

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070218\
 Data File : VD059511.D
 Acq On : 2 Jul 2018 19:01
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 03 00:54:51 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	609102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	876144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	714419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	352359	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	587801	88.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.38%	
35) Dibromofluoromethane	5.51	113	542886	75.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.26%	
50) Toluene-d8	8.68	98	1195916	70.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.26%	
62) 4-Bromofluorobenzene	11.92	95	525076	74.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.46%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.32	85	581236	95.333 ug/l	99
3) Chloromethane	1.47	50	269852	88.343 ug/l	98
4) Vinyl Chloride	1.53	62	277496	87.253 ug/l	92
5) Bromomethane	1.76	94	95876	78.507 ug/l	87
6) Chloroethane	1.85	64	119189	88.762 ug/l	95
7) Trichlorofluoromethane	2.05	101	426042	91.612 ug/l	97
8) Diethyl Ether	2.31	74	86146	85.091 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.52	101	264994	91.963 ug/l	97
10) Methyl Iodide	2.65	142	299834	90.753 ug/l	97
11) Tert butyl alcohol	3.24	59	86927	391.485 ug/l	# 93
12) 1,1-Dichloroethene	2.51	96	211248	94.796 ug/l	98
13) Acrolein	2.44	56	41301	226.487 ug/l	96
14) Allyl chloride	2.88	41	459413	91.374 ug/l	95
15) Acrylonitrile	3.32	53	277101	404.807 ug/l	97
16) Acetone	2.59	43	383557	450.287 ug/l	95
17) Carbon Disulfide	2.72	76	706330	101.422 ug/l	99
18) Methyl Acetate	2.90	43	151660	73.683 ug/l	# 92
19) Methyl tert-butyl Ether	3.36	73	541453	56.454 ug/l	97
20) Methylene Chloride	3.04	84	216710	79.924 ug/l	98
21) trans-1,2-Dichloroethene	3.34	96	227694	63.923 ug/l	97
22) Diisopropyl ether	4.03	45	1581896	84.567 ug/l	97
23) Vinyl Acetate	3.98	43	4630729	466.229 ug/l	99
24) 1,1-Dichloroethane	3.92	63	882900	82.117 ug/l	99
25) 2-Butanone	4.80	43	792286	447.189 ug/l	99
26) 2,2-Dichloropropane	4.76	77	719332	85.783 ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	466385	73.468 ug/l	96
28) Bromochloromethane	5.11	49	326273	74.684 ug/l	95
29) Tetrahydrofuran	5.16	42	400038	417.269 ug/l	98
30) Chloroform	5.28	83	949445	82.042 ug/l	94
31) Cyclohexane	5.56	56	638218	78.598 ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	762653	82.010 ug/l	95
36) 1,1-Dichloropropene	5.71	75	638395	76.235 ug/l	98
37) Ethyl Acetate	4.89	43	359703	72.200 ug/l	97
38) Carbon Tetrachloride	5.69	117	661492	76.826 ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070218\
 Data File : VD059511.D
 Acq On : 2 Jul 2018 19:01
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

Quant Time: Jul 03 00:54:51 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)
39) Methylcyclohexane	7.25	83	606940	76.282	ug/l	96
40) Benzene	5.98	78	1454215	72.452	ug/l	99
41) Methacrylonitrile	5.10	41	184588	76.131	ug/l	97
42) 1,2-Dichloroethane	6.09	62	707117	80.295	ug/l	97
43) Isopropyl Acetate	7.59	43	513995	81.061	ug/l #	100
44) Trichloroethene	6.95	130	456946	70.204	ug/l	92
45) 1,2-Dichloropropane	7.32	63	421222	76.174	ug/l	96
46) Dibromomethane	7.43	93	295055	75.349	ug/l	99
47) Bromodichloromethane	7.71	83	704948	79.986	ug/l	97
48) Methyl methacrylate	7.48	41	318049	81.601	ug/l	92
49) 1,4-Dioxane	7.47	88	60426	1558.707	ug/l #	87
51) 4-Methyl-2-Pentanone	8.58	43	1652833	393.005	ug/l	100
52) Toluene	8.78	92	811984	68.624	ug/l	95
53) t-1,3-Dichloropropene	9.16	75	621238	82.704	ug/l	99
54) cis-1,3-Dichloropropene	8.33	75	688057	79.046	ug/l	96
55) 1,1,2-Trichloroethane	9.43	97	299530	70.626	ug/l	99
56) Ethyl methacrylate	9.29	69	394674	80.057	ug/l	92
57) 1,3-Dichloropropane	9.64	76	557839	78.983	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	905549	357.288	ug/l	93
59) 2-Hexanone	9.76	43	1167716	392.246	ug/l	100
60) Dibromochloromethane	9.94	129	449319	75.036	ug/l	92
61) 1,2-Dibromoethane	10.08	107	347271	72.854	ug/l	96
64) Tetrachloroethene	9.49	164	428659	67.111	ug/l	98
65) Chlorobenzene	10.71	112	904242	67.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	398229	78.426	ug/l	97
67) Ethyl Benzene	10.85	91	1638868	72.748	ug/l	98
68) m/p-Xylenes	11.00	106	1017103	135.187	ug/l	99
69) o-Xylene	11.39	106	504814	68.197	ug/l	99
70) Styrene	11.42	104	827911	65.808	ug/l	97
71) Bromoform	11.58	173	323436	76.574	ug/l	95
73) Isopropylbenzene	11.76	105	1441906	70.126	ug/l	98
74) N-amyl acetate	11.63	43	664816	83.170	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	367035	74.637	ug/l	97
76) 1,2,3-Trichloropropane	12.10	75	406413	79.743	ug/l	97
77) Bromobenzene	12.03	156	454116	70.477	ug/l	90
78) n-propylbenzene	12.14	91	1873484	71.031	ug/l	98
79) 2-Chlorotoluene	12.20	91	1155678	75.085	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	1140079	69.132	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	109033	91.916	ug/l	95
82) 4-Chlorotoluene	12.31	91	1222312	69.409	ug/l	96
83) tert-Butylbenzene	12.57	119	1323569	74.600	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	1230280	70.774	ug/l	99
85) sec-Butylbenzene	12.75	105	1554969	73.651	ug/l	100
86) p-Isopropyltoluene	12.87	119	1226271	70.534	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	780921	72.769	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	772606	73.154	ug/l	99
89) n-Butylbenzene	13.19	91	1294889	74.686	ug/l	98
90) Hexachloroethane	13.39	117	359077	82.259	ug/l	71
91) 1,2-Dichlorobenzene	13.18	146	624821	68.675	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	75556	93.548	ug/l	59

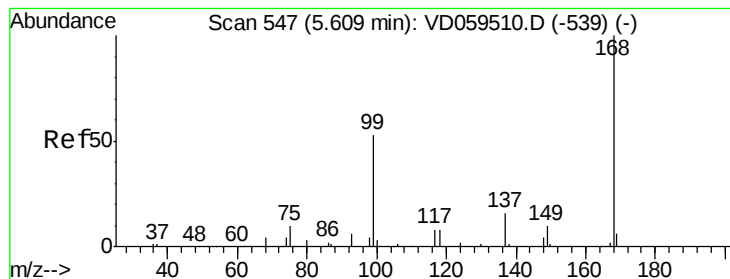
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070218\
Data File : VD059511.D
Acq On : 2 Jul 2018 19:01
Operator : VA/AP
Sample : VSTDICC075
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC075

Quant Time: Jul 03 00:54:51 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)
93) 1,2,4-Trichlorobenzene	14.33	180	591029	71.498	ug/l	99
94) Hexachlorobutadiene	14.43	225	475693	76.400	ug/l	99
95) Naphthalene	14.51	128	924302	78.388	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	530335	71.217	ug/l	97

(#) = 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: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

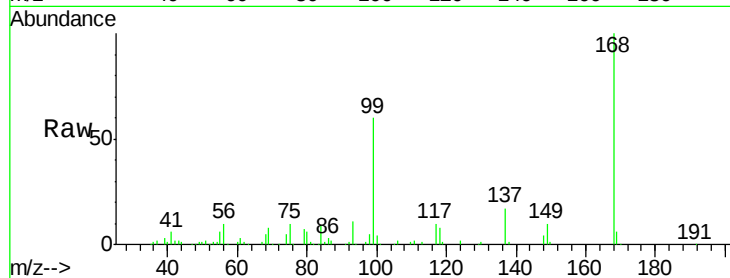
VSTDIC075

Tgt Ion:168 Resp: 609102

Ion Ratio Lower Upper

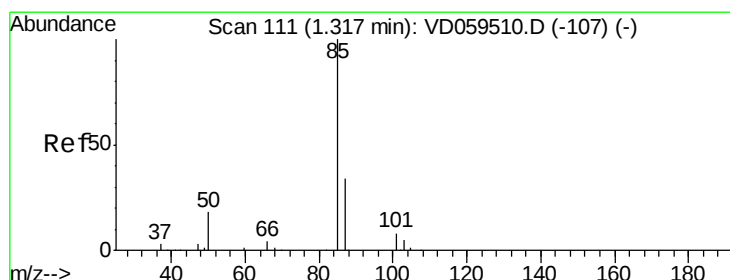
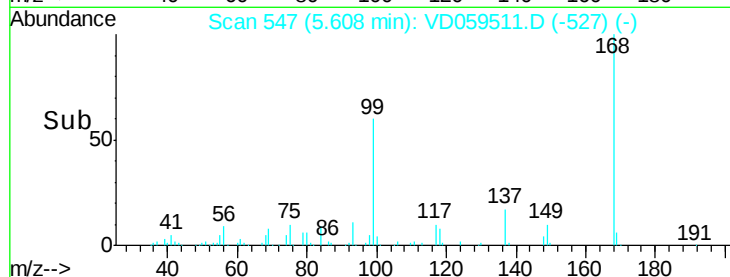
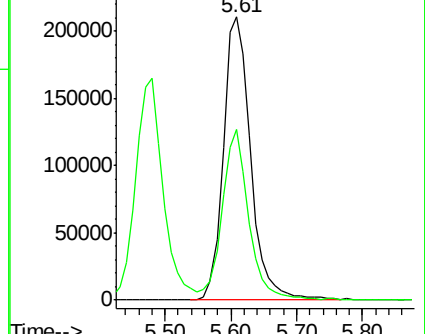
168 100

99 60.1 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: 95.333 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059511.D

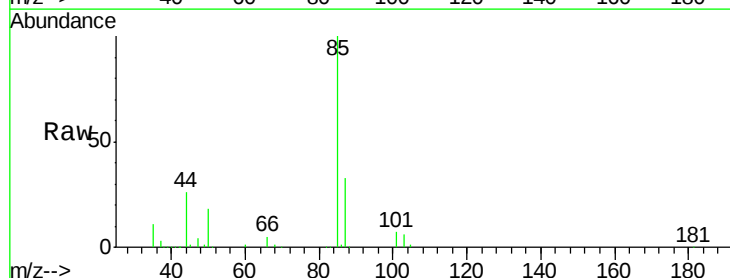
Acq: 2 Jul 2018 19:01

Tgt Ion: 85 Resp: 581236

Ion Ratio Lower Upper

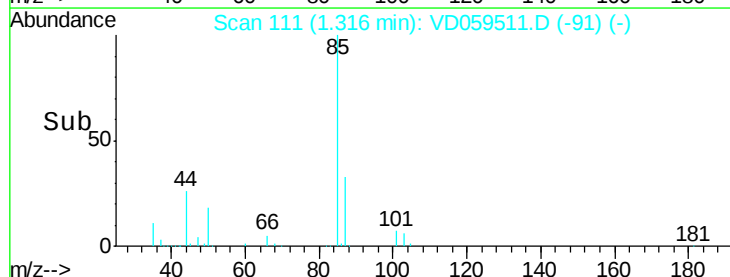
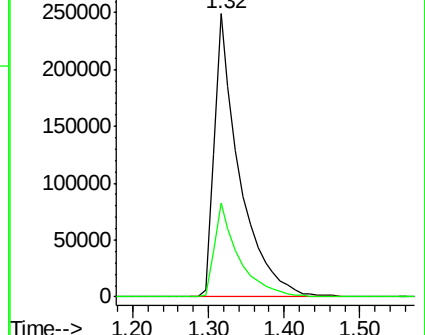
85 100

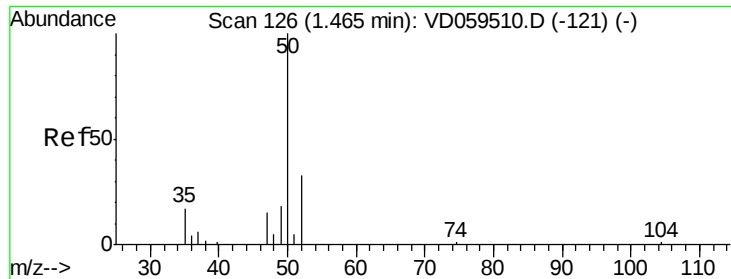
87 33.0 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 88.343 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

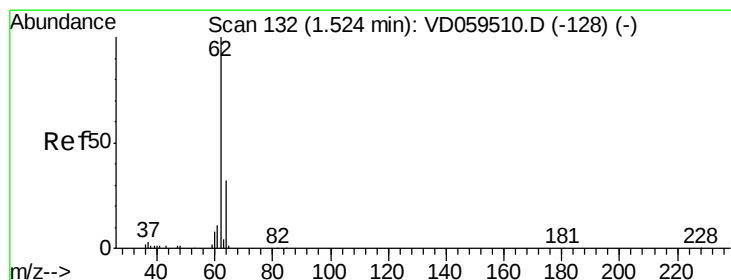
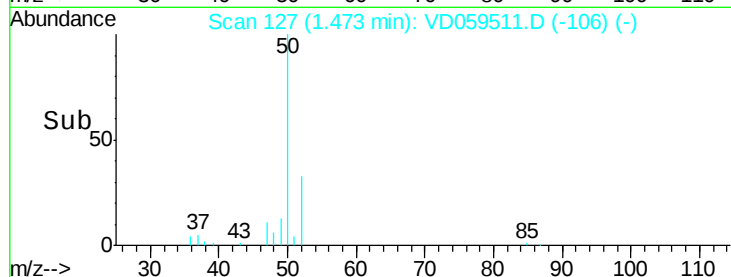
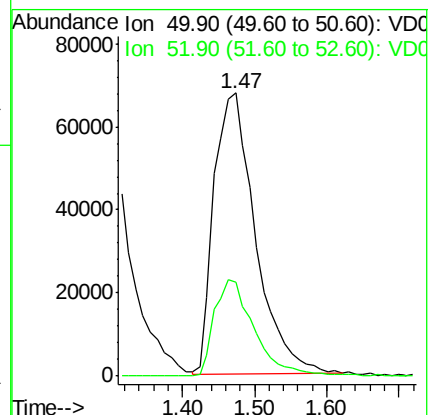
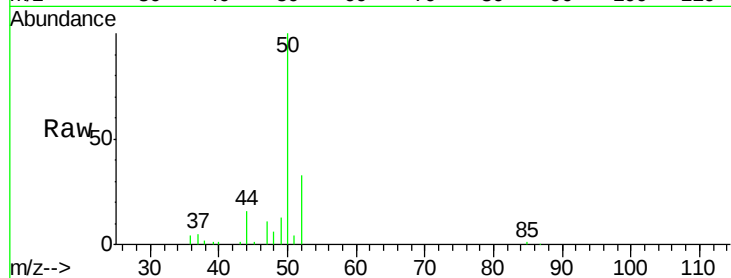
VSTDIC075

Tgt Ion: 50 Resp: 269852

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.6



#4

Vinyl Chloride

Concen: 87.253 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059511.D

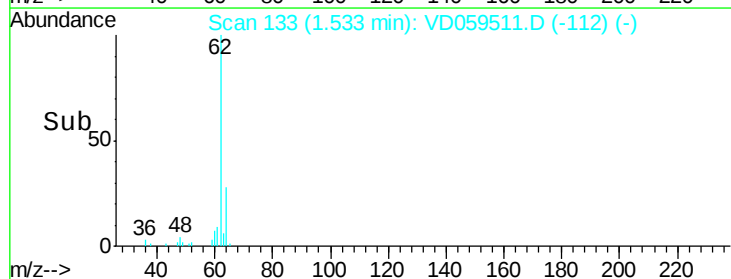
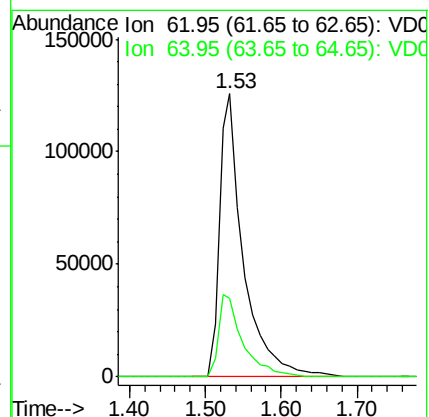
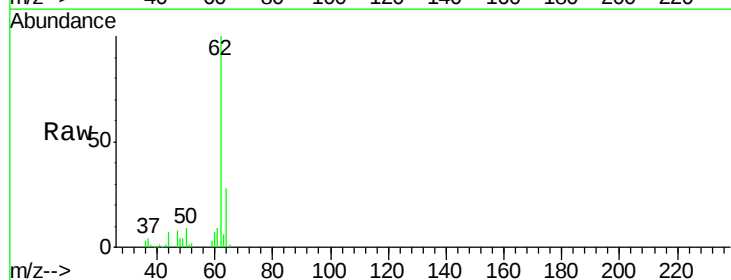
Acq: 2 Jul 2018 19:01

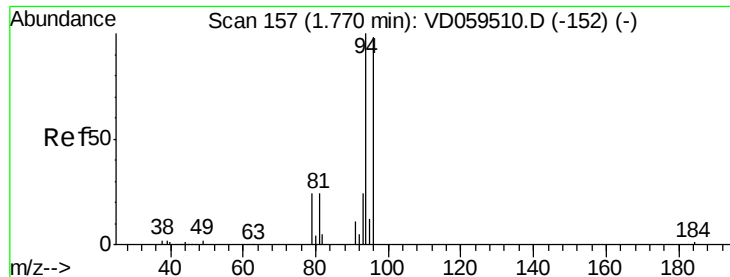
Tgt Ion: 62 Resp: 277496

Ion Ratio Lower Upper

62 100

64 27.5 25.4 38.2





#5

Bromomethane

Concen: 78.507 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

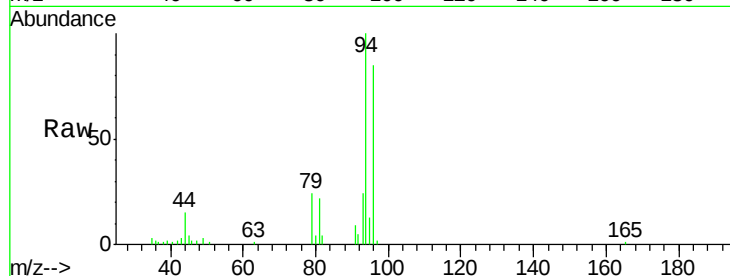
VSTDIC075

Tgt Ion: 94 Resp: 95876

Ion Ratio Lower Upper

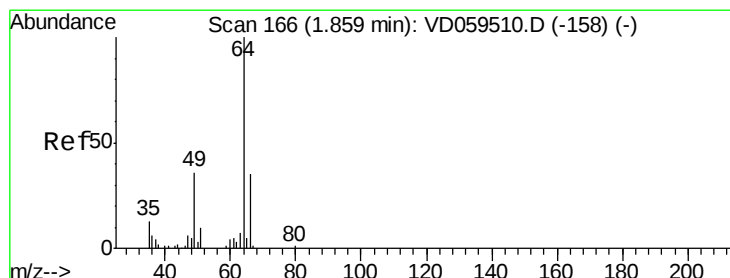
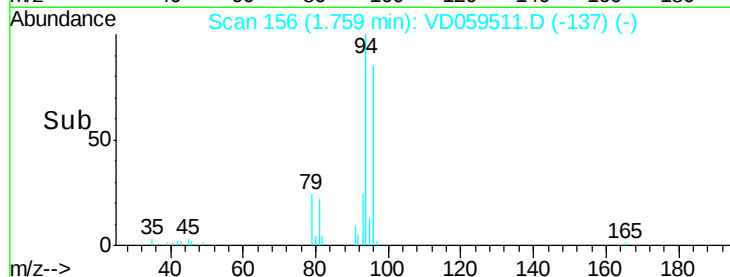
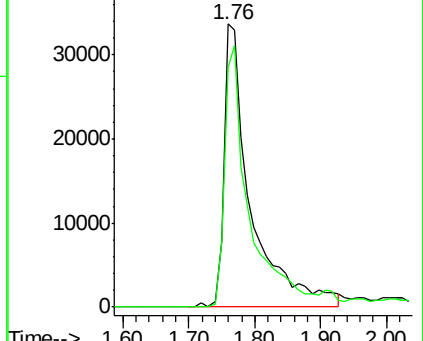
94 100

96 84.8 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: 88.762 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059511.D

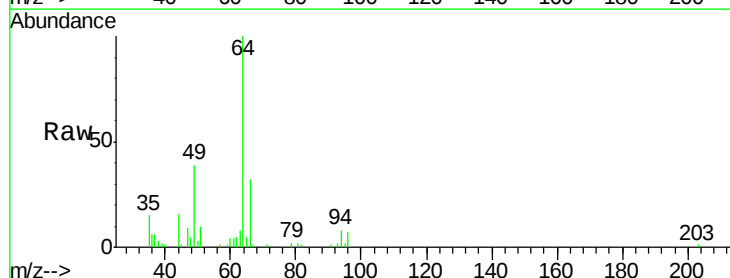
Acq: 2 Jul 2018 19:01

Tgt Ion: 64 Resp: 119189

Ion Ratio Lower Upper

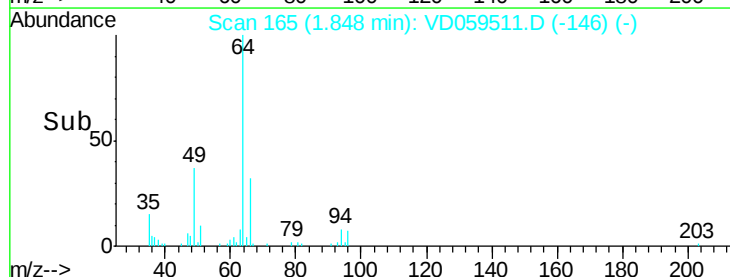
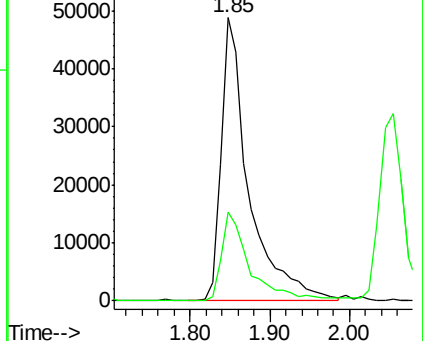
64 100

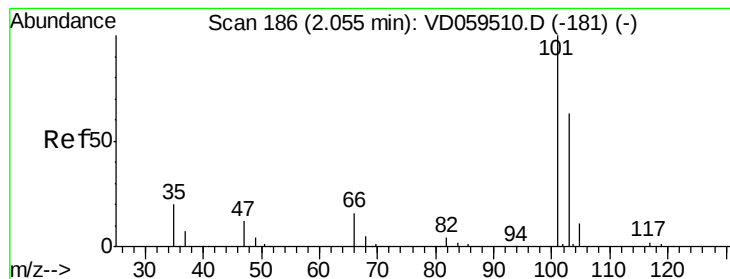
66 31.6 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



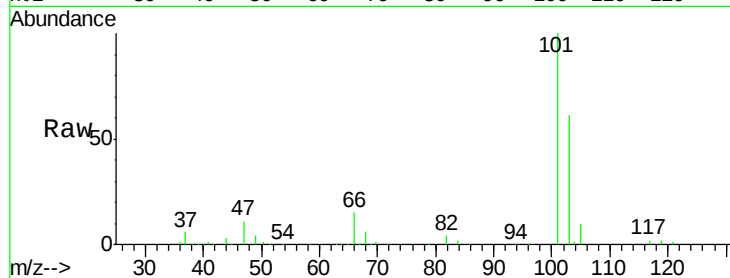


#7

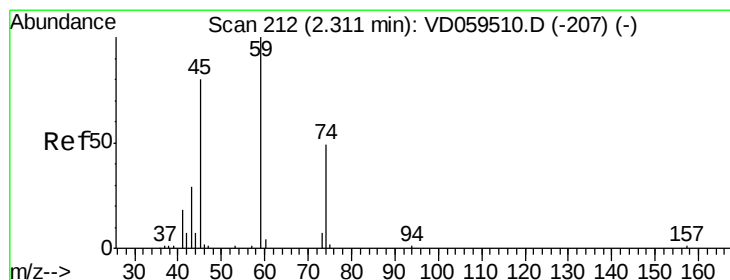
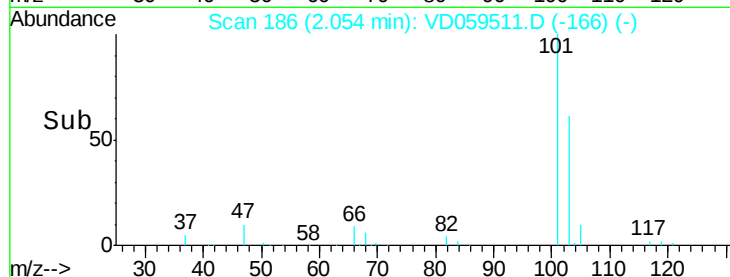
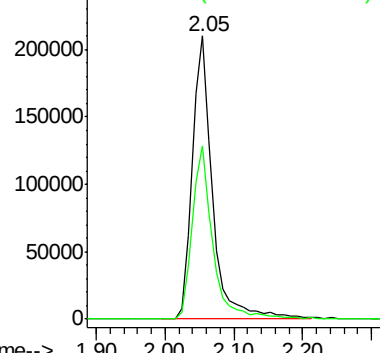
Trichlorofluoromethane
 Concen: 91.612 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:101 Resp: 426042
 Ion Ratio Lower Upper
 101 100
 103 61.2 50.6 76.0



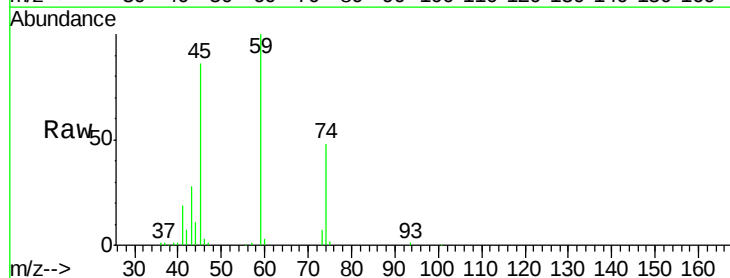
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



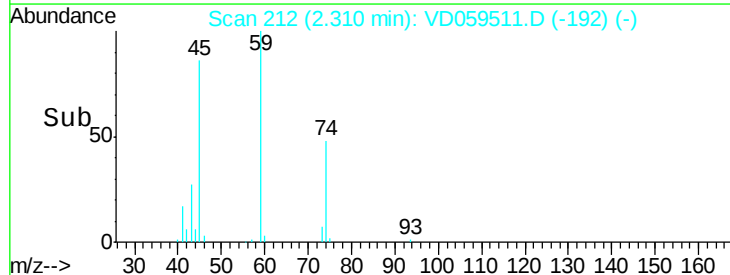
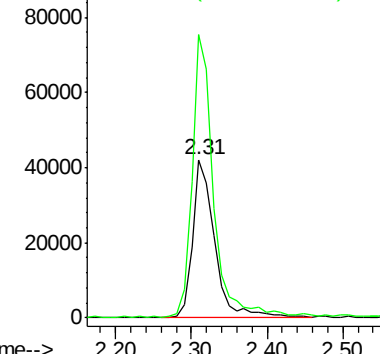
#8

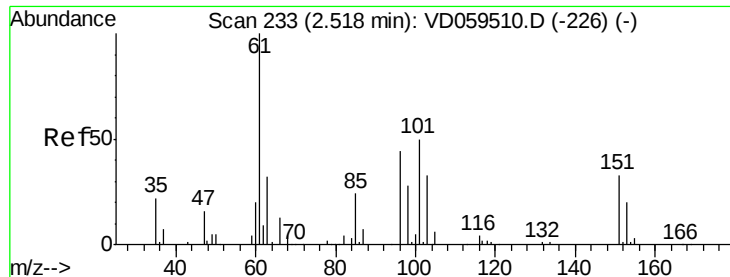
Diethyl Ether
 Concen: 85.091 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 74 Resp: 86146
 Ion Ratio Lower Upper
 74 100
 45 178.8 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: 91.963 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

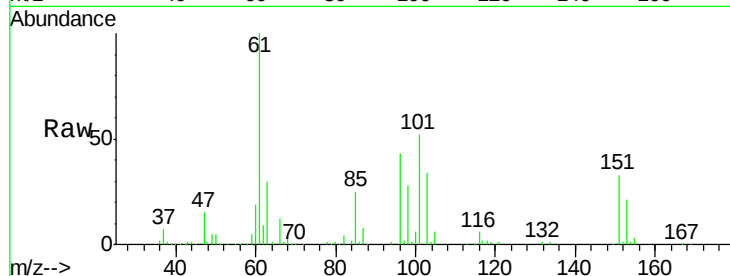
Tgt Ion:101 Resp: 264994

Ion Ratio Lower Upper

101 100

85 47.1 38.8 58.2

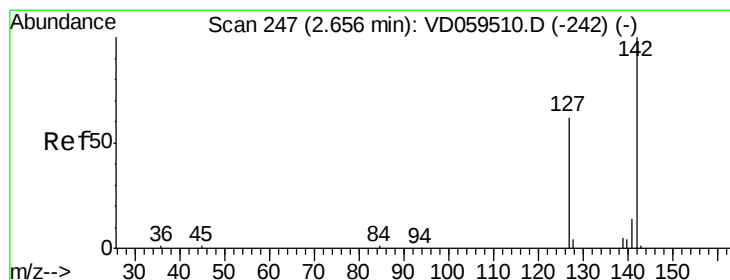
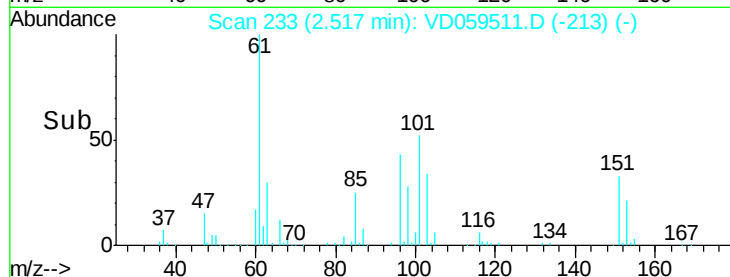
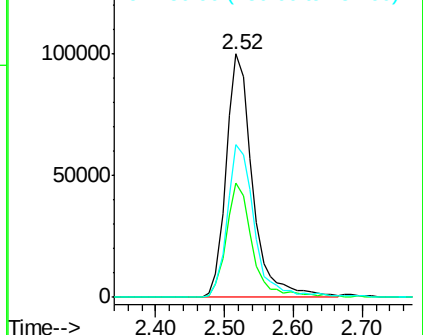
151 63.0 52.6 79.0



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: 90.753 ug/l

RT: 2.65 min Scan# 247

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

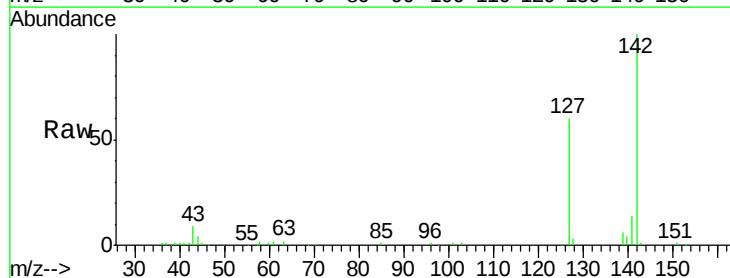
Tgt Ion:142 Resp: 299834

Ion Ratio Lower Upper

142 100

127 59.9 49.8 74.8

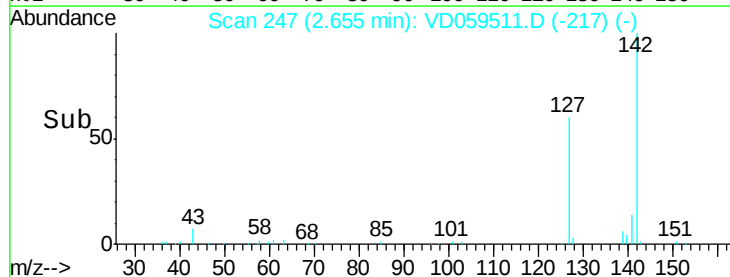
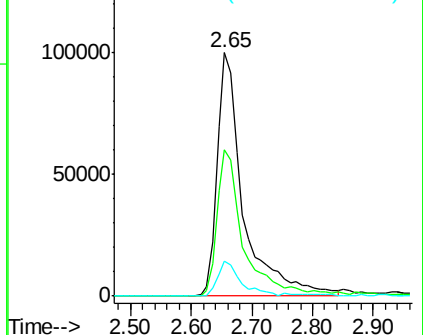
141 14.4 11.1 16.7

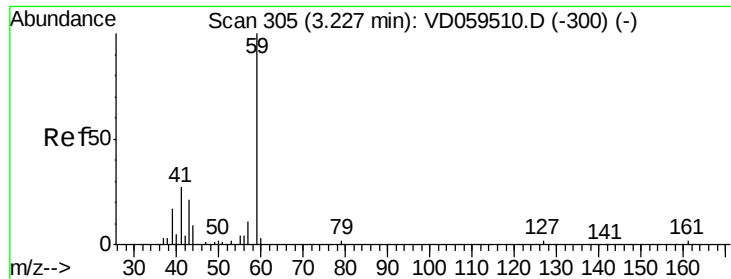


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

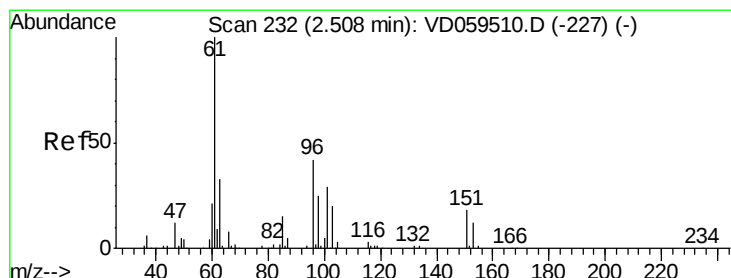
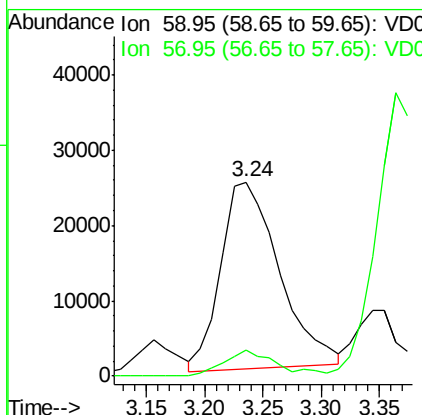
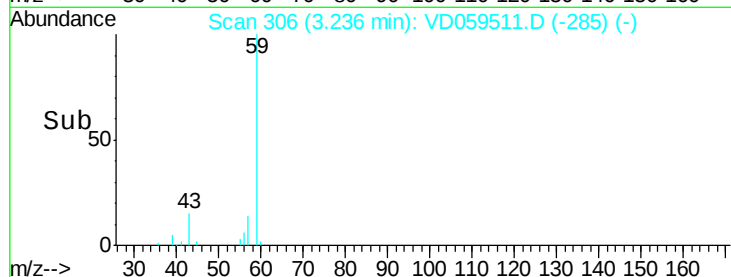
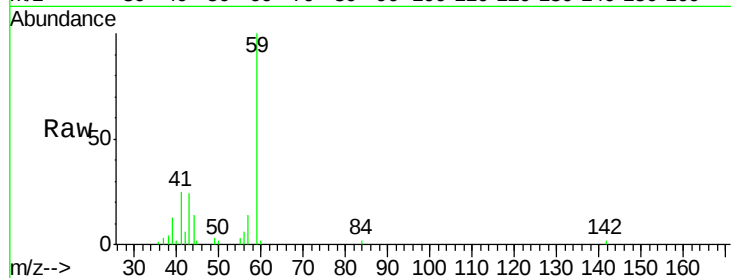




#11
Tert butyl alcohol
Concen: 391.485 ug/l
RT: 3.24 min Scan# 306
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

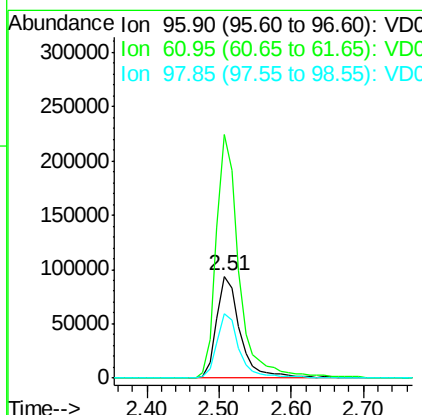
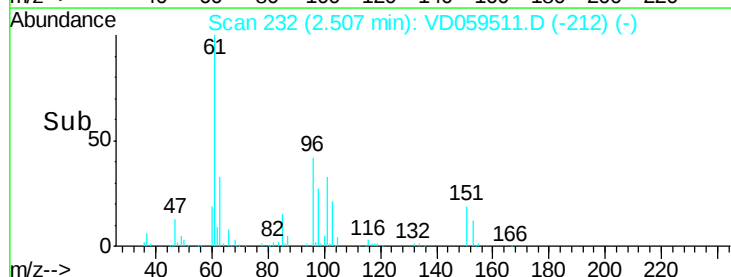
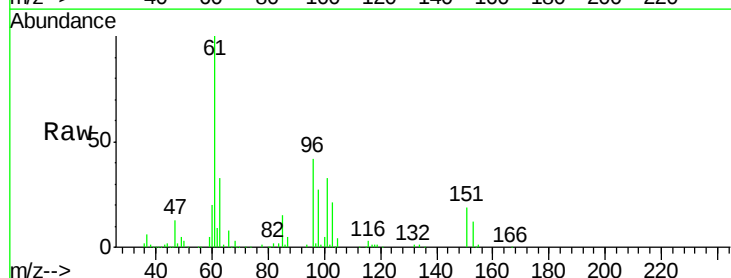
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

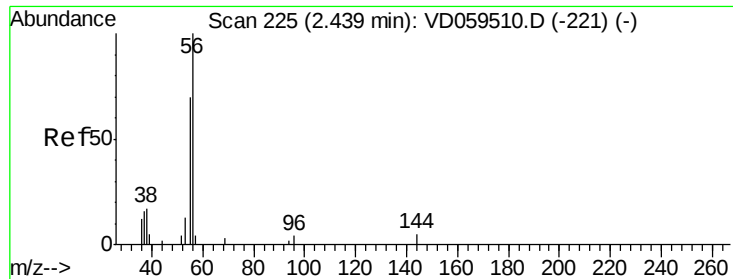
Tgt Ion: 59 Resp: 86927
Ion Ratio Lower Upper
59 100
57 13.5 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 94.796 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 96 Resp: 211248
Ion Ratio Lower Upper
96 100
61 239.1 189.4 284.0
98 63.5 47.9 71.9





#13

Acrolein

Concen: 226.487 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

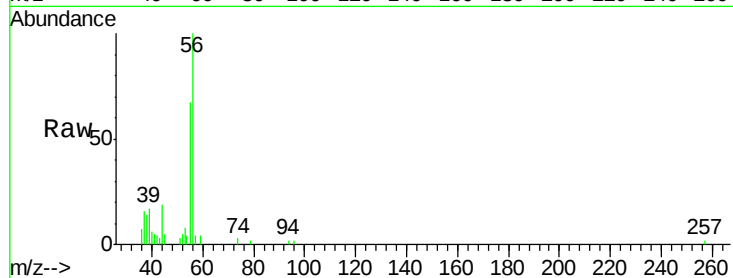
VSTDIC075

Tgt Ion: 56 Resp: 41301

Ion Ratio Lower Upper

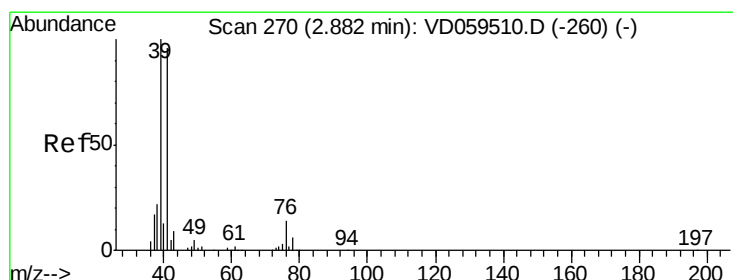
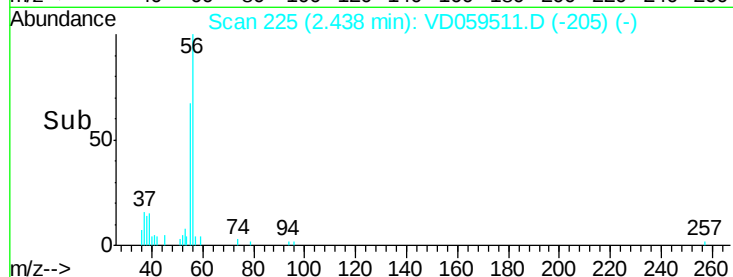
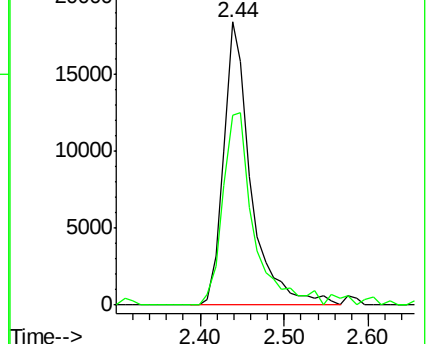
56 100

55 66.9 56.0 84.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 91.374 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

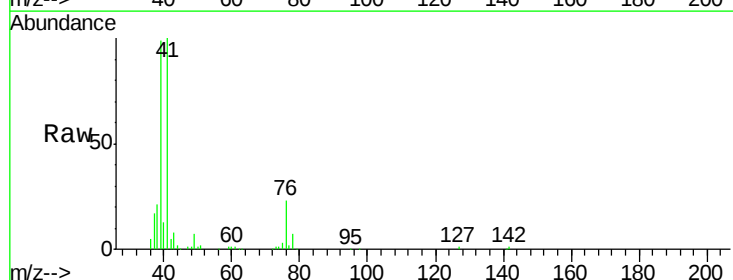
Tgt Ion: 41 Resp: 459413

Ion Ratio Lower Upper

41 100

39 98.9 83.8 125.8

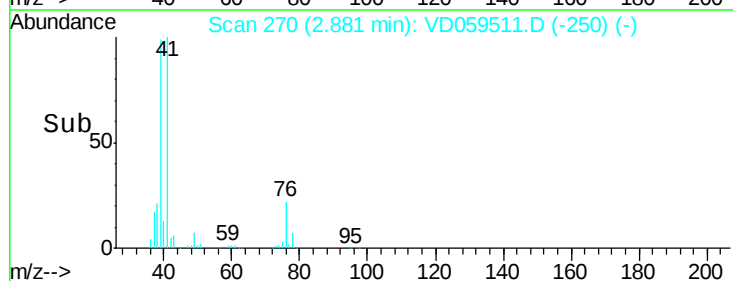
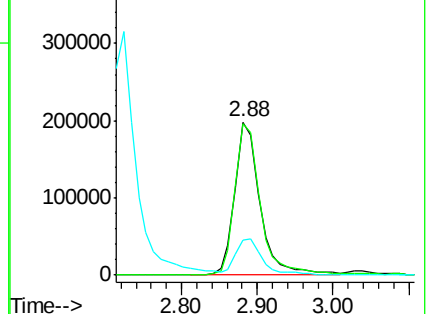
76 22.5 18.4 27.6

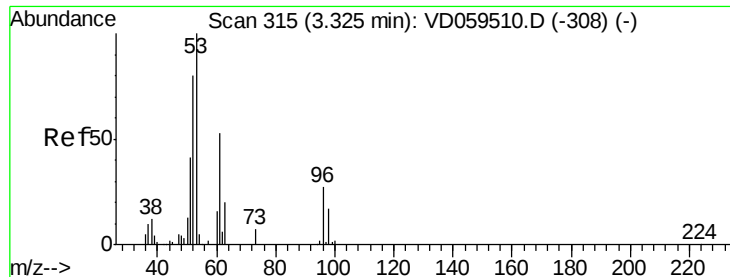


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 404.807 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

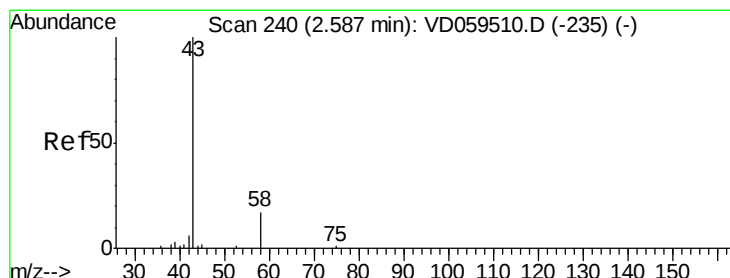
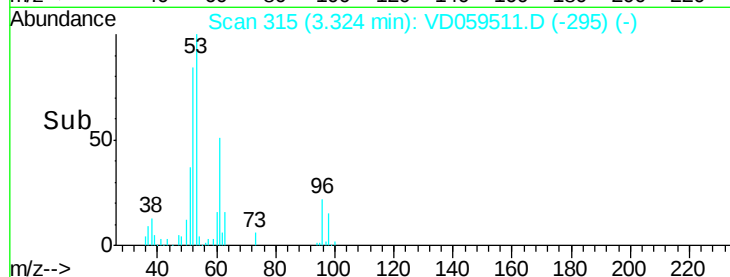
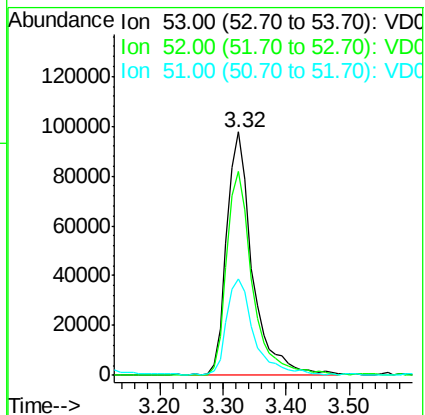
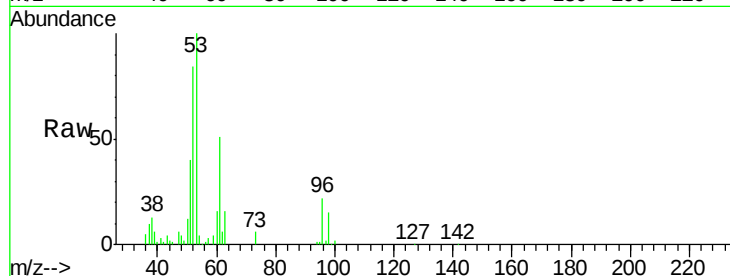
Tgt Ion: 53 Resp: 277101

Ion Ratio Lower Upper

53 100

52 83.6 64.3 96.5

51 39.8 33.0 49.4



#16

Acetone

Concen: 450.287 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059511.D

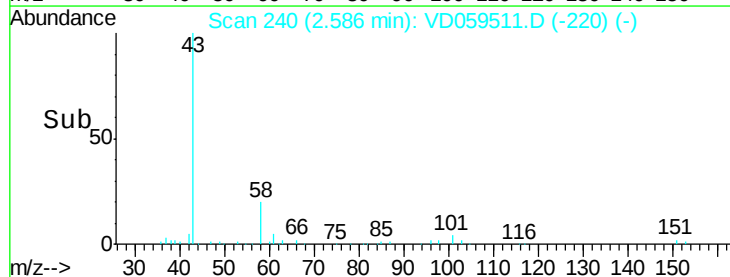
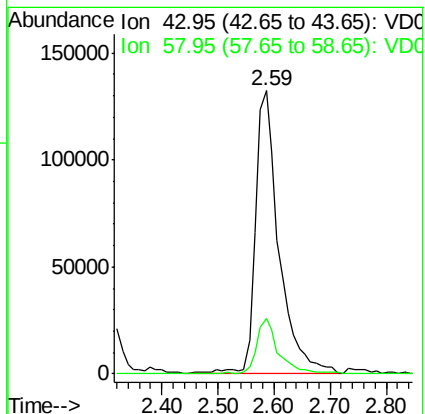
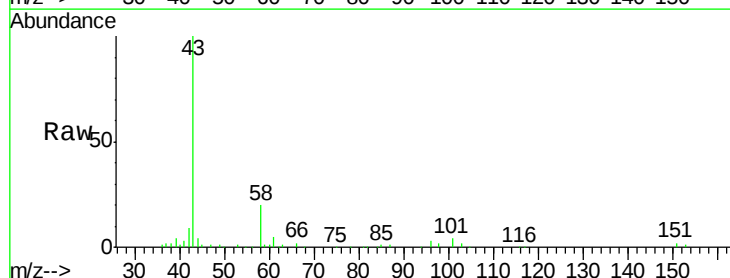
Acq: 2 Jul 2018 19:01

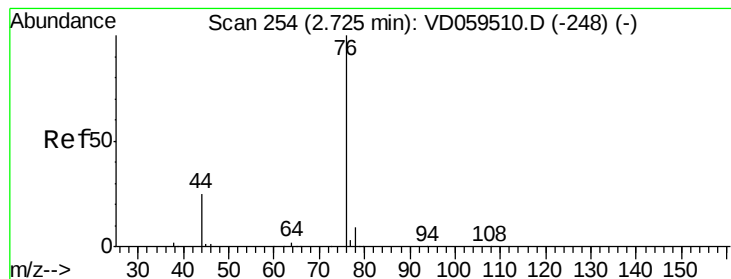
Tgt Ion: 43 Resp: 383557

Ion Ratio Lower Upper

43 100

58 19.6 13.8 20.8





#17

Carbon Disulfide

Concen: 101.422 ug/l

RT: 2.72 min Scan# 254

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

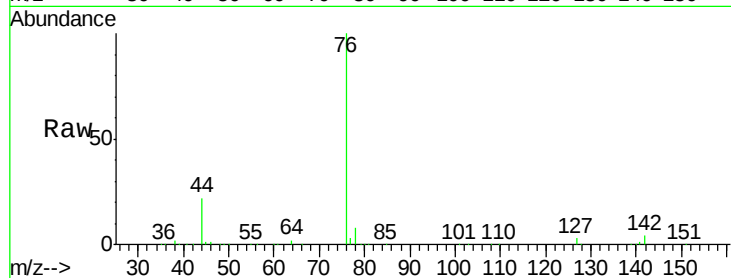
VSTDIC075

Tgt Ion: 76 Resp: 706330

Ion Ratio Lower Upper

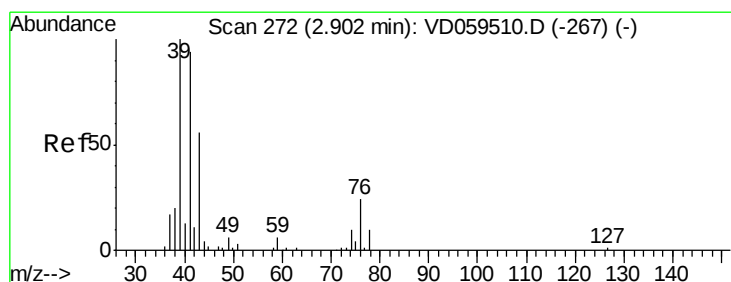
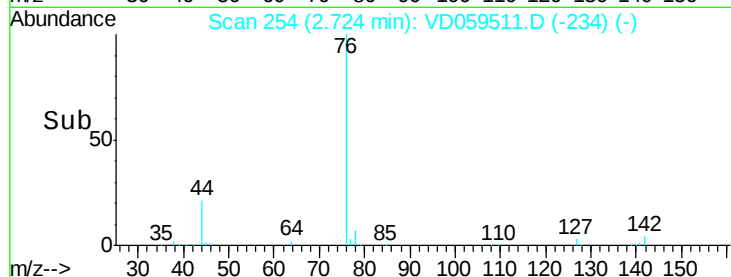
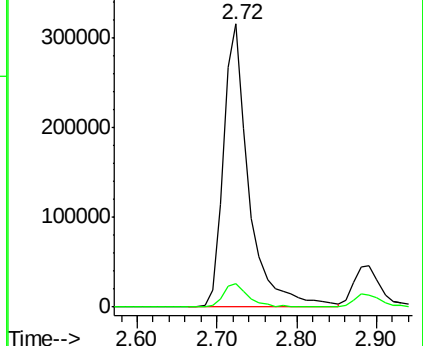
76 100

78 8.2 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 73.683 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059511.D

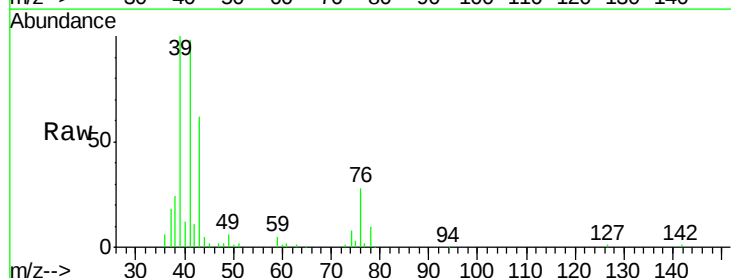
Acq: 2 Jul 2018 19:01

Tgt Ion: 43 Resp: 151660

Ion Ratio Lower Upper

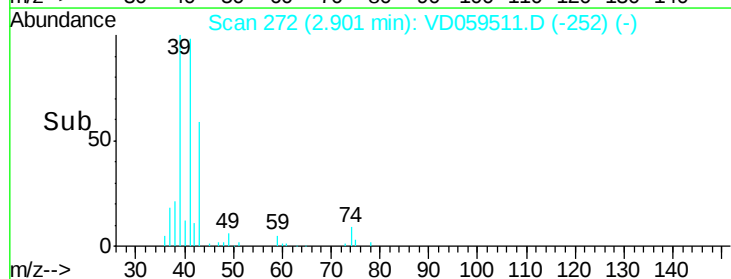
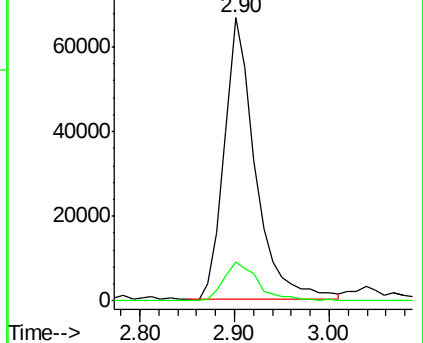
43 100

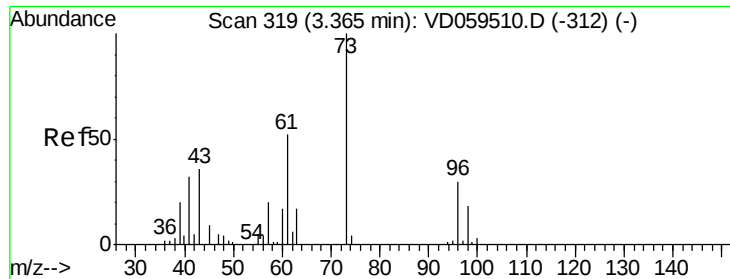
74 13.7 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

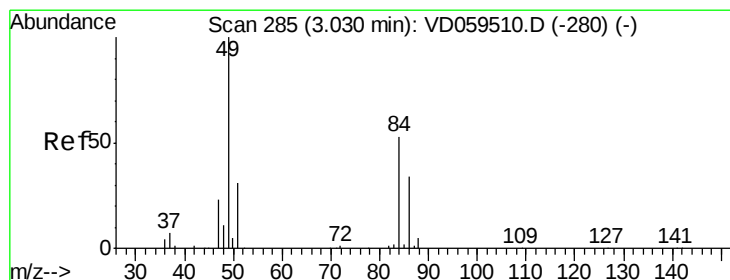
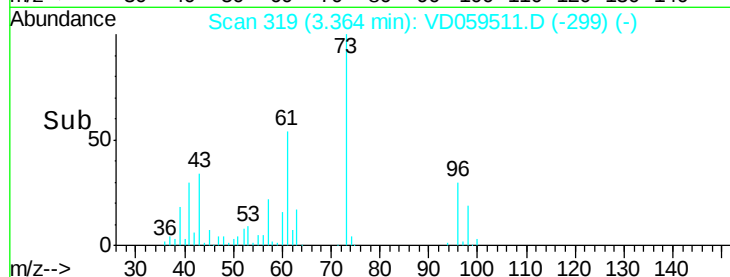
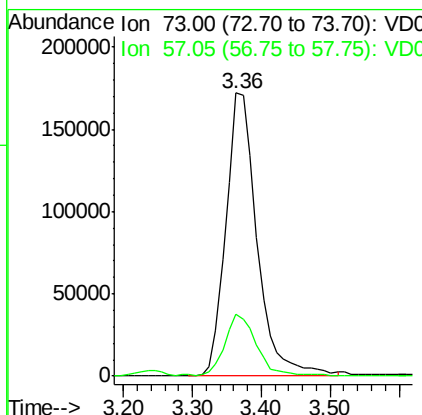
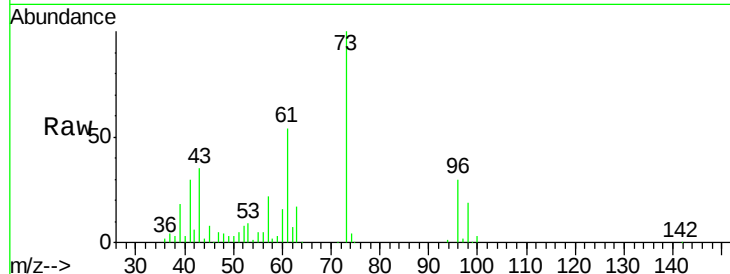




#19
Methyl tert-butyl Ether
Concen: 56.454 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

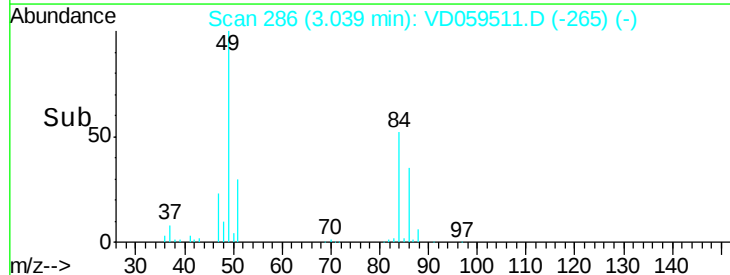
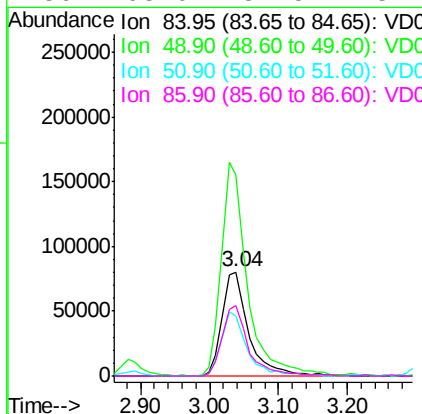
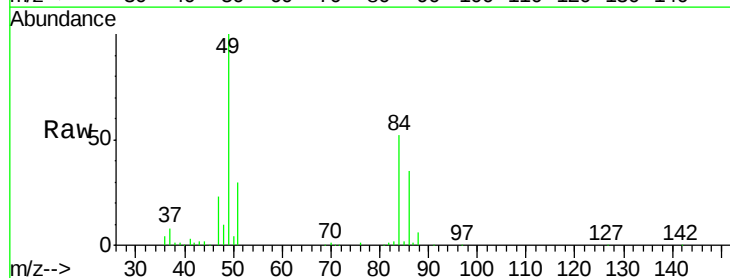
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

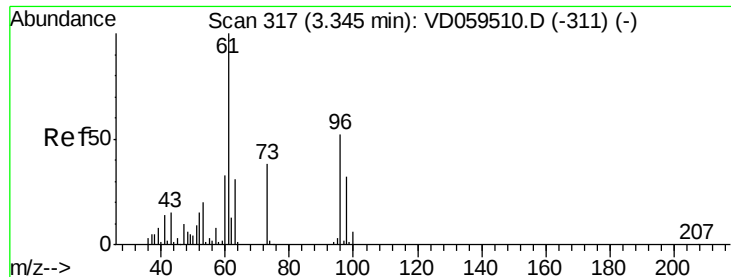
Tgt Ion: 73 Resp: 541453
Ion Ratio Lower Upper
73 100
57 21.9 16.5 24.7



#20
Methylene Chloride
Concen: 79.924 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 84 Resp: 216710
Ion Ratio Lower Upper
84 100
49 194.0 152.2 228.2
51 57.9 46.5 69.7
86 68.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 63.923 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

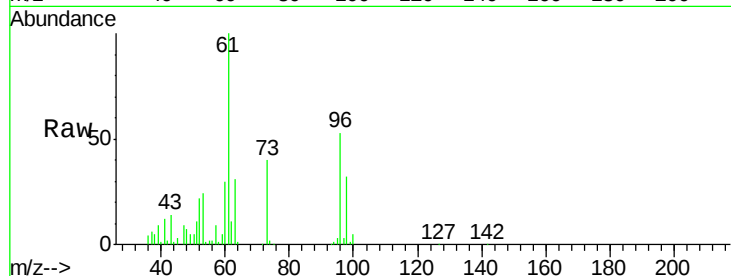
Tgt Ion: 96 Resp: 227694

Ion Ratio Lower Upper

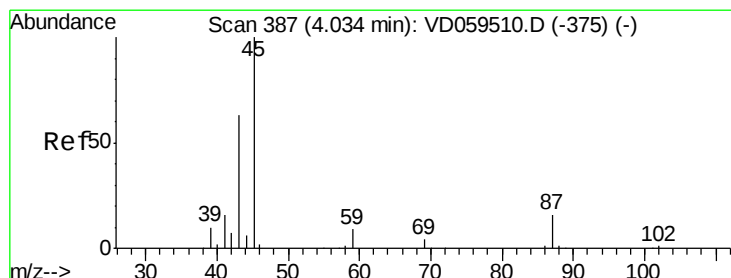
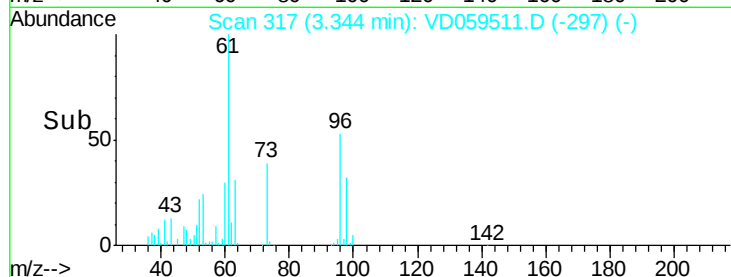
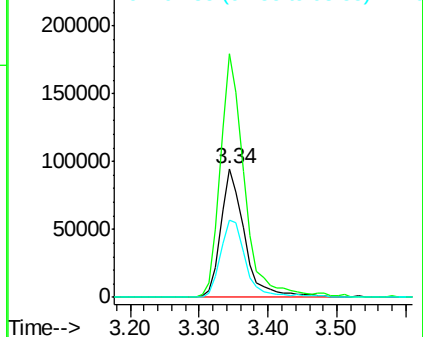
96 100

61 189.2 154.7 232.1

98 60.3 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: 84.567 ug/l

RT: 4.03 min Scan# 387

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Tgt Ion: 45 Resp: 1581896

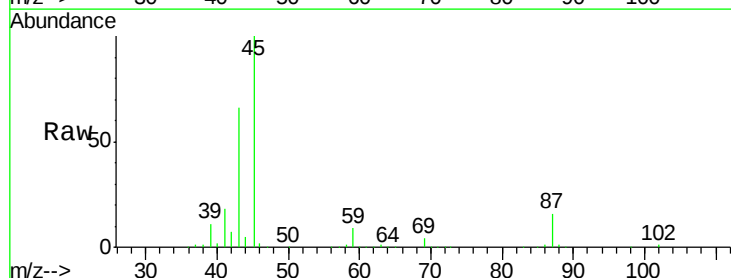
Ion Ratio Lower Upper

45 100

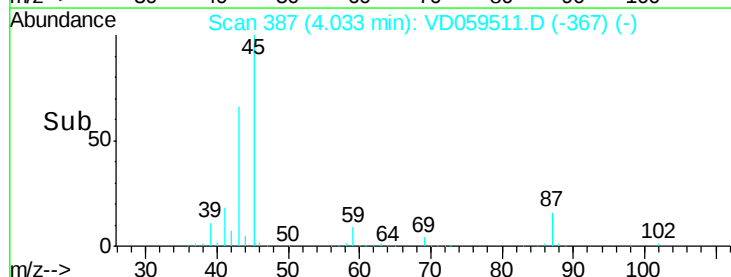
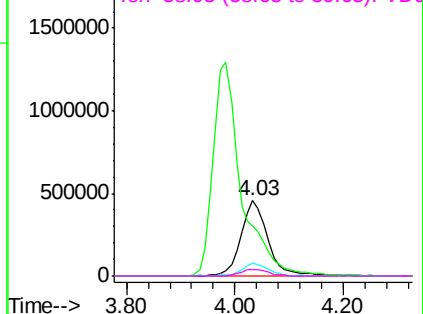
43 66.3 50.7 76.1

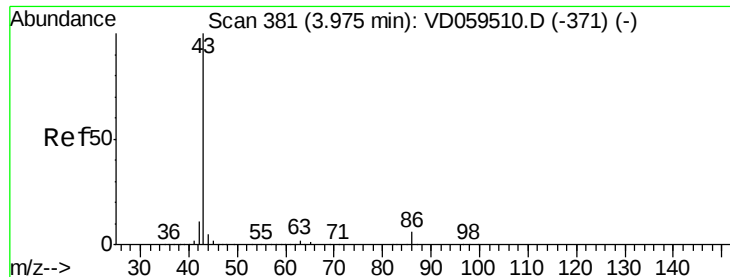
87 16.3 13.4 20.0

59 8.7 7.4 11.0



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





#23

Vinyl Acetate

Concen: 466.229 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampled :

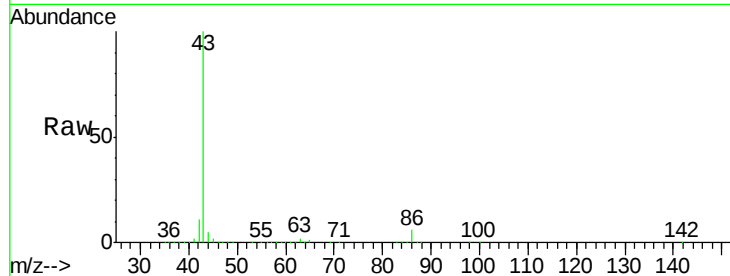
VSTDIC075

Tgt Ion: 43 Resp: 4630729

Ion Ratio Lower Upper

43 100

86 6.0 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1500000

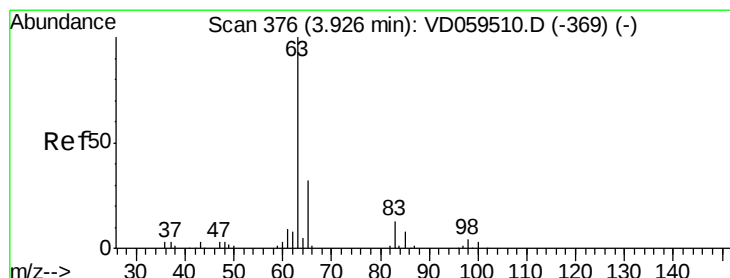
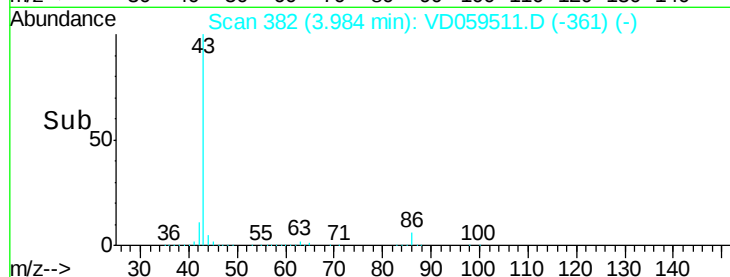
1000000

500000

0

3.98

Time-->



#24

1,1-Dichloroethane

Concen: 82.117 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

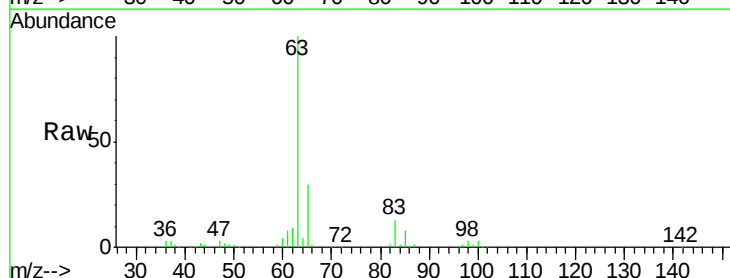
Tgt Ion: 63 Resp: 882900

Ion Ratio Lower Upper

63 100

98 3.5 2.0 5.8

100 2.8 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

400000

300000

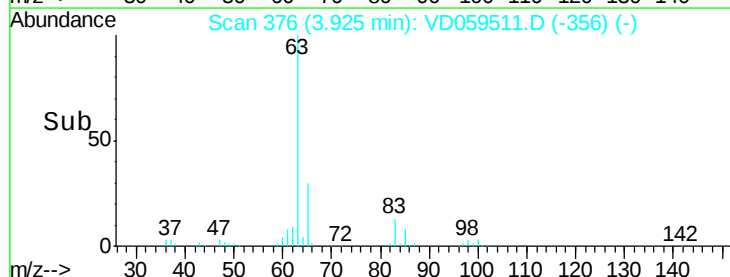
200000

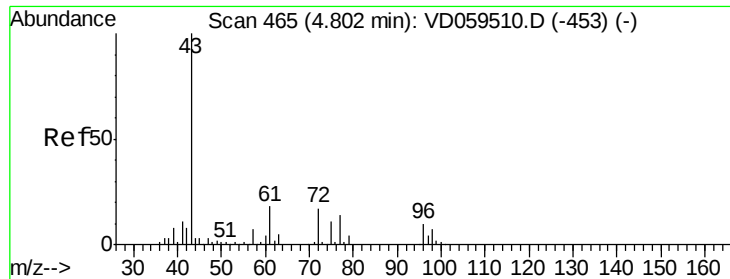
100000

0

3.92

Time-->





#25

2-Butanone

Concen: 447.189 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

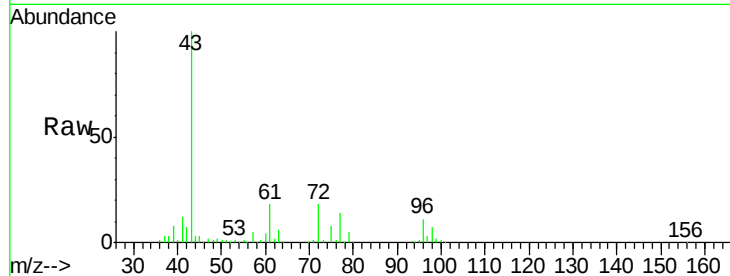
VSTDIC075

Tgt Ion: 43 Resp: 792286

Ion Ratio Lower Upper

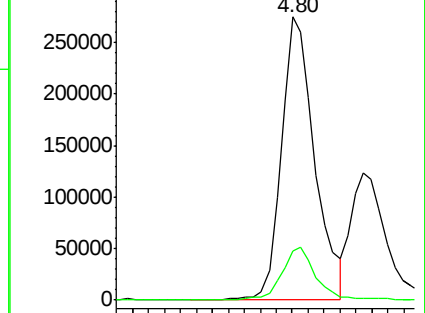
43 100

72 17.5 13.8 20.8

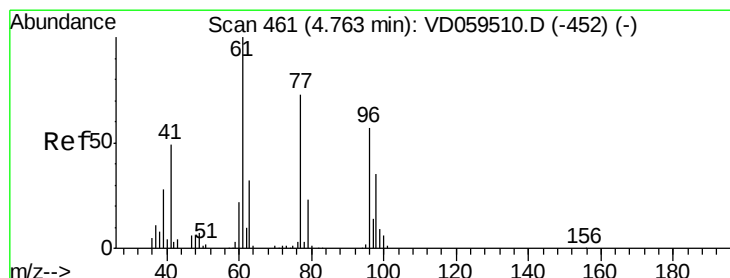
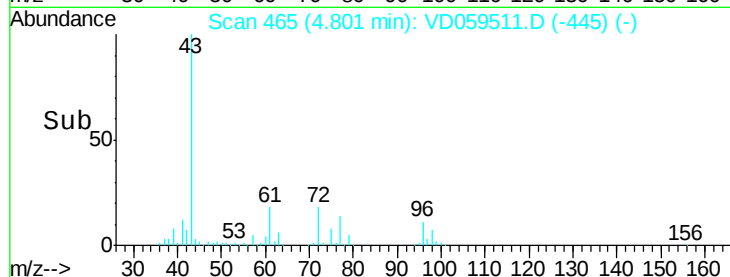


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 85.783 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059511.D

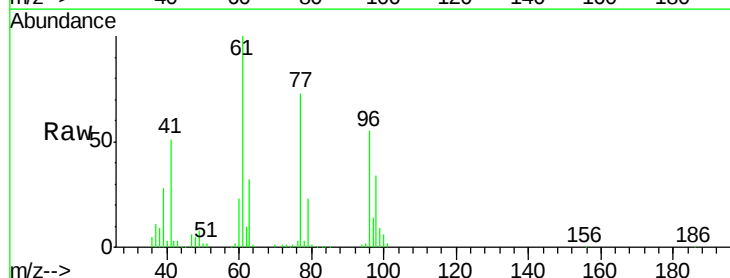
Acq: 2 Jul 2018 19:01

Tgt Ion: 77 Resp: 719332

Ion Ratio Lower Upper

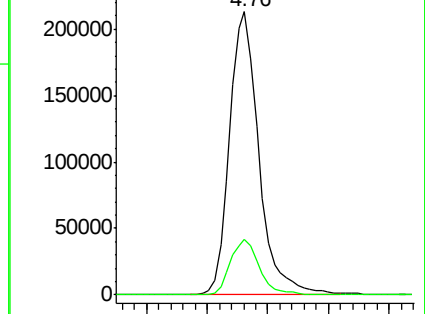
77 100

97 19.5 9.5 28.5

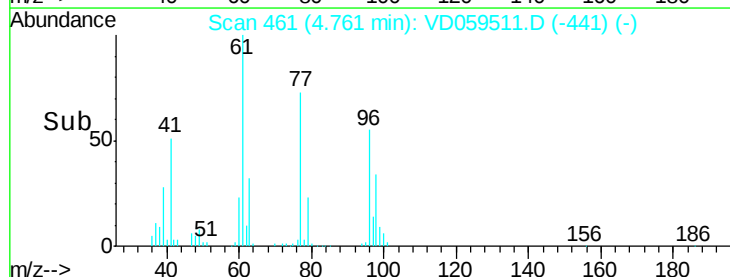


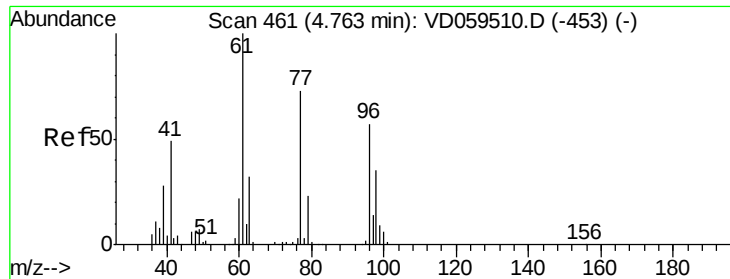
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



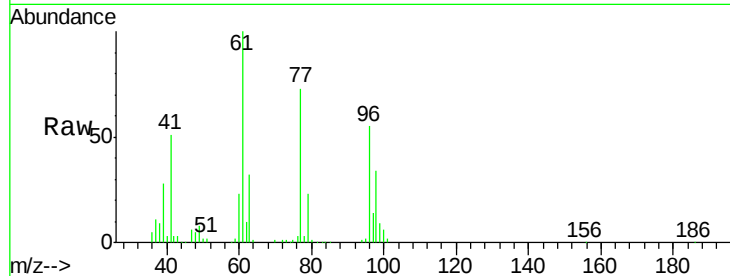


#27

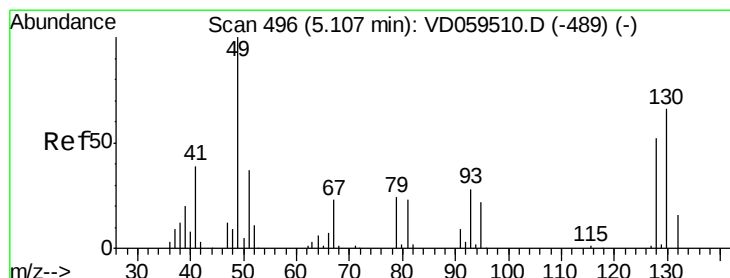
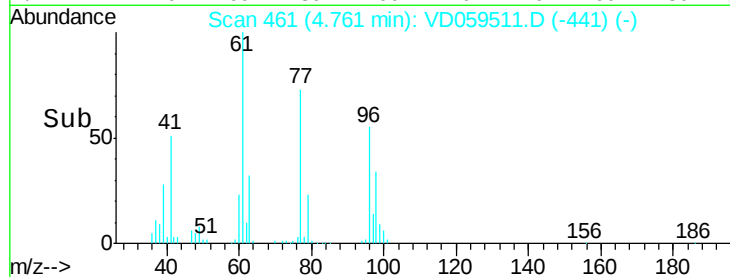
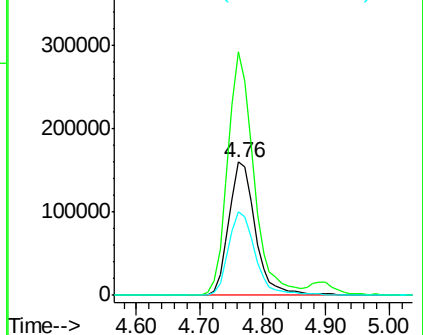
cis-1,2-Dichloroethene
 Concen: 73.468 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 96 Resp: 466385
 Ion Ratio Lower Upper
 96 100
 61 182.5 0.0 350.8
 98 62.5 0.0 123.4



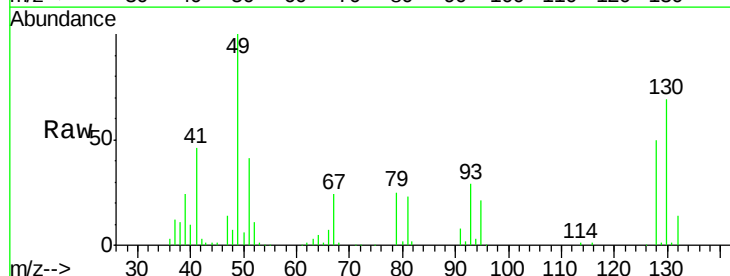
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



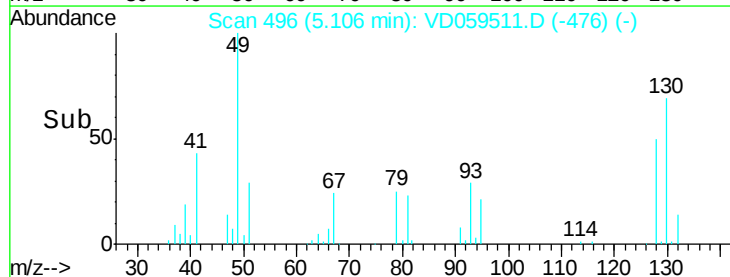
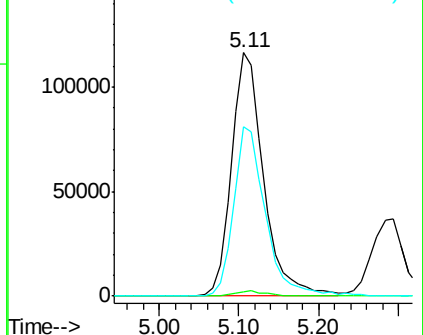
#28

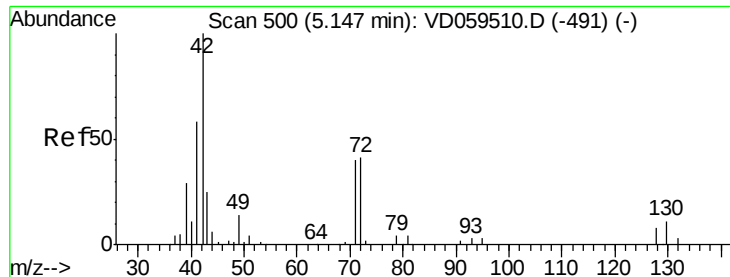
Bromochloromethane
 Concen: 74.684 ug/l
 RT: 5.11 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 49 Resp: 326273
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 4.4
 130 69.4 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

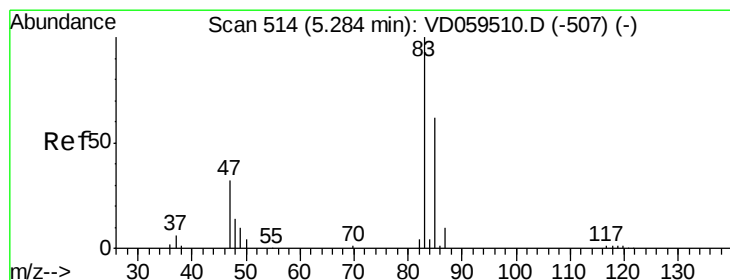
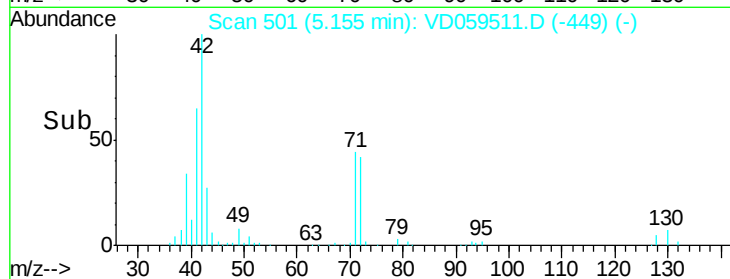
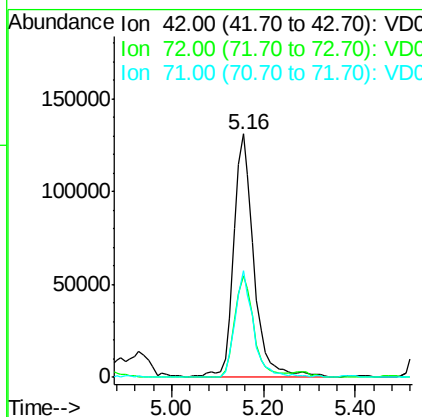
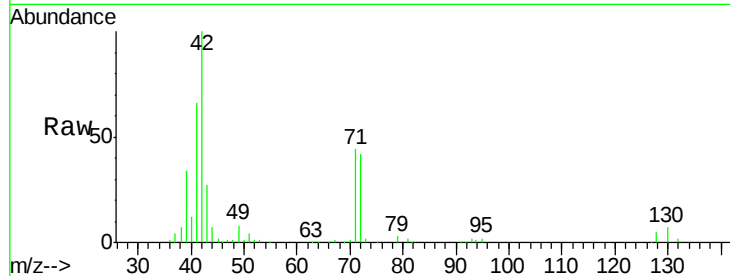




#29
Tetrahydrofuran
Concen: 417.269 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

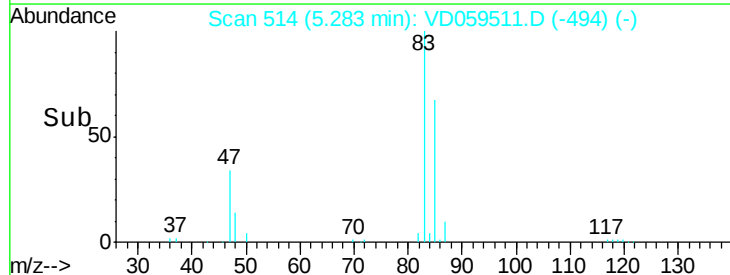
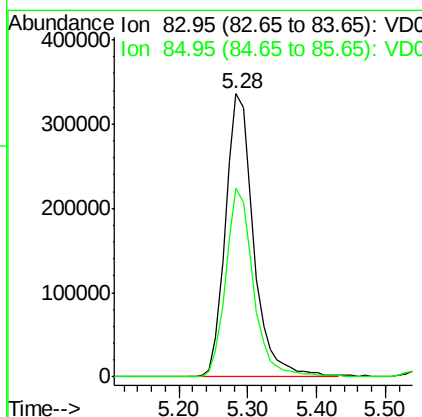
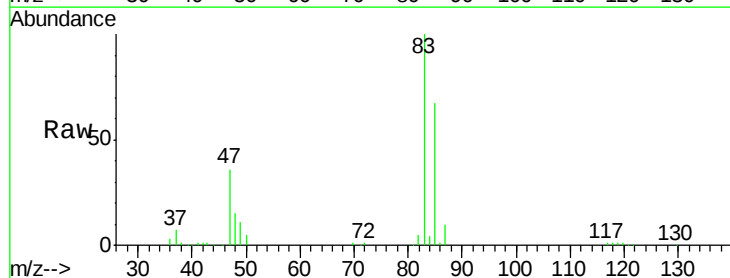
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

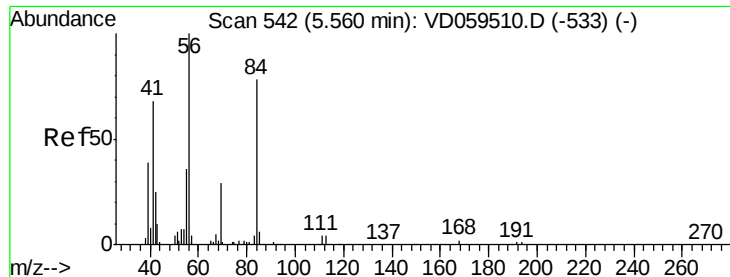
Tgt Ion: 42 Resp: 400038
Ion Ratio Lower Upper
42 100
72 40.1 32.9 49.3
71 40.7 31.6 47.4



#30
Chloroform
Concen: 82.042 ug/l
RT: 5.28 min Scan# 514
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 83 Resp: 949445
Ion Ratio Lower Upper
83 100
85 66.6 49.8 74.6

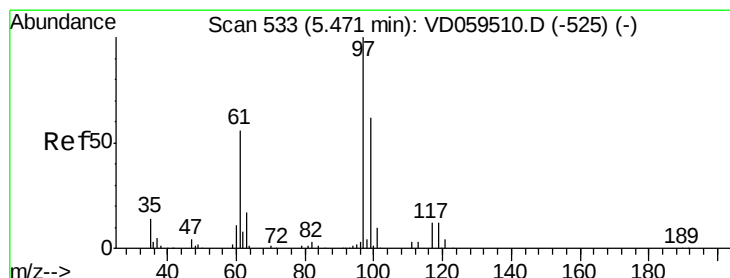
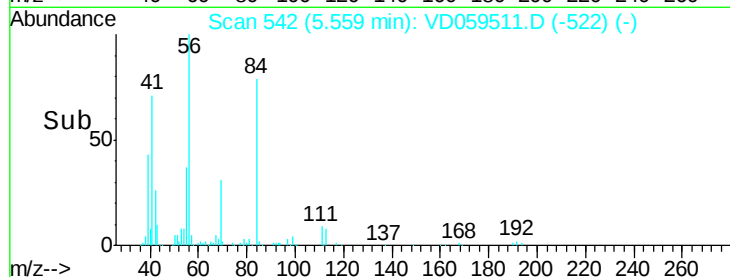
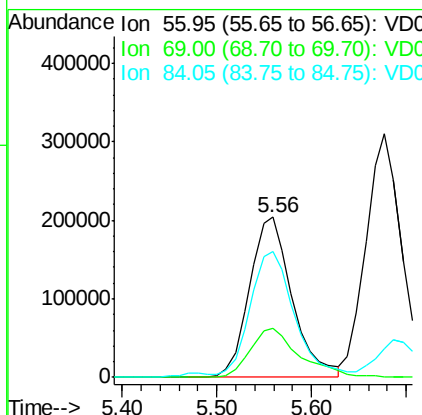
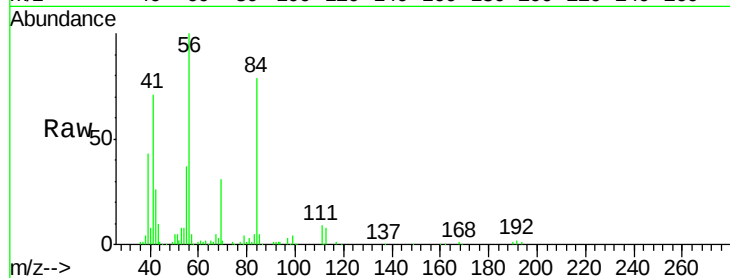




#31
Cyclohexane
Concen: 78.598 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

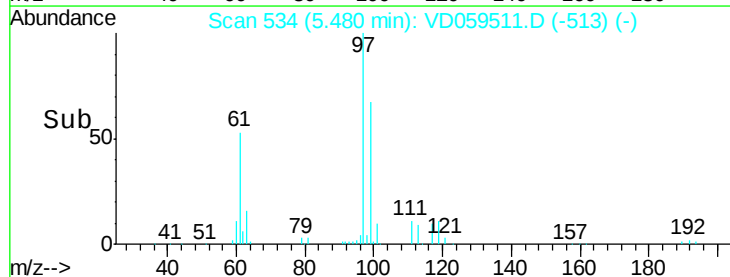
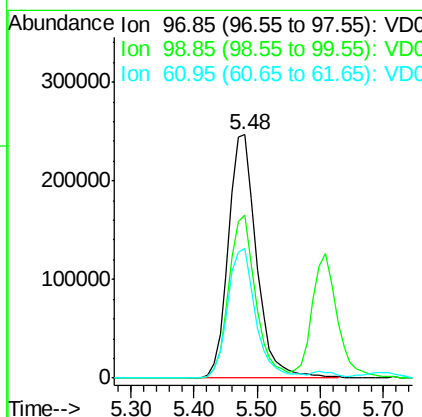
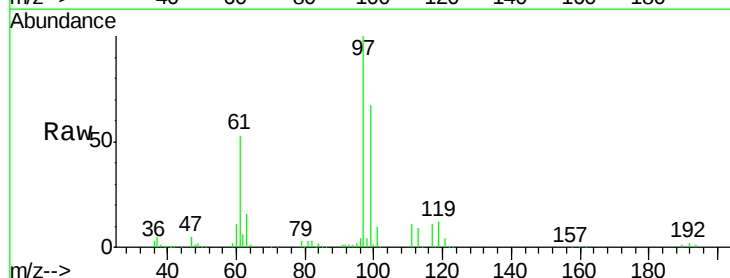
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

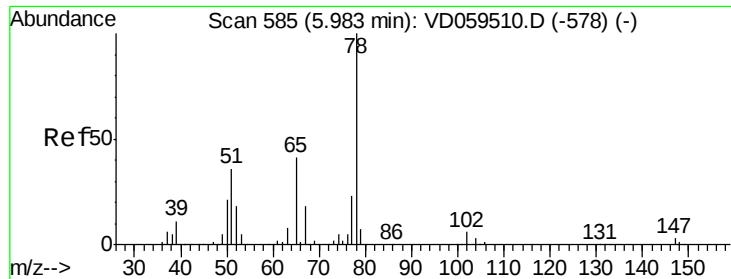
Tgt Ion: 56 Resp: 638218
Ion Ratio Lower Upper
56 100
69 30.7 22.9 34.3
84 79.0 63.4 95.0



#32
1,1,1-Trichloroethane
Concen: 82.010 ug/l
RT: 5.48 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 97 Resp: 762653
Ion Ratio Lower Upper
97 100
99 66.9 49.6 74.4
61 53.3 44.8 67.2





#33

1,2-Dichloroethane-d4

Concen: 82.010 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

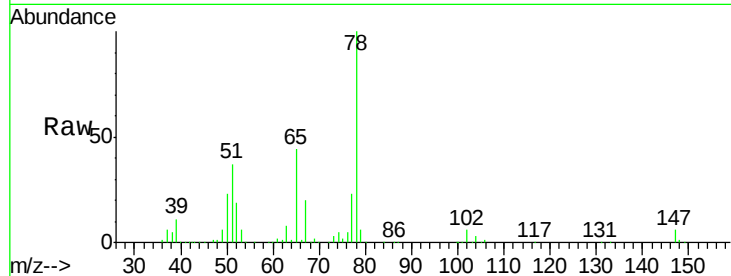
VSTDIC075

Tgt Ion: 65 Resp: 587801

Ion Ratio Lower Upper

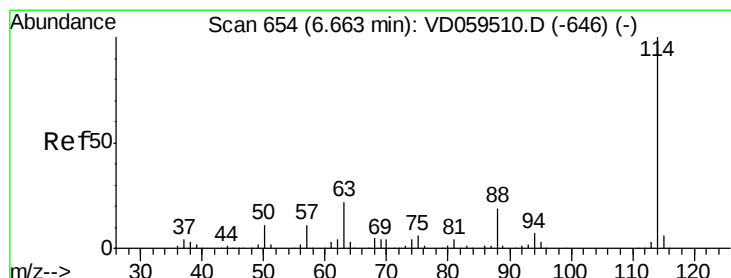
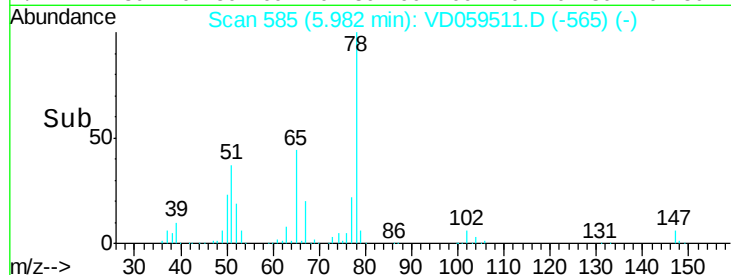
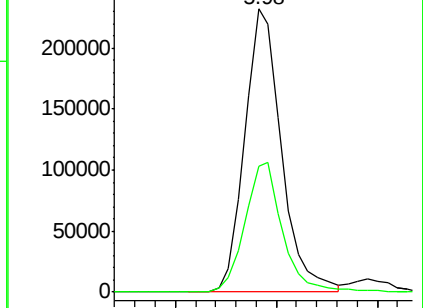
65 100

67 44.7 0.0 90.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

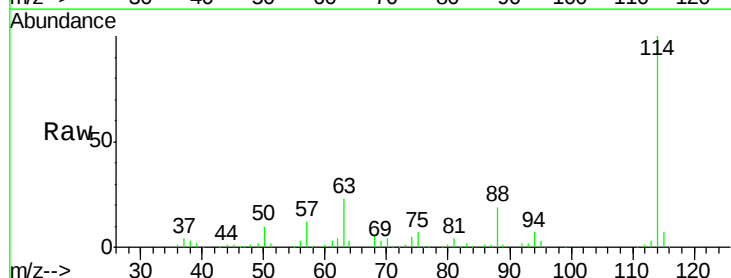
Tgt Ion: 114 Resp: 876144

Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.4

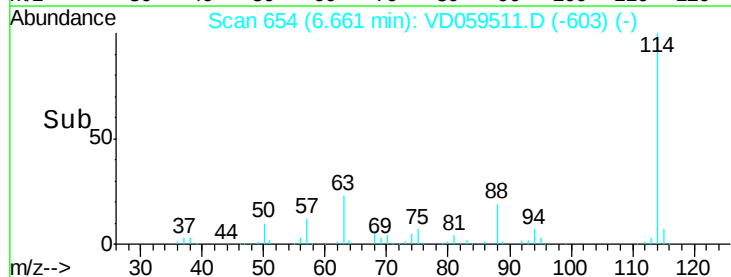
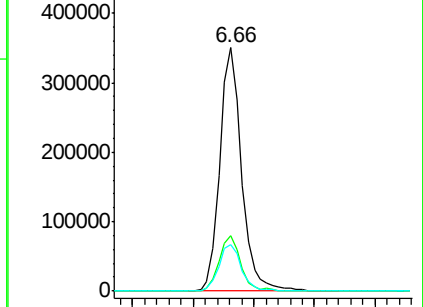
88 19.3 0.0 37.8

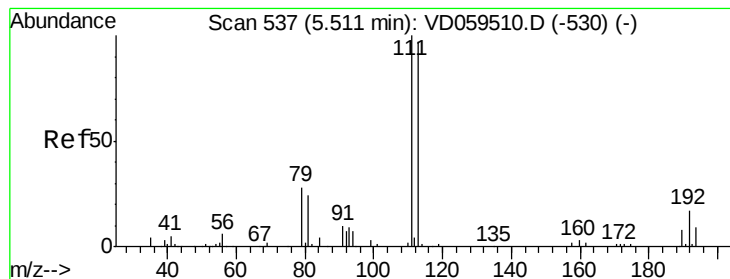


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

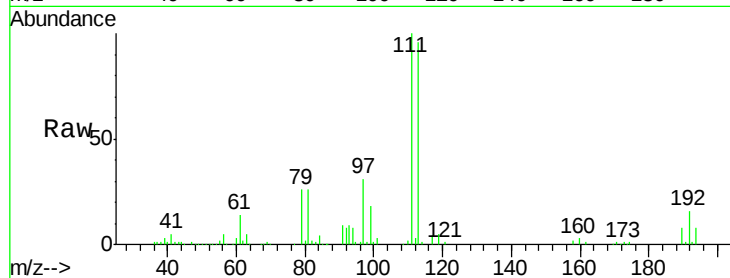
Tgt Ion:113 Resp: 542886

Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

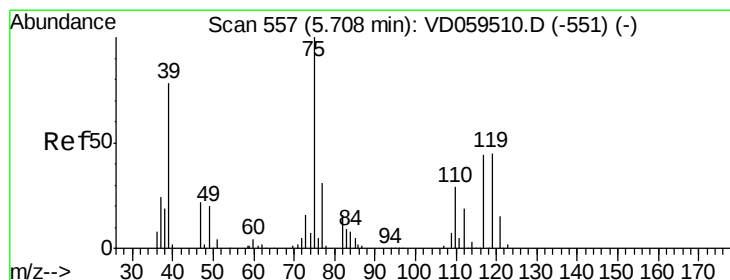
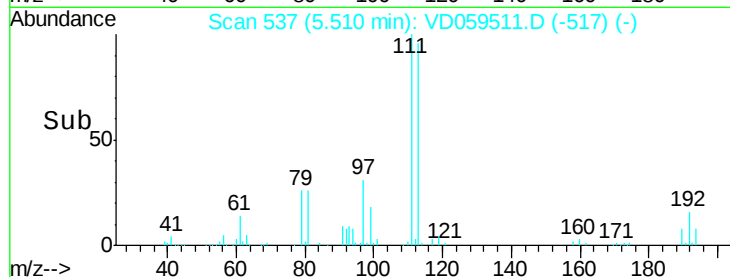
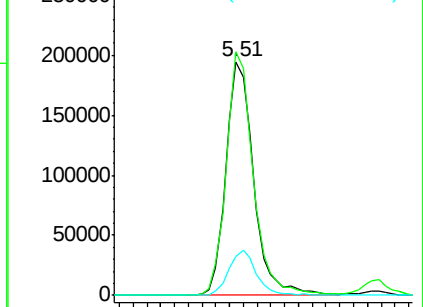
192 16.8 14.2 21.2



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 76.235 ug/l

RT: 5.71 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

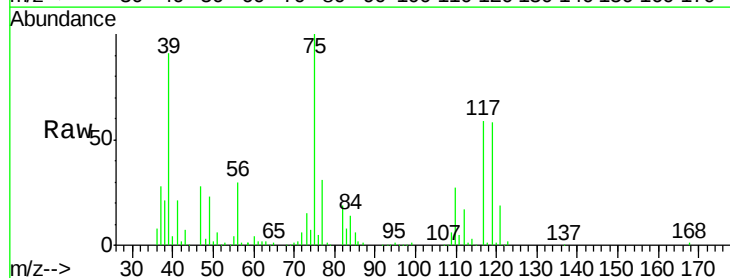
Tgt Ion: 75 Resp: 638395

Ion Ratio Lower Upper

75 100

110 27.0 14.4 43.4

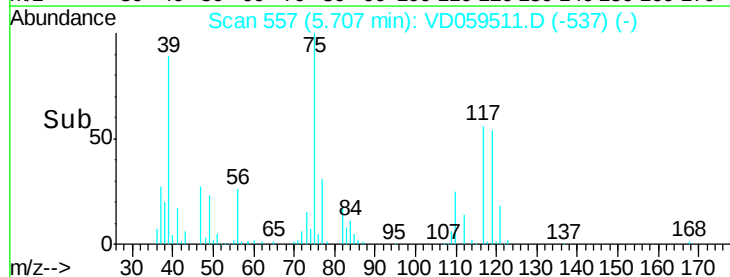
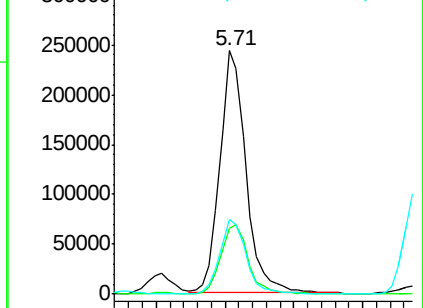
77 30.8 25.0 37.6

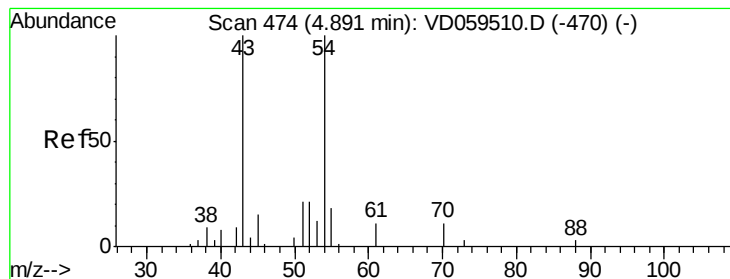


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 72.200 ug/l

RT: 4.89 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

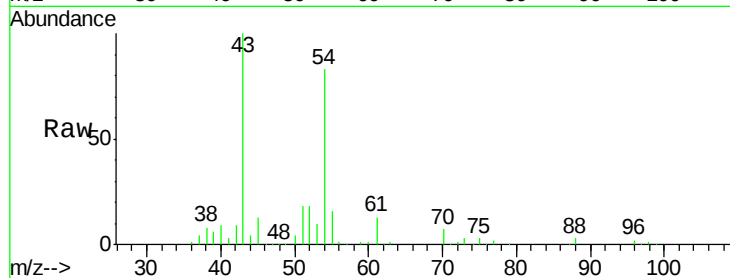
Tgt Ion: 43 Resp: 359703

Ion Ratio Lower Upper

43 100

61 13.2 11.5 17.3

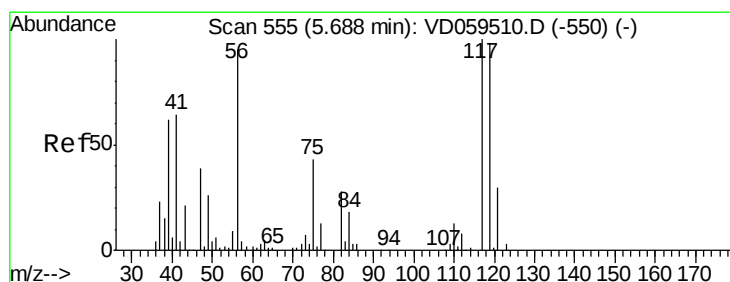
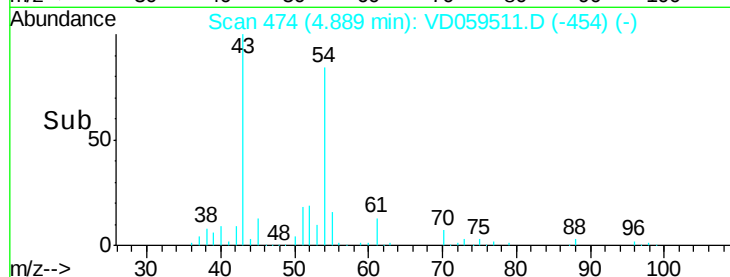
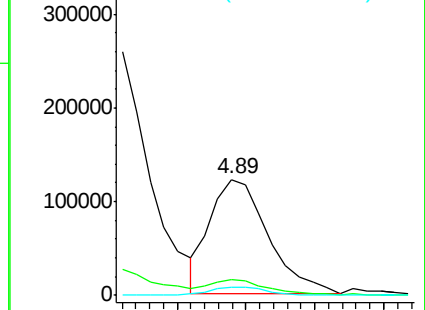
70 7.4 6.8 10.2



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: 76.826 ug/l

RT: 5.69 min Scan# 555

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

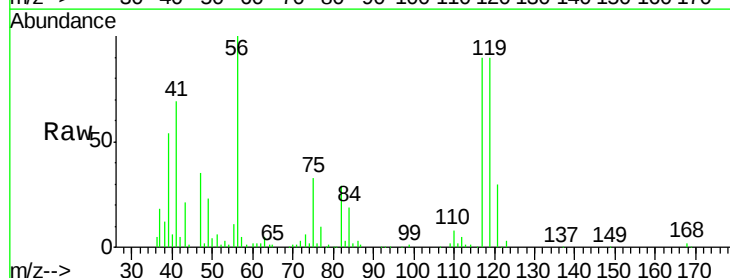
Tgt Ion: 117 Resp: 661492

Ion Ratio Lower Upper

117 100

119 99.5 76.4 114.6

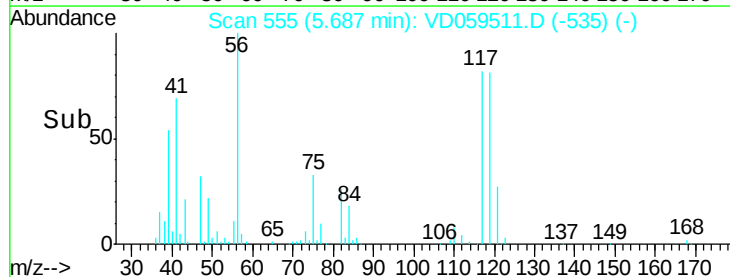
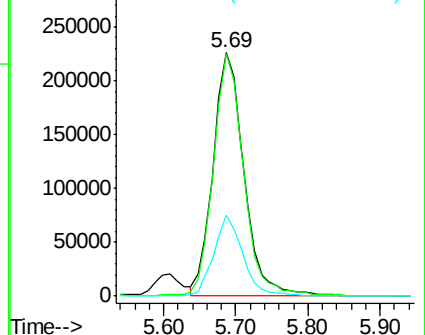
121 33.0 23.9 35.9

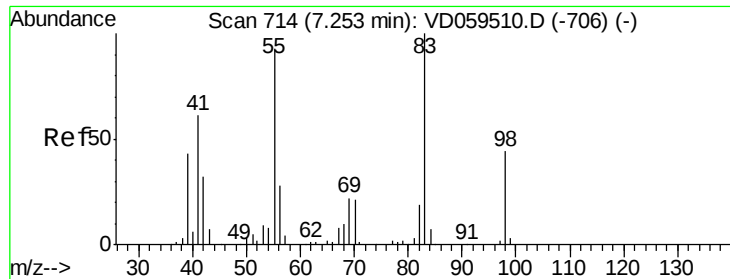


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

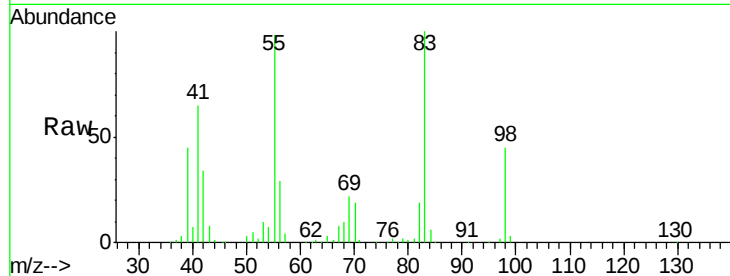




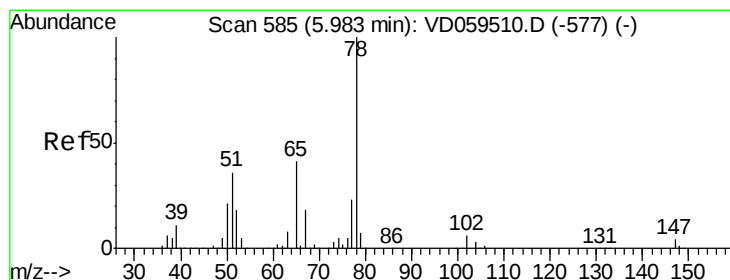
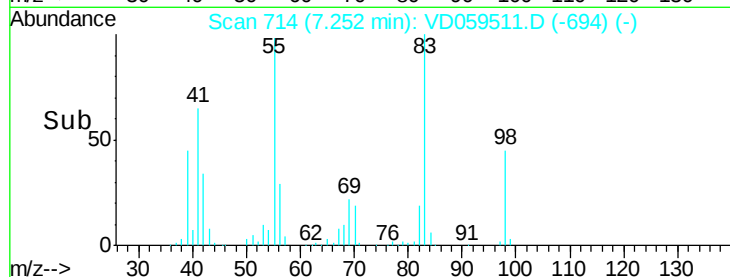
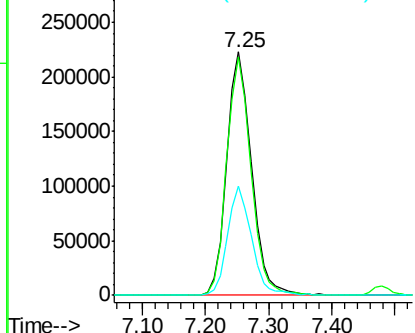
#39
Methylcyclohexane
Concen: 76.282 ug/l
RT: 7.25 min Scan# 714
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 83 Resp: 606940
Ion Ratio Lower Upper
83 100
55 98.0 74.2 111.4
98 45.0 35.5 53.3

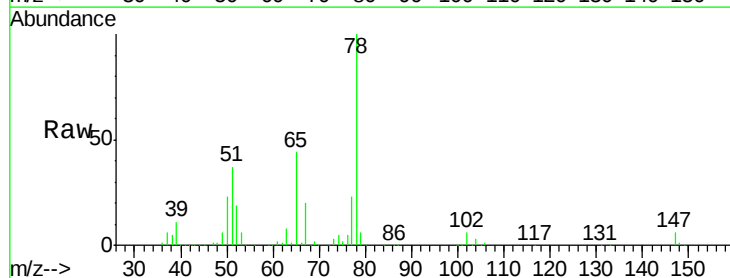


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

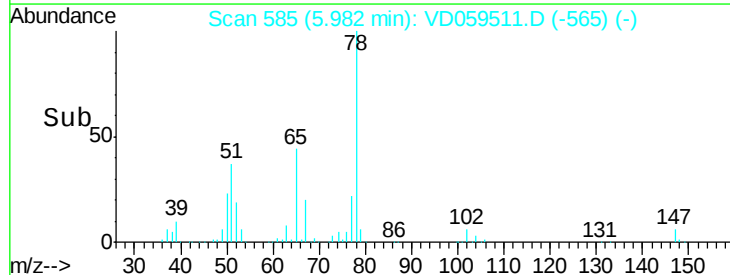
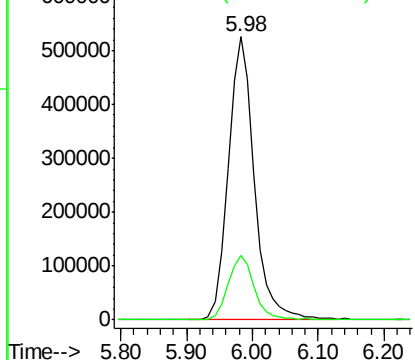


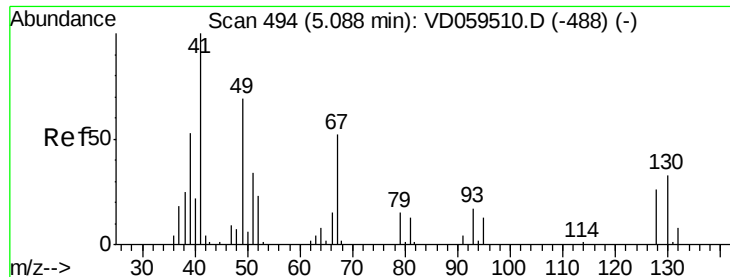
#40
Benzene
Concen: 72.452 ug/l
RT: 5.98 min Scan# 585
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 78 Resp: 1454215
Ion Ratio Lower Upper
78 100
77 22.9 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: 76.131 ug/l

RT: 5.10 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampled :

VSTDIC075

Tgt Ion: 41 Resp: 184588

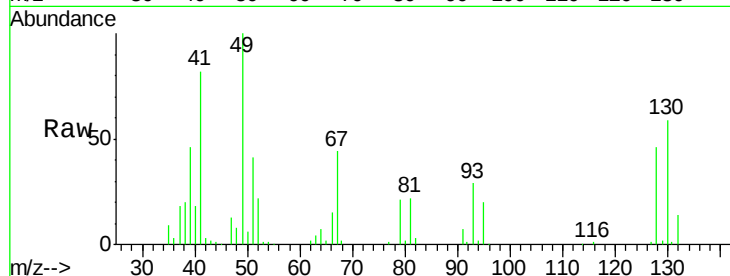
Ion Ratio Lower Upper

41 100

39 56.1 43.0 64.4

67 52.8 41.4 62.2

52 27.2 18.6 28.0

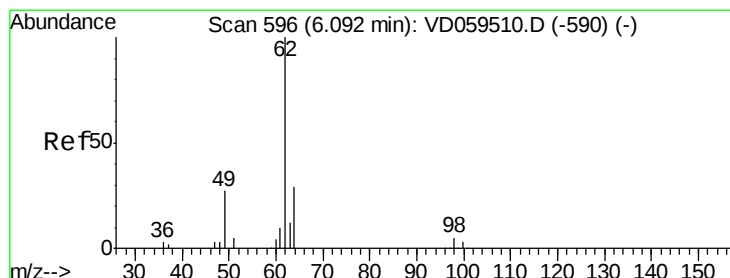
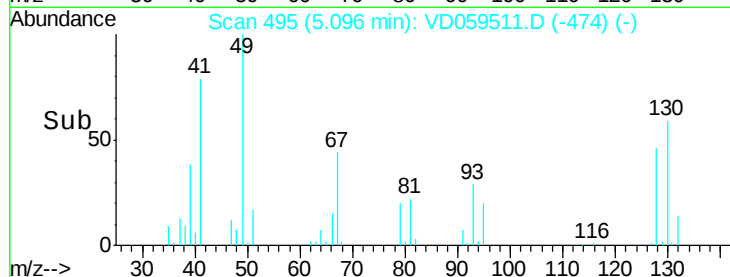
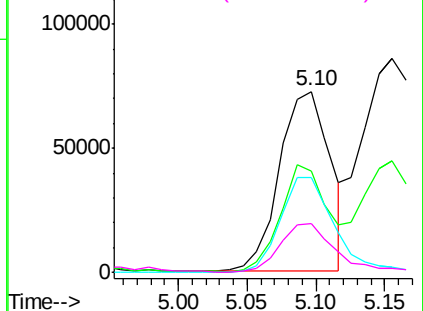


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 80.295 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD059511.D

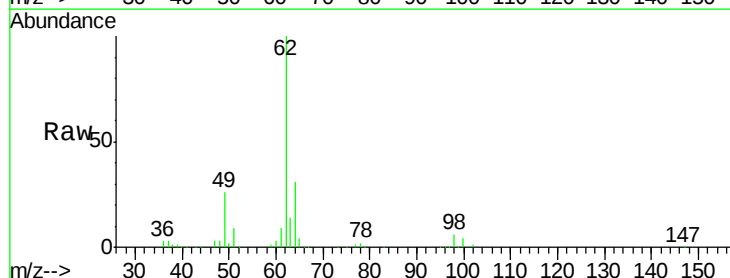
Acq: 2 Jul 2018 19:01

Tgt Ion: 62 Resp: 707117

Ion Ratio Lower Upper

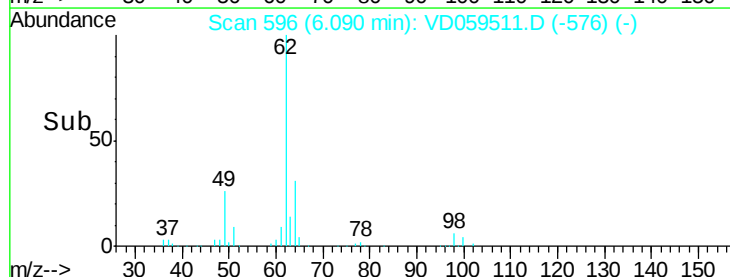
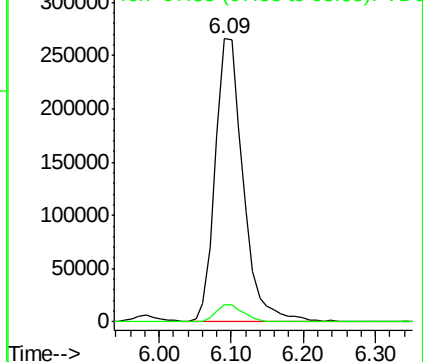
62 100

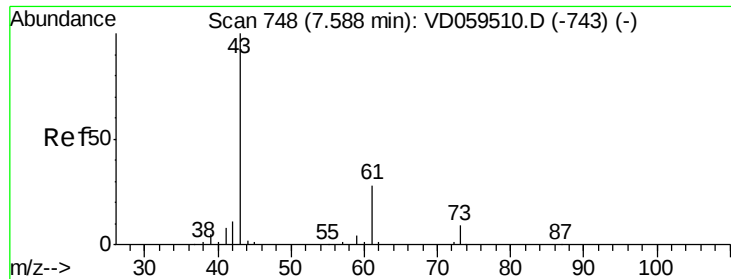
98 6.1 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 81.061 ug/l

RT: 7.59 min Scan# 748

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

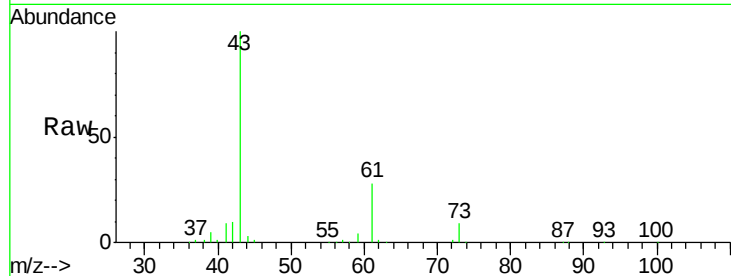
Tgt Ion: 43 Resp: 513995

Ion Ratio Lower Upper

43 100

61 27.8 22.3 33.5

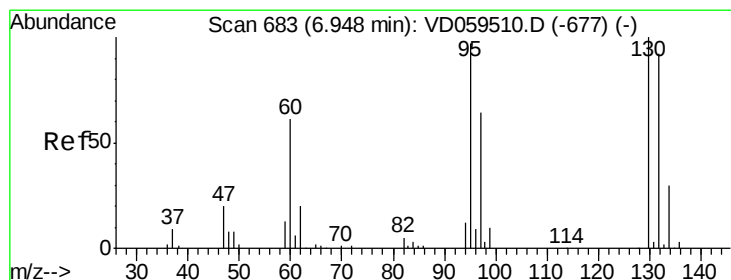
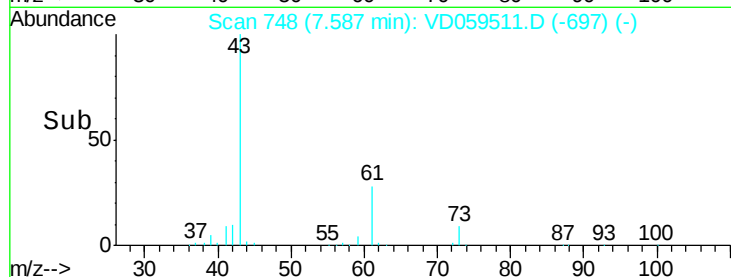
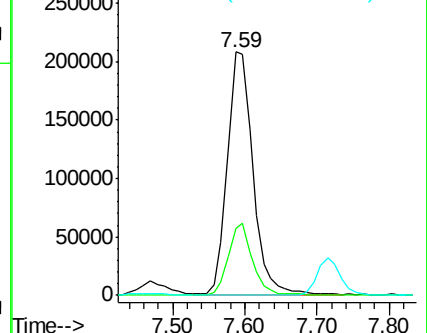
87 0.2 0.4 0.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 70.204 ug/l

RT: 6.95 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD059511.D

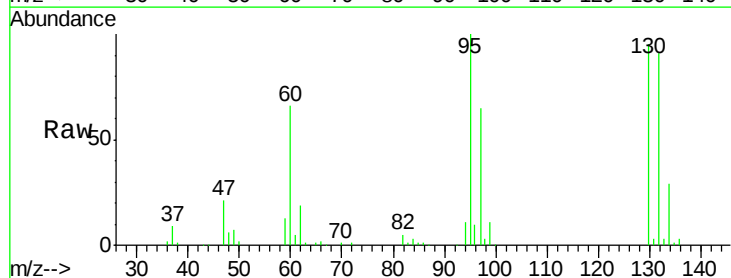
Acq: 2 Jul 2018 19:01

Tgt Ion:130 Resp: 456946

Ion Ratio Lower Upper

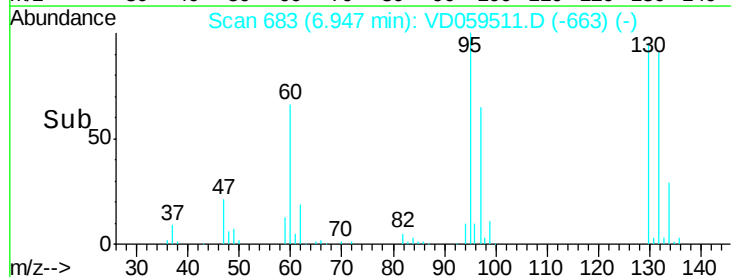
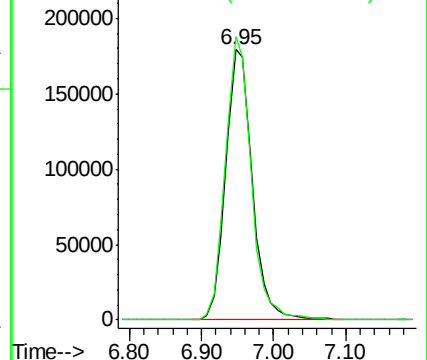
130 100

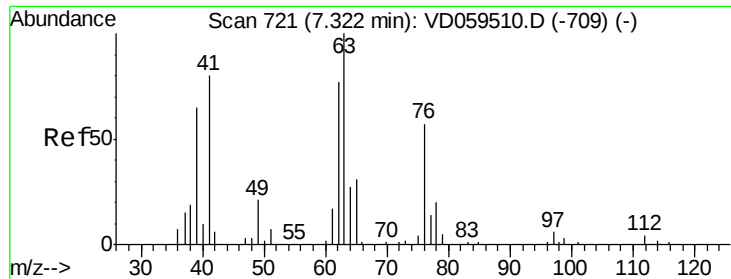
95 104.7 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

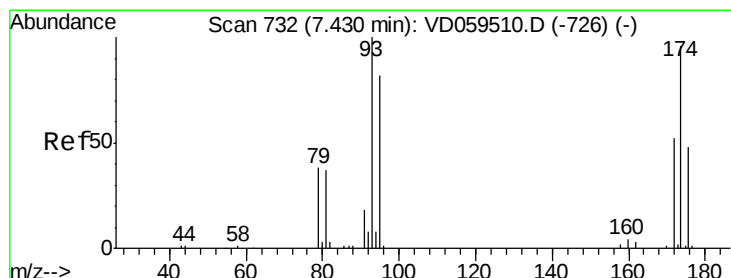
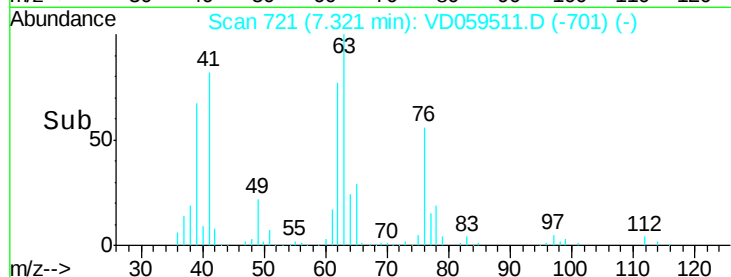
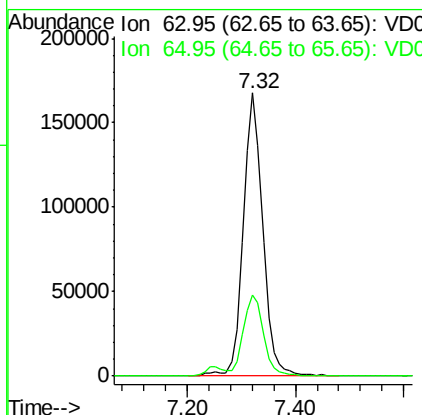
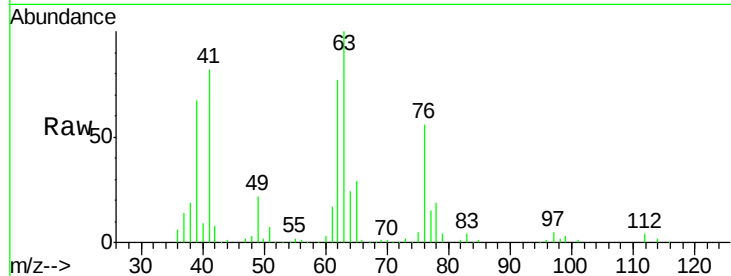




#45
1,2-Dichloropropane
Concen: 76.174 ug/l
RT: 7.32 min Scan# 721
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

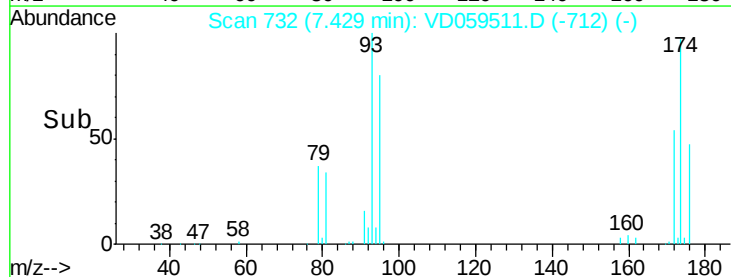
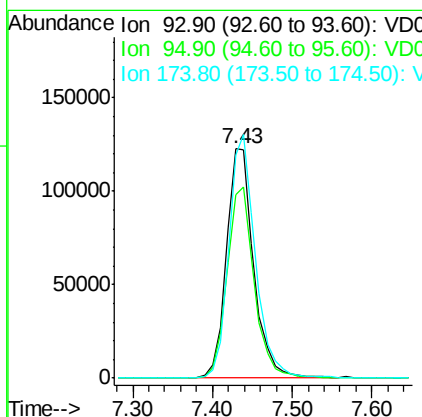
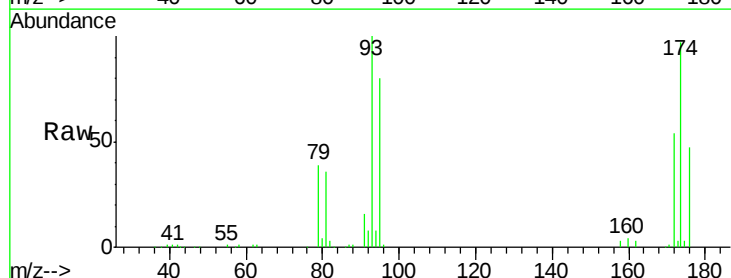
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

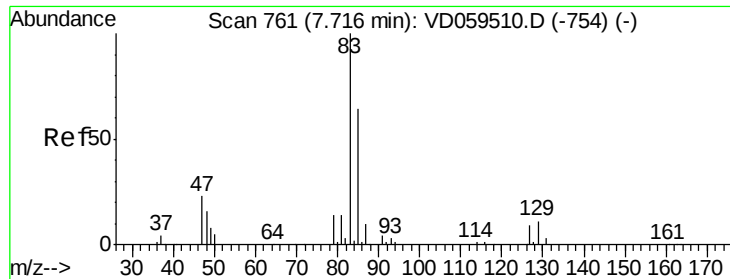
Tgt Ion: 63 Resp: 421222
Ion Ratio Lower Upper
63 100
65 28.5 24.4 36.6



#46
Dibromomethane
Concen: 75.349 ug/l
RT: 7.43 min Scan# 732
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 93 Resp: 295055
Ion Ratio Lower Upper
93 100
95 80.1 65.7 98.5
174 97.2 77.2 115.8





#47

Bromodichloromethane

Concen: 79.986 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

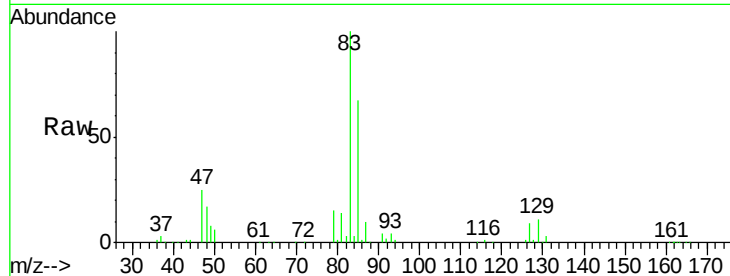
Tgt Ion: 83 Resp: 704948

Ion Ratio Lower Upper

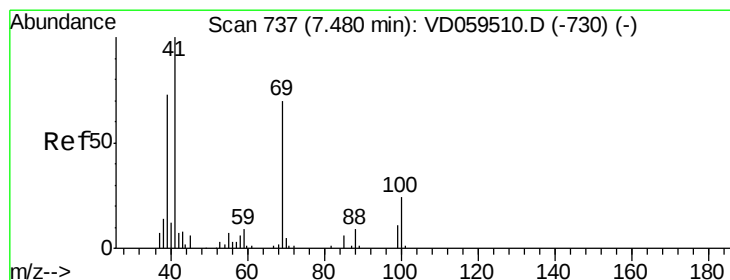
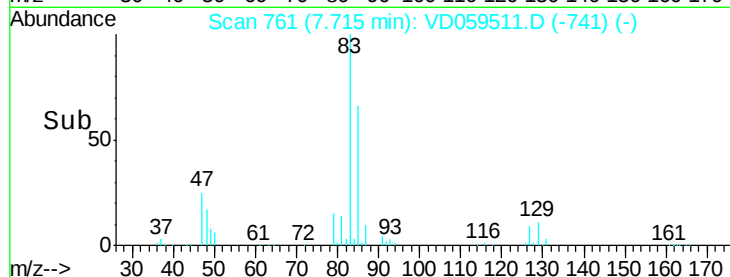
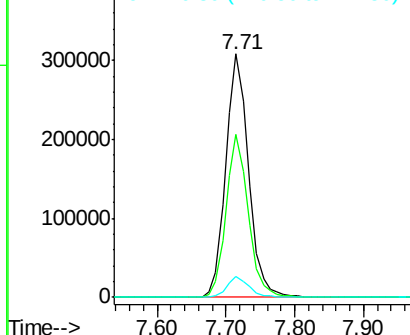
83 100

85 66.7 51.0 76.4

127 8.7 7.0 10.6



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



#48

Methyl methacrylate

Concen: 81.601 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

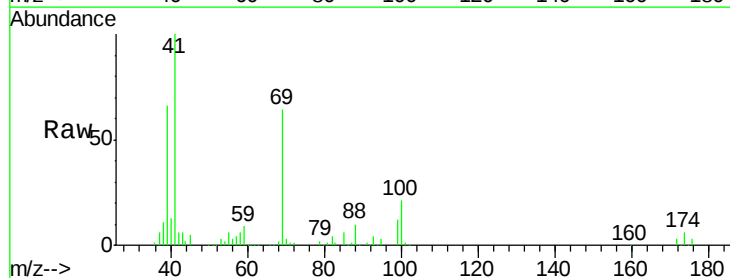
Tgt Ion: 41 Resp: 318049

Ion Ratio Lower Upper

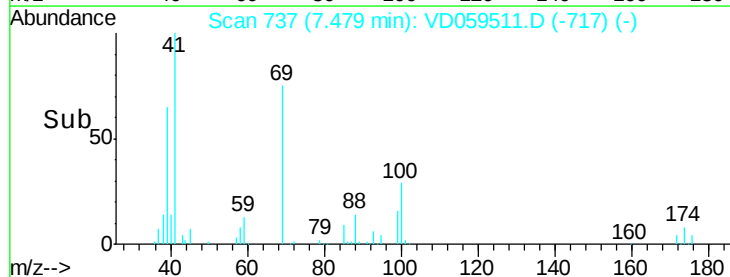
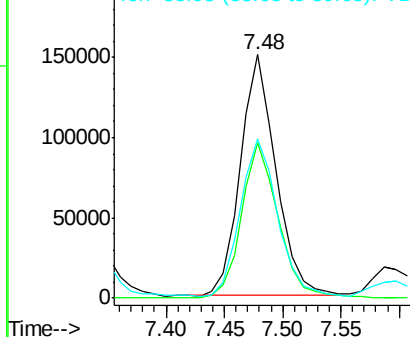
41 100

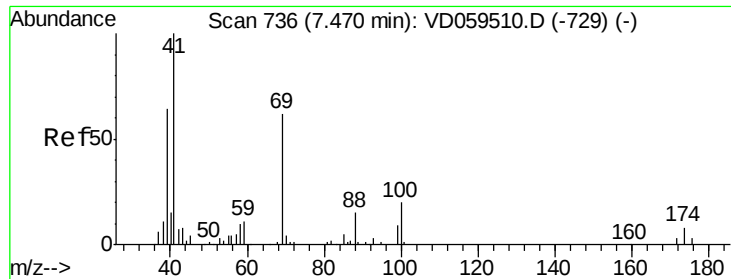
69 63.6 55.8 83.8

39 65.6 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: 1558.707 ug/l

RT: 7.47 min Scan# 736

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

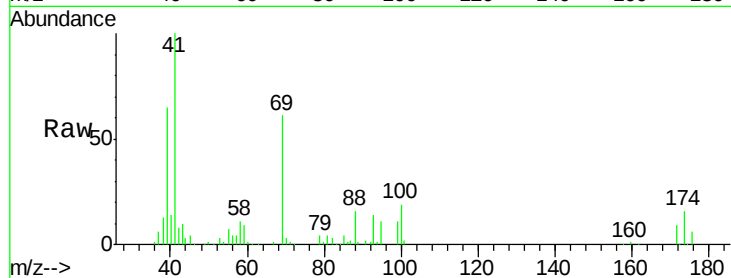
Tgt Ion: 88 Resp: 60426

Ion Ratio Lower Upper

88 100

43 65.2 41.4 62.0#

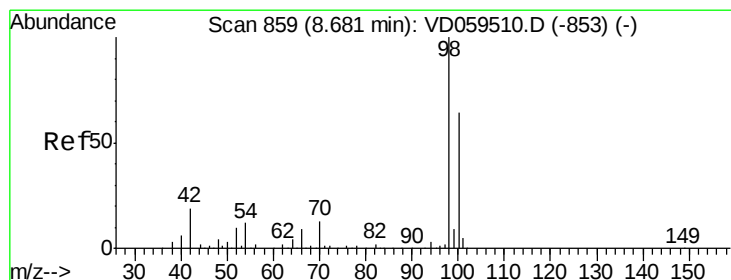
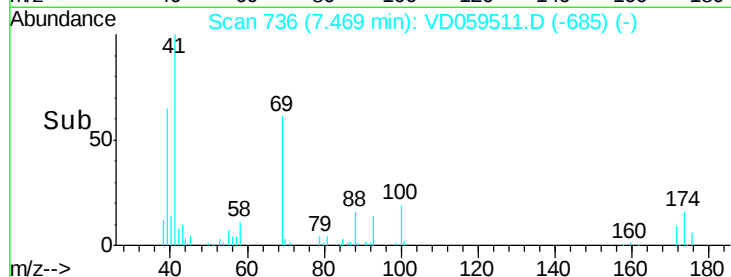
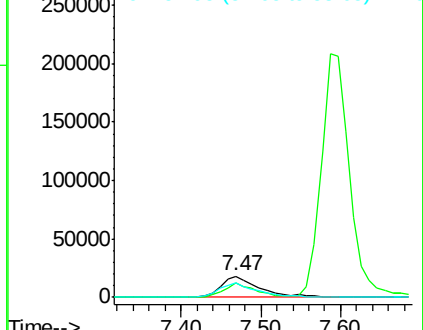
58 67.0 49.4 74.2



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: 1558.707 ug/l

RT: 8.68 min Scan# 859

Delta R.T. -0.00 min

Lab File: VD059511.D

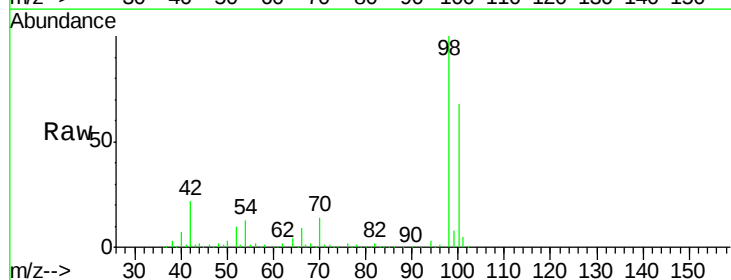
Acq: 2 Jul 2018 19:01

Tgt Ion: 98 Resp: 1195916

Ion Ratio Lower Upper

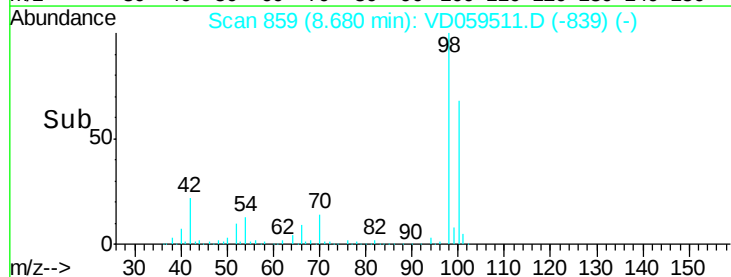
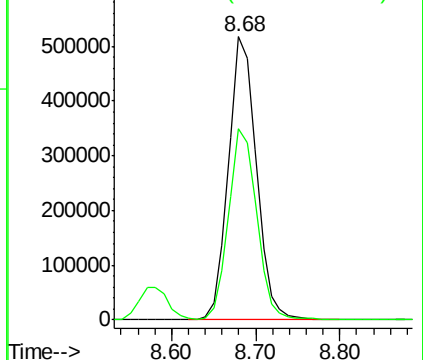
98 100

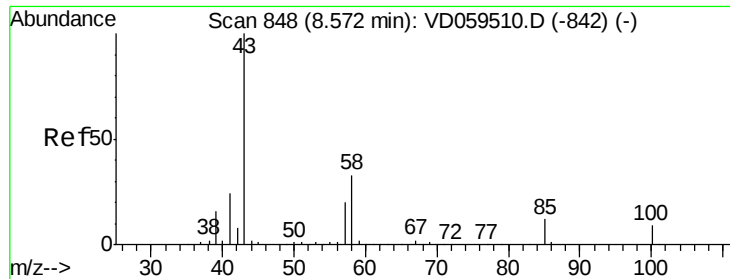
100 67.5 51.8 77.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

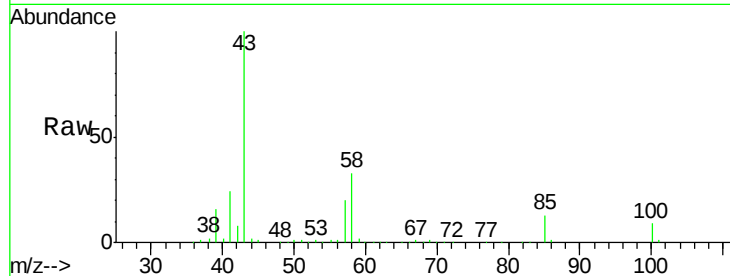




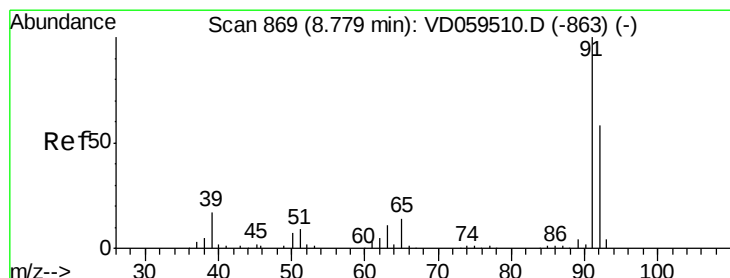
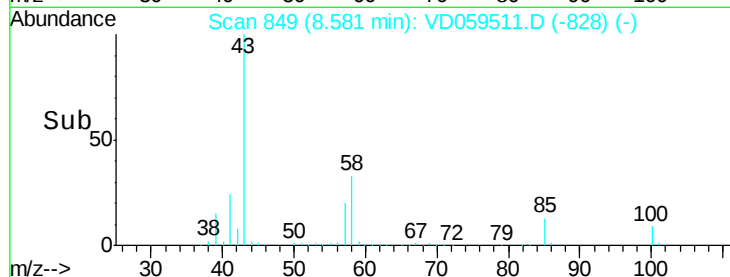
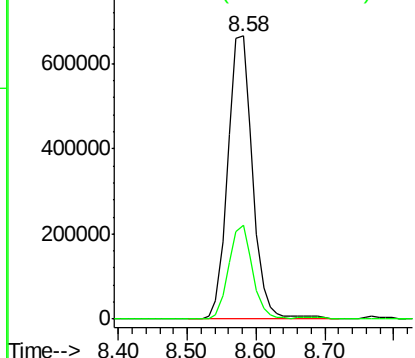
#51
4-Methyl-2-Pentanone
Concen: 393.005 ug/l
RT: 8.58 min Scan# 849
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 1652833
Ion Ratio Lower Upper
43 100
58 33.3 26.7 40.1

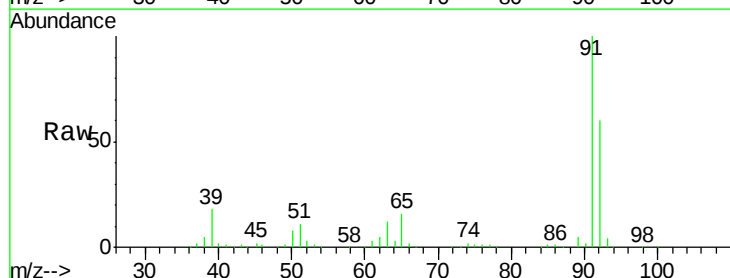


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

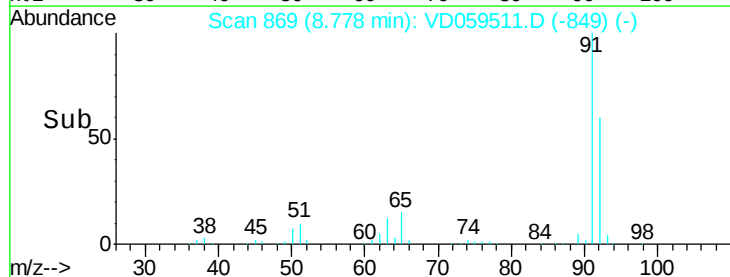
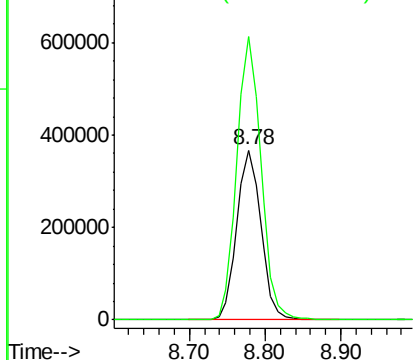


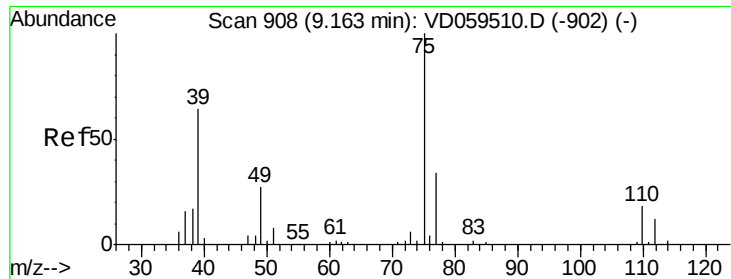
#52
Toluene
Concen: 68.624 ug/l
RT: 8.78 min Scan# 869
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 92 Resp: 811984
Ion Ratio Lower Upper
92 100
91 166.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

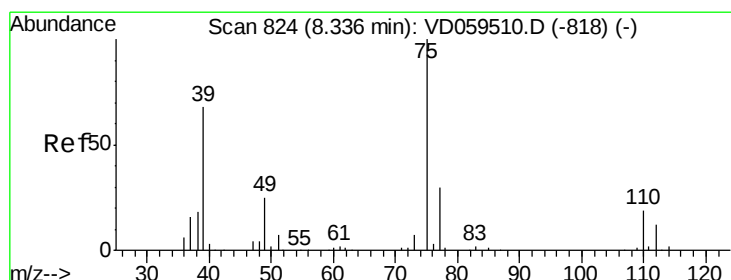
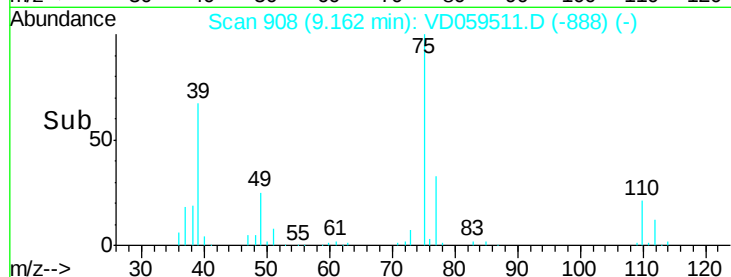
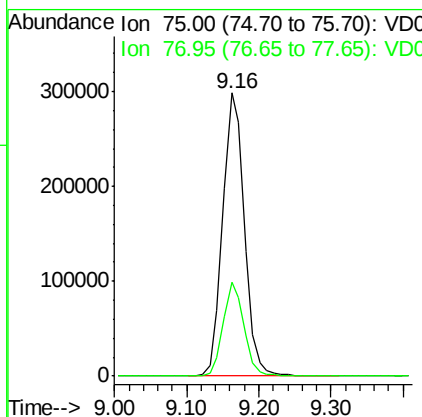
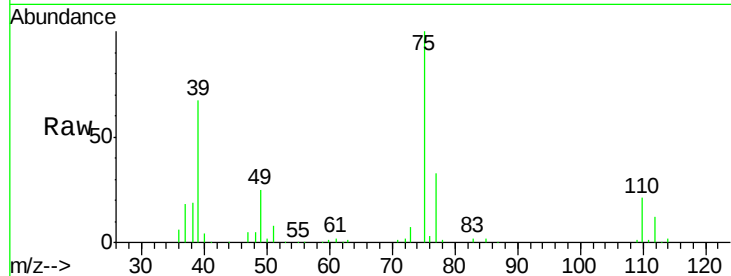




#53
 t-1,3-Dichloropropene
 Concen: 82.704 ug/l
 RT: 9.16 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

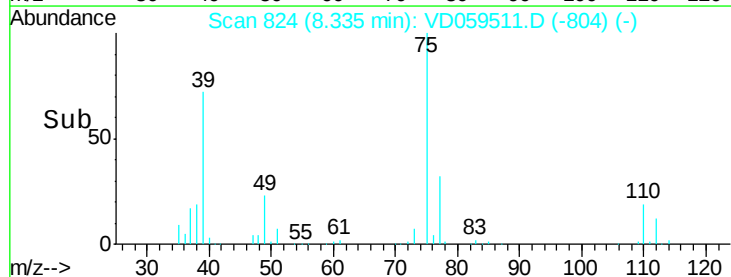
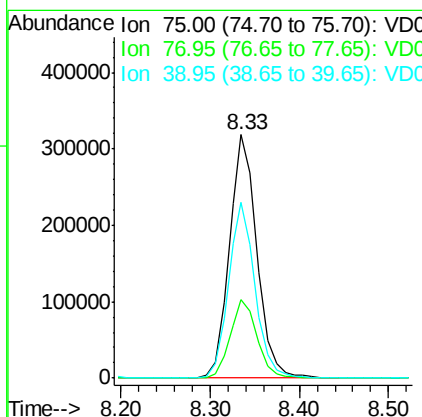
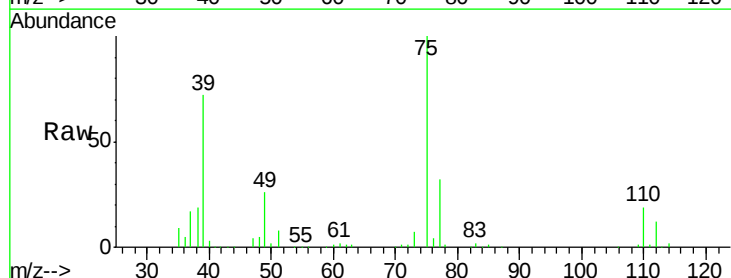
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

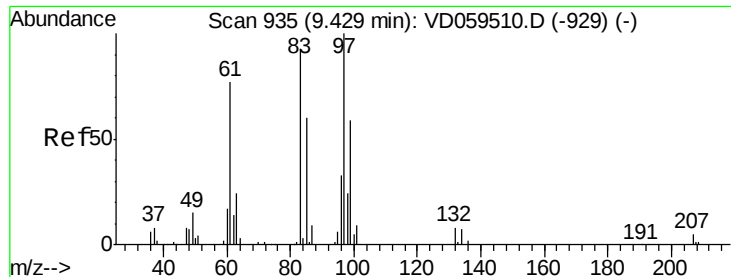
Tgt Ion: 75 Resp: 621238
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 79.046 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 75 Resp: 688057
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.4 36.6
 39 72.4 54.7 82.1





#55

1,1,2-Trichloroethane

Concen: 70.626 ug/l

RT: 9.43 min Scan# 935

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 299530

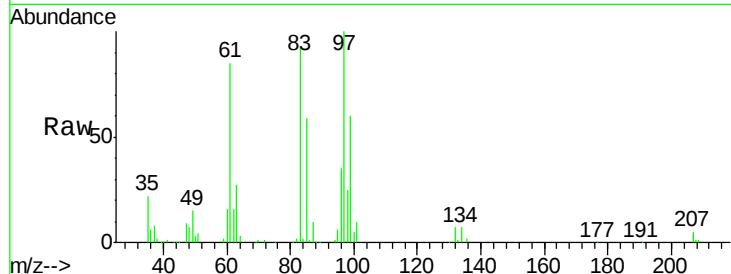
Ion Ratio Lower Upper

97 100

83 93.1 74.3 111.5

85 59.2 48.1 72.1

99 59.5 47.2 70.8

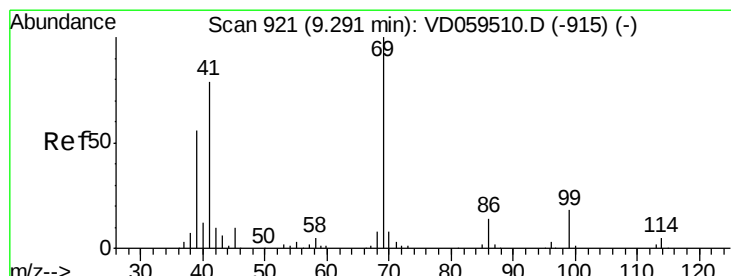
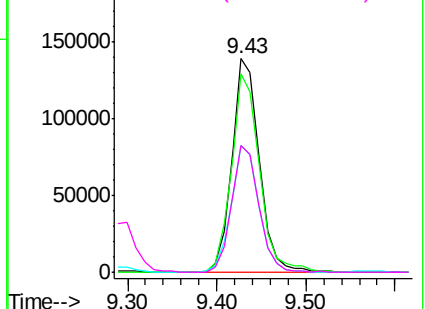
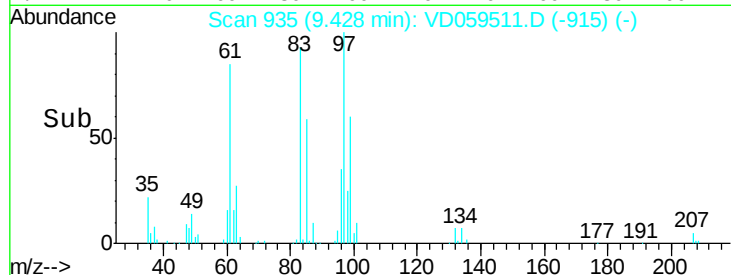


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 80.057 ug/l

RT: 9.29 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

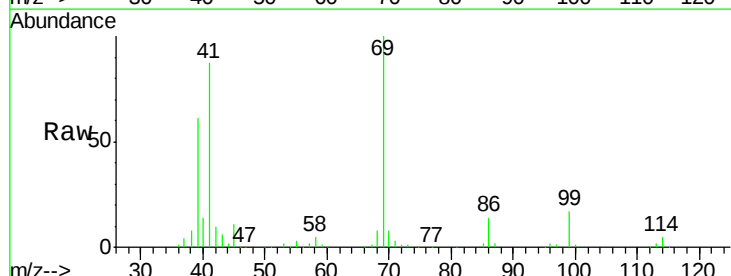
Tgt Ion: 69 Resp: 394674

Ion Ratio Lower Upper

69 100

41 87.2 63.4 95.0

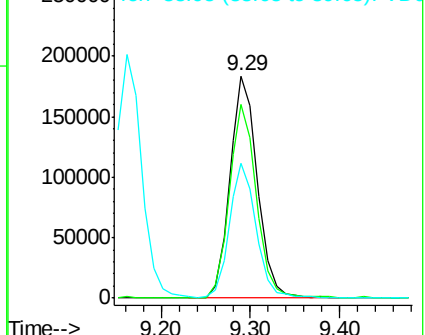
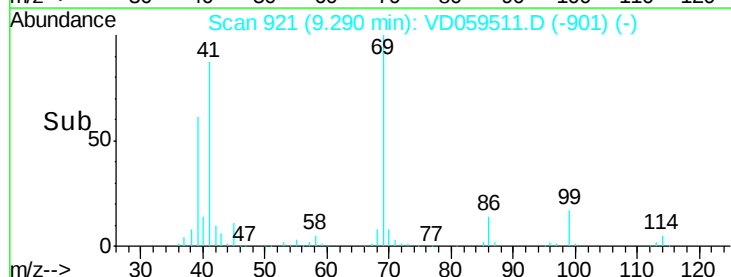
39 60.5 45.0 67.6

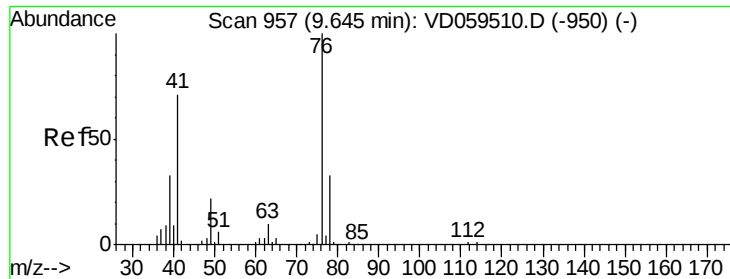


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 78.983 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

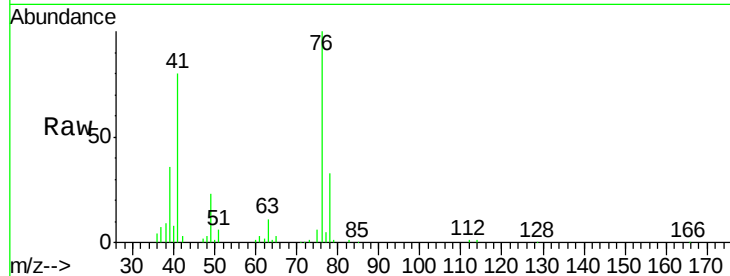
VSTDIC075

Tgt Ion: 76 Resp: 557839

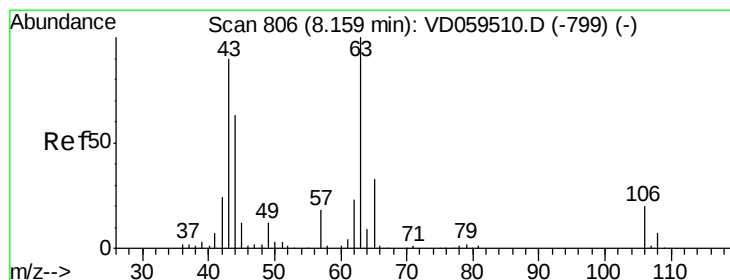
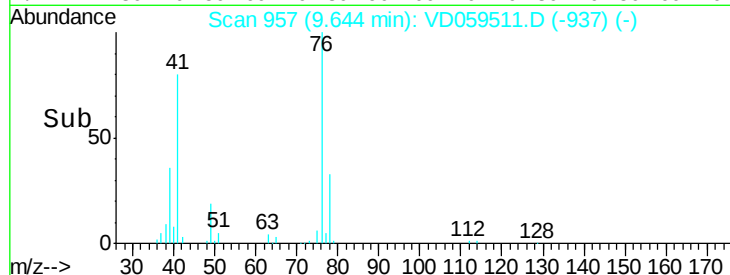
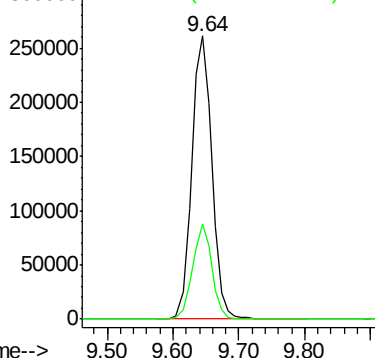
Ion Ratio Lower Upper

76 100

78 33.5 26.5 39.7



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 357.288 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059511.D

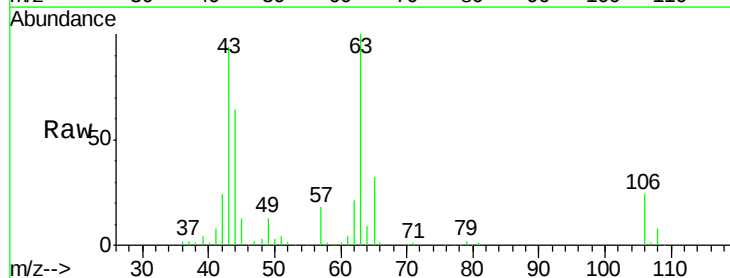
Acq: 2 Jul 2018 19:01

Tgt Ion: 63 Resp: 905549

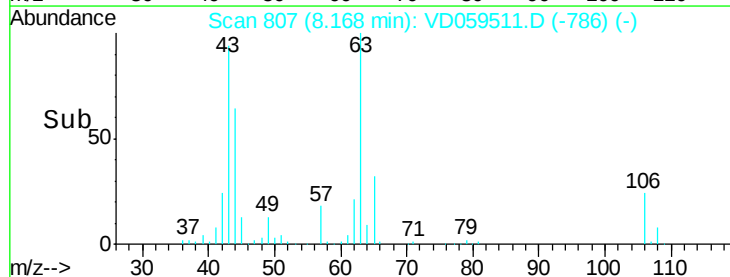
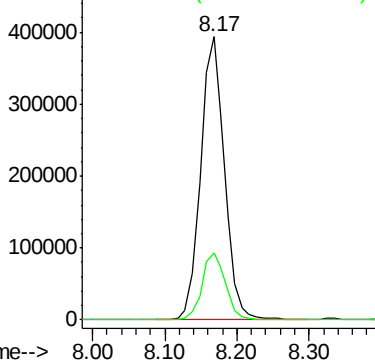
Ion Ratio Lower Upper

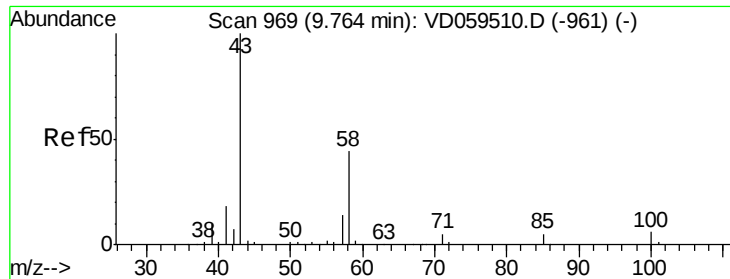
63 100

106 23.6 16.4 24.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

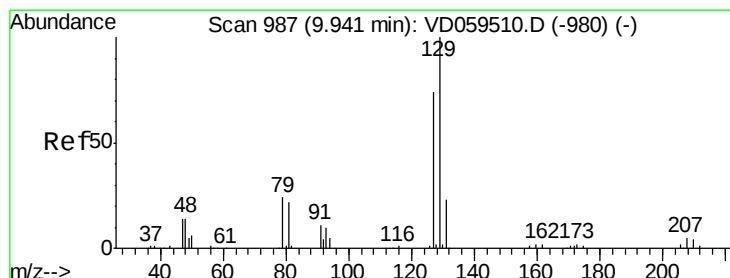
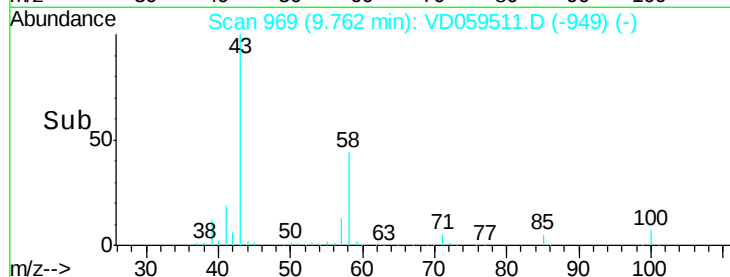
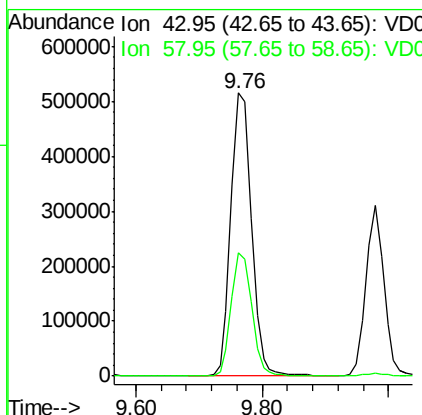
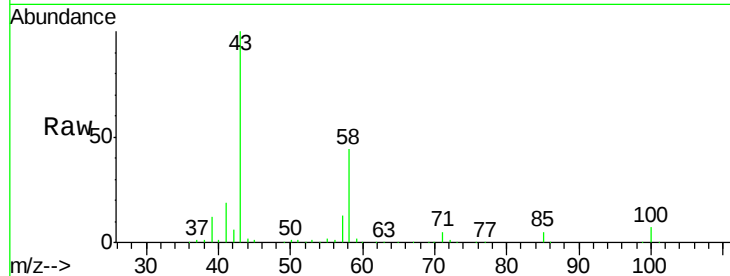




#59
2-Hexanone
Concen: 392.246 ug/l
RT: 9.76 min Scan# 969
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

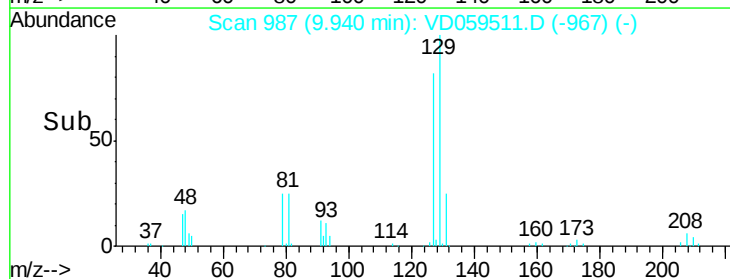
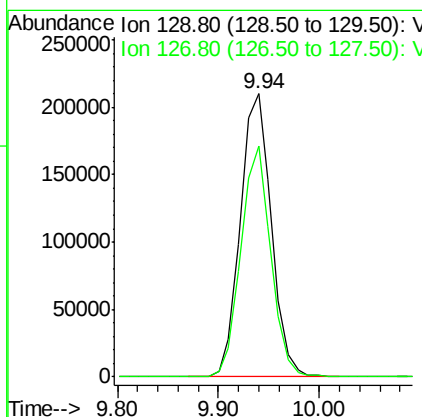
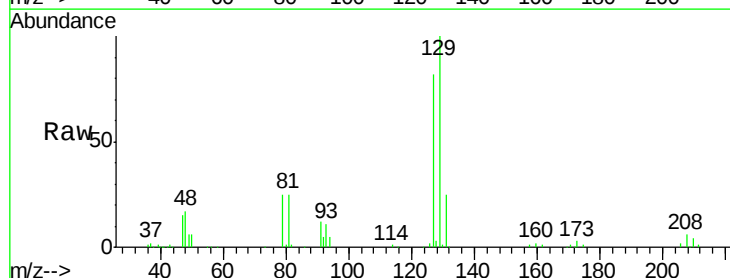
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

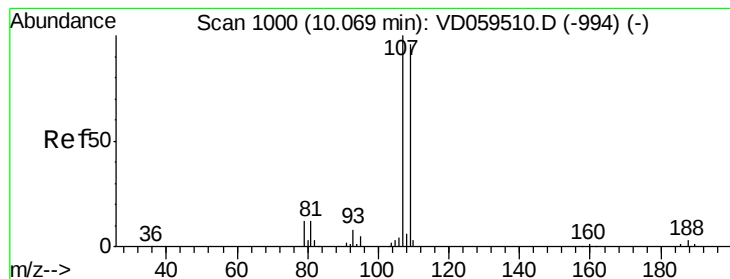
Tgt Ion: 43 Resp: 1167716
Ion Ratio Lower Upper
43 100
58 43.8 22.0 66.0



#60
Dibromochloromethane
Concen: 75.036 ug/l
RT: 9.94 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion: 129 Resp: 449319
Ion Ratio Lower Upper
129 100
127 81.6 37.2 111.6





#61

1,2-Dibromoethane

Concen: 72.854 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

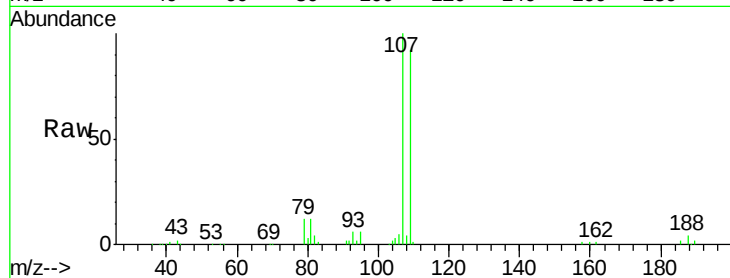
VSTDIC075

Tgt Ion: 107 Resp: 347271

Ion Ratio Lower Upper

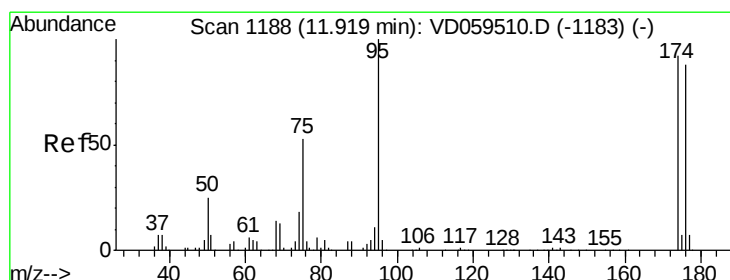
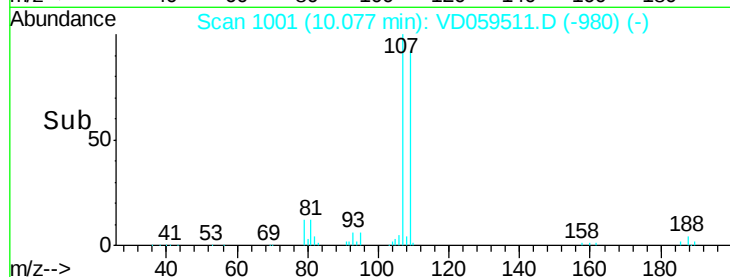
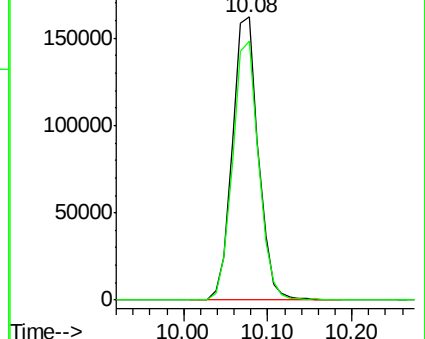
107 100

109 91.6 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 72.854 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

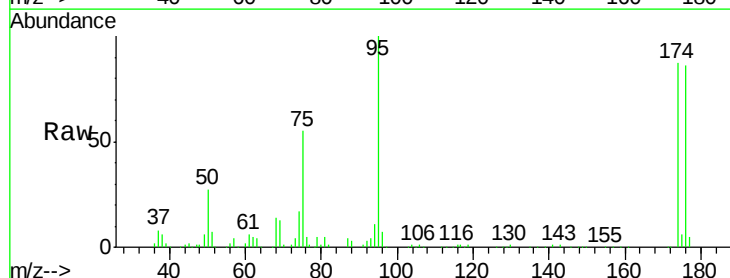
Tgt Ion: 95 Resp: 525076

Ion Ratio Lower Upper

95 100

174 87.0 0.0 183.0

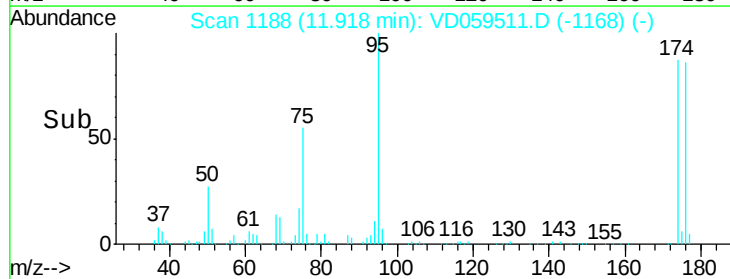
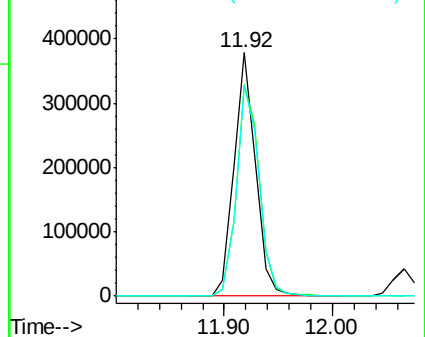
176 86.2 0.0 176.6

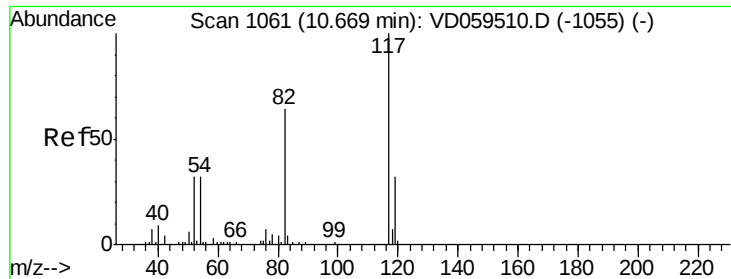


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

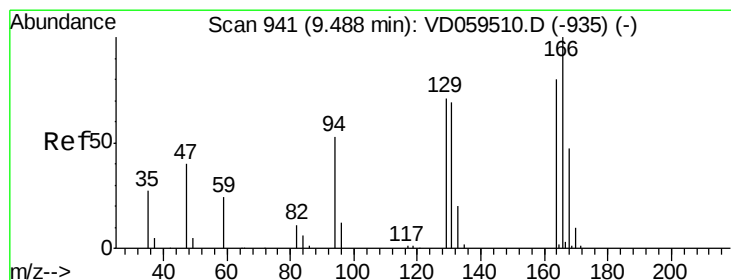
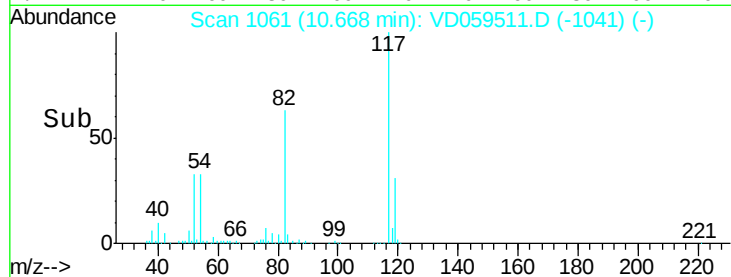
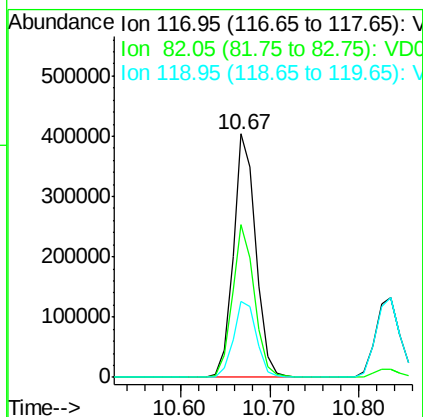
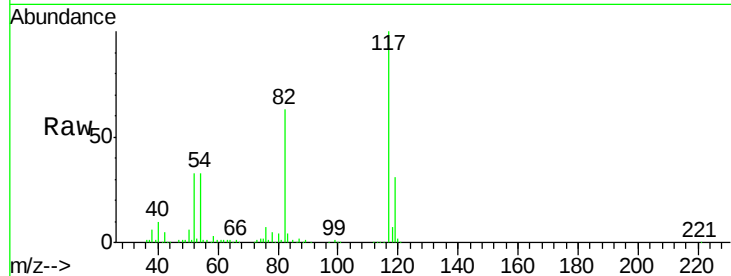




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

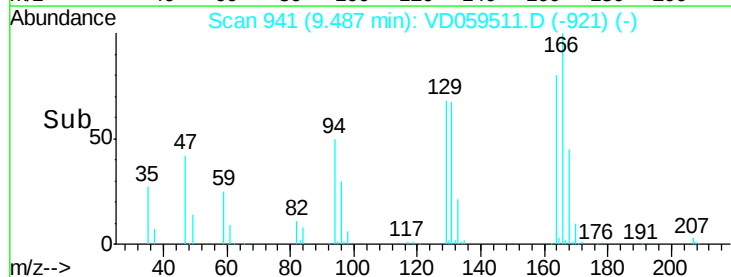
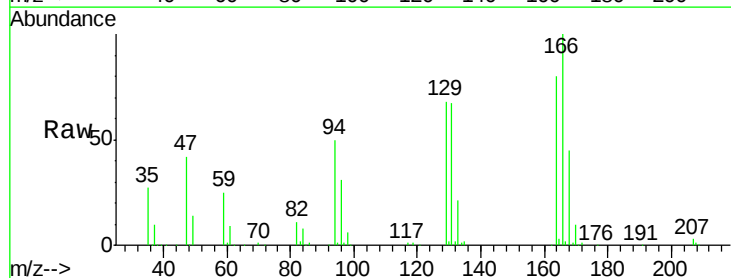
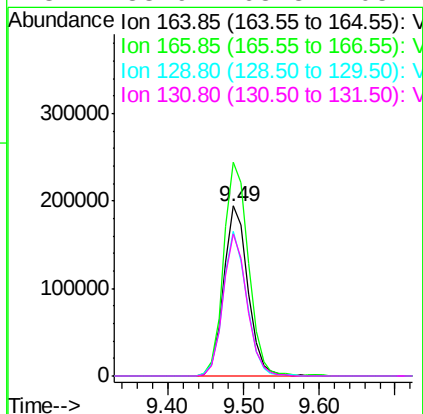
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

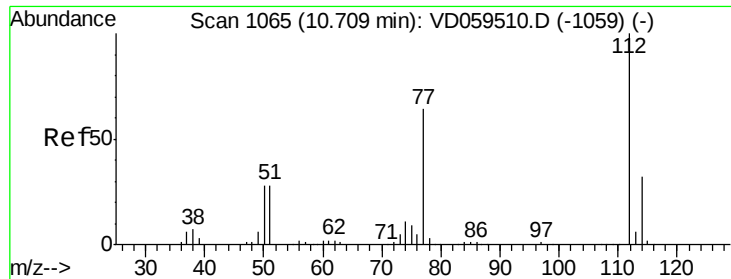
Tgt Ion:117 Resp: 714419
Ion Ratio Lower Upper
117 100
82 62.7 51.1 76.7
119 31.3 25.6 38.4



#64
Tetrachloroethene
Concen: 67.111 ug/l
RT: 9.49 min Scan# 941
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:164 Resp: 428659
Ion Ratio Lower Upper
164 100
166 125.6 99.5 149.3
129 85.2 70.9 106.3
131 83.9 68.8 103.2

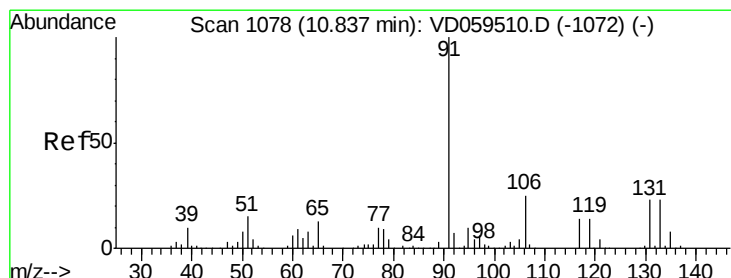
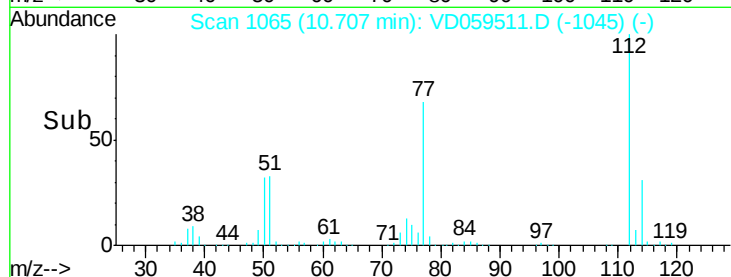
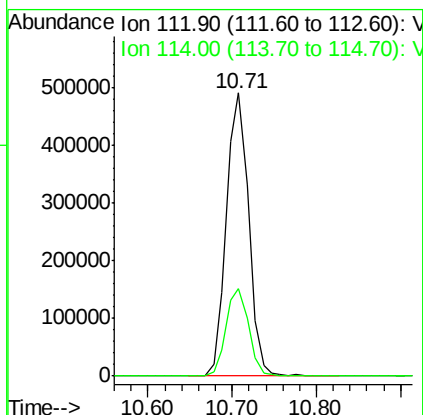
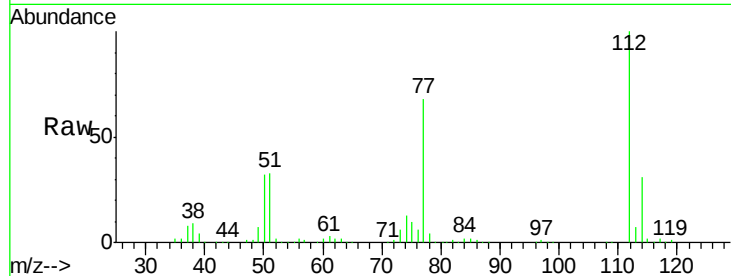




#65
Chlorobenzene
Concen: 67.317 ug/l
RT: 10.71 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

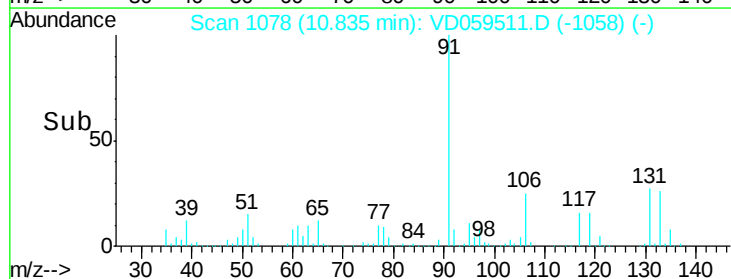
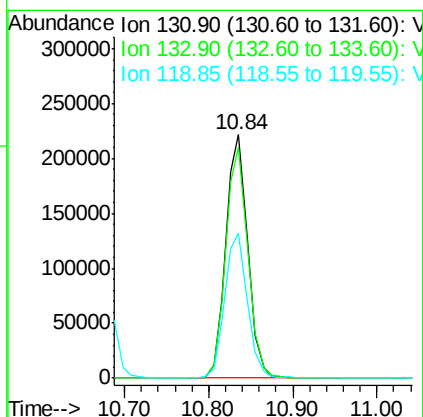
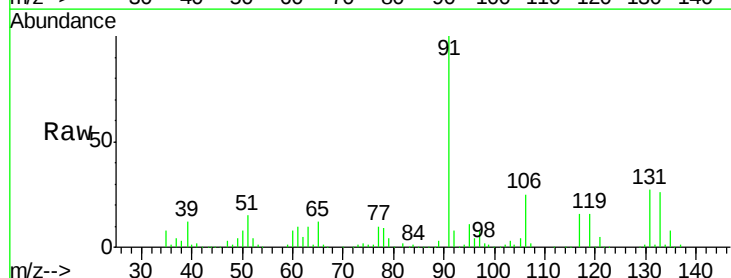
Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

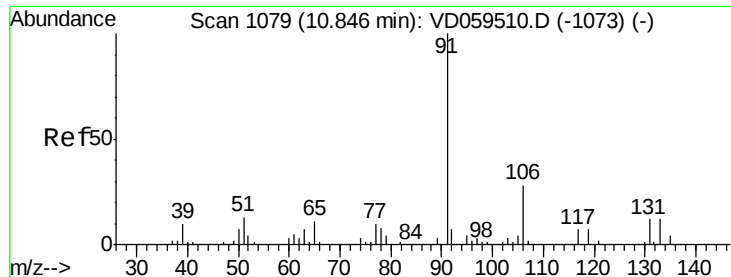
Tgt Ion:112 Resp: 904242
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 78.426 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:131 Resp: 398229
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.6
119 59.4 30.7 92.1





#67

Ethyl Benzene

Concen: 72.748 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

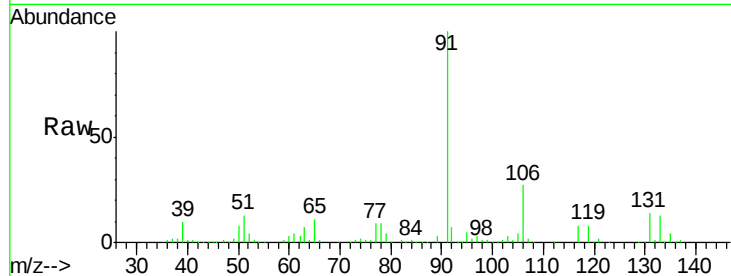
VSTDIC075

Tgt Ion: 91 Resp: 1638868

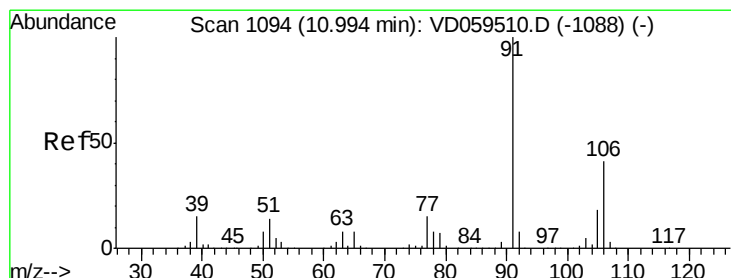
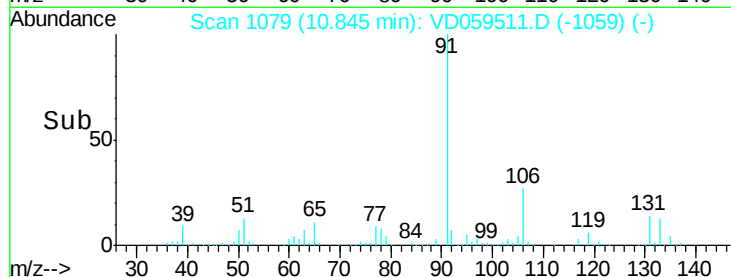
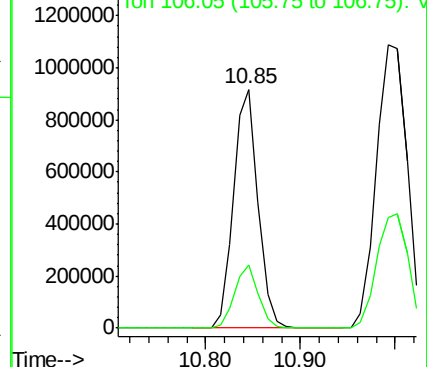
Ion Ratio Lower Upper

91 100

106 26.7 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 135.187 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VD059511.D

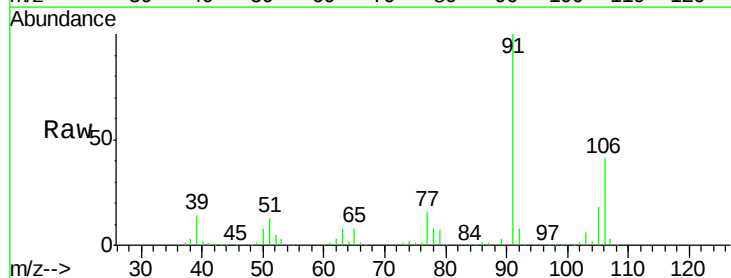
Acq: 2 Jul 2018 19:01

Tgt Ion: 106 Resp: 1017103

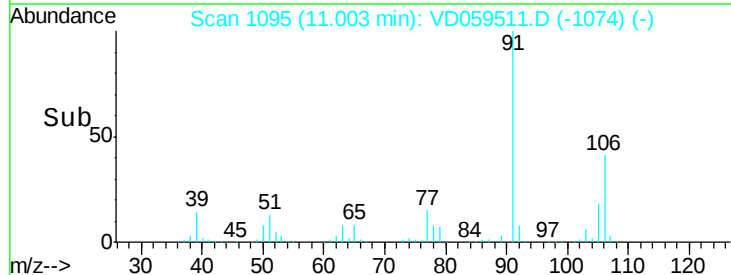
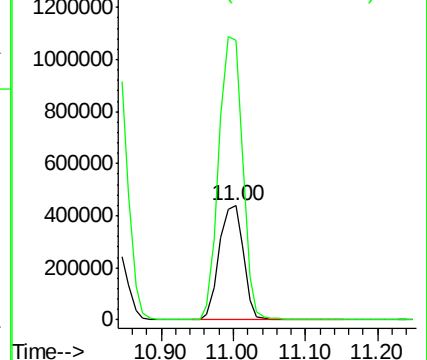
Ion Ratio Lower Upper

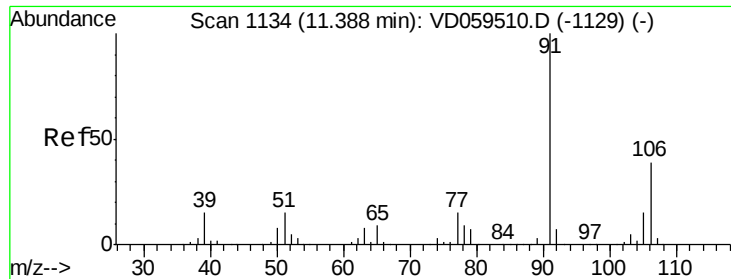
106 100

91 244.9 194.1 291.1



Abundance Ion 106.05 (105.75 to 106.75): V

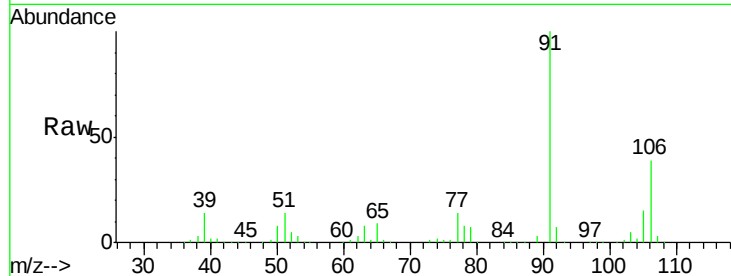




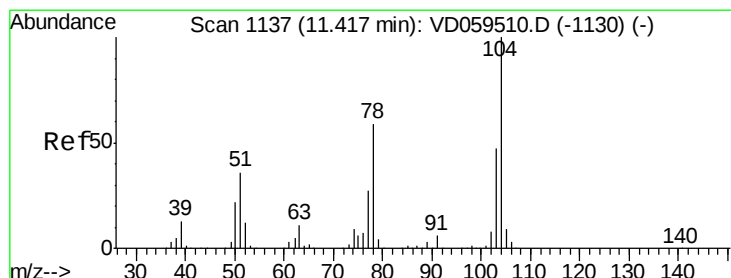
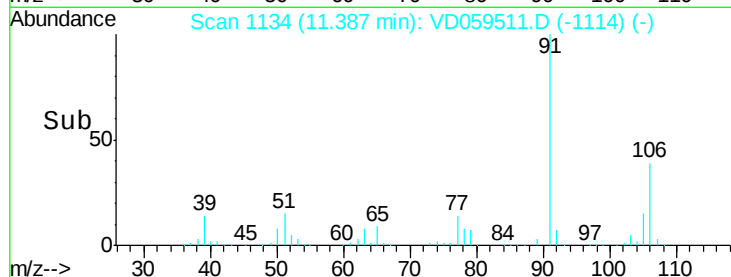
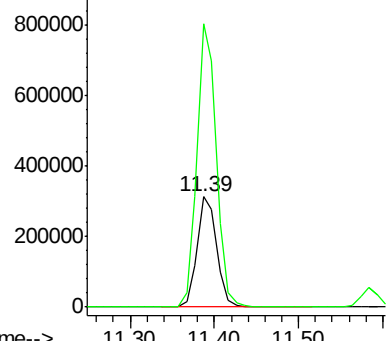
#69
o-Xylene
Concen: 68.197 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 504814
Ion Ratio Lower Upper
106 100
91 256.6 127.0 381.0

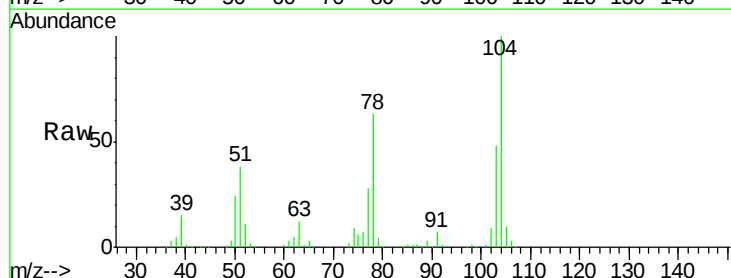


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

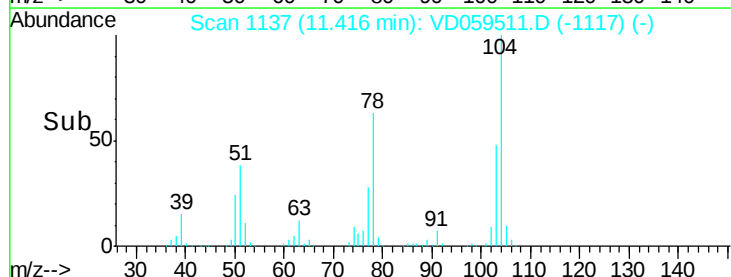
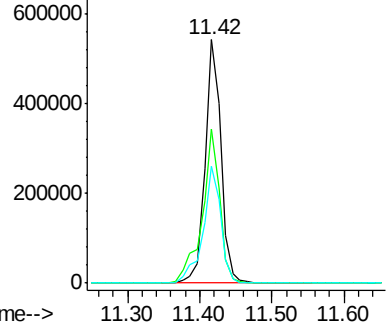


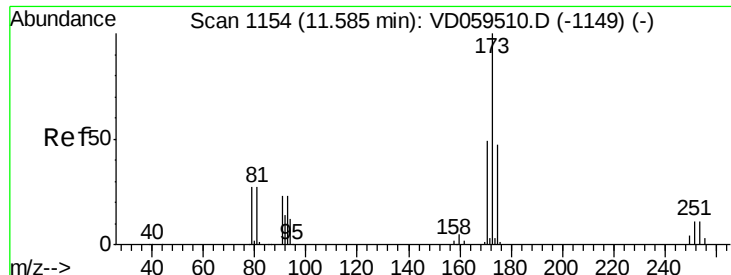
#70
Styrene
Concen: 65.808 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:104 Resp: 827911
Ion Ratio Lower Upper
104 100
78 63.2 47.6 71.4
103 47.9 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

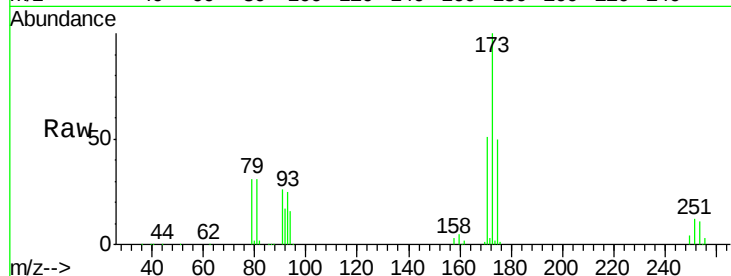




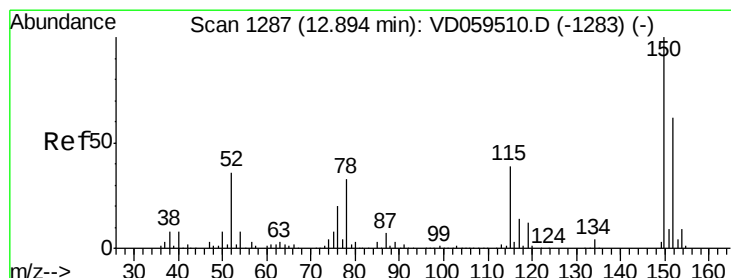
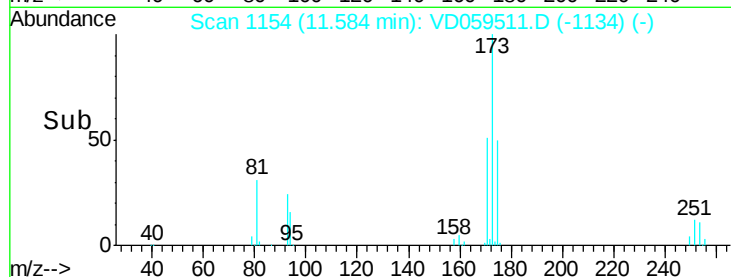
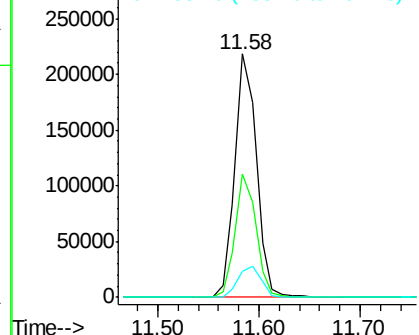
#71
Bromoform
Concen: 76.574 ug/l
RT: 11.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:173 Resp: 323436
Ion Ratio Lower Upper
173 100
175 50.4 23.3 69.8
254 10.8 9.0 13.6

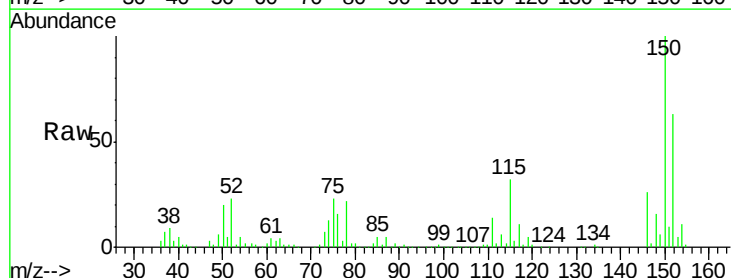


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

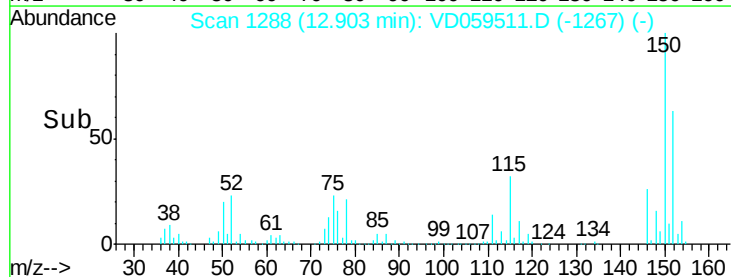
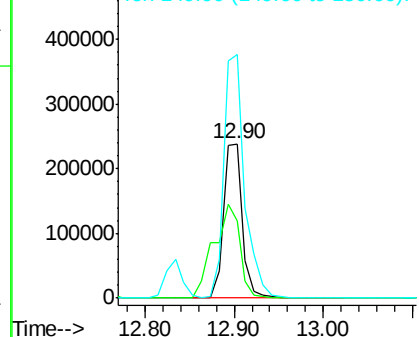


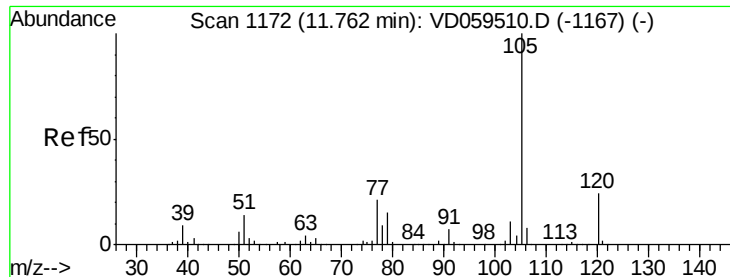
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. 0.01 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:152 Resp: 352359
Ion Ratio Lower Upper
152 100
115 49.8 31.3 93.9
150 157.7 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: 70.126 ug/l

RT: 11.76 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

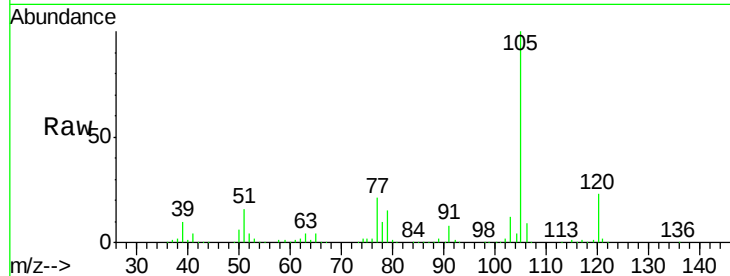
VSTDIC075

Tgt Ion:105 Resp: 1441906

Ion Ratio Lower Upper

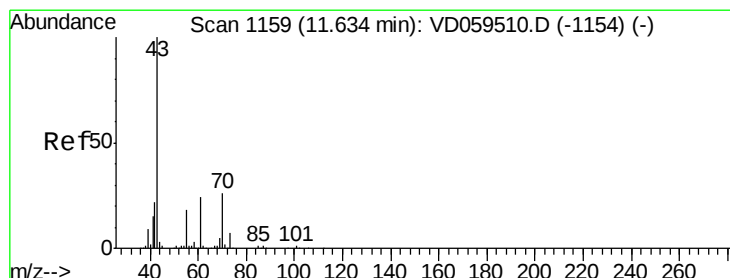
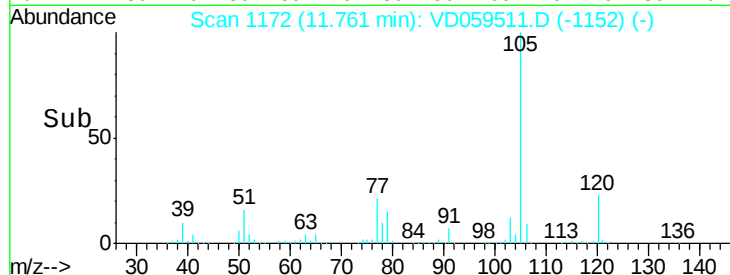
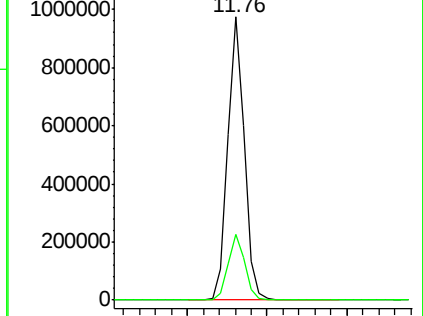
105 100

120 23.2 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: 83.170 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Tgt Ion: 43 Resp: 664816

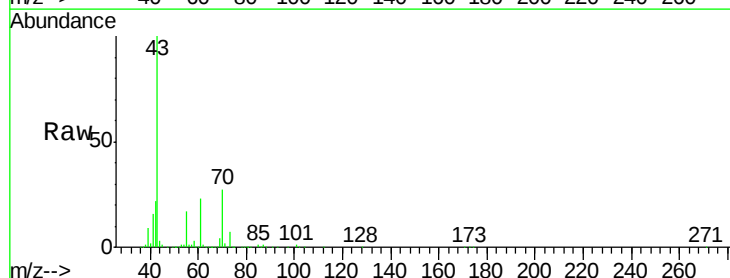
Ion Ratio Lower Upper

43 100

70 26.7 20.6 31.0

55 16.8 14.4 21.6

61 22.5 19.2 28.8

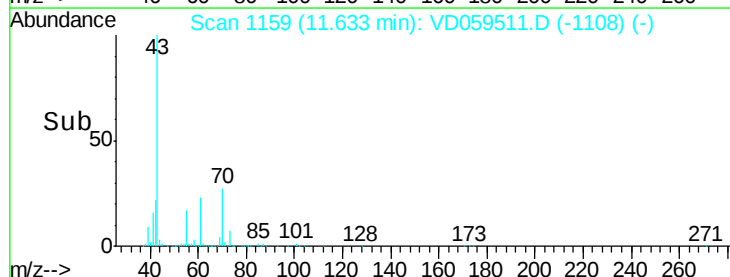
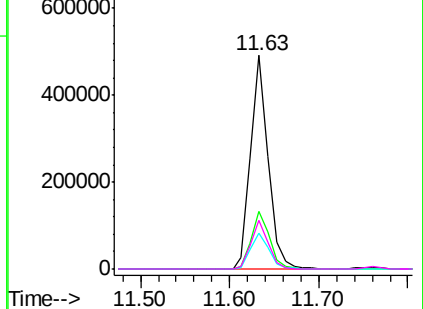


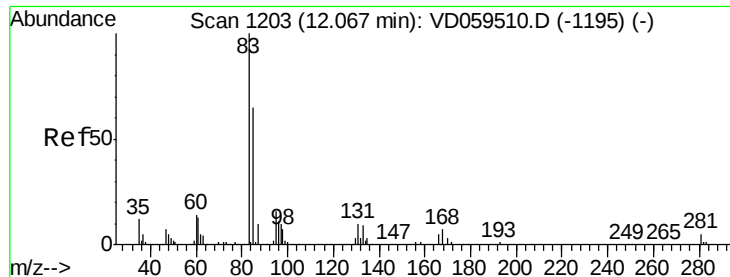
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 74.637 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

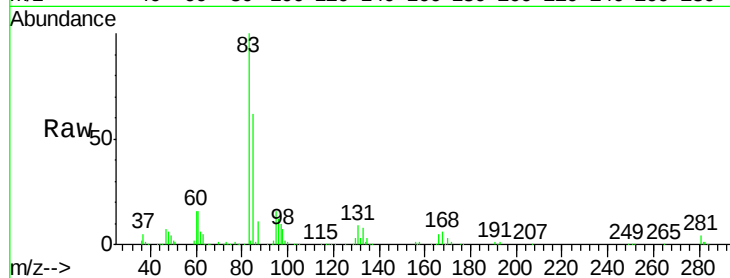
Tgt Ion: 83 Resp: 367035

Ion Ratio Lower Upper

83 100

131 8.8 5.0 15.0

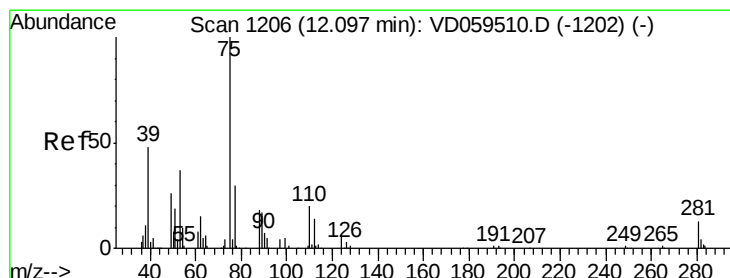
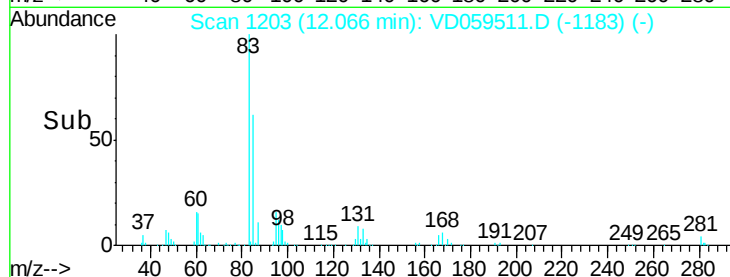
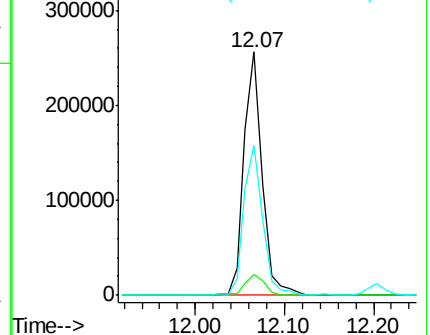
85 61.9 32.3 96.8



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: 79.743 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VD059511.D

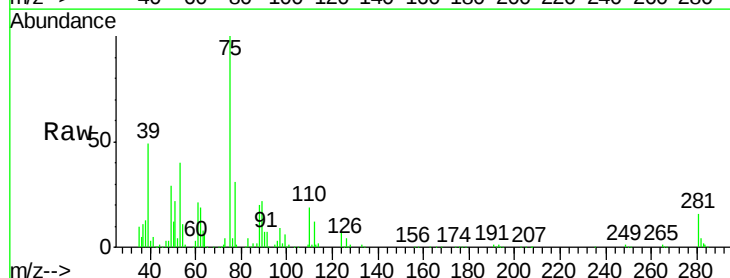
Acq: 2 Jul 2018 19:01

Tgt Ion: 75 Resp: 406413

Ion Ratio Lower Upper

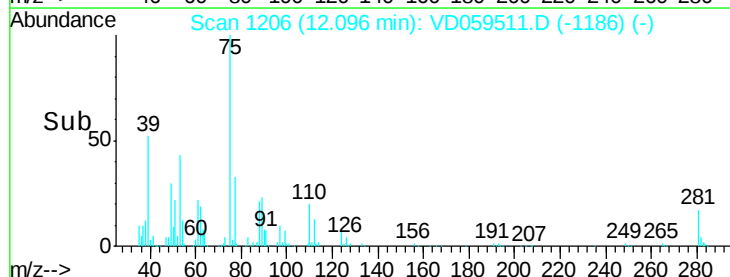
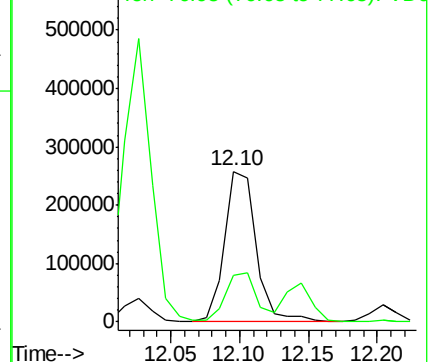
75 100

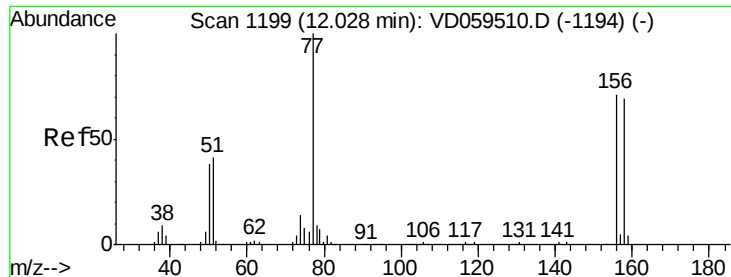
77 31.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 70.477 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

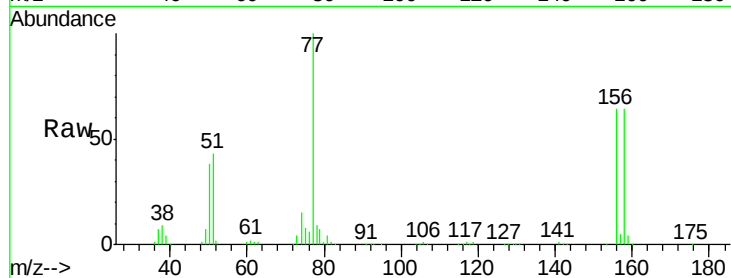
Tgt Ion:156 Resp: 454116

Ion Ratio Lower Upper

156 100

77 156.4 70.0 210.0

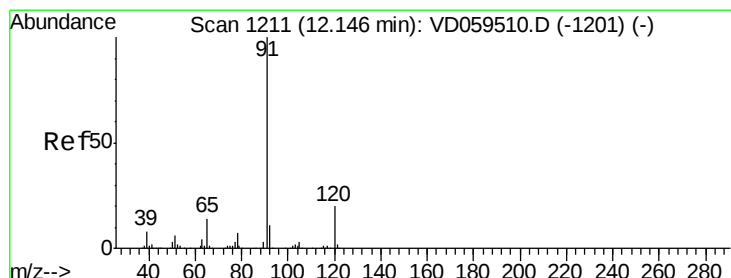
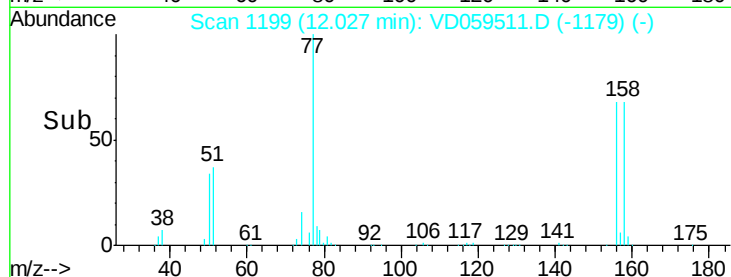
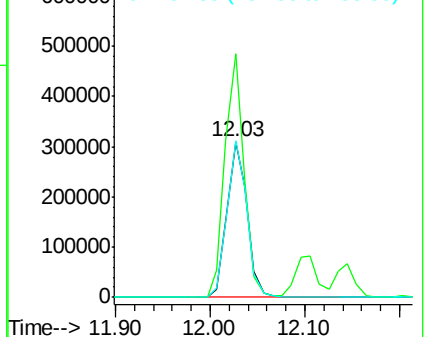
158 100.8 48.3 144.9



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



#78

n-propylbenzene

Concen: 71.031 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059511.D

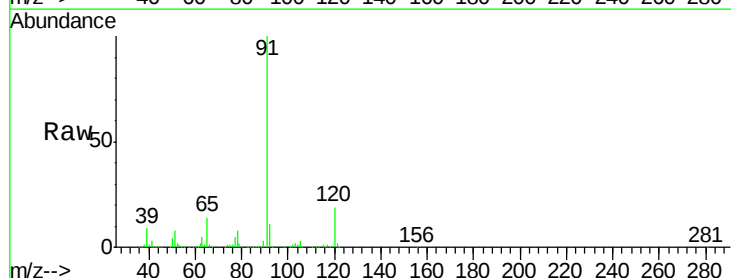
Acq: 2 Jul 2018 19:01

Tgt Ion: 91 Resp: 1873484

Ion Ratio Lower Upper

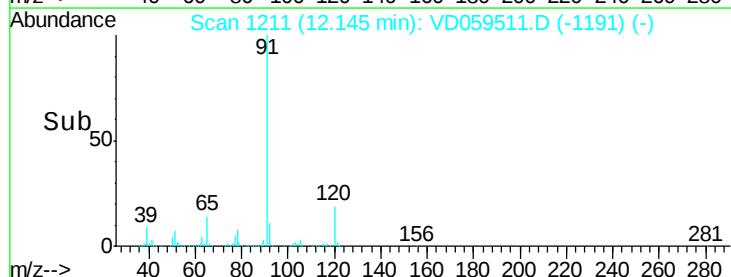
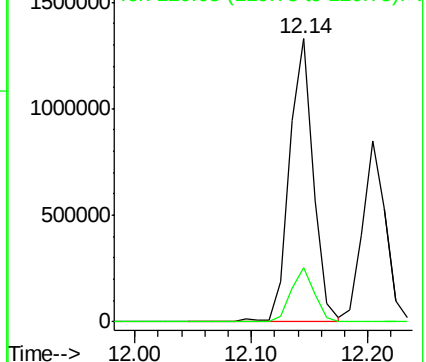
91 100

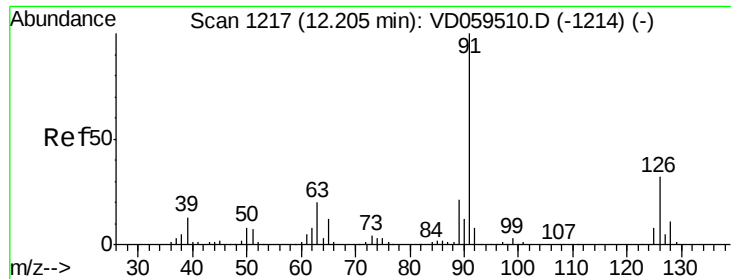
120 19.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

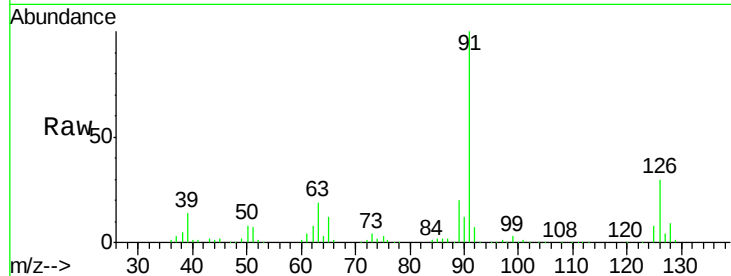




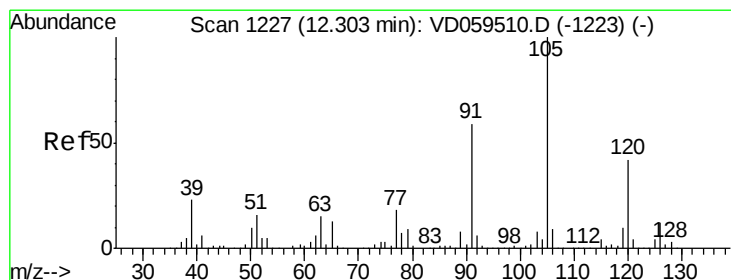
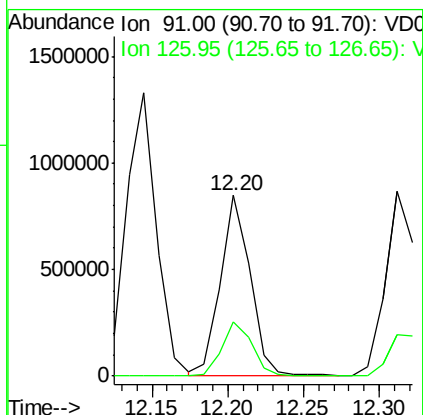
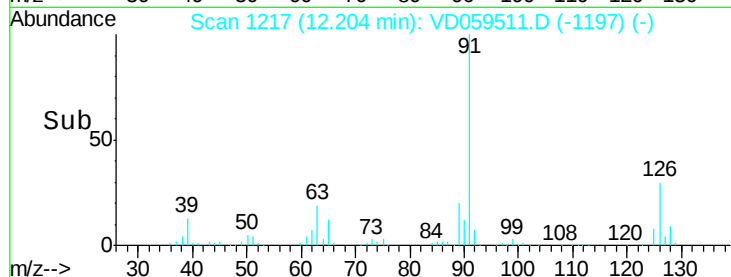
#79
 2-Chlorotoluene
 Concen: 75.085 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 91 Resp: 1155678
 Ion Ratio Lower Upper
 91 100
 126 29.8 15.9 47.6

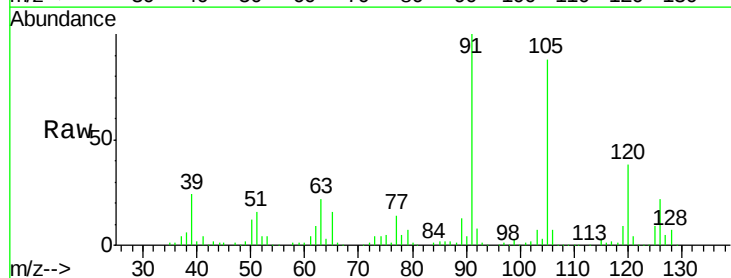


Abundance Ion 91.00 (90.70 to 91.70): VD059511.D (-1197) (-)
 Ion 125.95 (125.65 to 126.65): VD059511.D (-1197) (-)

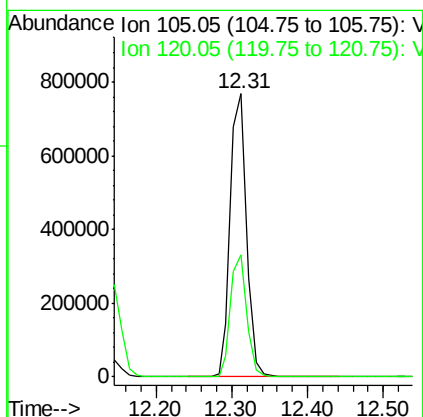
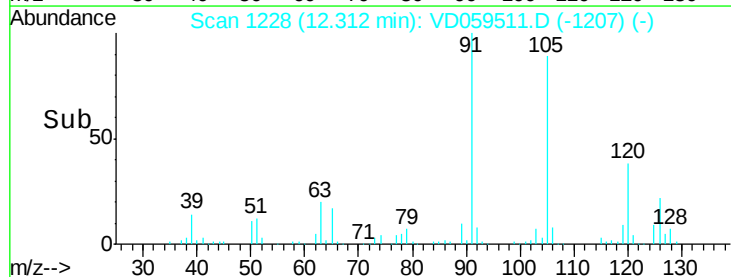


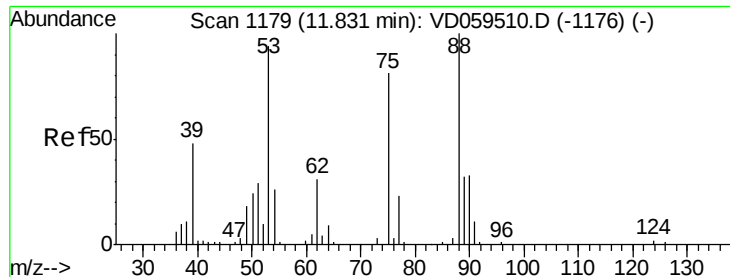
#80
 1,3,5-Trimethylbenzene
 Concen: 69.132 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 105 Resp: 1140079
 Ion Ratio Lower Upper
 105 100
 120 43.1 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): VD059511.D (-1207) (-)
 Ion 120.05 (119.75 to 120.75): VD059511.D (-1207) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 91.916 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

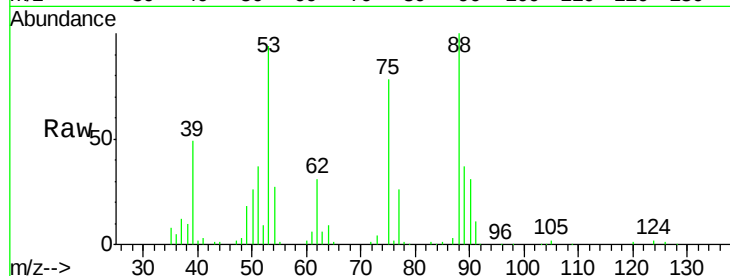
Tgt Ion: 75 Resp: 109033

Ion Ratio Lower Upper

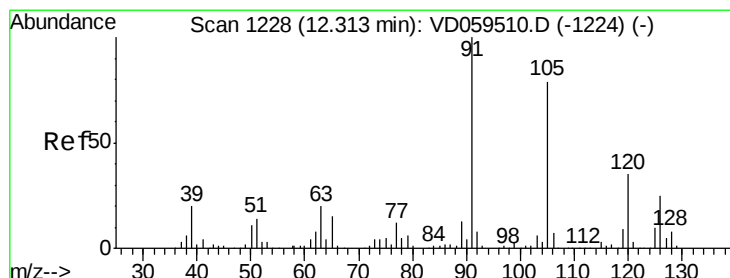
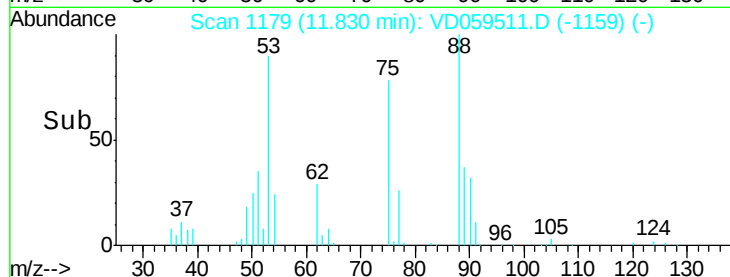
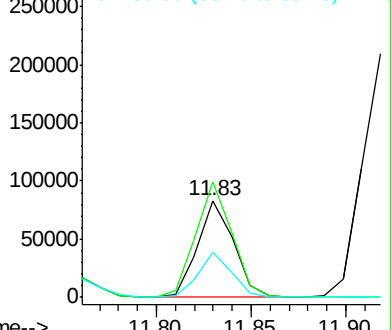
75 100

53 119.2 92.6 139.0

89 46.9 31.5 47.3



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



#82

4-Chlorotoluene

Concen: 69.409 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD059511.D

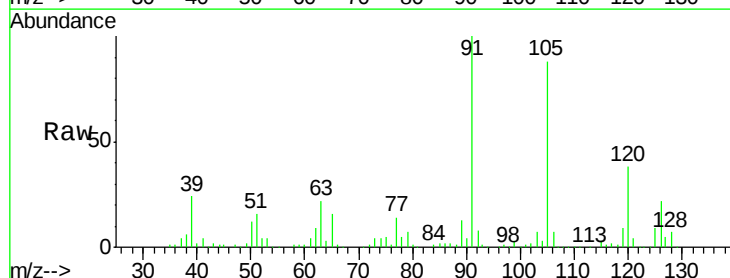
Acq: 2 Jul 2018 19:01

Tgt Ion: 91 Resp: 1222312

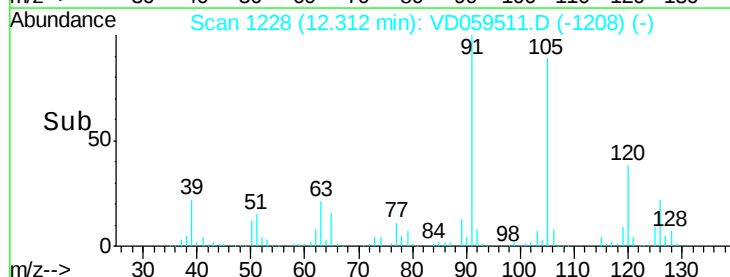
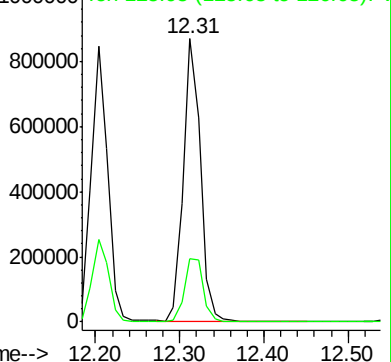
Ion Ratio Lower Upper

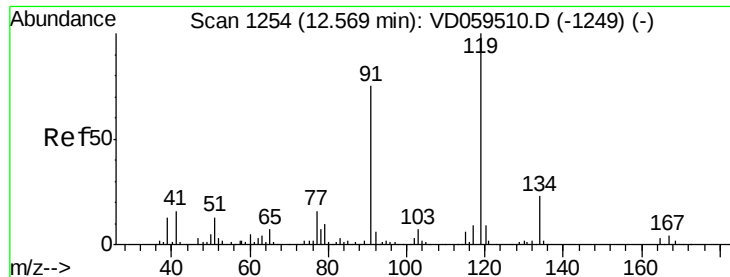
91 100

126 22.4 12.3 36.9



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

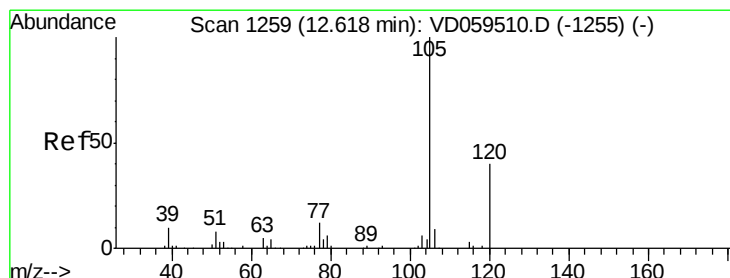
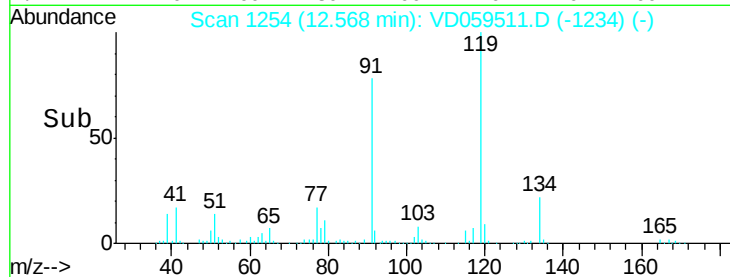
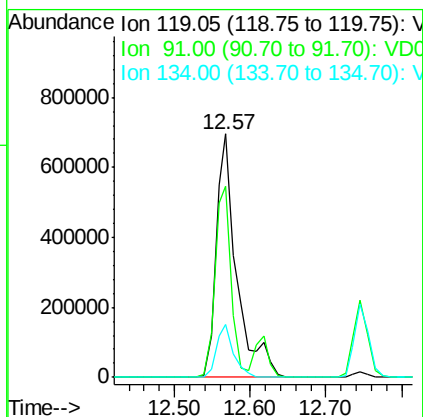
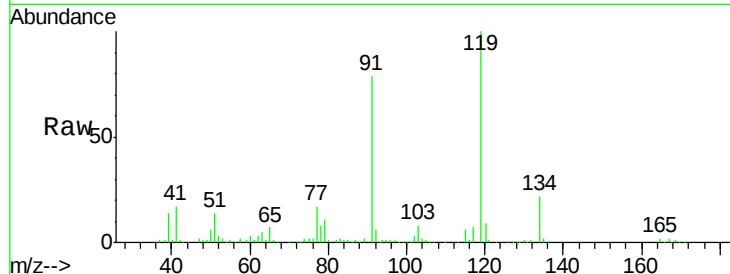




#83
 tert-Butylbenzene
 Concen: 74.600 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

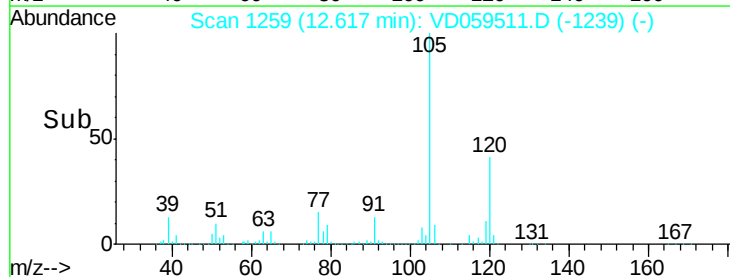
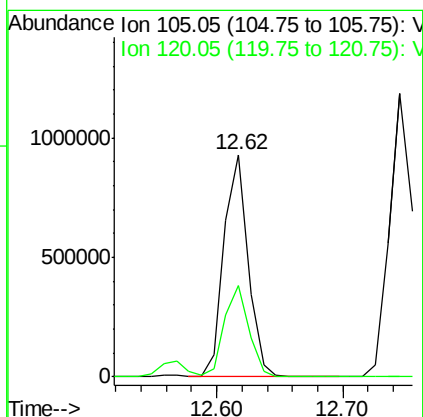
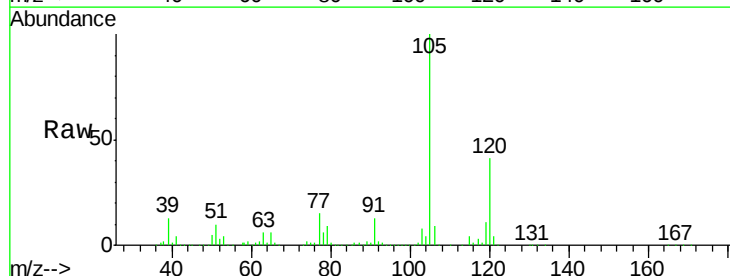
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

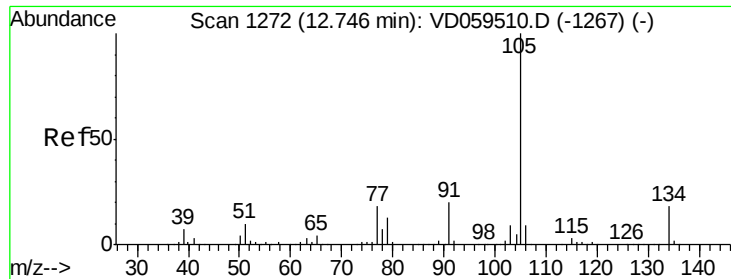
Tgt Ion:119 Resp: 1323569
 Ion Ratio Lower Upper
 119 100
 91 78.7 37.8 113.3
 134 21.7 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 70.774 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion:105 Resp: 1230280
 Ion Ratio Lower Upper
 105 100
 120 41.4 21.1 63.3





#85

sec-Butylbenzene

Concen: 73.651 ug/l

RT: 12.75 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

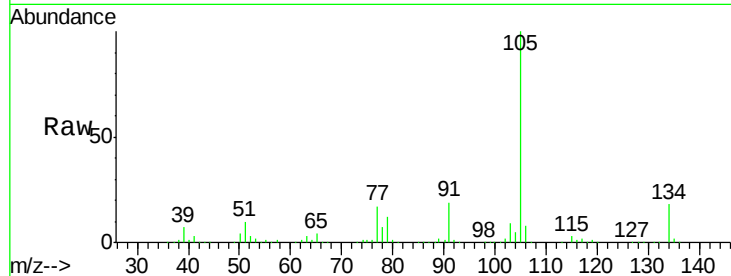
VSTDIC075

Tgt Ion:105 Resp: 1554969

Ion Ratio Lower Upper

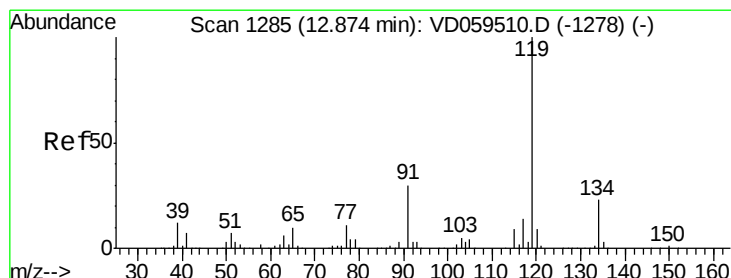
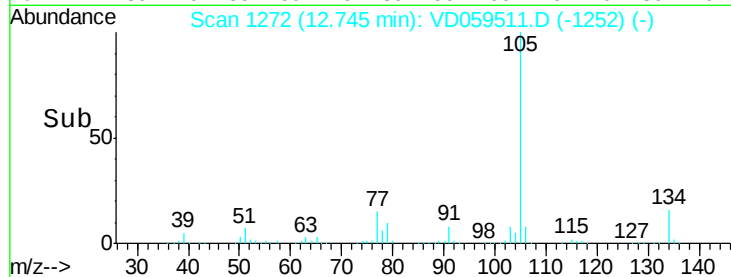
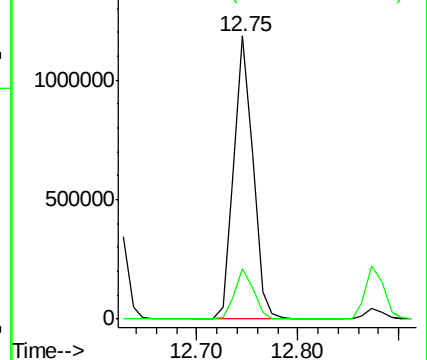
105 100

134 17.7 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: 70.534 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

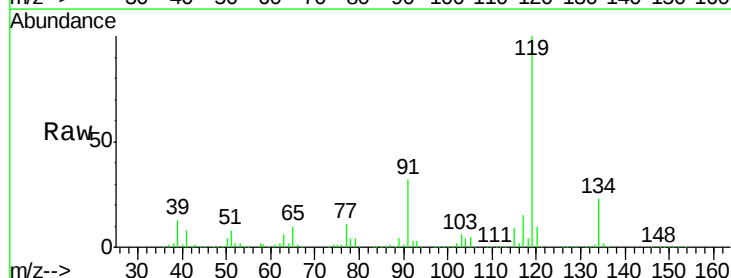
Tgt Ion:119 Resp: 1226271

Ion Ratio Lower Upper

119 100

134 23.1 11.6 34.8

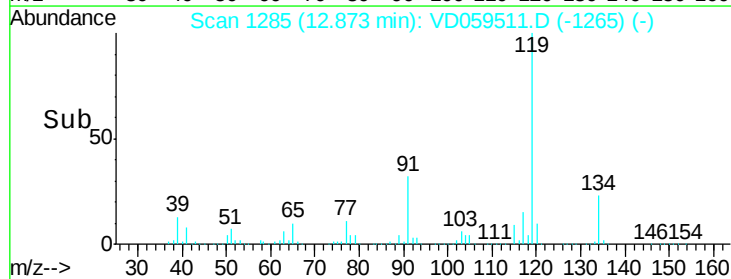
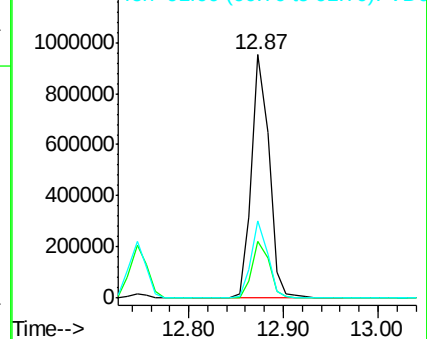
91 31.7 15.3 45.8

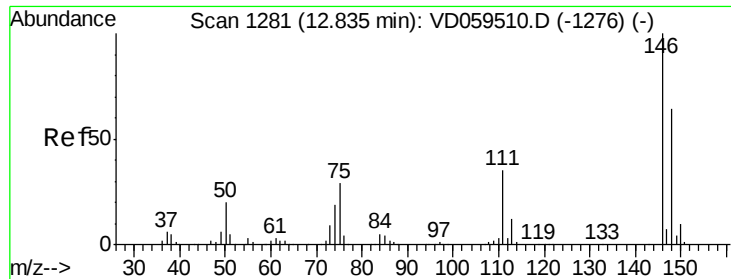


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

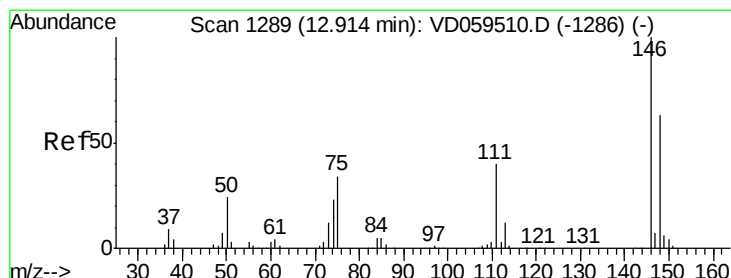
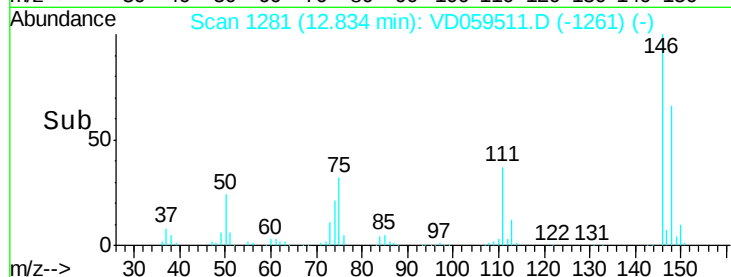
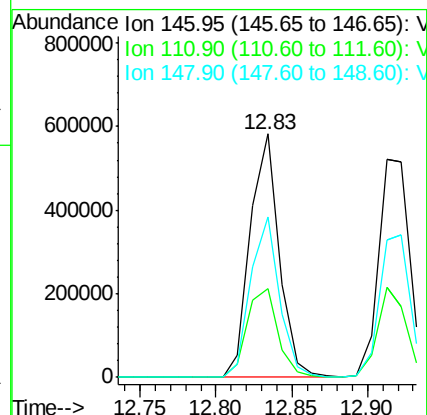
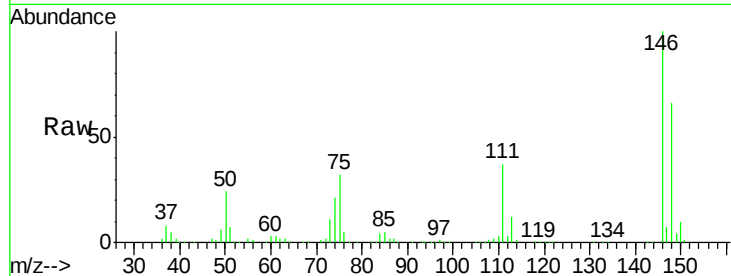




#87
 1,3-Dichlorobenzene
 Concen: 72.769 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

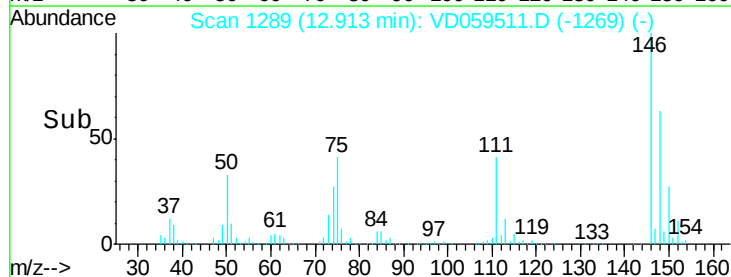
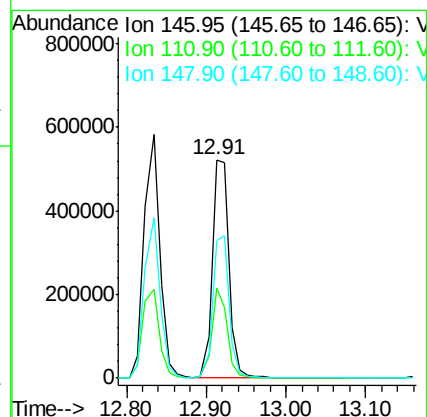
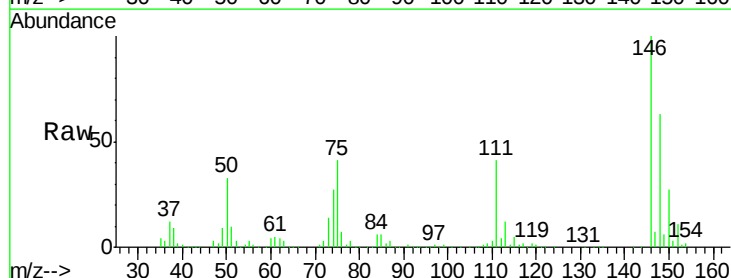
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

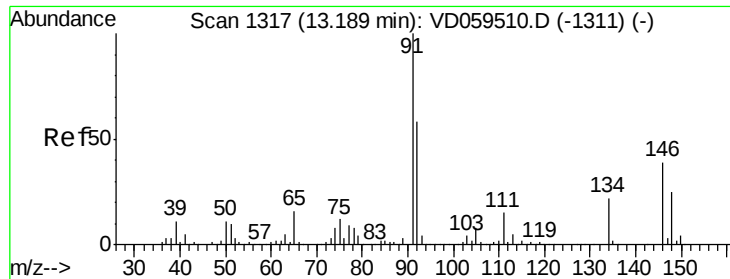
Tgt Ion:146 Resp: 780921
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.6 52.9
 148 65.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 73.154 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion:146 Resp: 772606
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 59.9
 148 63.0 31.7 95.1





#89

n-Butylbenzene

Concen: 74.686 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD059511.D

Acq: 2 Jul 2018 19:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

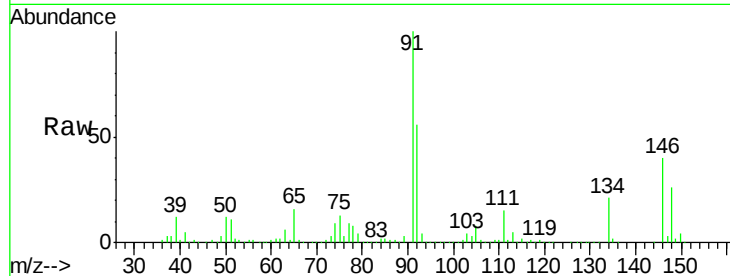
Tgt Ion: 91 Resp: 1294889

Ion Ratio Lower Upper

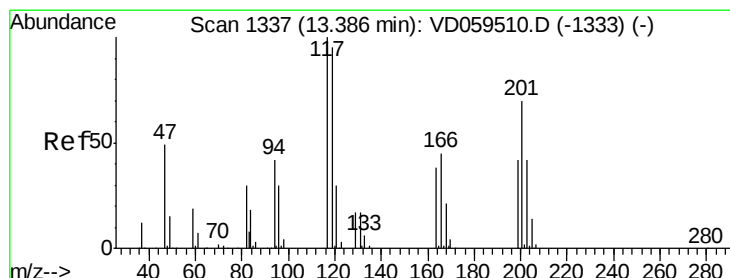
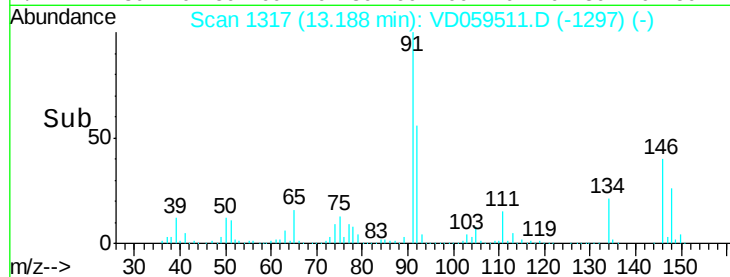
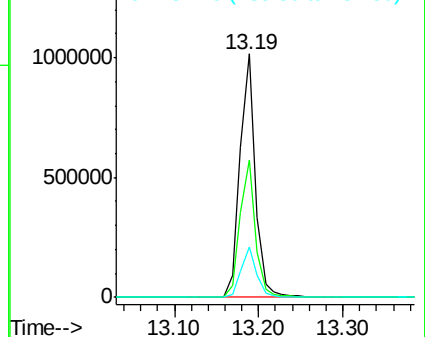
91 100

92 56.3 28.9 86.7

134 20.9 11.3 33.8



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



#90

Hexachloroethane

Concen: 82.259 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VD059511.D

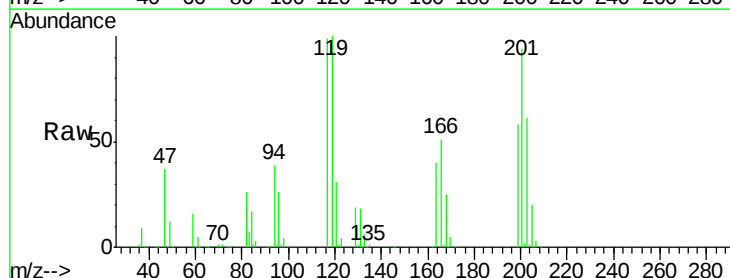
Acq: 2 Jul 2018 19:01

Tgt Ion: 117 Resp: 359077

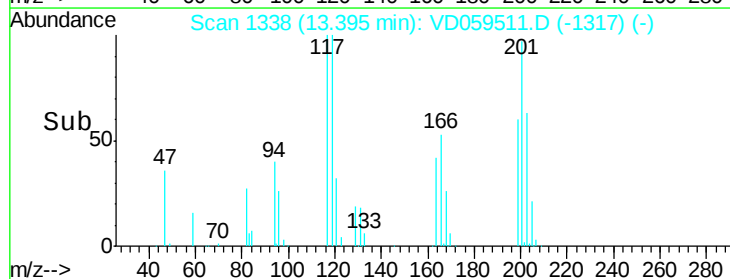
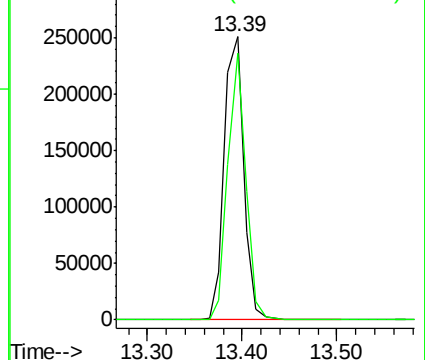
Ion Ratio Lower Upper

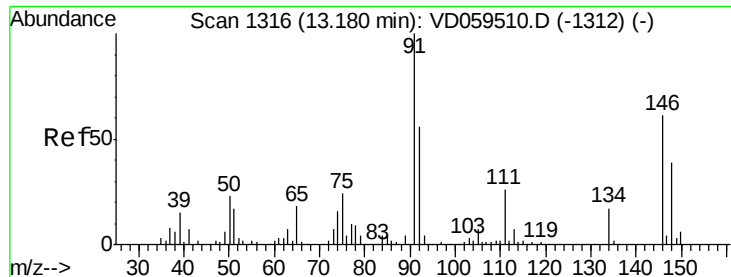
117 100

201 94.4 35.2 105.6



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

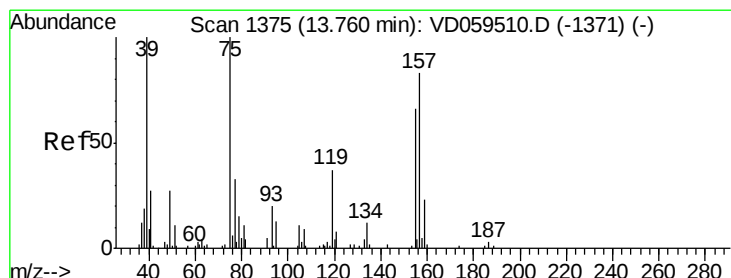
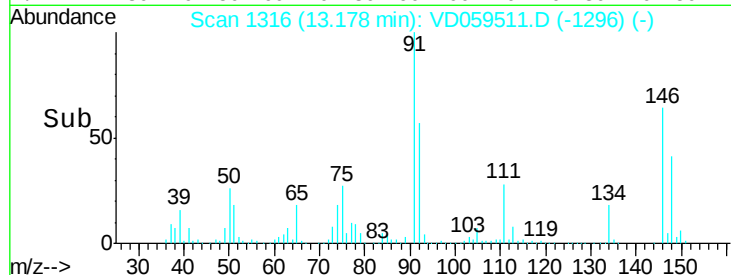
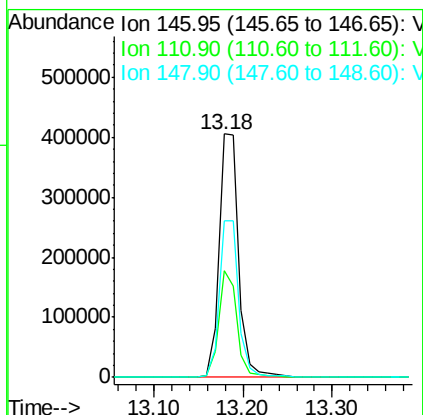
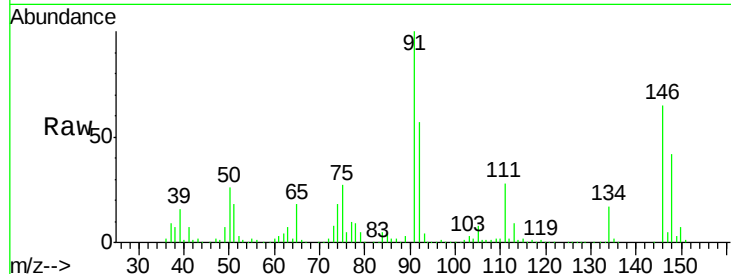




#91
 1,2-Dichlorobenzene
 Concen: 68.675 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

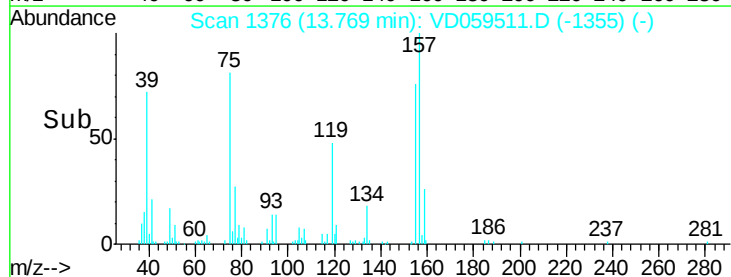
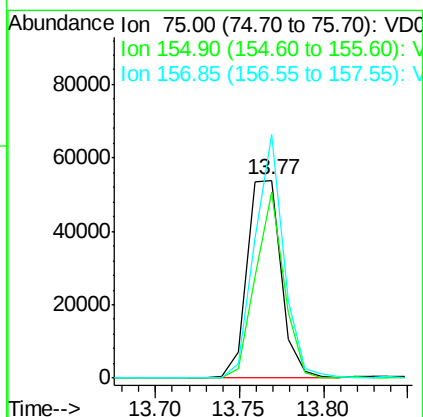
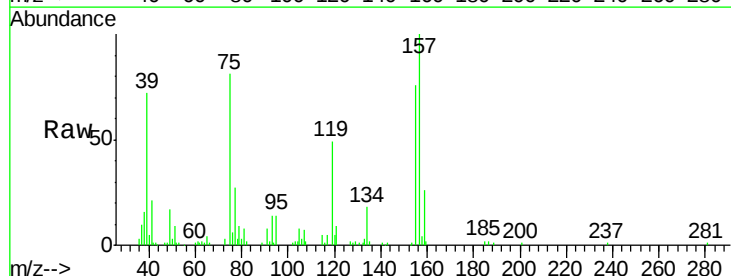
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

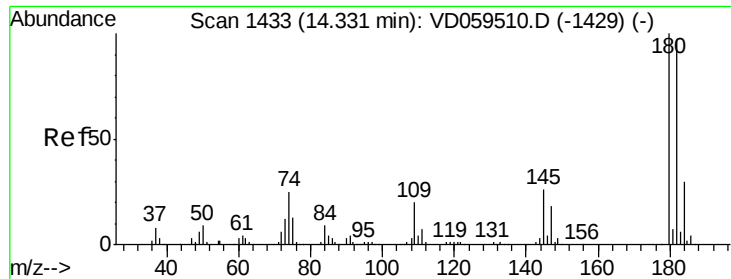
Tgt Ion: 146 Resp: 624821
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.3 63.9
 148 64.5 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.548 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion: 75 Resp: 75556
 Ion Ratio Lower Upper
 75 100
 155 93.9 32.8 98.4
 157 123.2 41.5 124.5

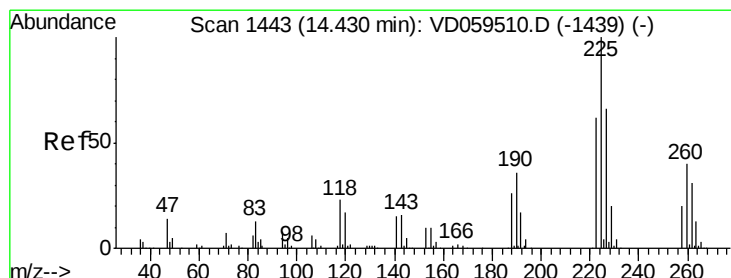
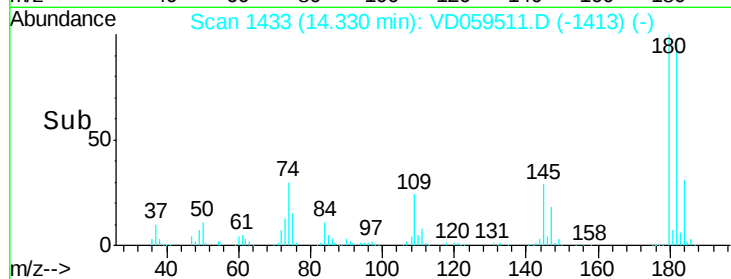
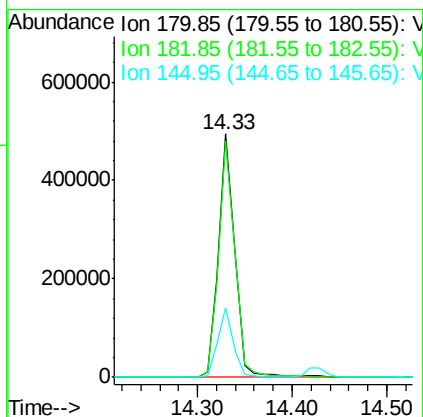
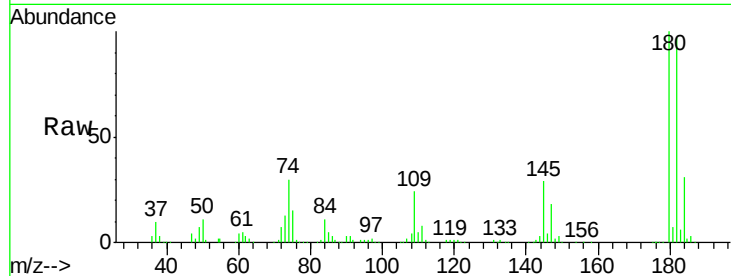




#93
 1,2,4-Trichlorobenzene
 Concen: 71.498 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

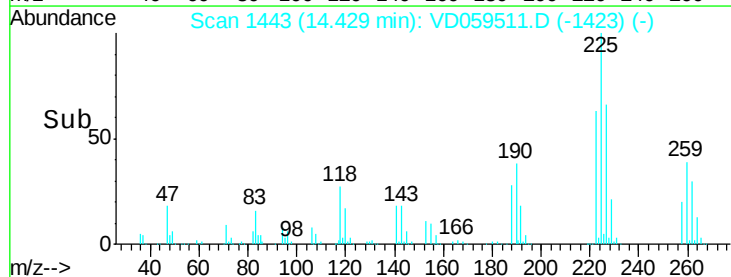
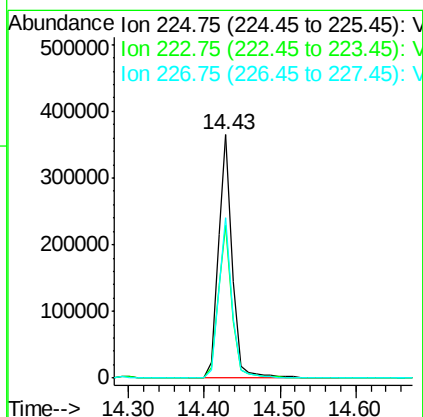
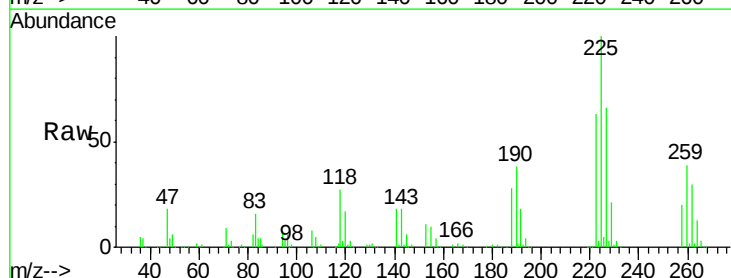
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

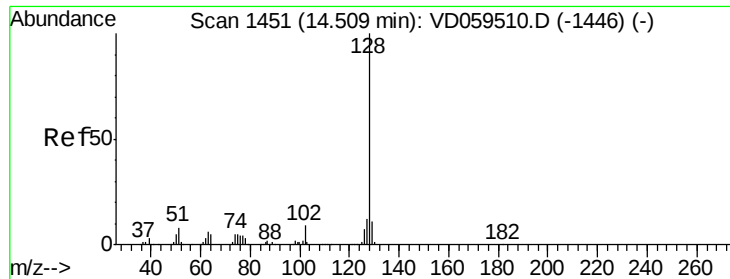
Tgt Ion:180 Resp: 591029
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.7 146.1
 145 28.7 13.2 39.6



#94
 Hexachlorobutadiene
 Concen: 76.400 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD059511.D
 Acq: 2 Jul 2018 19:01

Tgt Ion:225 Resp: 475693
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.0 93.0
 227 66.1 33.1 99.5

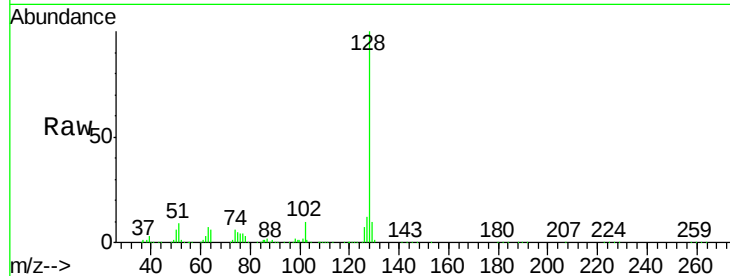




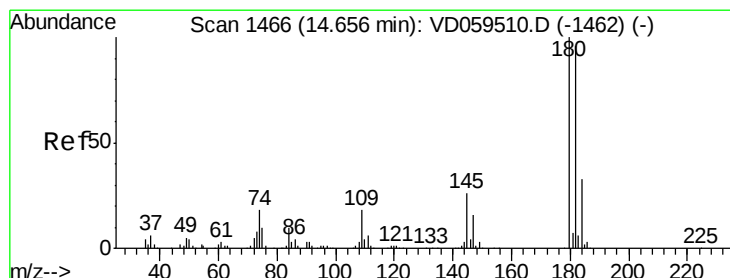
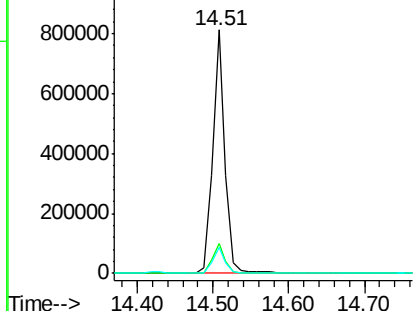
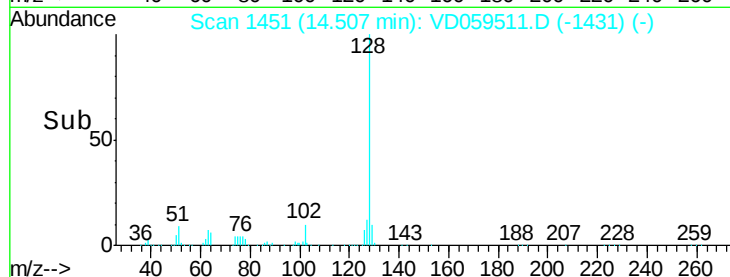
#95
Naphthalene
Concen: 78.388 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 924302
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.5 8.6 12.8

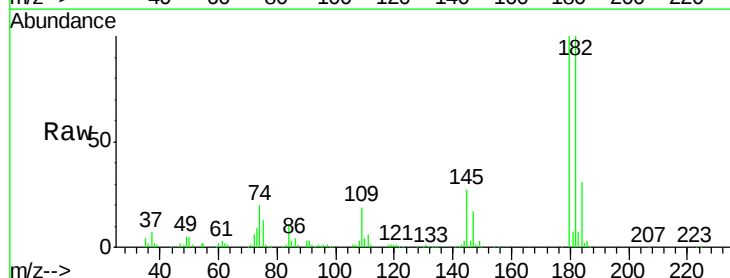


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 71.217 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VD059511.D
Acq: 2 Jul 2018 19:01

Tgt Ion:180 Resp: 530335
Ion Ratio Lower Upper
180 100
182 99.7 48.1 144.4
145 26.7 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

