

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059517.D
 Acq On : 2 Jul 2018 22:49
 Operator : VA/AP
 Sample : VD0702SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

Quant Time: Jul 03 09:07:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	637737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	937192	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	747511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	384516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	455421	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
35) Dibromofluoromethane	5.51	113	426380	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
50) Toluene-d8	8.68	98	962755	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	11.92	95	392304	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	148728	18.310	ug/l	99
3) Chloromethane	1.47	50	82060	21.321	ug/l	95
4) Vinyl Chloride	1.54	62	79414	20.684	ug/l	90
5) Bromomethane	1.76	94	25407	17.479	ug/l	89
6) Chloroethane	1.85	64	28313	16.388	ug/l	95
7) Trichlorofluoromethane	2.06	101	117127	18.442	ug/l	99
8) Diethyl Ether	2.32	74	25198	20.722	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.52	101	77591	20.081	ug/l	91
10) Methyl Iodide	2.67	142	67452	17.513	ug/l	97
11) Tert butyl alcohol	3.25	59	29904	108.435	ug/l #	79
12) 1,1-Dichloroethene	2.51	96	56626	19.183	ug/l	89
13) Acrolein	2.45	56	23926	152.272	ug/l #	76
14) Allyl chloride	2.90	41	131343	20.153	ug/l	95
15) Acrylonitrile	3.33	53	83434	109.453	ug/l	89
16) Acetone	2.59	43	121254	108.342	ug/l	95
17) Carbon Disulfide	2.73	76	157313	17.536	ug/l	99
18) Methyl Acetate	2.91	43	47500	19.627	ug/l #	91
19) Methyl tert-butyl Ether	3.38	73	157196	20.599	ug/l	94
20) Methylene Chloride	3.04	84	70603	16.283	ug/l	95
21) trans-1,2-Dichloroethene	3.36	96	64488	19.781	ug/l	92
22) Diisopropyl ether	4.04	45	484585	20.392	ug/l	97
23) Vinyl Acetate	3.99	43	1348579	102.849	ug/l	99
24) 1,1-Dichloroethane	3.94	63	270637	20.116	ug/l	99
25) 2-Butanone	4.82	43	241608	103.790	ug/l	94
26) 2,2-Dichloropropane	4.77	77	212828	19.349	ug/l	98
27) cis-1,2-Dichloroethene	4.77	96	146775	20.793	ug/l	96
28) Bromochloromethane	5.12	49	120143	23.278	ug/l	100
29) Tetrahydrofuran	5.16	42	125651	105.993	ug/l	98
30) Chloroform	5.29	83	285981	20.151	ug/l	98
31) Cyclohexane	5.56	56	195379	19.168	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	226730	20.164	ug/l	98
36) 1,1-Dichloropropene	5.71	75	202640	20.136	ug/l	96
37) Ethyl Acetate	4.89	43	117434	20.977	ug/l #	95
38) Carbon Tetrachloride	5.69	117	191749	19.383	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	180718	19.716	ug/l	95
40) Benzene	5.99	78	453291	19.570	ug/l	97
41) Methacrylonitrile	5.10	41	61773	21.755	ug/l #	93
42) 1,2-Dichloroethane	6.10	62	206849	19.962	ug/l	95
43) Isopropyl Acetate	7.59	43	150707	20.345	ug/l #	100
44) Trichloroethene	6.95	130	136090	19.357	ug/l	93
45) 1,2-Dichloropropane	7.33	63	125161	19.330	ug/l	92
46) Dibromomethane	7.44	93	85015	19.403	ug/l	93
47) Bromodichloromethane	7.72	83	200608	19.670	ug/l	99
48) Methyl methacrylate	7.48	41	97028	21.003	ug/l	96
49) 1,4-Dioxane	7.46	88	16511	383.562	ug/l #	81
51) 4-Methyl-2-Pentanone	8.58	43	523436	108.207	ug/l	97
52) Toluene	8.78	92	249043	19.477	ug/l	88
53) t-1,3-Dichloropropene	9.17	75	179830	20.246	ug/l	96
54) cis-1,3-Dichloropropene	8.34	75	198689	19.288	ug/l	98
55) 1,1,2-Trichloroethane	9.43	97	92661	19.762	ug/l	93
56) Ethyl methacrylate	9.29	69	118863	20.234	ug/l	94
57) 1,3-Dichloropropane	9.65	76	163136	19.313	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.16	63	298604	105.091	ug/l	100
59) 2-Hexanone	9.77	43	356729	100.264	ug/l	98
60) Dibromochloromethane	9.93	129	125937	19.244	ug/l	91
61) 1,2-Dibromoethane	10.07	107	99124	19.096	ug/l	100
64) Tetrachloroethene	9.49	164	132325	20.582	ug/l	95
65) Chlorobenzene	10.70	112	292878	20.339	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.83	131	115135	19.634	ug/l	97
67) Ethyl Benzene	10.84	91	516820	20.240	ug/l	94
68) m/p-Xylenes	11.00	106	339007	40.243	ug/l	92
69) o-Xylene	11.39	106	171998	21.190	ug/l	99
70) Styrene	11.42	104	288364	21.192	ug/l	94
71) Bromoform	11.59	173	86879	19.628	ug/l	98
73) Isopropylbenzene	11.77	105	470443	20.474	ug/l	99
74) N-amyl acetate	11.64	43	202205	20.851	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.06	83	124514	20.914	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	130532	21.036	ug/l	100
77) Bromobenzene	12.03	156	147382	20.435	ug/l	91
78) n-propylbenzene	12.14	91	614856	19.975	ug/l	97
79) 2-Chlorotoluene	12.21	91	373305	20.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	394326	21.113	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.83	75	29249	18.999	ug/l	99
82) 4-Chlorotoluene	12.32	91	423697	20.650	ug/l	91
83) tert-Butylbenzene	12.56	119	420224	19.778	ug/l	89
84) 1,2,4-Trimethylbenzene	12.61	105	409779	20.424	ug/l	98
85) sec-Butylbenzene	12.75	105	507739	20.824	ug/l	98
86) p-Isopropyltoluene	12.88	119	433786	21.208	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	245425	19.876	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	249210	20.561	ug/l	97
89) n-Butylbenzene	13.18	91	441774	21.179	ug/l	98
90) Hexachloroethane	13.39	117	104661	19.750	ug/l	95
91) 1,2-Dichlorobenzene	13.18	146	220215	21.201	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.76	75	20854	20.320	ug/l	85

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Quant Title : SW846 8260
QLast Update : Tue Jul 03 09:04:17 2018
Response via : Initial Calibration

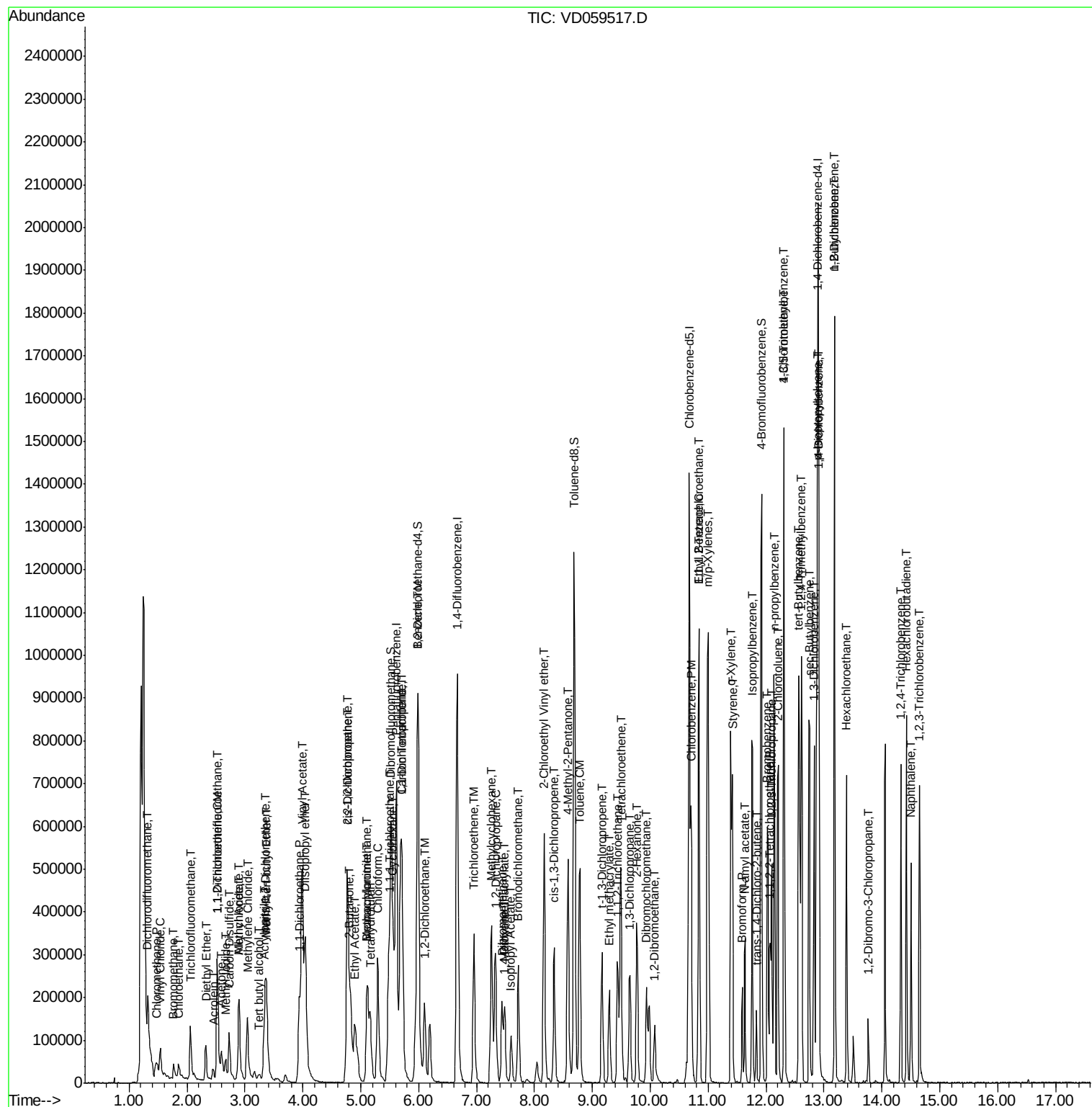
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	181198	19.681	ug/l	98
94) Hexachlorobutadiene	14.42	225	138967	19.733	ug/l	96
95) Naphthalene	14.50	128	283839	20.727	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	157864	19.499	ug/l	98

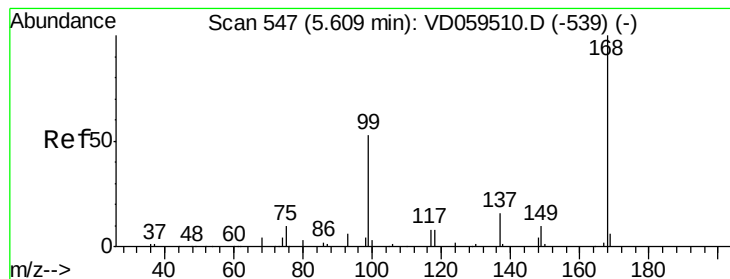
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 03 09:04:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

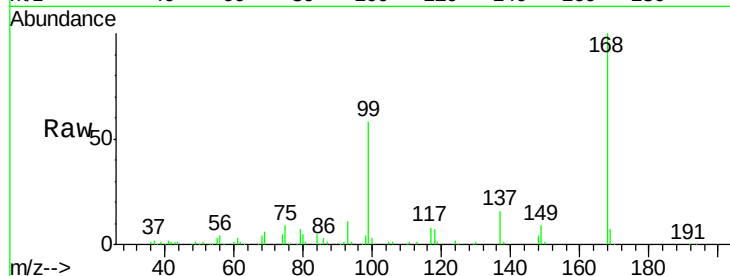
VD0702SBSD01

Tot Ion:168 Resp: 637737

Ion Ratio Lower Upper

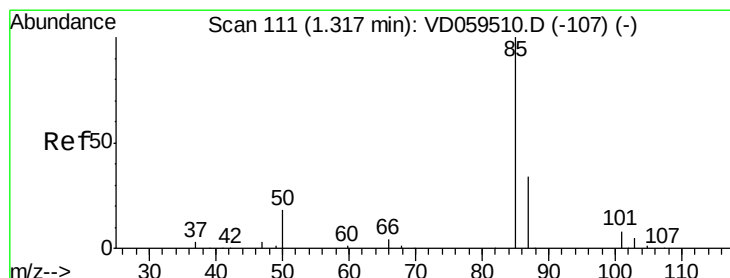
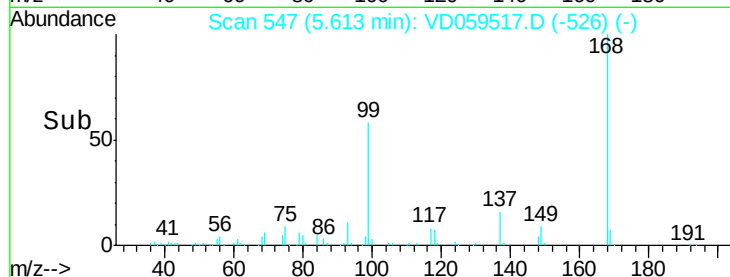
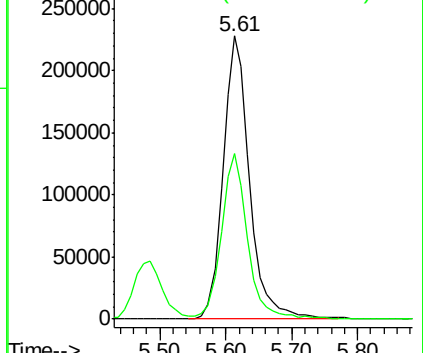
168 100

99 58.4 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: 18.310 ug/l

RT: 1.32 min Scan# 111

Delta R.T. 0.00 min

Lab File: VD059517.D

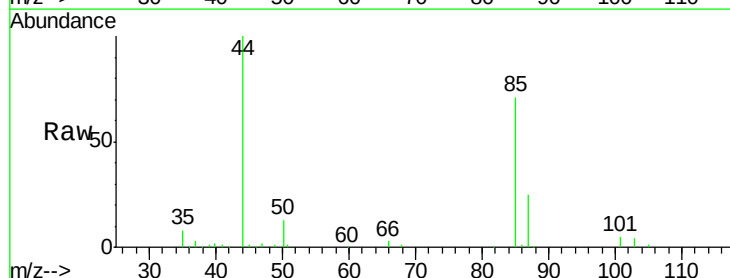
Acq: 2 Jul 2018 22:49

Tgt Ion: 85 Resp: 148728

Ion Ratio Lower Upper

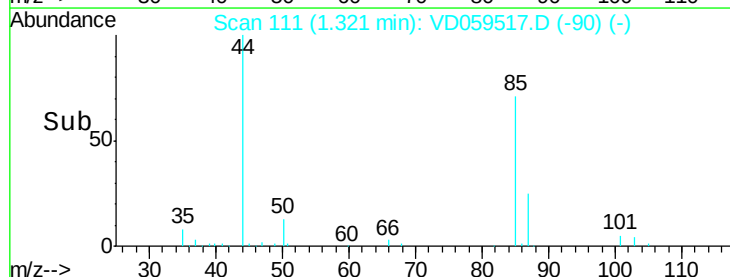
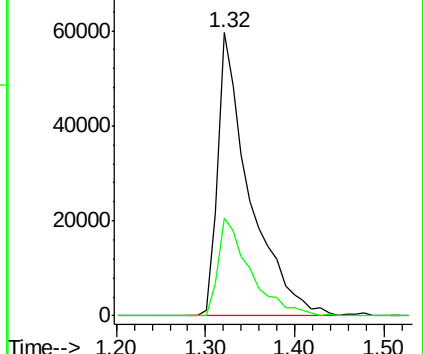
85 100

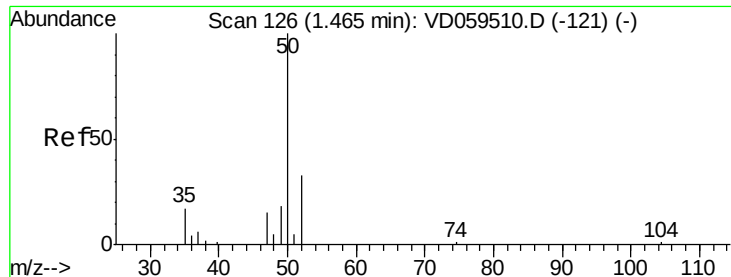
87 34.4 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.321 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

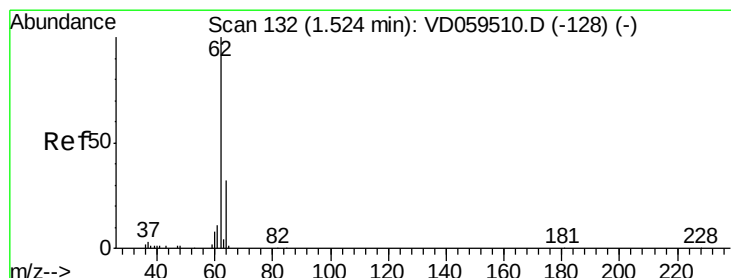
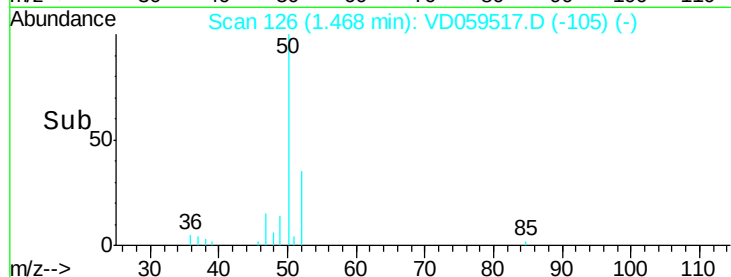
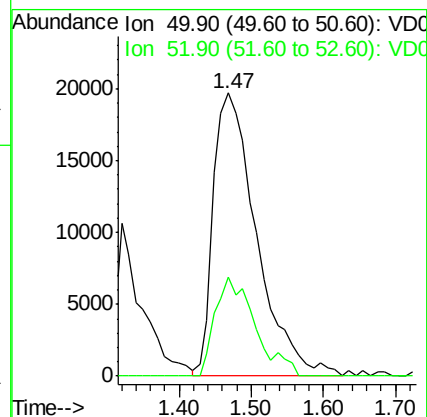
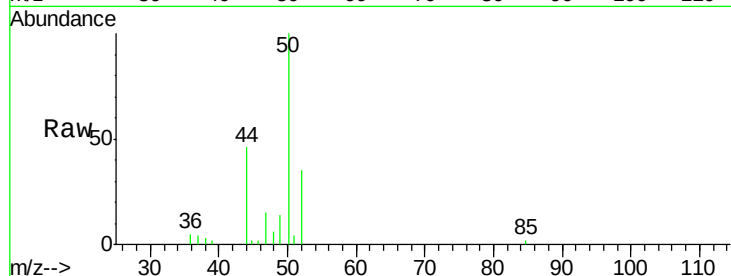
VD0702SBSD01

Tot Ion: 50 Resp: 82060

Ion Ratio Lower Upper

50 100

52 35.0 25.8 38.6



#4

Vinyl Chloride

Concen: 20.684 ug/l

RT: 1.54 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059517.D

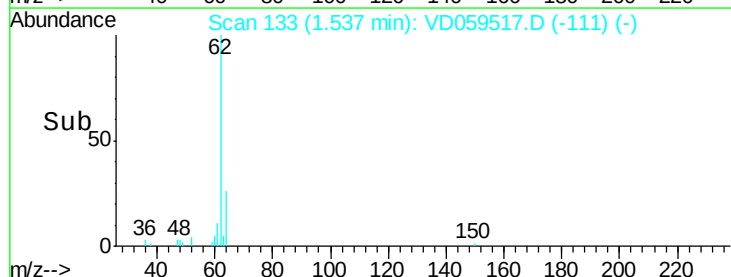
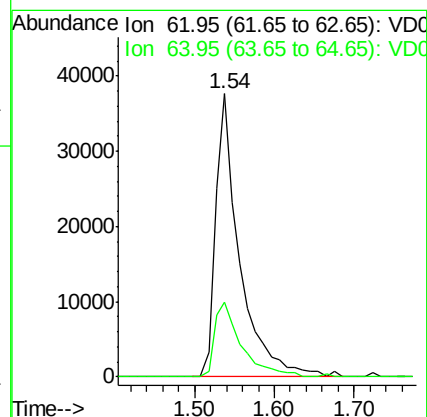
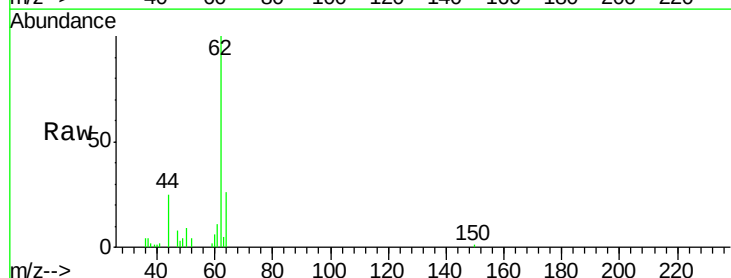
Acq: 2 Jul 2018 22:49

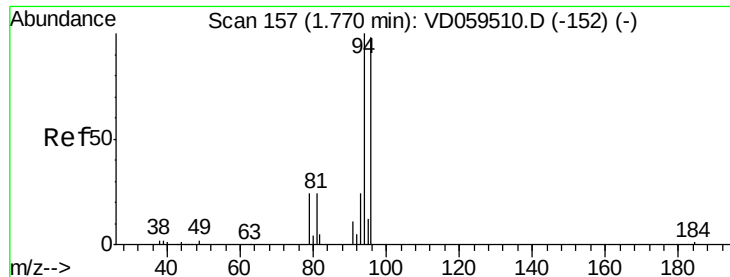
Tgt Ion: 62 Resp: 79414

Ion Ratio Lower Upper

62 100

64 26.5 25.4 38.2





#5

Bromomethane

Concen: 17.479 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

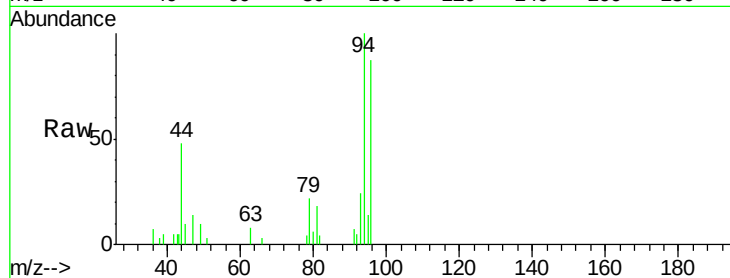
VD0702SBS01

Tot Ion: 94 Resp: 25407

Ion Ratio Lower Upper

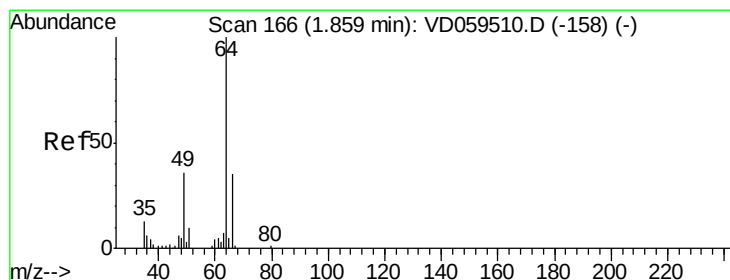
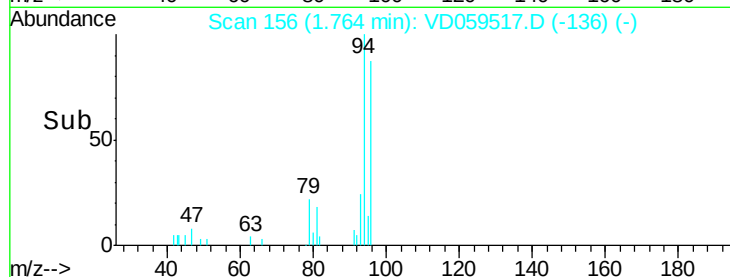
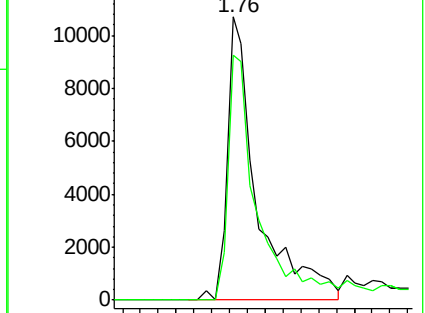
94 100

96 86.6 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: 16.388 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.01 min

Lab File: VD059517.D

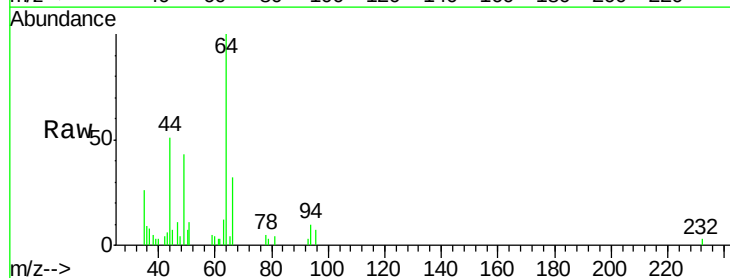
Acq: 2 Jul 2018 22:49

Tgt Ion: 64 Resp: 28313

Ion Ratio Lower Upper

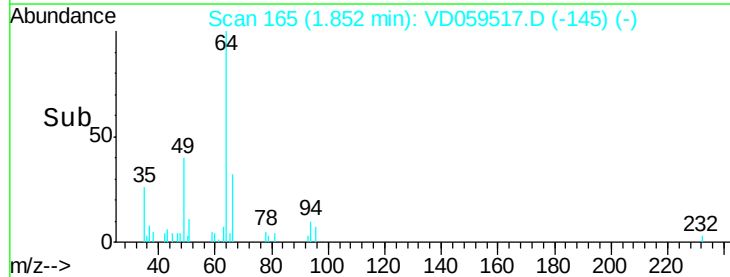
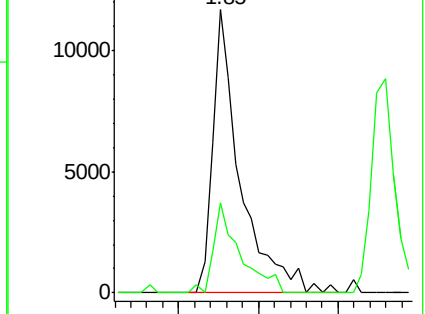
64 100

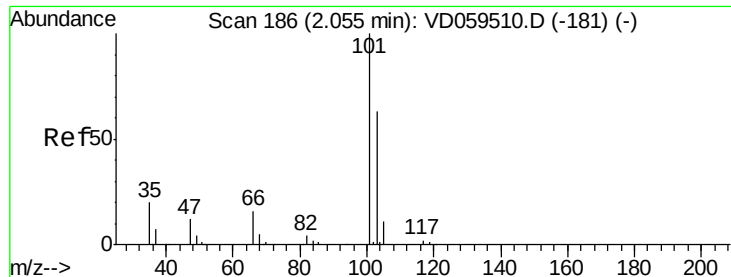
66 31.9 27.6 41.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



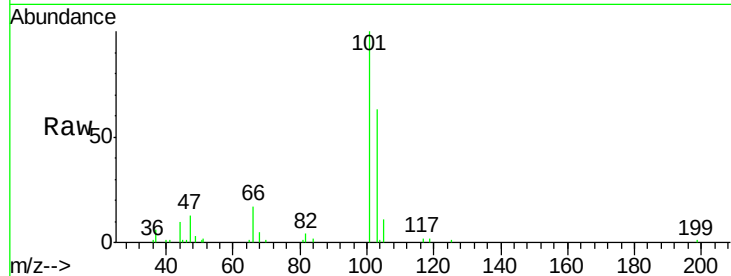


#7

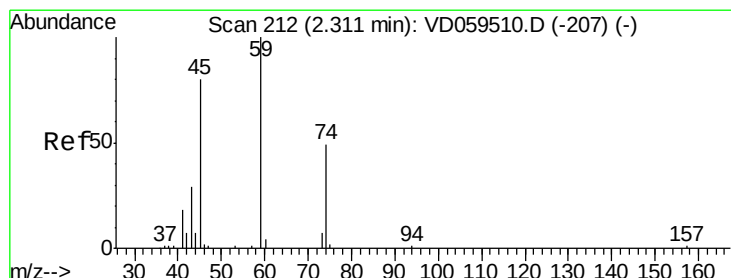
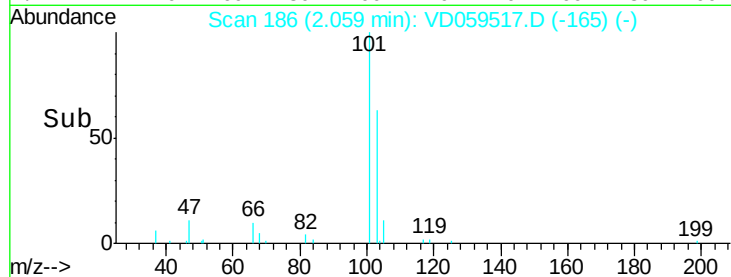
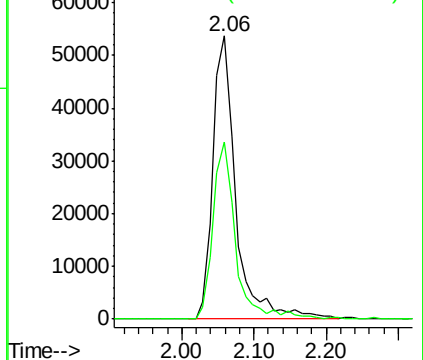
Trichlorofluoromethane
 Concen: 18.442 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Instrument :
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Tot Ion:101 Resp: 117127
 Ion Ratio Lower Upper
 101 100
 103 62.5 50.6 76.0



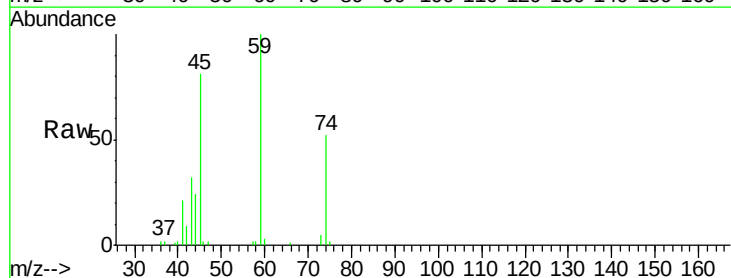
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



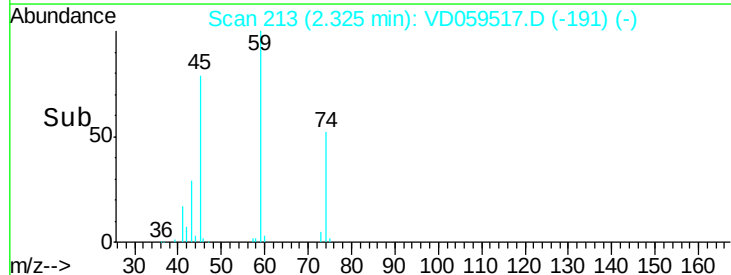
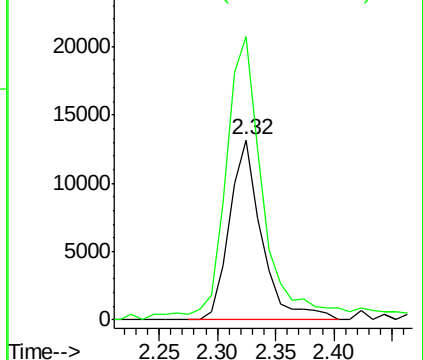
#8

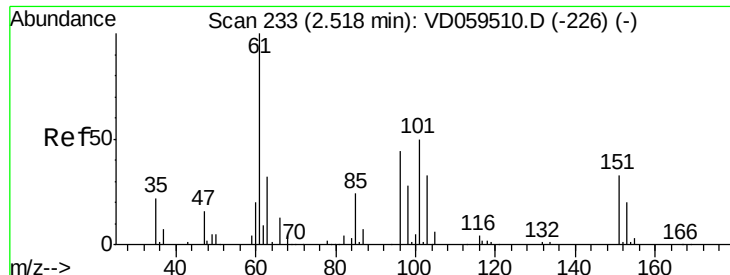
Diethyl Ether
 Concen: 20.722 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 74 Resp: 25198
 Ion Ratio Lower Upper
 74 100
 45 157.3 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: 20.081 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

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VD0702SBSD01

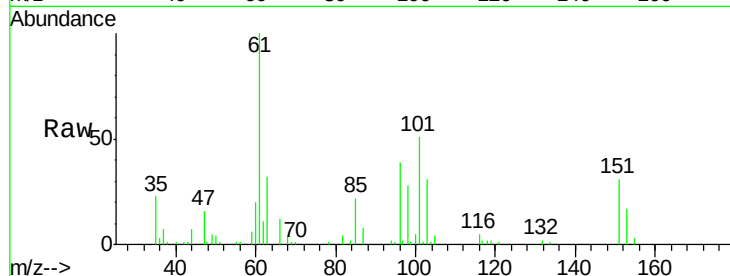
Tot Ion:101 Resp: 77591

Ion Ratio Lower Upper

101 100

85 42.0 38.8 58.2

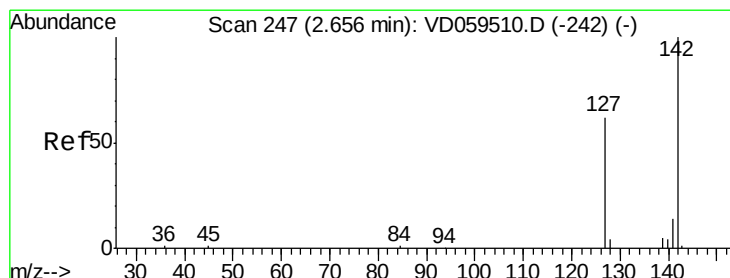
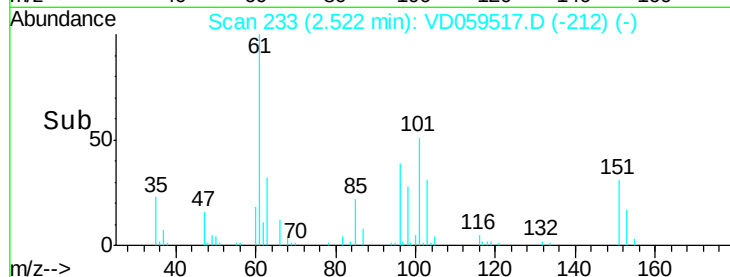
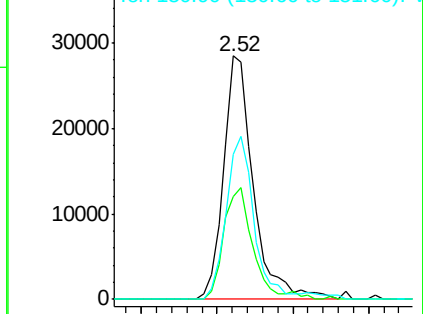
151 59.4 52.6 79.0



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: 17.513 ug/l

RT: 2.67 min Scan# 248

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

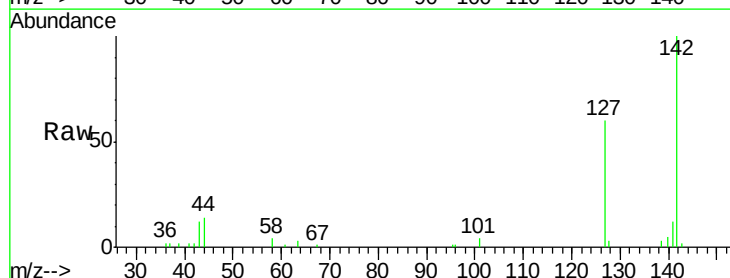
Tgt Ion:142 Resp: 67452

Ion Ratio Lower Upper

142 100

127 59.8 49.8 74.8

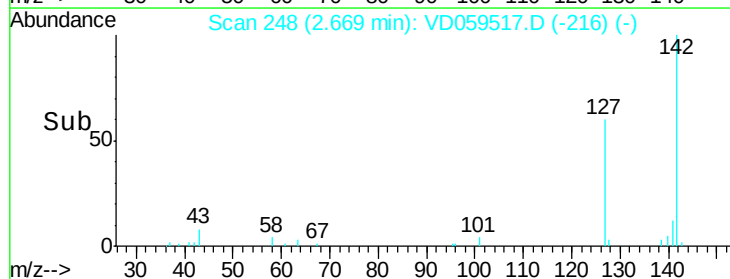
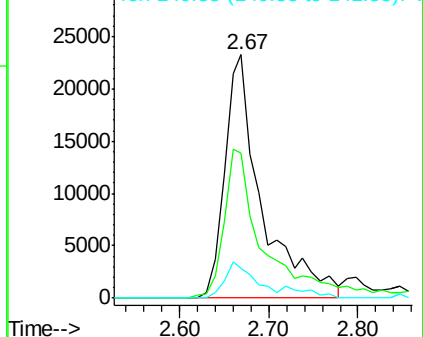
141 12.2 11.1 16.7

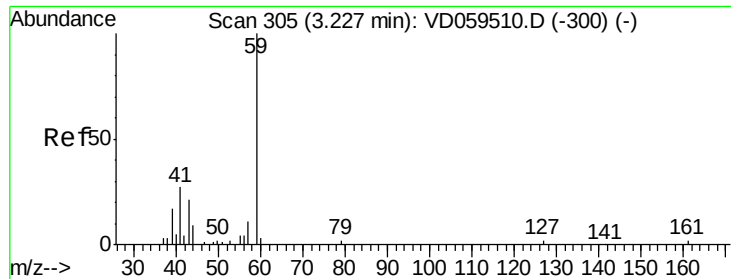


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

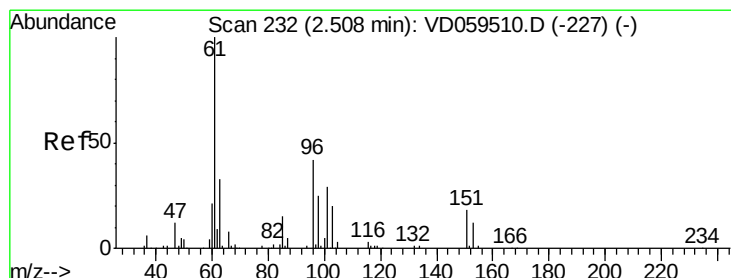
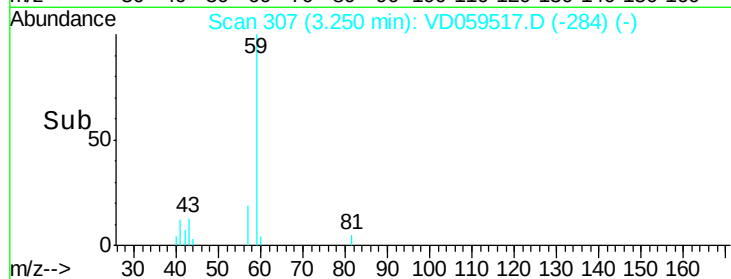
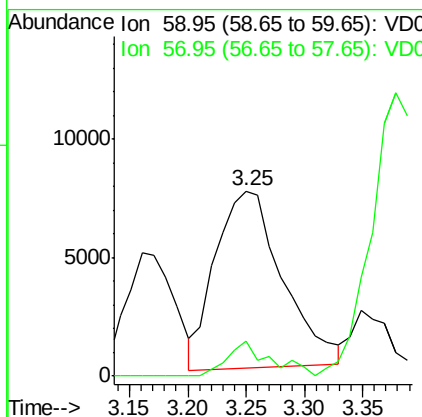
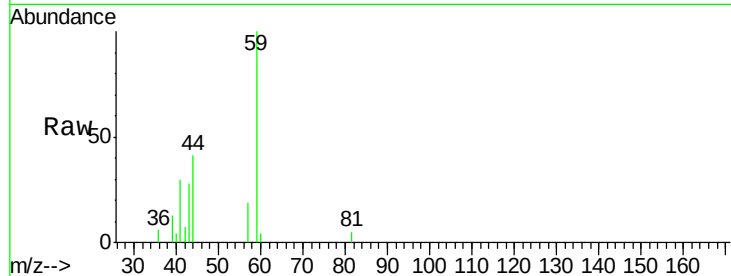




#11
Tert butyl alcohol
Concen: 108.435 ug/l
RT: 3.25 min Scan# 307
Delta R.T. 0.02 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

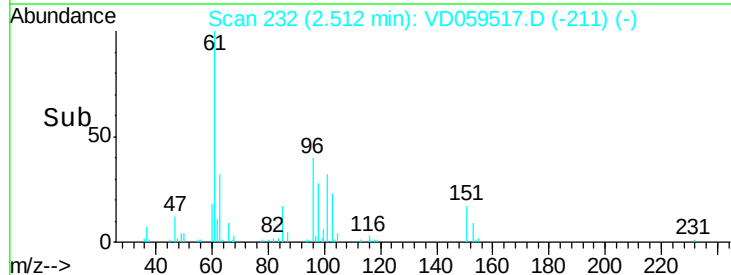
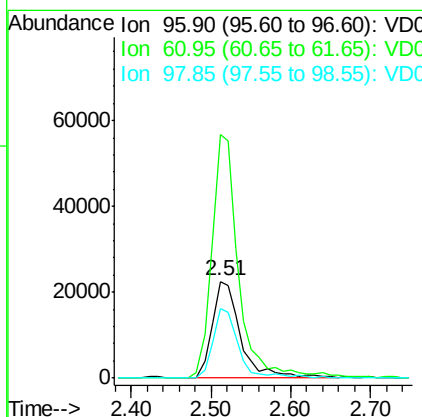
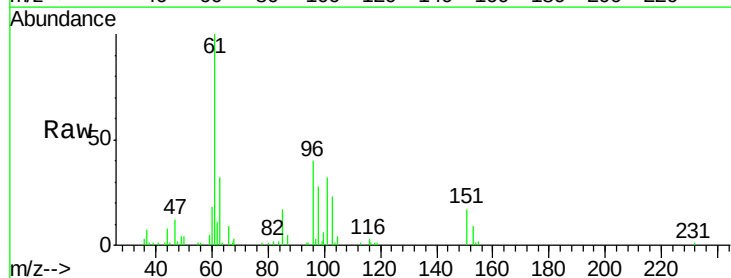
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

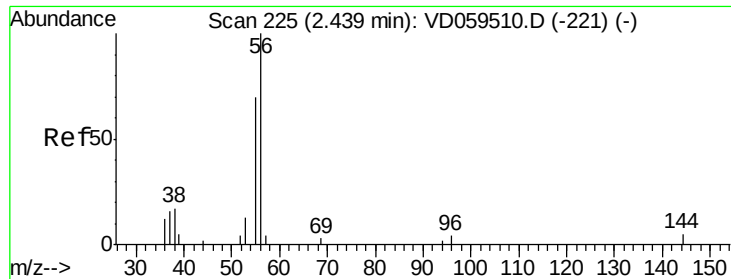
Tot Ion: 59 Resp: 29904
Ion Ratio Lower Upper
59 100
57 18.6 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 19.183 ug/l
RT: 2.51 min Scan# 232
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion: 96 Resp: 56626
Ion Ratio Lower Upper
96 100
61 252.5 189.4 284.0
98 71.7 47.9 71.9





#13

Acrolein

Concen: 152.272 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

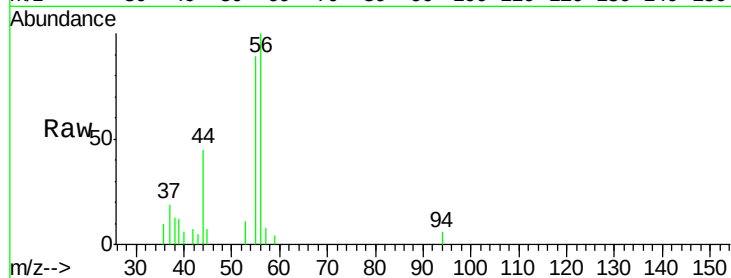
VD0702SBSD01

Tot Ion: 56 Resp: 23926

Ion Ratio Lower Upper

56 100

55 89.4 56.0 84.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.45

10000

8000

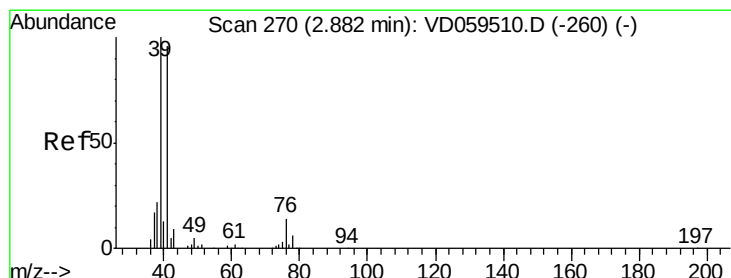
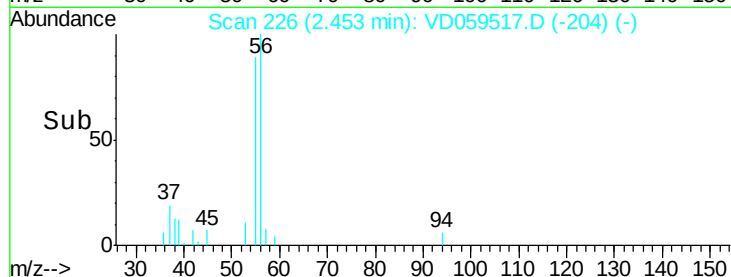
6000

4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 20.153 ug/l

RT: 2.90 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

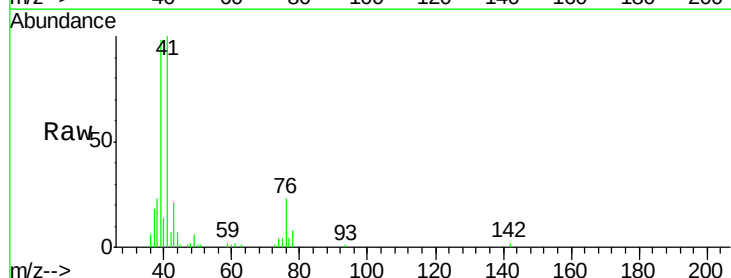
Tgt Ion: 41 Resp: 131343

Ion Ratio Lower Upper

41 100

39 98.3 83.8 125.8

76 22.9 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

2.90

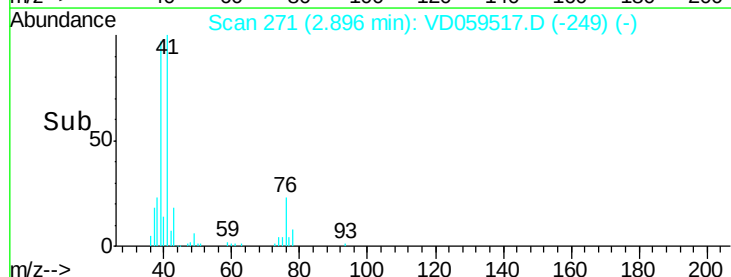
60000

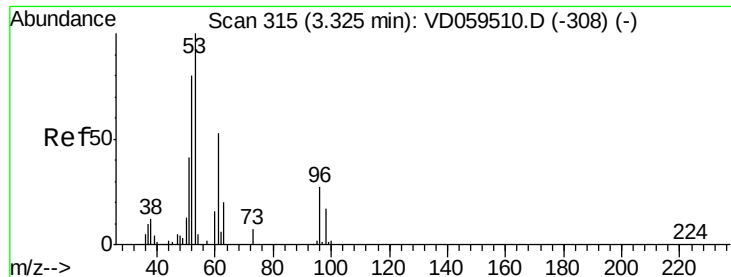
40000

20000

0

Time--> 2.80 2.90 3.00





#15

Acrylonitrile

Concen: 109.453 ug/l

RT: 3.33 min Scan# 315

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

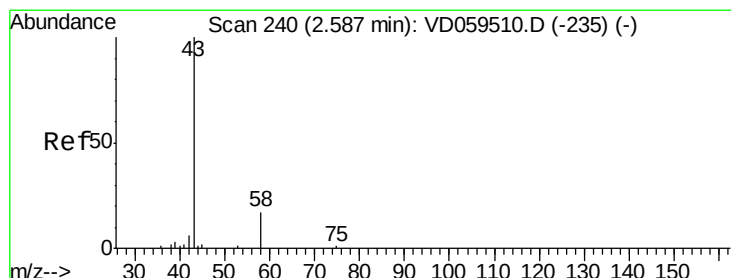
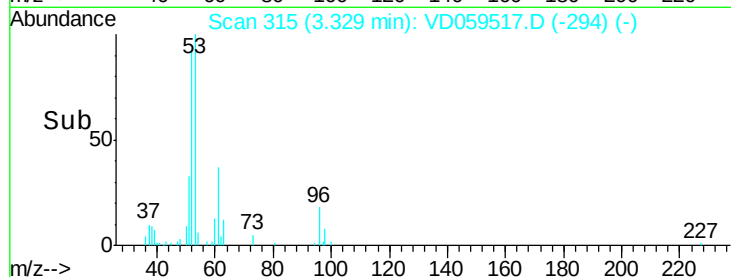
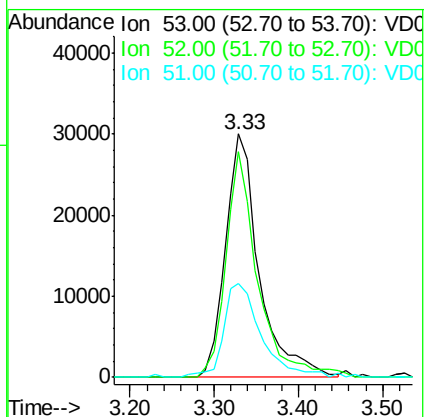
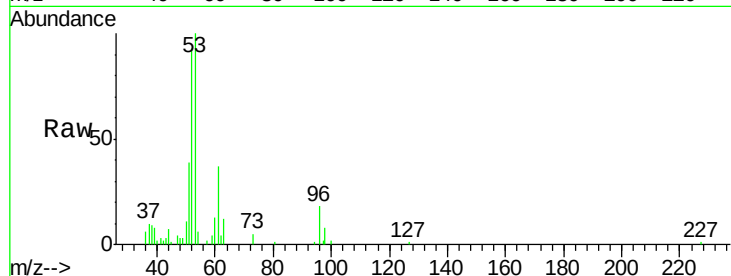
Tot Ion: 53 Resp: 83434

Ion Ratio Lower Upper

53 100

52 92.7 64.3 96.5

51 38.5 33.0 49.4



#16

Acetone

Concen: 108.342 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059517.D

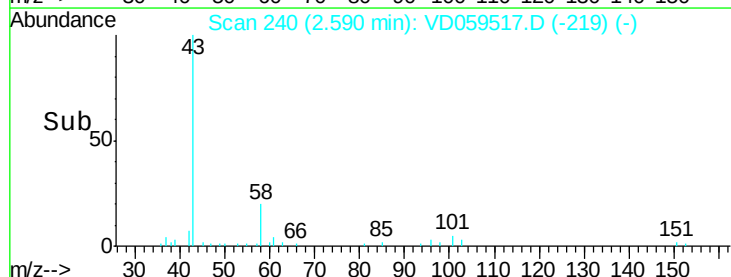
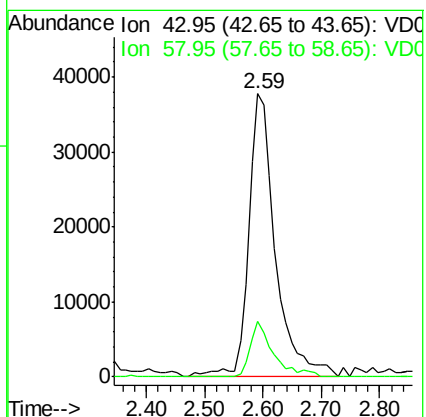
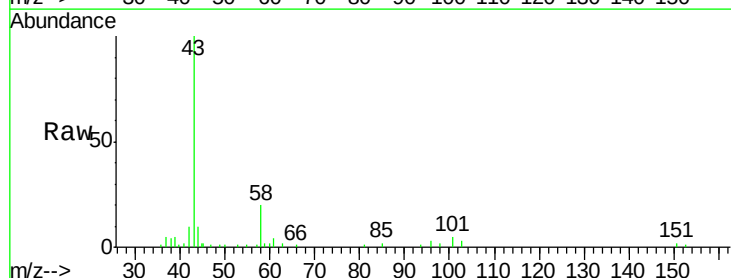
Acq: 2 Jul 2018 22:49

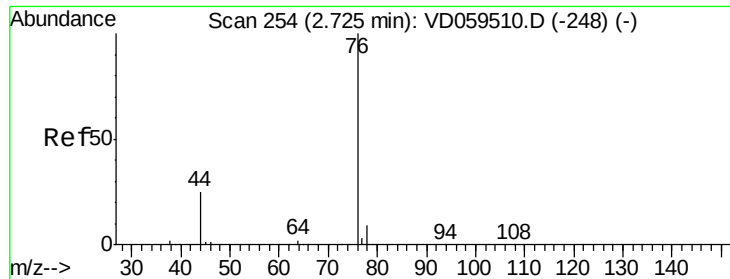
Tgt Ion: 43 Resp: 121254

Ion Ratio Lower Upper

43 100

58 19.6 13.8 20.8





#17

Carbon Disulfide

Concen: 17.536 ug/l

RT: 2.73 min Scan# 254

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

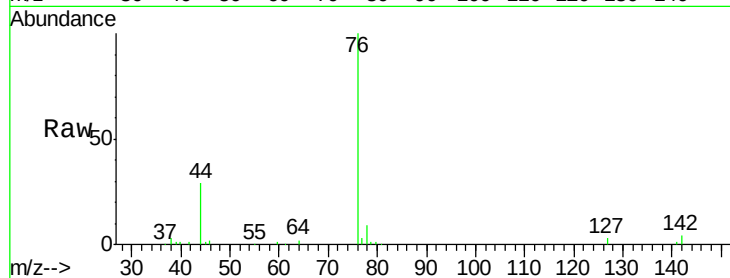
VD0702SBSD01

Tot Ion: 76 Resp: 157313

Ion Ratio Lower Upper

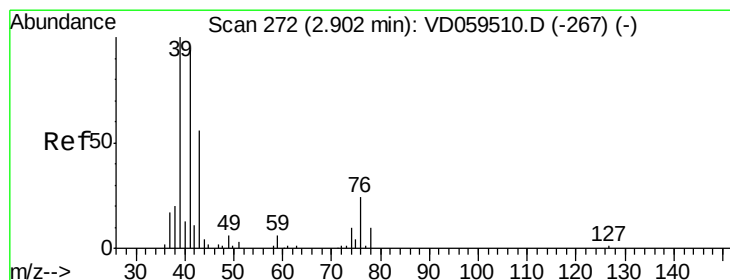
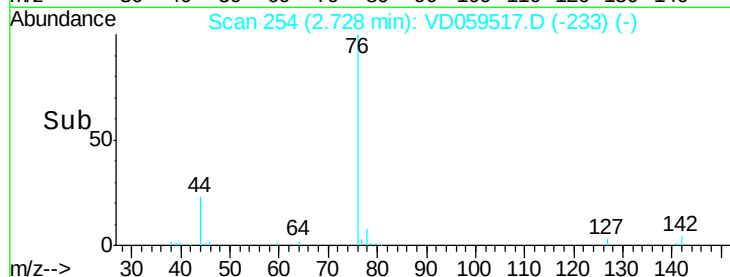
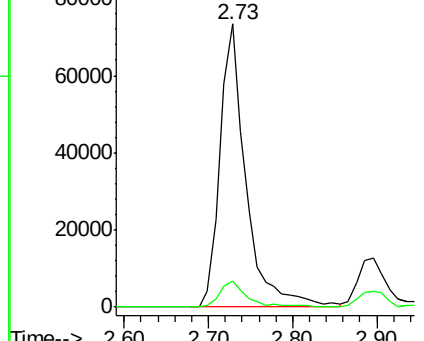
76 100

78 9.0 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: 19.627 ug/l

RT: 2.91 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059517.D

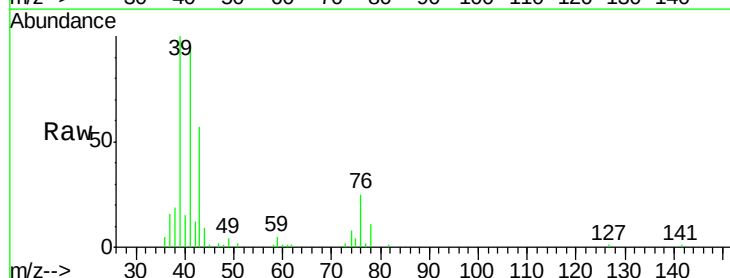
Acq: 2 Jul 2018 22:49

Tgt Ion: 43 Resp: 47500

Ion Ratio Lower Upper

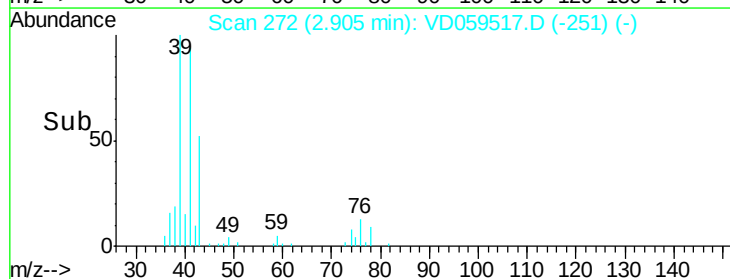
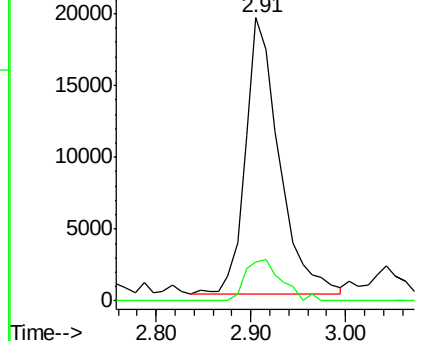
43 100

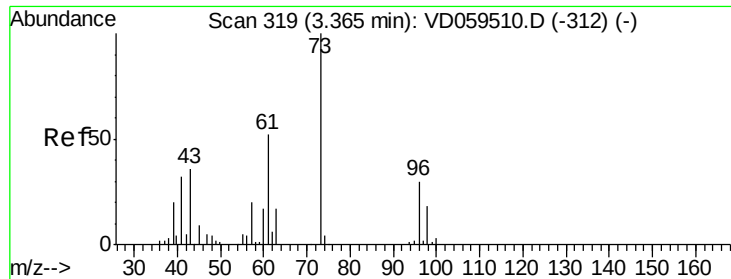
74 13.6 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

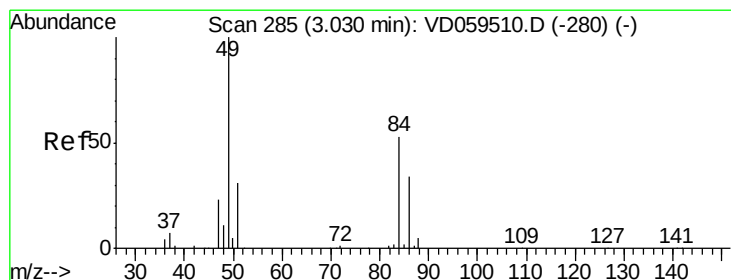
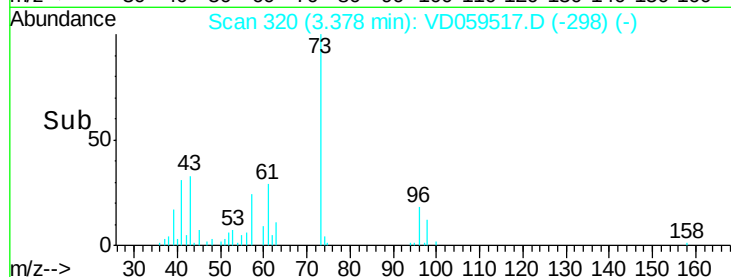
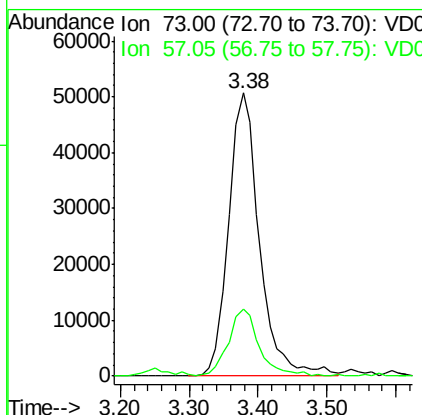
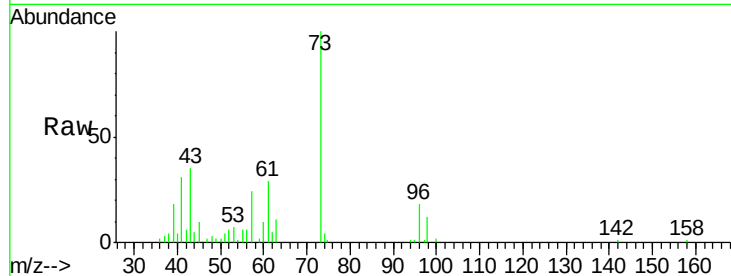




#19
Methyl tert-butyl Ether
Concen: 20.599 ug/l
RT: 3.38 min Scan# 320
Delta R.T. 0.01 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

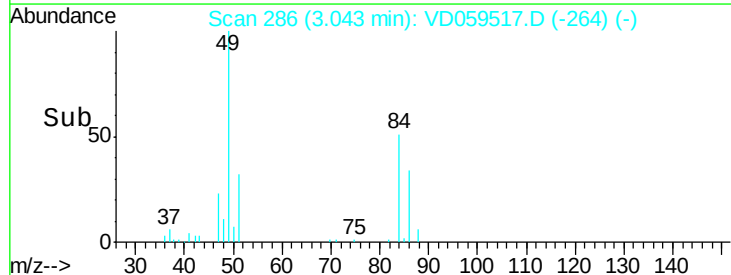
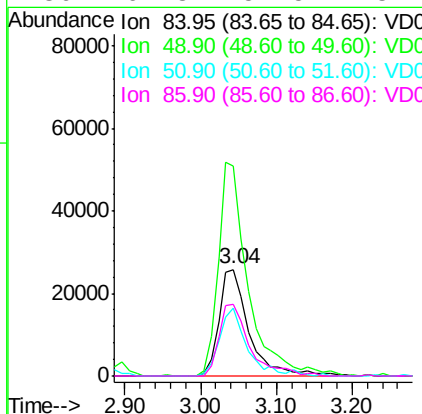
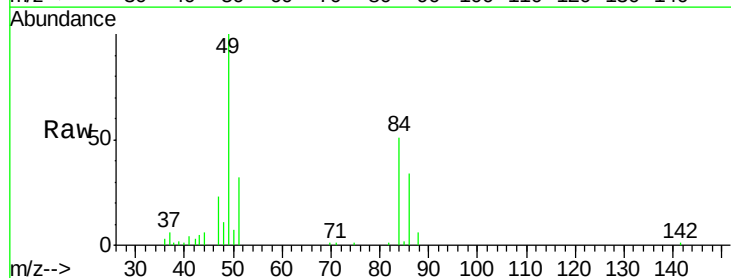
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

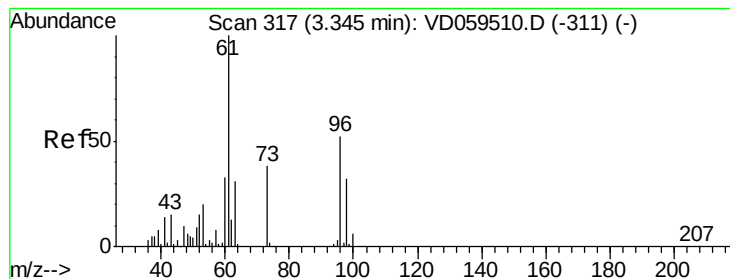
Tot Ion: 73 Resp: 157196
Ion Ratio Lower Upper
73 100
57 23.6 16.5 24.7



#20
Methylene Chloride
Concen: 16.283 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion: 84 Resp: 70603
Ion Ratio Lower Upper
84 100
49 197.0 152.2 228.2
51 63.2 46.5 69.7
86 67.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.781 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

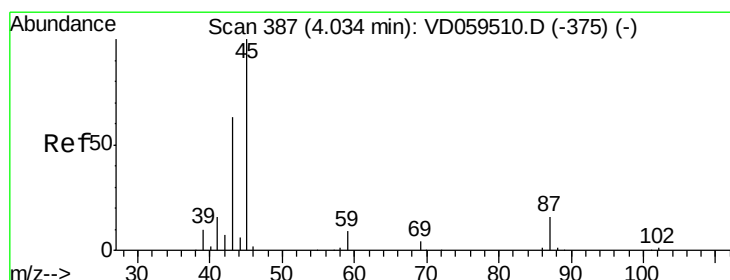
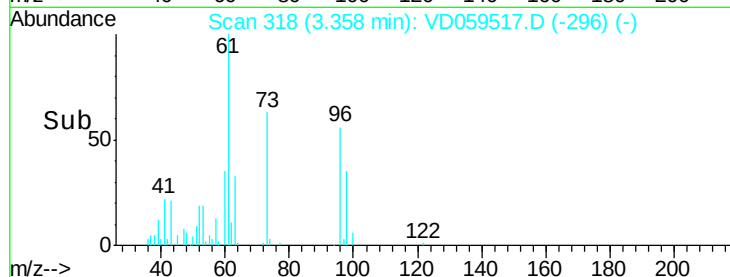
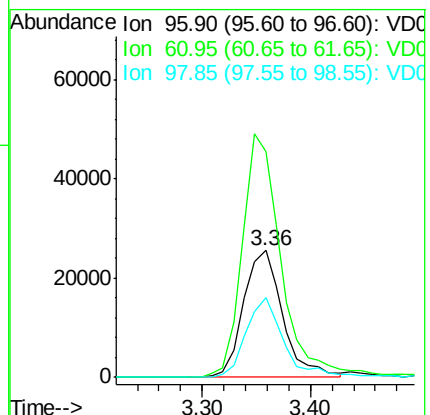
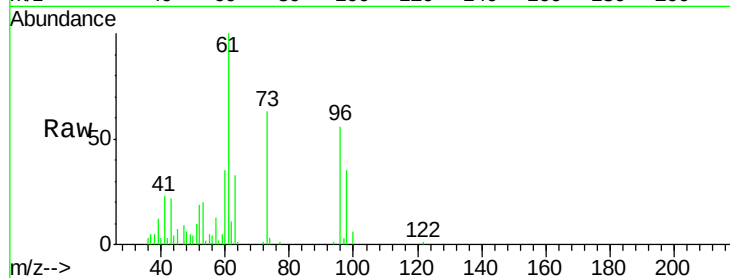
Tot Ion: 96 Resp: 64488

Ion Ratio Lower Upper

96 100

61 177.9 154.7 232.1

98 62.5 49.9 74.9



#22

Diisopropyl ether

Concen: 20.392 ug/l

RT: 4.04 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Tgt Ion: 45 Resp: 484585

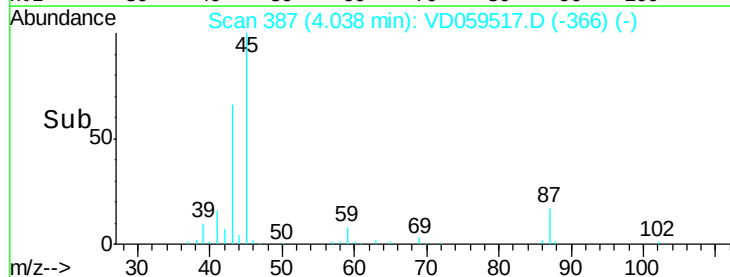
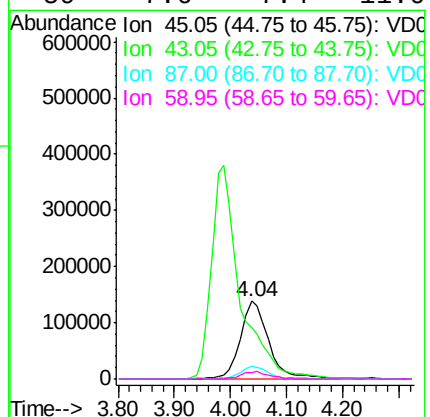
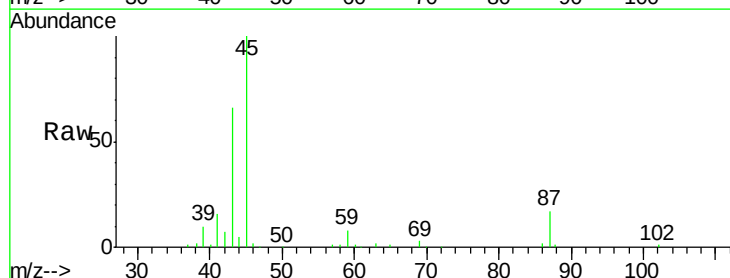
Ion Ratio Lower Upper

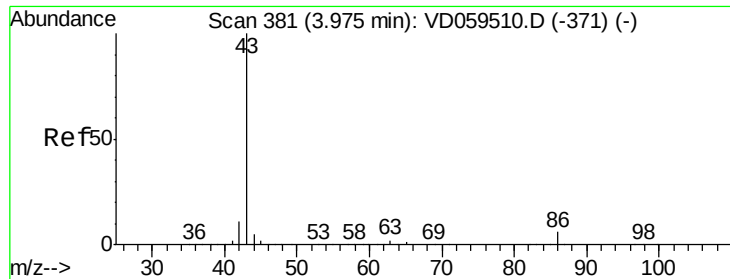
45 100

43 66.0 50.7 76.1

87 17.3 13.4 20.0

59 7.6 7.4 11.0





#23

Vinyl Acetate

Concen: 102.849 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

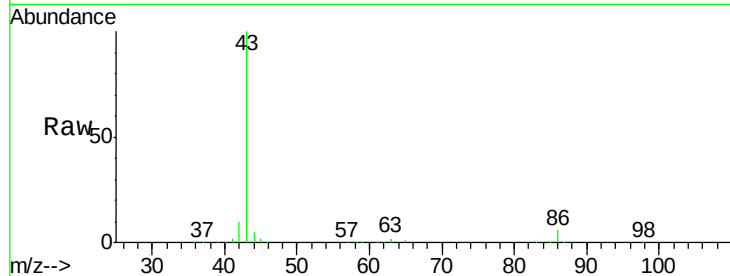
VD0702SBS01

Tot Ion: 43 Resp: 1348579

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

3.99

400000

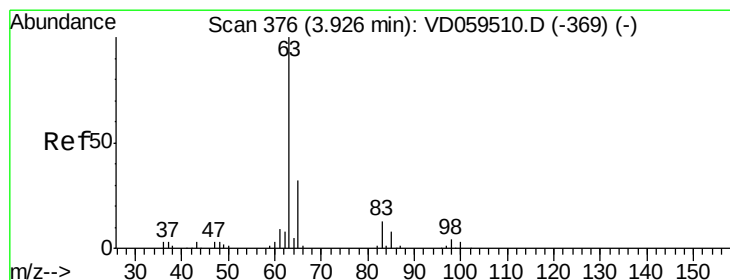
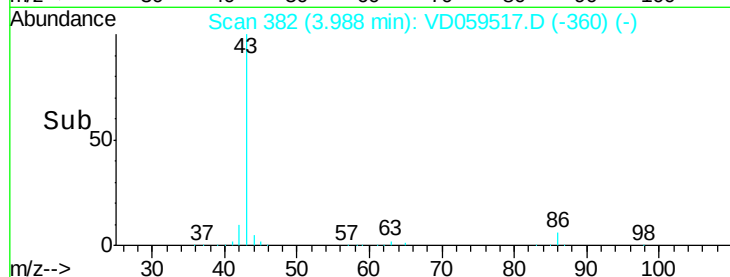
300000

200000

100000

0

Time--> 3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 20.116 ug/l

RT: 3.94 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

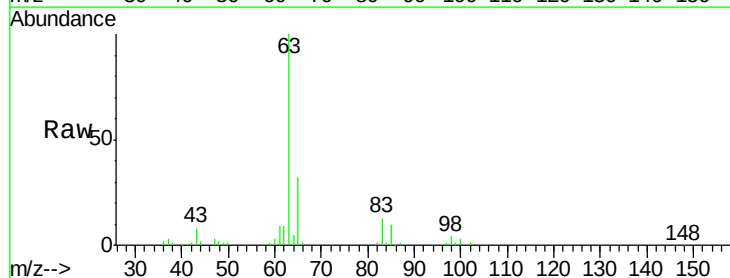
Tgt Ion: 63 Resp: 270637

Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 3.1 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

3.94

120000

100000

80000

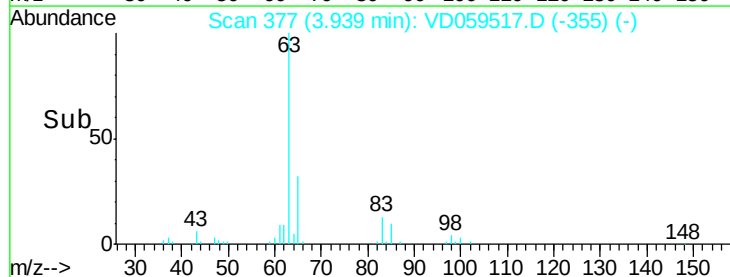
60000

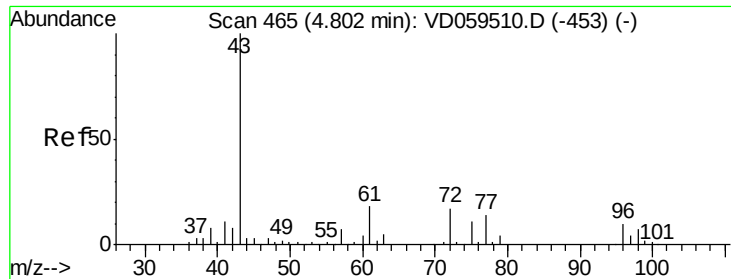
40000

20000

0

Time--> 3.80 3.90 4.00 4.10





#25

2-Butanone

Concen: 103.790 ug/l

RT: 4.82 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

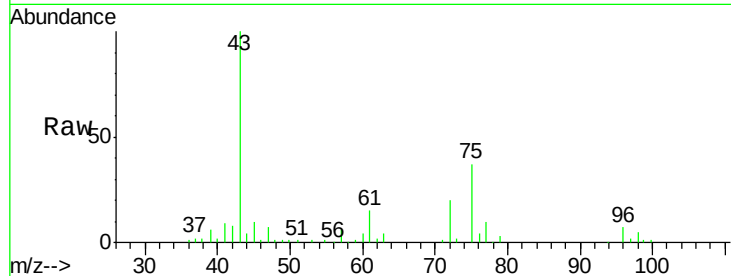
VD0702SBSD01

Tot Ion: 43 Resp: 241608

Ion Ratio Lower Upper

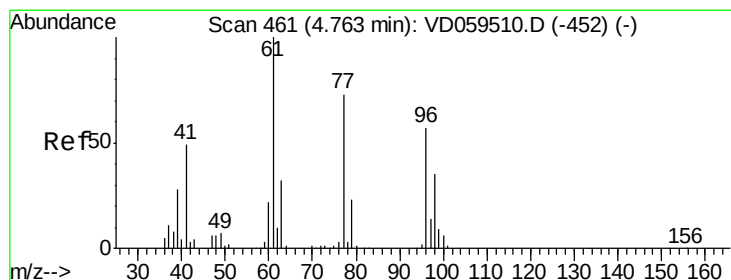
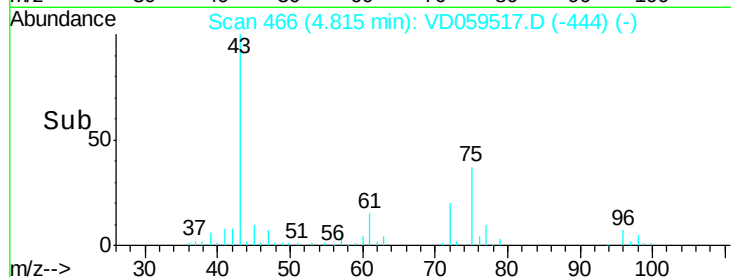
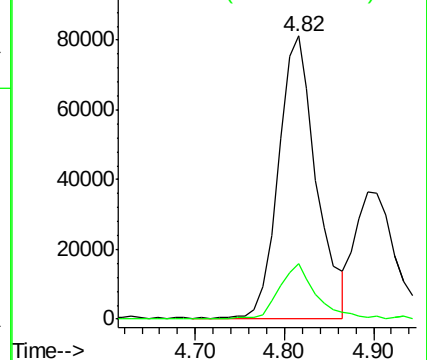
43 100

72 19.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.349 ug/l

RT: 4.77 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059517.D

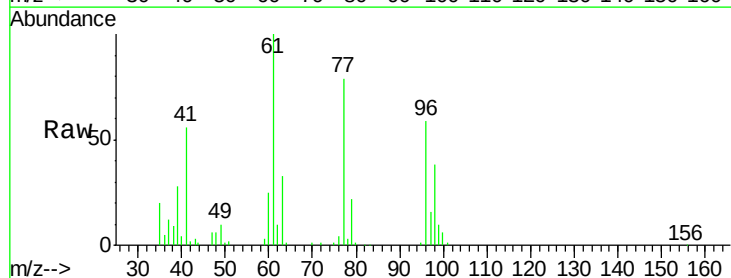
Acq: 2 Jul 2018 22:49

Tgt Ion: 77 Resp: 212828

Ion Ratio Lower Upper

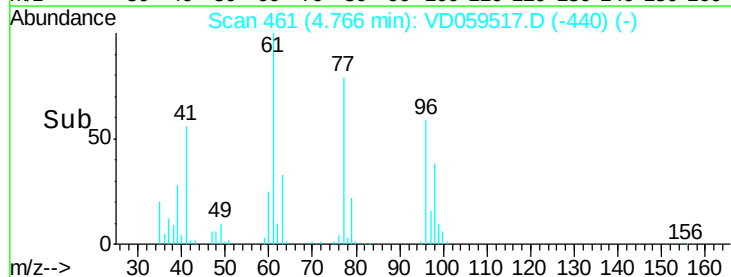
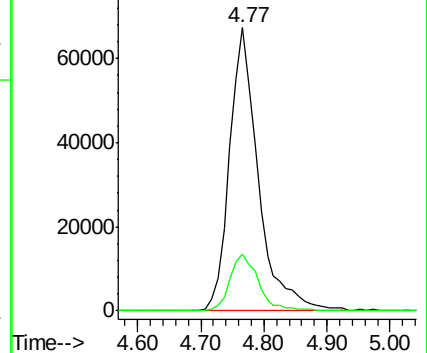
77 100

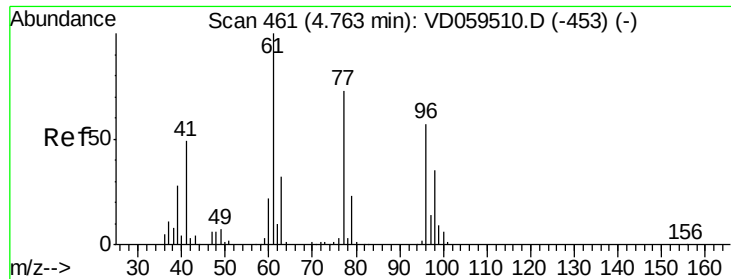
97 20.0 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



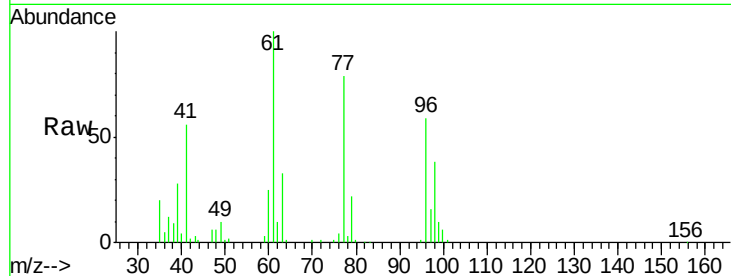


#27

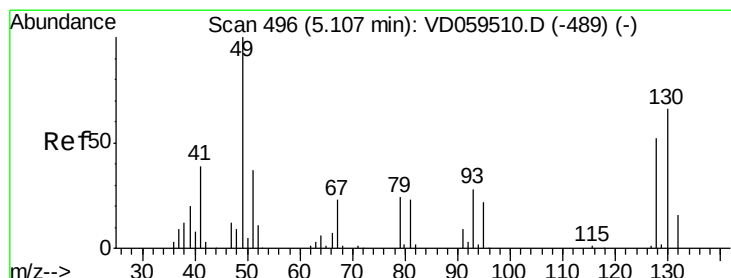
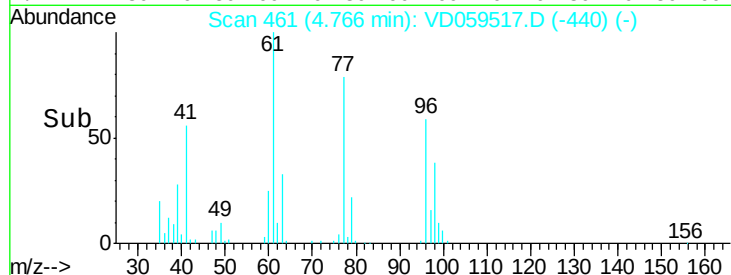
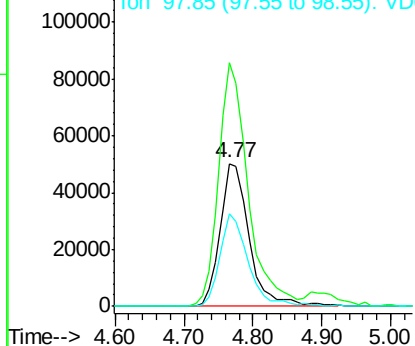
cis-1,2-Dichloroethene
 Concen: 20.793 ug/l
 RT: 4.77 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

Tot Ion: 96 Resp: 146775
 Ion Ratio Lower Upper
 96 100
 61 170.9 0.0 350.8
 98 65.3 0.0 123.4



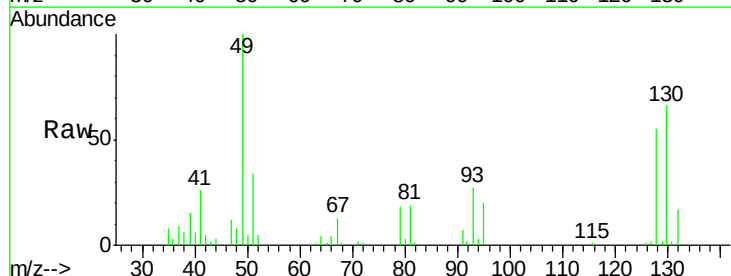
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



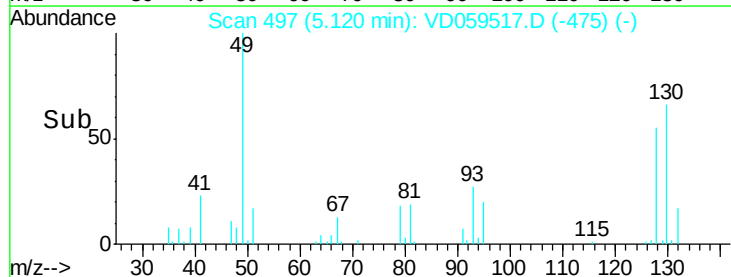
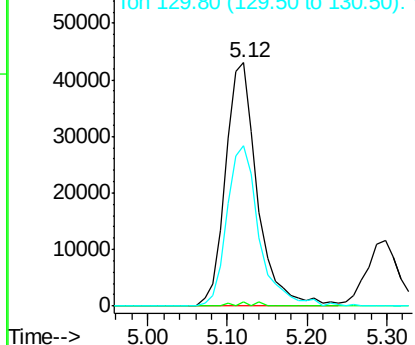
#28

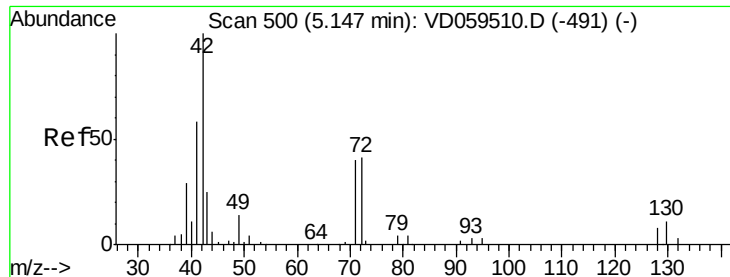
Bromochloromethane
 Concen: 23.278 ug/l
 RT: 5.12 min Scan# 497
 Delta R.T. 0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 49 Resp: 120143
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.4
 130 65.8 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: 105.993 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

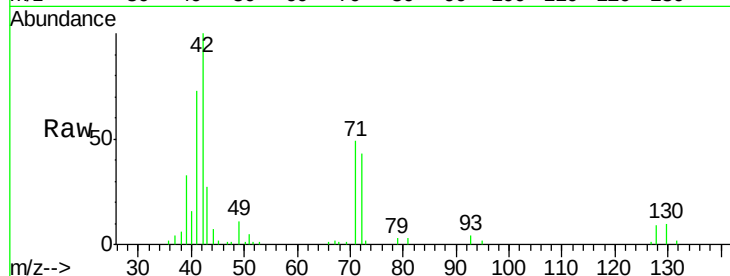
Tot Ion: 42 Resp: 125651

Ion Ratio Lower Upper

42 100

72 41.7 32.9 49.3

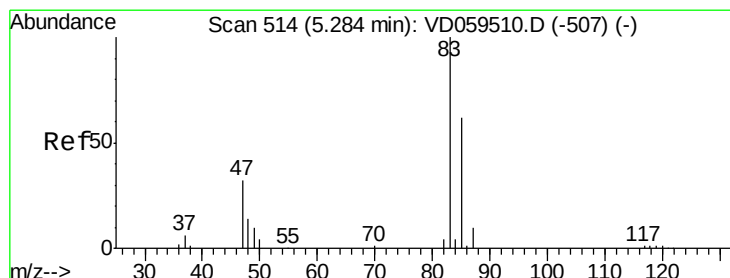
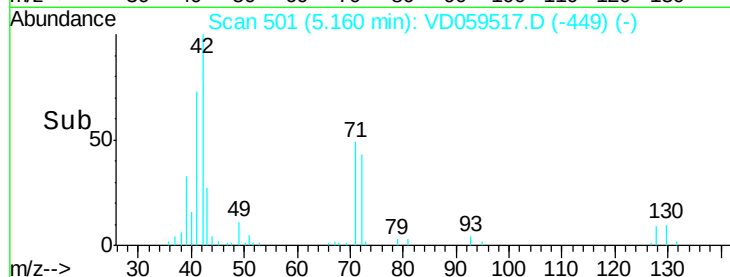
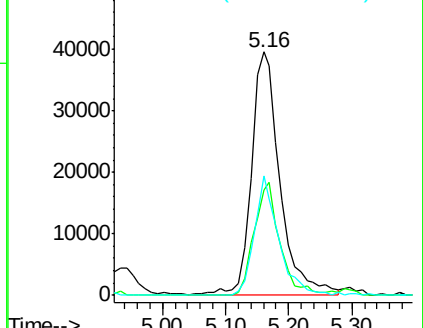
71 41.5 31.6 47.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.151 ug/l

RT: 5.29 min Scan# 514

Delta R.T. 0.00 min

Lab File: VD059517.D

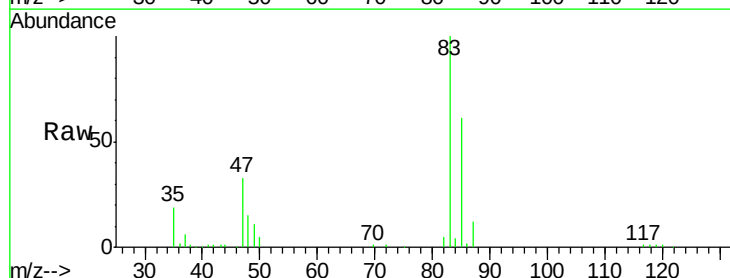
Acq: 2 Jul 2018 22:49

Tgt Ion: 83 Resp: 285981

Ion Ratio Lower Upper

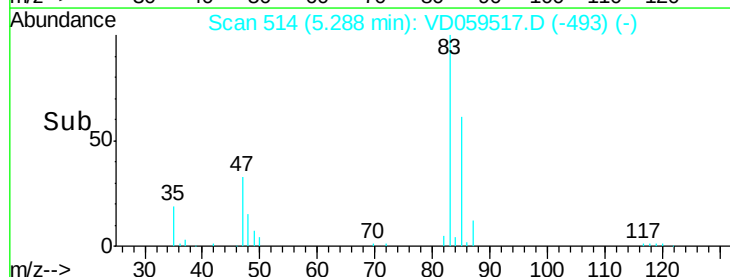
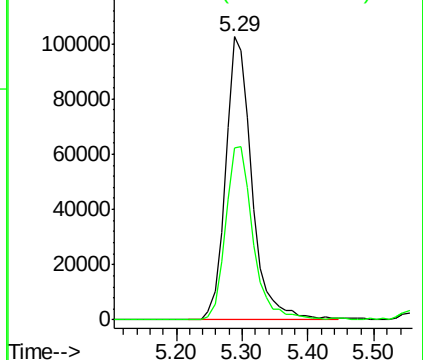
83 100

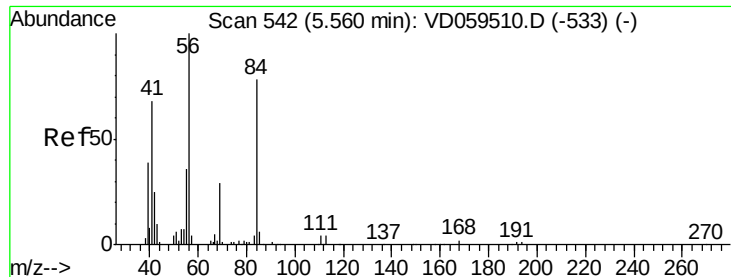
85 60.8 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

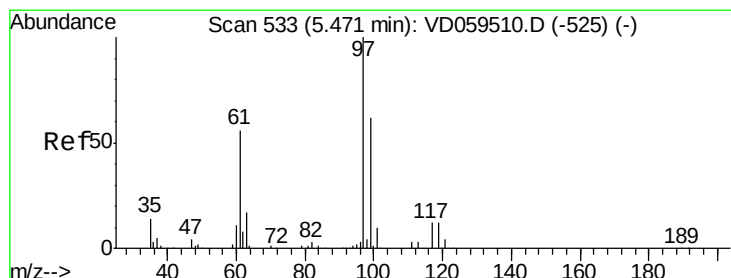
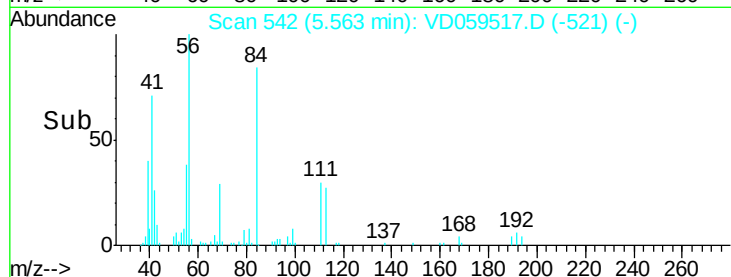
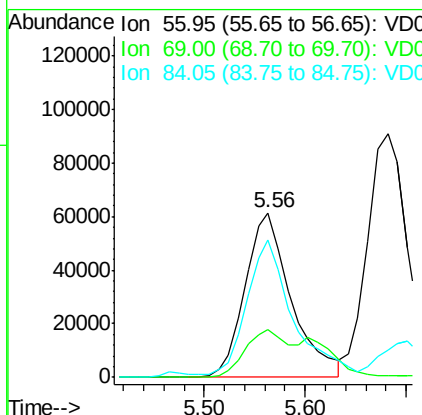
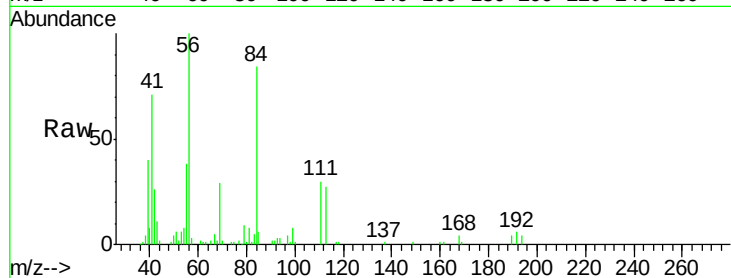




#31
Cyclohexane
Concen: 19.168 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

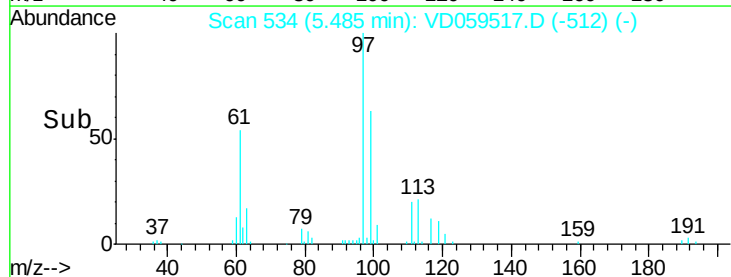
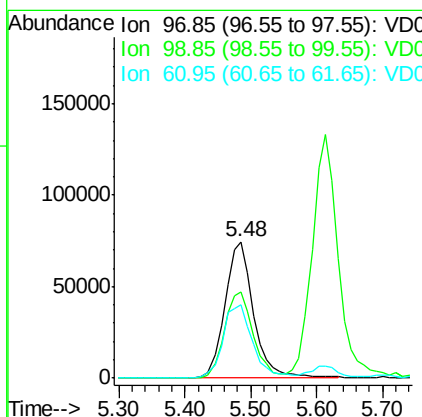
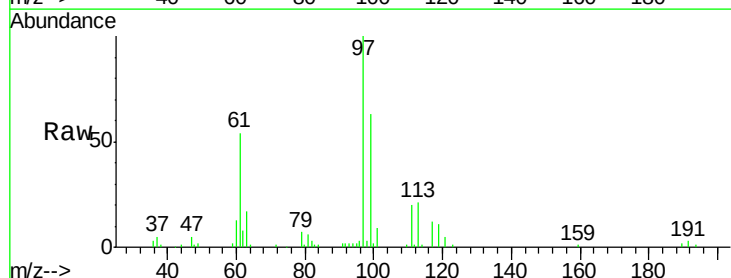
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

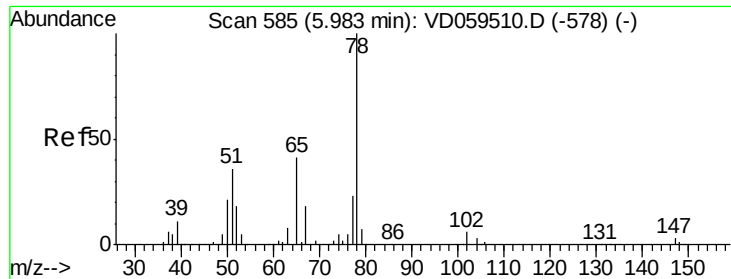
Tot Ion: 56 Resp: 195379
Ion Ratio Lower Upper
56 100
69 28.7 22.9 34.3
84 83.7 63.4 95.0



#32
1,1,1-Trichloroethane
Concen: 20.164 ug/l
RT: 5.48 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion: 97 Resp: 226730
Ion Ratio Lower Upper
97 100
99 62.7 49.6 74.4
61 54.0 44.8 67.2

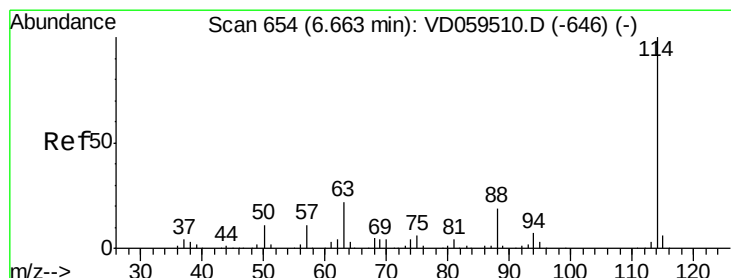
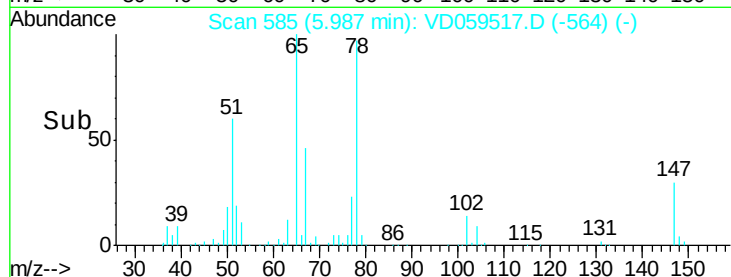
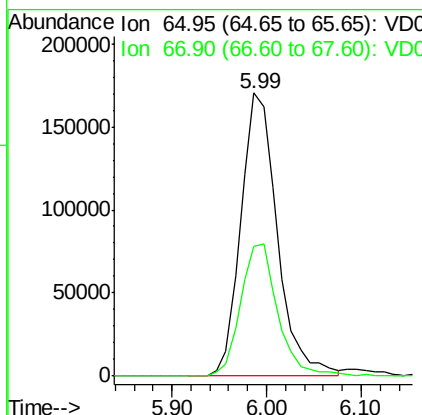
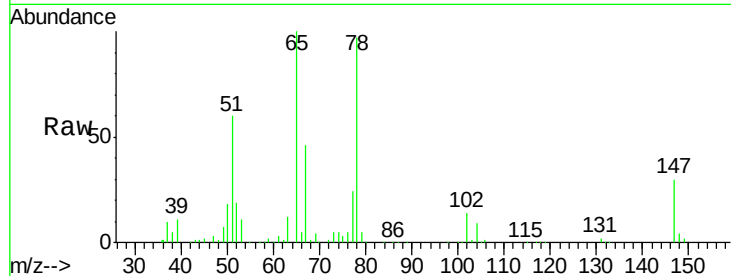




#33
 1,2-Dichloroethane-d4
 Concen: 20.164 ug/l
 RT: 5.99 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

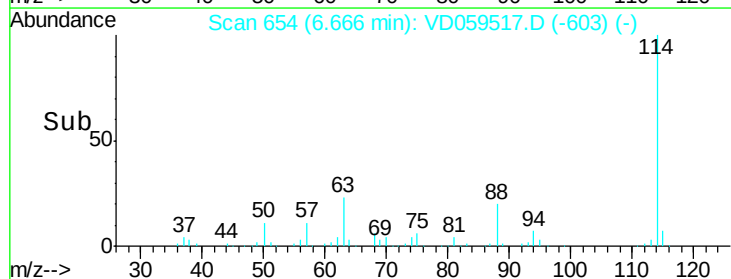
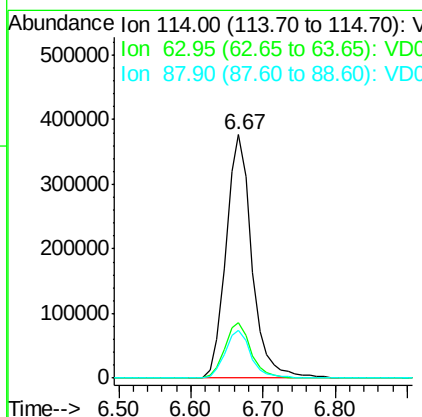
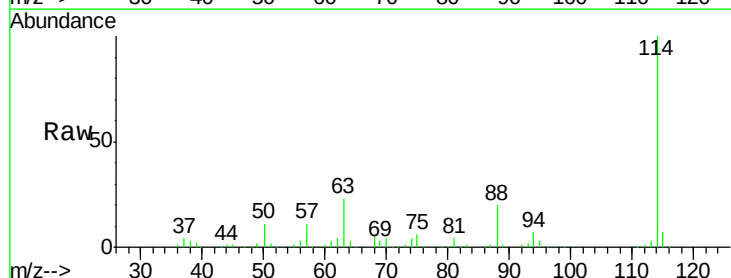
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

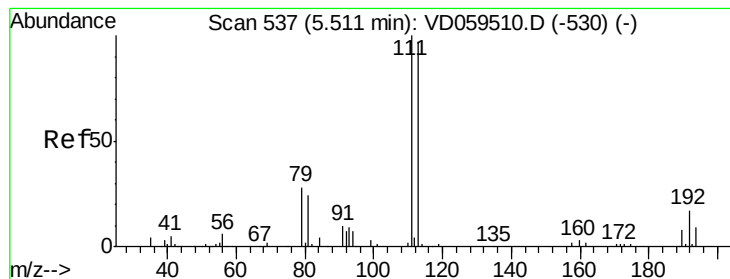
Tot Ion: 65 Resp: 455421
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 114 Resp: 937192
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.4
 88 19.8 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

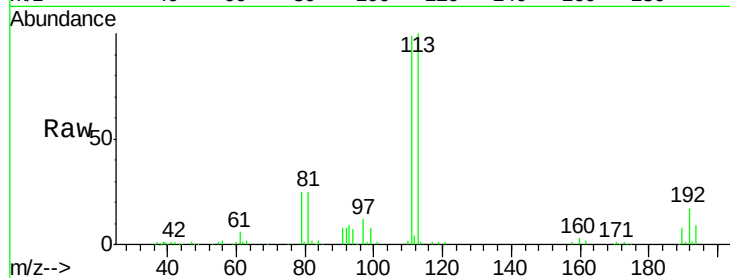
Tot Ion:113 Resp: 426380

Ion Ratio Lower Upper

113 100

111 99.1 82.7 124.1

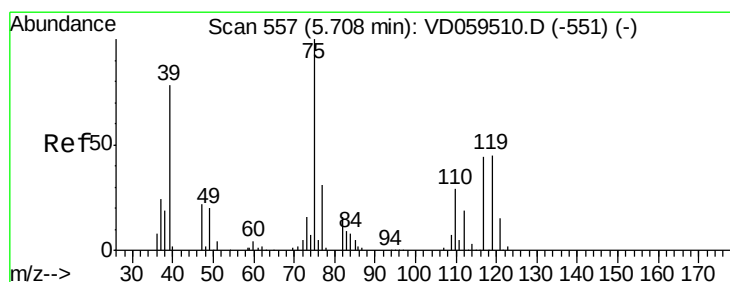
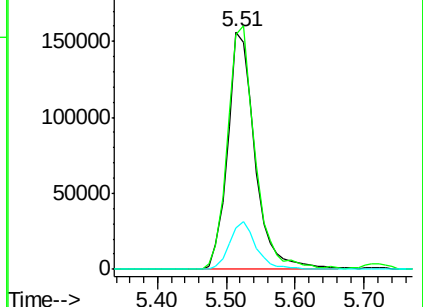
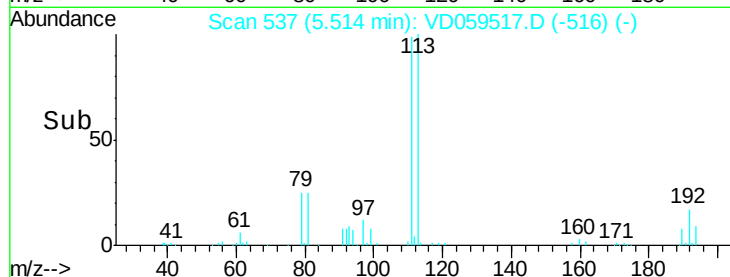
192 17.5 14.2 21.2



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: 20.136 ug/l

RT: 5.71 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

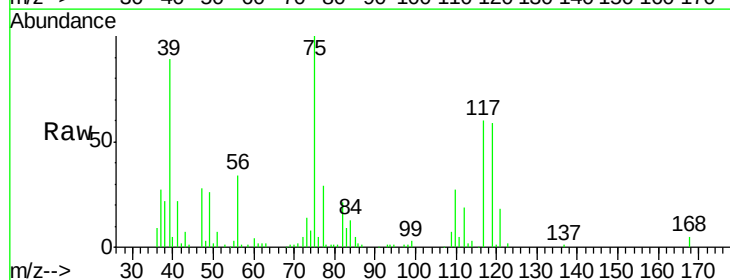
Tgt Ion: 75 Resp: 202640

Ion Ratio Lower Upper

75 100

110 27.2 14.4 43.4

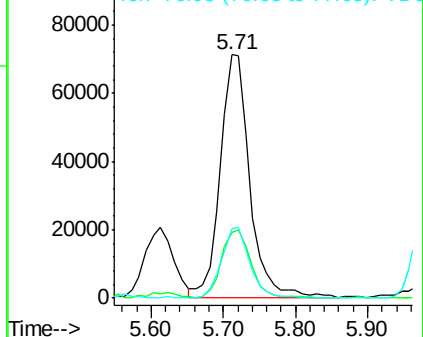
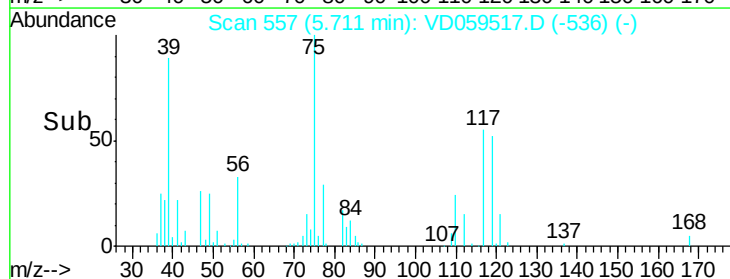
77 28.8 25.0 37.6

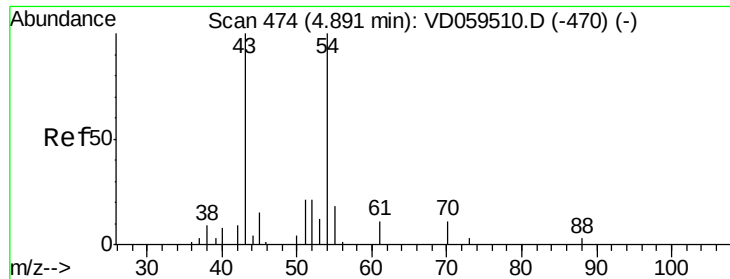


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

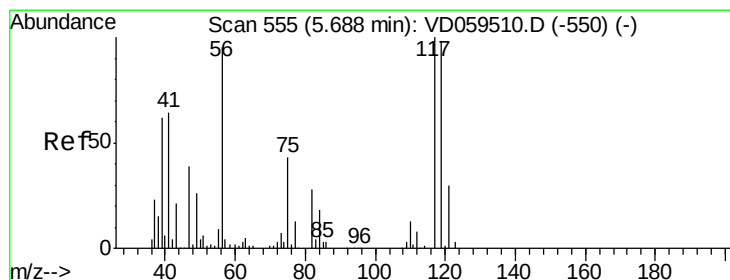
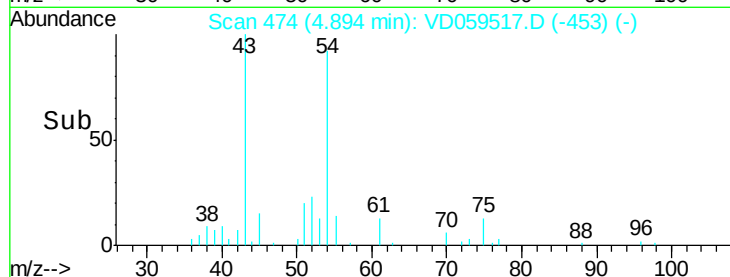
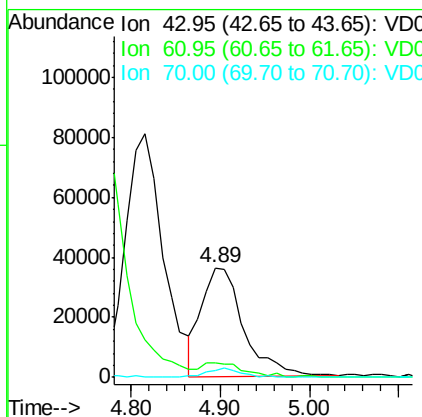
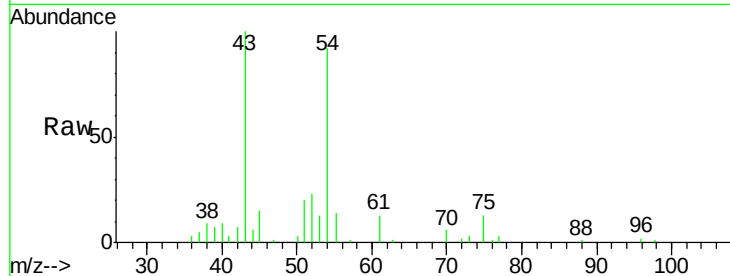




#37
Ethyl Acetate
Concen: 20.977 ug/l
RT: 4.89 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

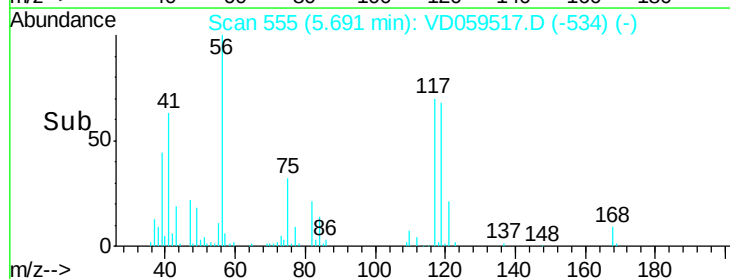
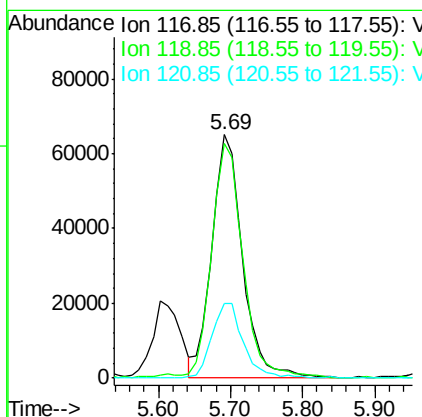
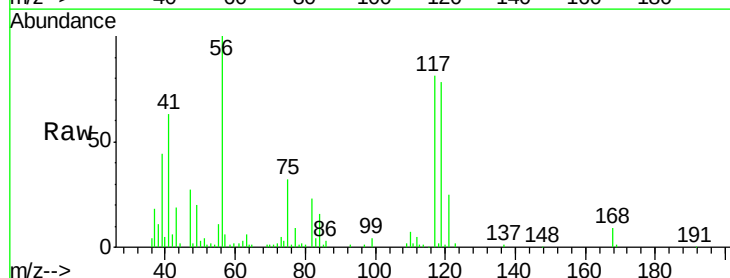
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

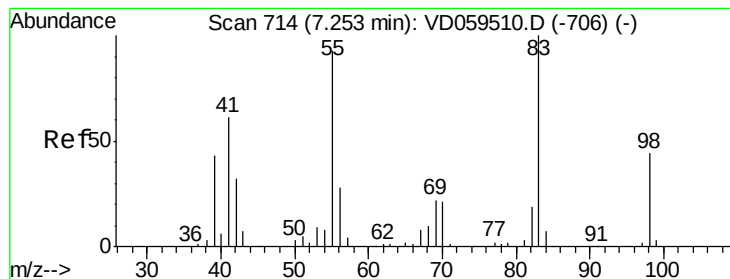
Tot Ion: 43 Resp: 117434
Ion Ratio Lower Upper
43 100
61 13.0 11.5 17.3
70 6.2 6.8 10.2#



#38
Carbon Tetrachloride
Concen: 19.383 ug/l
RT: 5.69 min Scan# 555
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion: 117 Resp: 191749
Ion Ratio Lower Upper
117 100
119 96.1 76.4 114.6
121 30.9 23.9 35.9





#39

Methylvlcyclohexane

Concen: 19.716 ug/l

RT: 7.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

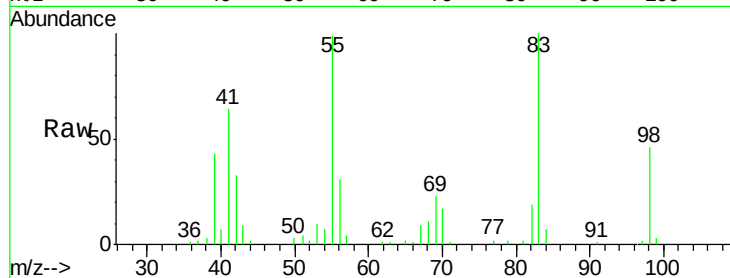
Tot Ion: 83 Resp: 180718

Ion Ratio Lower Upper

83 100

55 98.8 74.2 111.4

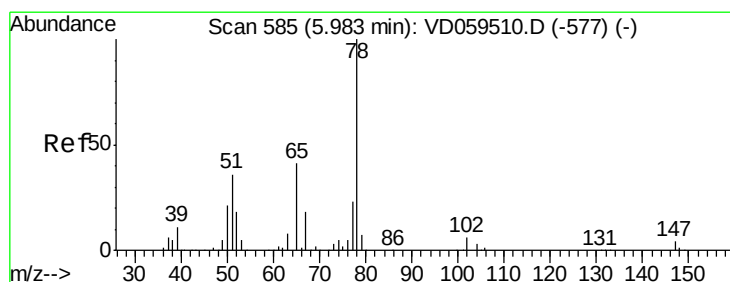
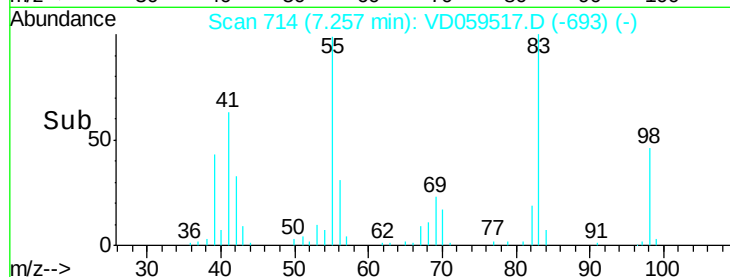
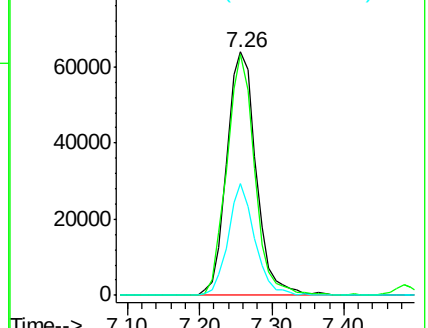
98 46.1 35.5 53.3



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.570 ug/l

RT: 5.99 min Scan# 585

Delta R.T. 0.00 min

Lab File: VD059517.D

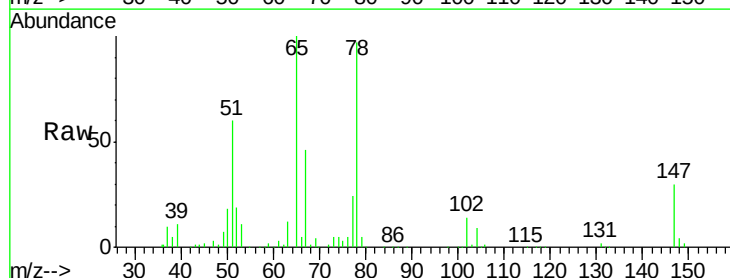
Acq: 2 Jul 2018 22:49

Tgt Ion: 78 Resp: 453291

Ion Ratio Lower Upper

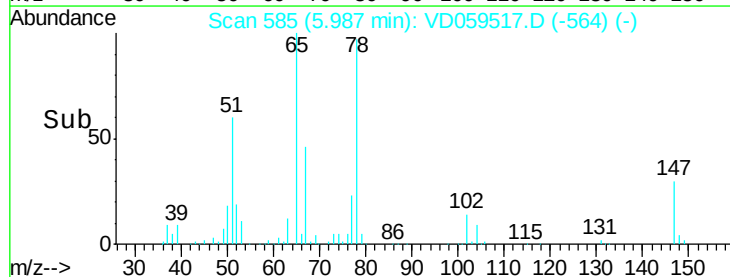
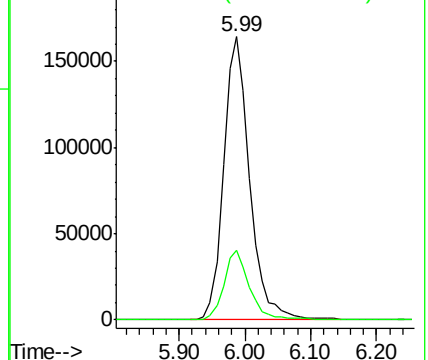
78 100

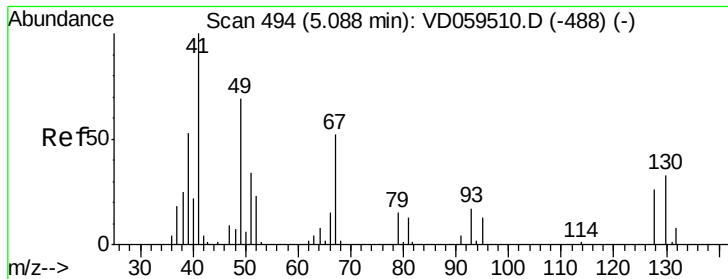
77 24.5 18.6 27.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.755 ug/l

RT: 5.10 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

Tot Ion: 41 Resp: 61773

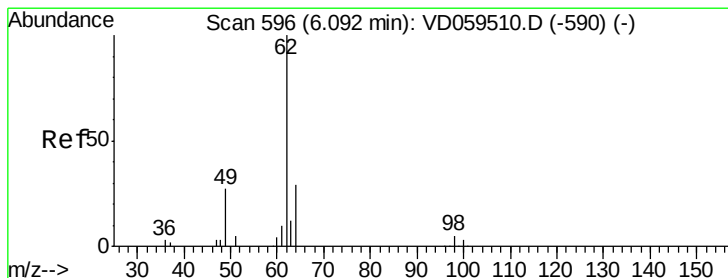
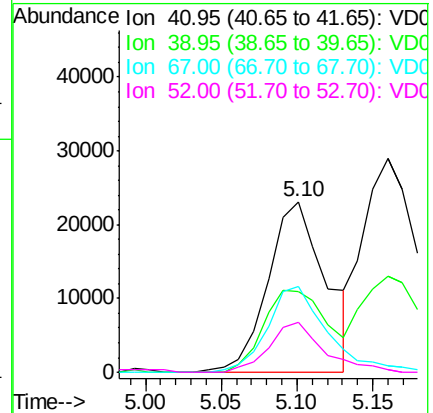
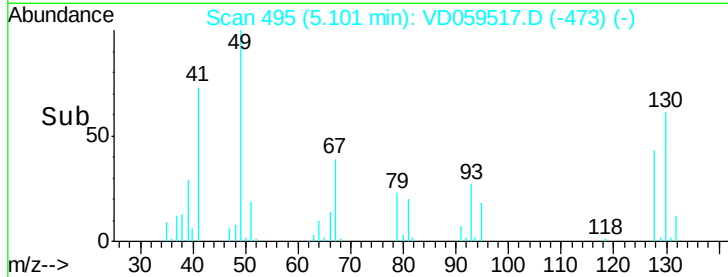
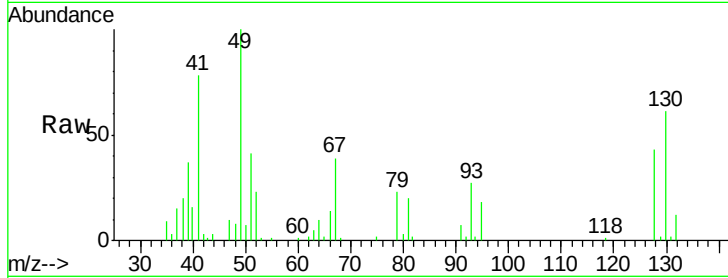
Ion Ratio Lower Upper

41 100

39 47.7 43.0 64.4

67 50.0 41.4 62.2

52 29.0 18.6 28.0#



#42

1,2-Dichloroethane

Concen: 19.962 ug/l

RT: 6.10 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD059517.D

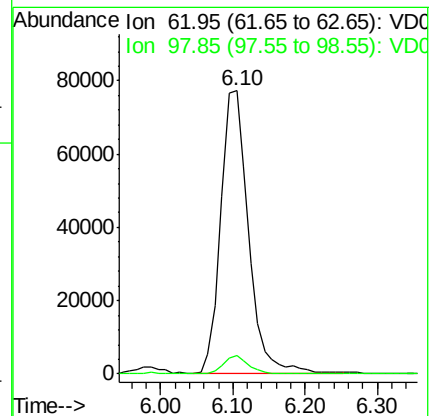
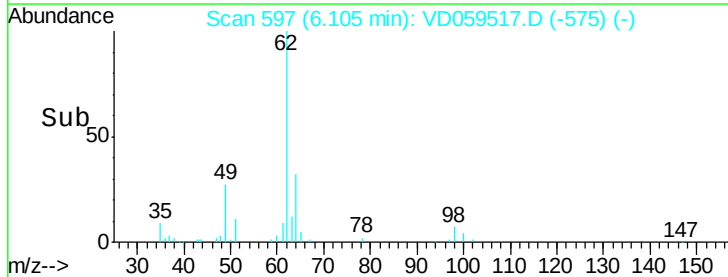
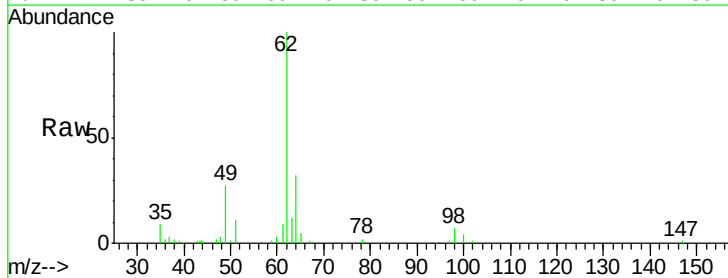
Acq: 2 Jul 2018 22:49

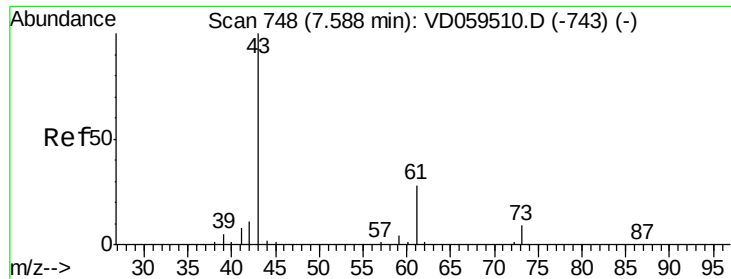
Tgt Ion: 62 Resp: 206849

Ion Ratio Lower Upper

62 100

98 6.5 0.0 10.0





#43

Isopropyl Acetate

Concen: 20.345 ug/l

RT: 7.59 min Scan# 748

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

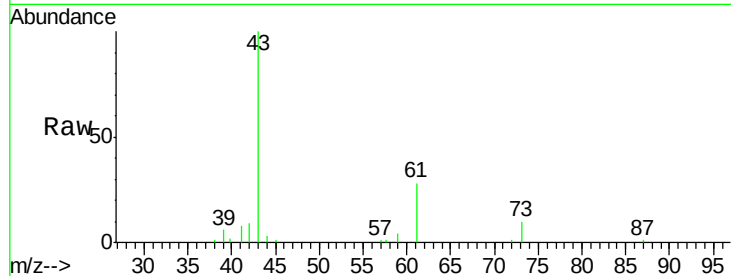
Tot Ion: 43 Resp: 150707

Ion Ratio Lower Upper

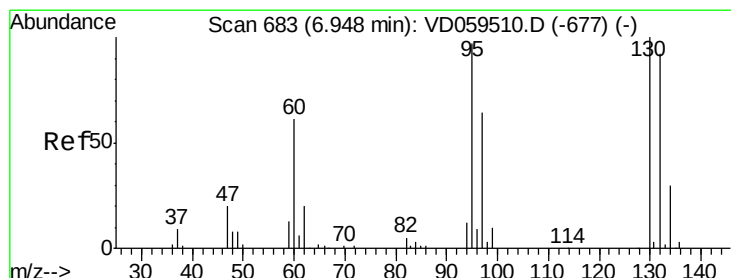
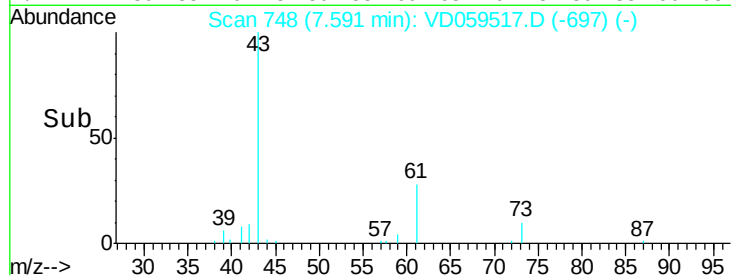
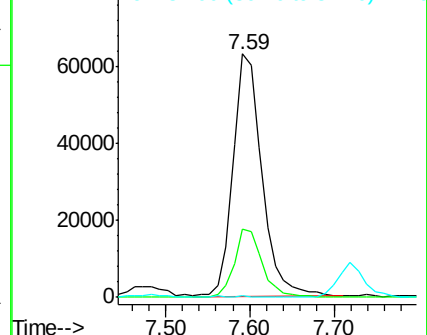
43 100

61 28.1 22.3 33.5

87 0.8 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: 19.357 ug/l

RT: 6.95 min Scan# 683

Delta R.T. 0.00 min

Lab File: VD059517.D

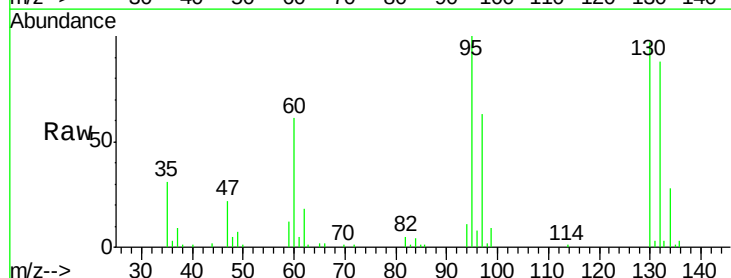
Acq: 2 Jul 2018 22:49

Tgt Ion:130 Resp: 136090

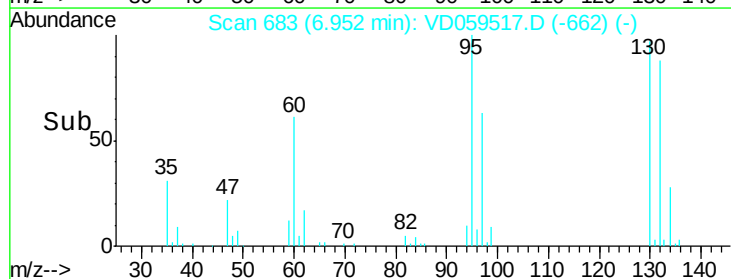
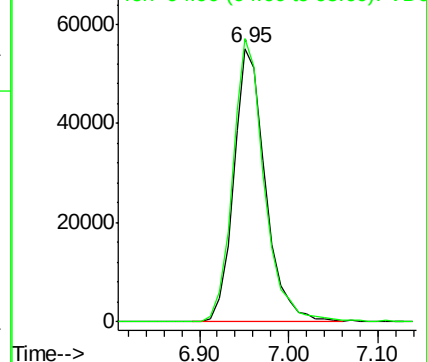
Ion Ratio Lower Upper

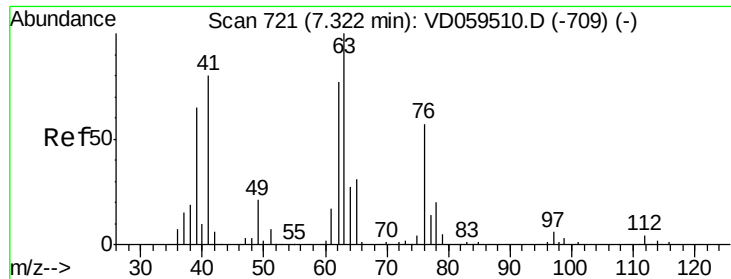
130 100

95 103.5 0.0 193.6



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

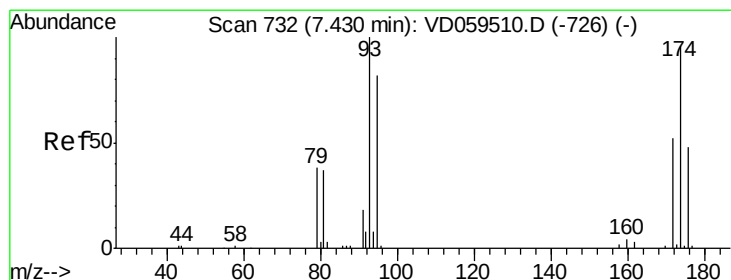
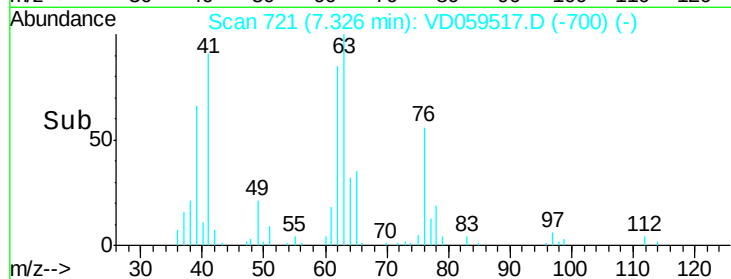
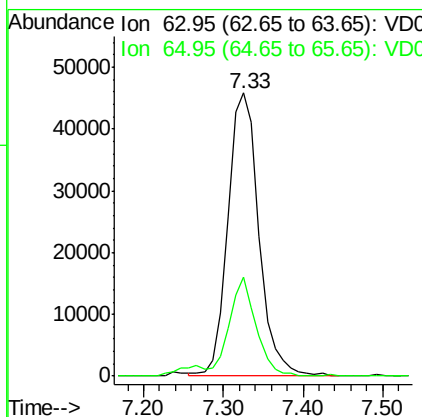
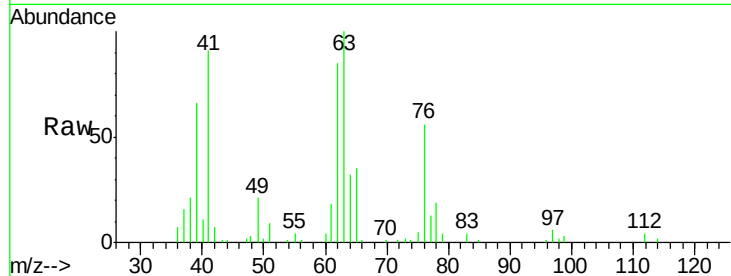




#45
 1,2-Dichloropropane
 Concen: 19.330 ug/l
 RT: 7.33 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

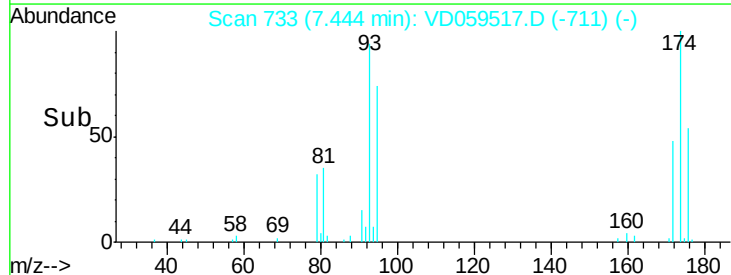
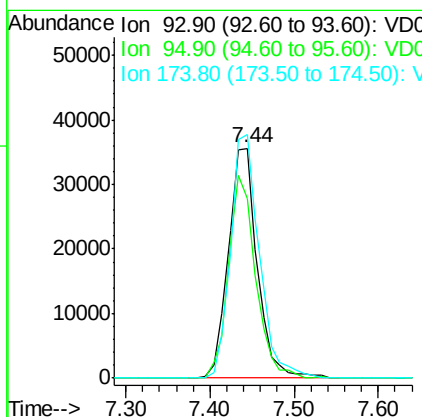
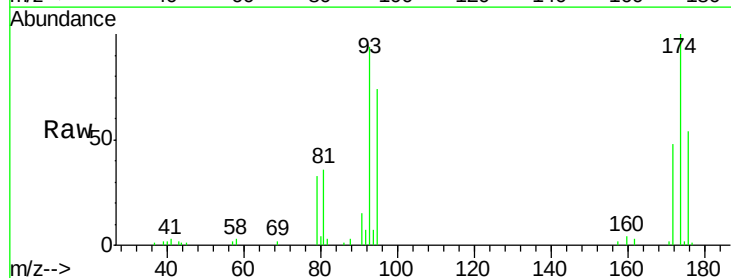
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

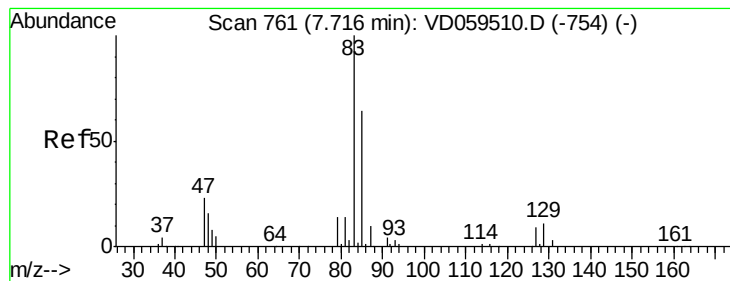
Tot Ion: 63 Resp: 125161
 Ion Ratio Lower Upper
 63 100
 65 35.0 24.4 36.6



#46
 Dibromomethane
 Concen: 19.403 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 93 Resp: 85015
 Ion Ratio Lower Upper
 93 100
 95 78.0 65.7 98.5
 174 105.8 77.2 115.8





#47

Bromodichloromethane

Concen: 19.670 ug/l

RT: 7.72 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

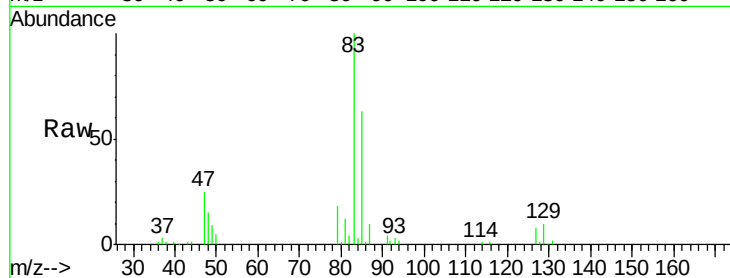
Tot Ion: 83 Resp: 200608

Ion Ratio Lower Upper

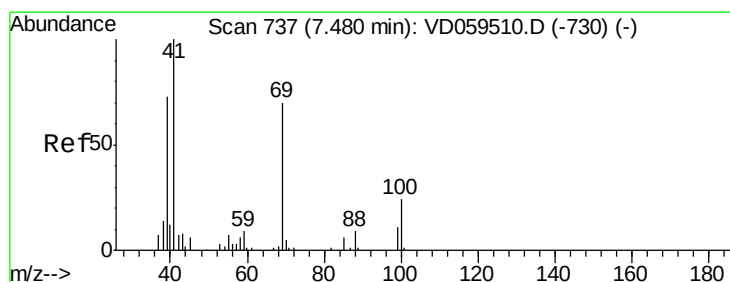
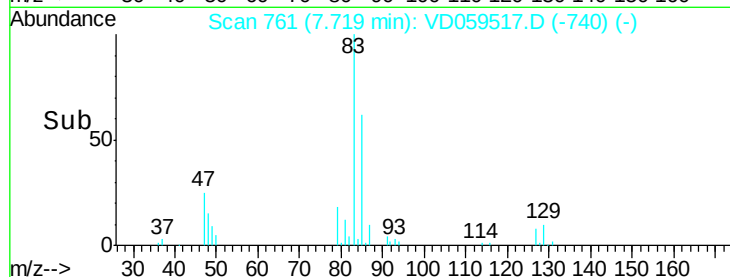
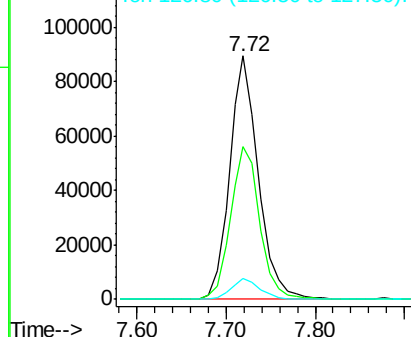
83 100

85 62.9 51.0 76.4

127 8.4 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): V



#48

Methyl methacrylate

Concen: 21.003 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

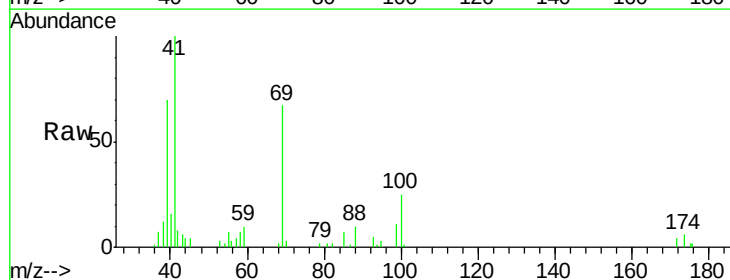
Tgt Ion: 41 Resp: 97028

Ion Ratio Lower Upper

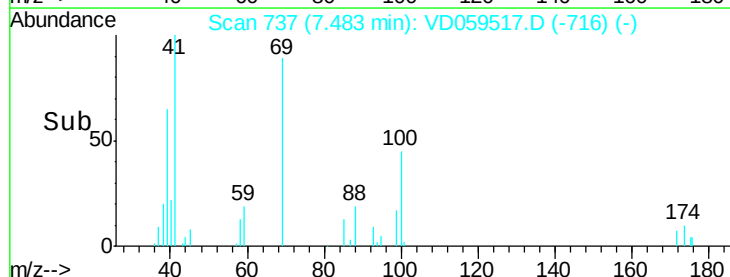
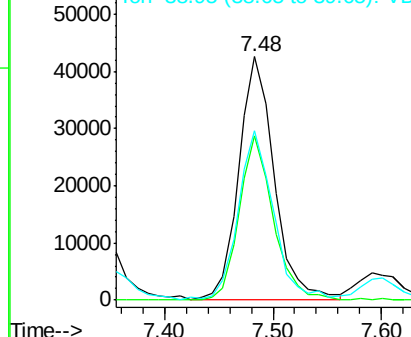
41 100

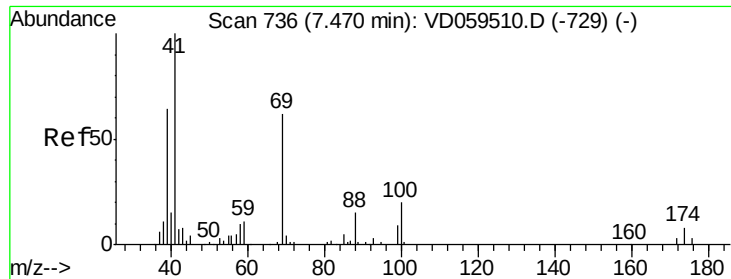
69 67.2 55.8 83.8

39 69.7 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

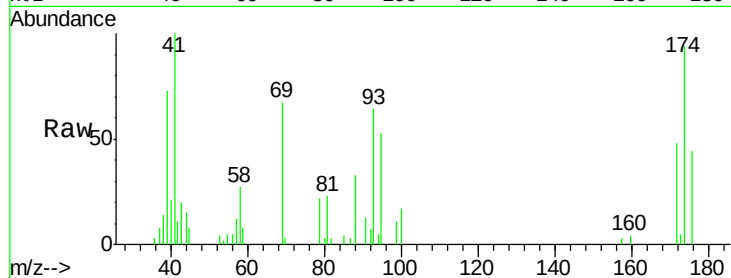




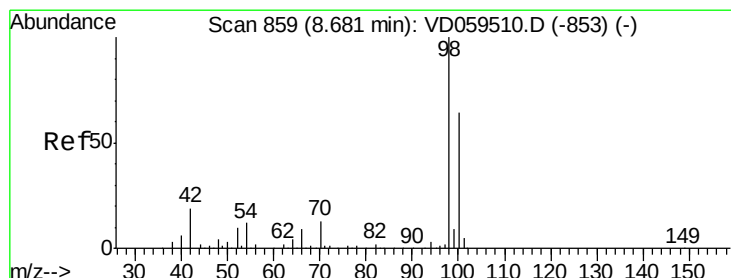
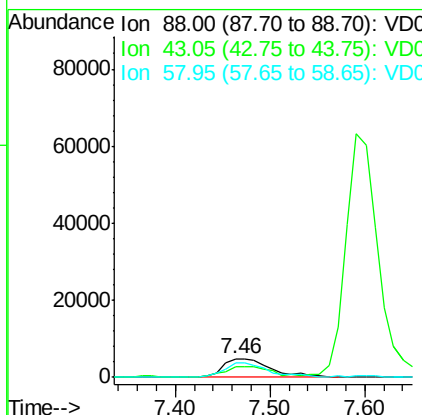
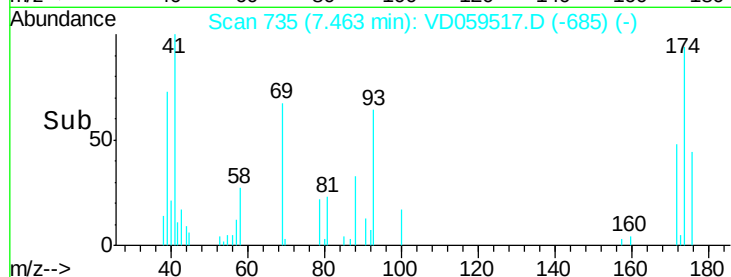
#49
1,4-Dioxane
Concen: 383.562 ug/l
RT: 7.46 min Scan# 735
Delta R.T. -0.01 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

Tot Ion: 88 Resp: 16511
Ion Ratio Lower Upper
88 100
43 60.1 41.4 62.0
58 80.7 49.4 74.2#

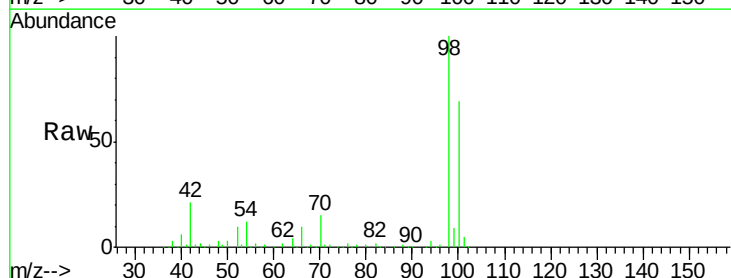


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

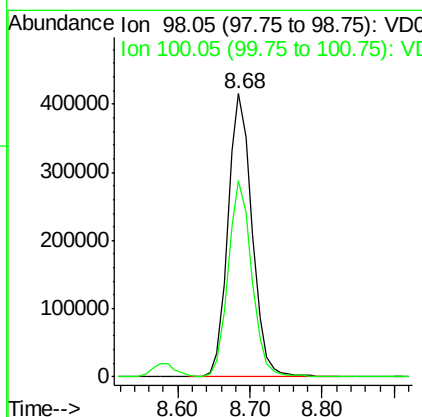
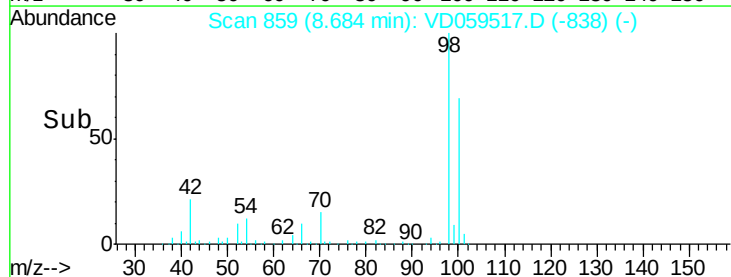


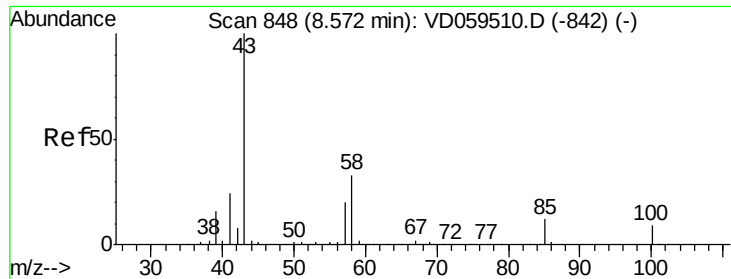
#50
Toluene-d8
Concen: 383.562 ug/l
RT: 8.68 min Scan# 859
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion: 98 Resp: 962755
Ion Ratio Lower Upper
98 100
100 69.5 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: 108.207 ug/l

RT: 8.58 min Scan# 848

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

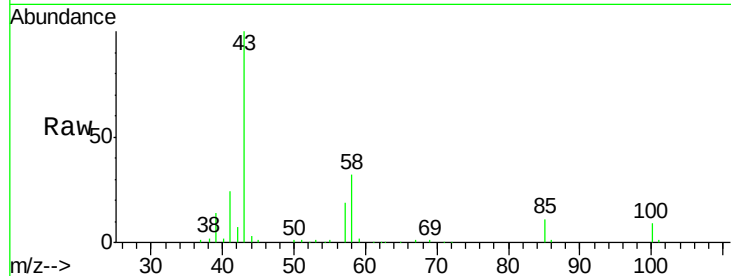
VD0702SBS01

Tot Ion: 43 Resp: 523436

Ion Ratio Lower Upper

43 100

58 31.6 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.58

250000

200000

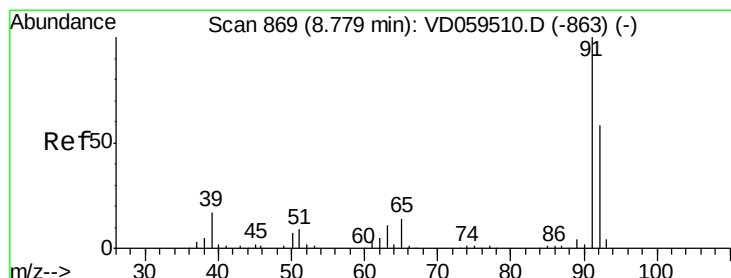
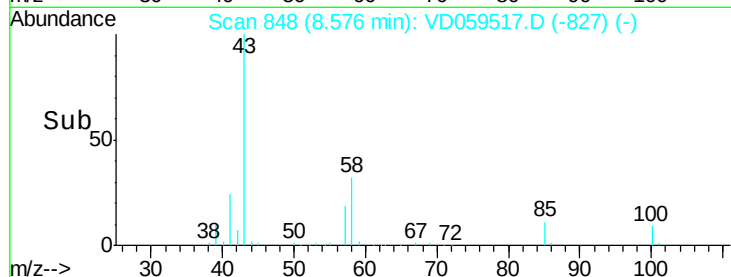
150000

100000

50000

0

Time--> 8.40 8.50 8.60 8.70



#52

Toluene

Concen: 19.477 ug/l

RT: 8.78 min Scan# 869

Delta R.T. 0.00 min

Lab File: VD059517.D

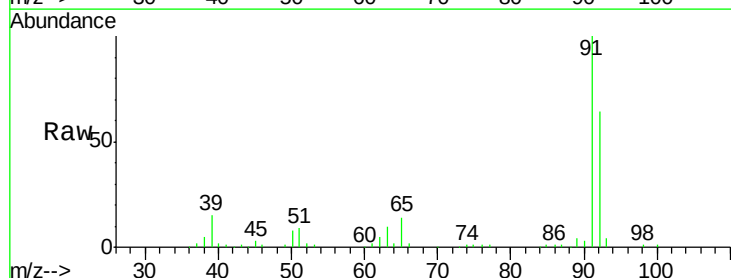
Acq: 2 Jul 2018 22:49

Tgt Ion: 92 Resp: 249043

Ion Ratio Lower Upper

92 100

91 156.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

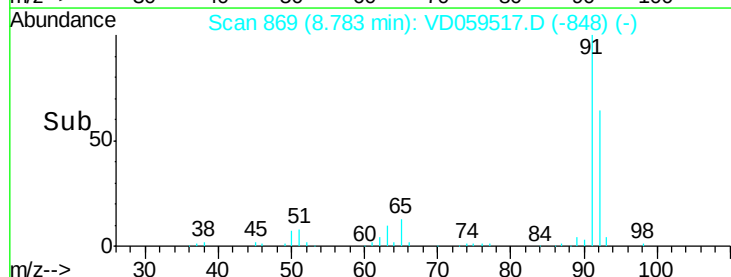
150000

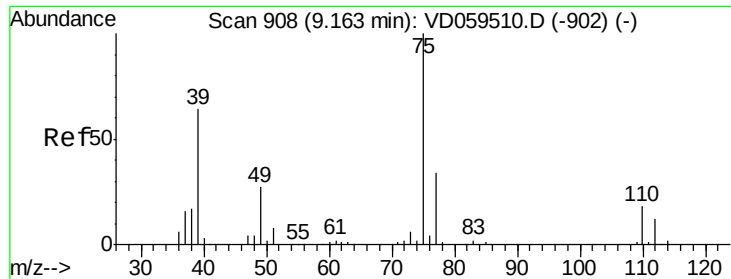
100000

50000

0

Time--> 8.70 8.80 8.90

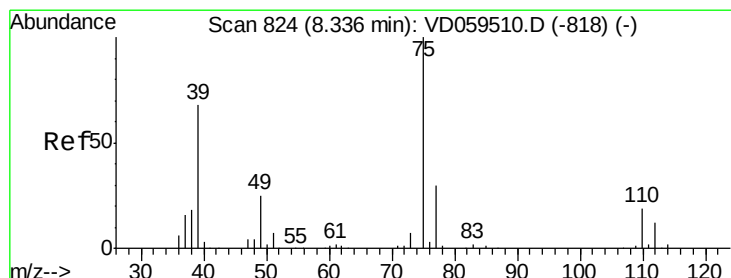
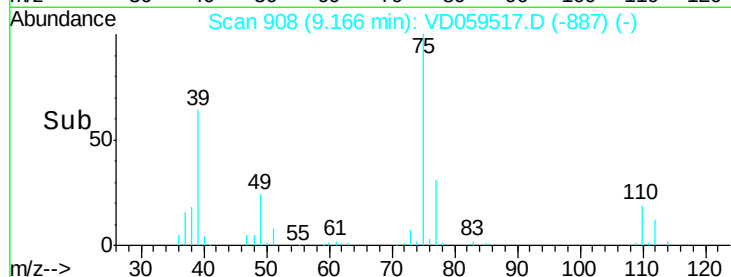
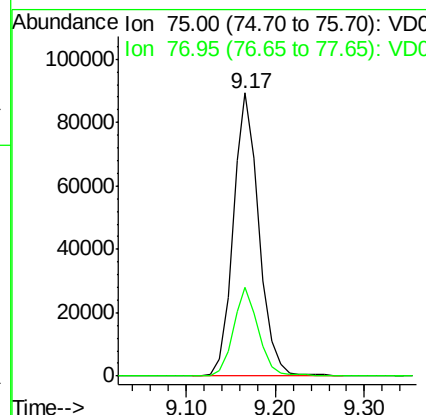
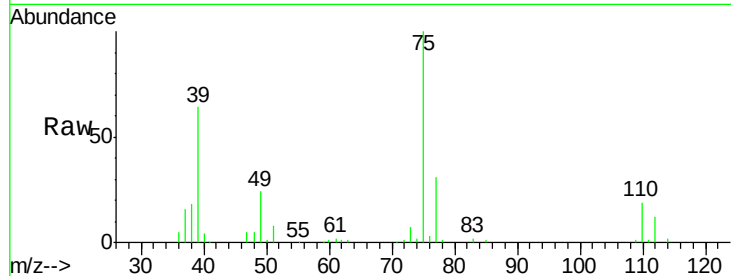




#53
t-1,3-Dichloropropene
Concen: 20.246 ug/l
RT: 9.17 min Scan# 908
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

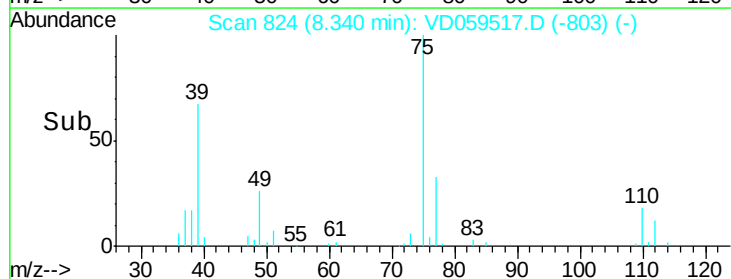
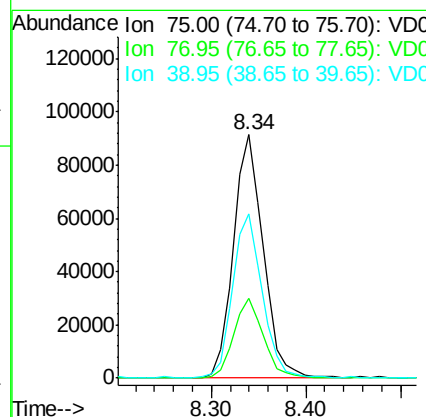
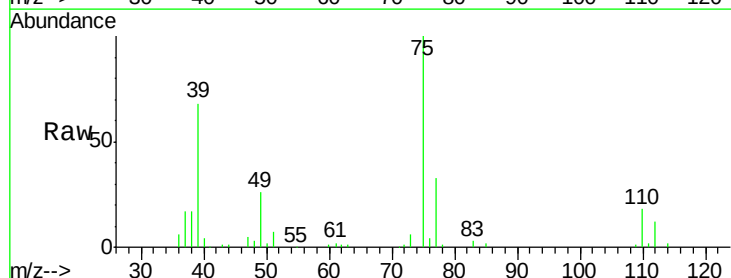
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

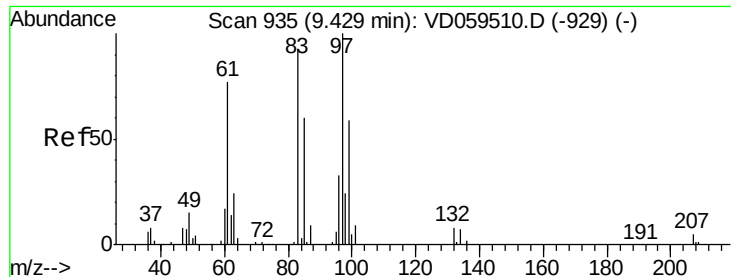
Tot Ion: 75 Resp: 179830
Ion Ratio Lower Upper
75 100
77 31.3 26.9 40.3



#54
cis-1,3-Dichloropropene
Concen: 19.288 ug/l
RT: 8.34 min Scan# 824
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion: 75 Resp: 198689
Ion Ratio Lower Upper
75 100
77 32.9 24.4 36.6
39 67.7 54.7 82.1

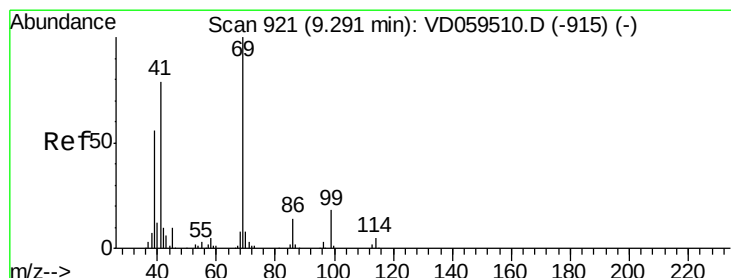
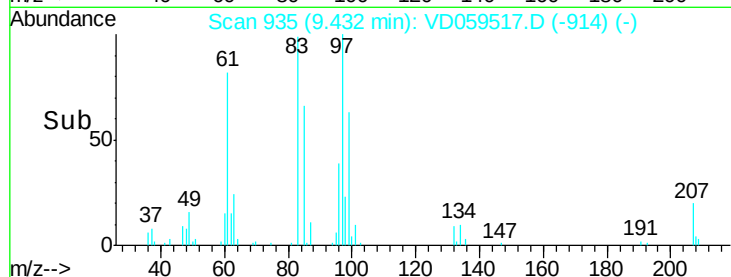
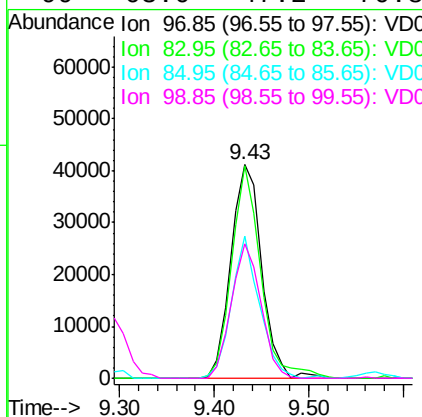
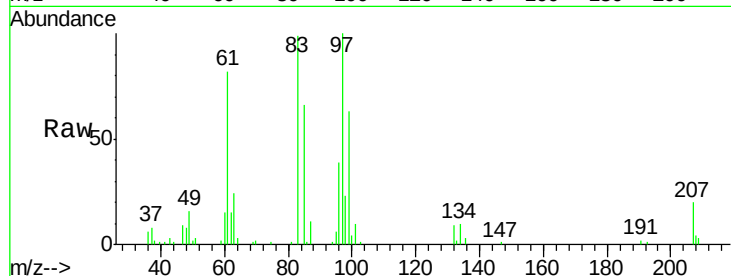




#55
1,1,2-Trichloroethane
Concen: 19.762 ug/l
RT: 9.43 min Scan# 935
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

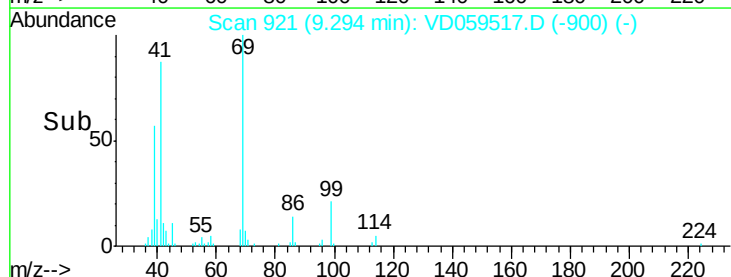
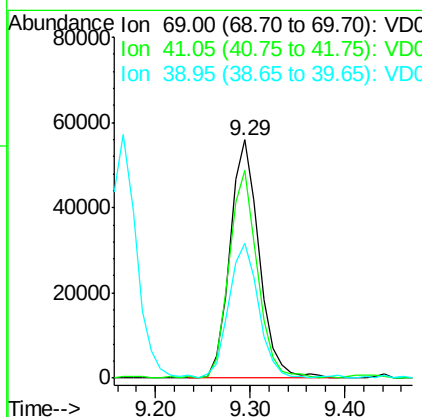
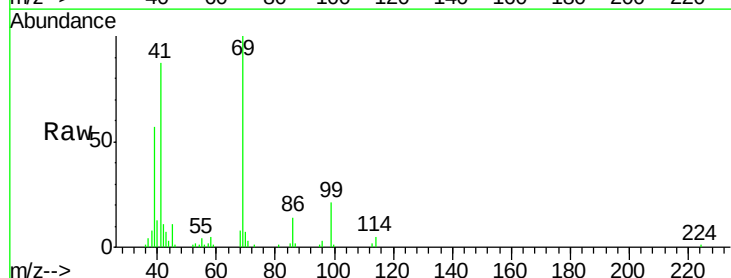
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

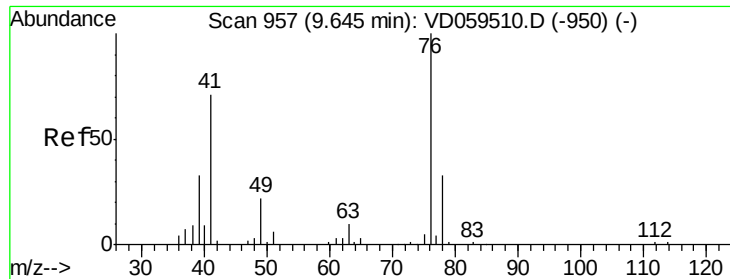
Tot Ion:	97	Resp:	92661
Ion	Ratio	Lower	Upper
97	100		
83	99.2	74.3	111.5
85	66.3	48.1	72.1
99	63.0	47.2	70.8



#56
Ethyl methacrylate
Concen: 20.234 ug/l
RT: 9.29 min Scan# 921
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion:	69	Resp:	118863
Ion	Ratio	Lower	Upper
69	100		
41	87.3	63.4	95.0
39	56.9	45.0	67.6

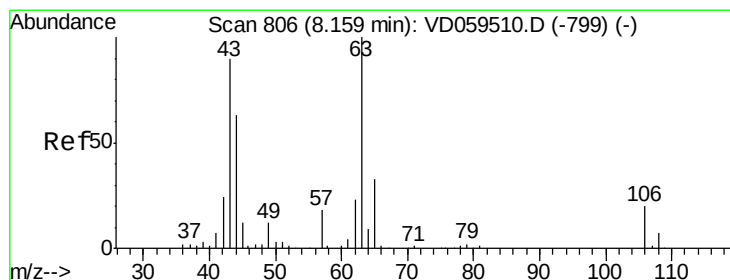
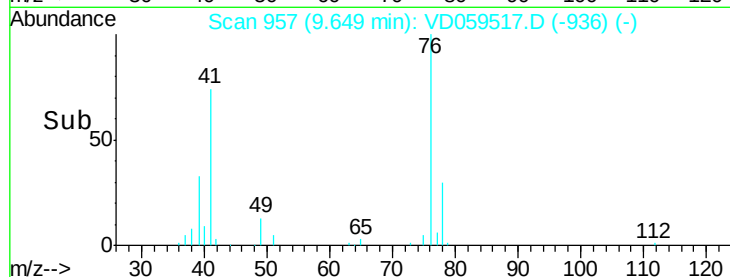
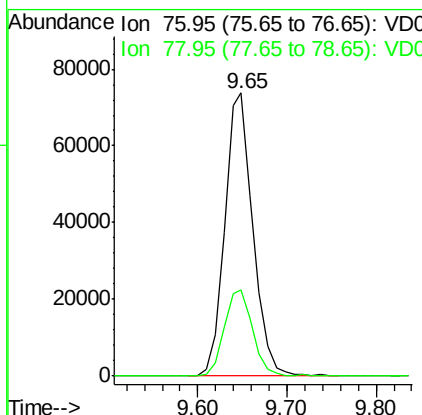
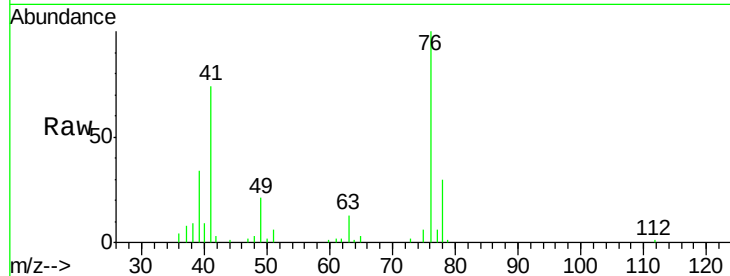




#57
 1,3-Dichloropropane
 Concen: 19.313 ug/l
 RT: 9.65 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

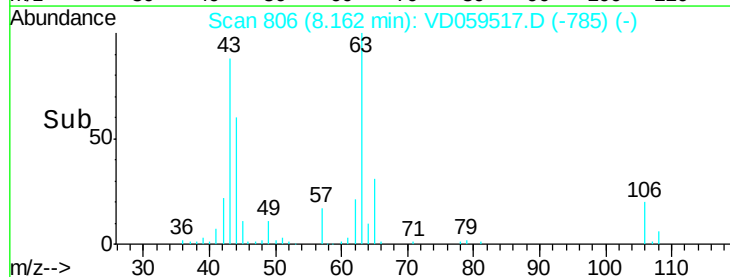
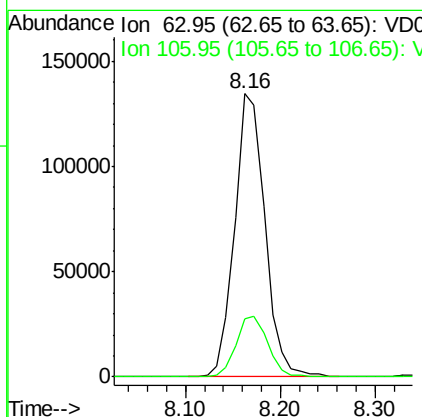
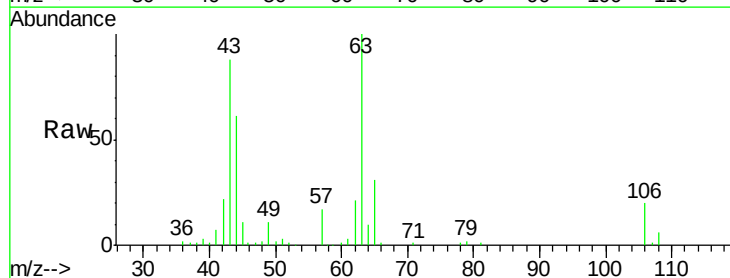
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

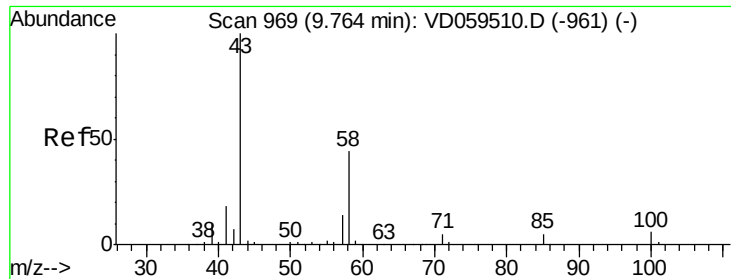
Tot Ion: 76 Resp: 163136
 Ion Ratio Lower Upper
 76 100
 78 30.3 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.091 ug/l
 RT: 8.16 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 63 Resp: 298604
 Ion Ratio Lower Upper
 63 100
 106 20.4 16.4 24.6

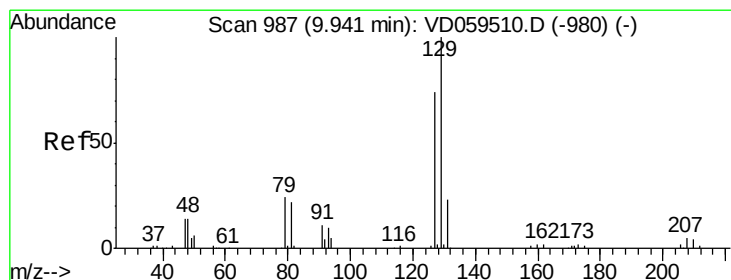
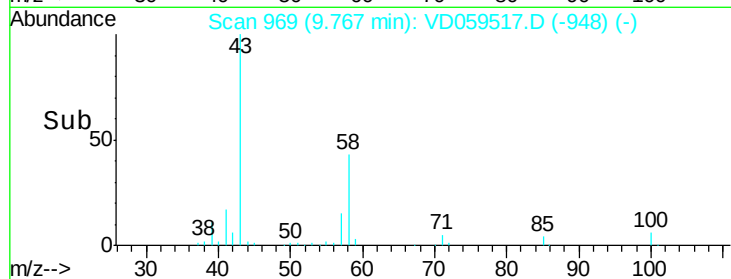
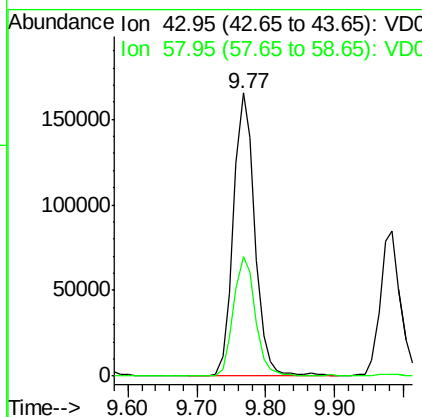
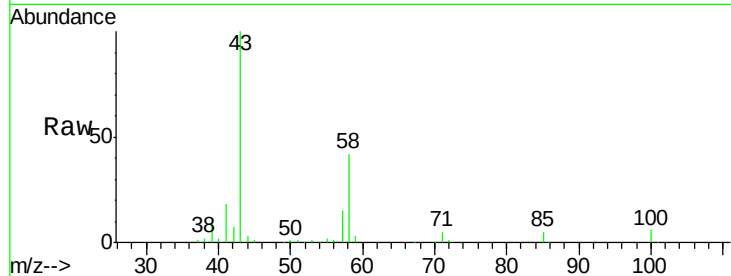




#59
 2-Hexanone
 Concen: 100.264 ug/l
 RT: 9.77 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

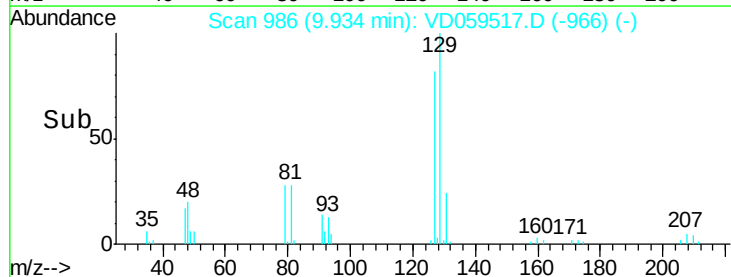
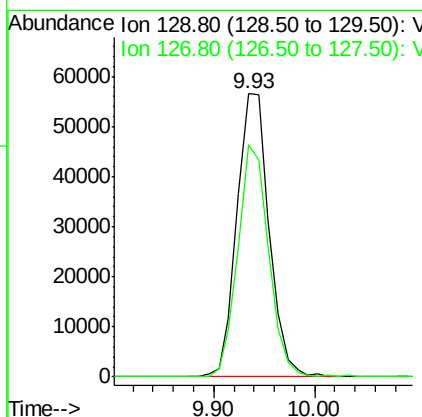
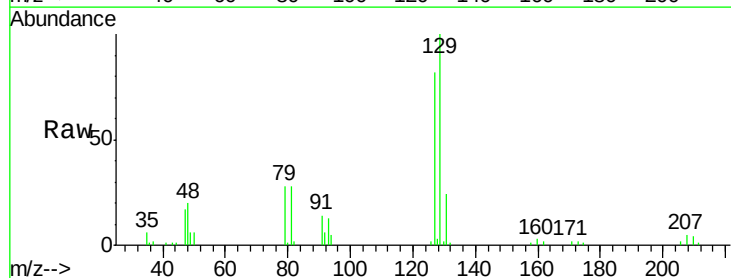
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

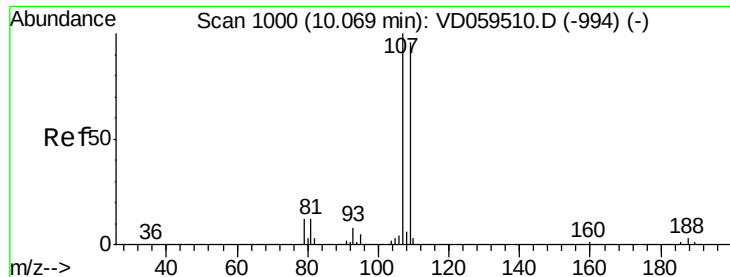
Tot Ion: 43 Resp: 356729
 Ion Ratio Lower Upper
 43 100
 58 42.4 22.0 66.0



#60
 Dibromochloromethane
 Concen: 19.244 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 129 Resp: 125937
 Ion Ratio Lower Upper
 129 100
 127 82.2 37.2 111.6

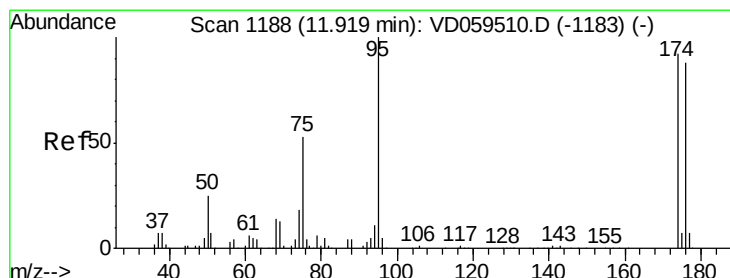
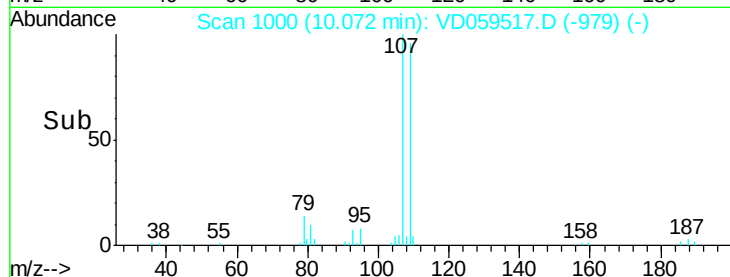
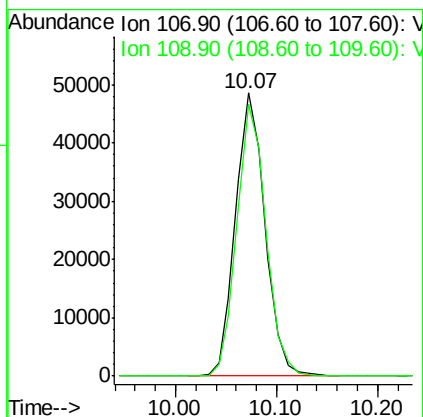
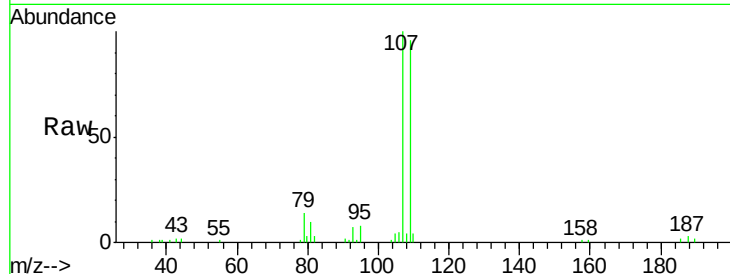




#61
 1,2-Dibromoethane
 Concen: 19.096 ug/l
 RT: 10.07 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

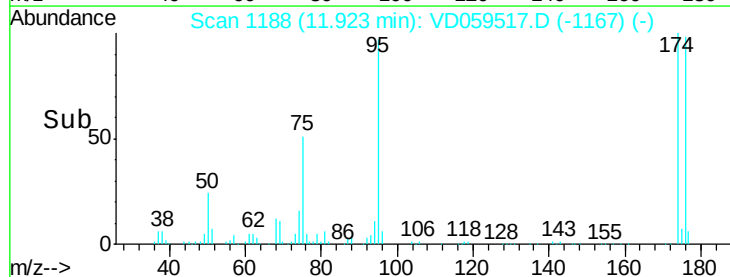
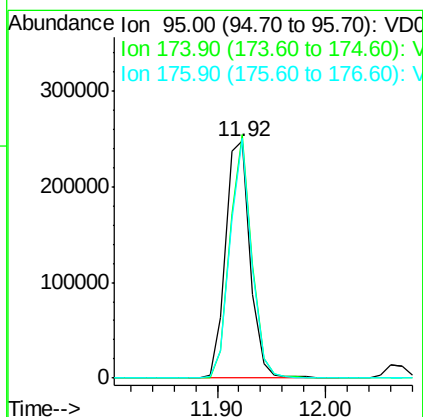
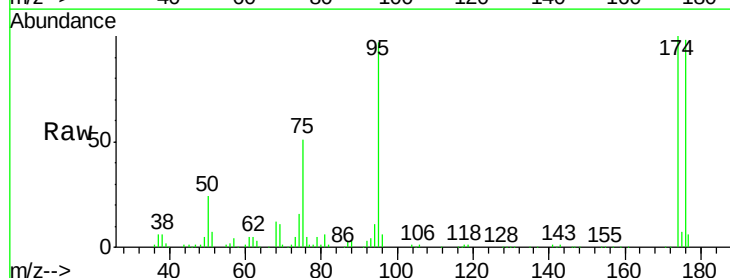
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

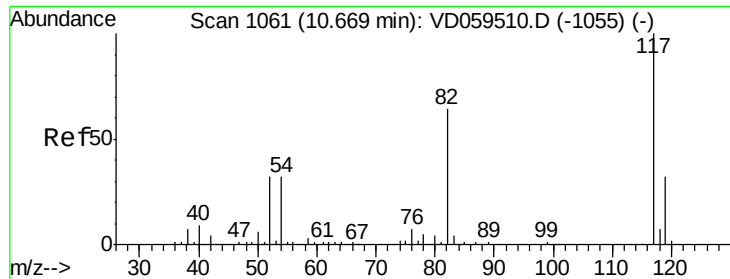
Tot Ion:107 Resp: 99124
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 19.096 ug/l
 RT: 11.92 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 95 Resp: 392304
 Ion Ratio Lower Upper
 95 100
 174 102.9 0.0 183.0
 176 101.1 0.0 176.6

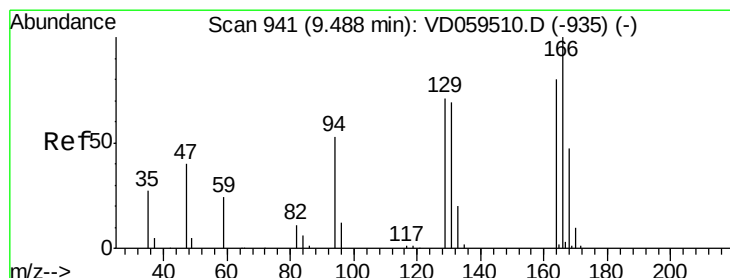
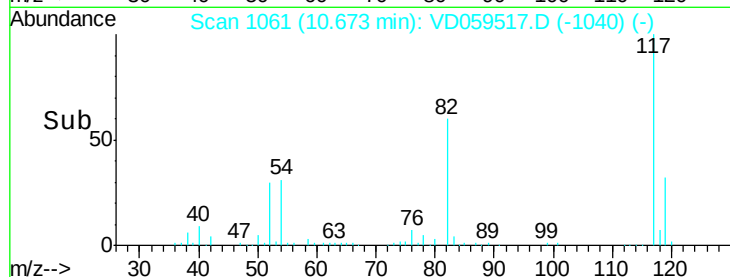
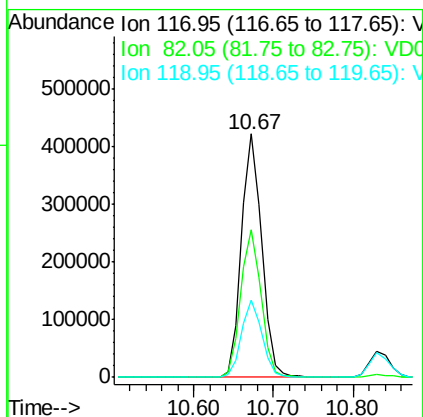
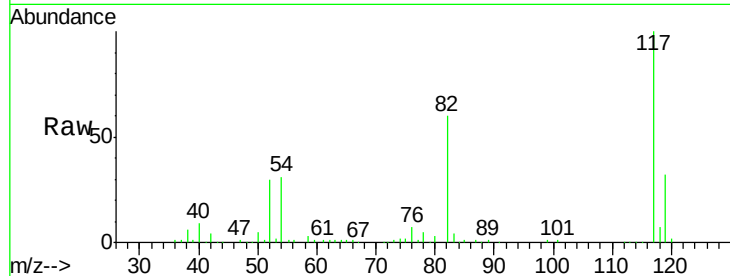




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

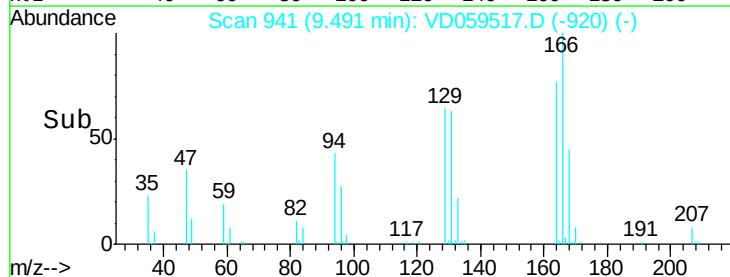
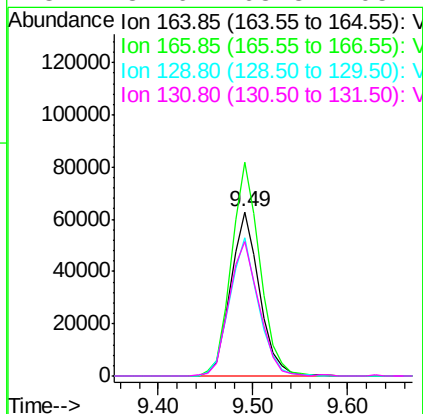
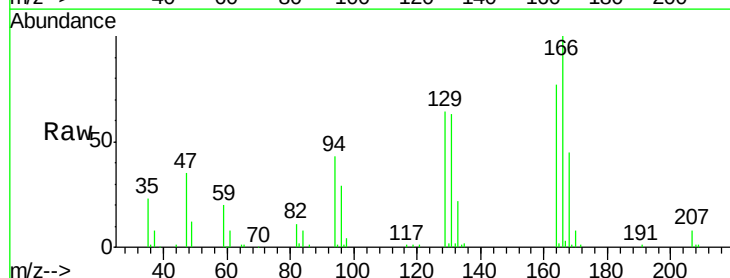
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

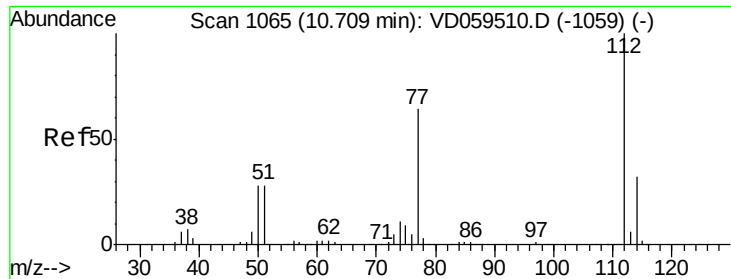
Tot Ion:117 Resp: 747511
Ion Ratio Lower Upper
117 100
82 60.5 51.1 76.7
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 20.582 ug/l
RT: 9.49 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion:164 Resp: 132325
Ion Ratio Lower Upper
164 100
166 129.9 99.5 149.3
129 83.8 70.9 106.3
131 81.6 68.8 103.2

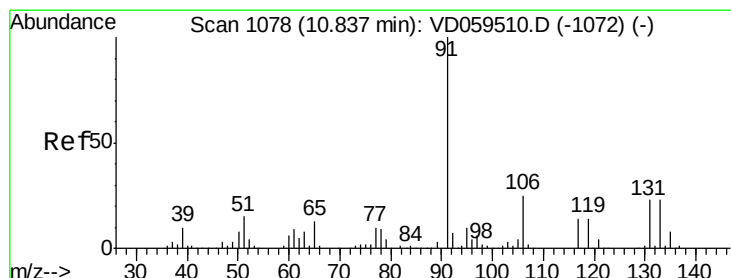
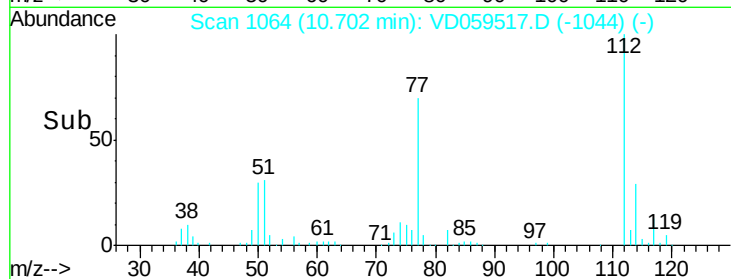
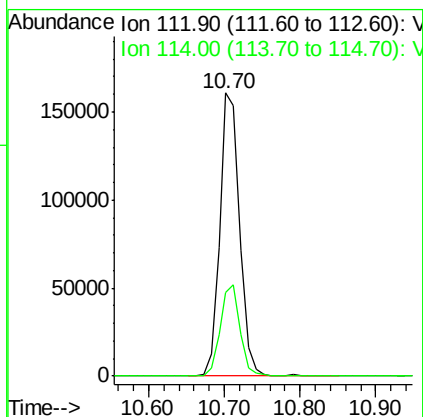
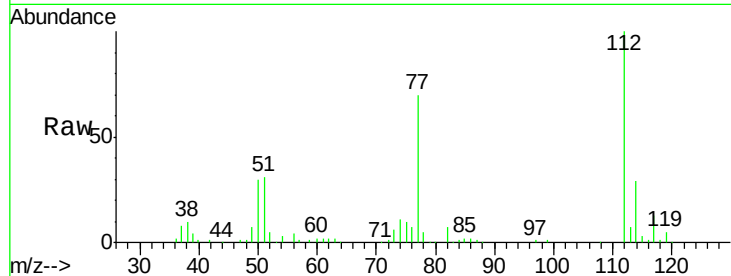




#65
Chlorobenzene
Concen: 20.339 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

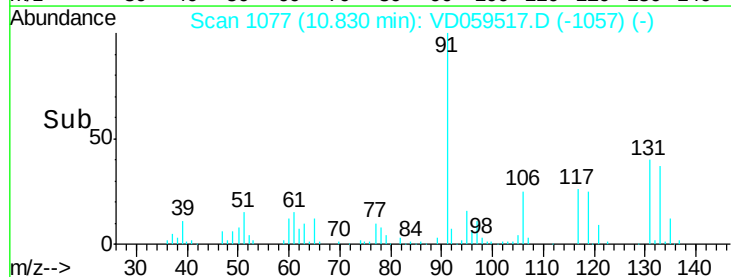
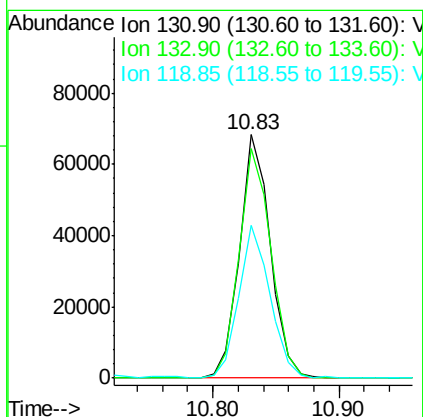
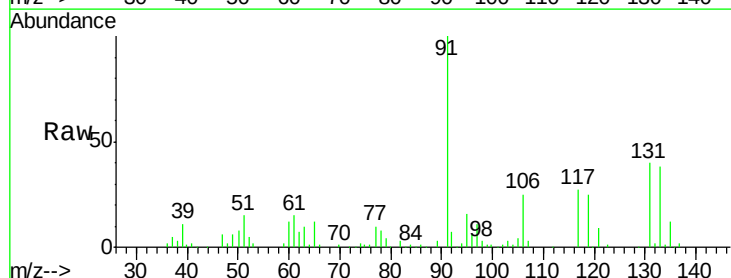
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

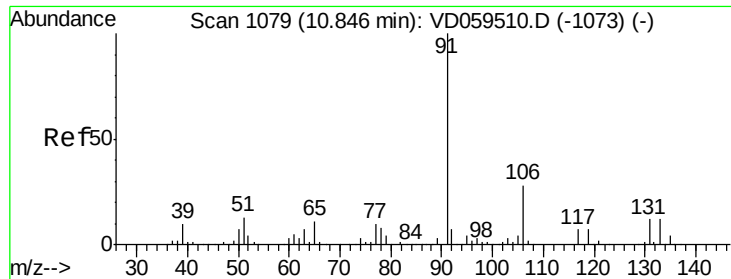
Tot Ion:112 Resp: 292878
Ion Ratio Lower Upper
112 100
114 29.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.634 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion:131 Resp: 115135
Ion Ratio Lower Upper
131 100
133 94.3 48.9 146.6
119 62.7 30.7 92.1

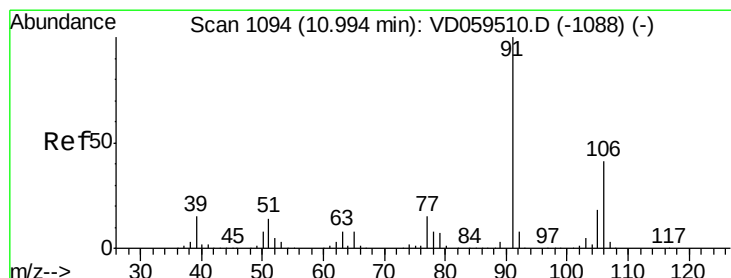
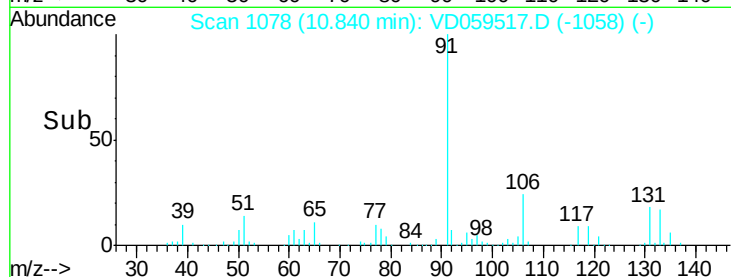
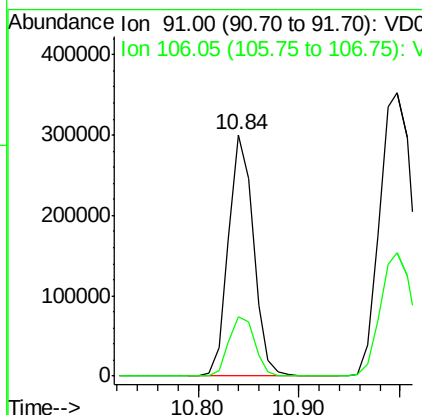
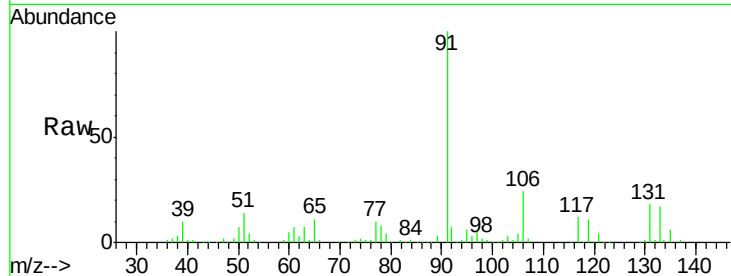




#67
Ethyl Benzene
Concen: 20.240 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

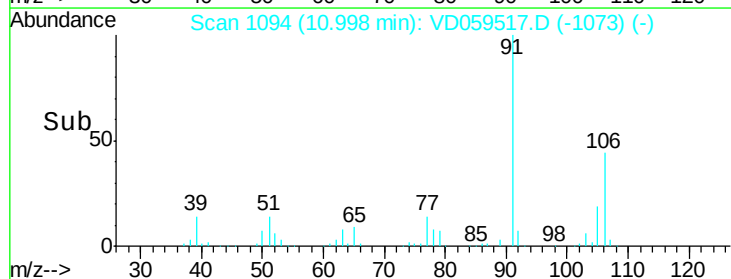
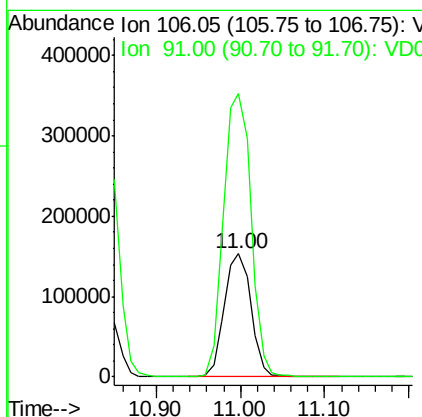
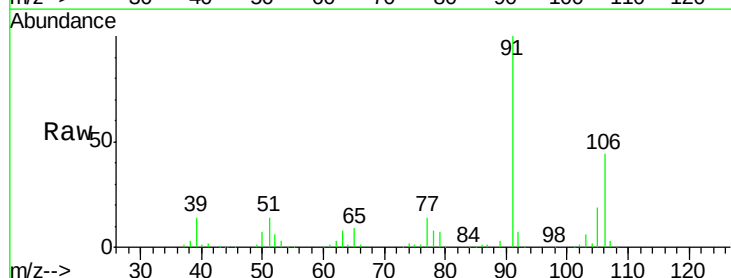
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

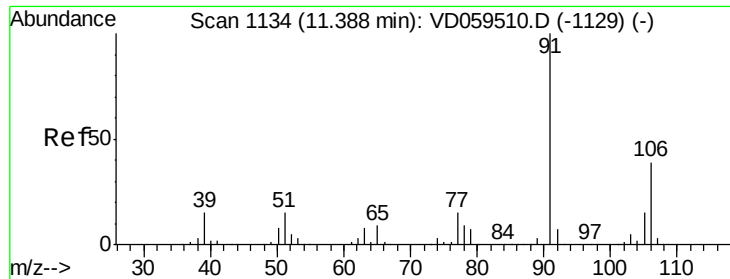
Tot Ion: 91 Resp: 516820
Ion Ratio Lower Upper
91 100
106 24.3 22.2 33.2



#68
m/p-Xylenes
Concen: 40.243 ug/l
RT: 11.00 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion: 106 Resp: 339007
Ion Ratio Lower Upper
106 100
91 229.8 194.1 291.1

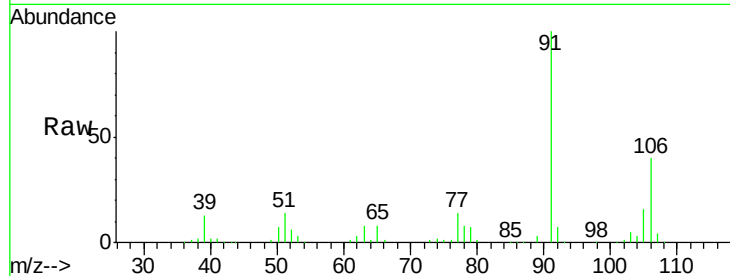




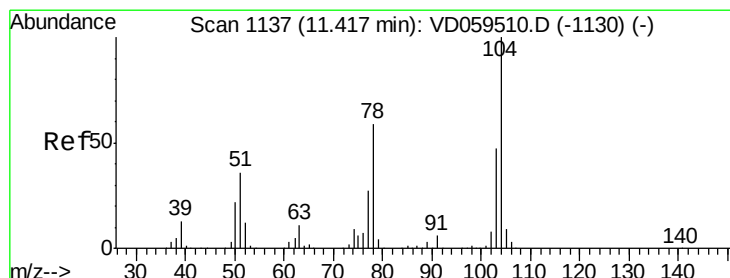
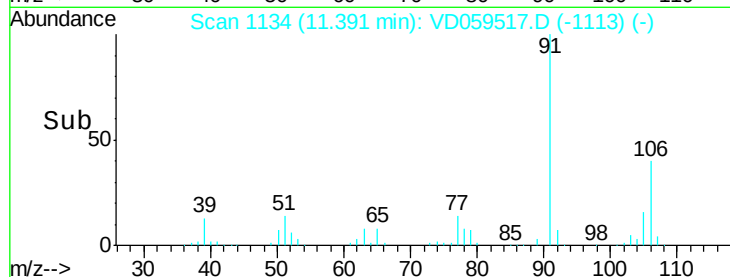
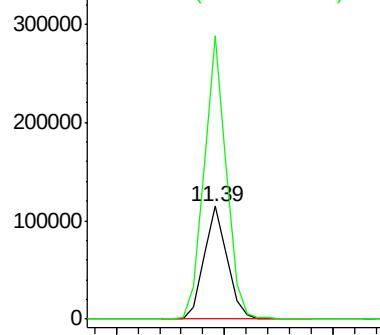
#69
o-Xylene
Concen: 21.190 ug/l
RT: 11.39 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Instrument :
MSVOA_D
ClientSampleId :
VD0702SBS01

Tot Ion:106 Resp: 171998
Ion Ratio Lower Upper
106 100
91 251.4 127.0 381.0

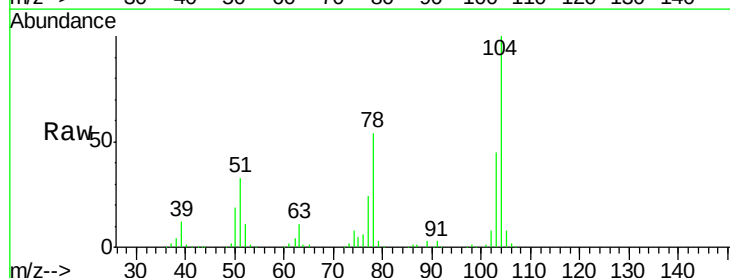


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

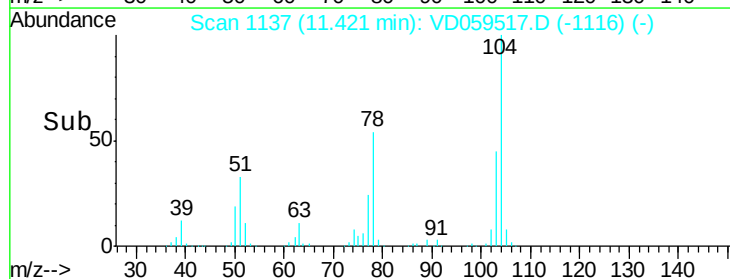
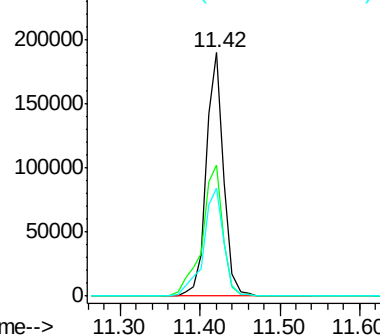


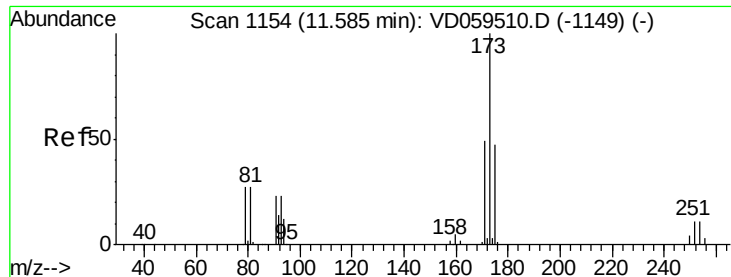
#70
Styrene
Concen: 21.192 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion:104 Resp: 288364
Ion Ratio Lower Upper
104 100
78 54.0 47.6 71.4
103 44.6 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

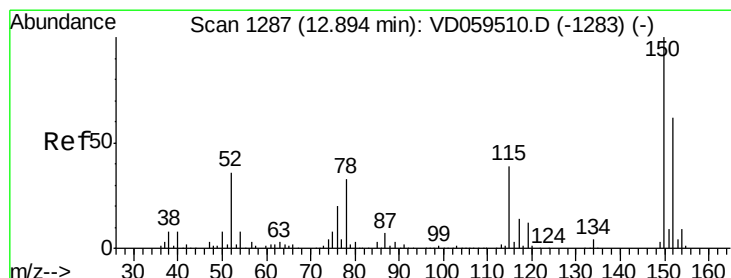
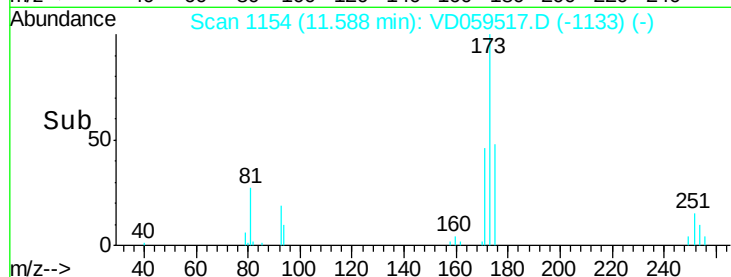
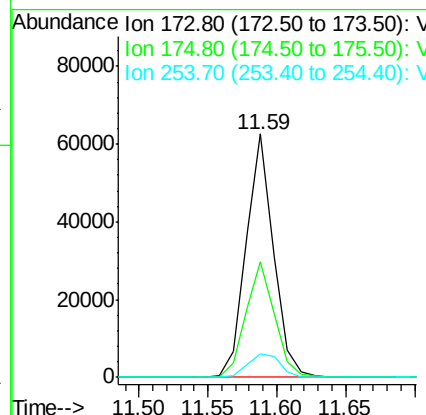
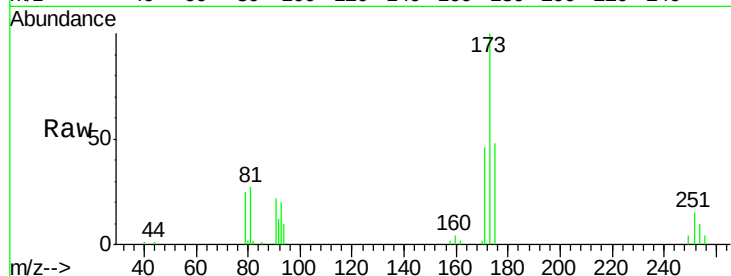




#71
Bromoform
Concen: 19.628 ug/l
RT: 11.59 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

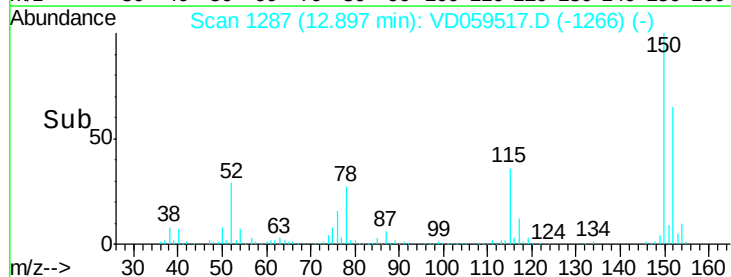
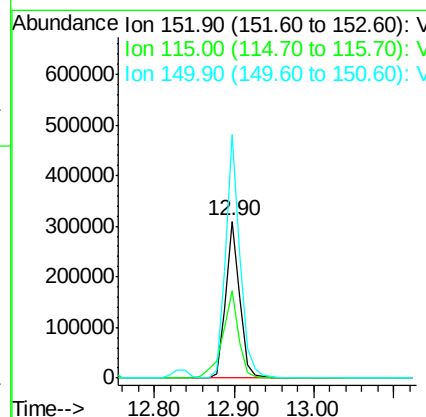
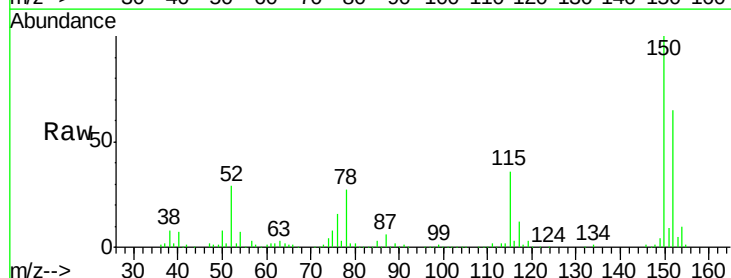
Instrument :
MSVOA_D
ClientSampleId :
VD0702SBSD01

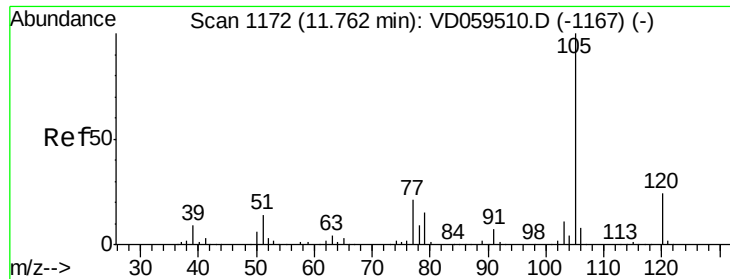
Tot Ion:173 Resp: 86879
Ion Ratio Lower Upper
173 100
175 47.7 23.3 69.8
254 9.9 9.0 13.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VD059517.D
Acq: 2 Jul 2018 22:49

Tgt Ion:152 Resp: 384516
Ion Ratio Lower Upper
152 100
115 55.7 31.3 93.9
150 155.0 0.0 323.6





#73

Isopropylbenzene

Concen: 20.474 ug/l

RT: 11.77 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

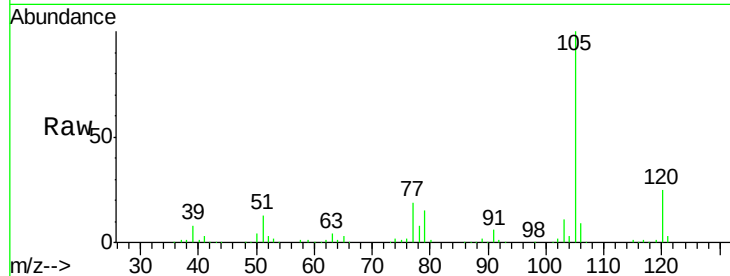
VD0702SBSD01

Tot Ion:105 Resp: 470443

Ion Ratio Lower Upper

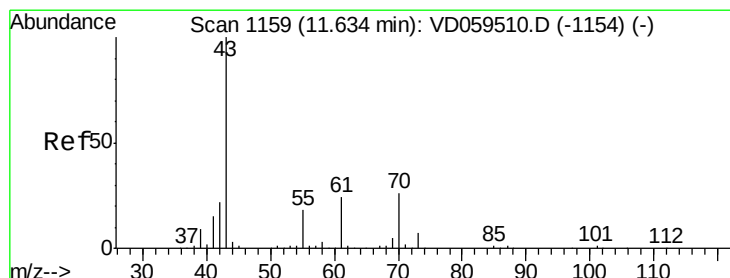
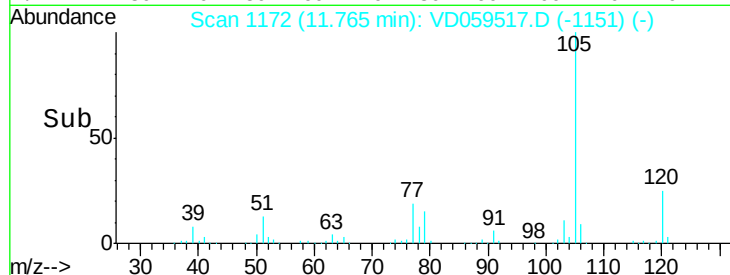
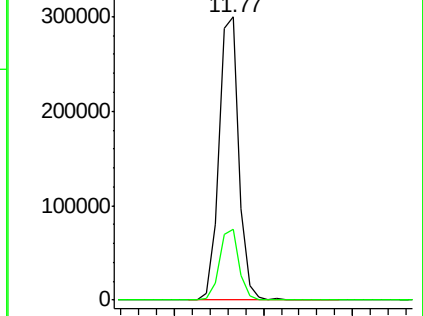
105 100

120 24.9 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: 20.851 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Tgt Ion: 43 Resp: 202205

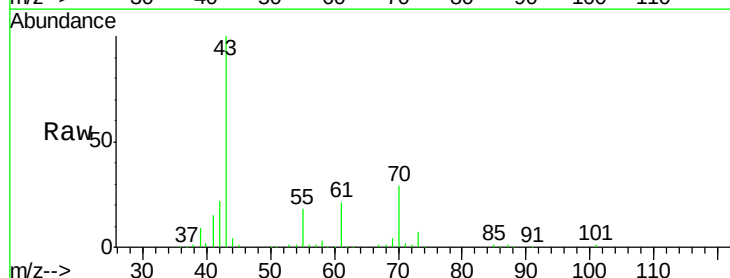
Ion Ratio Lower Upper

43 100

70 28.8 20.6 31.0

55 18.1 14.4 21.6

61 21.0 19.2 28.8

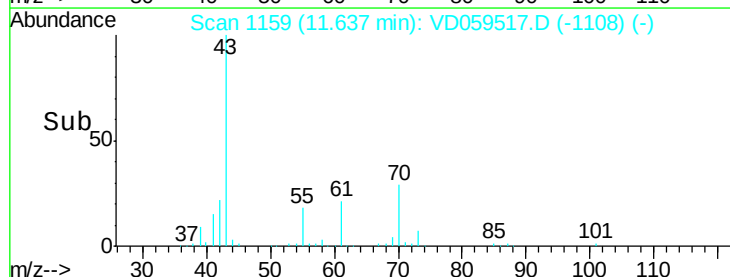
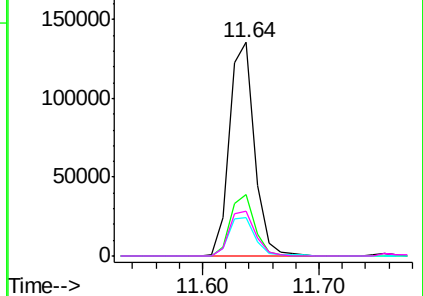


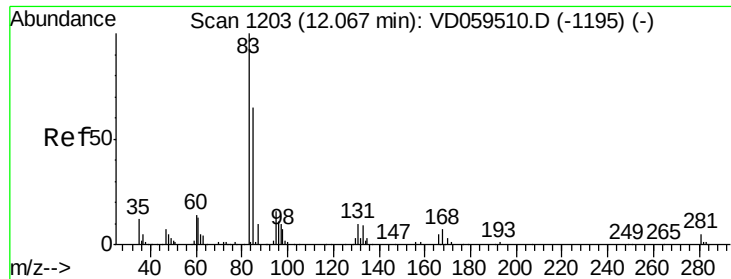
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.914 ug/l

RT: 12.06 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

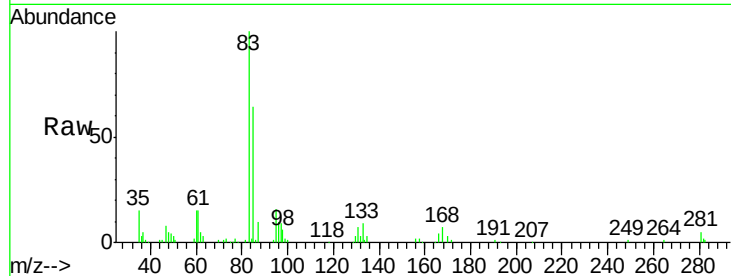
Tot Ion: 83 Resp: 124514

Ion Ratio Lower Upper

83 100

131 7.5 5.0 15.0

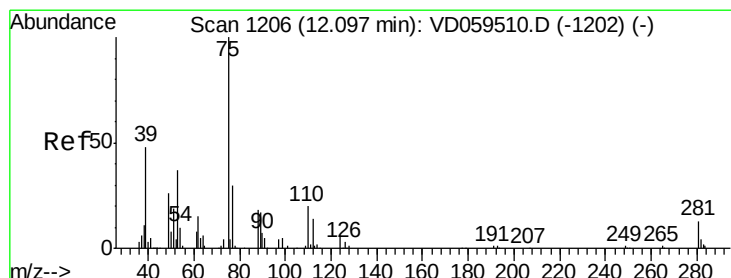
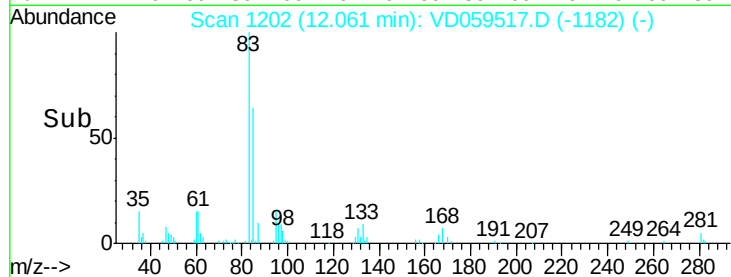
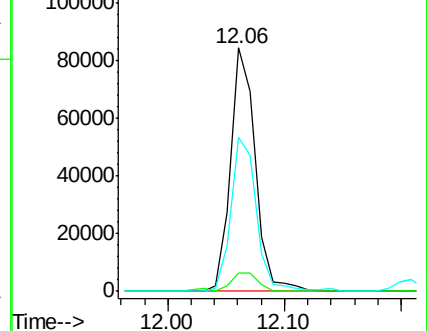
85 63.5 32.3 96.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.036 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VD059517.D

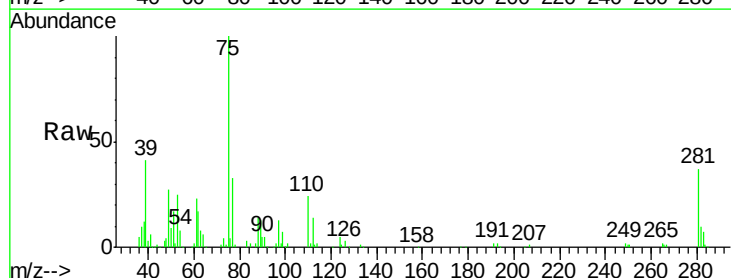
Acq: 2 Jul 2018 22:49

Tgt Ion: 75 Resp: 130532

Ion Ratio Lower Upper

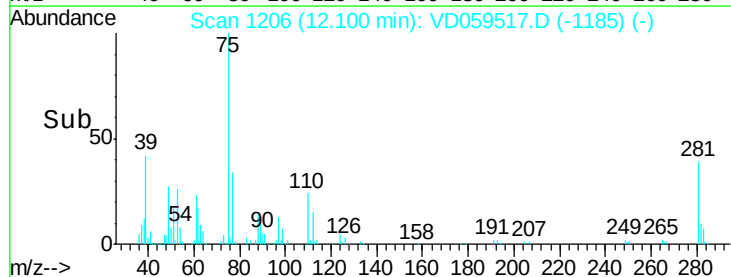
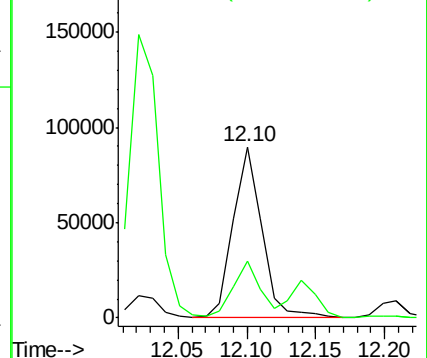
75 100

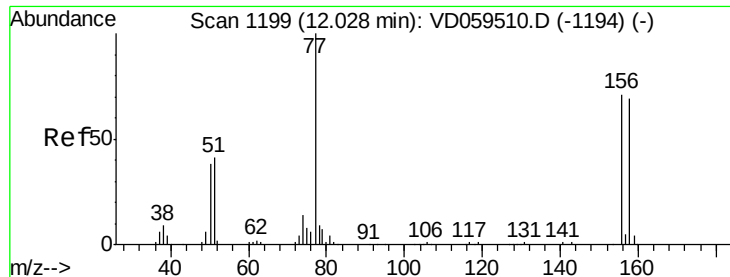
77 33.0 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.435 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

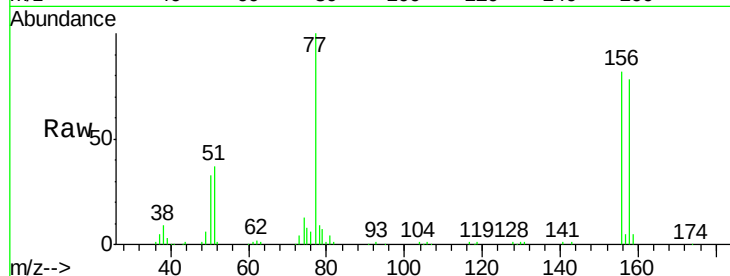
Tot Ion:156 Resp: 147382

Ion Ratio Lower Upper

156 100

77 122.5 70.0 210.0

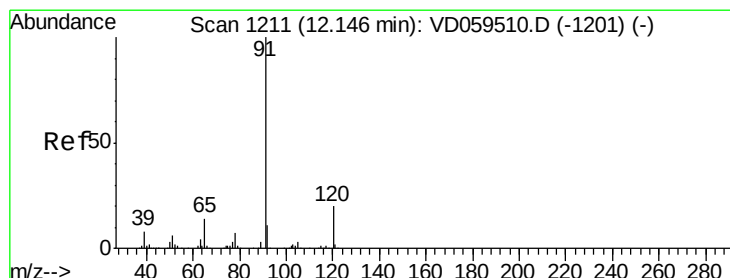
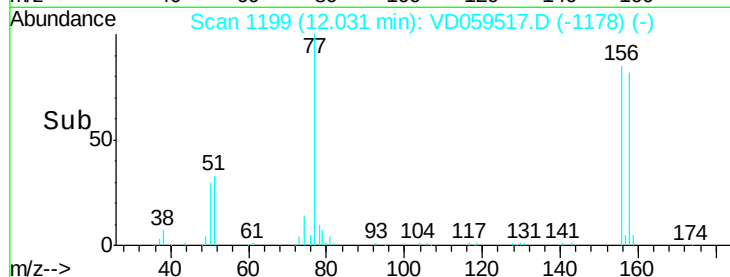
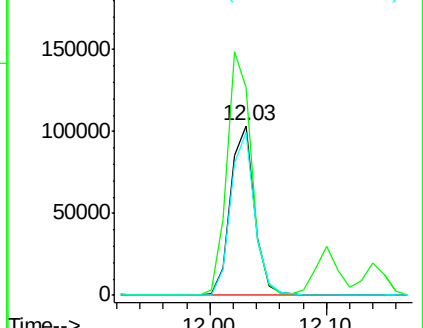
158 96.2 48.3 144.9



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: 19.975 ug/l

RT: 12.14 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059517.D

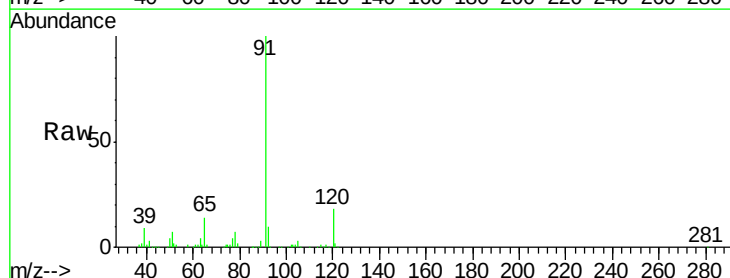
Acq: 2 Jul 2018 22:49

Tgt Ion: 91 Resp: 614856

Ion Ratio Lower Upper

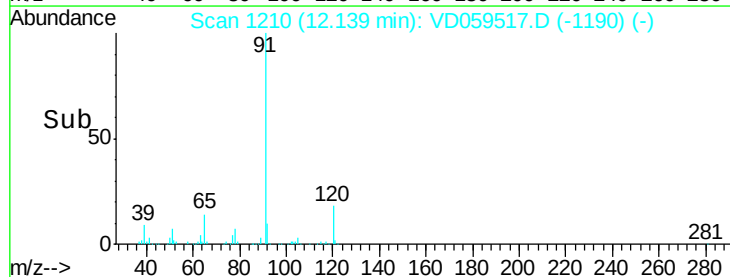
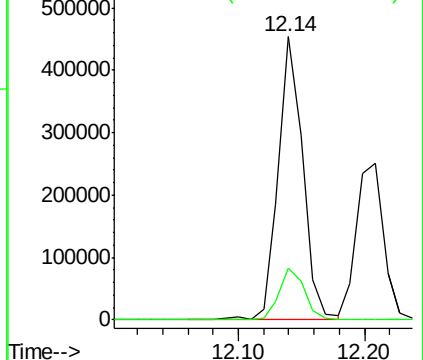
91 100

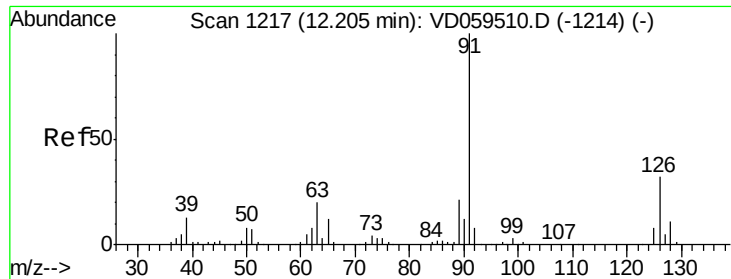
120 18.4 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

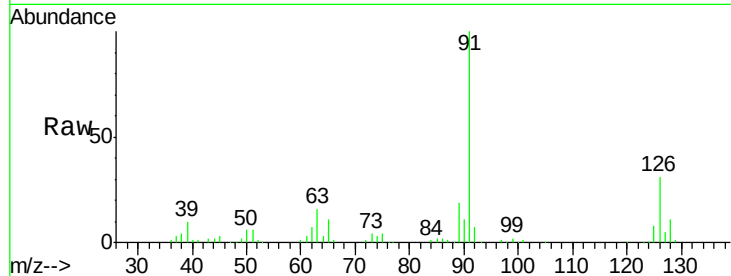




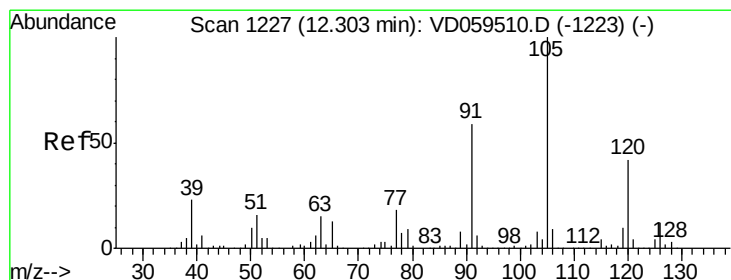
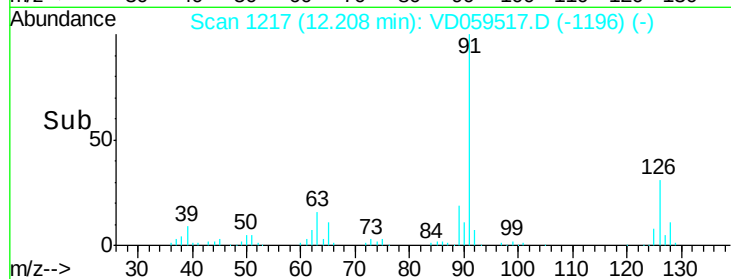
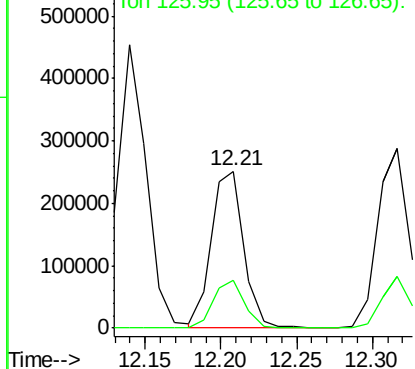
#79
 2-Chlorotoluene
 Concen: 20.621 ug/l
 RT: 12.21 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

Tot Ion: 91 Resp: 373305
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.9 47.6

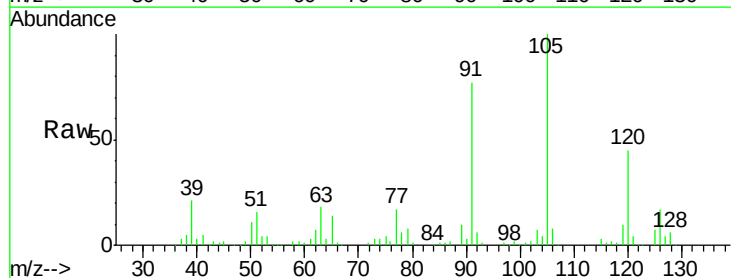


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

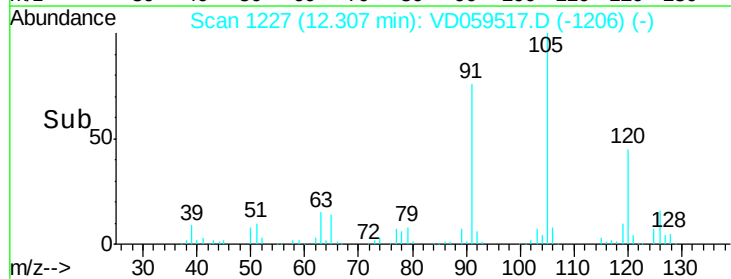
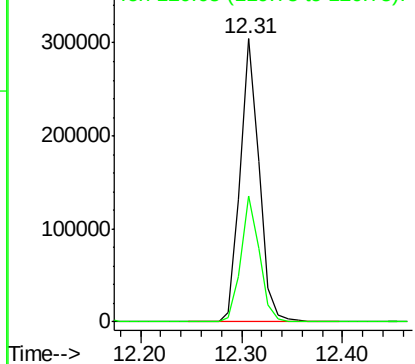


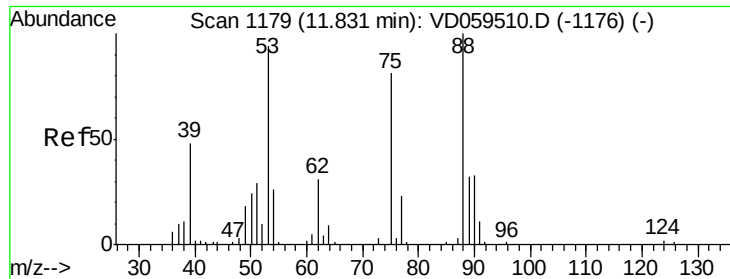
#80
 1,3,5-Trimethylbenzene
 Concen: 21.113 ug/l
 RT: 12.31 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 105 Resp: 394326
 Ion Ratio Lower Upper
 105 100
 120 44.6 20.8 62.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.999 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

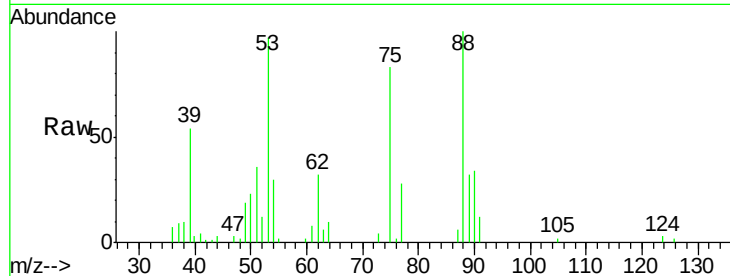
Tot Ion: 75 Resp: 29249

Ion Ratio Lower Upper

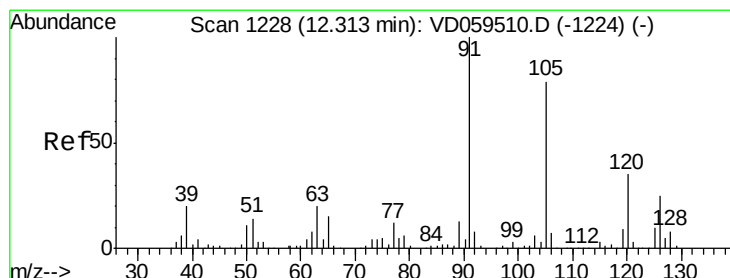
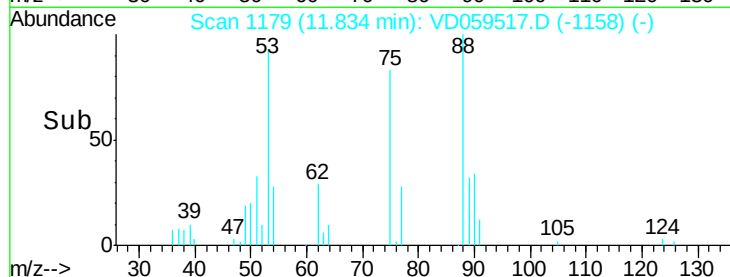
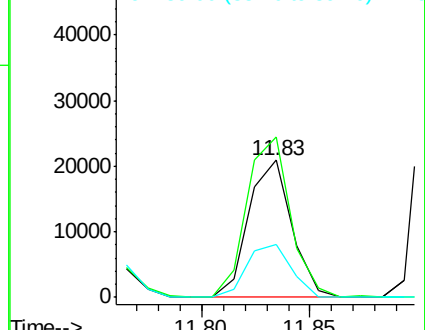
75 100

53 116.6 92.6 139.0

89 38.4 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: 20.650 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VD059517.D

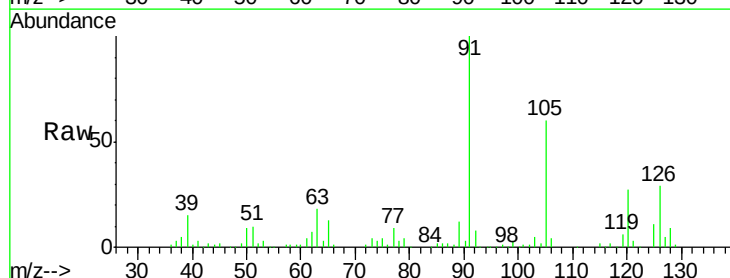
Acq: 2 Jul 2018 22:49

Tgt Ion: 91 Resp: 423697

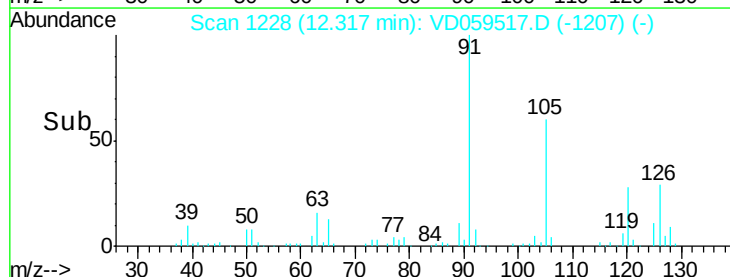
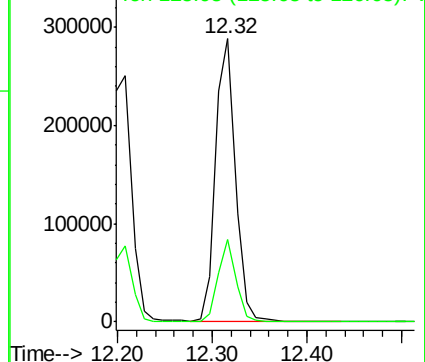
Ion Ratio Lower Upper

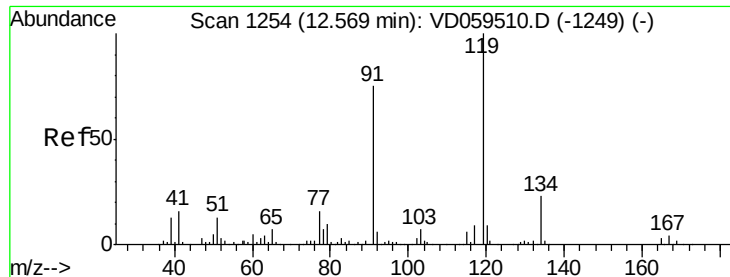
91 100

126 29.1 12.3 36.9



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

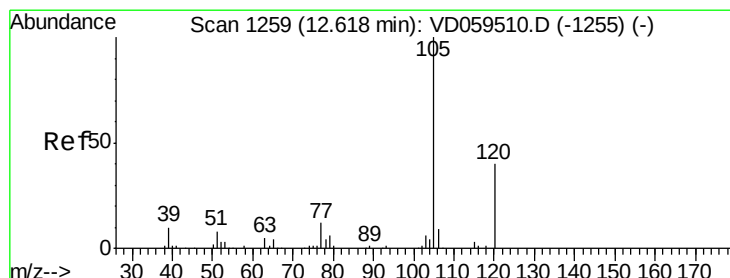
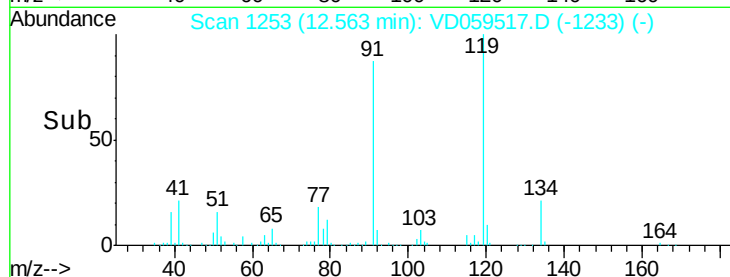
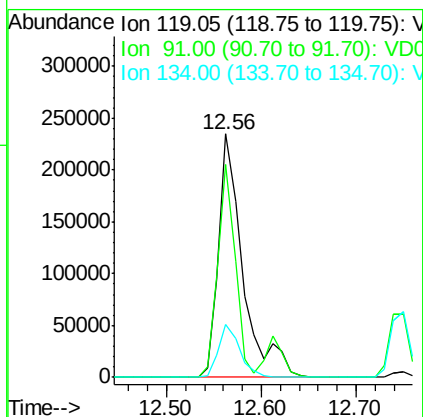
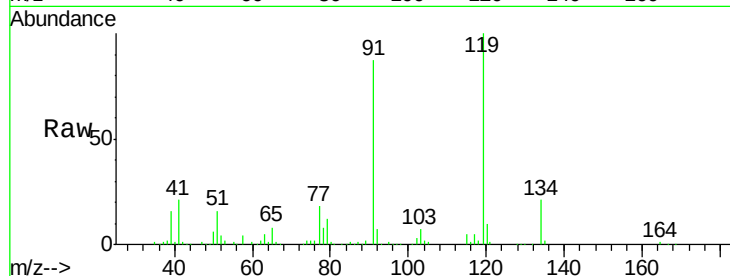




#83
 tert-Butylbenzene
 Concen: 19.778 ug/l
 RT: 12.56 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

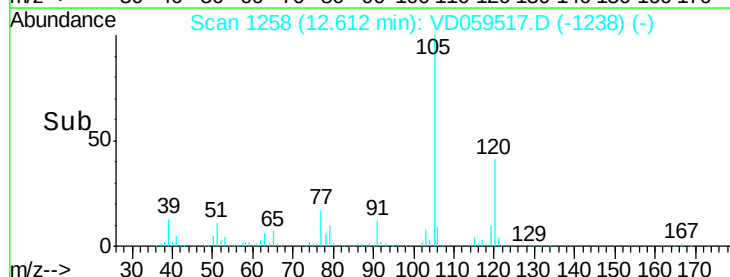
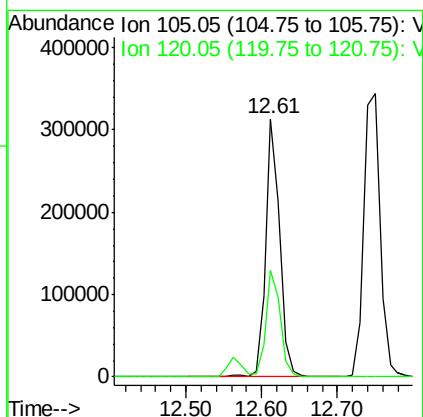
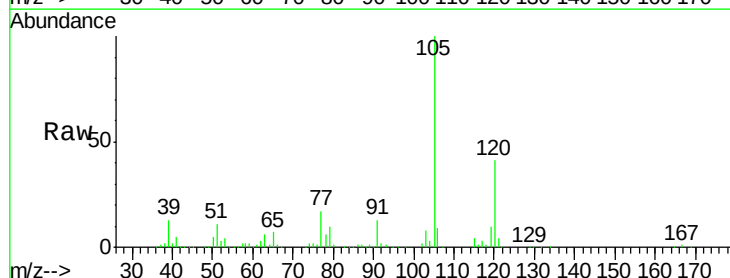
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

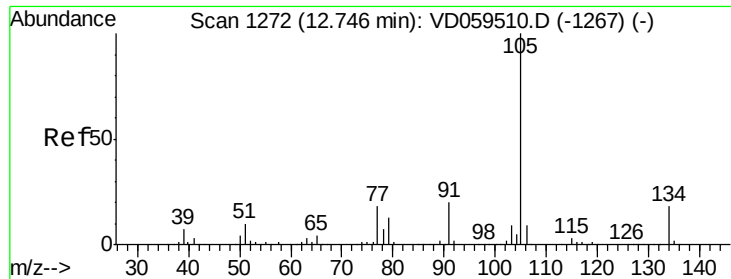
Tot Ion:119 Resp: 420224
 Ion Ratio Lower Upper
 119 100
 91 87.4 37.8 113.3
 134 21.5 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.424 ug/l
 RT: 12.61 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion:105 Resp: 409779
 Ion Ratio Lower Upper
 105 100
 120 41.1 21.1 63.3

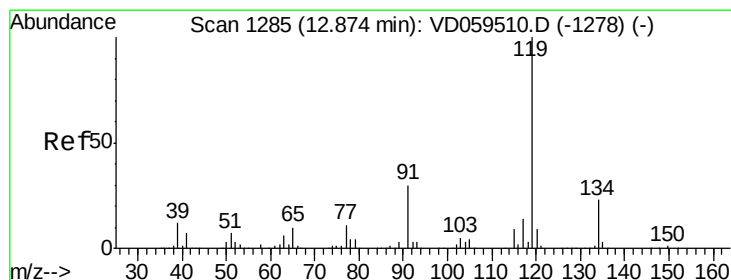
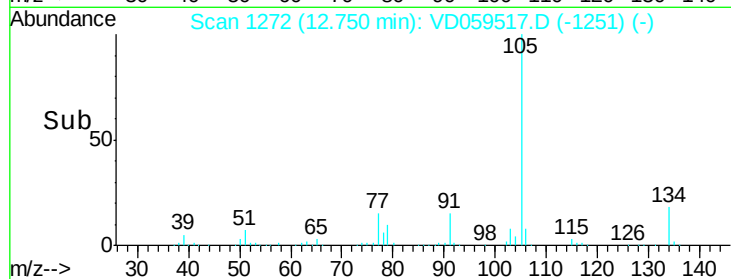
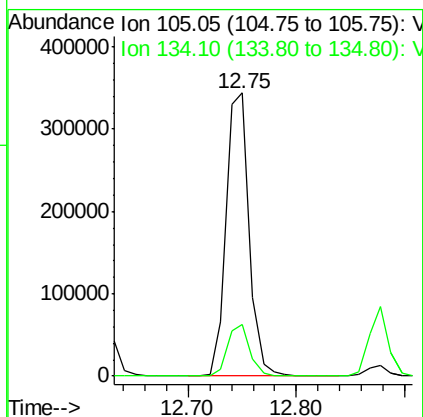
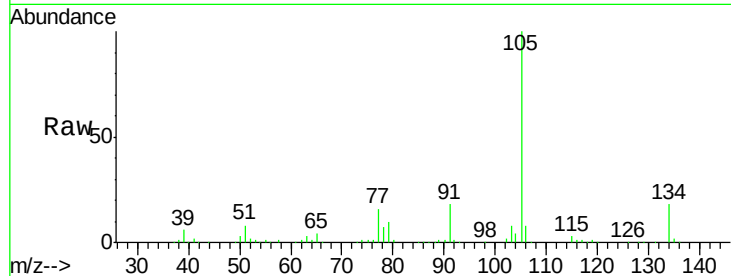




#85
 sec-Butylbenzene
 Concen: 20.824 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

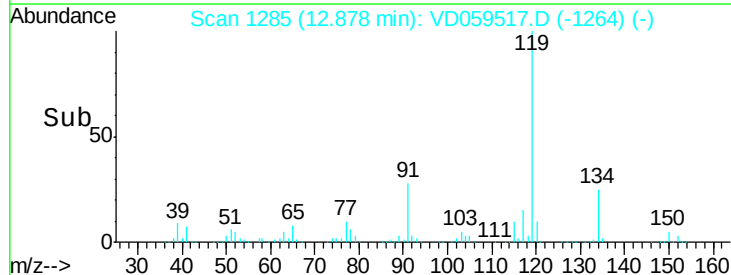
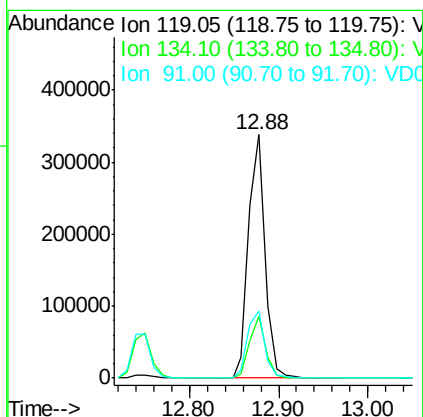
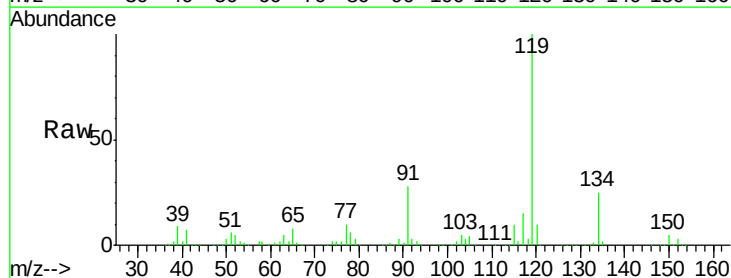
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

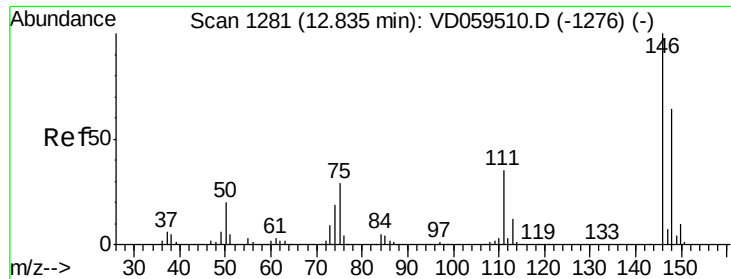
Tot Ion:105 Resp: 507739
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.8 26.4



#86
 p-Isopropyltoluene
 Concen: 21.208 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion:119 Resp: 433786
 Ion Ratio Lower Upper
 119 100
 134 25.2 11.6 34.8
 91 27.6 15.3 45.8

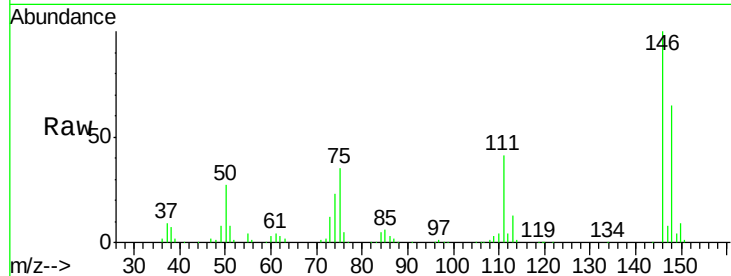




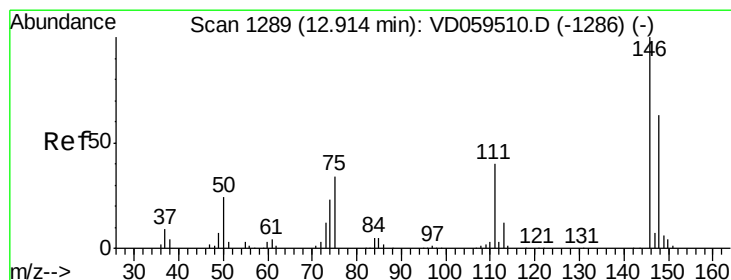
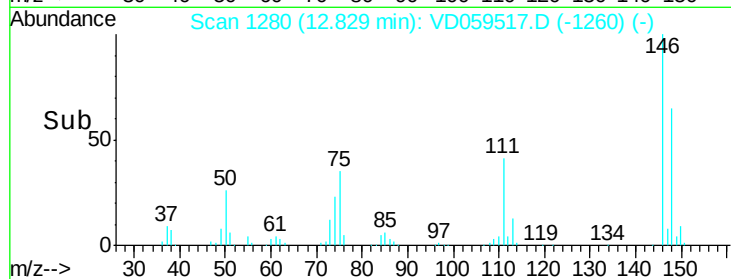
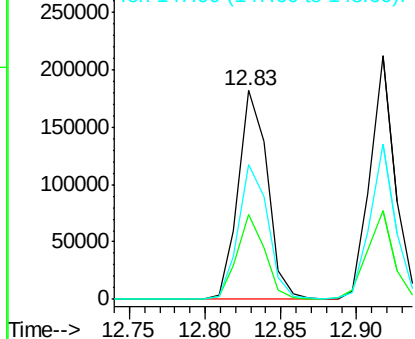
#87
 1,3-Dichlorobenzene
 Concen: 19.876 ug/l
 RT: 12.83 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

Tot Ion:146 Resp: 245425
 Ion Ratio Lower Upper
 146 100
 111 40.8 17.6 52.9
 148 64.6 32.0 96.2

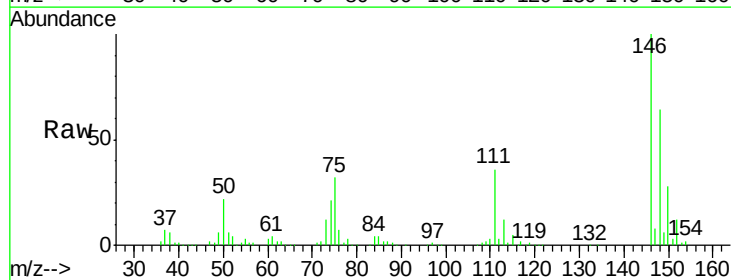


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

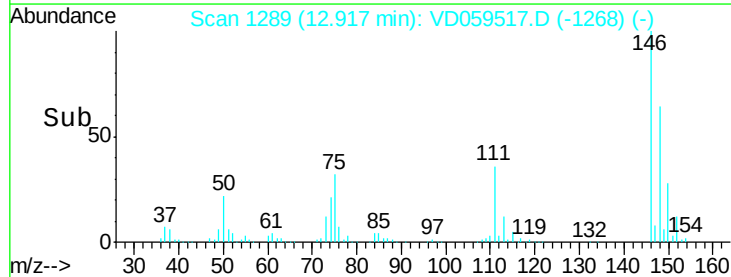
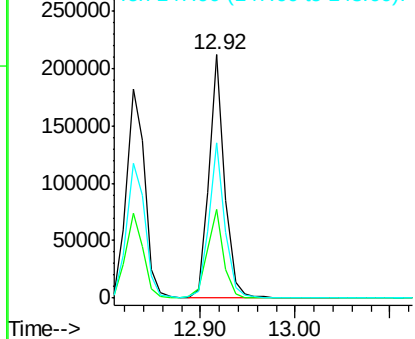


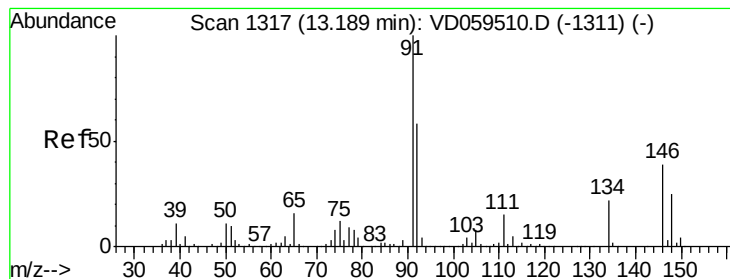
#88
 1,4-Dichlorobenzene
 Concen: 20.561 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion:146 Resp: 249210
 Ion Ratio Lower Upper
 146 100
 111 36.2 20.0 59.9
 148 63.7 31.7 95.1



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





#89

n-Butylbenzene

Concen: 21.179 ug/l

RT: 13.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBS01

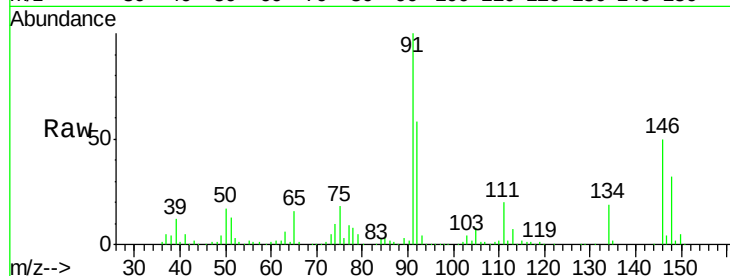
Tot Ion: 91 Resp: 441774

Ion Ratio Lower Upper

91 100

92 57.9 28.9 86.7

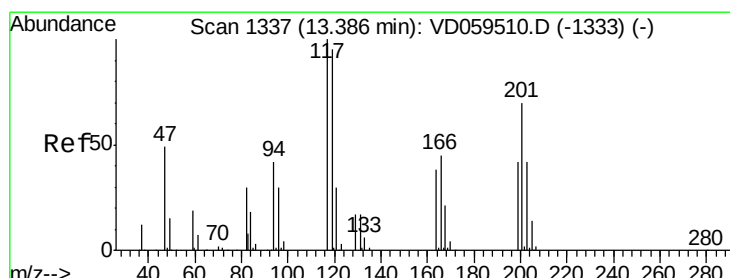
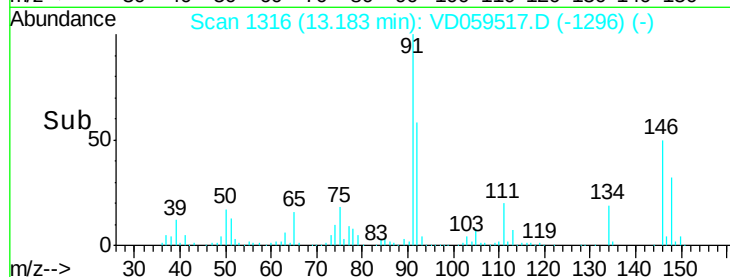
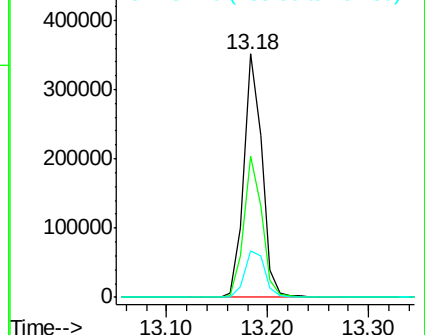
134 19.1 11.3 33.8



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): VDC



#90

Hexachloroethane

Concen: 19.750 ug/l

RT: 13.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VD059517.D

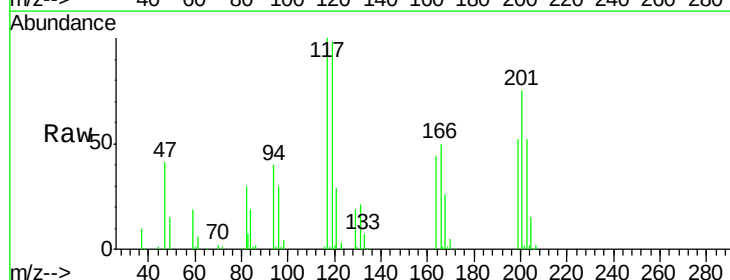
Acq: 2 Jul 2018 22:49

Tgt Ion: 117 Resp: 104661

Ion Ratio Lower Upper

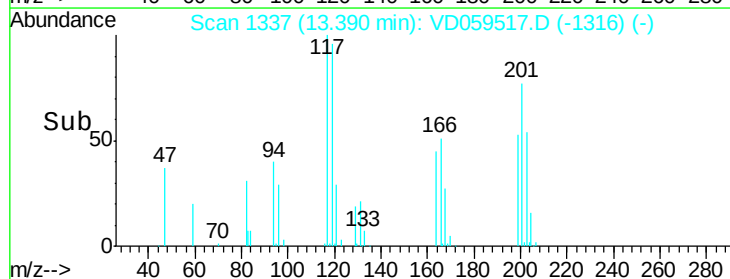
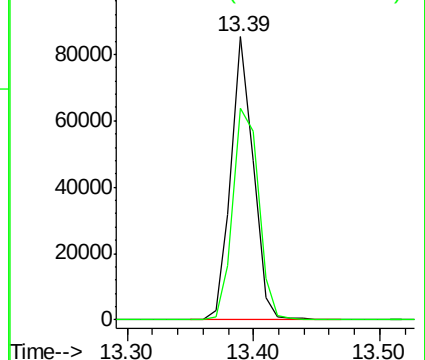
117 100

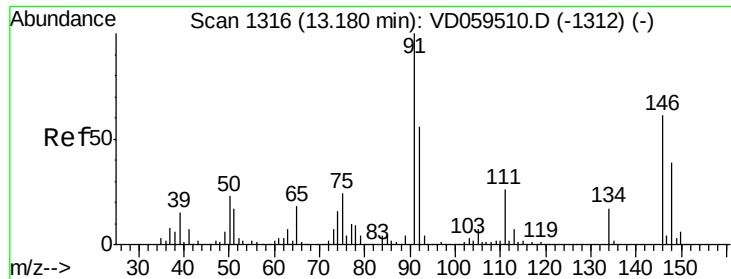
201 74.7 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

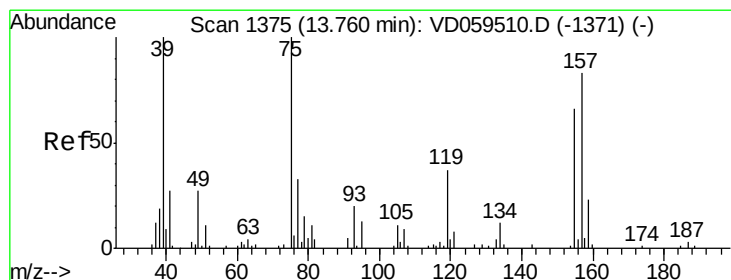
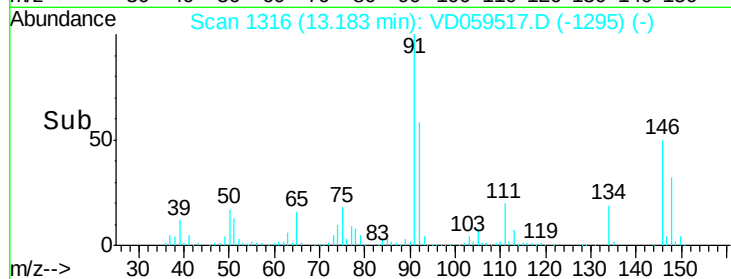
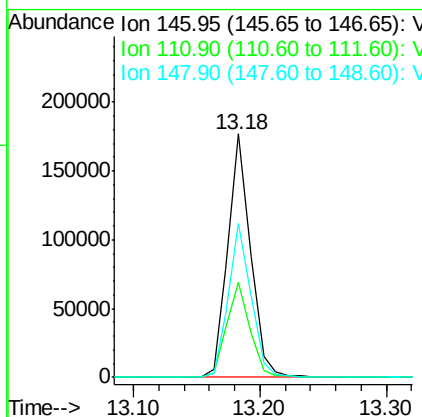
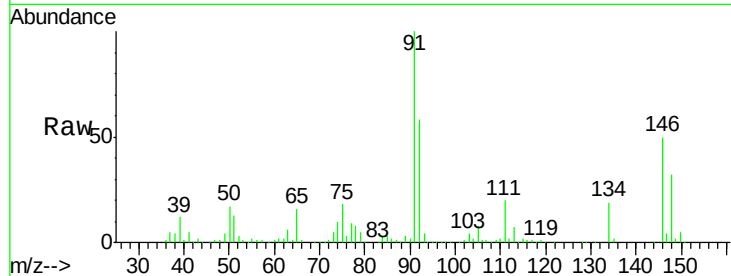




#91
 1,2-Dichlorobenzene
 Concen: 21.201 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

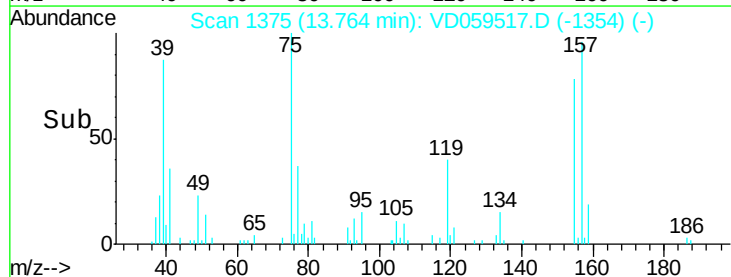
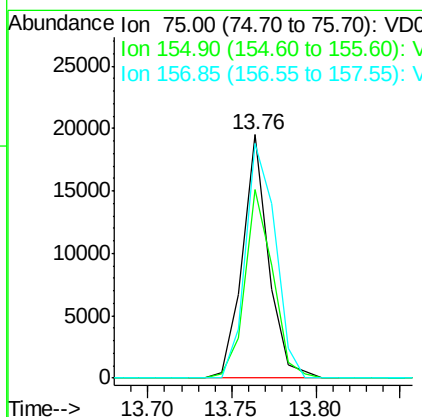
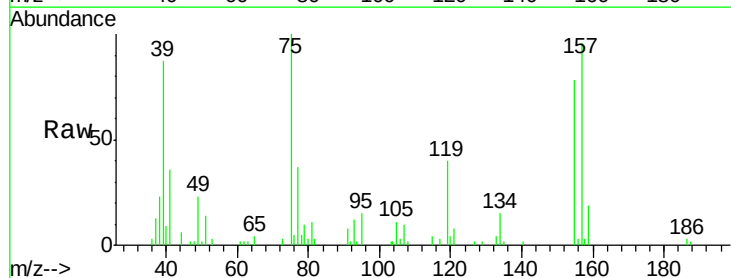
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

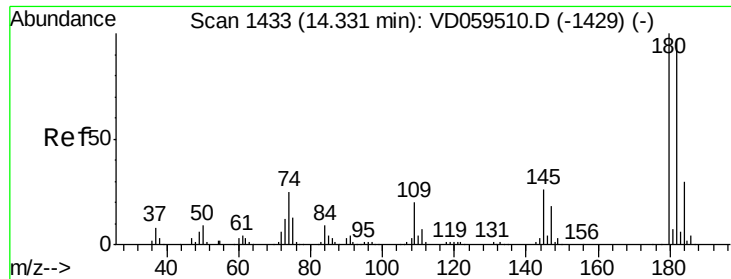
Tot Ion:146 Resp: 220215
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.3 63.9
 148 63.4 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.320 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion: 75 Resp: 20854
 Ion Ratio Lower Upper
 75 100
 155 77.5 32.8 98.4
 157 96.3 41.5 124.5

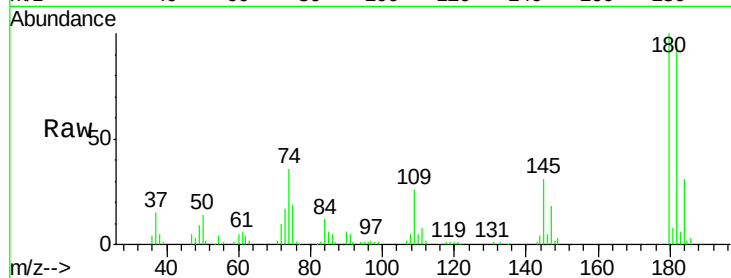




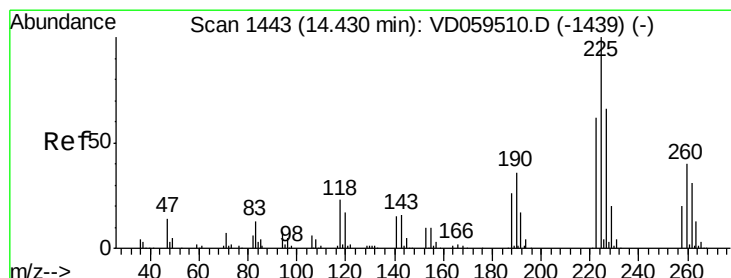
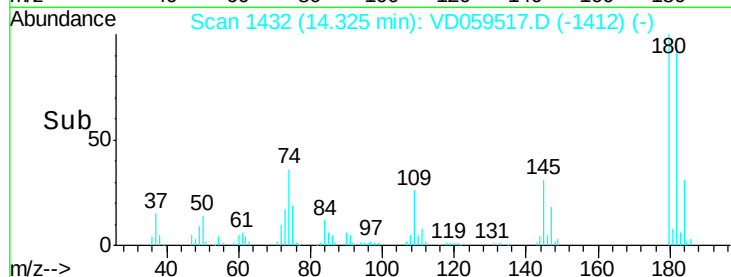
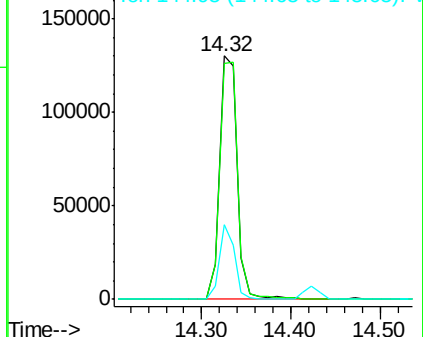
#93
 1,2,4-Trichlorobenzene
 Concen: 19.681 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBSD01

Tot Ion:180 Resp: 181198
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.7 146.1
 145 30.5 13.2 39.6

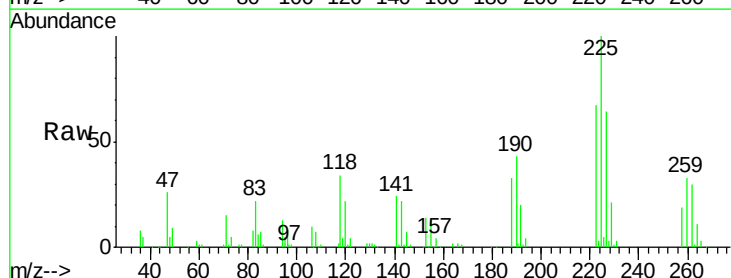


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

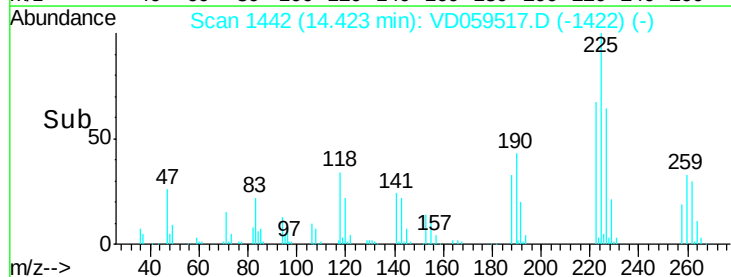
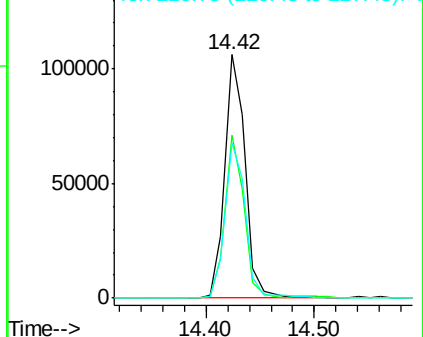


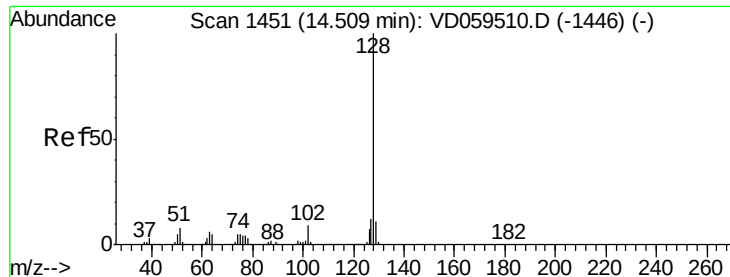
#94
 Hexachlorobutadiene
 Concen: 19.733 ug/l
 RT: 14.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD059517.D
 Acq: 2 Jul 2018 22:49

Tgt Ion:225 Resp: 138967
 Ion Ratio Lower Upper
 225 100
 223 66.8 31.0 93.0
 227 64.0 33.1 99.5



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





#95

Naphthalene

Concen: 20.727 ug/l

RT: 14.50 min Scan# 1450

Delta R.T. -0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

Instrument :

MSVOA_D

ClientSampleId :

VD0702SBSD01

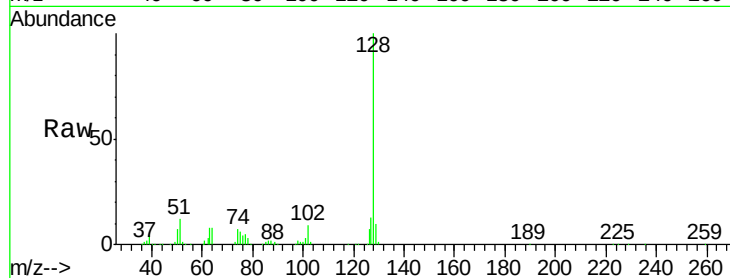
Tot Ion:128 Resp: 283839

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

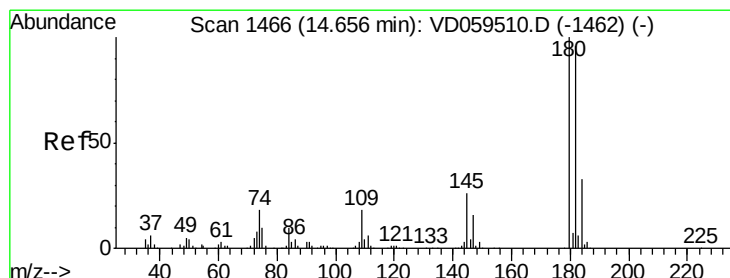
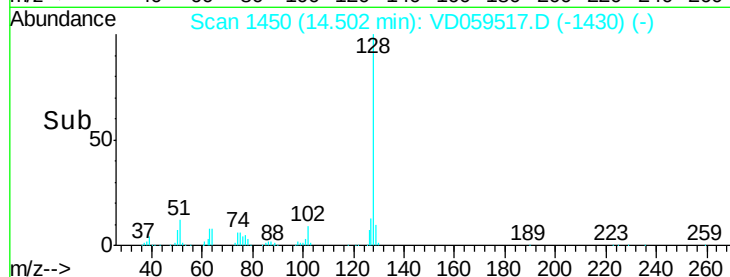
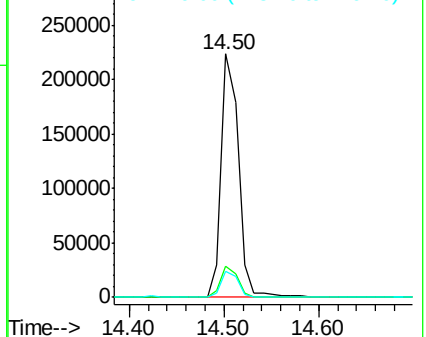
129 10.5 8.6 12.8



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: 19.499 ug/l

RT: 14.65 min Scan# 1465

Delta R.T. -0.01 min

Lab File: VD059517.D

Acq: 2 Jul 2018 22:49

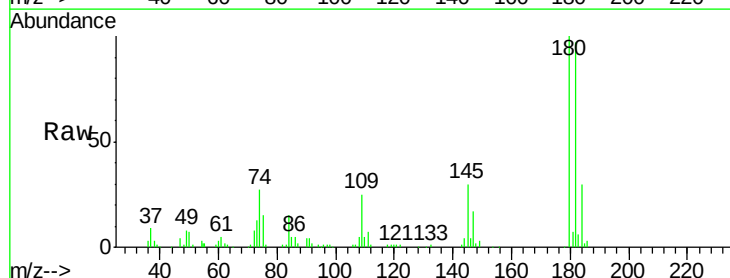
Tgt Ion:180 Resp: 157864

Ion Ratio Lower Upper

180 100

182 97.2 48.1 144.4

145 29.7 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

