

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057991.D
 Acq On : 8 Jun 2018 2:12
 Operator : JC/SY
 Sample : VD0607SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Quant Time: Jun 08 06:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	989608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1297925	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	1073603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	545656	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	498445	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	5.54	113	496205	49.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	8.70	98	1151193	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.92	95	493098	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	261541	19.692	ug/l	100
3) Chloromethane	1.50	50	140288	21.446	ug/l	97
4) Vinyl Chloride	1.57	62	127412	20.122	ug/l	91
5) Bromomethane	1.80	94	43630	17.581	ug/l	86
6) Chloroethane	1.89	64	39623	15.861	ug/l	95
7) Trichlorofluoromethane	2.09	101	152116	17.575	ug/l	98
8) Diethyl Ether	2.35	74	35101	21.831	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.56	101	105426	20.421	ug/l	95
10) Methyl Iodide	2.70	142	123091	18.478	ug/l	93
11) Tert butyl alcohol	3.28	59	28244	106.566	ug/l #	93
12) 1,1-Dichloroethene	2.55	96	86200	21.718	ug/l	94
13) Acrolein	2.48	56	41277	108.747	ug/l	98
14) Allyl chloride	2.92	41	187045	20.429	ug/l	99
15) Acrylonitrile	3.37	53	172431	111.209	ug/l	94
16) Acetone	2.62	43	134650	94.464	ug/l	98
17) Carbon Disulfide	2.76	76	288734	20.081	ug/l	98
18) Methyl Acetate	2.94	43	63328	22.966	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	380706	21.799	ug/l	95
20) Methylene Chloride	3.07	84	101038	24.912	ug/l	97
21) trans-1,2-Dichloroethene	3.40	96	179103	20.260	ug/l	92
22) Diisopropyl ether	4.07	45	765662	21.109	ug/l	89
23) Vinyl Acetate	4.02	43	2015173	107.527	ug/l	98
24) 1,1-Dichloroethane	3.98	63	409449	20.539	ug/l	99
25) 2-Butanone	4.83	43	341117	105.302	ug/l	98
26) 2,2-Dichloropropane	4.80	77	303343	18.472	ug/l	91
27) cis-1,2-Dichloroethene	4.81	96	220159	20.998	ug/l	91
28) Bromochloromethane	5.15	49	198143	22.965	ug/l	92
29) Tetrahydrofuran	5.18	42	193401	113.891	ug/l	99
30) Chloroform	5.32	83	418393	20.854	ug/l	98
31) Cyclohexane	5.59	56	333335	19.376	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	332054	19.767	ug/l	96
36) 1,1-Dichloropropene	5.74	75	292975	20.488	ug/l	98
37) Ethyl Acetate	4.92	43	193922	24.853	ug/l	98
38) Carbon Tetrachloride	5.72	117	280687	19.917	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
 Data File : VD057991.D
 Acq On : 8 Jun 2018 2:12
 Operator : JC/SY
 Sample : VD0607SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0607SBS02

Quant Time: Jun 08 06:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	282793	19.949	ug/l	97
40) Benzene	6.02	78	707779	21.188	ug/l	99
41) Methacrylonitrile	5.12	41	81804	22.929	ug/l	95
42) 1,2-Dichloroethane	6.12	62	297649	22.038	ug/l	100
43) Isopropyl Acetate	7.61	43	227105	22.221	ug/l #	98
44) Trichloroethene	6.98	130	208481	21.366	ug/l	91
45) 1,2-Dichloropropane	7.34	63	197926	21.318	ug/l	96
46) Dibromomethane	7.45	93	131642	22.072	ug/l	97
47) Bromodichloromethane	7.74	83	299427	21.442	ug/l	99
48) Methyl methacrylate	7.49	41	137836	21.912	ug/l	94
49) 1,4-Dioxane	7.48	88	24029	461.108	ug/l	94
51) 4-Methyl-2-Pentanone	8.59	43	775509	118.302	ug/l	98
52) Toluene	8.79	92	417594	21.782	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	258566	21.491	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	300506	21.201	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	132358	21.332	ug/l	94
56) Ethyl methacrylate	9.30	69	173138	22.748	ug/l	99
57) 1,3-Dichloropropane	9.66	76	238377	21.905	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	434214	112.921	ug/l	95
59) 2-Hexanone	9.78	43	536988	111.780	ug/l	100
60) Dibromochloromethane	9.95	129	188022	21.489	ug/l	99
61) 1,2-Dibromoethane	10.08	107	151008	21.163	ug/l	90
64) Tetrachloroethene	9.50	164	198442	20.675	ug/l	95
65) Chlorobenzene	10.71	112	441721	20.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	178018	21.319	ug/l	99
67) Ethyl Benzene	10.85	91	825029	21.011	ug/l	100
68) m/p-Xylenes	11.01	106	548427	42.844	ug/l	97
69) o-Xylene	11.40	106	254586	20.037	ug/l	98
70) Styrene	11.42	104	440638	20.949	ug/l	99
71) Bromoform	11.60	173	131293	20.901	ug/l	95
73) Isopropylbenzene	11.77	105	747707	20.688	ug/l	100
74) N-amyl acetate	11.64	43	299894	21.504	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	171159	21.721	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	184518	22.512	ug/l	96
77) Bromobenzene	12.03	156	218687	20.442	ug/l	97
78) n-propylbenzene	12.15	91	980453	20.848	ug/l	99
79) 2-Chlorotoluene	12.21	91	559403	20.850	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	582319	20.660	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.83	75	43861	21.605	ug/l	89
82) 4-Chlorotoluene	12.32	91	611607	21.635	ug/l	100
83) tert-Butylbenzene	12.57	119	605777	19.034	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	621681	20.514	ug/l	100
85) sec-Butylbenzene	12.75	105	756780	19.703	ug/l	100
86) p-Isopropyltoluene	12.88	119	616823	19.925	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	376991	20.832	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	360421	20.441	ug/l	92
89) n-Butylbenzene	13.19	91	678535	21.858	ug/l	100
90) Hexachloroethane	13.40	117	159418	20.176	ug/l	95
91) 1,2-Dichlorobenzene	13.18	146	327337	22.383	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.76	75	26278	21.608	ug/l	88

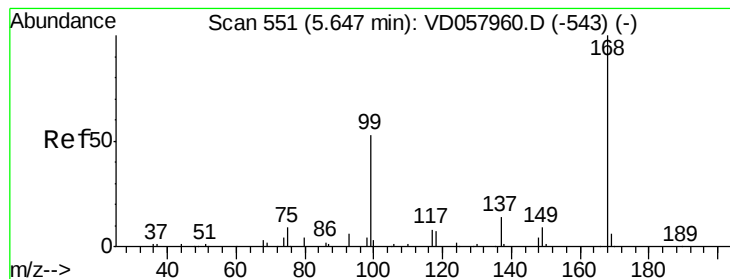
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060718\
Data File : VD057991.D
Acq On : 8 Jun 2018 2:12
Operator : JC/SY
Sample : VD0607SBSD02
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

Quant Time: Jun 08 06:53:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	274897	20.120	ug/l	98
94) Hexachlorobutadiene	14.43	225	206407	19.206	ug/l	97
95) Naphthalene	14.51	128	371438	21.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	239082	20.533	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

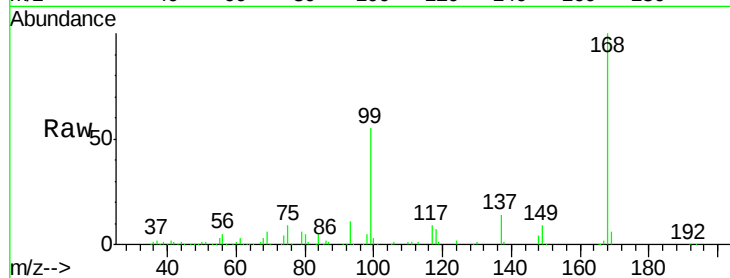
VD0607SBSD02

Tgt Ion:168 Resp: 989608

Ion Ratio Lower Upper

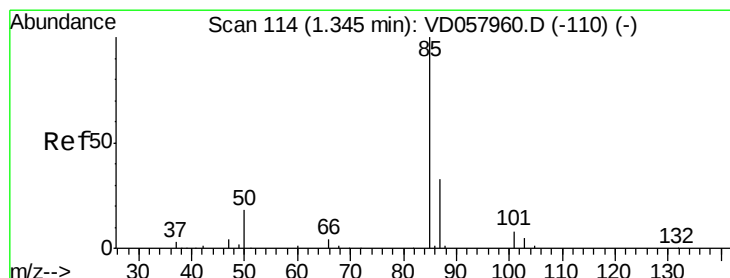
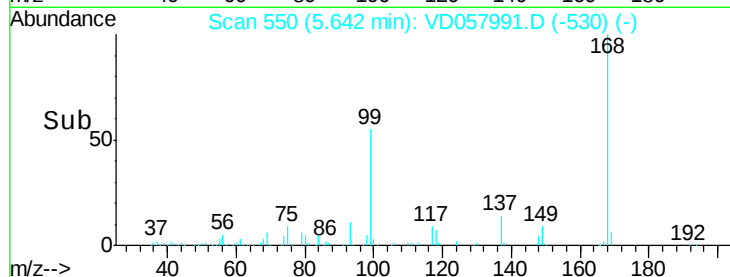
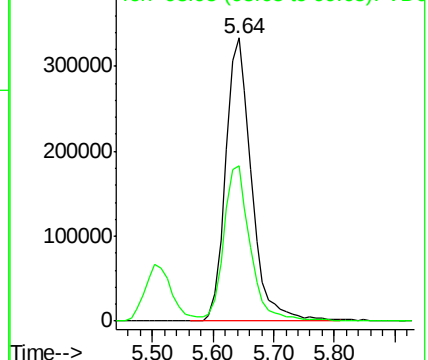
168 100

99 55.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.692 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD057991.D

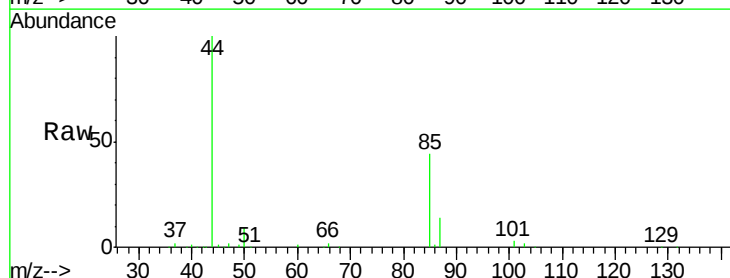
Acq: 8 Jun 2018 2:12

Tgt Ion: 85 Resp: 261541

Ion Ratio Lower Upper

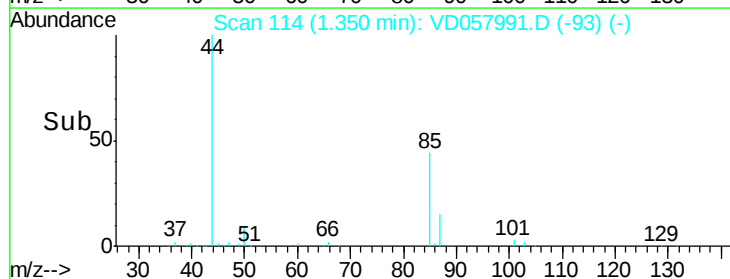
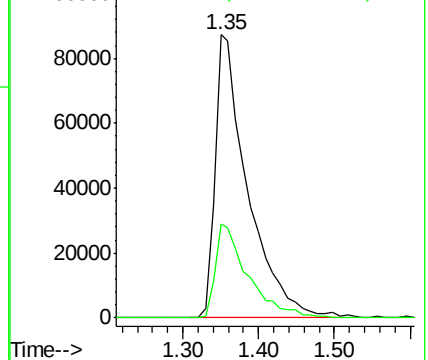
85 100

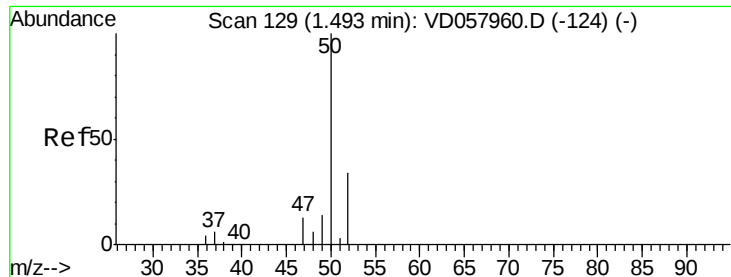
87 33.1 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.446 ug/l

RT: 1.50 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

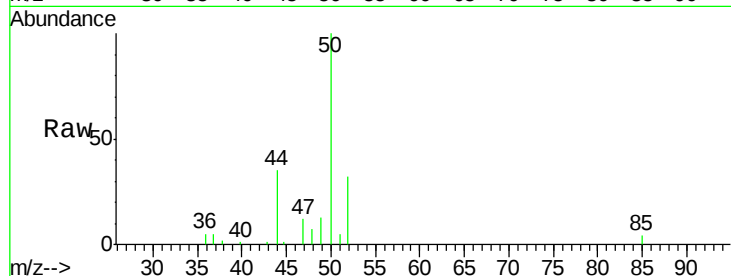
VD0607SBS02

Tgt Ion: 50 Resp: 140288

Ion Ratio Lower Upper

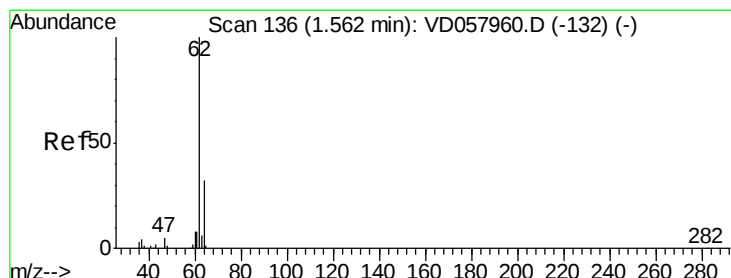
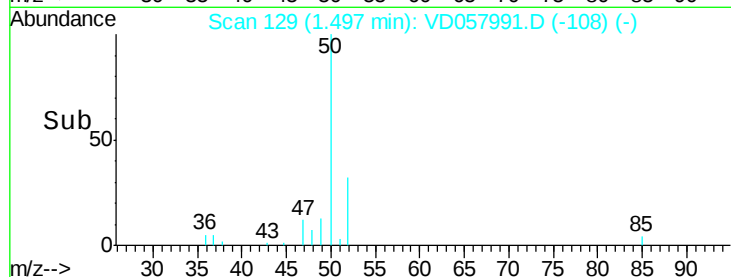
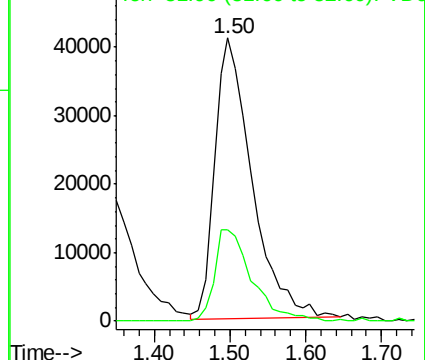
50 100

52 32.4 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.122 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD057991.D

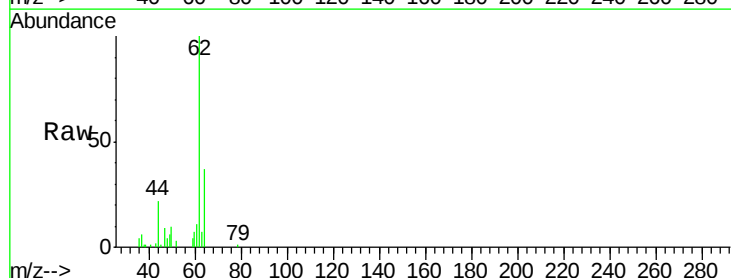
Acq: 8 Jun 2018 2:12

Tgt Ion: 62 Resp: 127412

Ion Ratio Lower Upper

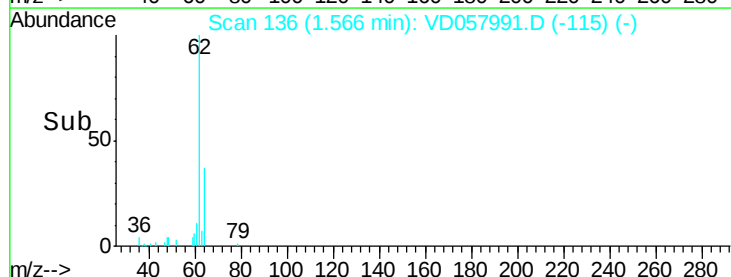
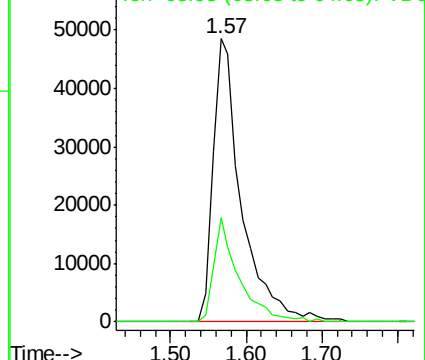
62 100

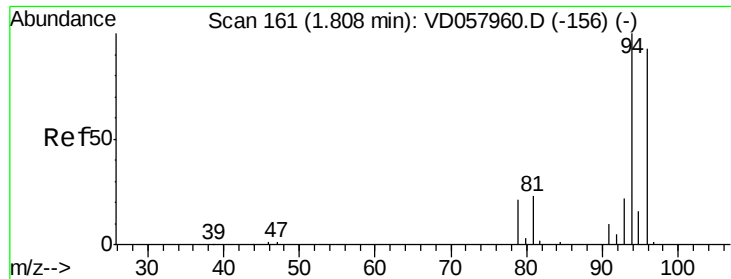
64 37.0 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

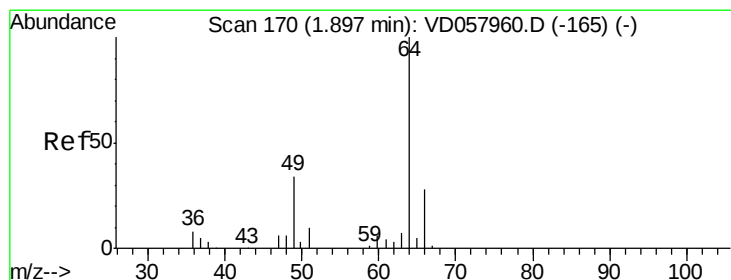
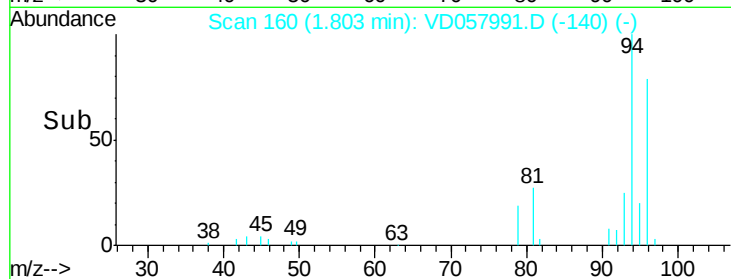
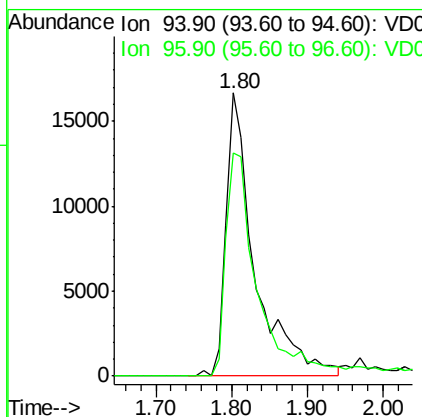
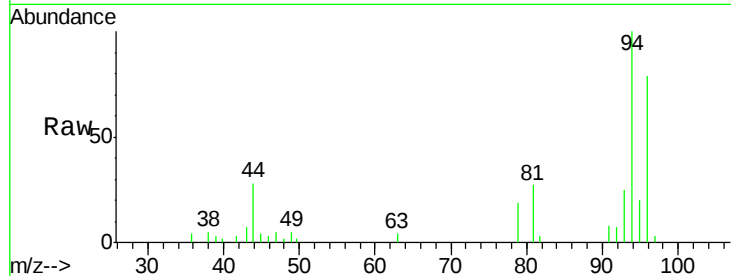




#5
Bromomethane
Concen: 17.581 ug/l
RT: 1.80 min Scan# 160
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

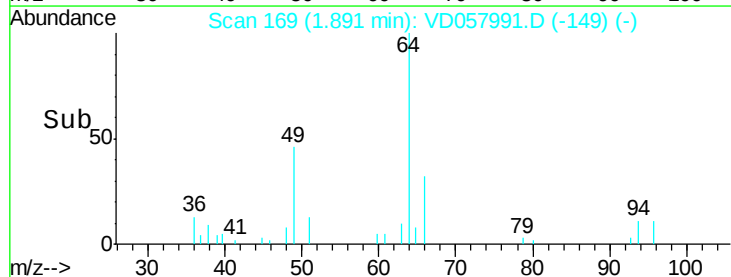
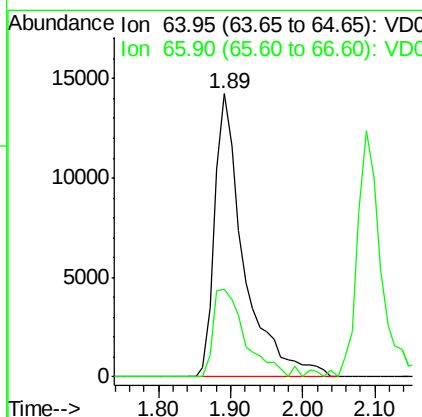
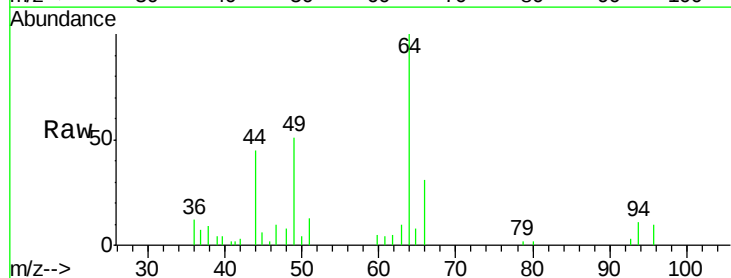
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

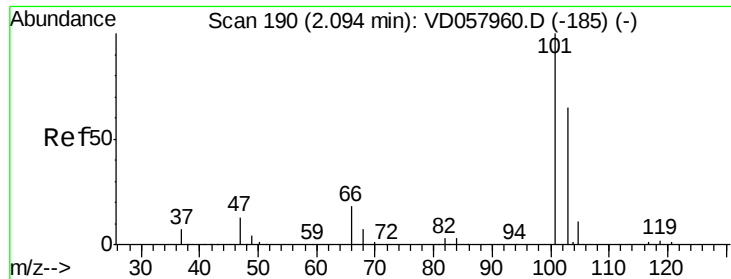
Tgt Ion: 94 Resp: 43630
Ion Ratio Lower Upper
94 100
96 79.1 74.3 111.5



#6
Chloroethane
Concen: 15.861 ug/l
RT: 1.89 min Scan# 169
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 64 Resp: 39623
Ion Ratio Lower Upper
64 100
66 30.9 22.8 34.2



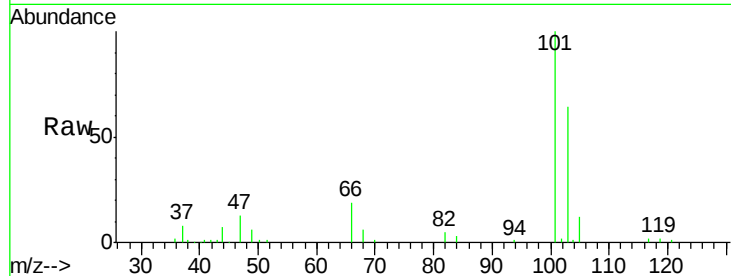


#7

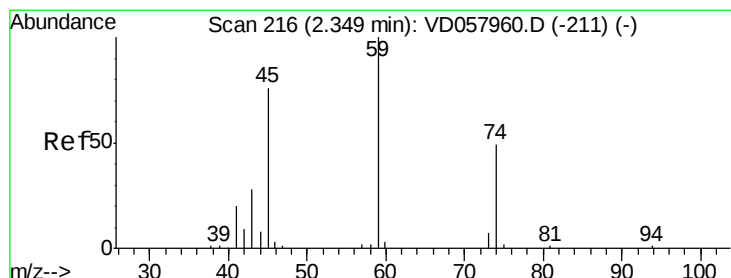
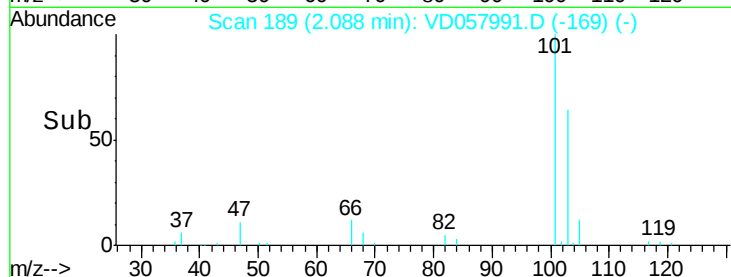
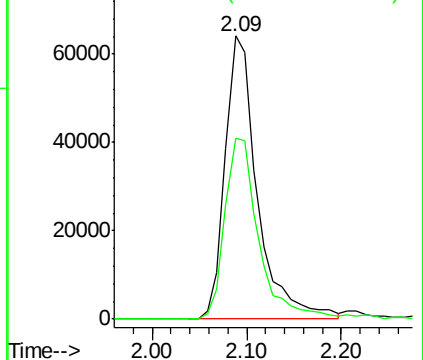
Trichlorofluoromethane
 Concen: 17.575 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tgt Ion: 101 Resp: 152116
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.4 78.6



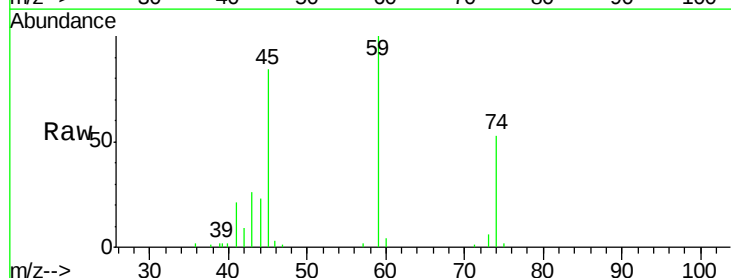
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



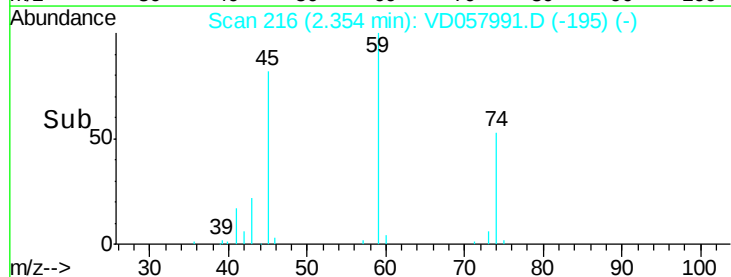
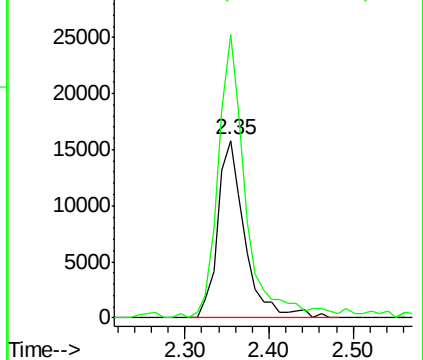
#8

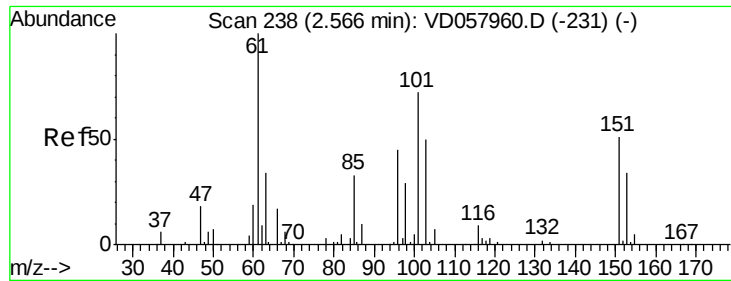
Diethyl Ether
 Concen: 21.831 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion: 74 Resp: 35101
 Ion Ratio Lower Upper
 74 100
 45 159.7 77.1 231.3



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: 20.421 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

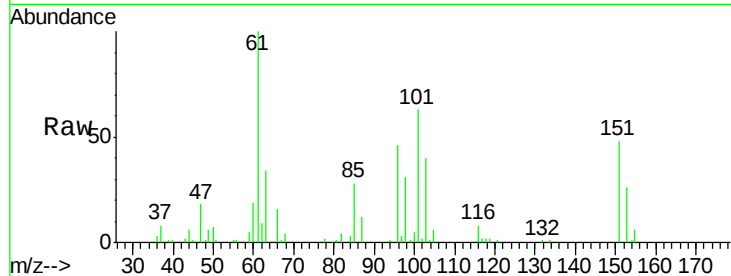
Tgt Ion:101 Resp: 105426

Ion Ratio Lower Upper

101 100

85 44.3 37.3 55.9

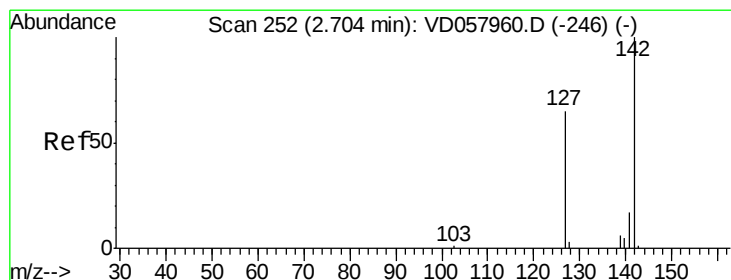
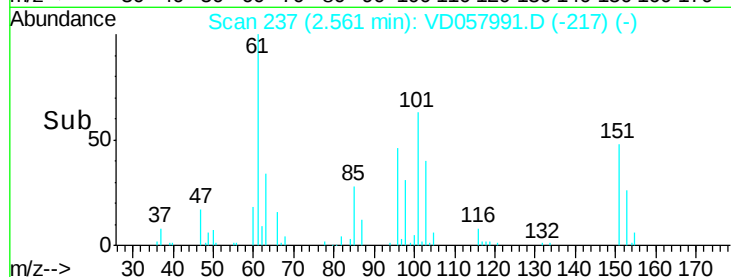
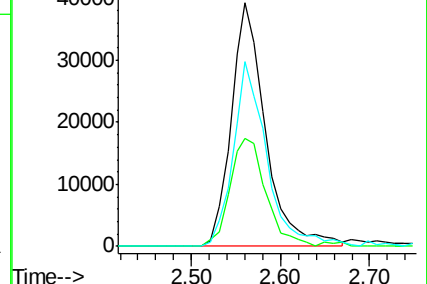
151 75.8 57.0 85.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.478 ug/l

RT: 2.70 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

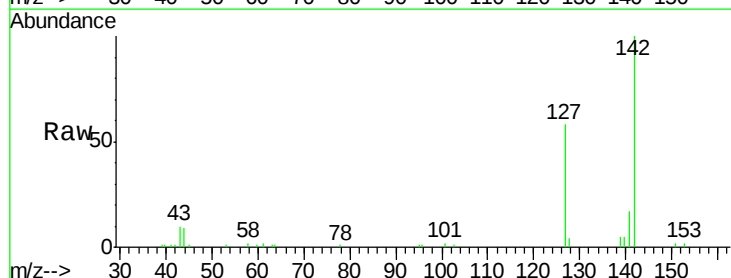
Tgt Ion:142 Resp: 123091

Ion Ratio Lower Upper

142 100

127 58.2 52.0 78.0

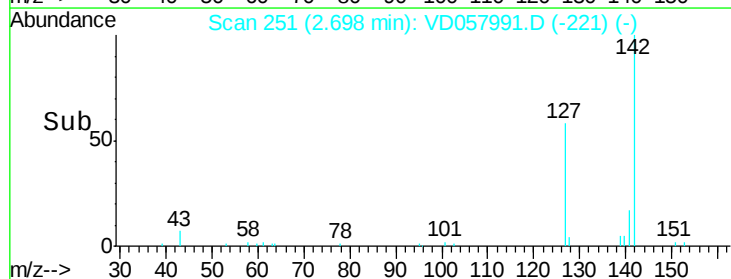
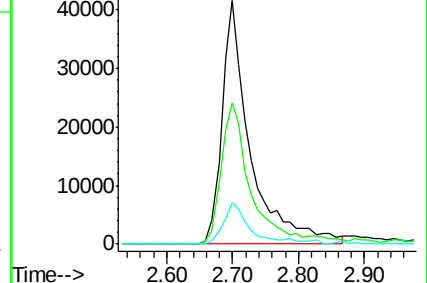
141 17.1 13.2 19.8

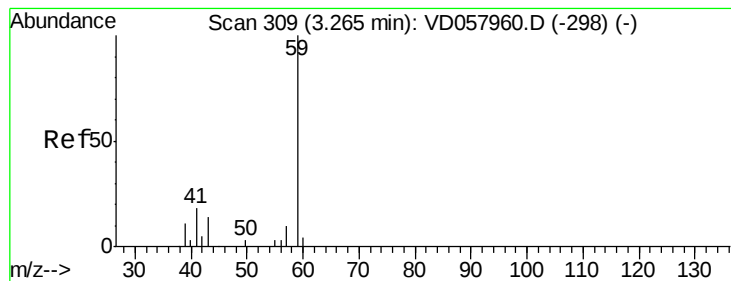


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



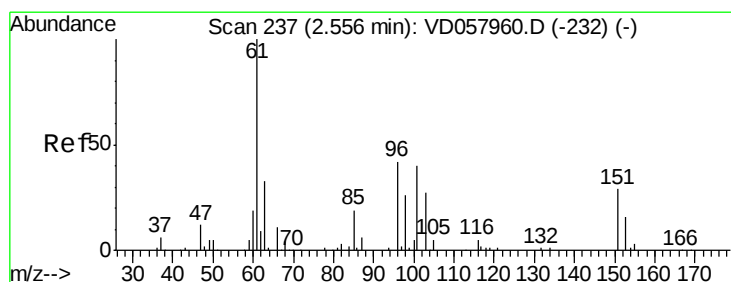
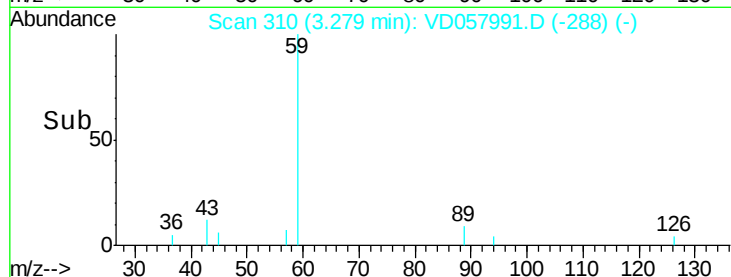
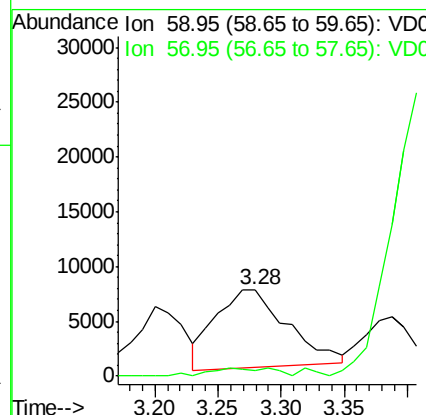
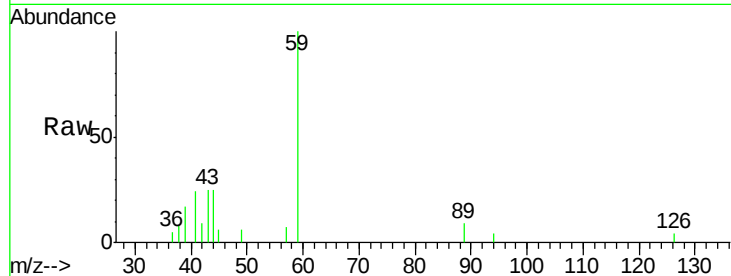


#11

Tert butyl alcohol
Concen: 106.566 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

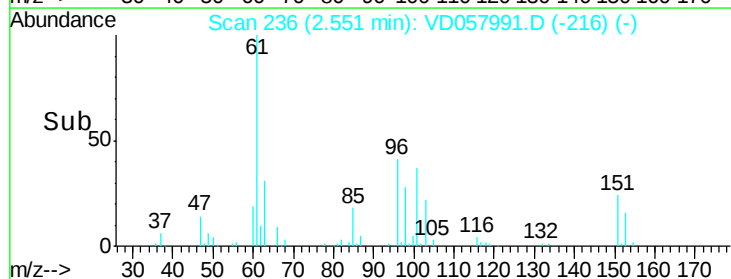
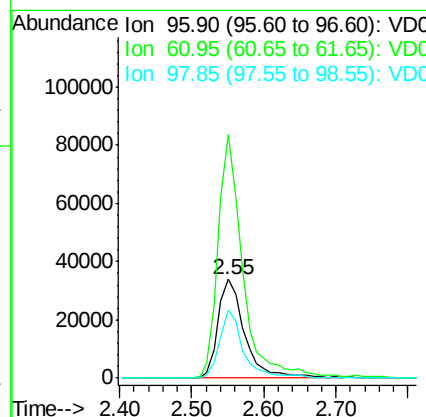
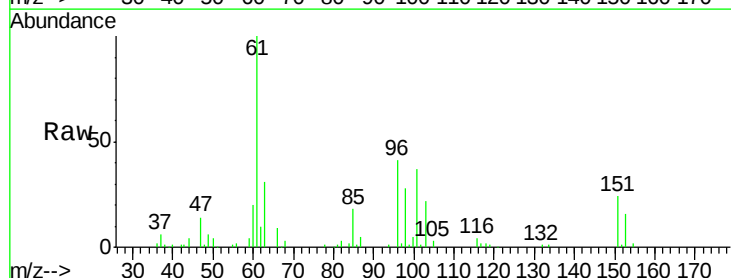
Tgt Ion: 59 Resp: 28244
Ion Ratio Lower Upper
59 100
57 7.2 7.8 11.6#

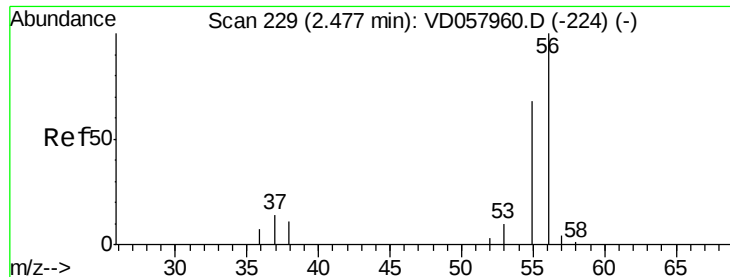


#12

1,1-Dichloroethene
Concen: 21.718 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 96 Resp: 86200
Ion Ratio Lower Upper
96 100
61 246.7 190.2 285.4
98 68.7 49.6 74.4





#13

Acrolein

Concen: 108.747 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

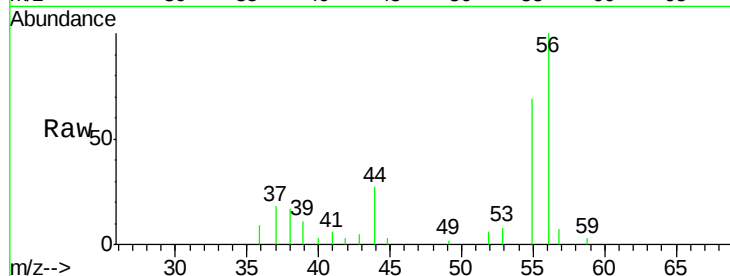
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

Tgt Ion: 56 Resp: 41277

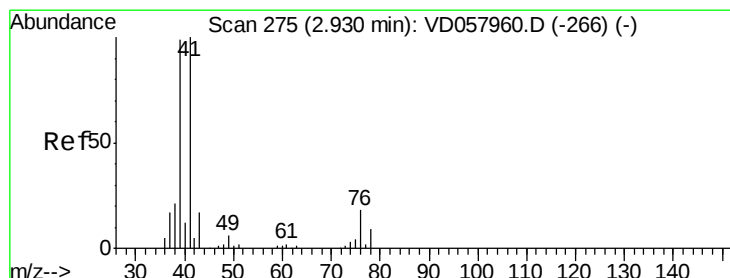
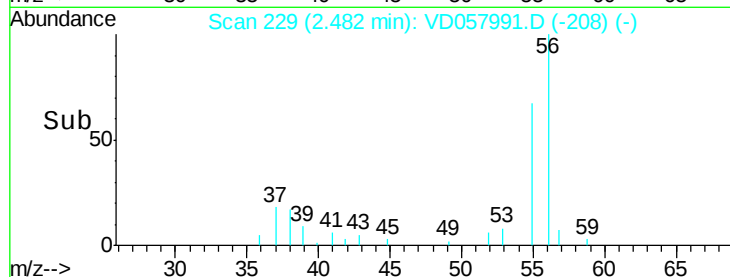
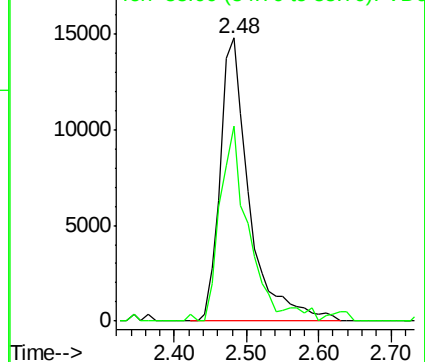
Ion Ratio Lower Upper

56 100

55 68.8 54.0 81.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.429 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

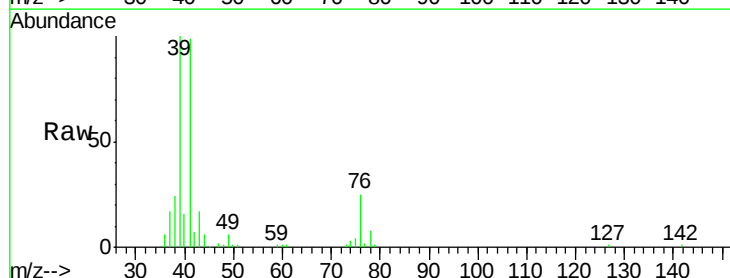
Tgt Ion: 41 Resp: 187045

Ion Ratio Lower Upper

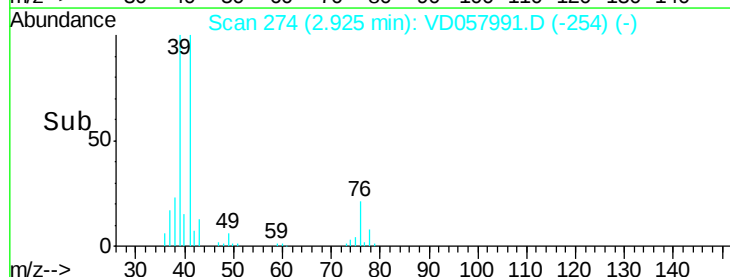
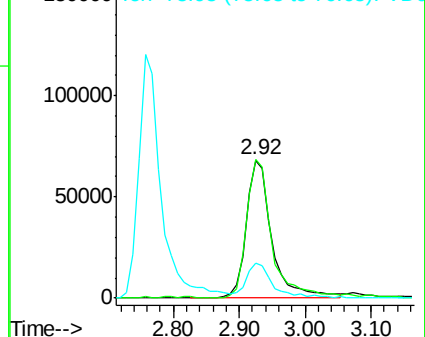
41 100

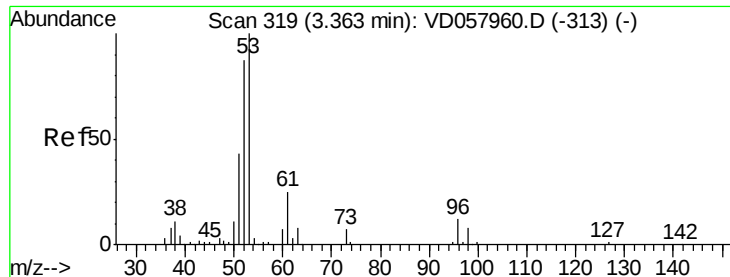
39 101.0 79.5 119.3

76 25.6 20.7 31.1



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 111.209 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

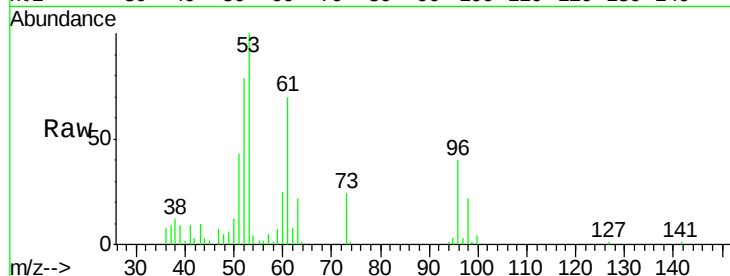
Tgt Ion: 53 Resp: 172431

Ion Ratio Lower Upper

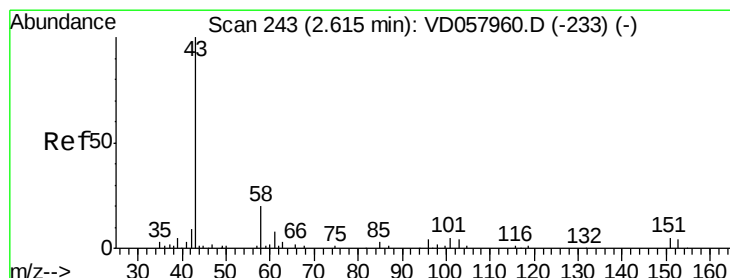
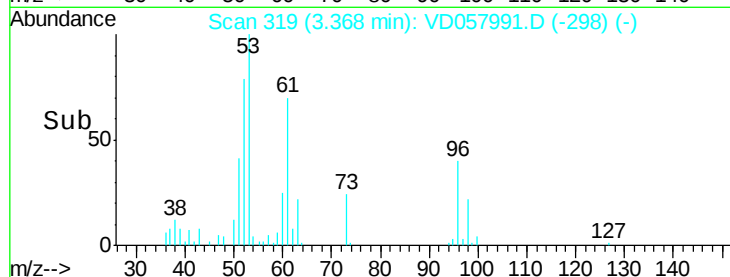
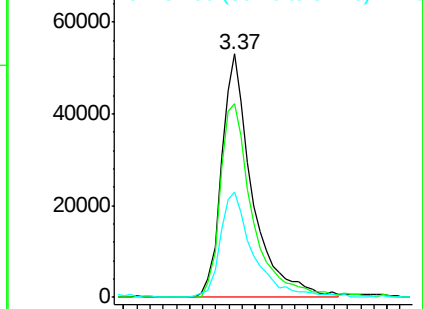
53 100

52 79.4 69.9 104.9

51 43.1 34.3 51.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.464 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD057991.D

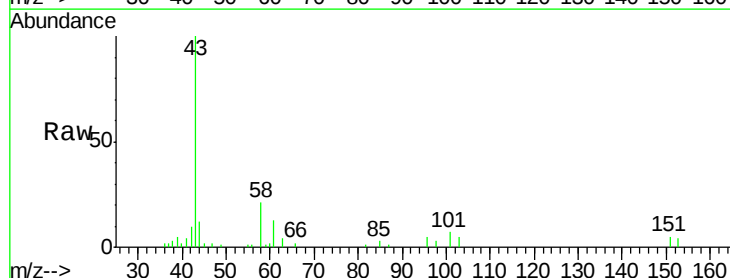
Acq: 8 Jun 2018 2:12

Tgt Ion: 43 Resp: 134650

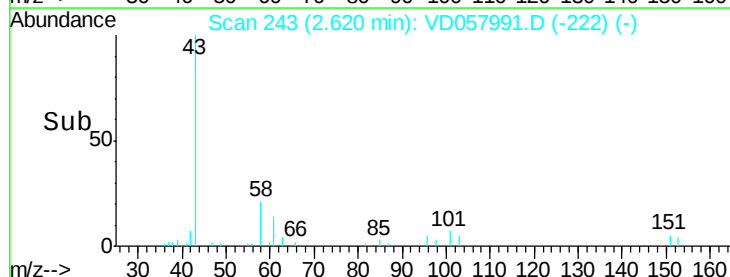
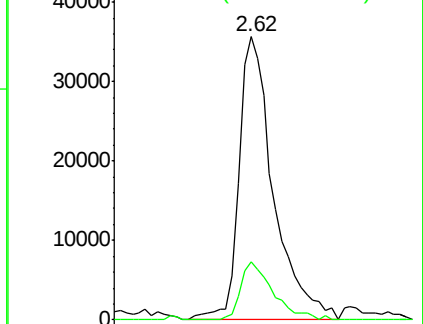
Ion Ratio Lower Upper

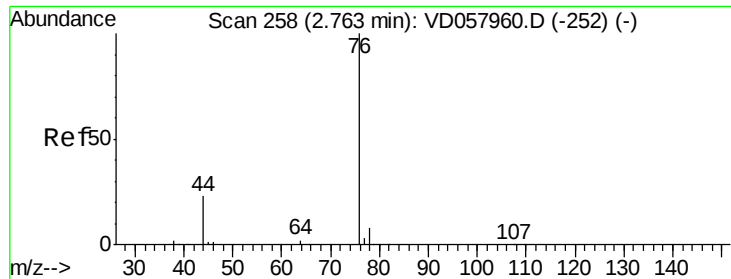
43 100

58 20.5 15.8 23.8



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

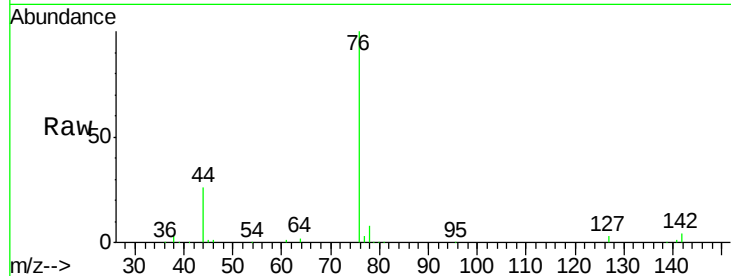




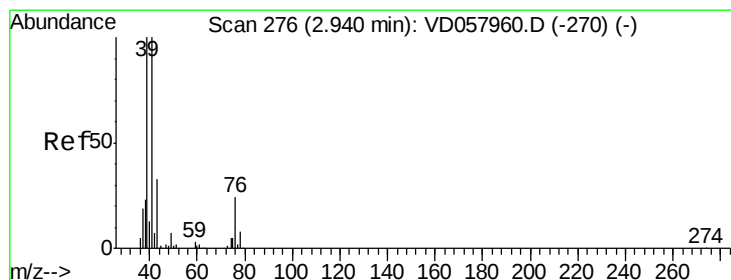
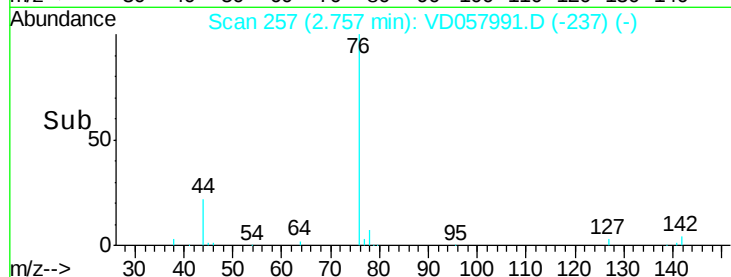
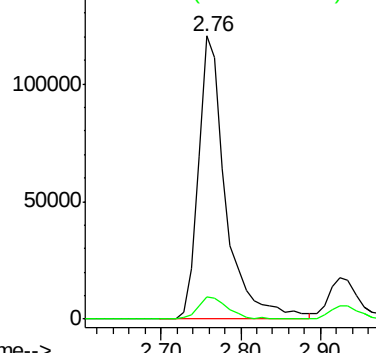
#17
Carbon Disulfide
Concen: 20.081 ug/l
RT: 2.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

Tgt Ion: 76 Resp: 288734
Ion Ratio Lower Upper
76 100
78 7.8 6.7 10.1

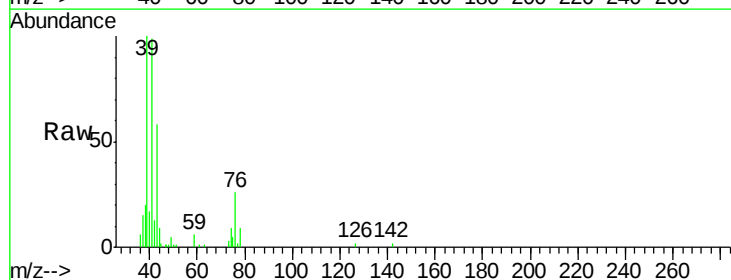


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

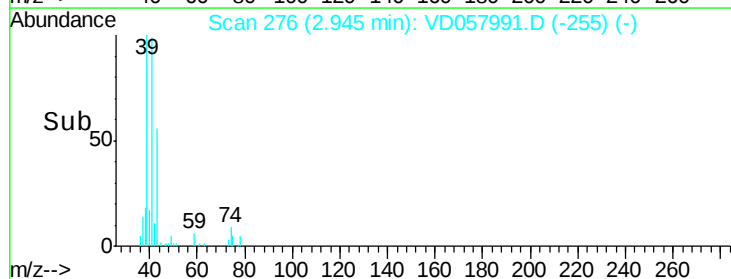
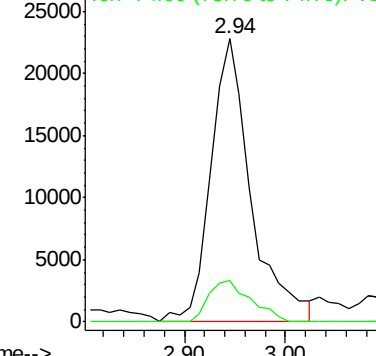


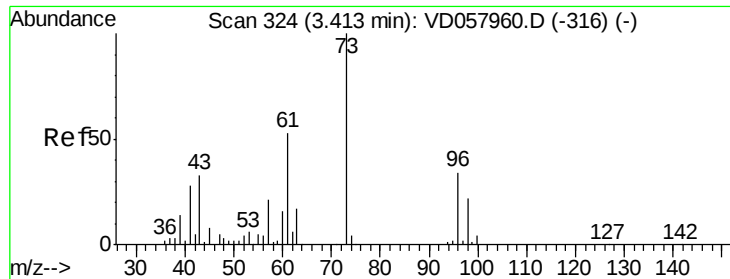
#18
Methyl Acetate
Concen: 22.966 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 43 Resp: 63328
Ion Ratio Lower Upper
43 100
74 14.7 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

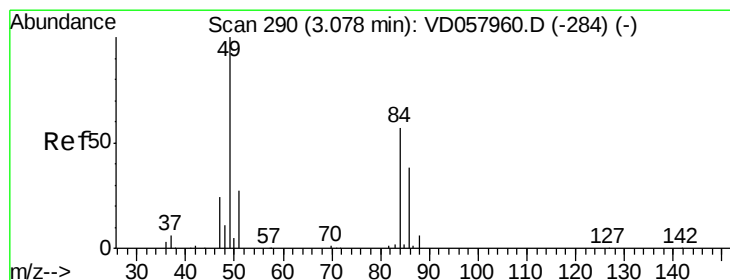
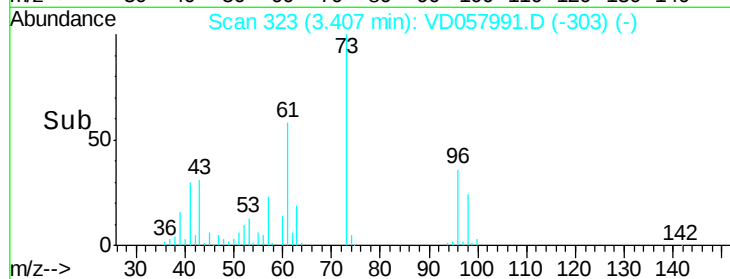
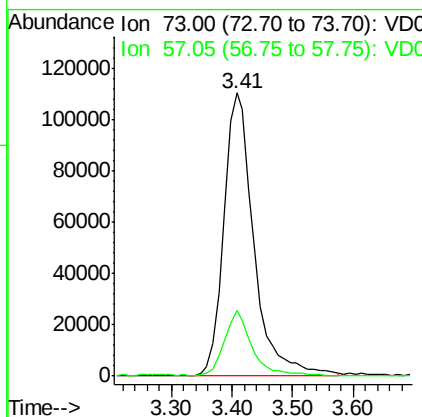
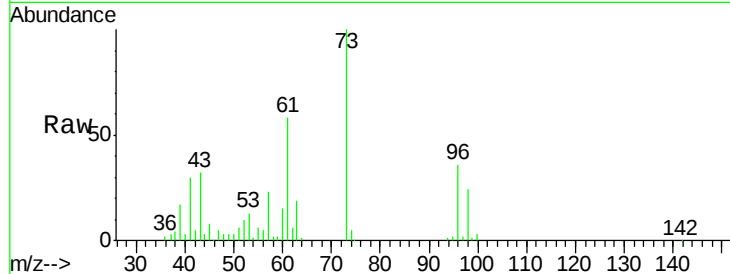




#19
Methyl tert-butyl Ether
Concen: 21.799 ug/l
RT: 3.41 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

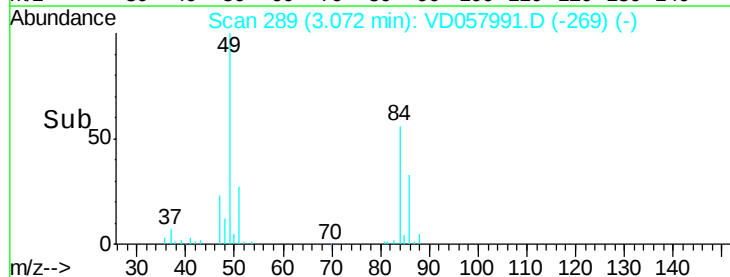
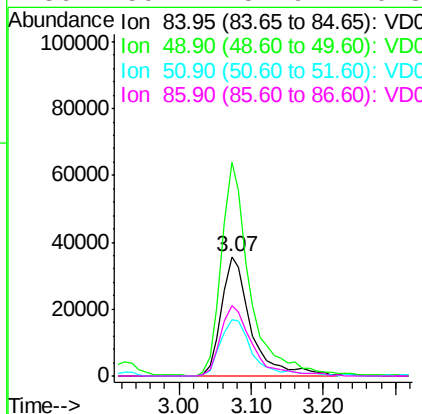
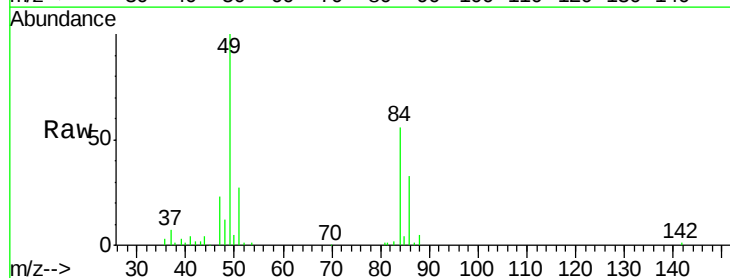
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

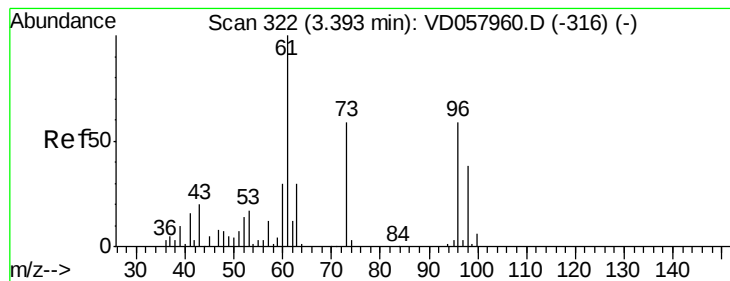
Tgt Ion: 73 Resp: 380706
Ion Ratio Lower Upper
73 100
57 23.4 16.7 25.1



#20
Methylene Chloride
Concen: 24.912 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 84 Resp: 101038
Ion Ratio Lower Upper
84 100
49 178.7 141.4 212.0
51 47.4 38.3 57.5
86 59.4 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 20.260 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

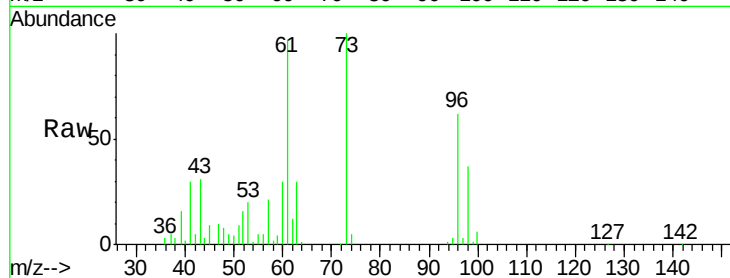
Tgt Ion: 96 Resp: 179103

Ion Ratio Lower Upper

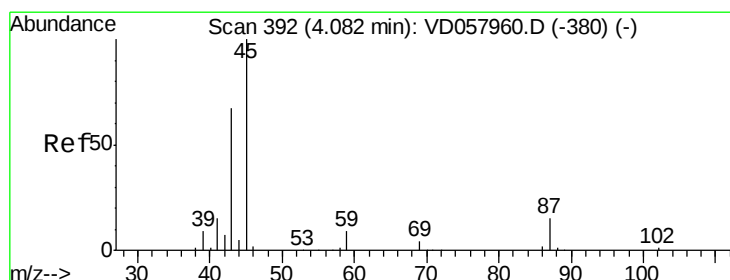
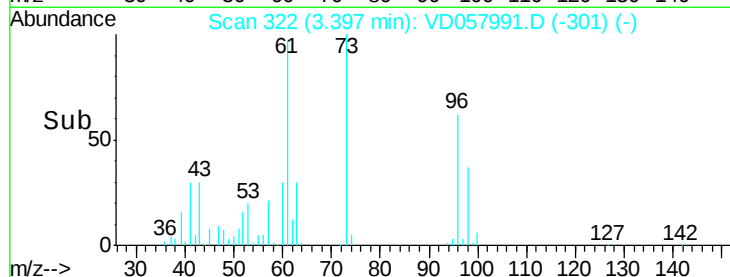
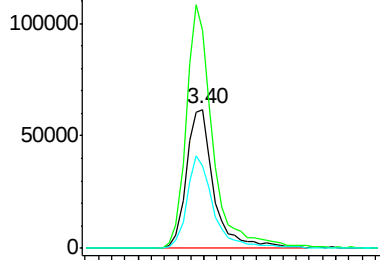
96 100

61 157.2 135.2 202.8

98 59.1 51.7 77.5



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



#22

Diisopropyl ether

Concen: 21.109 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Tgt Ion: 45 Resp: 765662

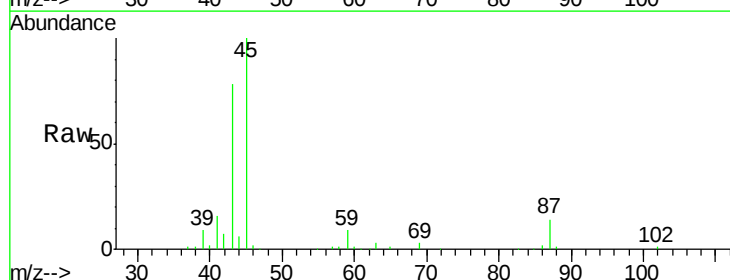
Ion Ratio Lower Upper

45 100

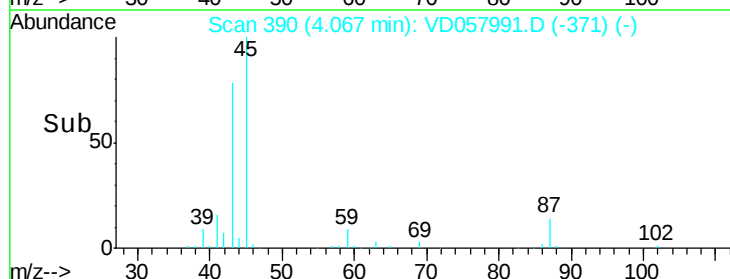
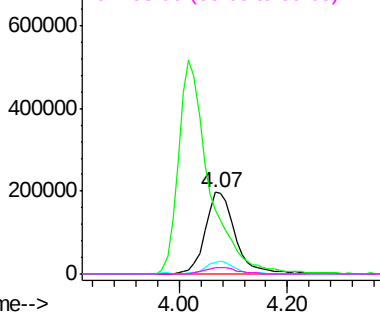
43 78.4 53.8 80.8

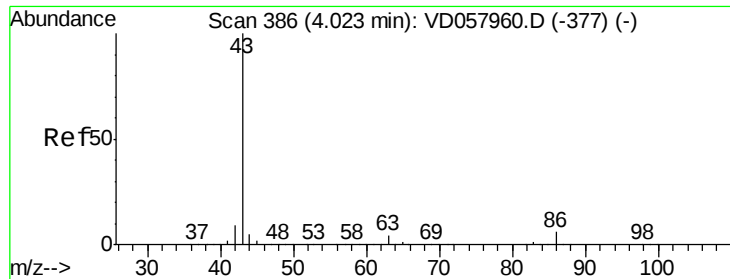
87 13.6 12.5 18.7

59 8.6 7.3 10.9



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





#23

Vinyl Acetate

Concen: 107.527 ug/l

RT: 4.02 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

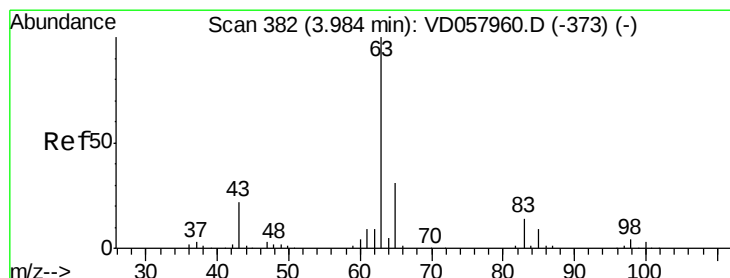
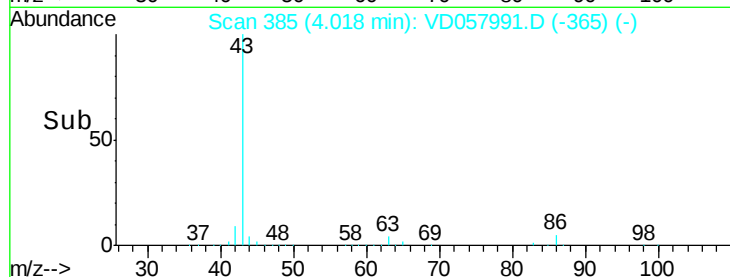
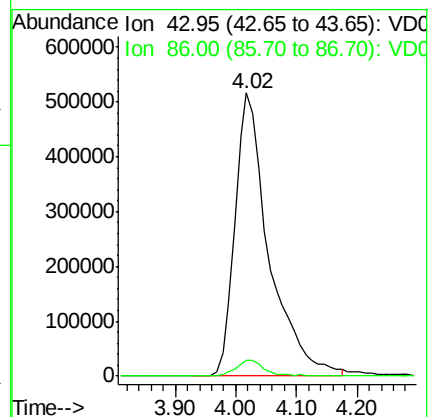
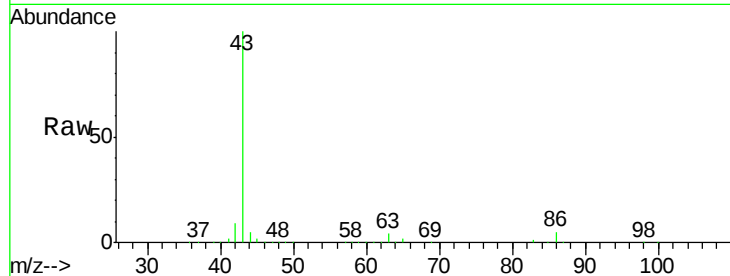
VD0607SBS02

Tgt Ion: 43 Resp: 2015173

Ion Ratio Lower Upper

43 100

86 5.4 4.7 7.1



#24

1,1-Dichloroethane

Concen: 20.539 ug/l

RT: 3.98 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

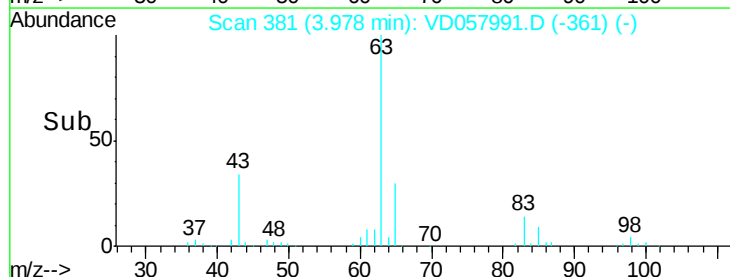
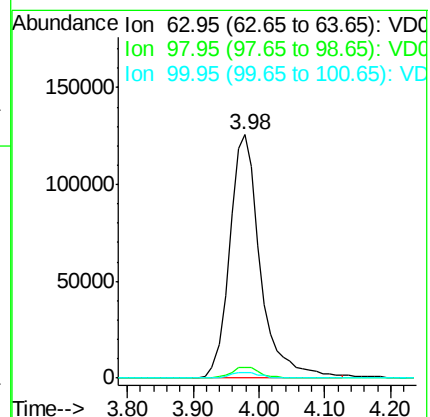
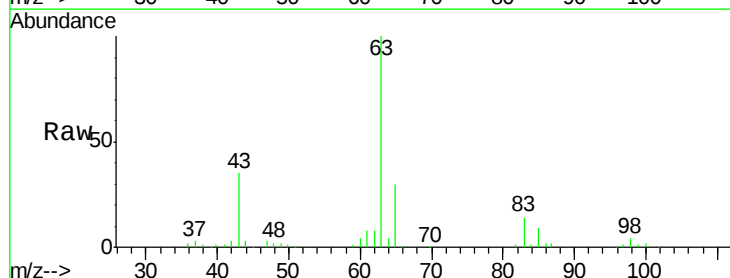
Tgt Ion: 63 Resp: 409449

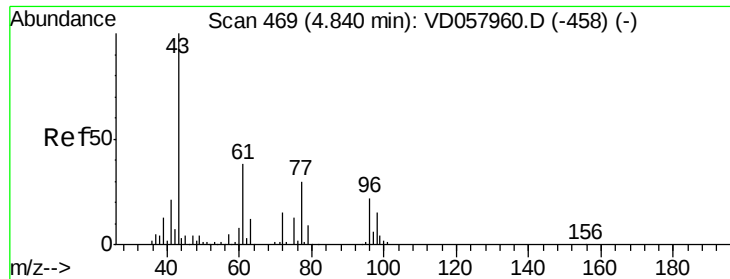
Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 2.3 1.4 4.2





#25

2-Butanone

Concen: 105.302 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

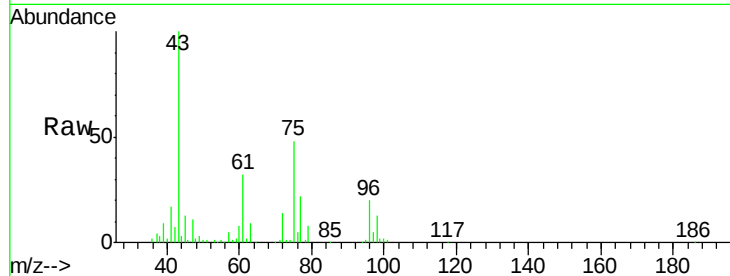
VD0607SBS02

Tgt Ion: 43 Resp: 341117

Ion Ratio Lower Upper

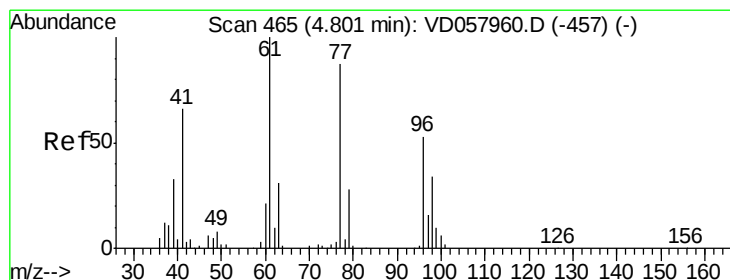
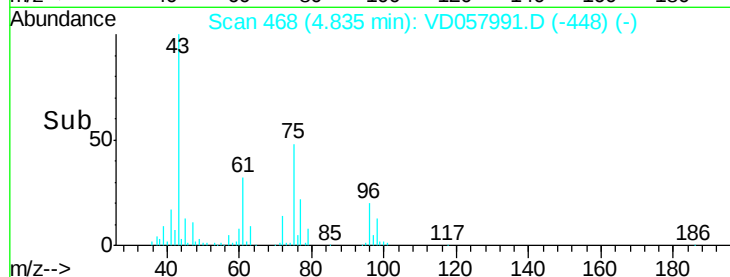
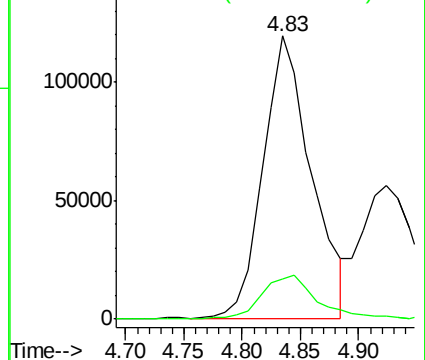
43 100

72 14.0 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.472 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD057991.D

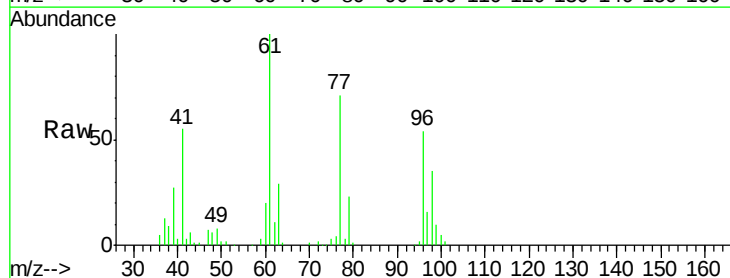
Acq: 8 Jun 2018 2:12

Tgt Ion: 77 Resp: 303343

Ion Ratio Lower Upper

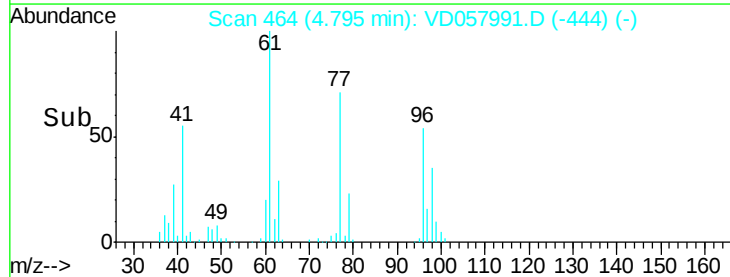
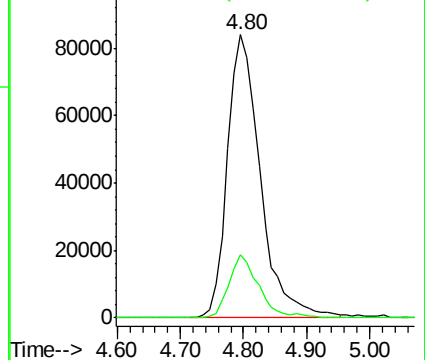
77 100

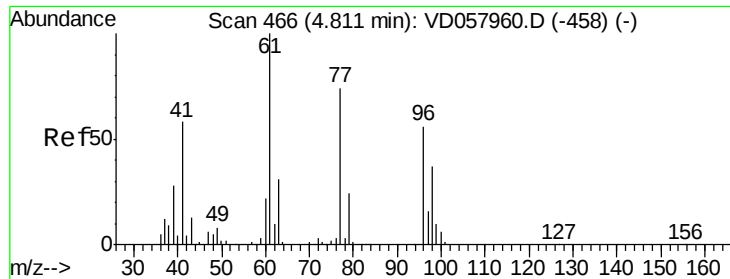
97 22.4 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



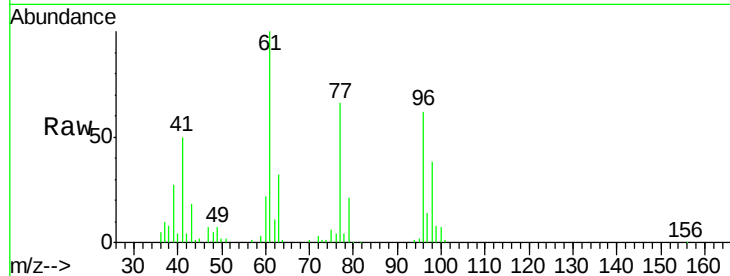


#27

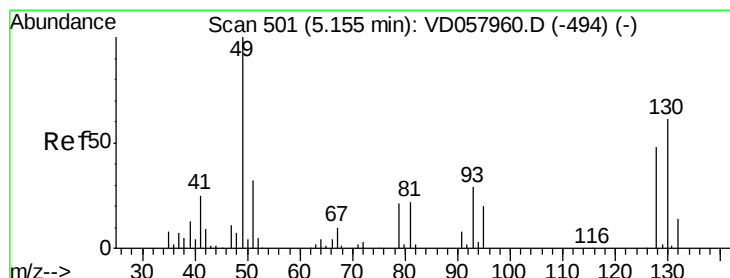
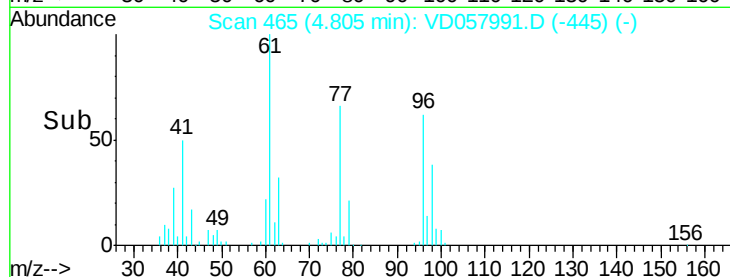
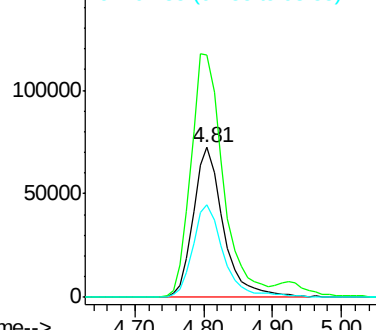
cis-1,2-Dichloroethene
Concen: 20.998 ug/l
RT: 4.81 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion: 96 Resp: 220159
Ion Ratio Lower Upper
96 100
61 162.1 0.0 355.0
98 61.7 0.0 129.6



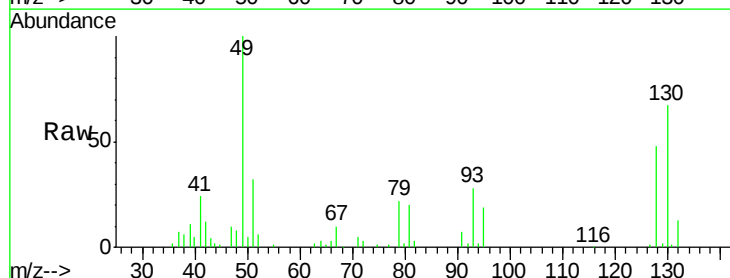
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



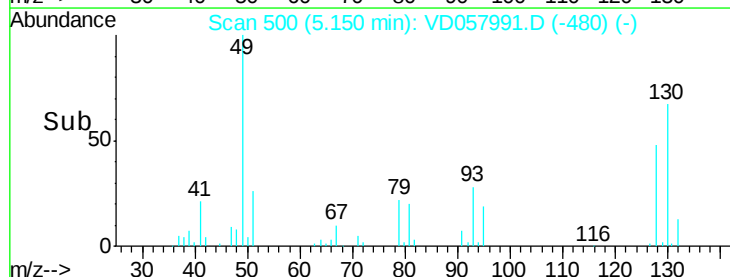
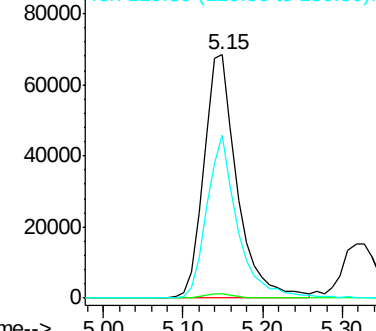
#28

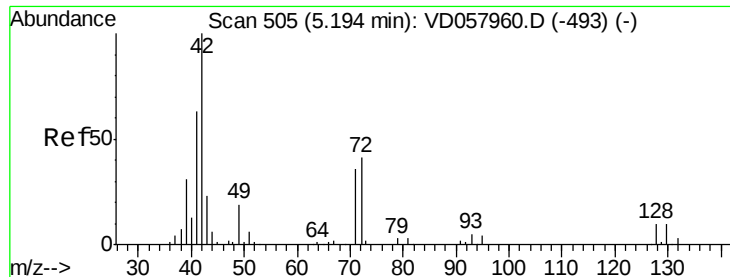
Bromochloromethane
Concen: 22.965 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 49 Resp: 198143
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.6
130 66.9 48.8 73.2



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: 113.891 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

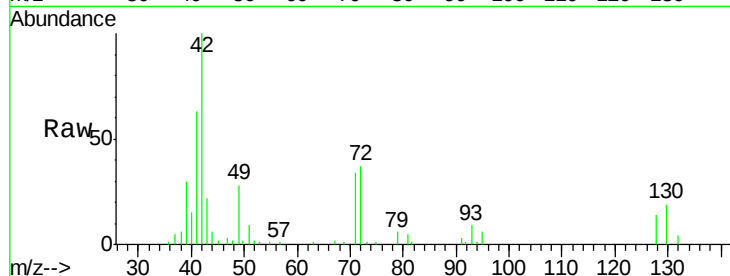
Tgt Ion: 42 Resp: 193401

Ion Ratio Lower Upper

42 100

72 35.3 28.5 42.7

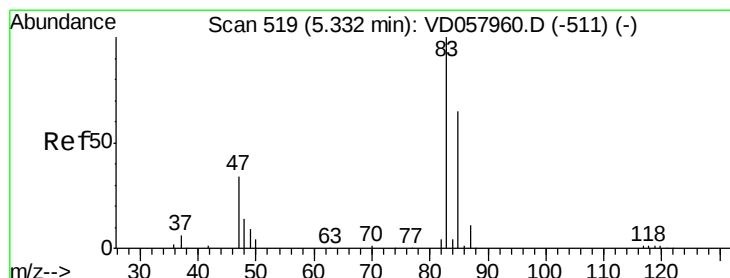
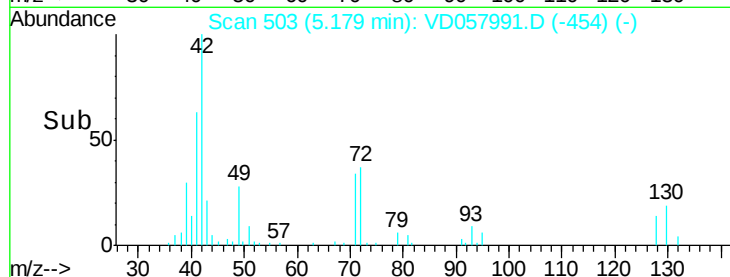
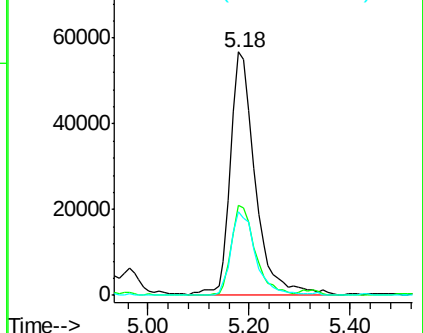
71 33.6 27.9 41.9



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: 20.854 ug/l

RT: 5.32 min Scan# 517

Delta R.T. -0.02 min

Lab File: VD057991.D

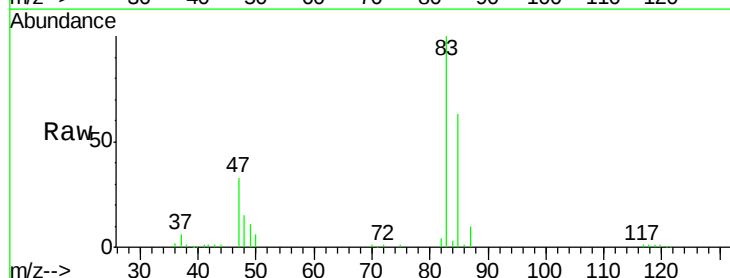
Acq: 8 Jun 2018 2:12

Tgt Ion: 83 Resp: 418393

Ion Ratio Lower Upper

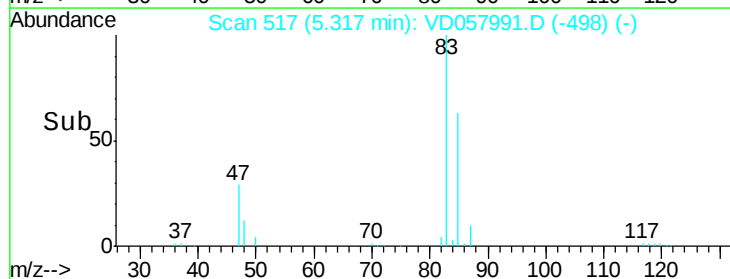
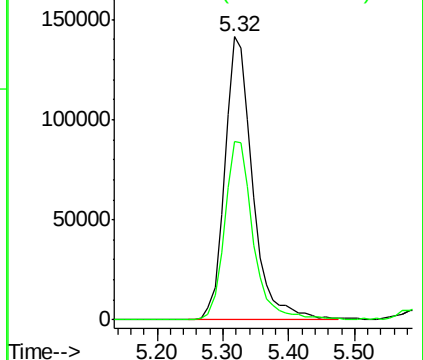
83 100

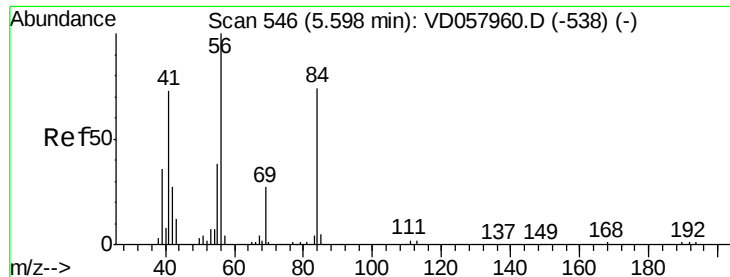
85 62.8 51.6 77.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

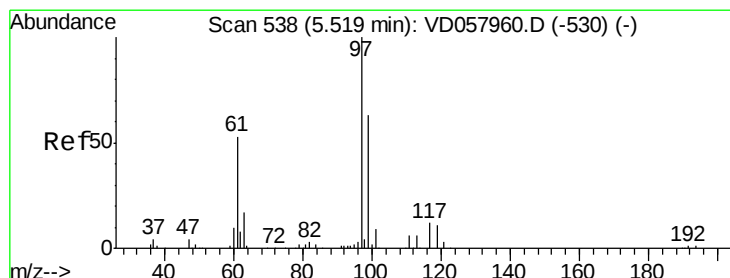
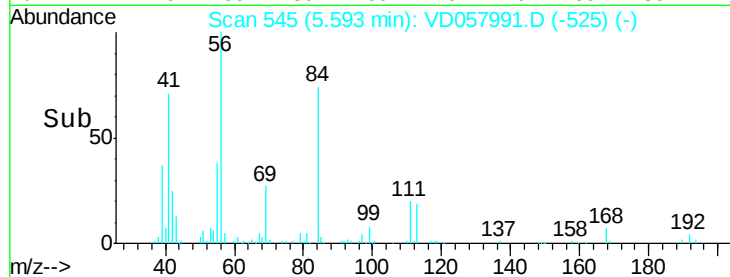
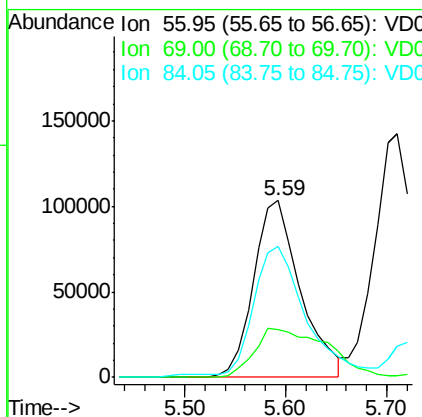
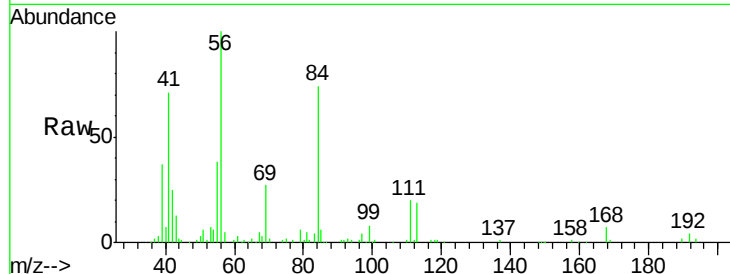




#31
Cyclohexane
Concen: 19.376 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

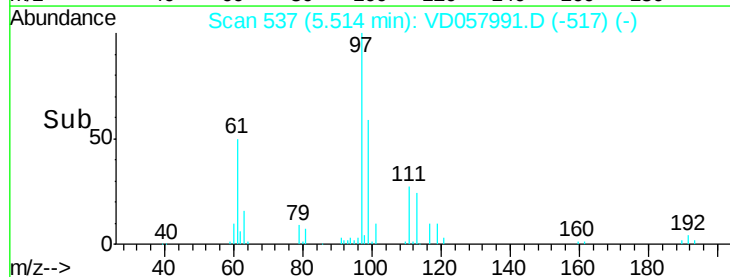
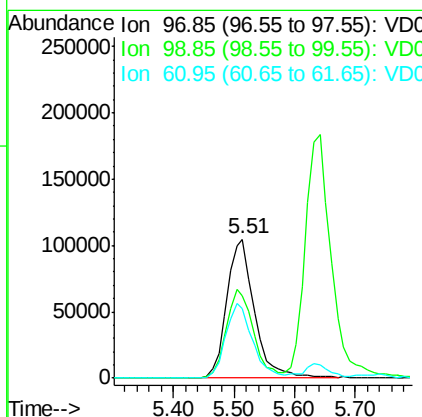
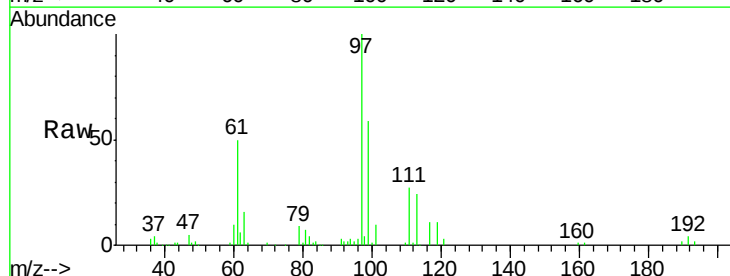
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

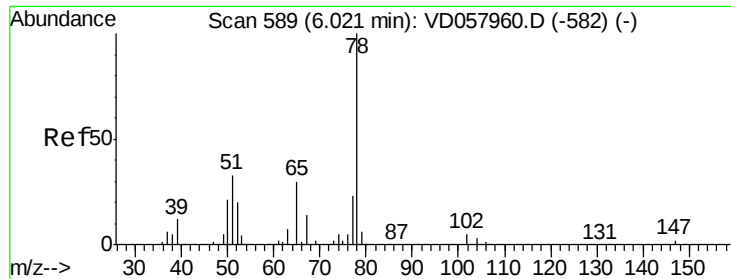
Tgt Ion: 56 Resp: 333335
Ion Ratio Lower Upper
56 100
69 27.3 21.5 32.3
84 74.4 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 19.767 ug/l
RT: 5.51 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 97 Resp: 332054
Ion Ratio Lower Upper
97 100
99 59.5 50.1 75.1
61 50.2 42.2 63.4





#33

1,2-Dichloroethane-d4

Concen: 19.767 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

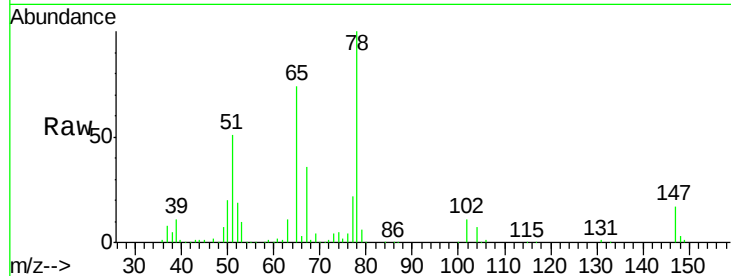
VD0607SBSD02

Tgt Ion: 65 Resp: 498445

Ion Ratio Lower Upper

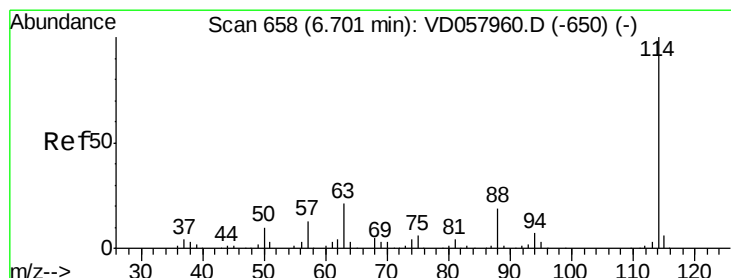
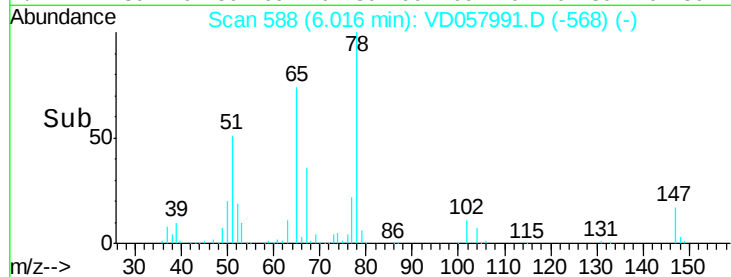
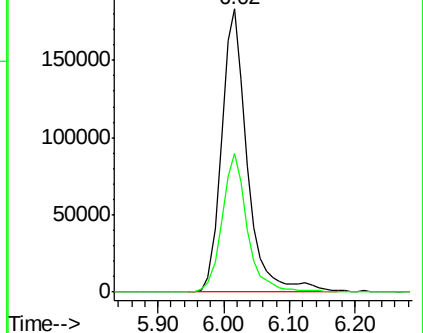
65 100

67 49.0 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

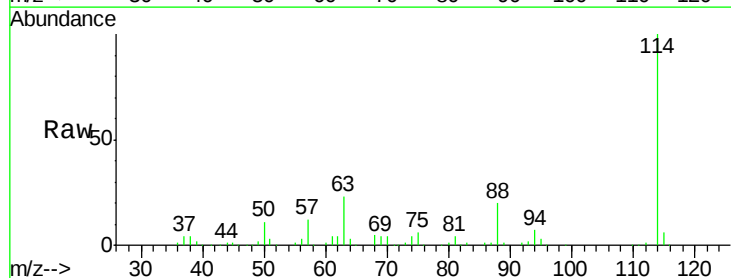
Tgt Ion: 114 Resp: 1297925

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.8

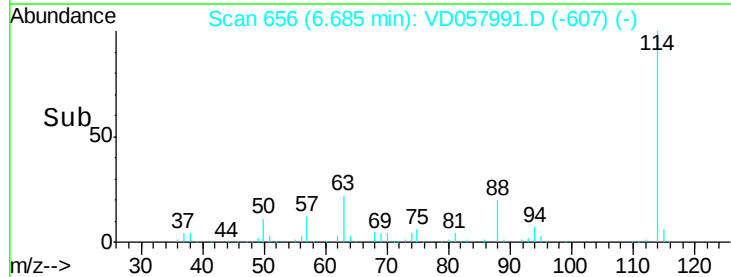
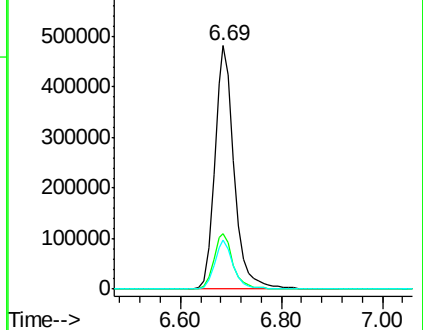
88 20.3 0.0 37.8

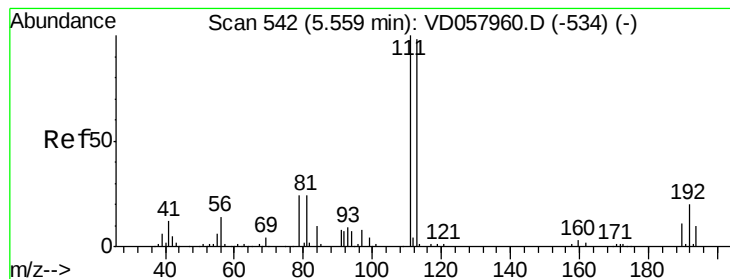


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

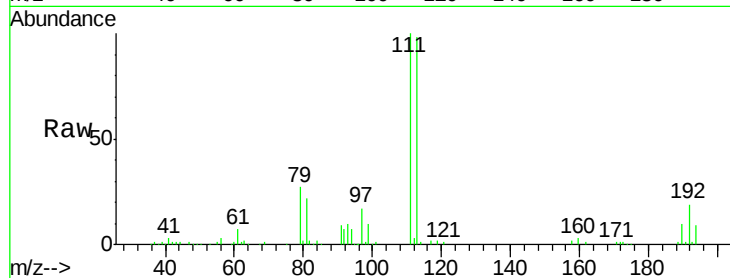
Tgt Ion:113 Resp: 496205

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

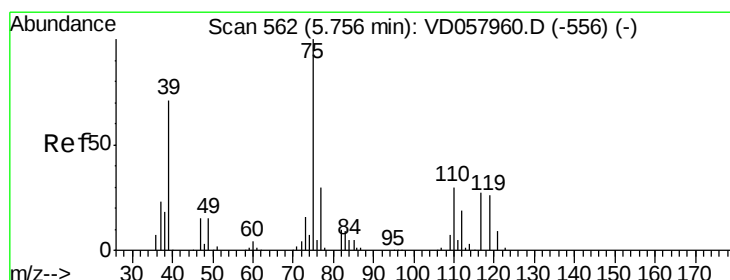
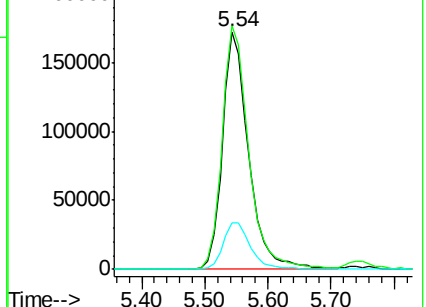
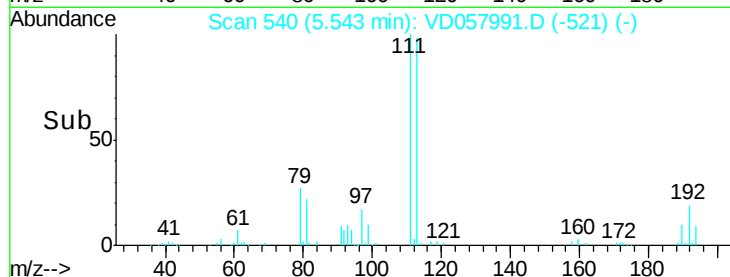
192 19.7 16.4 24.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.488 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

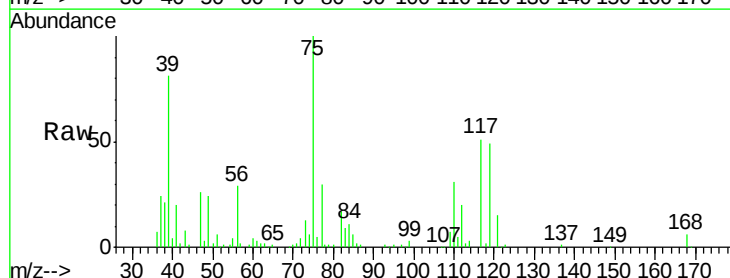
Tgt Ion: 75 Resp: 292975

Ion Ratio Lower Upper

75 100

110 31.4 14.8 44.3

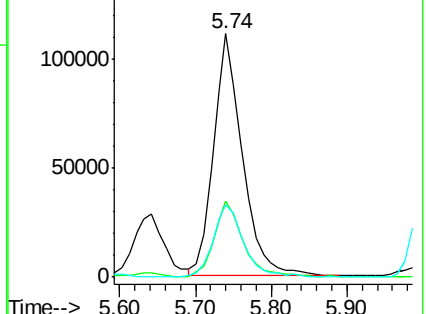
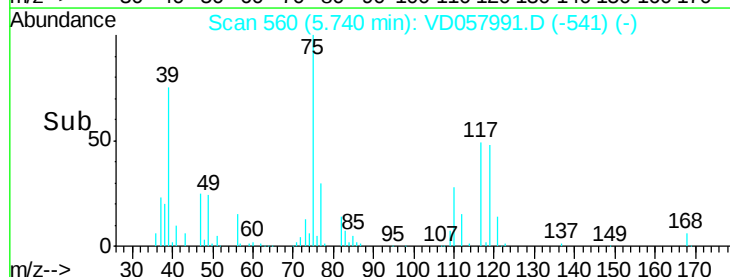
77 29.8 23.9 35.9

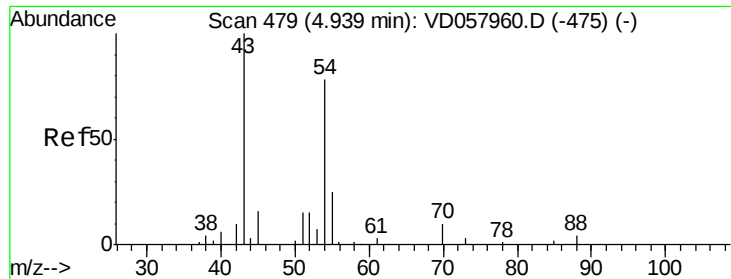


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

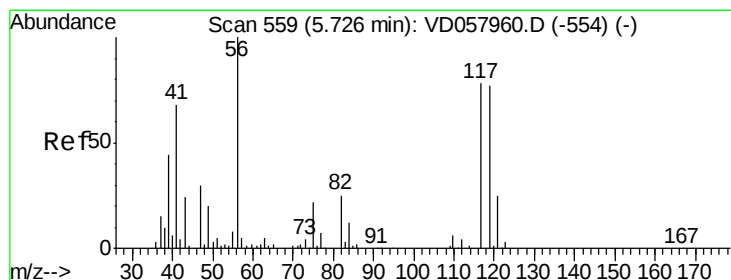
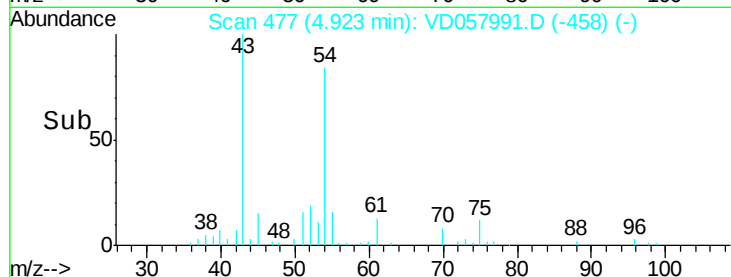
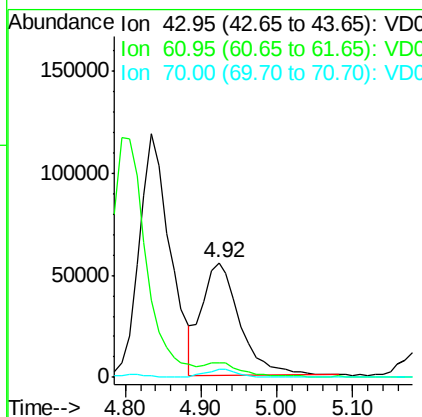
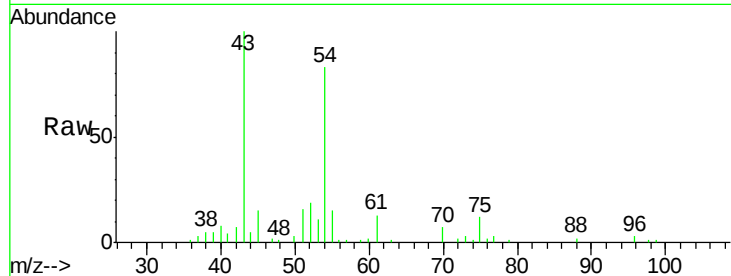




#37
Ethyl Acetate
Concen: 24.853 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

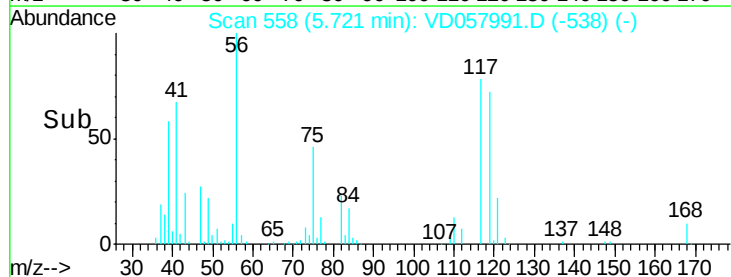
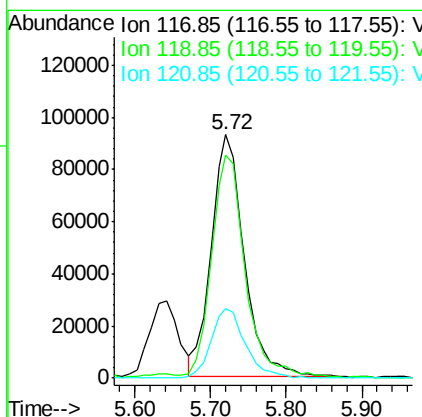
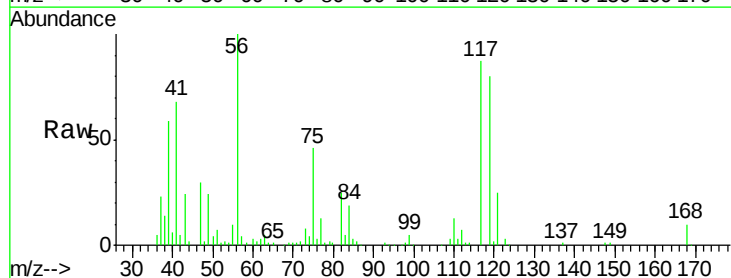
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

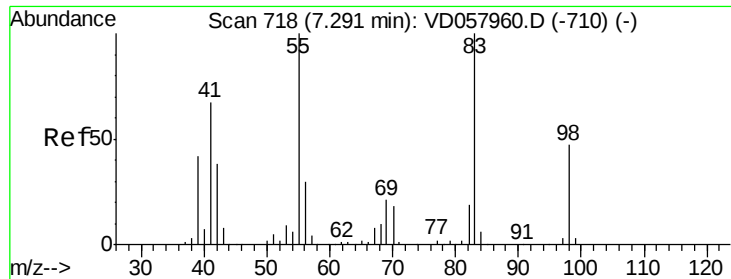
Tgt Ion: 43 Resp: 193922
Ion Ratio Lower Upper
43 100
61 13.2 9.9 14.9
70 7.5 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.917 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 117 Resp: 280687
Ion Ratio Lower Upper
117 100
119 91.9 76.1 114.1
121 28.6 24.9 37.3

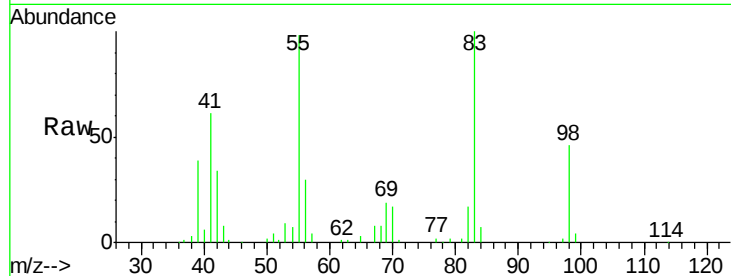




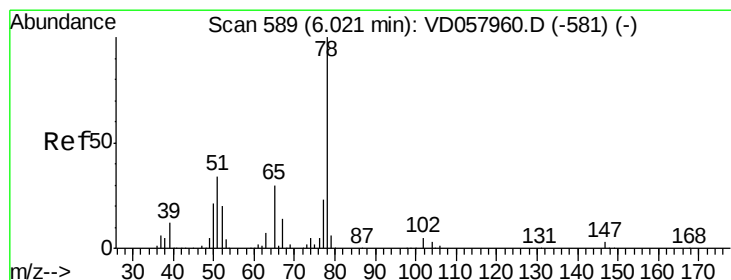
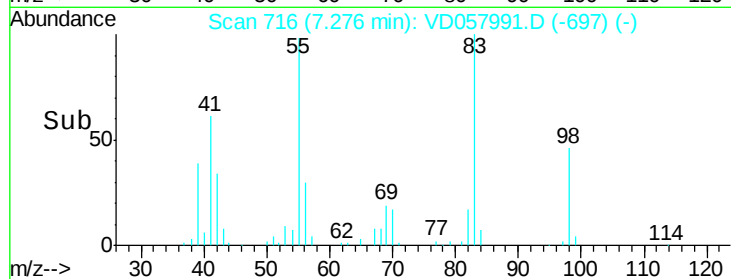
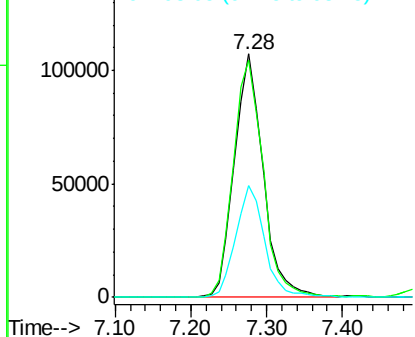
#39
Methylcyclohexane
Concen: 19.949 ug/l
RT: 7.28 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

Tgt Ion: 83 Resp: 282793
Ion Ratio Lower Upper
83 100
55 97.7 80.3 120.5
98 45.7 38.0 57.0

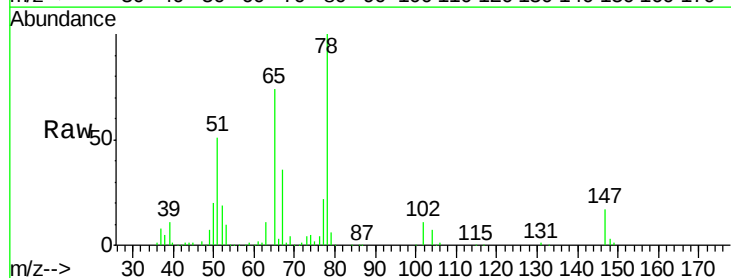


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

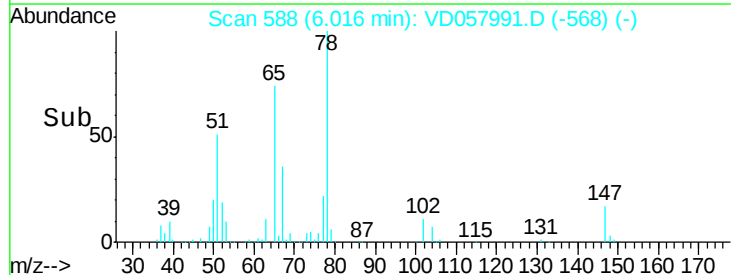
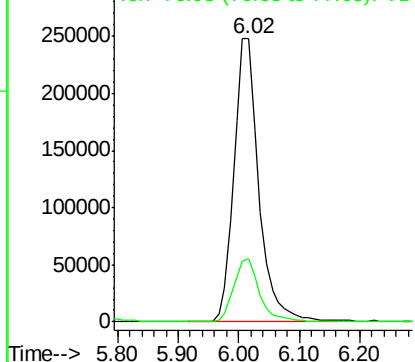


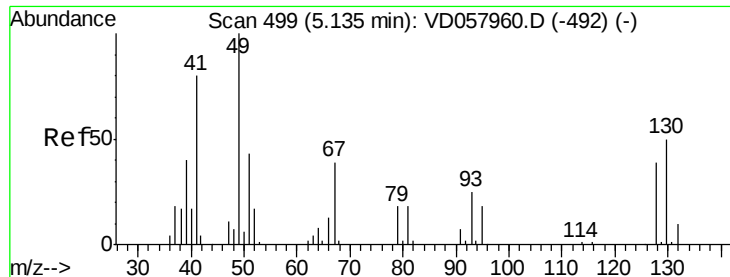
#40
Benzene
Concen: 21.188 ug/l
RT: 6.02 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 78 Resp: 707779
Ion Ratio Lower Upper
78 100
77 22.2 18.1 27.1



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

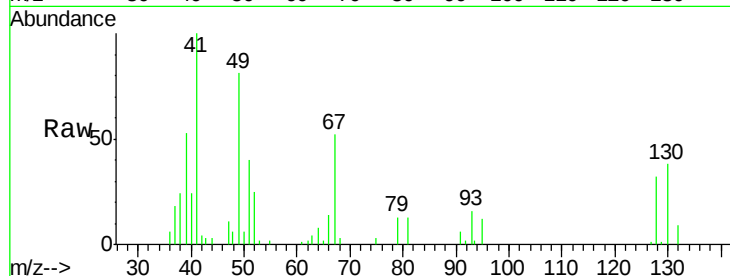




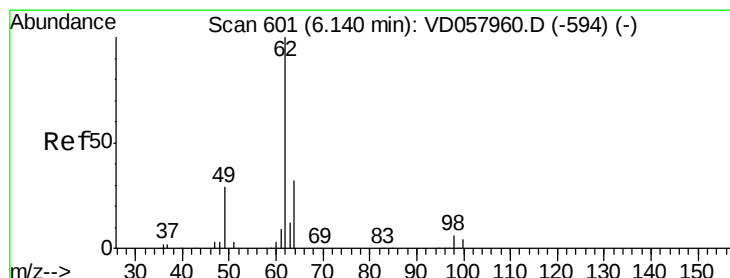
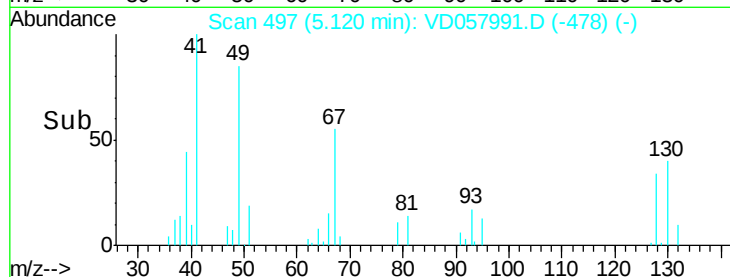
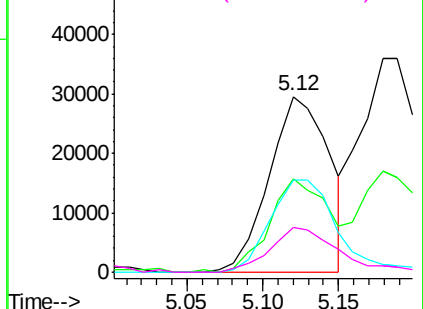
#41
Methacrylonitrile
Concen: 22.929 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion: 41 Resp: 81804
Ion Ratio Lower Upper
41 100
39 53.3 40.7 61.1
67 52.5 38.8 58.2
52 25.4 17.3 25.9

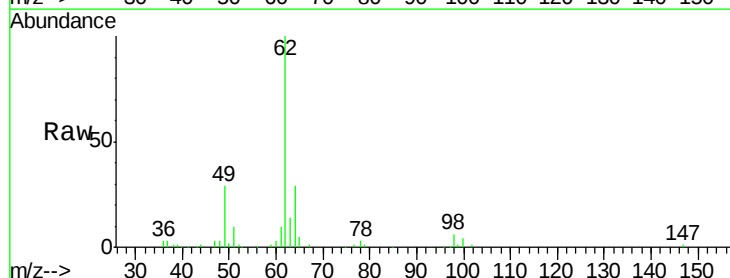


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

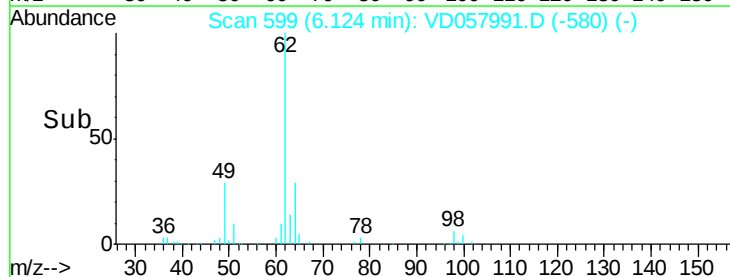
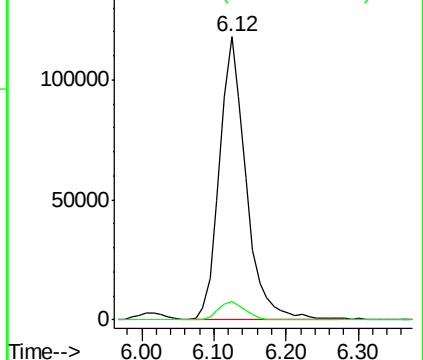


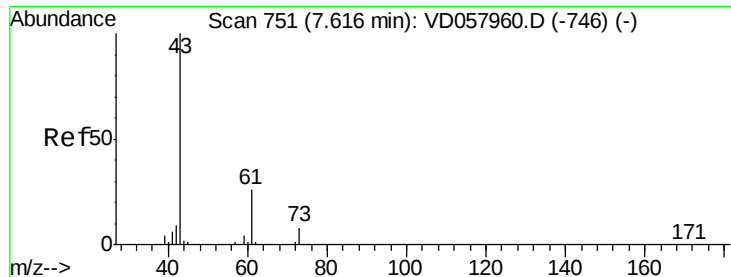
#42
1,2-Dichloroethane
Concen: 22.038 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 62 Resp: 297649
Ion Ratio Lower Upper
62 100
98 6.5 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.221 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBSD02

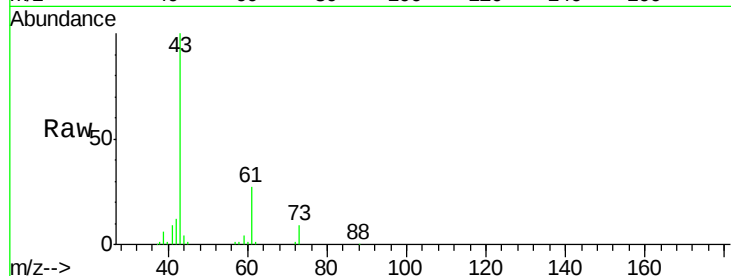
Tgt Ion: 43 Resp: 227105

Ion Ratio Lower Upper

43 100

61 26.8 20.6 30.8

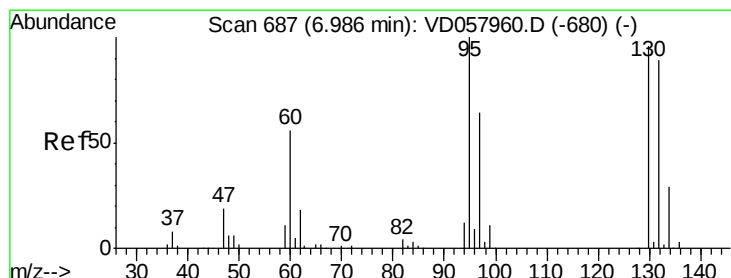
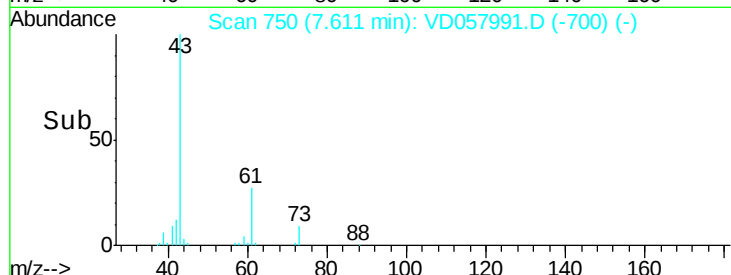
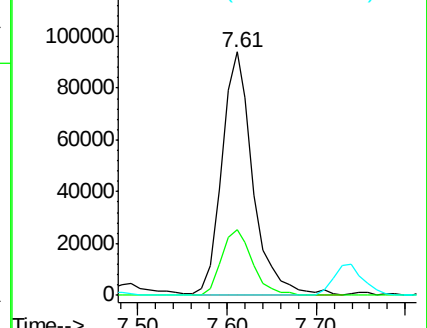
87 0.0 0.2 0.4#



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: 21.366 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD057991.D

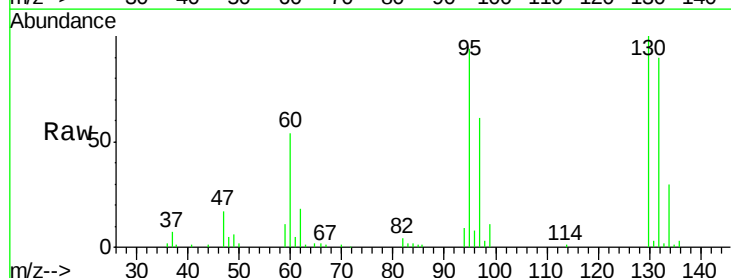
Acq: 8 Jun 2018 2:12

Tgt Ion:130 Resp: 208481

Ion Ratio Lower Upper

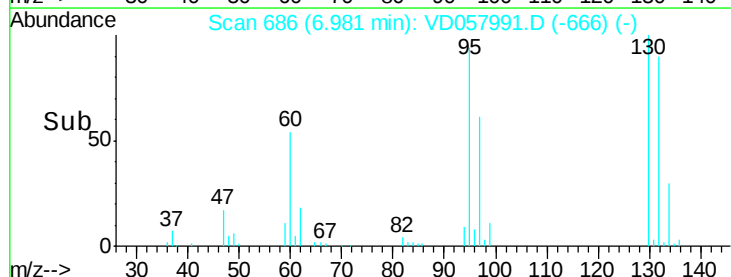
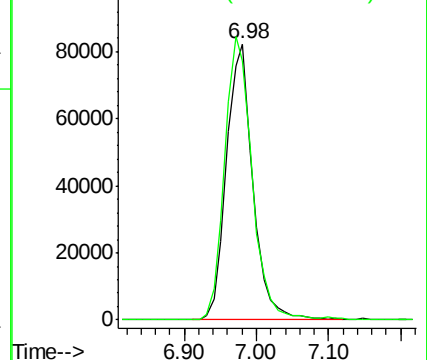
130 100

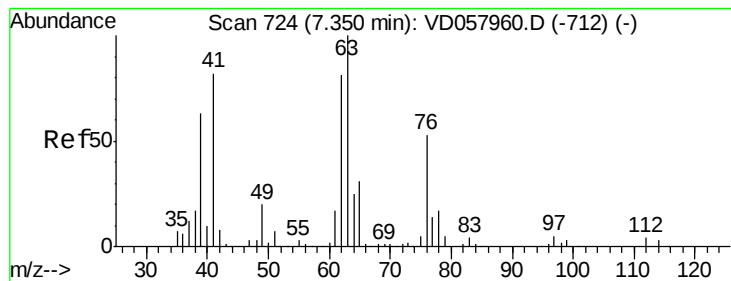
95 94.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.318 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

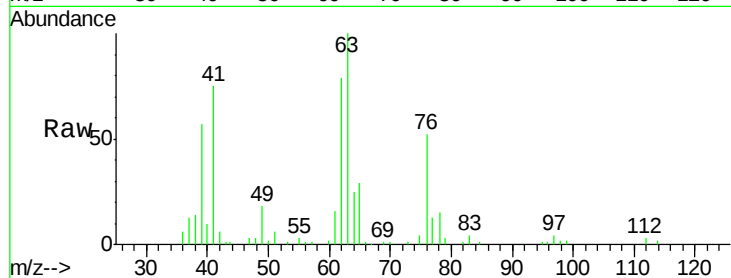
VD0607SBS02

Tgt Ion: 63 Resp: 197926

Ion Ratio Lower Upper

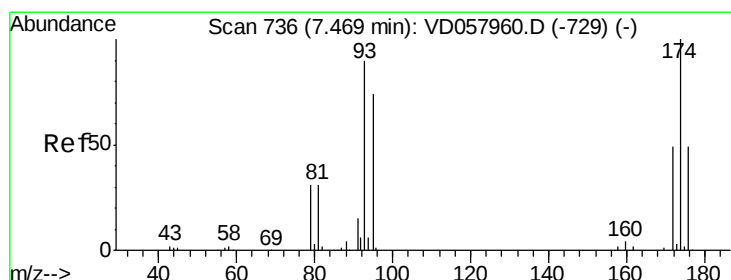
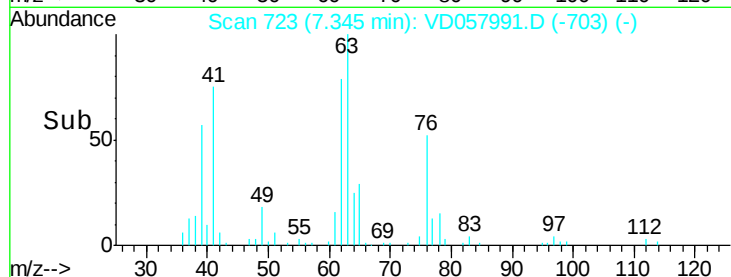
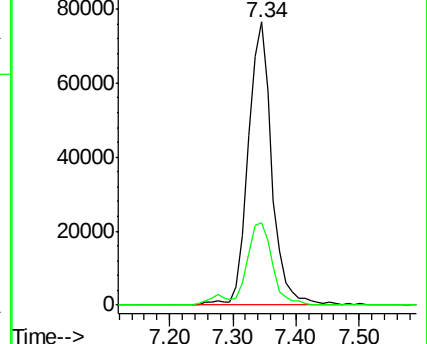
63 100

65 28.9 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.072 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

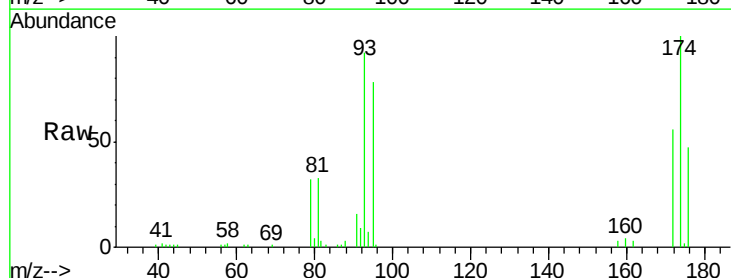
Tgt Ion: 93 Resp: 131642

Ion Ratio Lower Upper

93 100

95 84.9 65.7 98.5

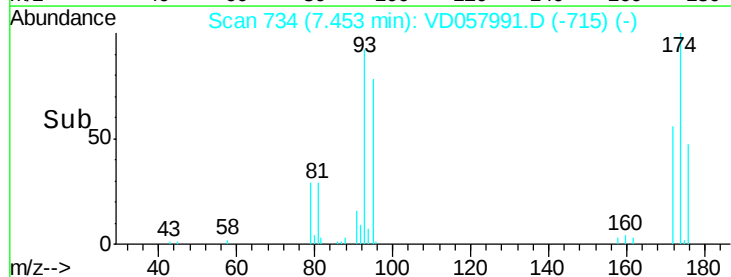
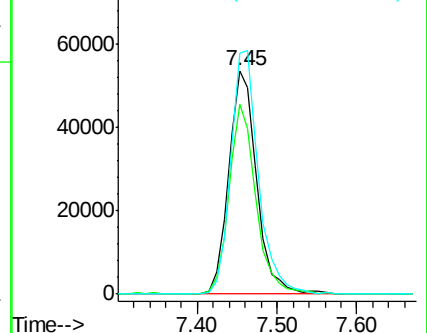
174 108.2 89.0 133.4

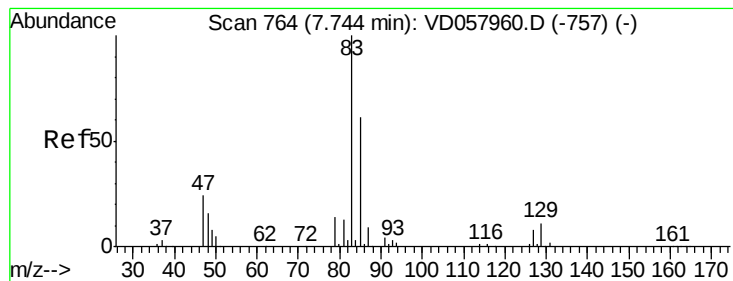


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.442 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

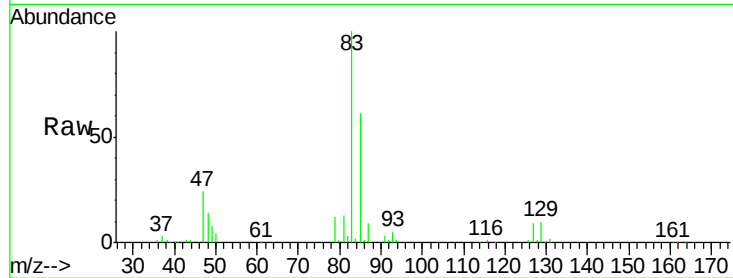
Tgt Ion: 83 Resp: 299427

Ion Ratio Lower Upper

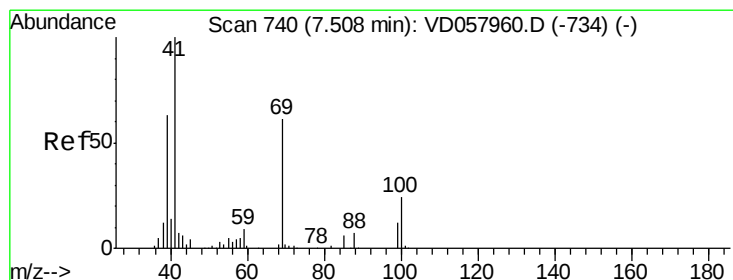
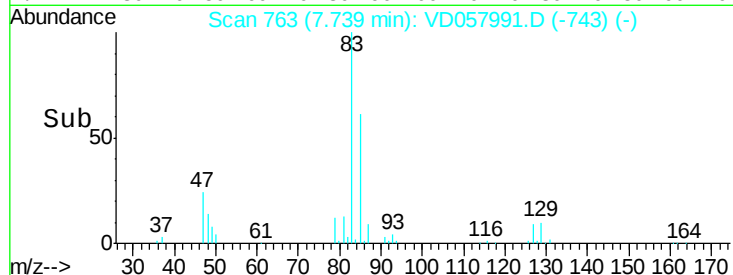
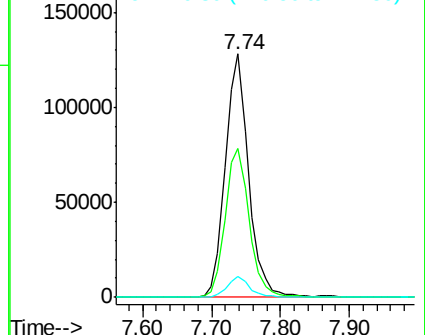
83 100

85 61.1 49.1 73.7

127 8.6 6.2 9.2



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



#48

Methyl methacrylate

Concen: 21.912 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

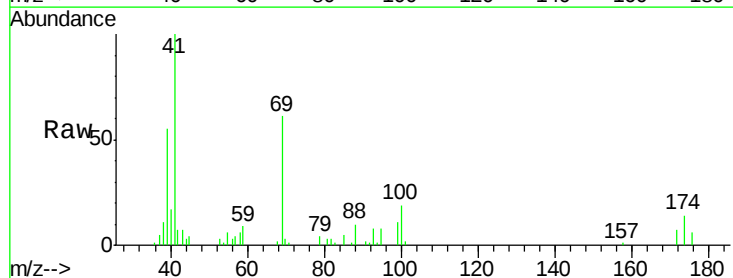
Tgt Ion: 41 Resp: 137836

Ion Ratio Lower Upper

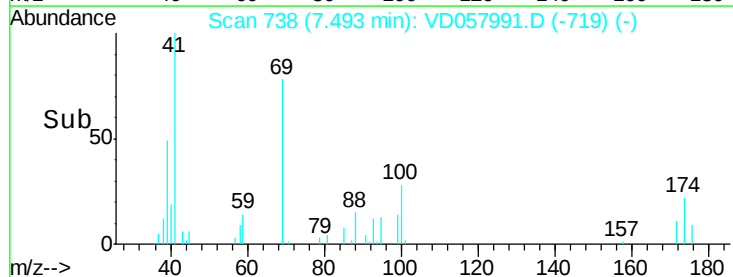
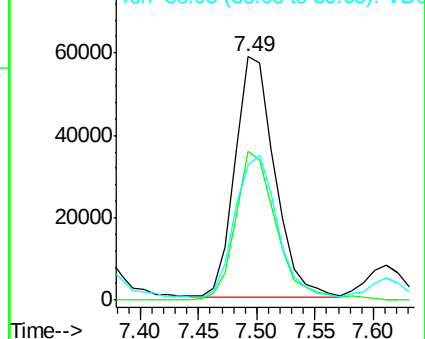
41 100

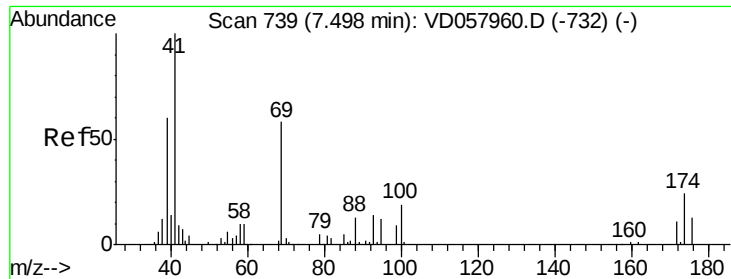
69 61.0 48.0 72.0

39 55.3 50.7 76.1



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





#49

1,4-Dioxane

Concen: 461.108 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

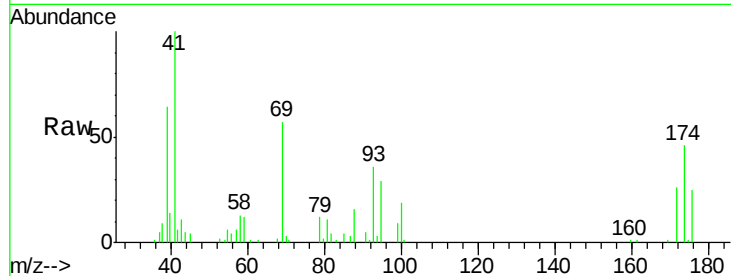
Tgt Ion: 88 Resp: 24029

Ion Ratio Lower Upper

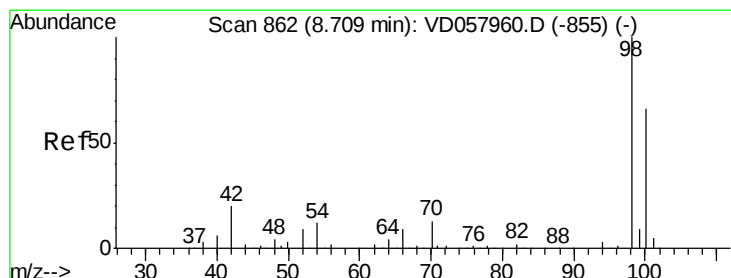
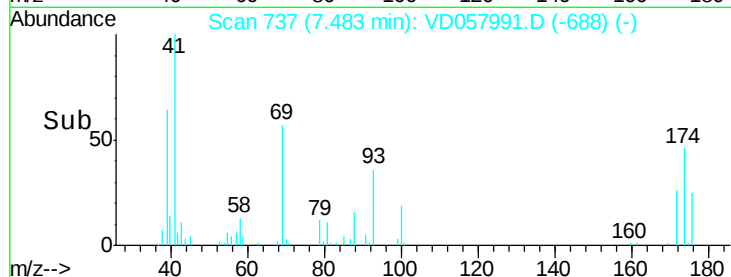
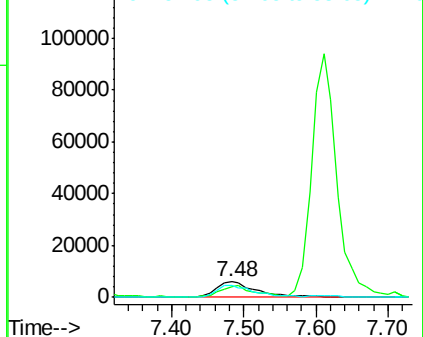
88 100

43 67.9 46.6 69.8

58 79.7 63.6 95.4



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: 461.108 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD057991.D

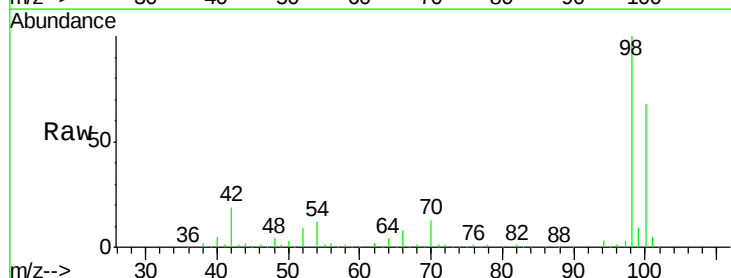
Acq: 8 Jun 2018 2:12

Tgt Ion: 98 Resp: 1151193

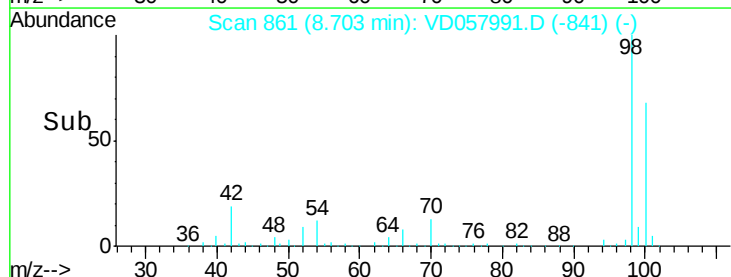
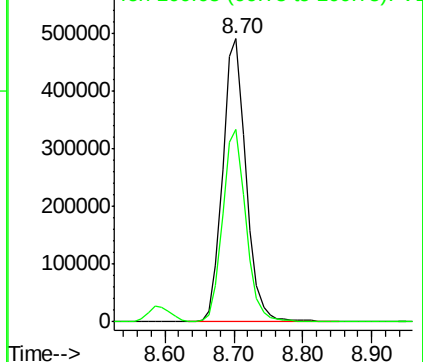
Ion Ratio Lower Upper

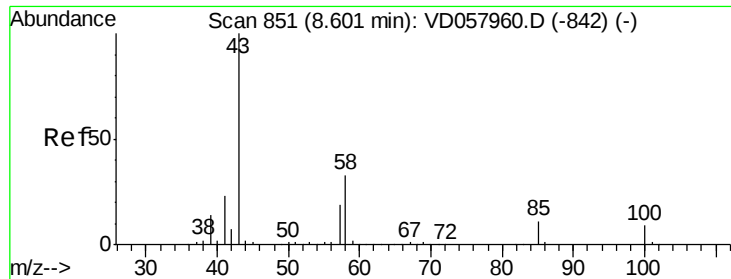
98 100

100 68.0 53.4 80.0



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: 118.302 ug/l

RT: 8.59 min Scan# 849

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

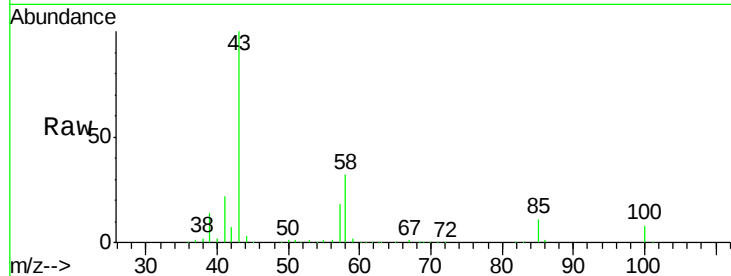
VD0607SBS02

Tgt Ion: 43 Resp: 775509

Ion Ratio Lower Upper

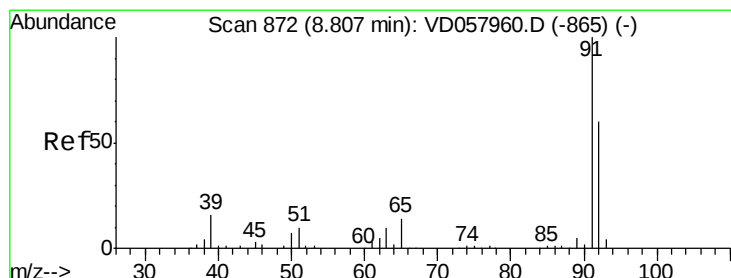
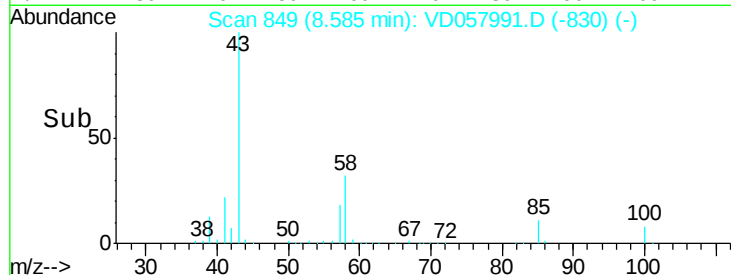
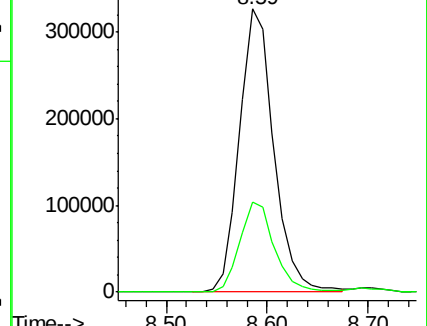
43 100

58 31.8 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.782 ug/l

RT: 8.79 min Scan# 870

Delta R.T. -0.02 min

Lab File: VD057991.D

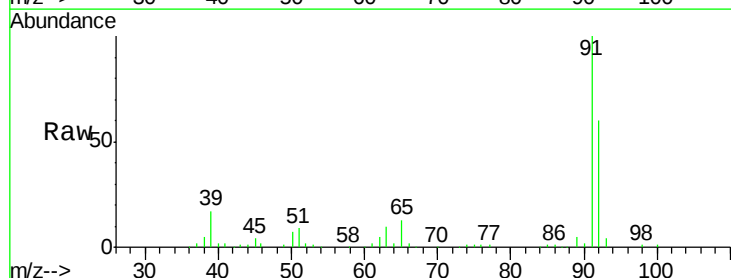
Acq: 8 Jun 2018 2:12

Tgt Ion: 92 Resp: 417594

Ion Ratio Lower Upper

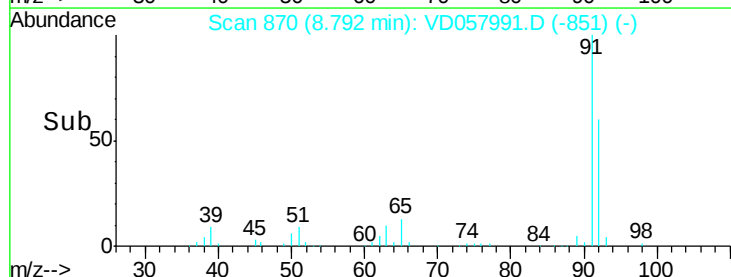
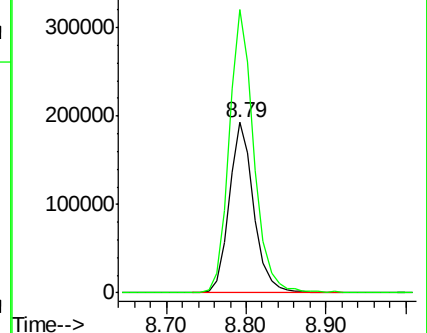
92 100

91 166.0 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

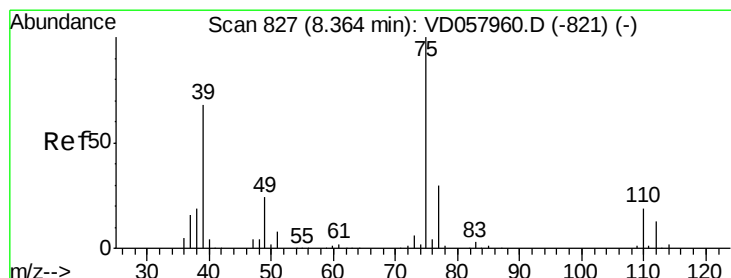
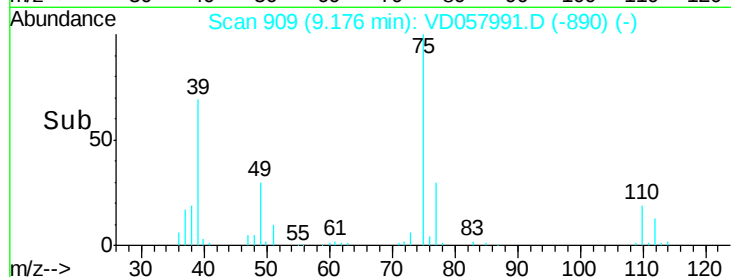
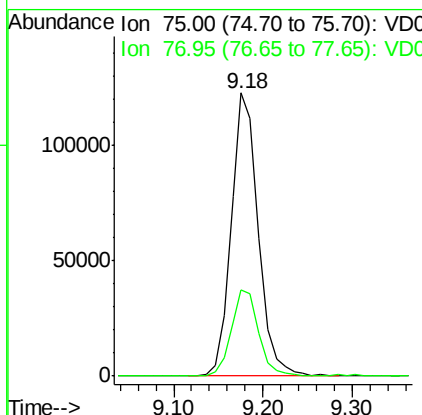
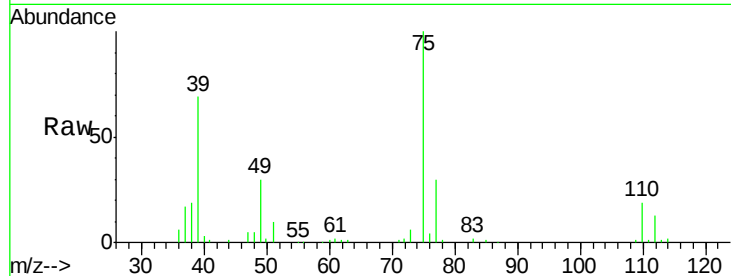




#53
 t-1,3-Dichloropropene
 Concen: 21.491 ug/l
 RT: 9.18 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

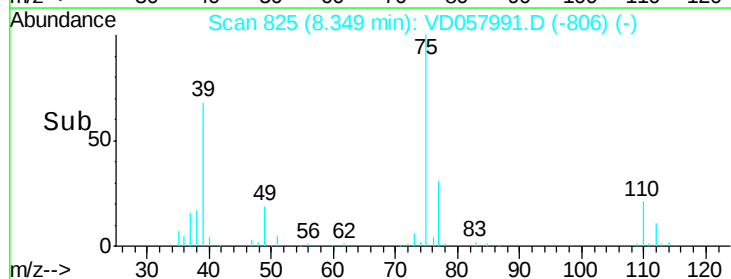
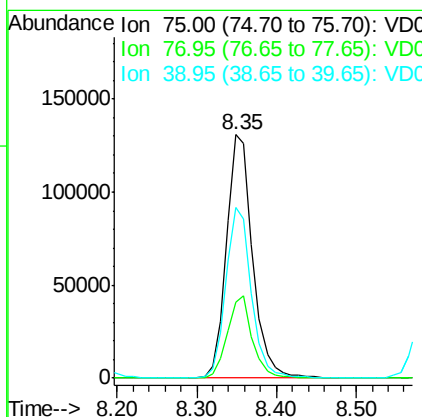
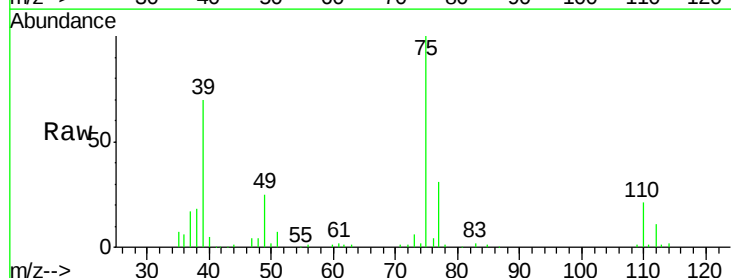
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

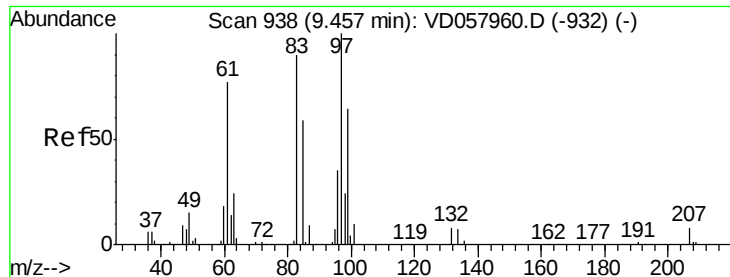
Tgt Ion: 75 Resp: 258566
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 21.201 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion: 75 Resp: 300506
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.1 36.1
 39 70.2 54.0 81.0

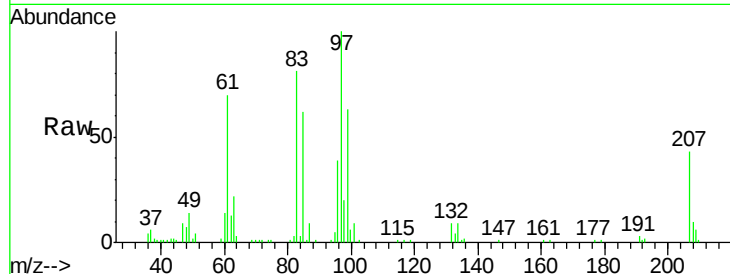




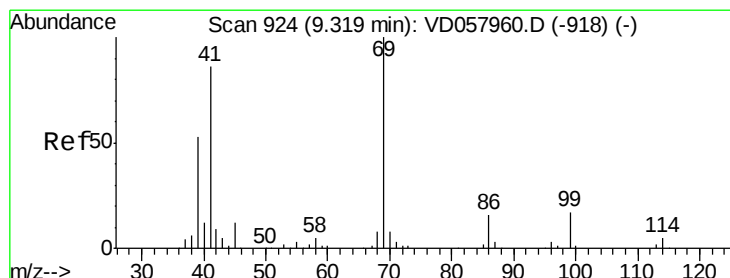
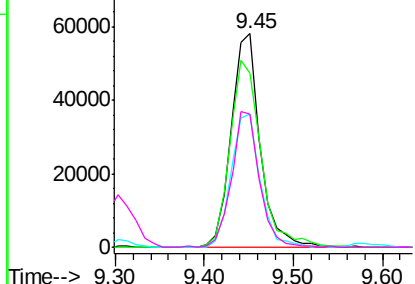
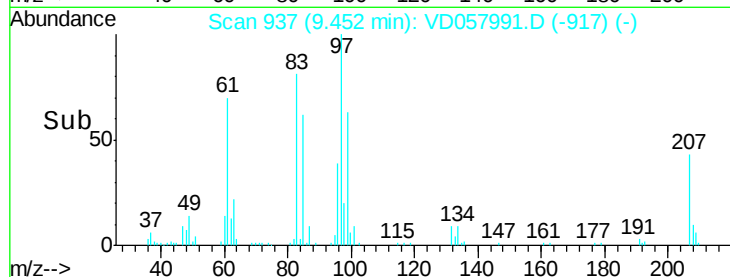
#55
 1,1,2-Trichloroethane
 Concen: 21.332 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD02

Tgt Ion: 97 Resp: 132358
 Ion Ratio Lower Upper
 97 100
 83 81.3 71.8 107.8
 85 62.1 47.2 70.8
 99 62.6 51.4 77.0

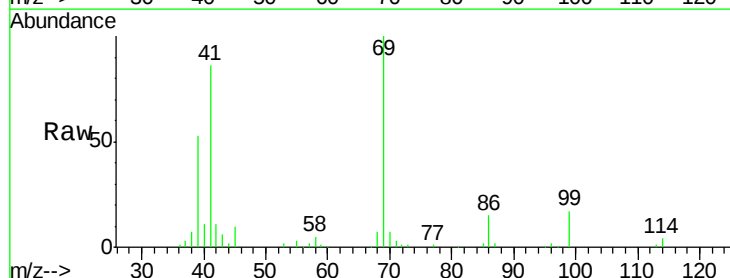


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

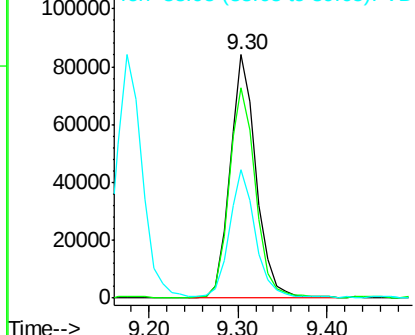
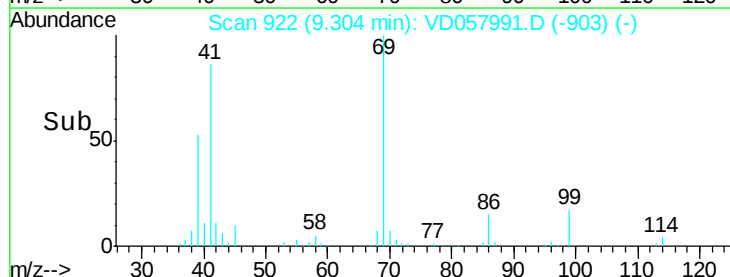


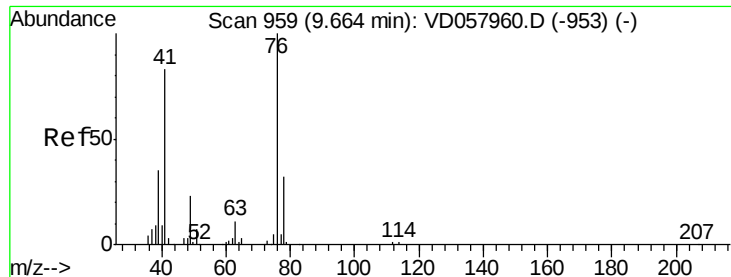
#56
 Ethyl methacrylate
 Concen: 22.748 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion: 69 Resp: 173138
 Ion Ratio Lower Upper
 69 100
 41 86.2 68.4 102.6
 39 52.6 43.0 64.4



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.905 ug/l

RT: 9.66 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

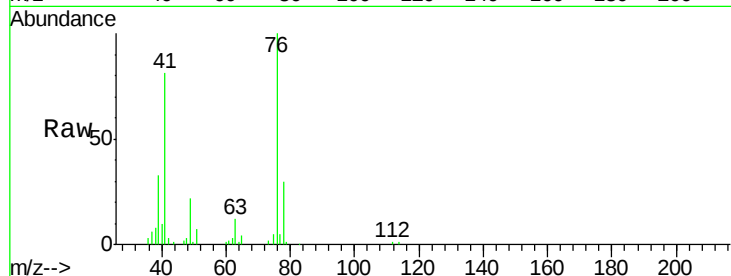
VD0607SBS02

Tgt Ion: 76 Resp: 238377

Ion Ratio Lower Upper

76 100

78 29.7 25.4 38.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

120000

100000

80000

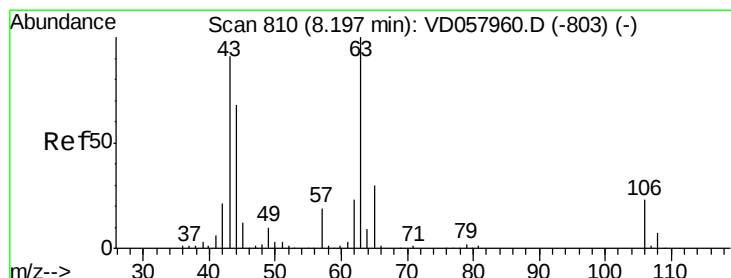
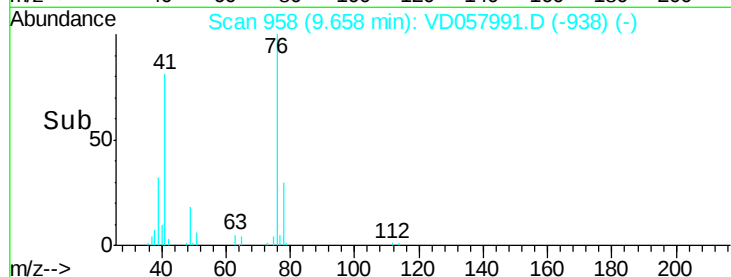
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 112.921 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD057991.D

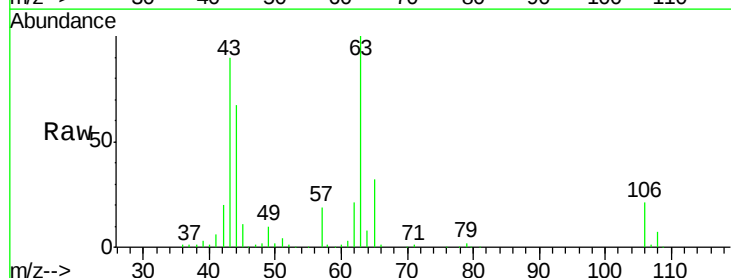
Acq: 8 Jun 2018 2:12

Tgt Ion: 63 Resp: 434214

Ion Ratio Lower Upper

63 100

106 21.2 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.18

200000

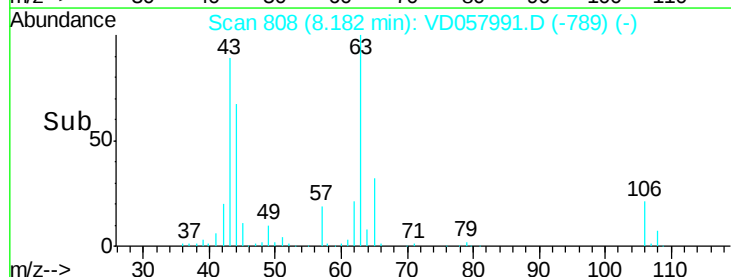
150000

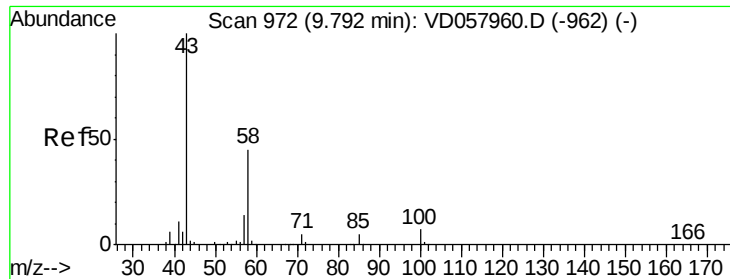
100000

50000

0

Time-->

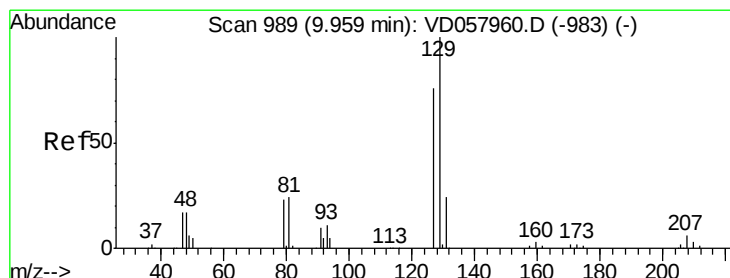
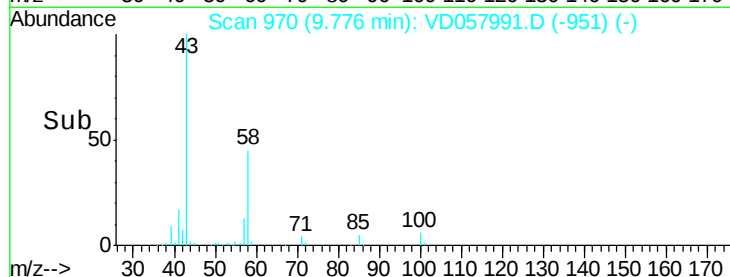
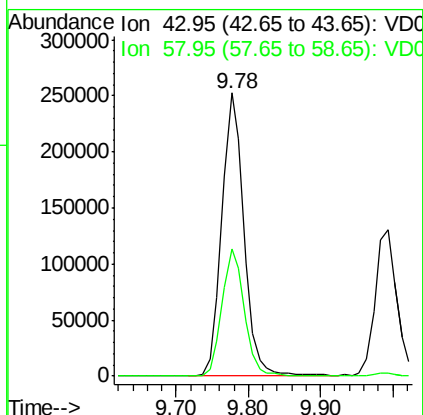
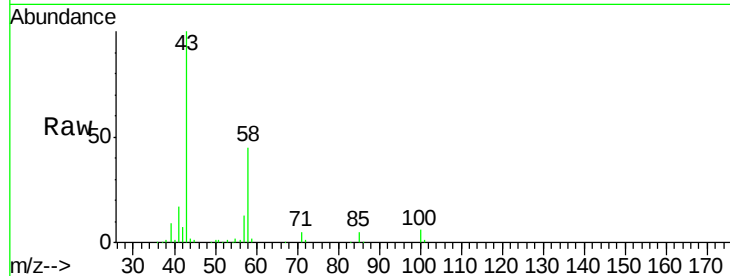




#59
2-Hexanone
Concen: 111.780 ug/l
RT: 9.78 min Scan# 970
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

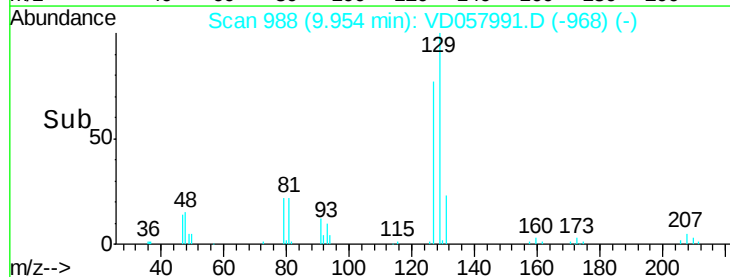
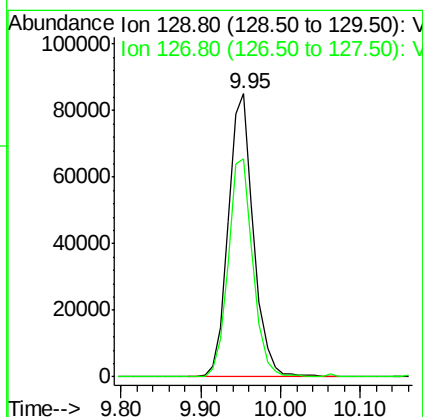
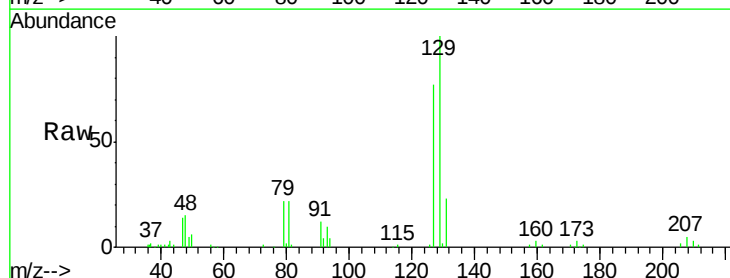
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

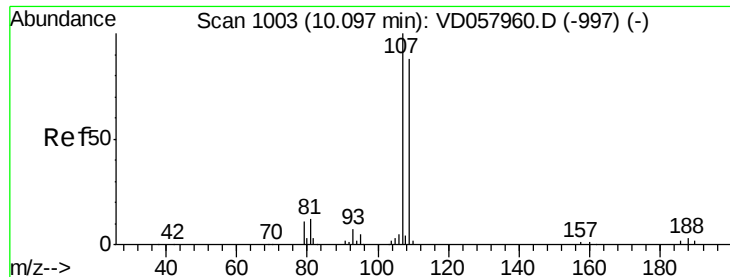
Tgt Ion: 43 Resp: 536988
Ion Ratio Lower Upper
43 100
58 45.0 22.5 67.5



#60
Dibromochloromethane
Concen: 21.489 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 129 Resp: 188022
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.163 ug/l

RT: 10.08 min Scan# 1001

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

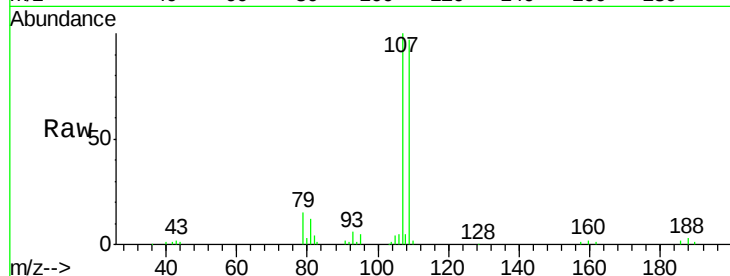
VD0607SBSD02

Tgt Ion: 107 Resp: 151008

Ion Ratio Lower Upper

107 100

109 97.4 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.08

80000

60000

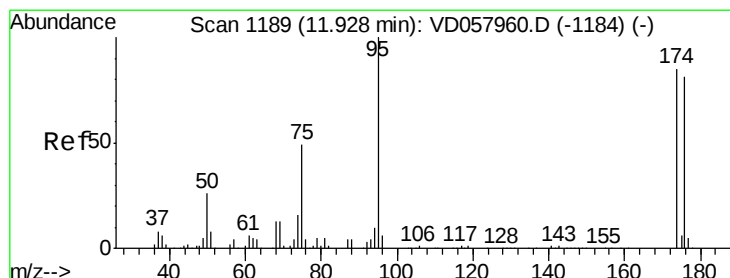
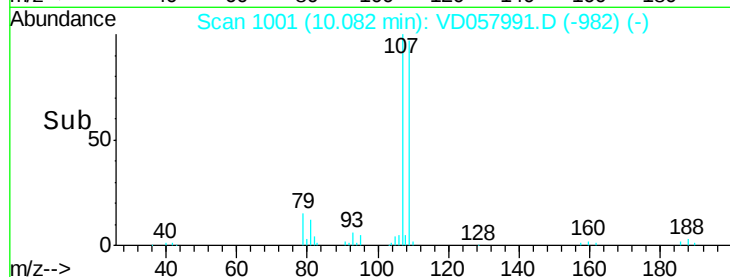
40000

20000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 21.163 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

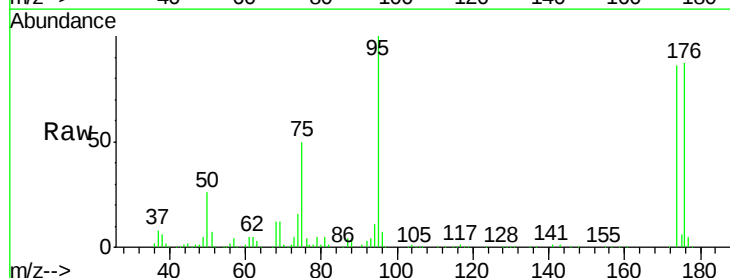
Tgt Ion: 95 Resp: 493098

Ion Ratio Lower Upper

95 100

174 86.5 0.0 169.4

176 87.3 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92

400000

300000

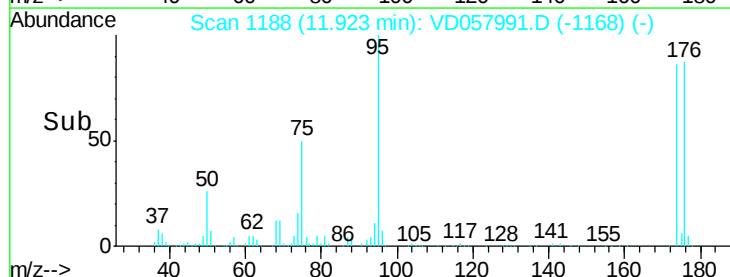
200000

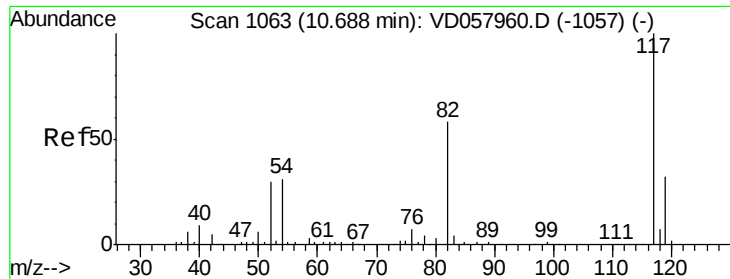
100000

0

Time-->

11.80 11.90 12.00

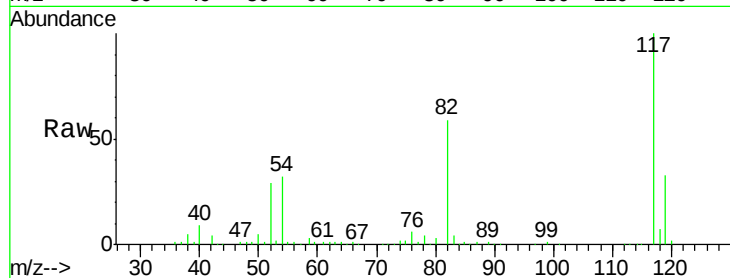




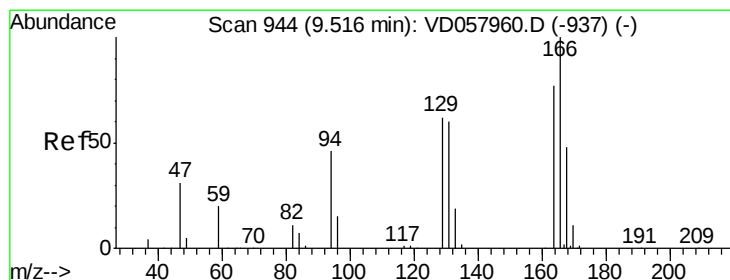
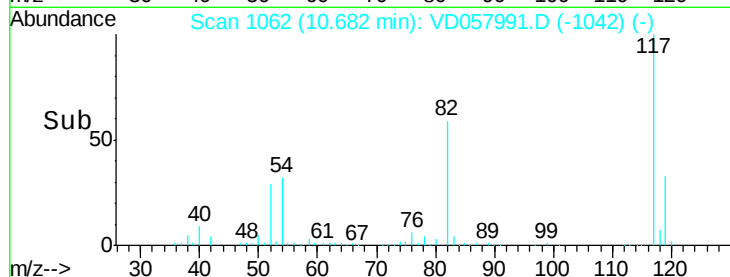
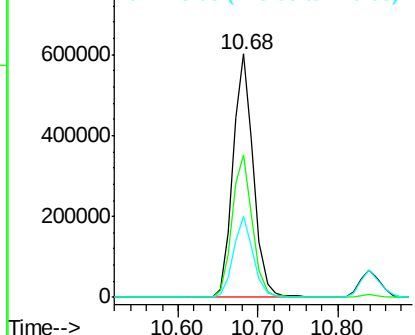
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion:117 Resp: 1073603
Ion Ratio Lower Upper
117 100
82 58.7 46.8 70.2
119 33.2 25.8 38.6



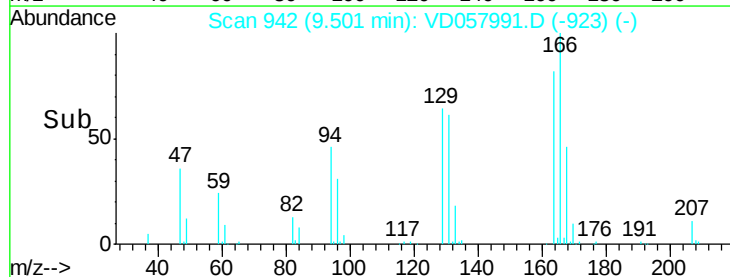
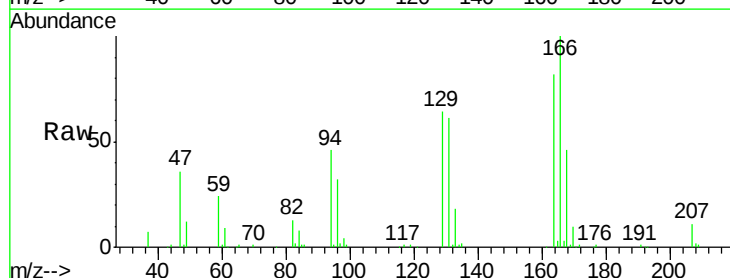
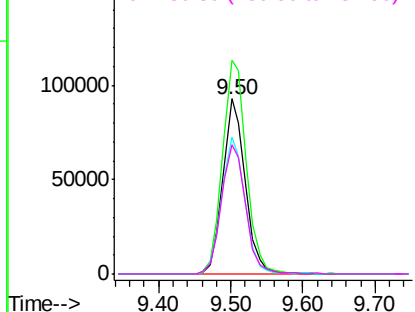
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

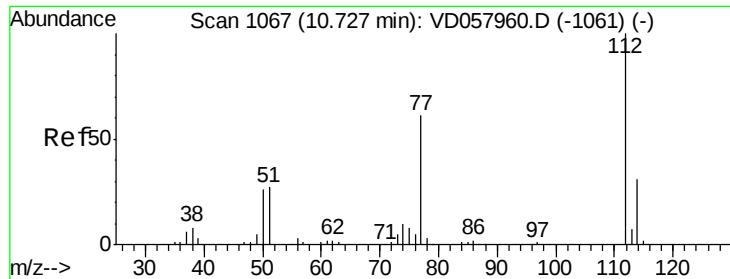


#64
Tetrachloroethene
Concen: 20.675 ug/l
RT: 9.50 min Scan# 942
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:164 Resp: 198442
Ion Ratio Lower Upper
164 100
166 122.2 104.4 156.6
129 78.7 65.0 97.6
131 74.0 62.9 94.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.324 ug/l

RT: 10.71 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

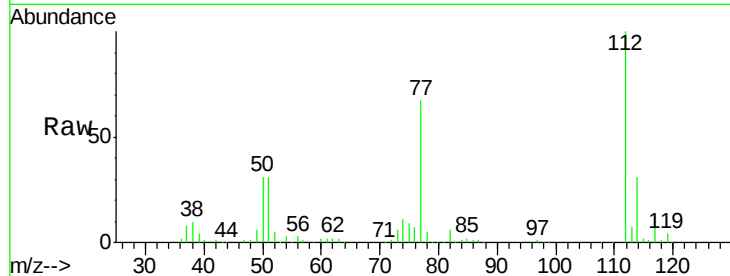
VD0607SBS02

Tgt Ion:112 Resp: 441721

Ion Ratio Lower Upper

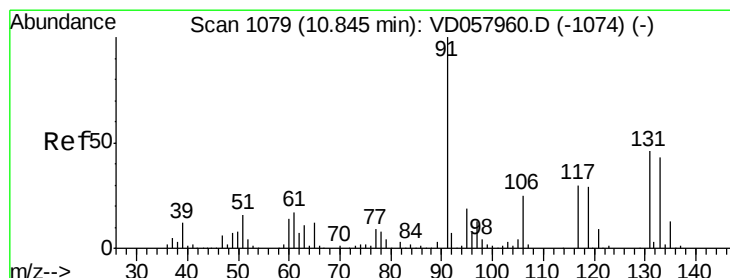
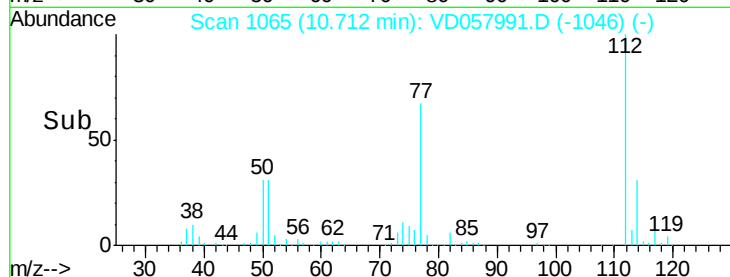
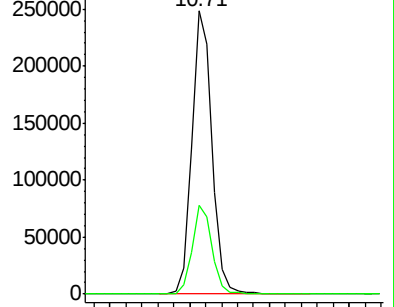
112 100

114 31.3 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.319 ug/l

RT: 10.84 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

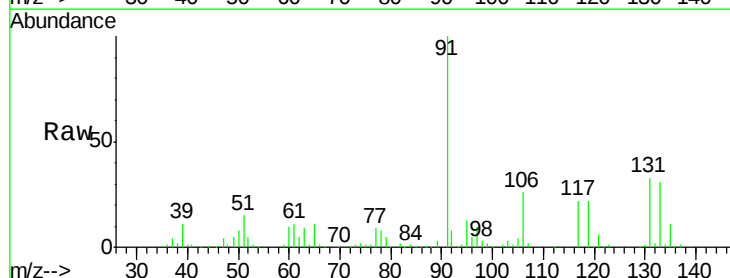
Tgt Ion:131 Resp: 178018

Ion Ratio Lower Upper

131 100

133 93.0 46.9 140.6

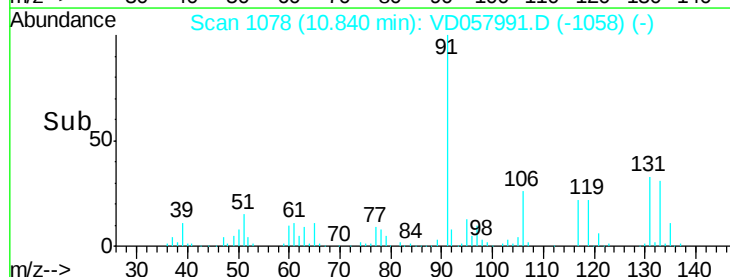
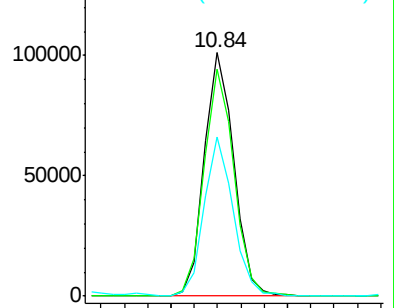
119 65.3 31.8 95.3

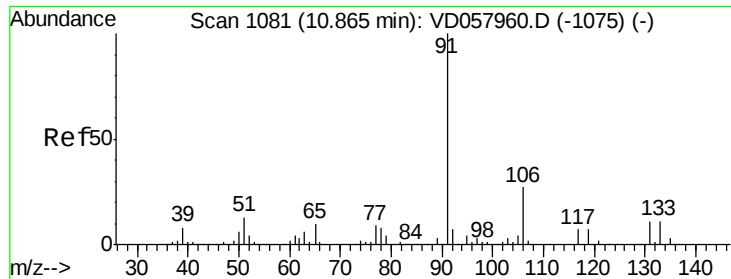


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

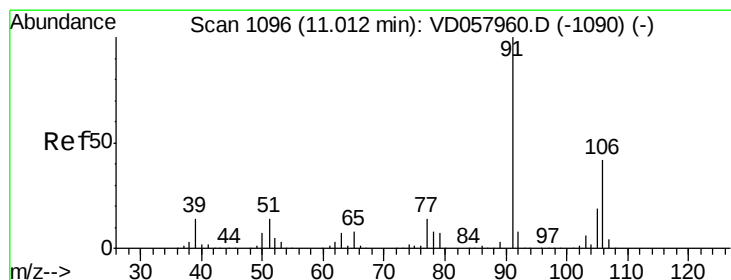
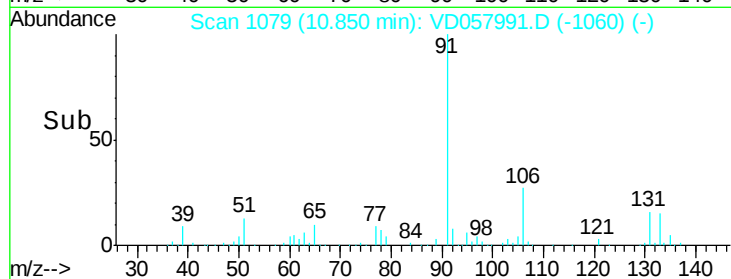
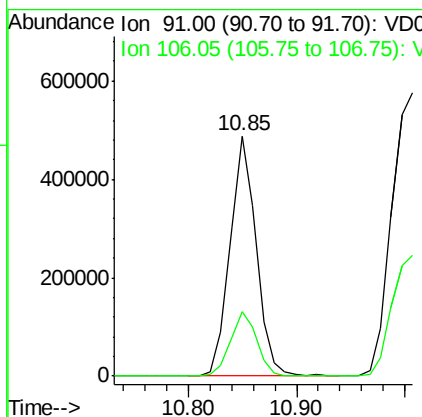
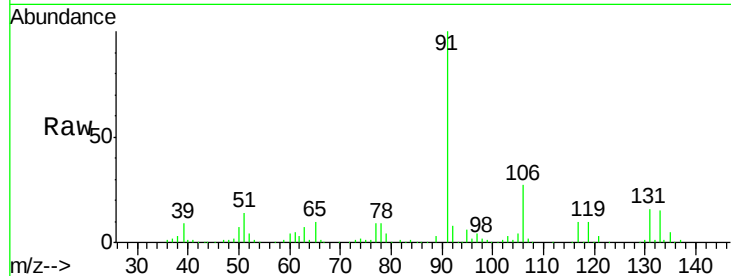




#67
Ethyl Benzene
Concen: 21.011 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

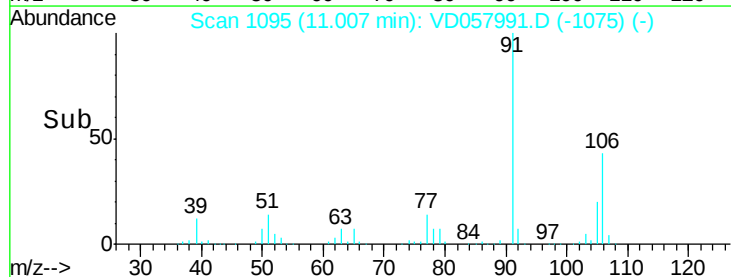
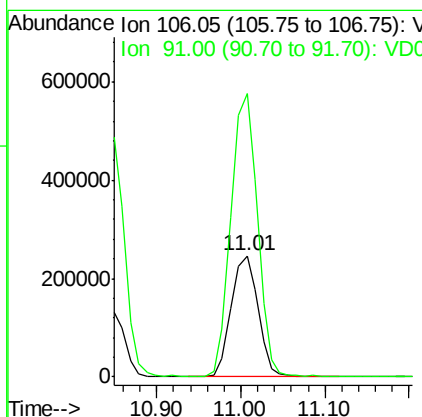
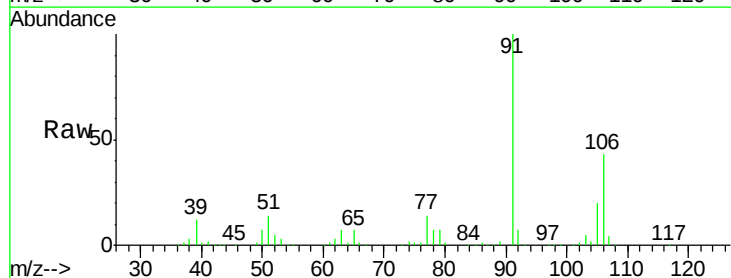
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

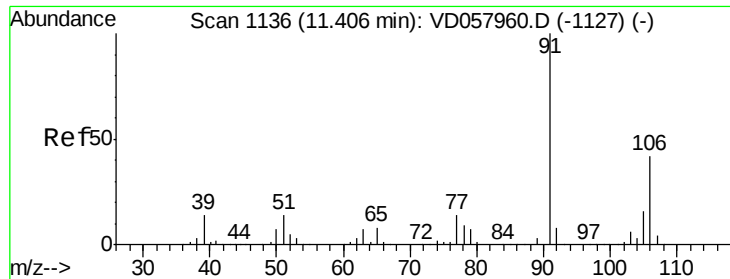
Tgt Ion: 91 Resp: 825029
Ion Ratio Lower Upper
91 100
106 26.8 21.5 32.3



#68
m/p-Xylenes
Concen: 42.844 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 106 Resp: 548427
Ion Ratio Lower Upper
106 100
91 233.6 190.4 285.6

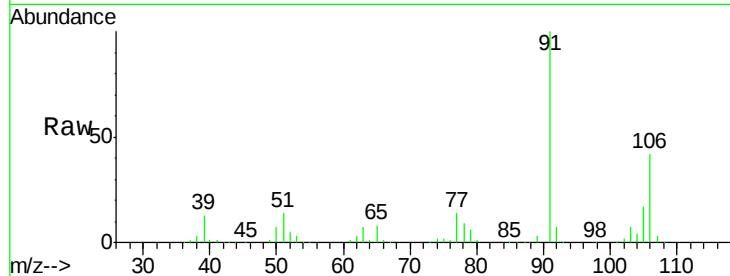




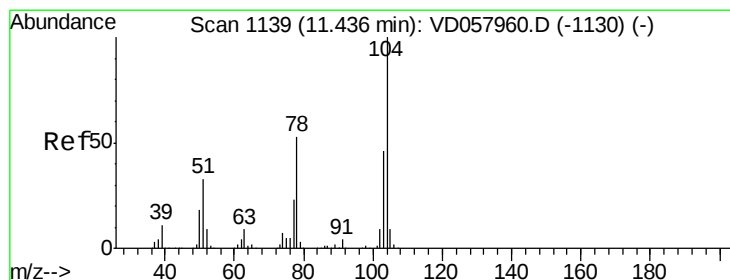
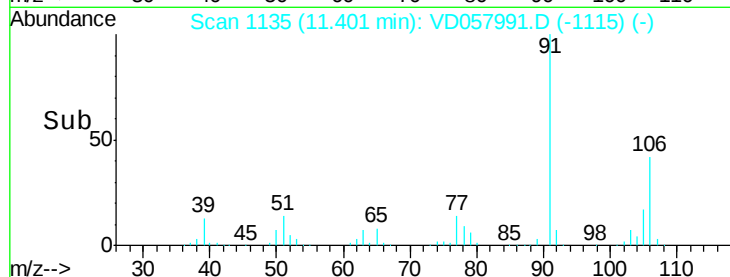
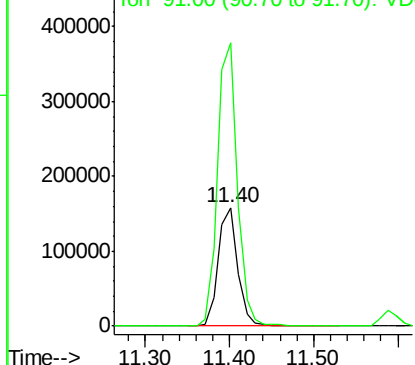
#69
o-Xylene
Concen: 20.037 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

Tgt Ion:106 Resp: 254586
Ion Ratio Lower Upper
106 100
91 238.4 120.6 361.7

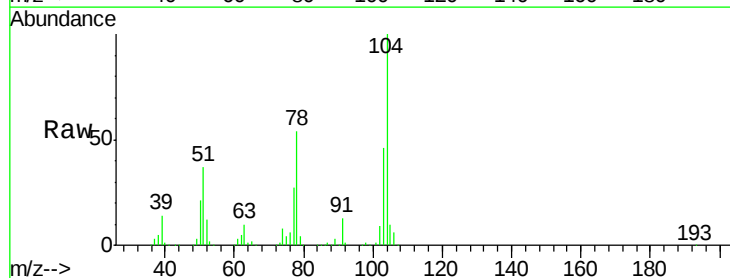


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

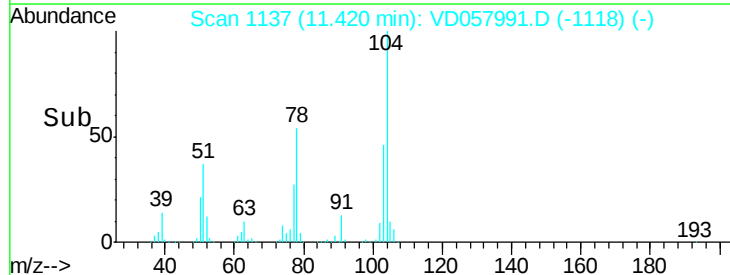
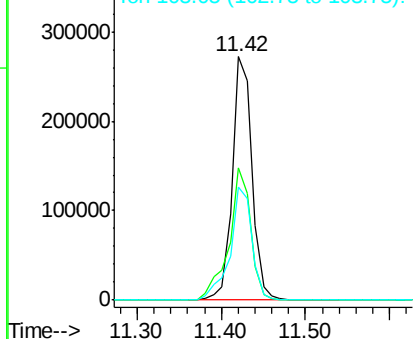


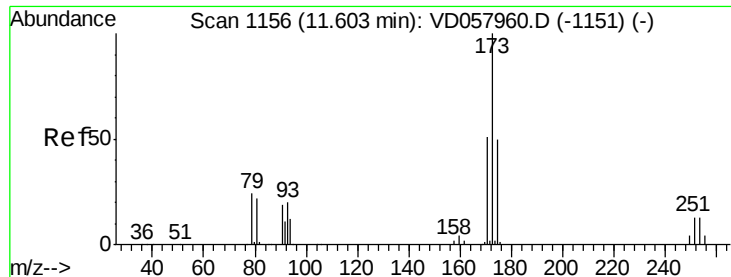
#70
Styrene
Concen: 20.949 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:104 Resp: 440638
Ion Ratio Lower Upper
104 100
78 54.2 42.1 63.1
103 46.2 37.0 55.6



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

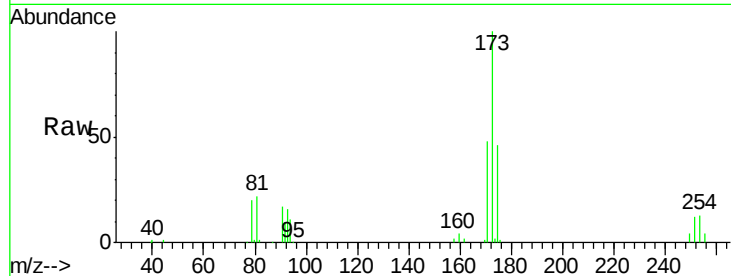




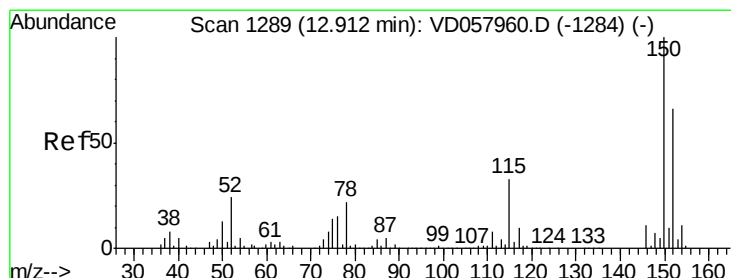
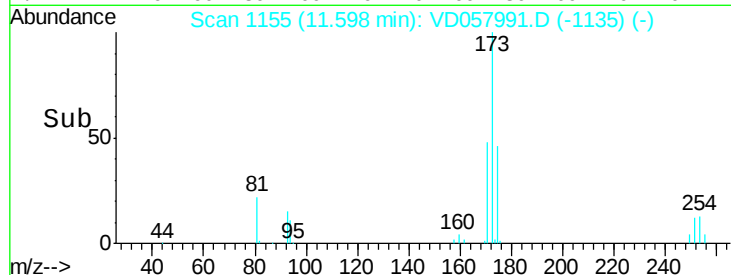
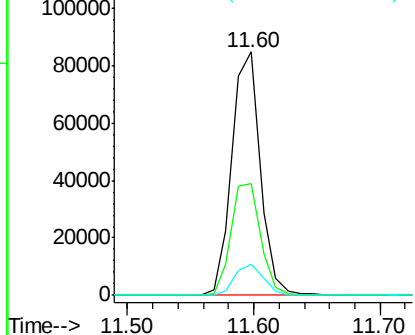
#71
Bromoform
Concen: 20.901 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion:173 Resp: 131293
Ion Ratio Lower Upper
173 100
175 45.9 25.1 75.2
254 12.6 10.7 16.1

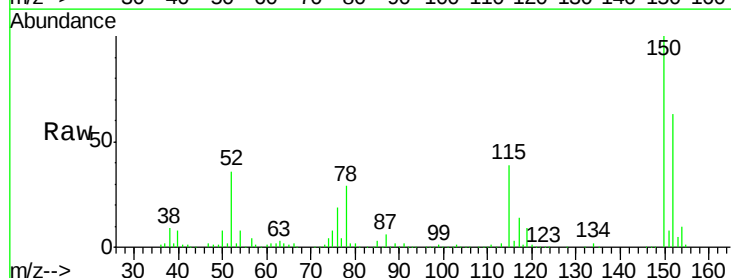


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

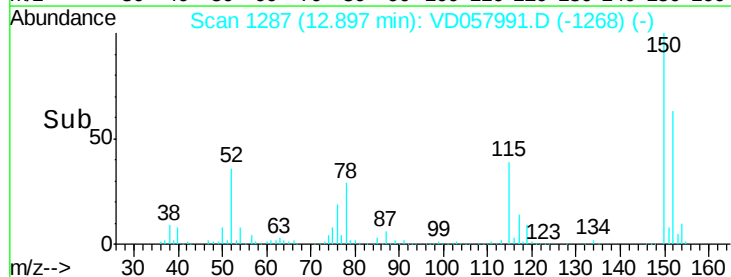
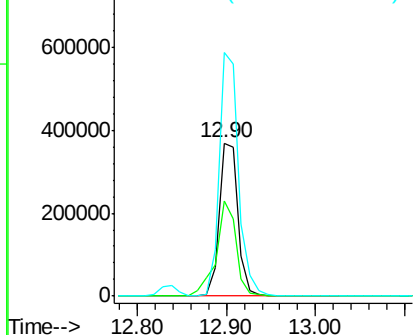


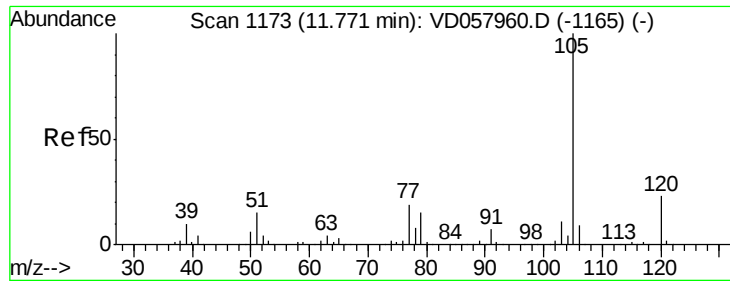
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:152 Resp: 545656
Ion Ratio Lower Upper
152 100
115 62.4 25.6 76.6
150 159.2 0.0 306.8



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





#73

Isopropylbenzene

Concen: 20.688 ug/l

RT: 11.77 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

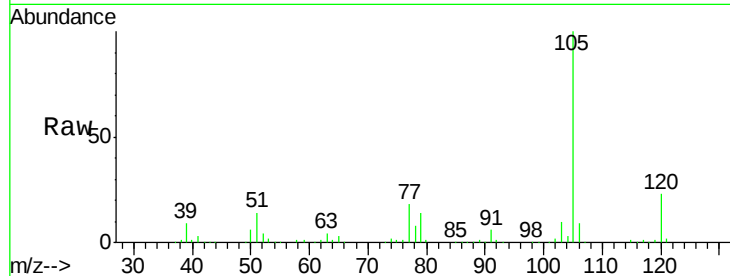
VD0607SBS02

Tgt Ion: 105 Resp: 747707

Ion Ratio Lower Upper

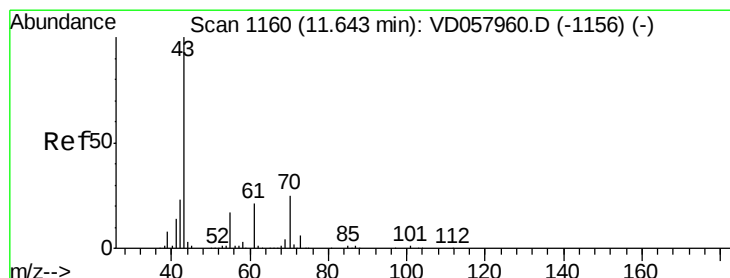
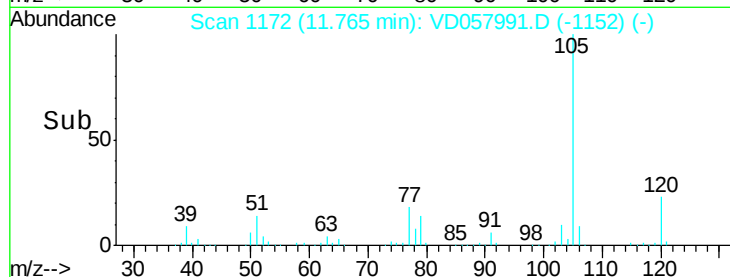
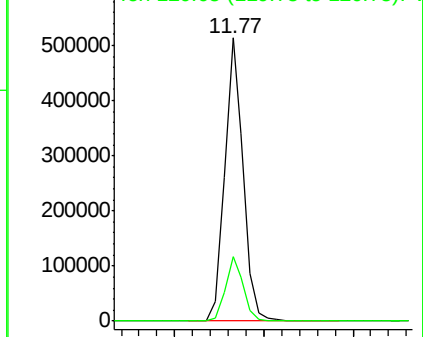
105 100

120 22.7 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.504 ug/l

RT: 11.64 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Tgt Ion: 43 Resp: 299894

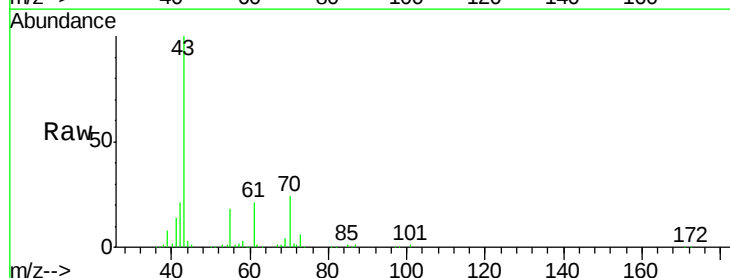
Ion Ratio Lower Upper

43 100

70 24.1 20.3 30.5

55 18.4 13.9 20.9

61 20.5 16.6 24.8

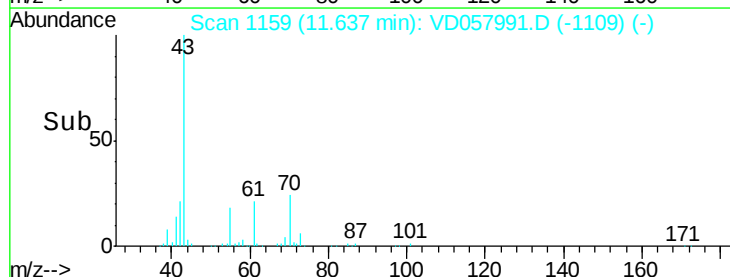
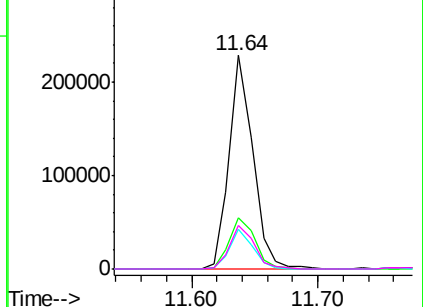


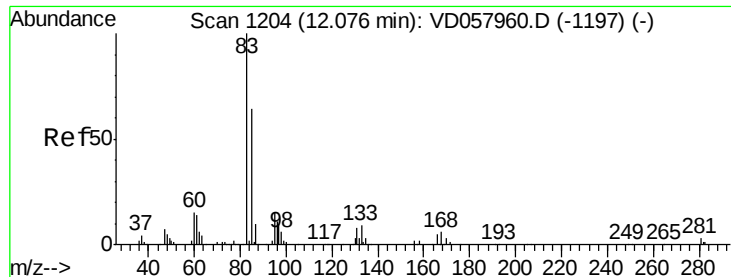
Abundance Ion 42.95 (42.65 to 43.65): V

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: 21.721 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

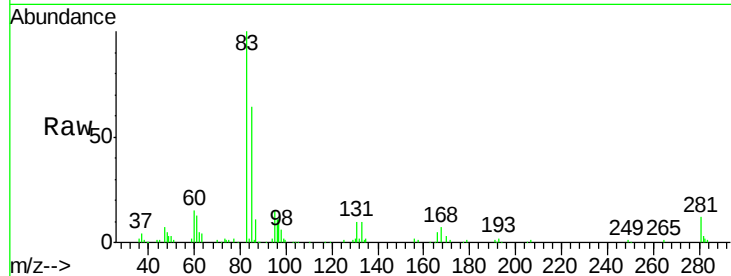
Tgt Ion: 83 Resp: 171159

Ion Ratio Lower Upper

83 100

131 10.0 4.2 12.6

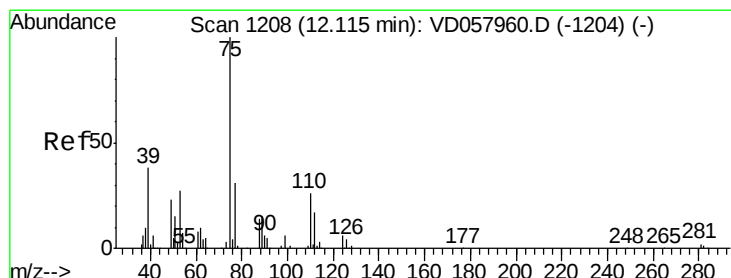
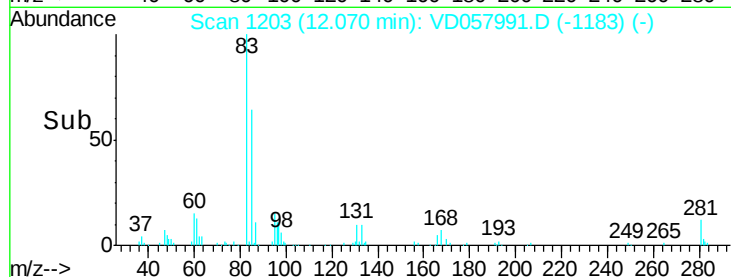
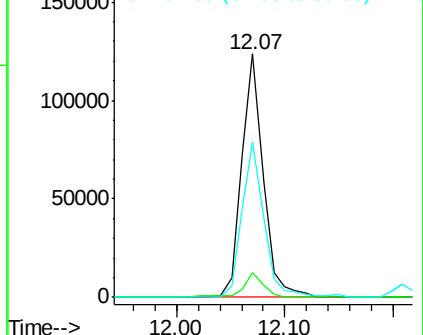
85 63.8 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.512 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD057991.D

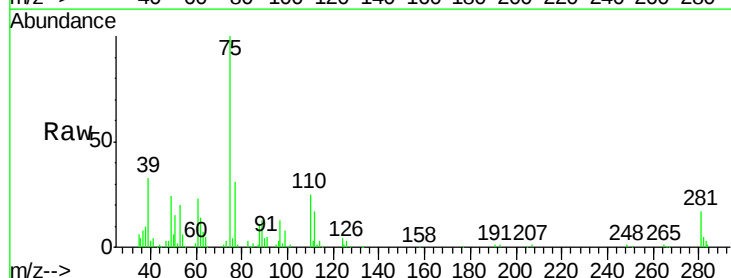
Acq: 8 Jun 2018 2:12

Tgt Ion: 75 Resp: 184518

Ion Ratio Lower Upper

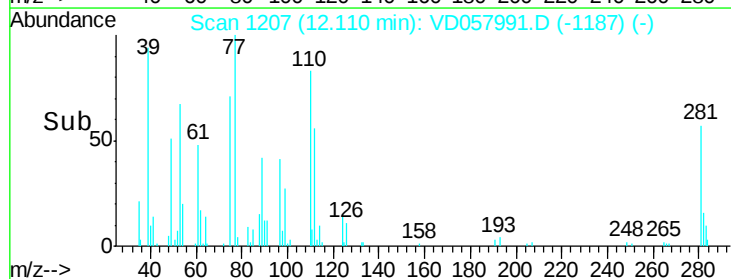
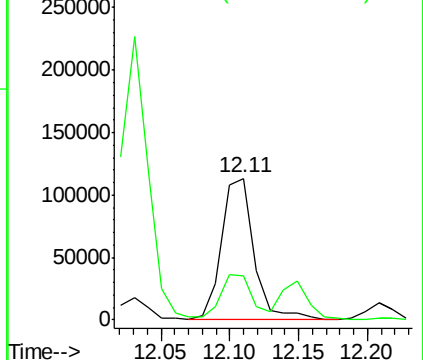
75 100

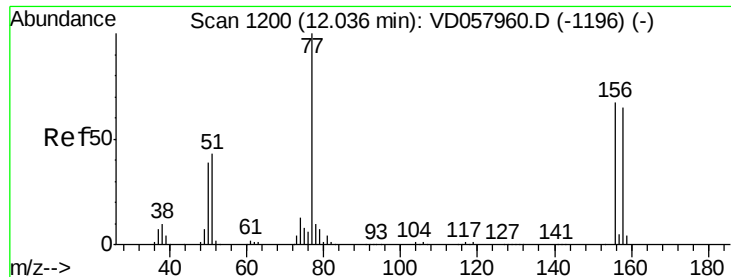
77 31.3 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.442 ug/l

RT: 12.03 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

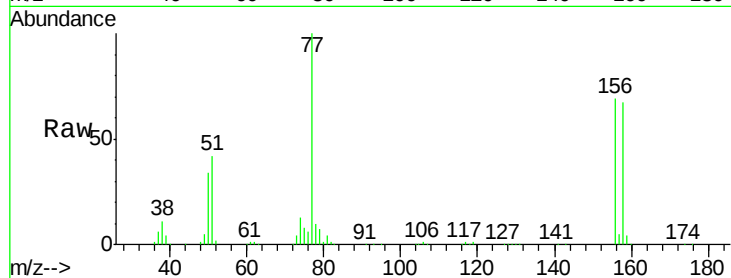
Tgt Ion:156 Resp: 218687

Ion Ratio Lower Upper

156 100

77 144.0 75.0 224.8

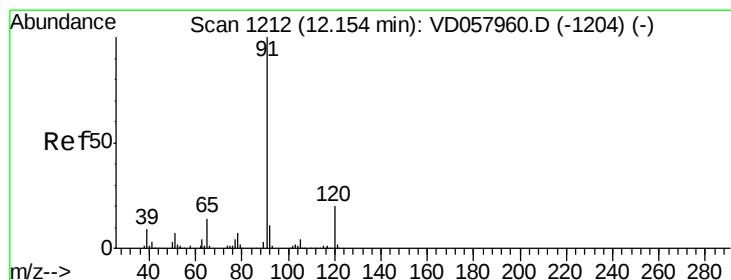
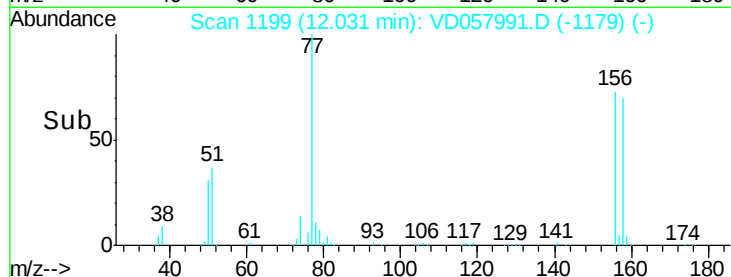
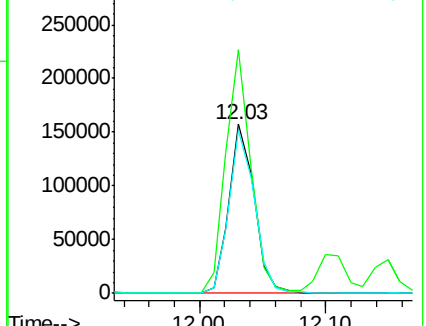
158 96.7 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.848 ug/l

RT: 12.15 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD057991.D

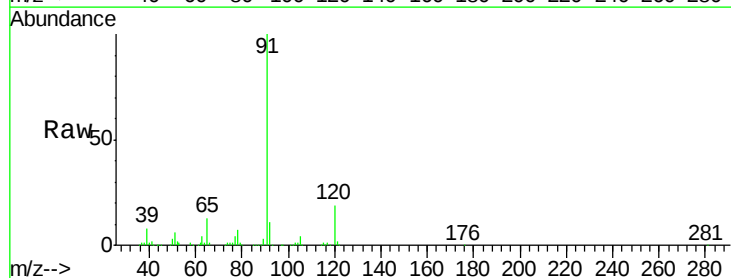
Acq: 8 Jun 2018 2:12

Tgt Ion: 91 Resp: 980453

Ion Ratio Lower Upper

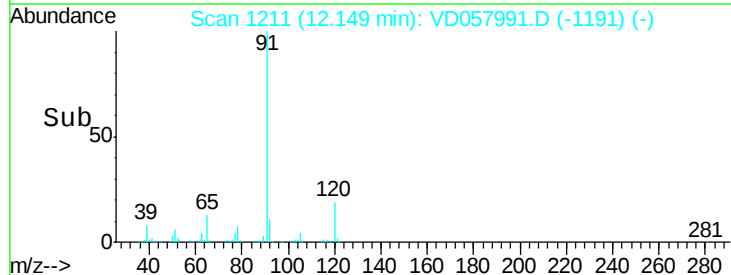
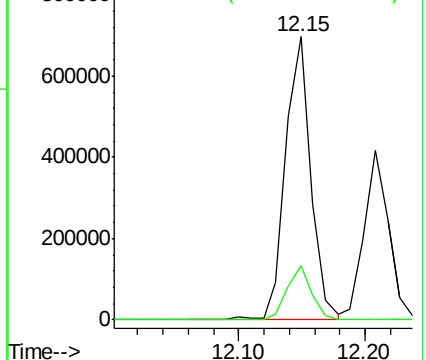
91 100

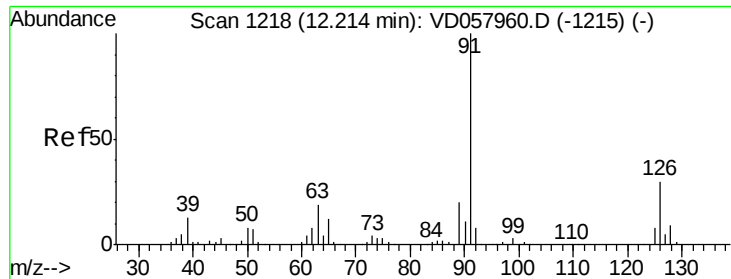
120 19.3 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

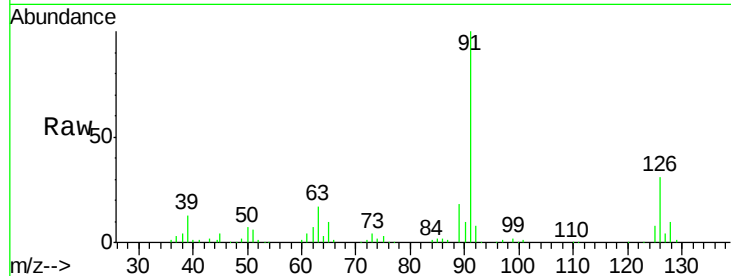




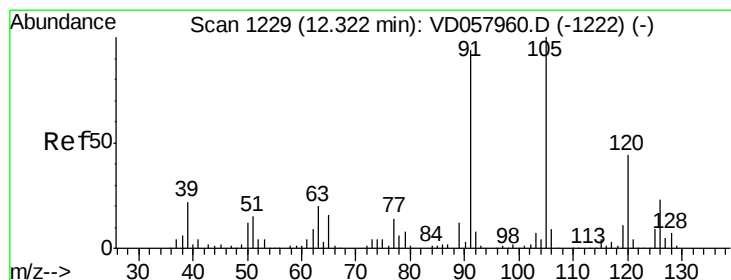
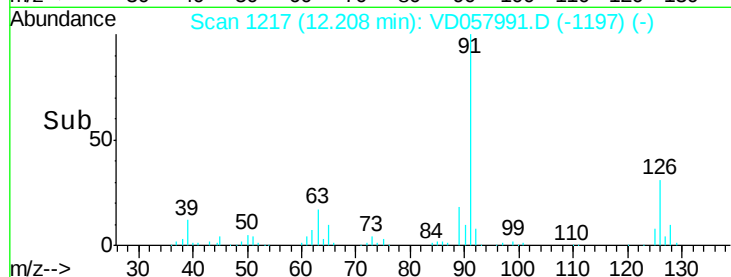
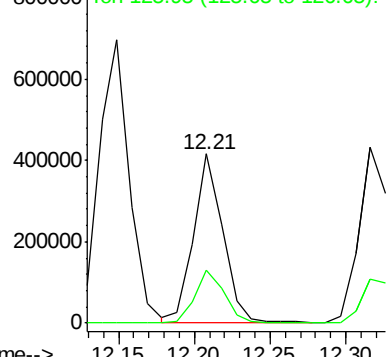
#79
2-Chlorotoluene
Concen: 20.850 ug/l
RT: 12.21 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

Tgt Ion: 91 Resp: 559403
Ion Ratio Lower Upper
91 100
126 31.2 14.6 44.0

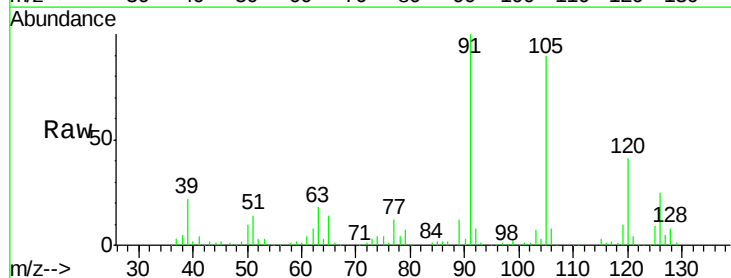


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

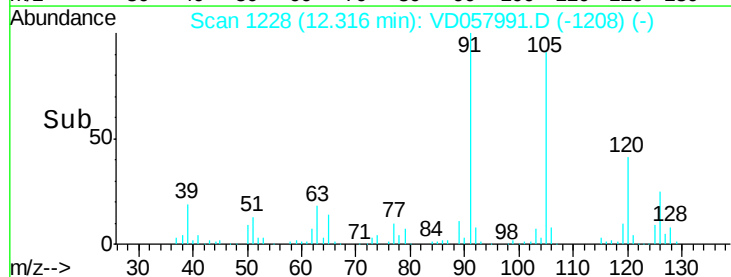
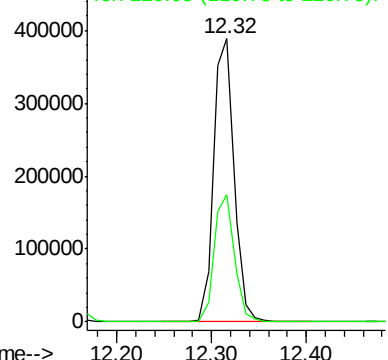


#80
1,3,5-Trimethylbenzene
Concen: 20.660 ug/l
RT: 12.32 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion: 105 Resp: 582319
Ion Ratio Lower Upper
105 100
120 45.1 22.0 66.0



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: 21.605 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

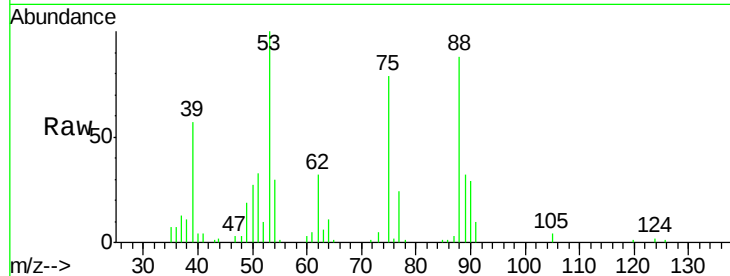
Tgt Ion: 75 Resp: 43861

Ion Ratio Lower Upper

75 100

53 126.9 89.3 133.9

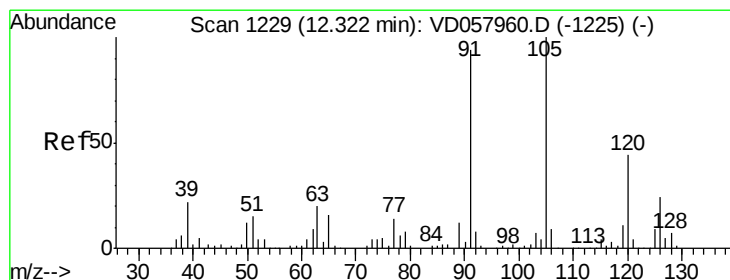
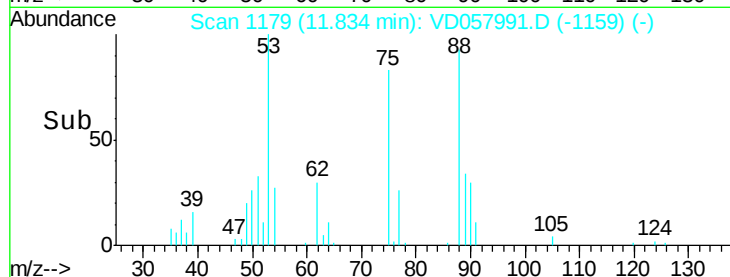
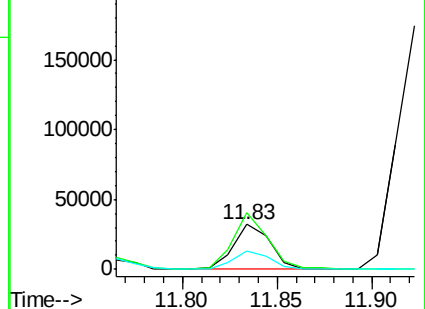
89 40.5 33.3 49.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.635 ug/l

RT: 12.32 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VD057991.D

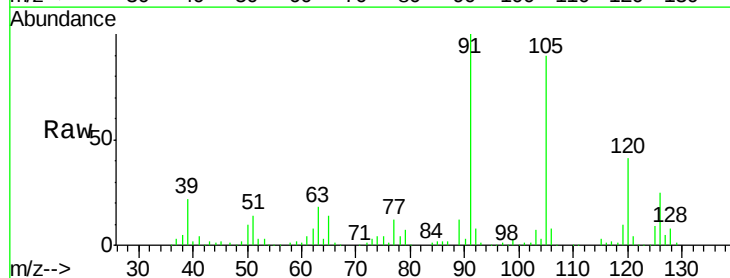
Acq: 8 Jun 2018 2:12

Tgt Ion: 91 Resp: 611607

Ion Ratio Lower Upper

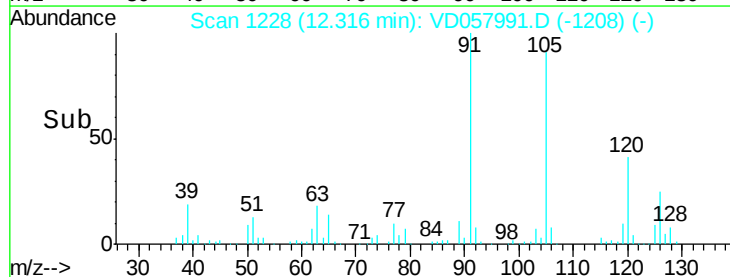
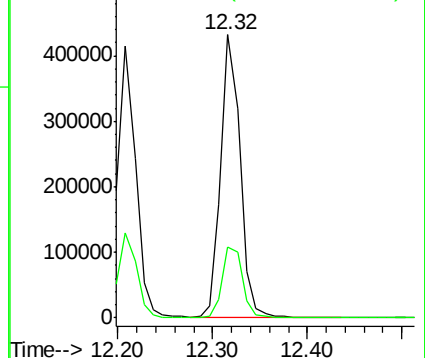
91 100

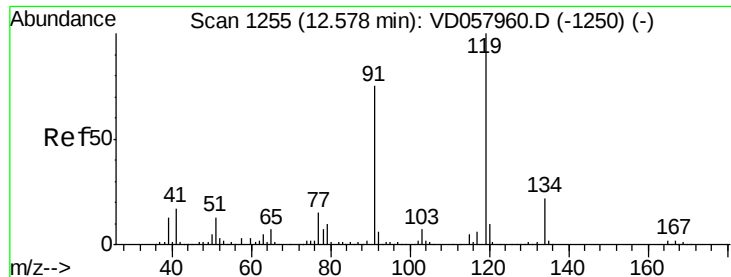
126 24.9 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

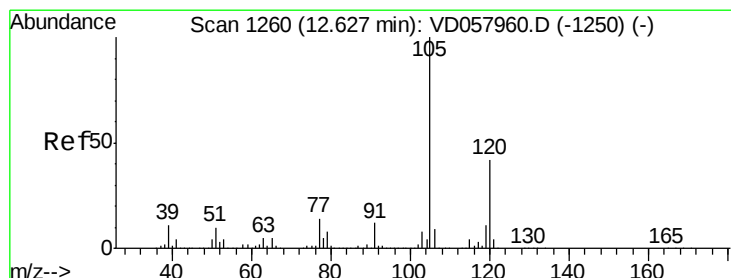
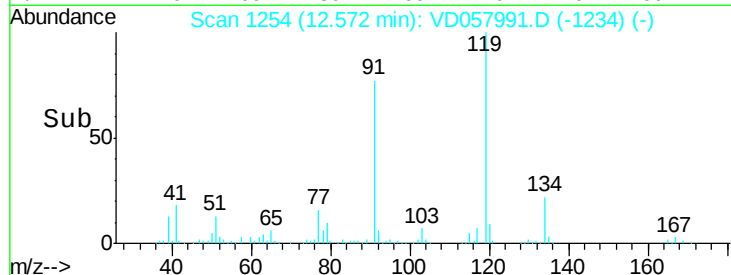
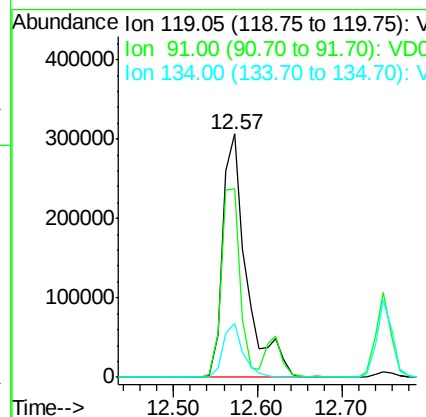
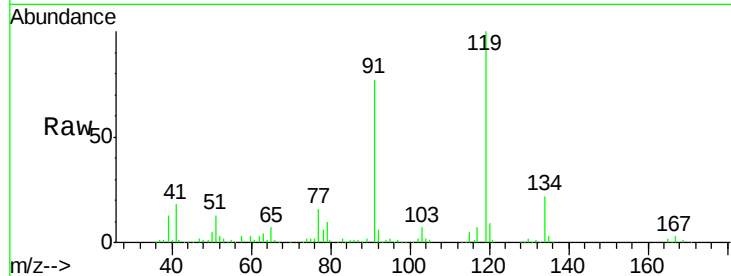




#83
tert-Butylbenzene
Concen: 19.034 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

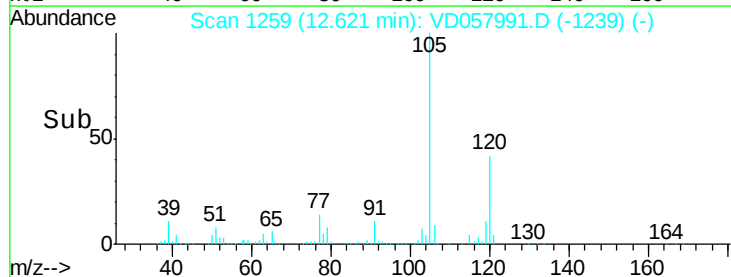
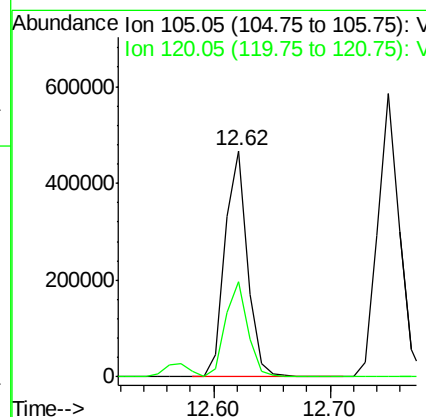
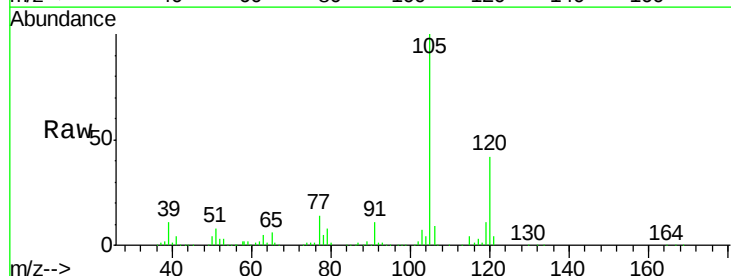
Instrument :
MSVOA_D
ClientSampleId :
VD0607SBS02

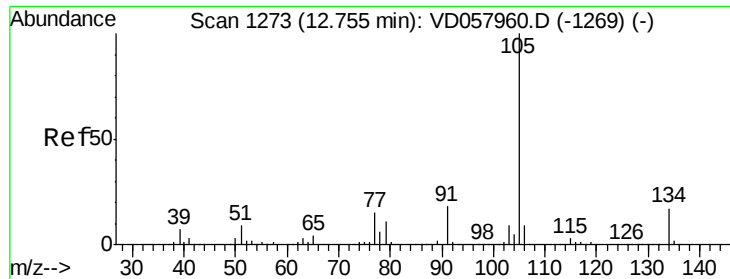
Tgt Ion:119 Resp: 605777
Ion Ratio Lower Upper
119 100
91 77.3 37.6 112.9
134 22.1 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 20.514 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:105 Resp: 621681
Ion Ratio Lower Upper
105 100
120 42.2 21.2 63.6

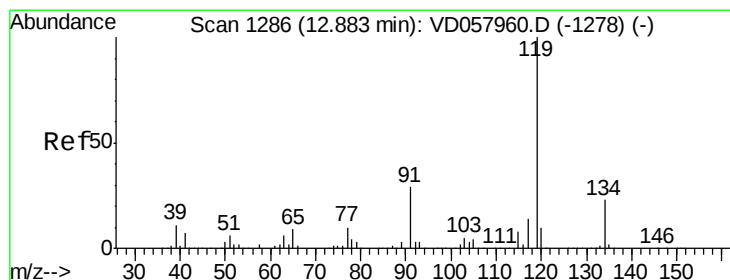
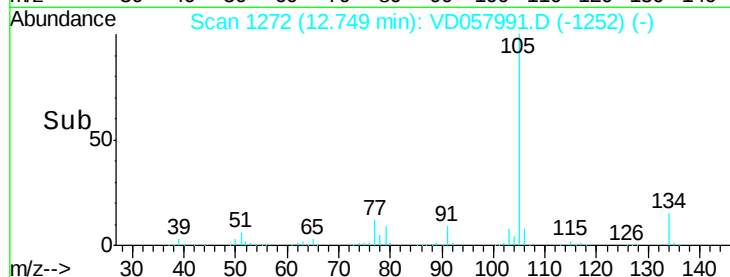
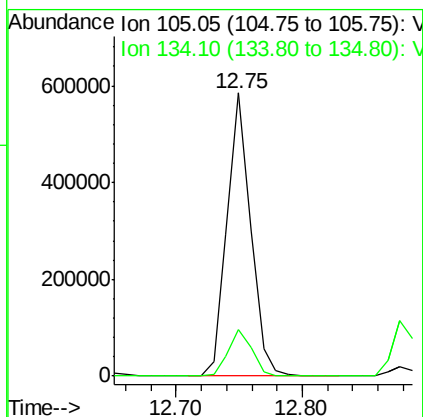
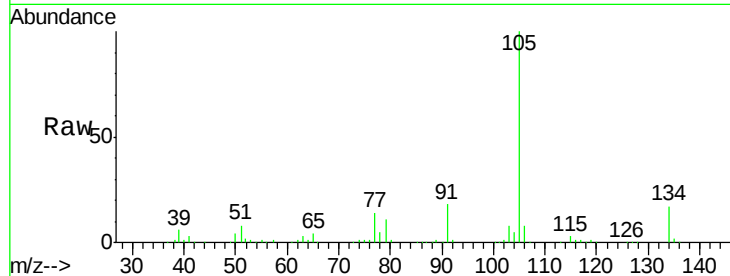




#85
 sec-Butylbenzene
 Concen: 19.703 ug/l
 RT: 12.75 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

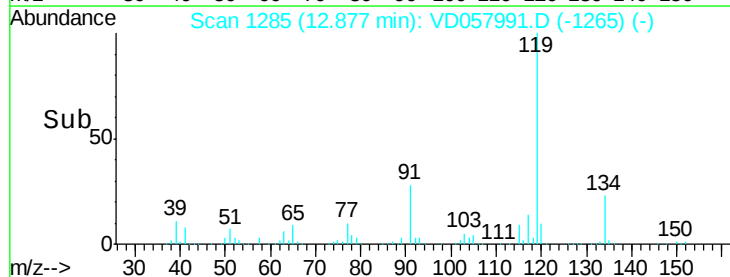
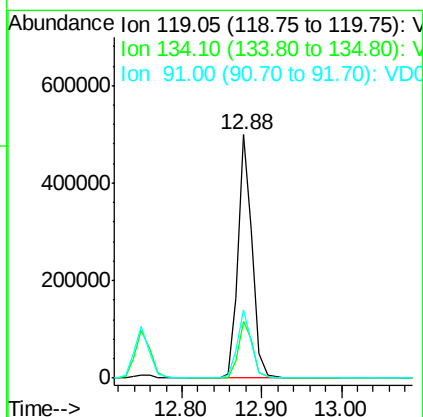
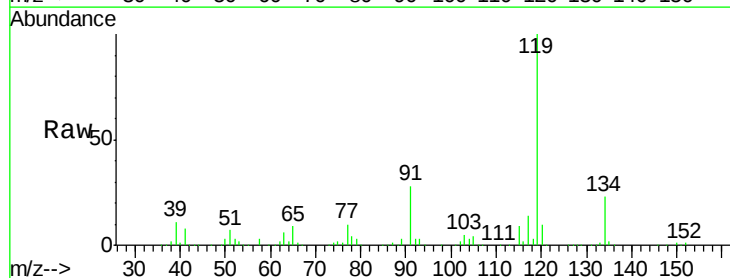
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD02

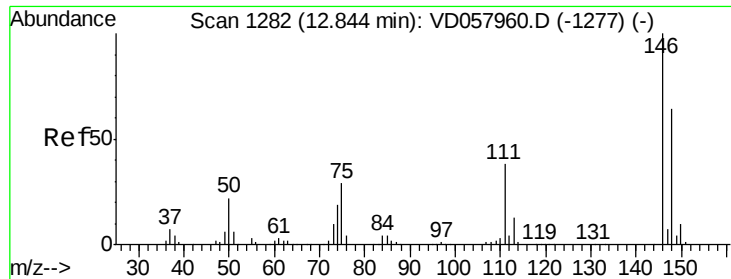
Tgt Ion:105 Resp: 756780
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.3 25.1



#86
 p-Isopropyltoluene
 Concen: 19.925 ug/l
 RT: 12.88 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion:119 Resp: 616823
 Ion Ratio Lower Upper
 119 100
 134 23.1 11.5 34.4
 91 28.2 14.5 43.6

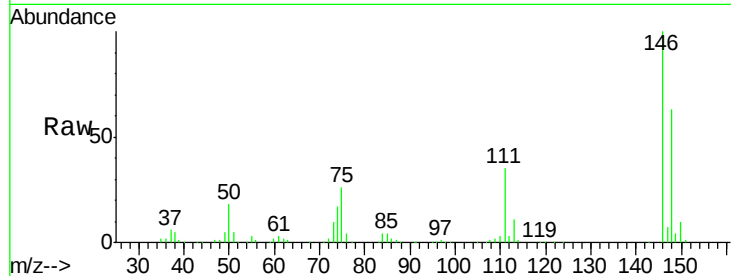




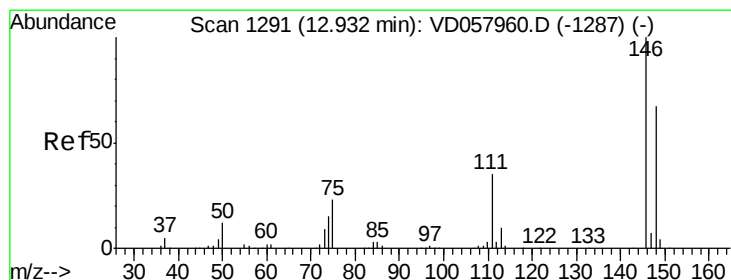
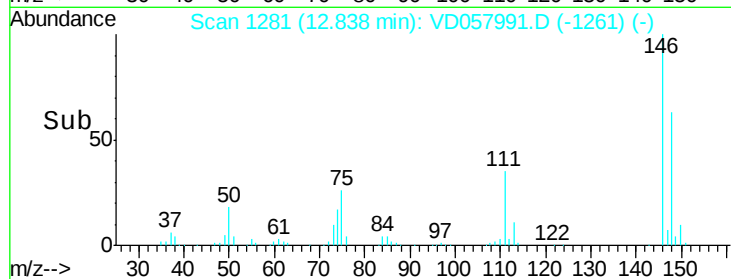
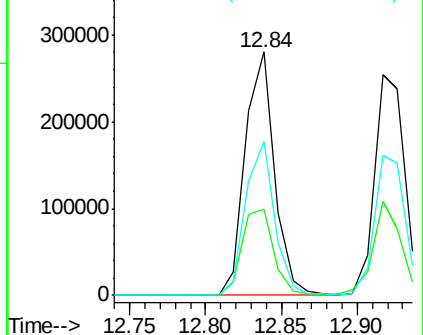
#87
 1,3-Dichlorobenzene
 Concen: 20.832 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tgt Ion:146 Resp: 376991
 Ion Ratio Lower Upper
 146 100
 111 35.3 19.1 57.3
 148 63.0 32.0 96.2

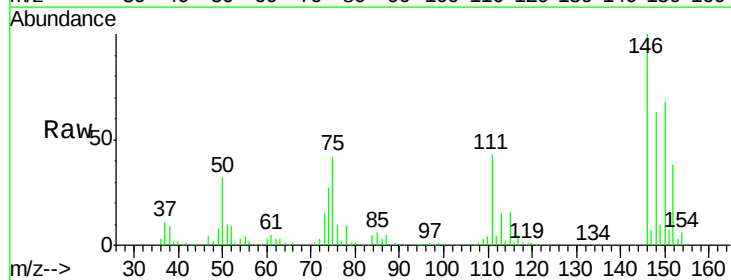


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

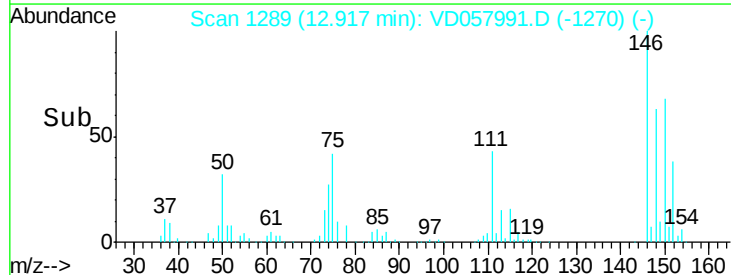
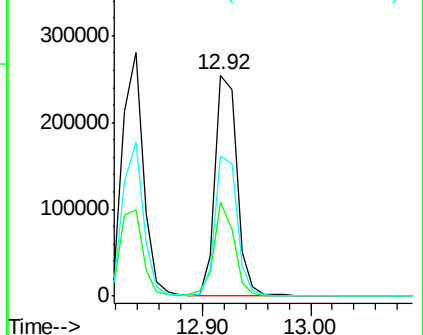


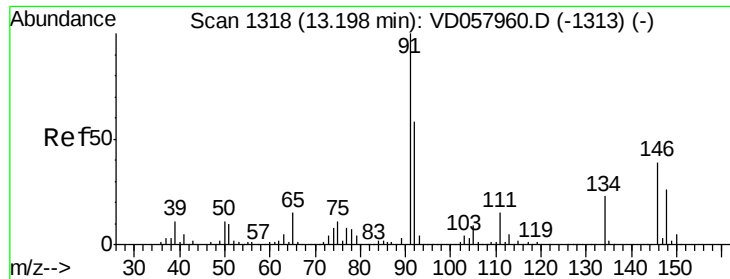
#88
 1,4-Dichlorobenzene
 Concen: 20.441 ug/l
 RT: 12.92 min Scan# 1289
 Delta R.T. -0.02 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion:146 Resp: 360421
 Ion Ratio Lower Upper
 146 100
 111 42.8 17.3 52.0
 148 63.4 33.4 100.2



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





#89

n-Butylbenzene

Concen: 21.858 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD057991.D

Acq: 8 Jun 2018 2:12

Instrument :

MSVOA_D

ClientSampleId :

VD0607SBS02

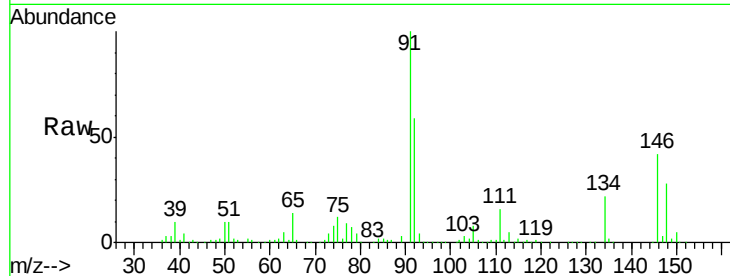
Tgt Ion: 91 Resp: 678535

Ion Ratio Lower Upper

91 100

92 58.6 29.2 87.6

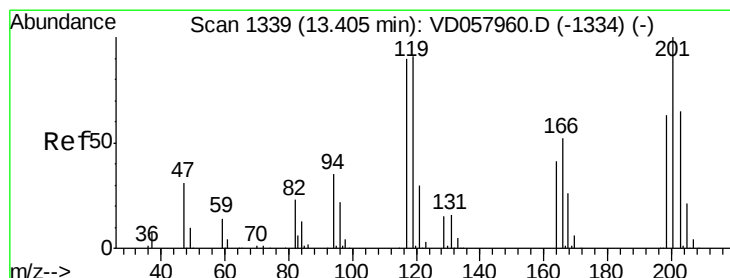
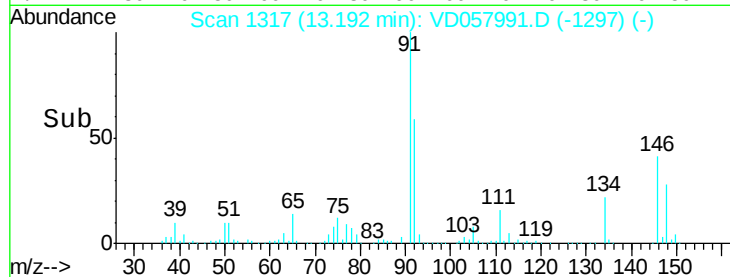
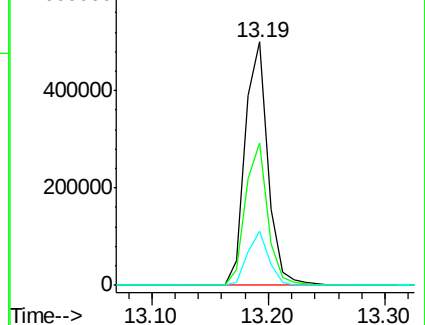
134 22.2 11.3 33.9



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: 20.176 ug/l

RT: 13.40 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD057991.D

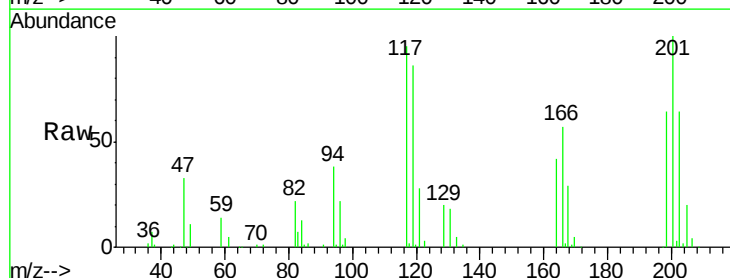
Acq: 8 Jun 2018 2:12

Tgt Ion: 117 Resp: 159418

Ion Ratio Lower Upper

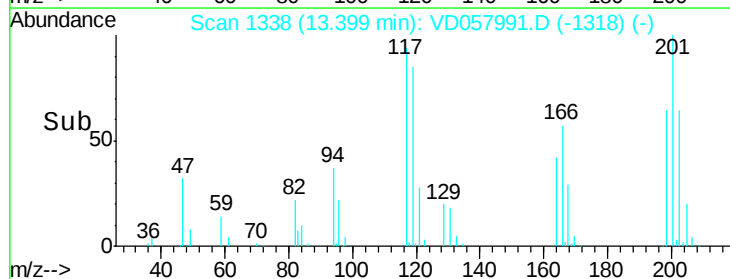
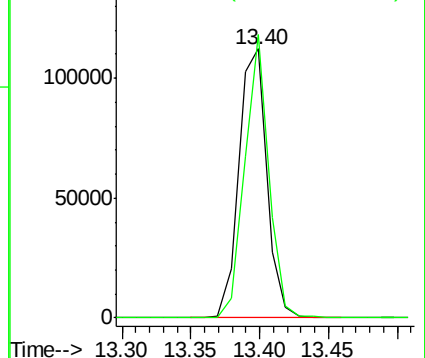
117 100

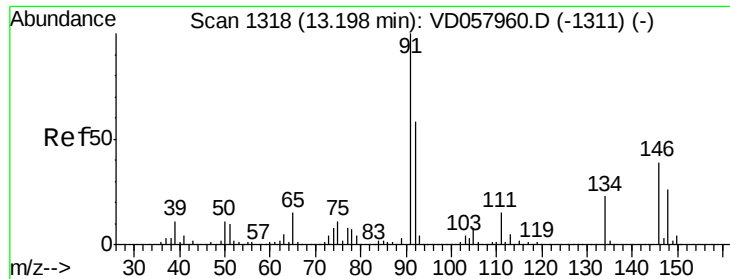
201 105.1 55.4 166.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

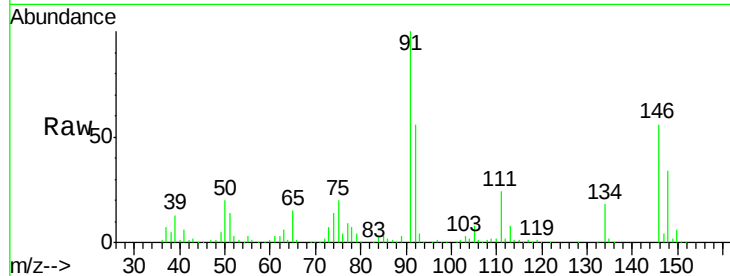




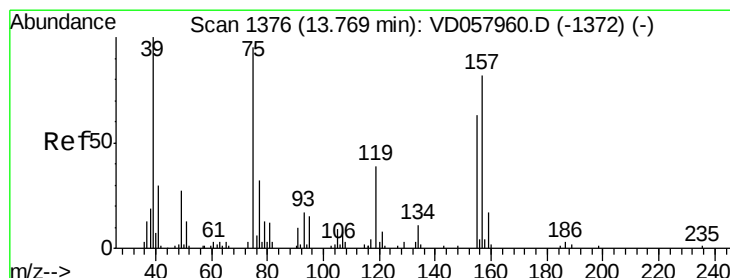
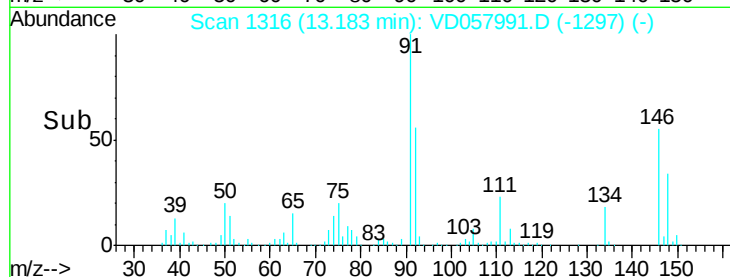
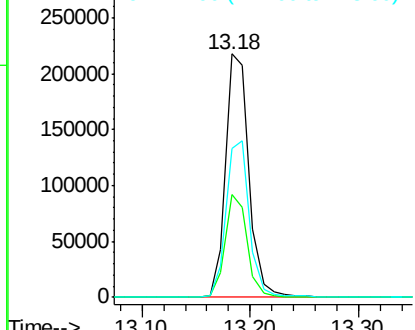
#91
 1,2-Dichlorobenzene
 Concen: 22.383 ug/l
 RT: 13.18 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBSD02

Tgt Ion:146 Resp: 327337
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.4 58.2
 148 60.9 32.6 98.0

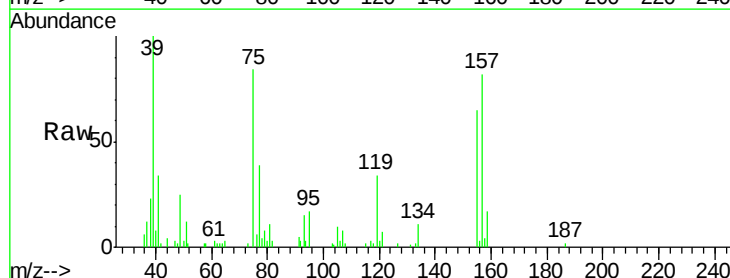


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

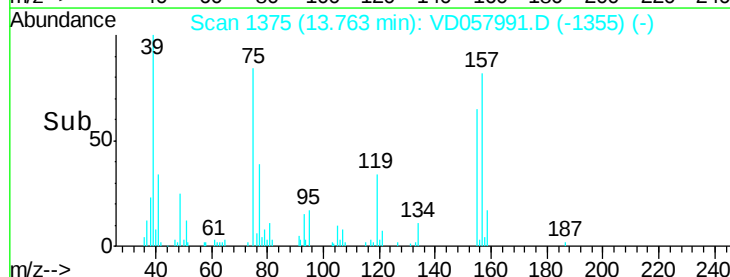
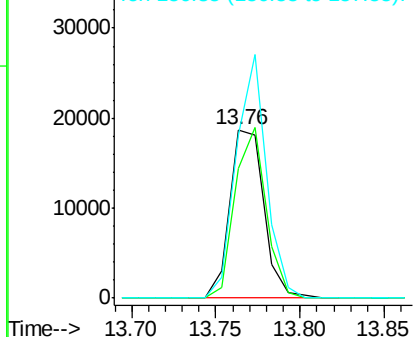


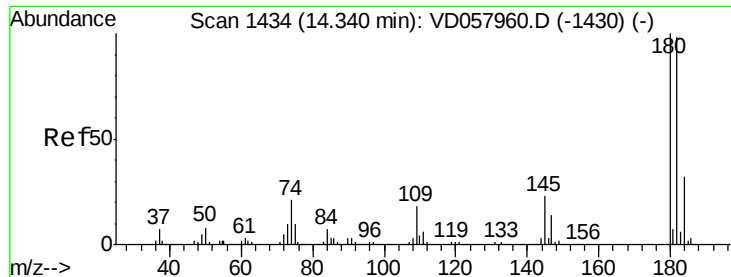
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.608 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion: 75 Resp: 26278
 Ion Ratio Lower Upper
 75 100
 155 77.0 33.4 100.1
 157 96.7 42.9 128.5



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

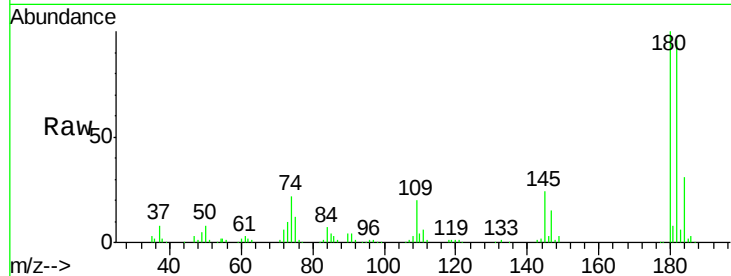




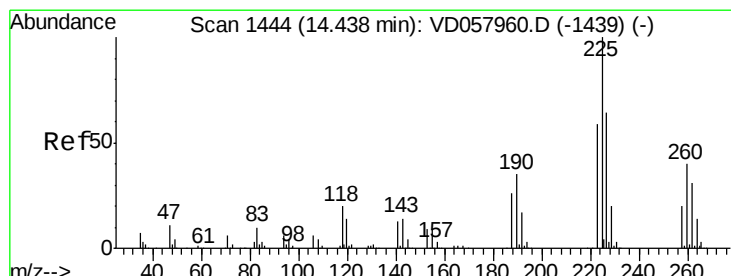
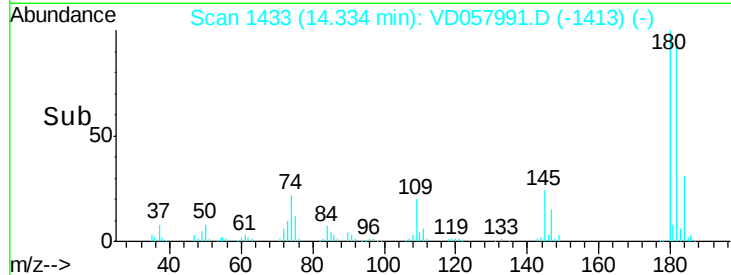
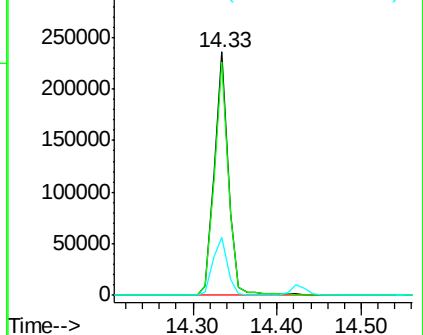
#93
 1,2,4-Trichlorobenzene
 Concen: 20.120 ug/l
 RT: 14.33 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0607SBS02

Tgt Ion:180 Resp: 274897
 Ion Ratio Lower Upper
 180 100
 182 95.9 49.0 147.2
 145 23.6 11.8 35.3

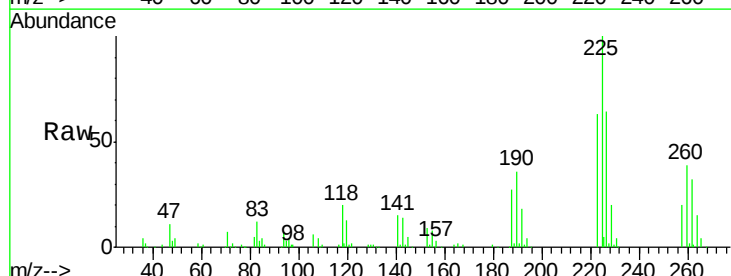


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

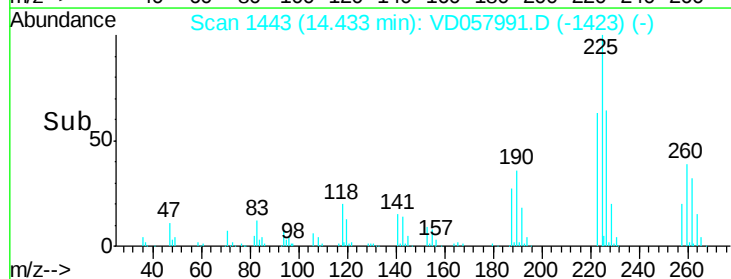
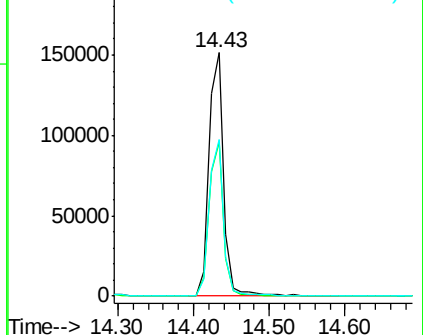


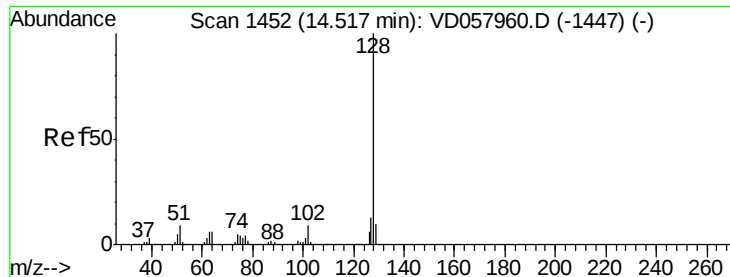
#94
 Hexachlorobutadiene
 Concen: 19.206 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD057991.D
 Acq: 8 Jun 2018 2:12

Tgt Ion:225 Resp: 206407
 Ion Ratio Lower Upper
 225 100
 223 63.1 29.5 88.6
 227 64.1 32.0 96.0



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

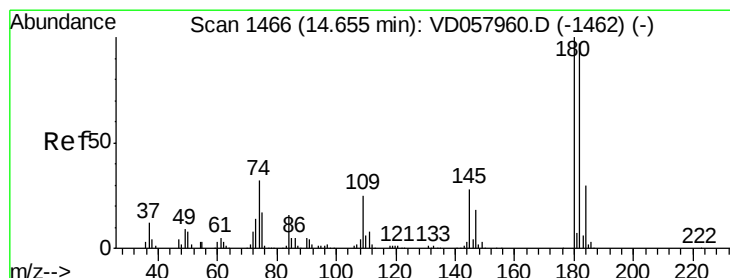
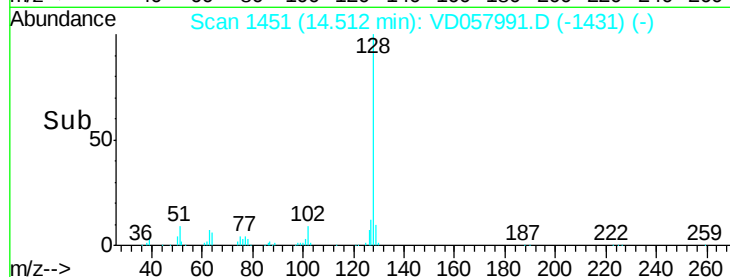
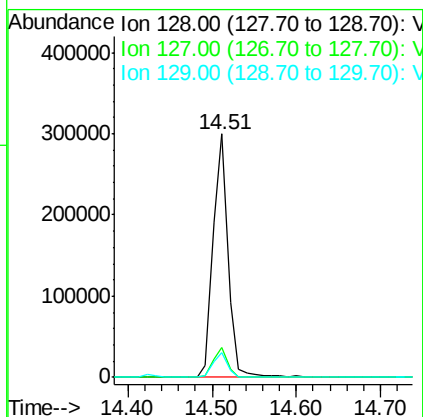
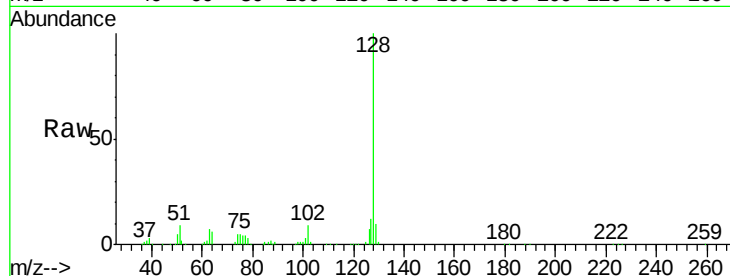




#95
Naphthalene
Concen: 21.085 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Instrument :
MSVOA_D
ClientSampleId :
VD0607SBSD02

Tgt Ion:128 Resp: 371438
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 10.1 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 20.533 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. 0.00 min
Lab File: VD057991.D
Acq: 8 Jun 2018 2:12

Tgt Ion:180 Resp: 239082
Ion Ratio Lower Upper
180 100
182 96.8 48.5 145.5
145 21.6 14.2 42.8

