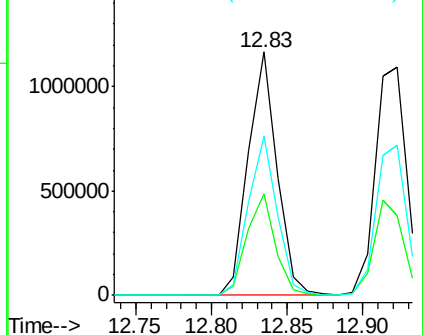
#87
 1,3-Dichlorobenzene
 Concen: 143.946 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1555848
 Ion Ratio Lower Upper
 146 100
 111 41.9 17.6 52.9
 148 65.5 32.0 96.2

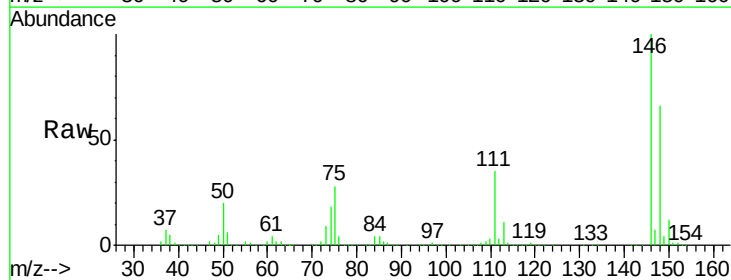


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

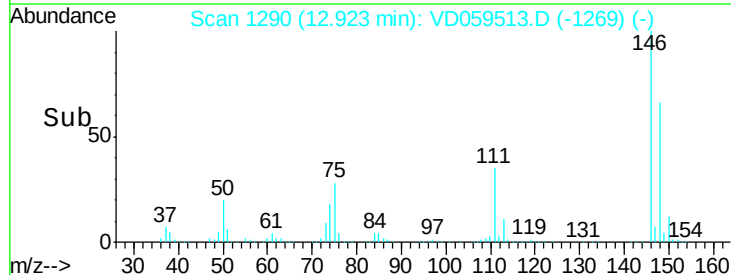
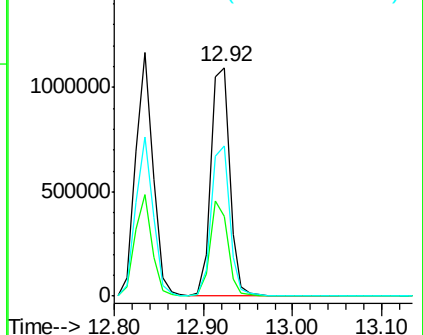


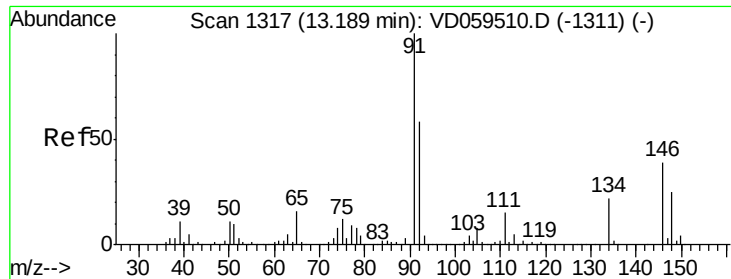
#88
 1,4-Dichlorobenzene
 Concen: 151.181 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion:146 Resp: 1608138
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.0 59.9
 148 65.8 31.7 95.1



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

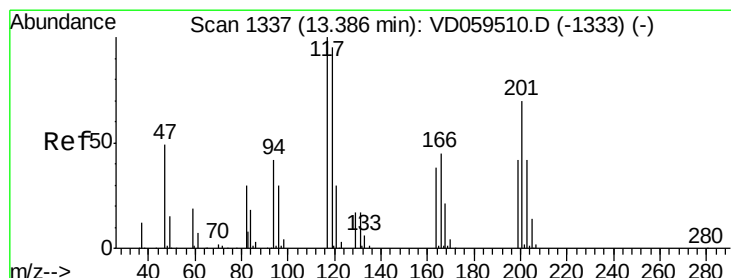
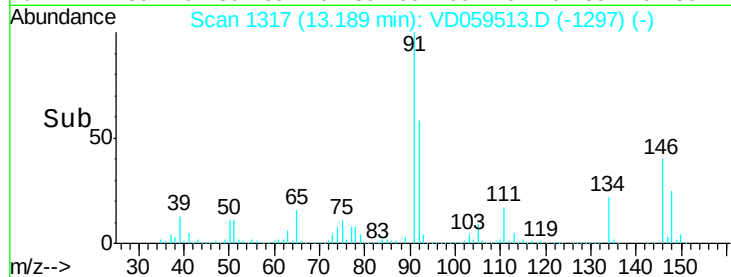
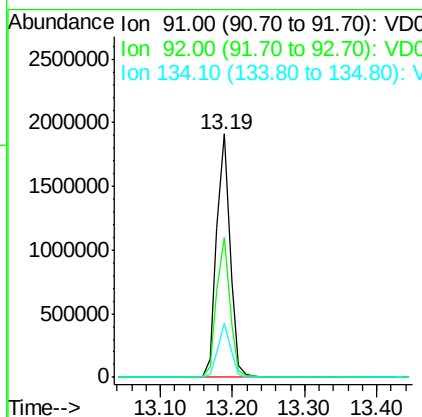
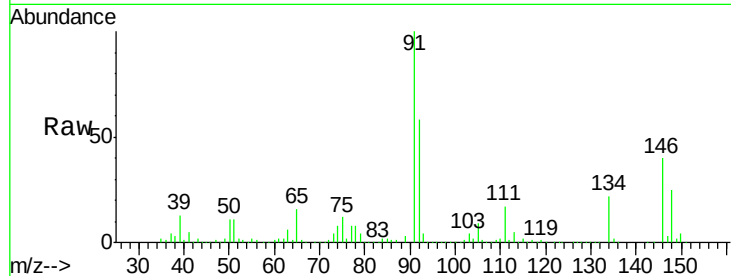




#89
n-Butylbenzene
Concen: 139.897 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

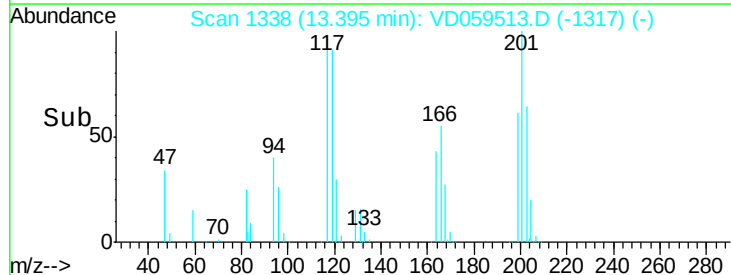
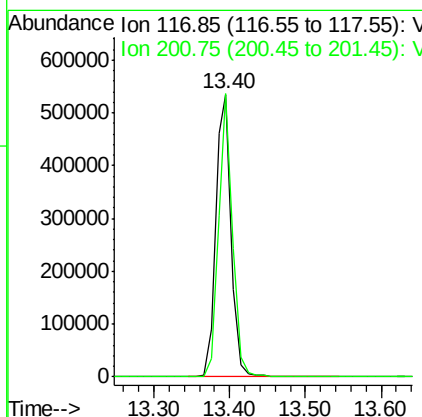
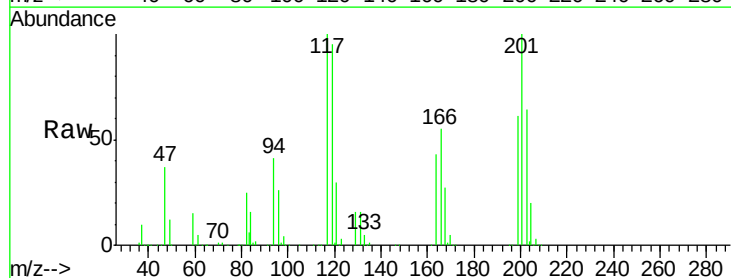
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

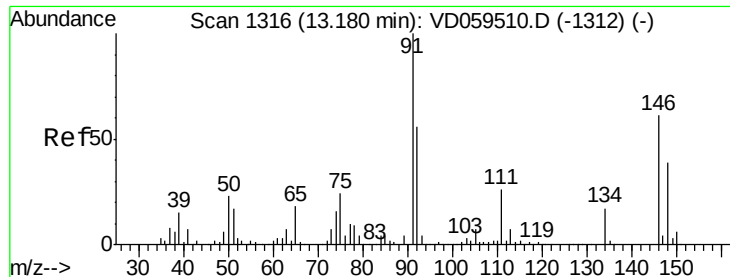
Tgt Ion: 91 Resp: 2442925
Ion Ratio Lower Upper
91 100
92 57.6 28.9 86.7
134 22.3 11.3 33.8



#90
Hexachloroethane
Concen: 174.970 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion: 117 Resp: 769261
Ion Ratio Lower Upper
117 100
201 100.3 35.2 105.6

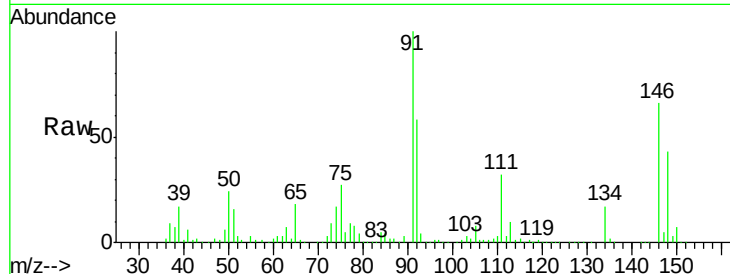




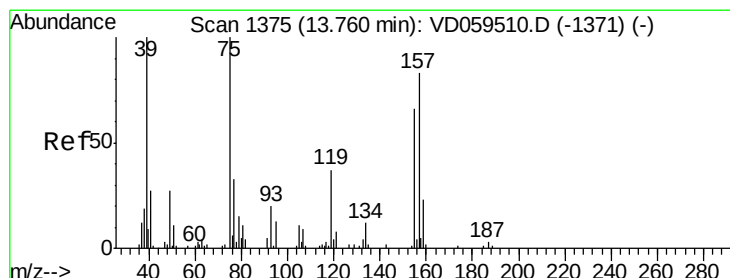
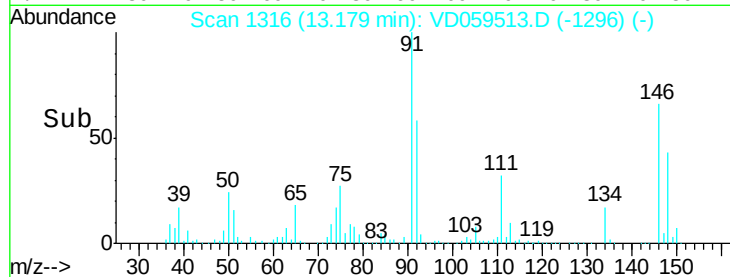
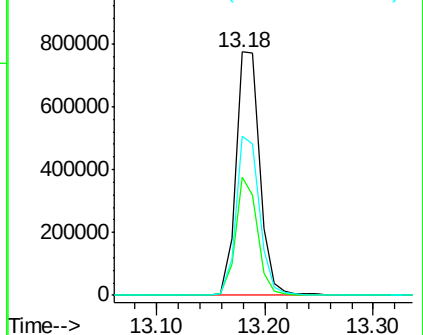
#91
 1,2-Dichlorobenzene
 Concen: 128.699 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1179327
 Ion Ratio Lower Upper
 146 100
 111 48.6 21.3 63.9
 148 65.6 32.4 97.0

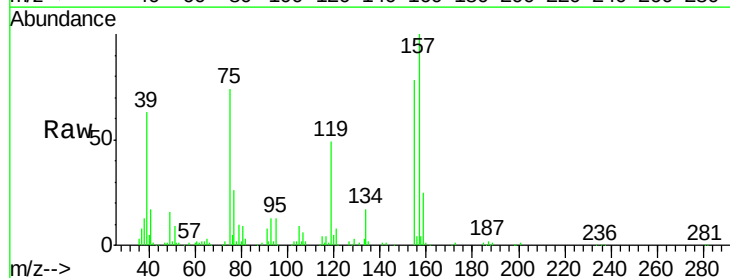


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

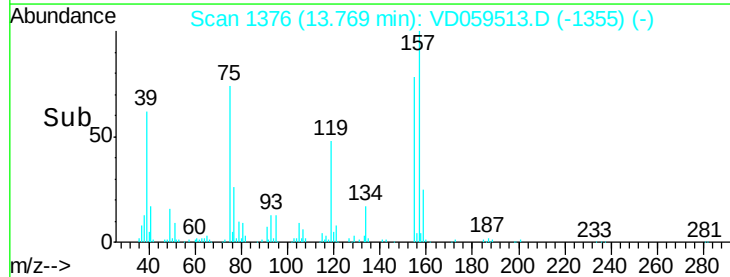
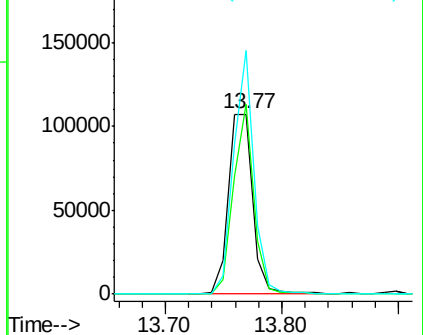


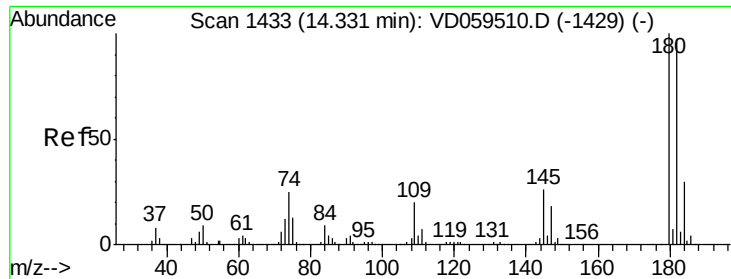
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 192.735 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion: 75 Resp: 156783
 Ion Ratio Lower Upper
 75 100
 155 105.1 32.8 98.4#
 157 135.2 41.5 124.5#



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

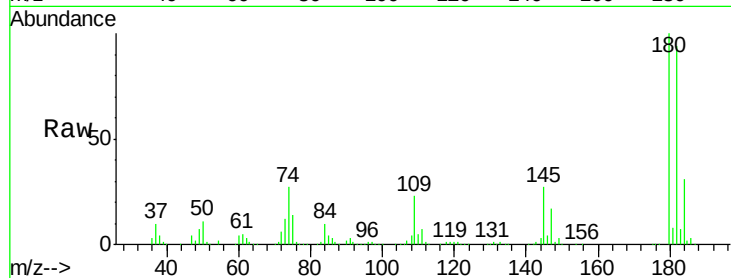




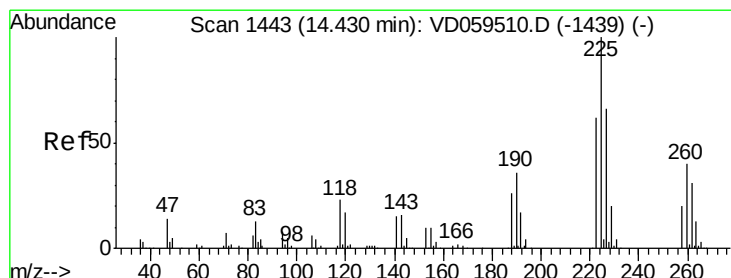
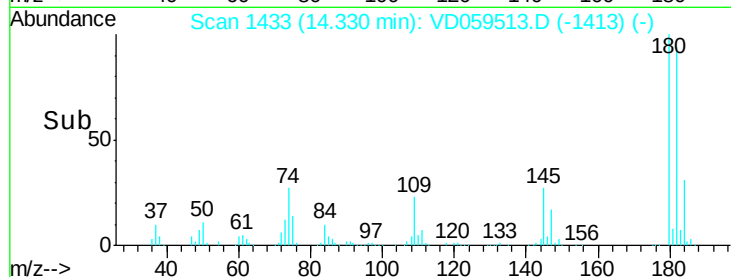
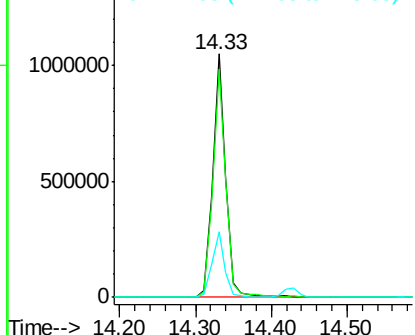
#93
 1,2,4-Trichlorobenzene
 Concen: 153.949 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1281733
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.7 146.1
 145 27.0 13.2 39.6

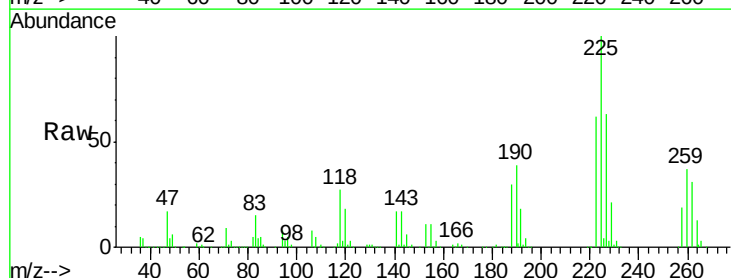


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

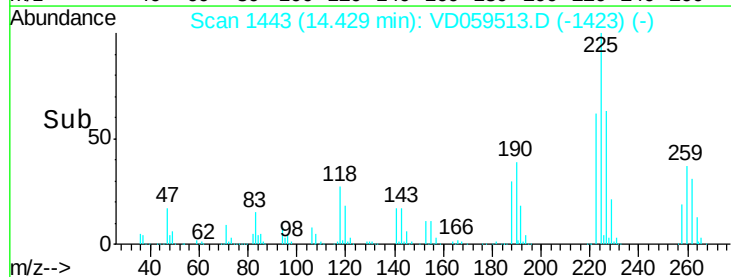
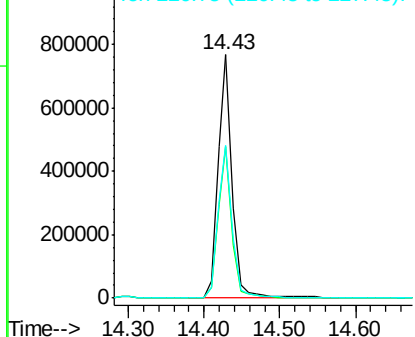


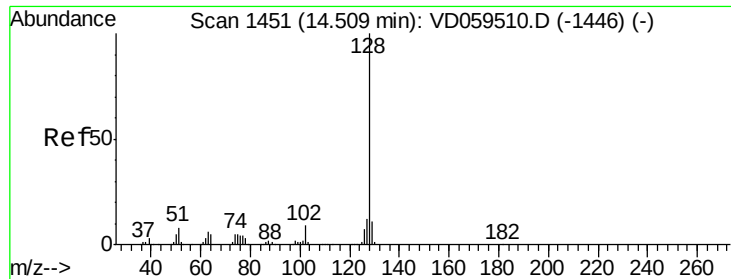
#94
 Hexachlorobutadiene
 Concen: 160.577 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059513.D
 Acq: 2 Jul 2018 19:58

Tgt Ion:225 Resp: 1006983
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.0 93.0
 227 62.6 33.1 99.5



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

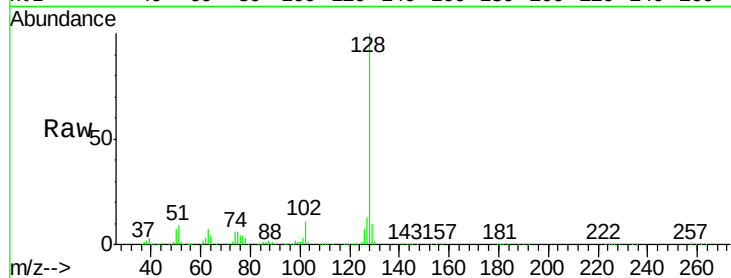




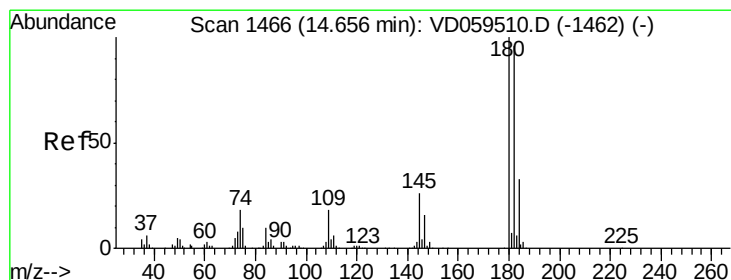
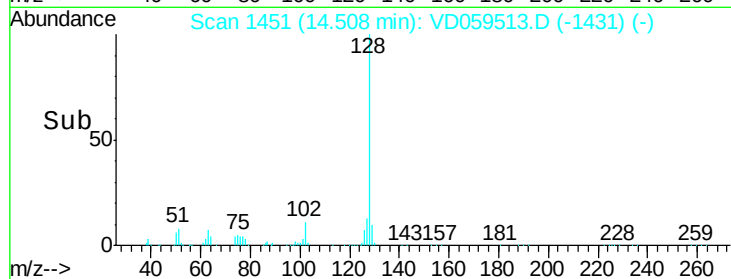
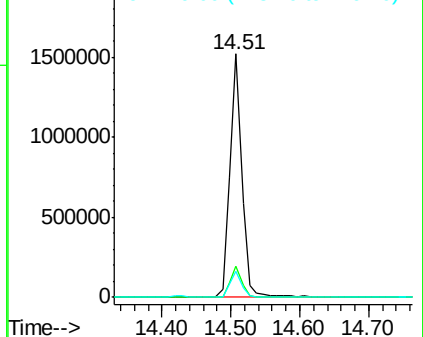
#95
Naphthalene
Concen: 154.213 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1831419
Ion Ratio Lower Upper
128 100
127 13.0 9.8 14.8
129 10.5 8.6 12.8

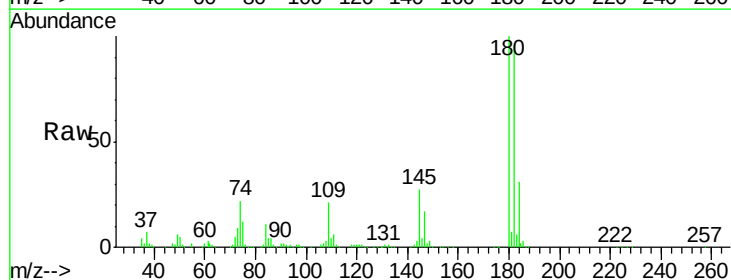


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 146.400 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059513.D
Acq: 2 Jul 2018 19:58

Tgt Ion:180 Resp: 1098024
Ion Ratio Lower Upper
180 100
182 95.9 48.1 144.4
145 26.9 13.2 39.6



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

