

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060542.D
 Acq On : 12 Dec 2018 12:56
 Operator : VA/AP
 Sample : VD1212SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Quant Time: Dec 13 00:18:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1559333	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2141162	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1721542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	916110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	597619	54.07	ug/l	0.00
Spiked Amount						
			Recovery	=	108.14%	
35) Dibromofluoromethane	6.32	113	849868	54.04	ug/l	0.00
Spiked Amount						
			Recovery	=	108.08%	
50) Toluene-d8	9.45	98	2475625	54.40	ug/l	0.00
Spiked Amount						
			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.42	95	865158	53.13	ug/l	0.00
Spiked Amount						
			Recovery	=	106.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	428589	25.689	ug/l	100
3) Chloromethane	1.78	50	366811	22.895	ug/l	98
4) Vinyl Chloride	1.87	62	301508	23.580	ug/l	99
5) Bromomethane	2.16	94	53060	16.587	ug/l	98
6) Chloroethane	2.27	64	72675	16.467	ug/l	100
7) Trichlorofluoromethane	2.53	101	313637	21.243	ug/l	99
8) Diethyl Ether	2.84	74	55541	21.779	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.11	101	212739	22.208	ug/l	99
10) Methyl Iodide	3.25	142	229115	20.461	ug/l	99
11) Tert butyl alcohol	3.98	59	50510	112.487	ug/l #	94
12) 1,1-Dichloroethene	3.09	96	172017	22.070	ug/l	95
13) Acrolein	3.00	56	43662	88.989	ug/l	98
14) Allyl chloride	3.55	41	328499	22.214	ug/l	98
15) Acrylonitrile	4.10	53	278870	109.377	ug/l	95
16) Acetone	3.17	43	172470	97.351	ug/l	98
17) Carbon Disulfide	3.32	76	549219	21.694	ug/l	99
18) Methyl Acetate	3.57	43	93915	22.305	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	481382	22.272	ug/l	99
20) Methylene Chloride	3.73	84	390209	21.432	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	367610	21.683	ug/l	96
22) Diisopropyl ether	4.86	45	1162542	21.896	ug/l	96
23) Vinyl Acetate	4.81	43	2862511	108.818	ug/l	99
24) 1,1-Dichloroethane	4.76	63	595956	21.607	ug/l	99
25) 2-Butanone	5.62	43	360865	103.533	ug/l	99
26) 2,2-Dichloropropane	5.60	77	479971	22.526	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	373600	21.673	ug/l	93
28) Bromochloromethane	5.93	49	235782	19.297	ug/l	99
29) Tetrahydrofuran	5.96	42	214231	108.539	ug/l	99
30) Chloroform	6.11	83	614303	22.107	ug/l	97
31) Cyclohexane	6.37	56	582008	22.575	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	505262	22.118	ug/l	99
36) 1,1-Dichloropropene	6.53	75	465940	22.262	ug/l	98
37) Ethyl Acetate	5.70	43	204800	22.563	ug/l #	99
38) Carbon Tetrachloride	6.50	117	415014	22.088	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060542.D
 Acq On : 12 Dec 2018 12:56
 Operator : VA/AP
 Sample : VD1212SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBSD01

Quant Time: Dec 13 00:18:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	528022	22.131	ug/l	99
40) Benzene	6.80	78	1198175	22.400	ug/l	100
41) Methacrylonitrile	5.95	41	228440	46.687	ug/l #	68
42) 1,2-Dichloroethane	6.89	62	301482	22.168	ug/l	98
43) Isopropyl Acetate	8.35	43	247758	22.112	ug/l #	99
44) Trichloroethene	7.74	130	355773	22.256	ug/l	97
45) 1,2-Dichloropropane	8.09	63	297935	22.521	ug/l	99
46) Dibromomethane	8.21	93	168094	21.992	ug/l	94
47) Bromodichloromethane	8.49	83	404894	22.326	ug/l	99
48) Methyl methacrylate	8.24	41	155003	23.380	ug/l	97
49) 1,4-Dioxane	8.22	88	28816	479.570	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	773260	110.945	ug/l	99
52) Toluene	9.54	92	728814	21.800	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	335278	22.499	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	438416	22.392	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	203440	21.851	ug/l	97
56) Ethyl methacrylate	10.02	69	189978	22.547	ug/l	97
57) 1,3-Dichloropropane	10.38	76	321792	22.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	574198	113.892	ug/l	99
59) 2-Hexanone	10.49	43	553829	113.683	ug/l	97
60) Dibromochloromethane	10.63	129	256053	21.997	ug/l	97
61) 1,2-Dibromoethane	10.75	107	201929	21.282	ug/l	97
64) Tetrachloroethene	10.25	164	324056	21.258	ug/l	99
65) Chlorobenzene	11.31	112	809031	22.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	261149	22.247	ug/l	98
67) Ethyl Benzene	11.42	91	1383658	22.273	ug/l	97
68) m/p-Xylenes	11.56	106	1038409	45.183	ug/l	98
69) o-Xylene	11.93	106	486860	22.229	ug/l	96
70) Styrene	11.95	104	787510	22.401	ug/l	98
71) Bromoform	12.11	173	164184	20.964	ug/l	99
73) Isopropylbenzene	12.28	105	1367997	21.102	ug/l	98
74) N-amyl acetate	12.13	43	315937	20.165	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	213217	20.544	ug/l	94
76) 1,2,3-Trichloropropane	12.59	75	208414	20.078	ug/l	97
77) Bromobenzene	12.53	156	357338	20.970	ug/l	93
78) n-propylbenzene	12.63	91	1735907	21.183	ug/l	98
79) 2-Chlorotoluene	12.70	91	936415	21.058	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1037352	20.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	58279	20.131	ug/l	94
82) 4-Chlorotoluene	12.81	91	1045086	20.925	ug/l	97
83) tert-Butylbenzene	13.04	119	1196777	21.548	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1075625	20.971	ug/l	98
85) sec-Butylbenzene	13.22	105	1461286	21.109	ug/l	94
86) p-Isopropyltoluene	13.34	119	1162074	21.177	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	644943	20.904	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	652176	21.547	ug/l	97
89) n-Butylbenzene	13.65	91	1289020	21.190	ug/l	98
90) Hexachloroethane	13.85	117	276348	20.085	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	551923	21.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	24873	19.779	ug/l	68

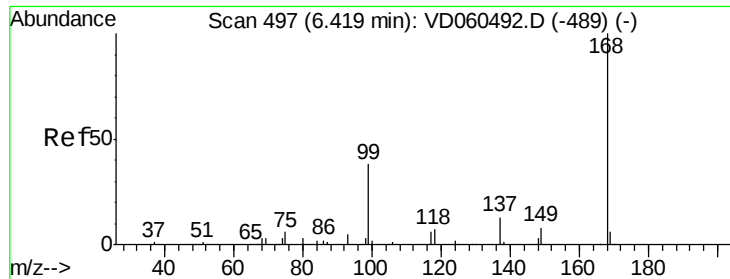
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121218\
Data File : VD060542.D
Acq On : 12 Dec 2018 12:56
Operator : VA/AP
Sample : VD1212SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

Quant Time: Dec 13 00:18:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	415373	21.074	ug/l	100
94) Hexachlorobutadiene	14.88	225	307681	21.158	ug/l	98
95) Naphthalene	14.96	128	478403	20.402	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	317023	20.186	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

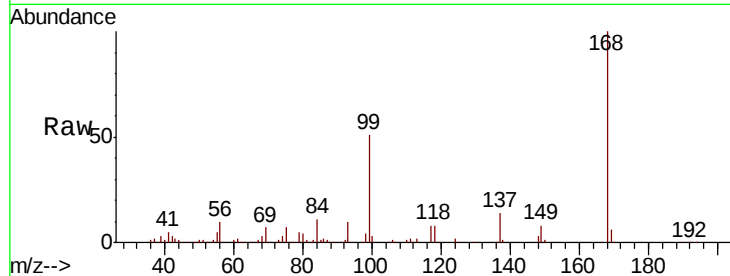
VD1212SBS01

Tot Ion:168 Resp: 1559333

Ion Ratio Lower Upper

168 100

99 51.4 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

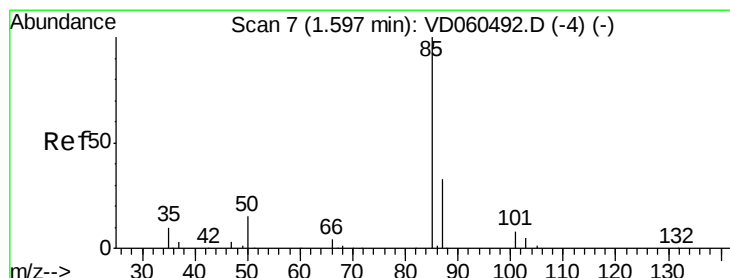
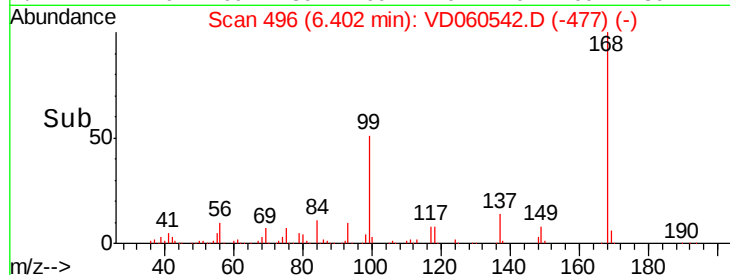
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.689 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060542.D

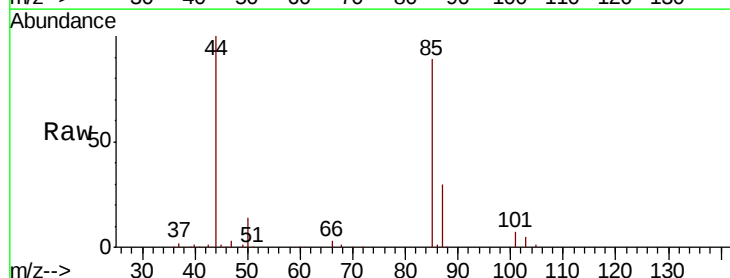
Acq: 12 Dec 2018 12:56

Tgt Ion: 85 Resp: 428589

Ion Ratio Lower Upper

85 100

87 33.4 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

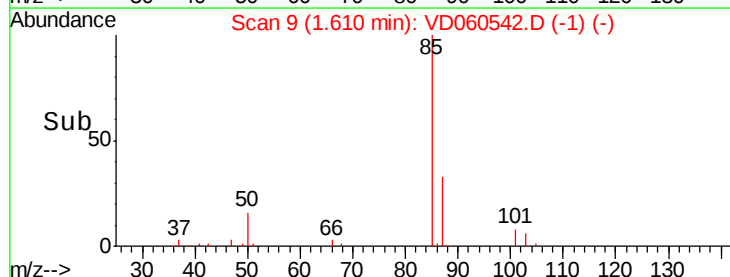
150000

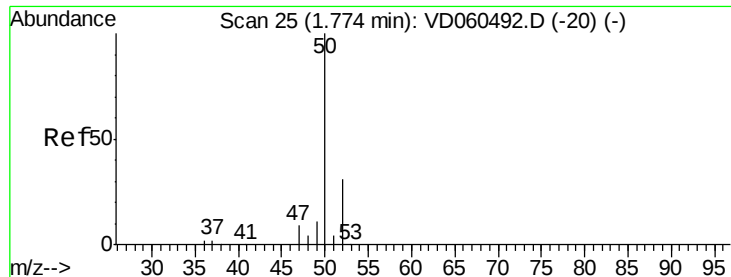
100000

50000

0

Time-->





#3

Chloromethane

Concen: 22.895 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

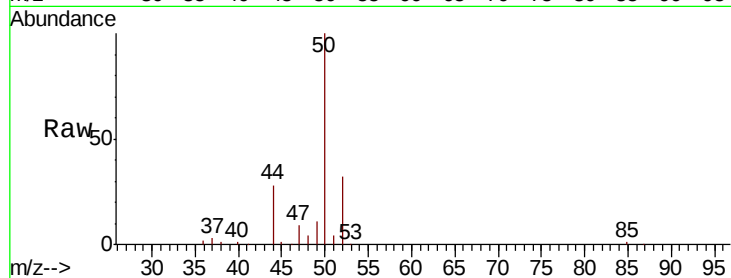
VD1212SBS01

Tot Ion: 50 Resp: 366811

Ion Ratio Lower Upper

50 100

52 32.2 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

150000

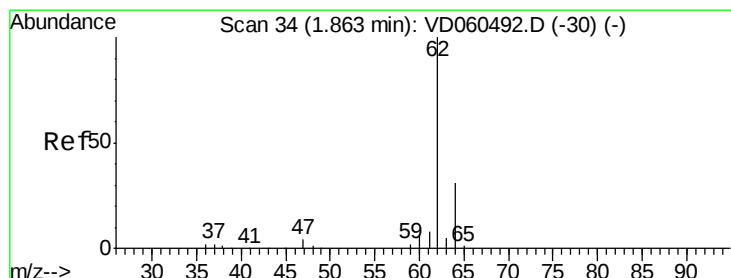
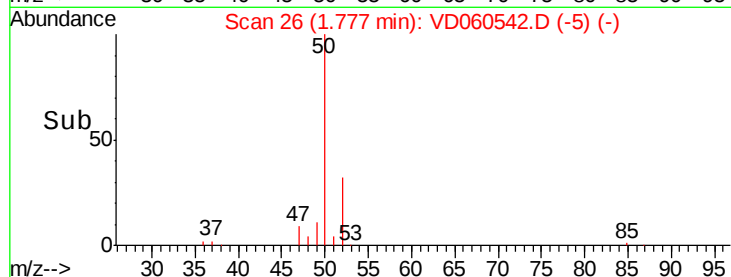
100000

50000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 23.580 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060542.D

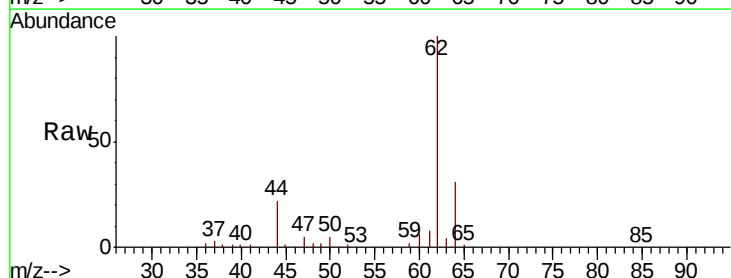
Acq: 12 Dec 2018 12:56

Tgt Ion: 62 Resp: 301508

Ion Ratio Lower Upper

62 100

64 31.3 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

150000

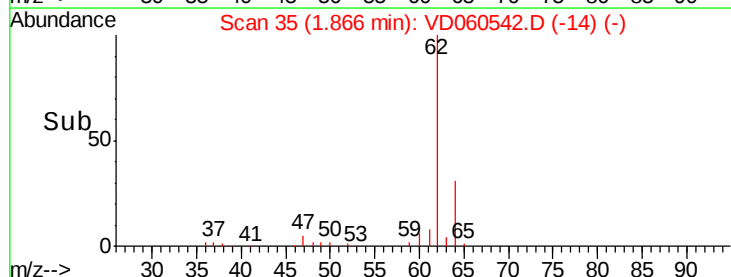
100000

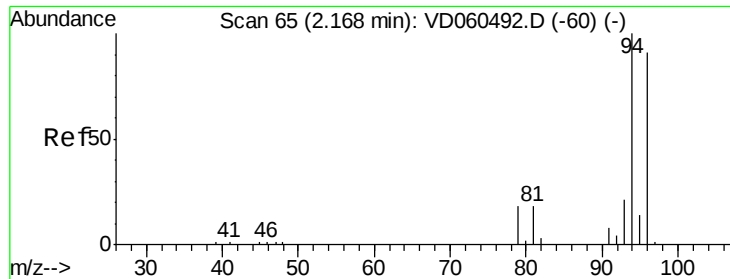
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 16.587 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

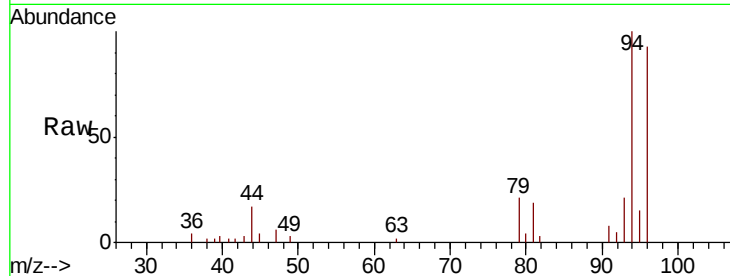
VD1212SBS01

Tot Ion: 94 Resp: 53060

Ion Ratio Lower Upper

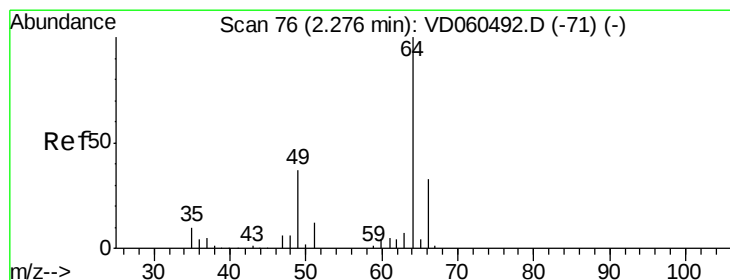
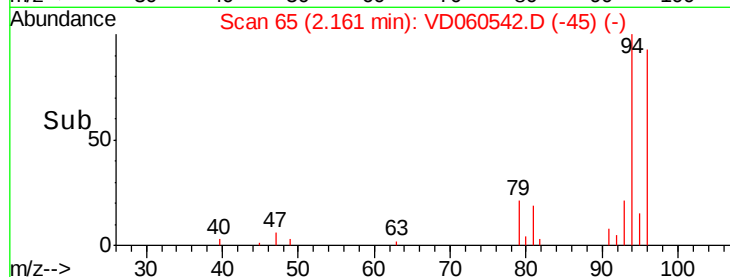
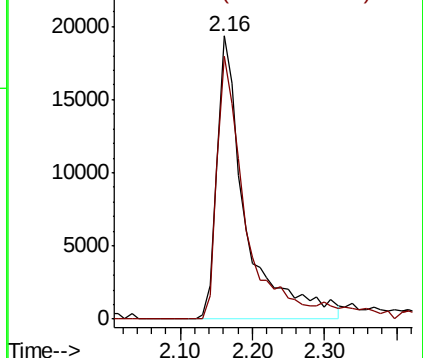
94 100

96 92.8 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.467 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060542.D

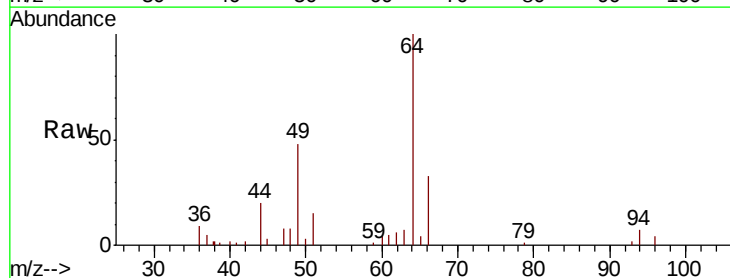
Acq: 12 Dec 2018 12:56

Tgt Ion: 64 Resp: 72675

Ion Ratio Lower Upper

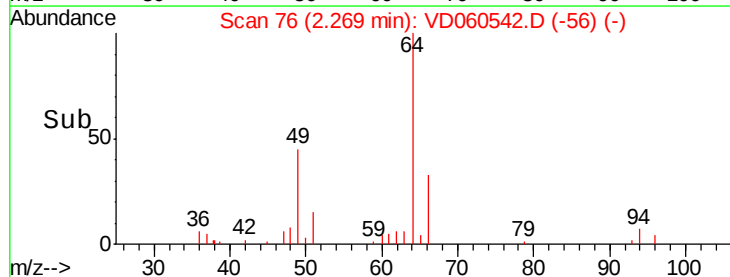
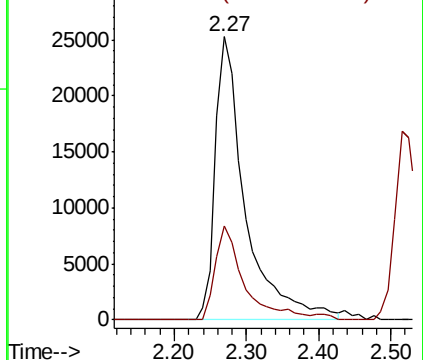
64 100

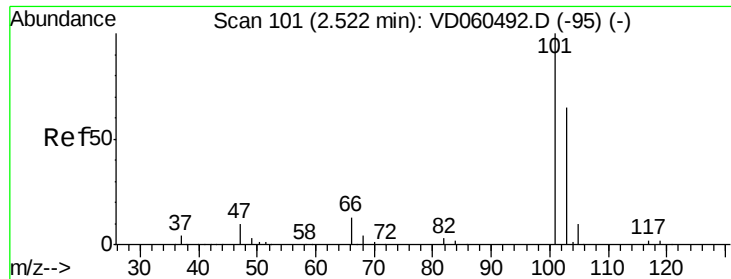
66 33.2 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



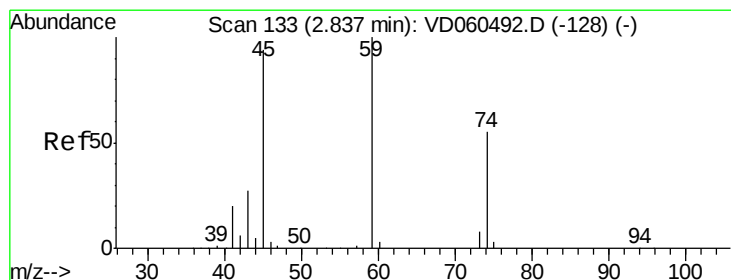
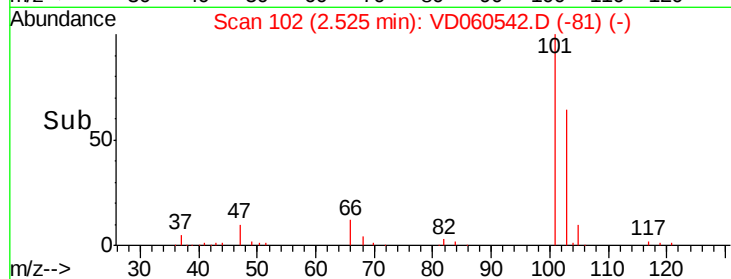
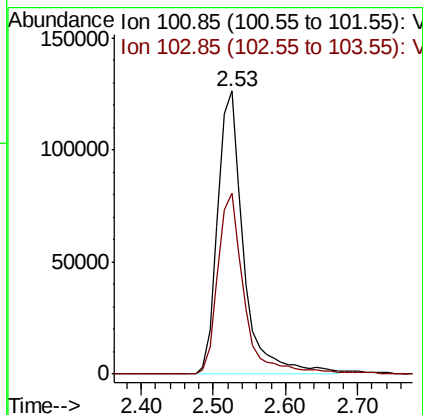
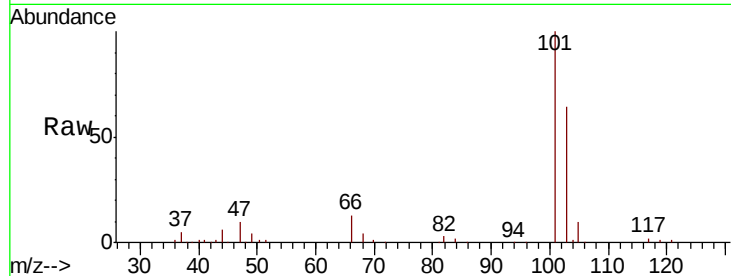


#7

Trichlorofluoromethane
 Concen: 21.243 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBSD01

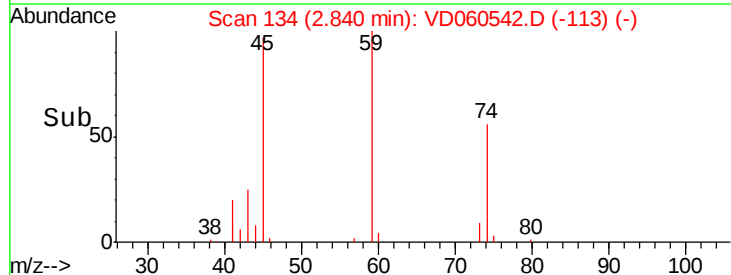
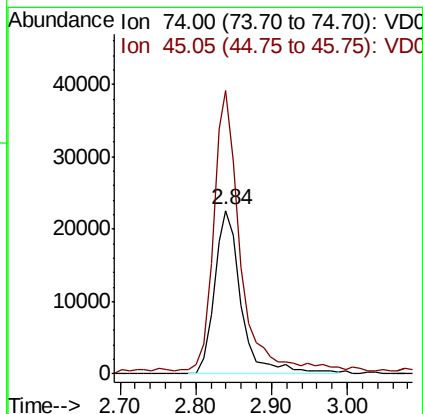
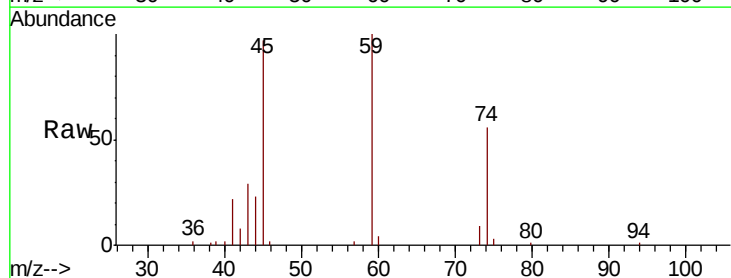
Tot Ion:101 Resp: 313637
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.8

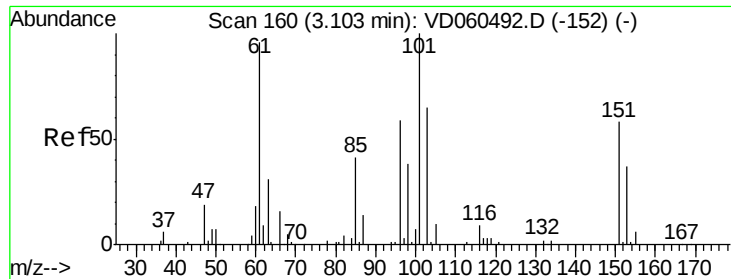


#8

Diethyl Ether
 Concen: 21.779 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 74 Resp: 55541
 Ion Ratio Lower Upper
 74 100
 45 173.4 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.208 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

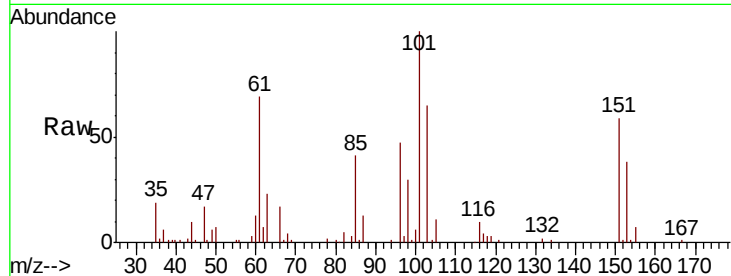
Tot Ion:101 Resp: 212739

Ion Ratio Lower Upper

101 100

85 41.2 32.7 49.1

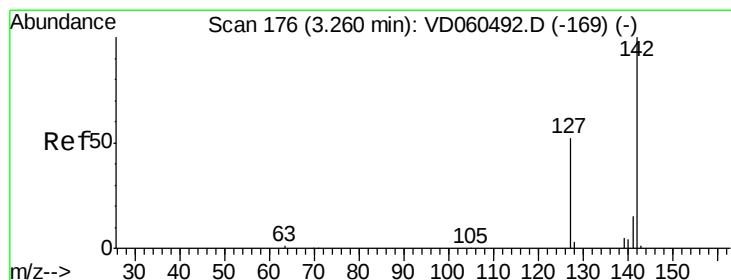
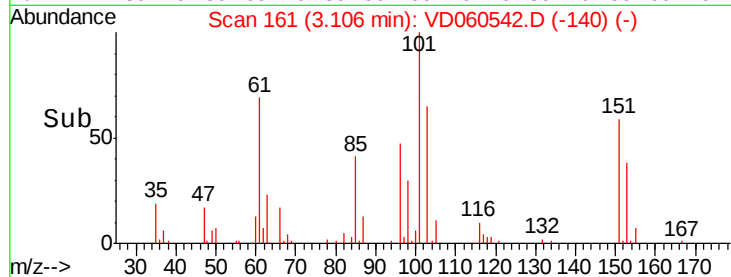
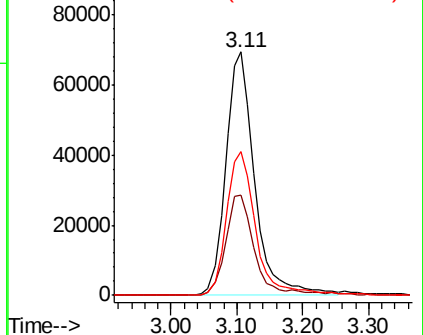
151 59.0 46.6 69.8



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: 20.461 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

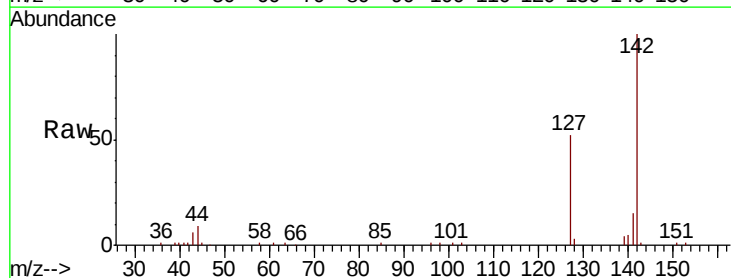
Tgt Ion:142 Resp: 229115

Ion Ratio Lower Upper

142 100

127 51.8 41.2 61.8

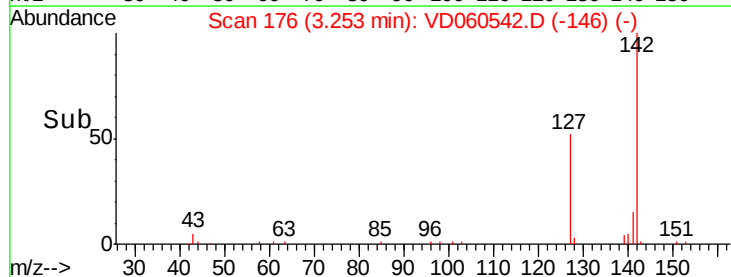
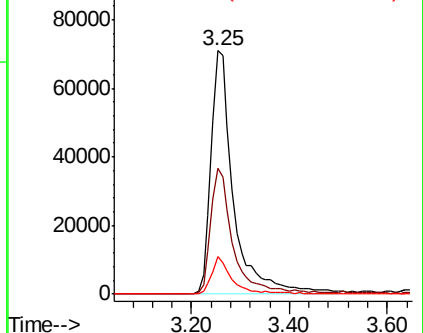
141 15.4 11.9 17.9

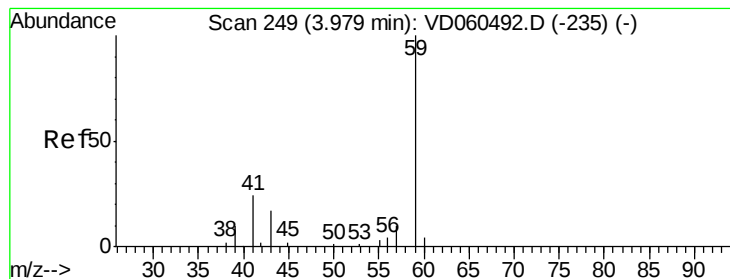


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



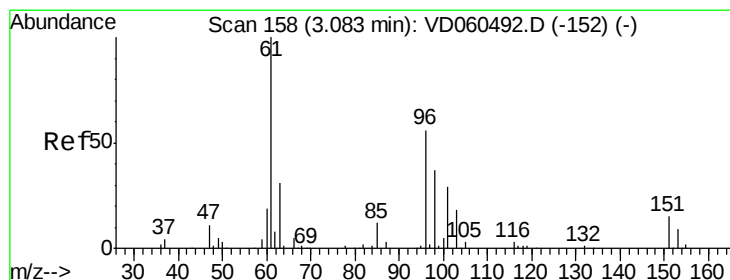
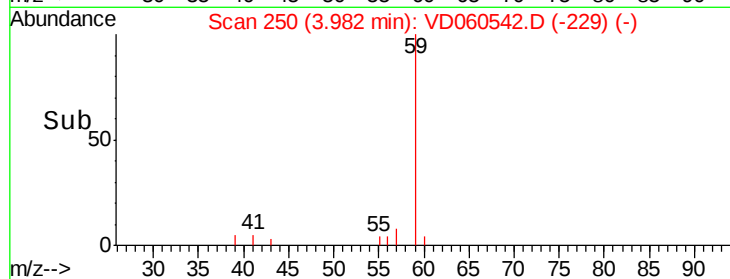
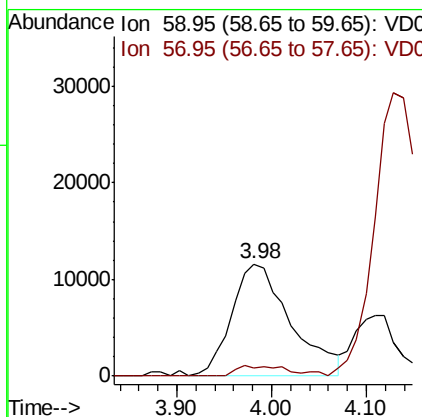
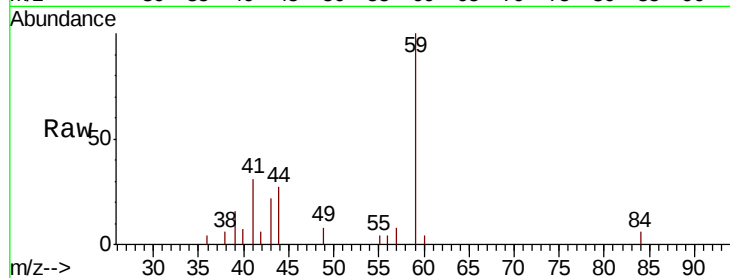


#11

Tert butyl alcohol
Concen: 112.487 ug/l
RT: 3.98 min Scan# 250
Delta R.T. 0.00 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

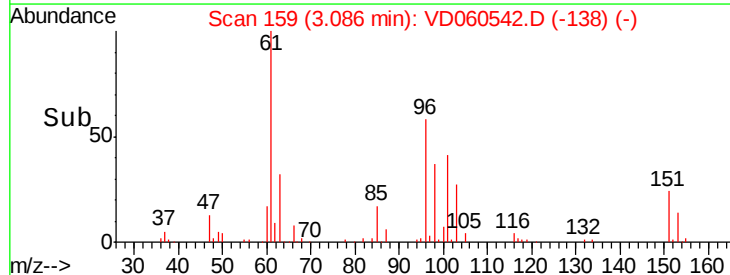
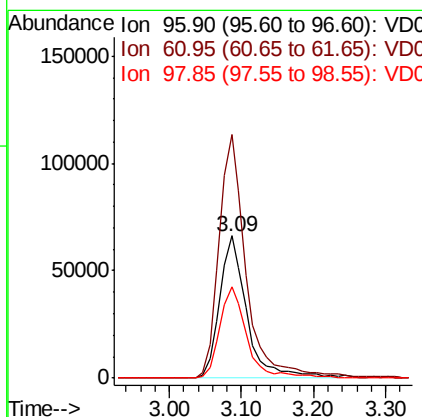
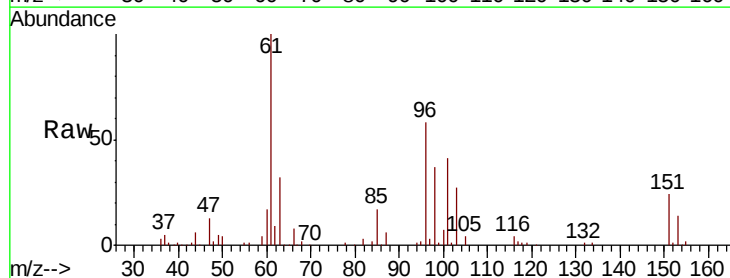
Tot Ion: 59 Resp: 50510
Ion Ratio Lower Upper
59 100
57 7.7 8.1 12.1#

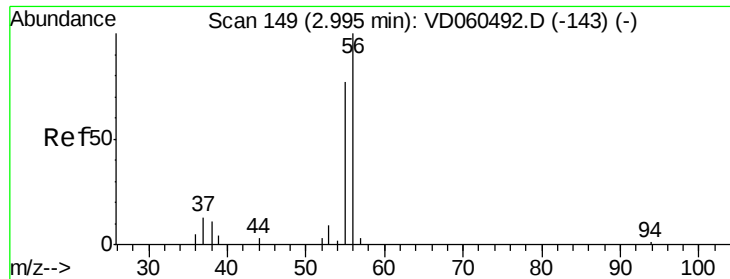


#12

1,1-Dichloroethene
Concen: 22.070 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 96 Resp: 172017
Ion Ratio Lower Upper
96 100
61 171.0 143.0 214.4
98 64.0 53.4 80.0





#13

Acrolein

Concen: 88.989 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

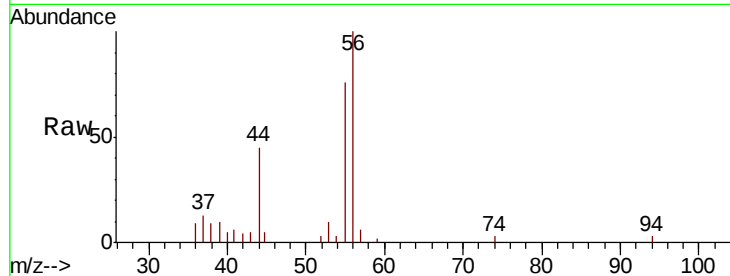
VD1212SBS01

Tot Ion: 56 Resp: 43662

Ion Ratio Lower Upper

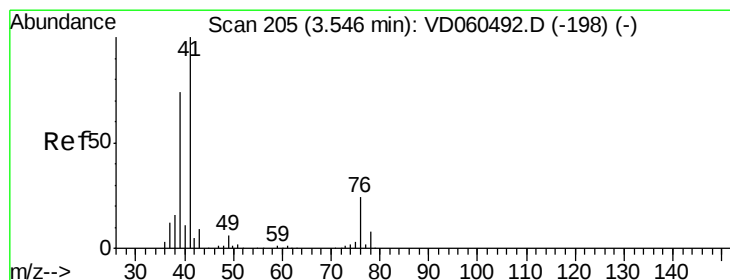
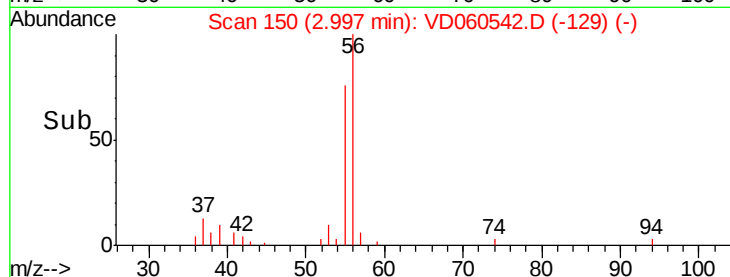
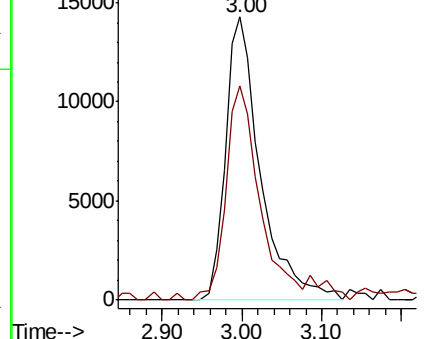
56 100

55 75.7 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.214 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

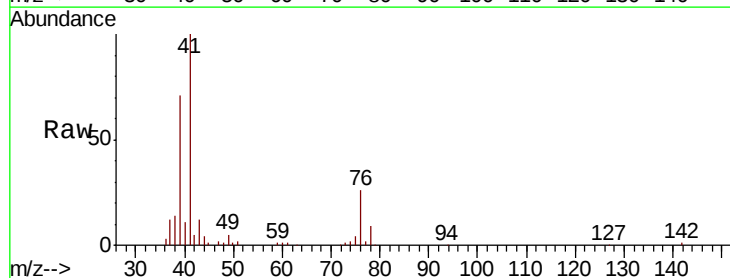
Tgt Ion: 41 Resp: 328499

Ion Ratio Lower Upper

41 100

39 71.4 59.3 88.9

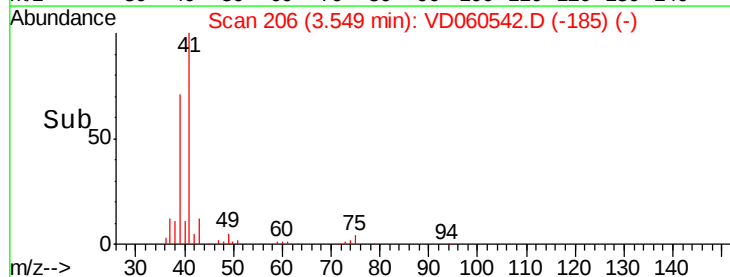
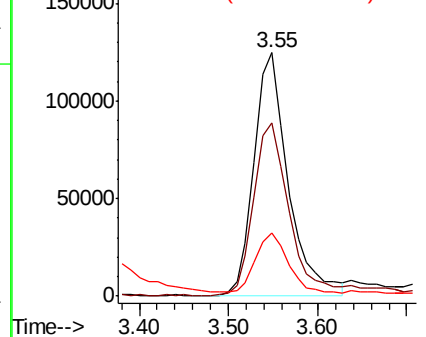
76 26.0 21.0 31.6

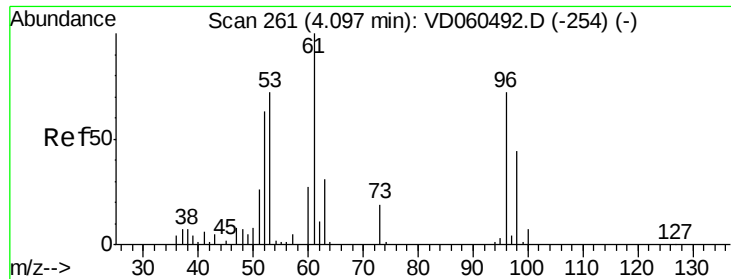


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.377 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

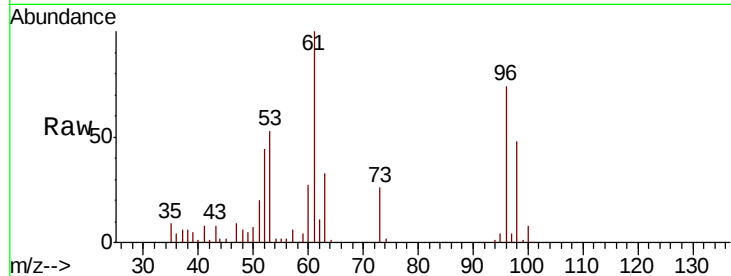
Tot Ion: 53 Resp: 278870

Ion Ratio Lower Upper

53 100

52 83.0 70.0 105.0

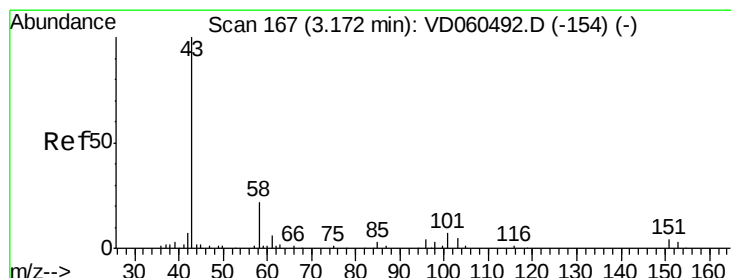
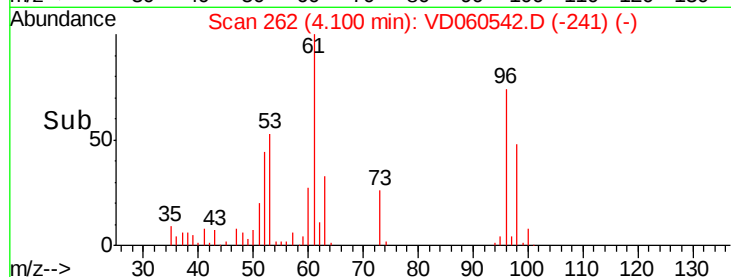
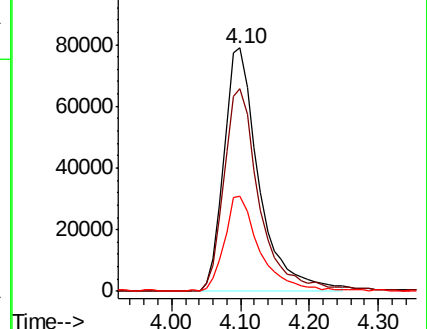
51 38.9 28.8 43.2



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: 97.351 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060542.D

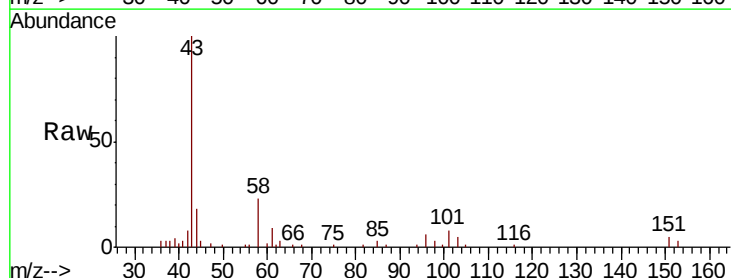
Acq: 12 Dec 2018 12:56

Tgt Ion: 43 Resp: 172470

Ion Ratio Lower Upper

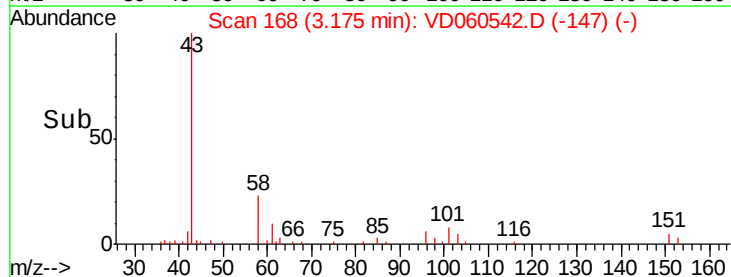
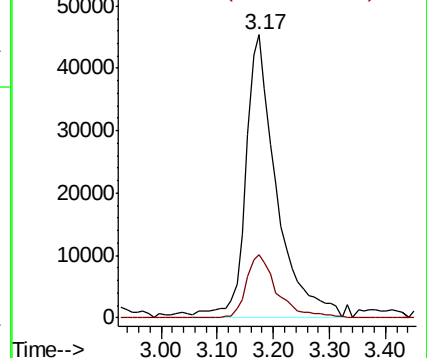
43 100

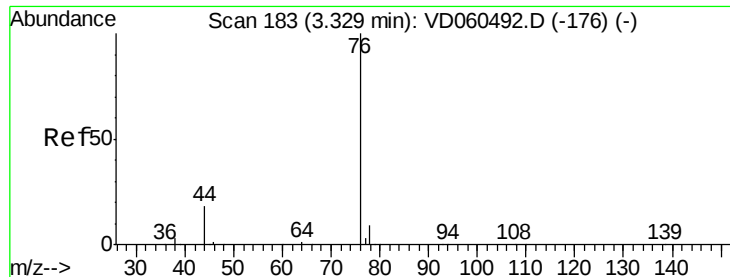
58 22.5 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

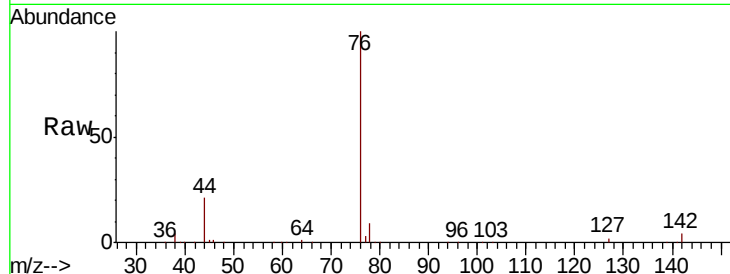




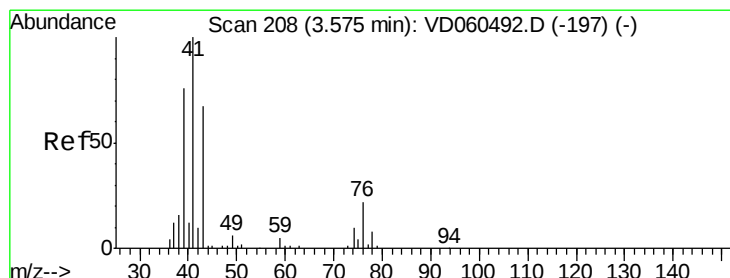
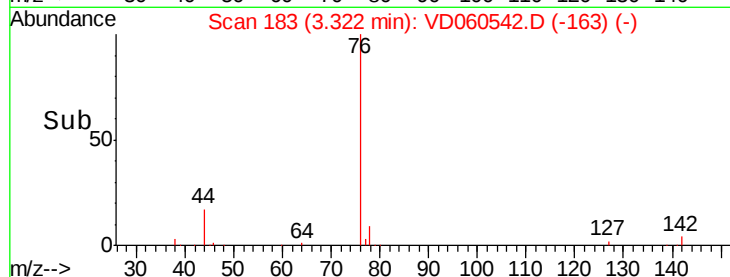
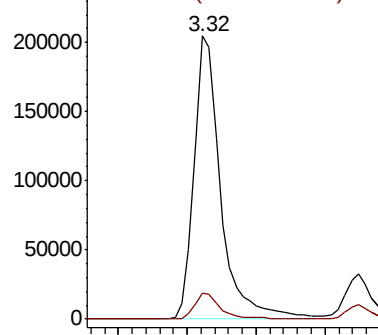
#17
Carbon Disulfide
Concen: 21.694 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

Tot Ion: 76 Resp: 549219
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

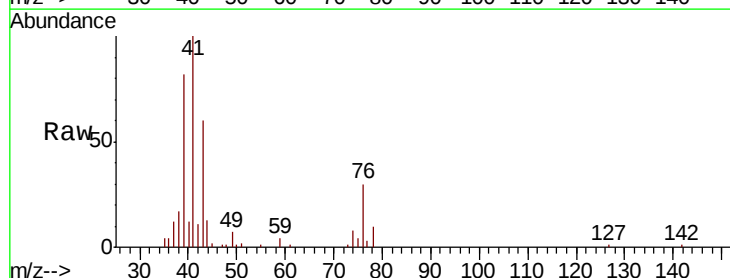


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

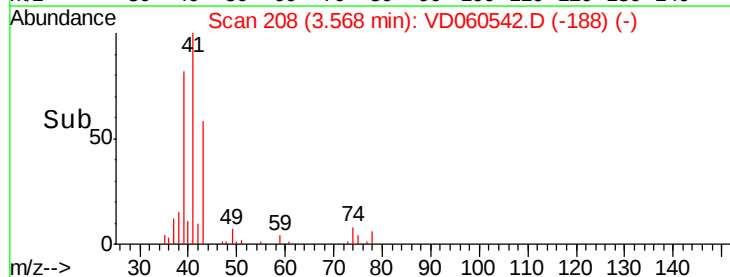
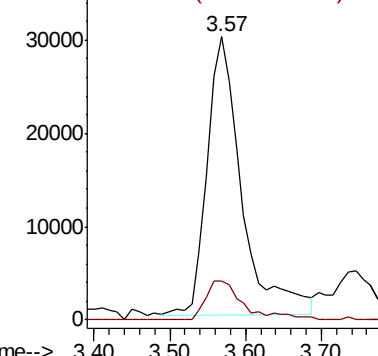


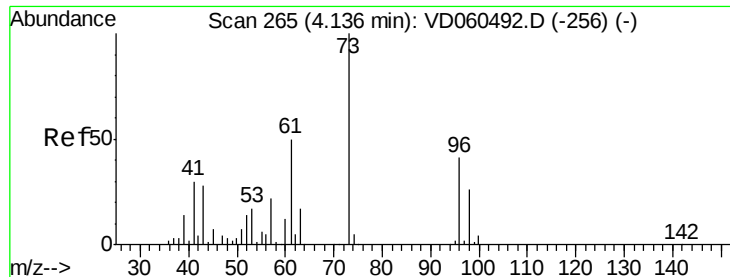
#18
Methyl Acetate
Concen: 22.305 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 43 Resp: 93915
Ion Ratio Lower Upper
43 100
74 13.8 12.0 18.0



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

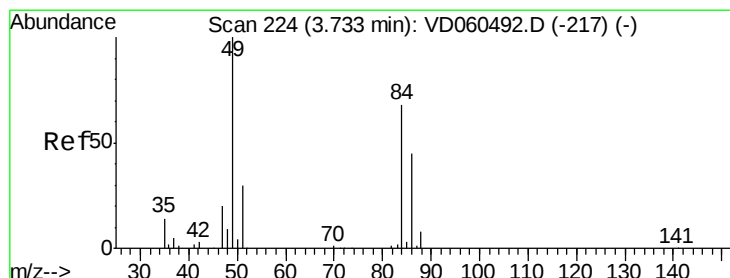
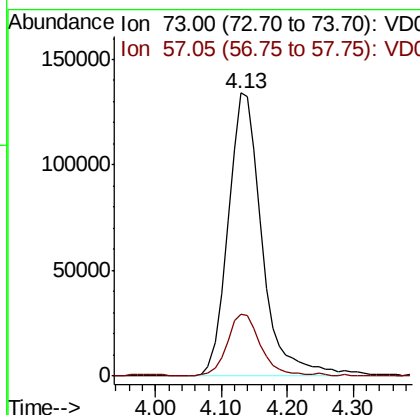
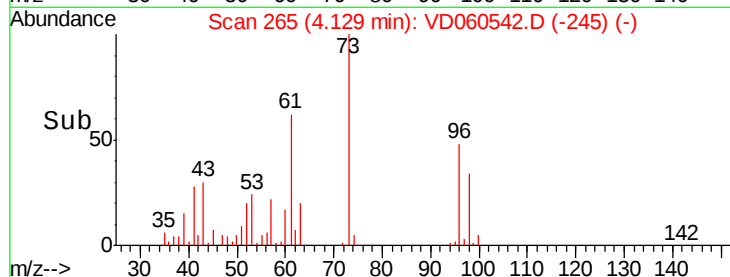
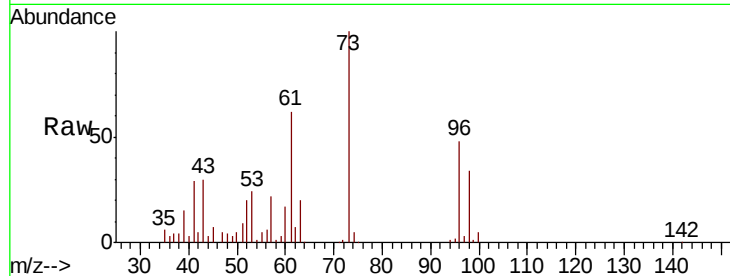




#19
Methvl tert-butvl Ether
Concen: 22.272 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

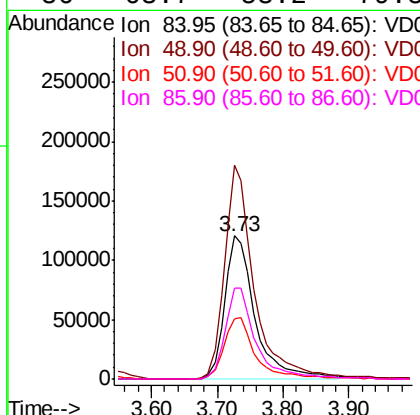
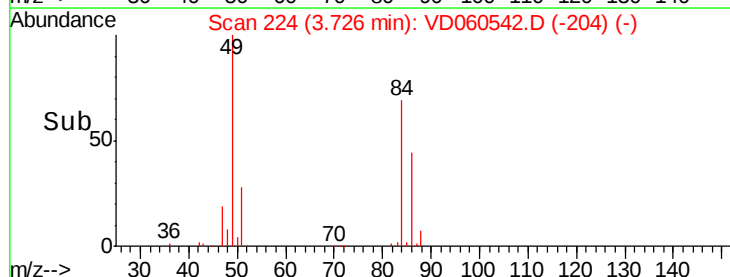
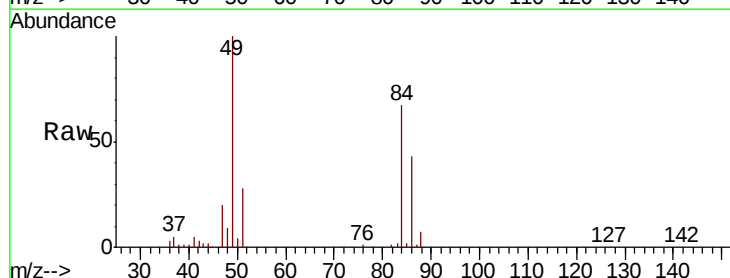
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

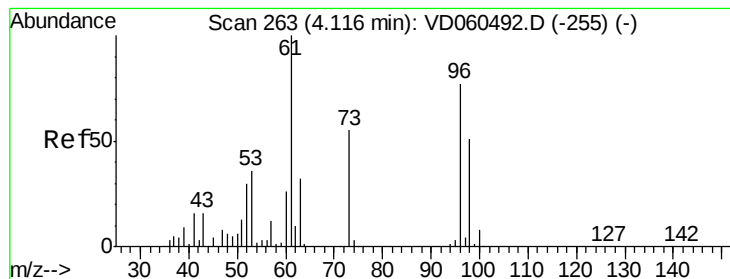
Tot Ion: 73 Resp: 481382
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.6



#20
Methylene Chloride
Concen: 21.432 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 84 Resp: 390209
Ion Ratio Lower Upper
84 100
49 149.1 117.2 175.8
51 42.2 35.3 52.9
86 63.7 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.683 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

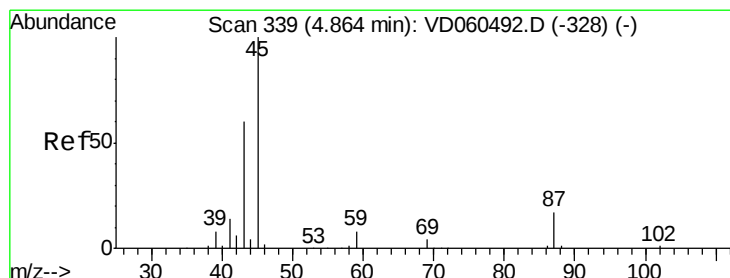
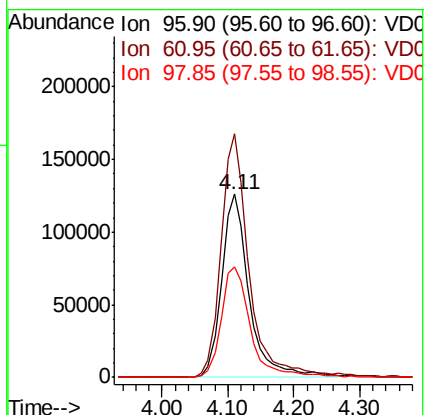
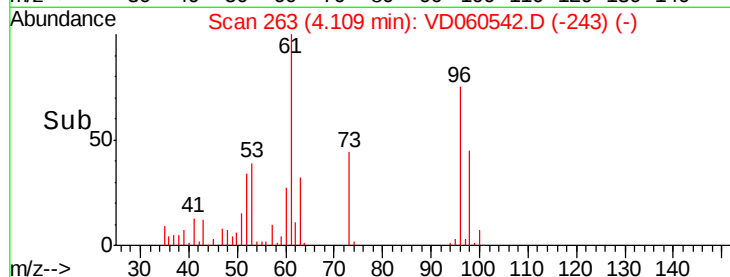
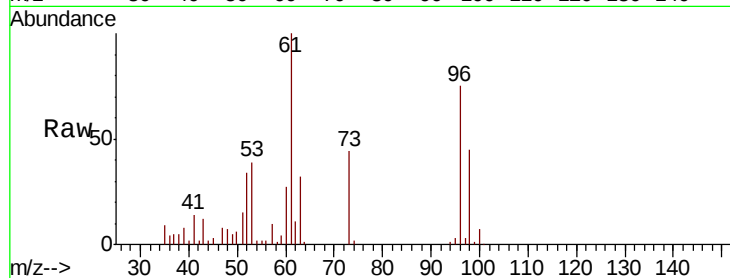
Tot Ion: 96 Resp: 367610

Ion Ratio Lower Upper

96 100

61 132.9 104.2 156.4

98 60.2 52.8 79.2



#22

Diisopropyl ether

Concen: 21.896 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Tgt Ion: 45 Resp: 1162542

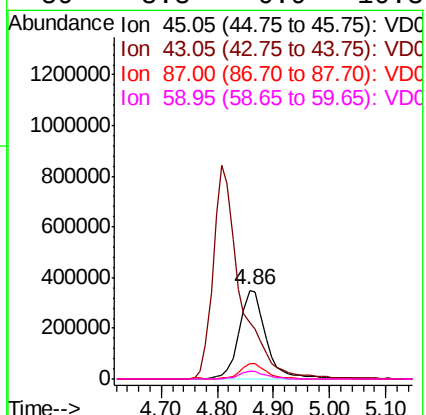
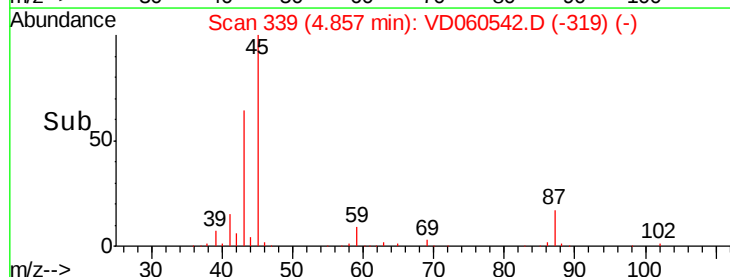
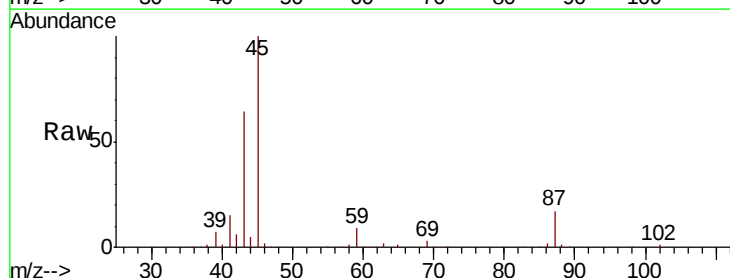
Ion Ratio Lower Upper

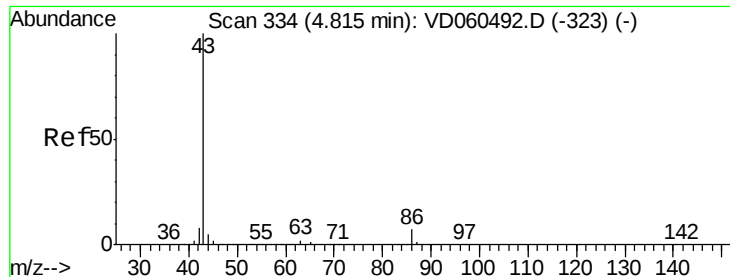
45 100

43 64.4 48.6 73.0

87 16.7 14.0 21.0

59 8.8 6.9 10.3





#23

Vinyl Acetate

Concen: 108.818 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

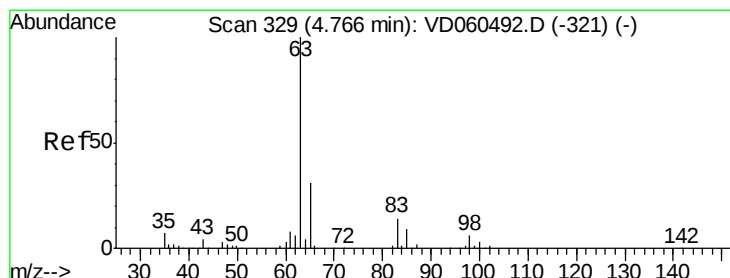
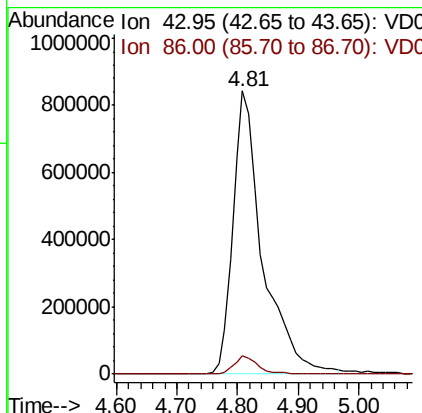
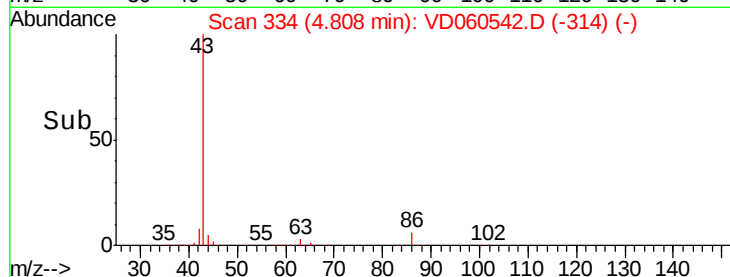
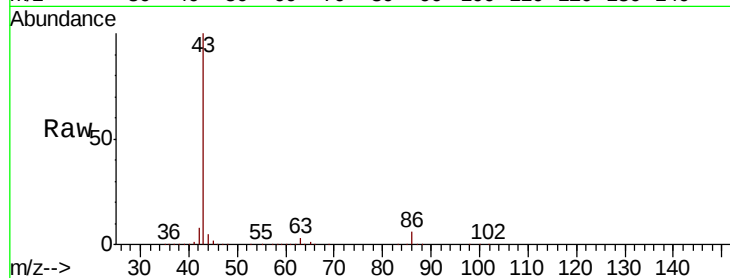
VD1212SBSD01

Tot Ion: 43 Resp: 2862511

Ion Ratio Lower Upper

43 100

86 6.4 5.5 8.3



#24

1,1-Dichloroethane

Concen: 21.607 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

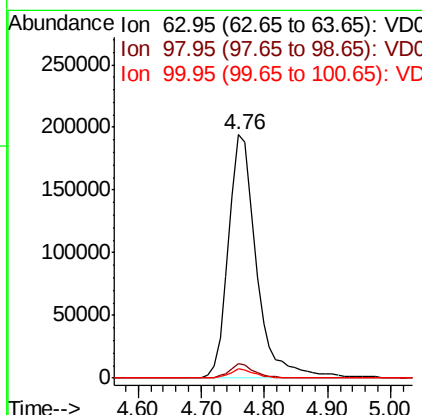
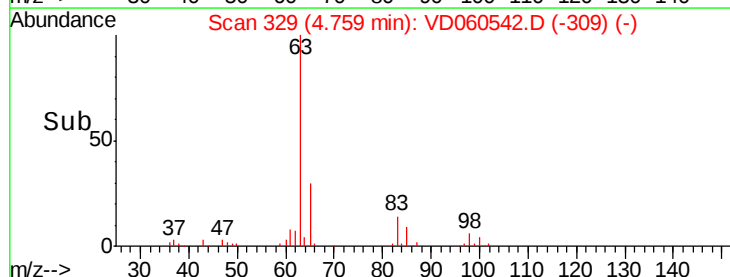
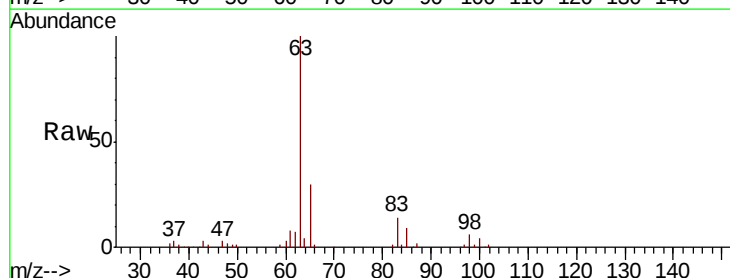
Tgt Ion: 63 Resp: 595956

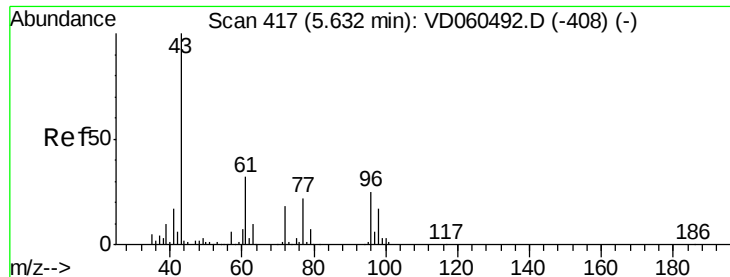
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

100 3.7 1.7 5.1





#25

2-Butanone

Concen: 103.533 ug/l

RT: 5.62 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

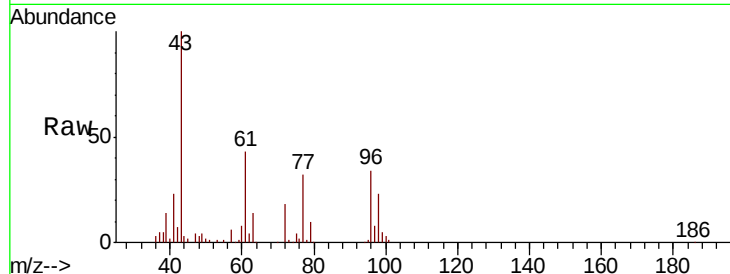
VD1212SBS01

Tot Ion: 43 Resp: 360865

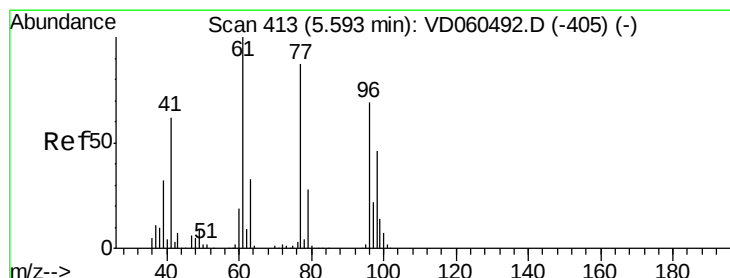
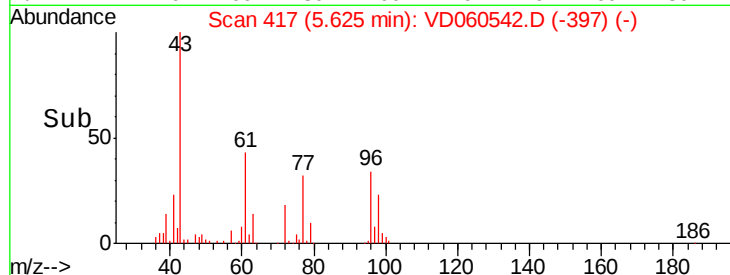
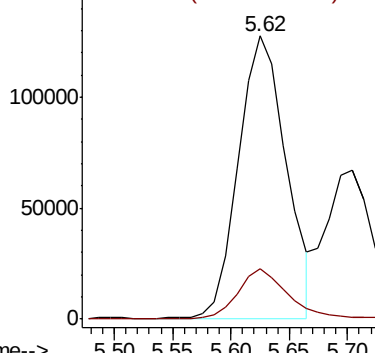
Ion Ratio Lower Upper

43 100

72 17.7 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.526 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060542.D

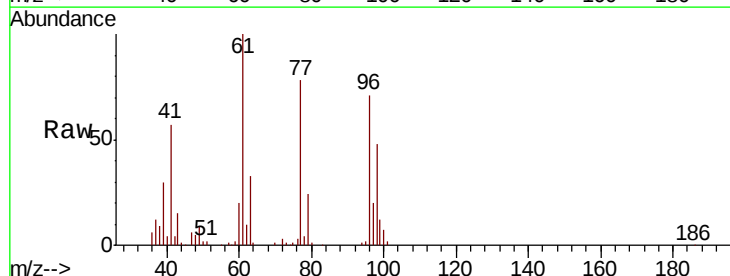
Acq: 12 Dec 2018 12:56

Tgt Ion: 77 Resp: 479971

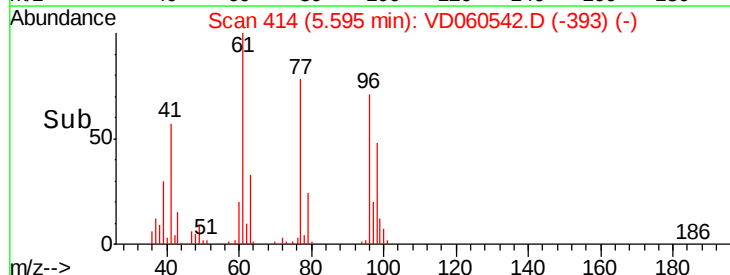
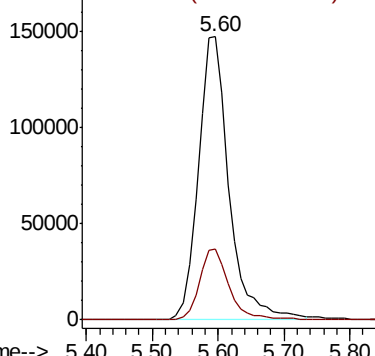
Ion Ratio Lower Upper

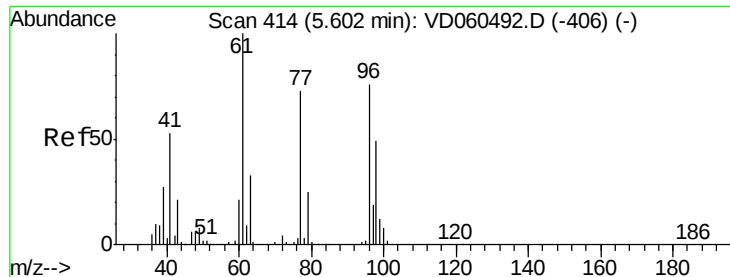
77 100

97 25.0 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



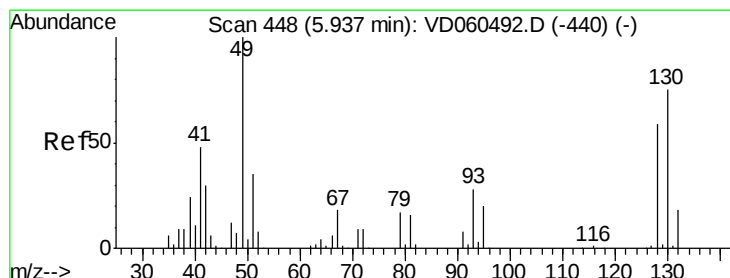
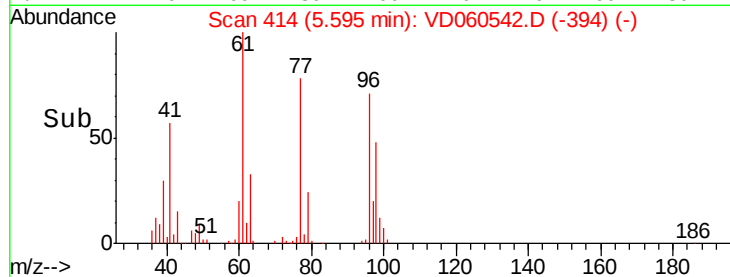
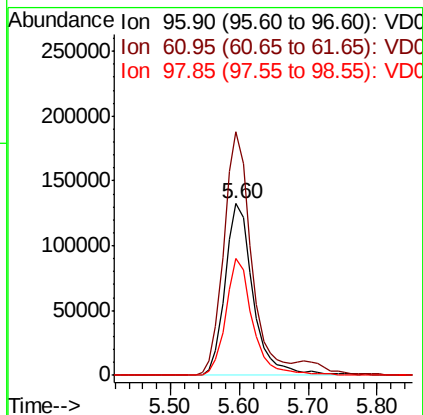
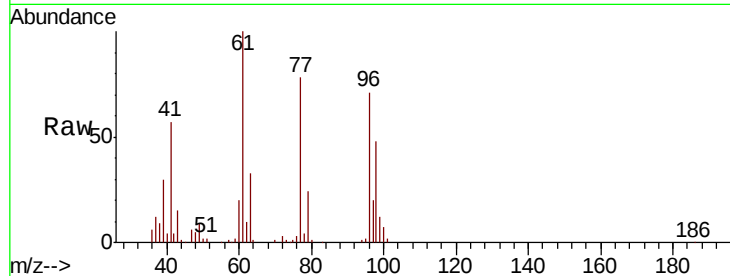


#27

cis-1,2-Dichloroethene
Concen: 21.673 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

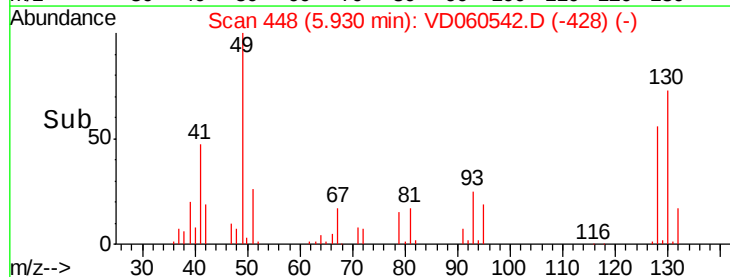
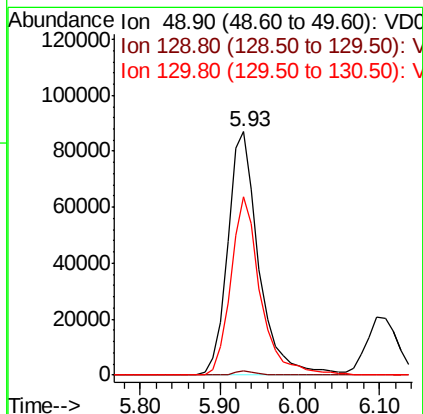
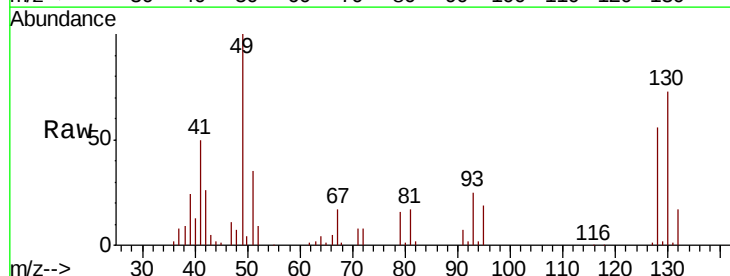
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	263.6
98	68.0	0.0	128.2



#28

Bromochloromethane
Concen: 19.297 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	73.4	59.8	89.6

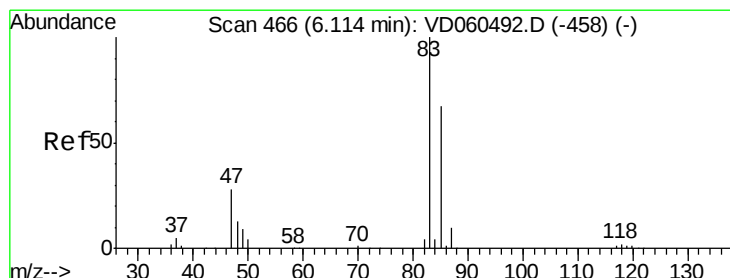
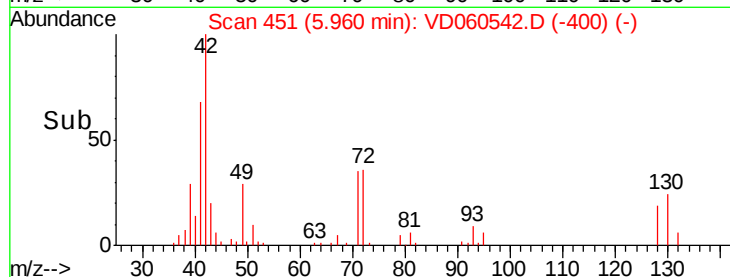
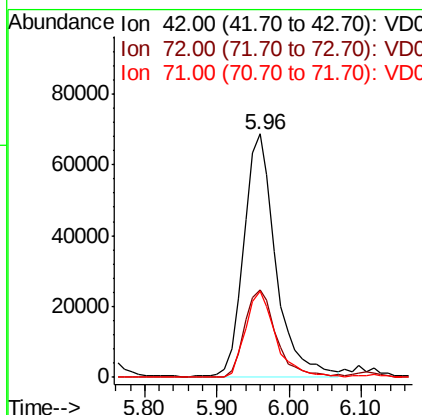
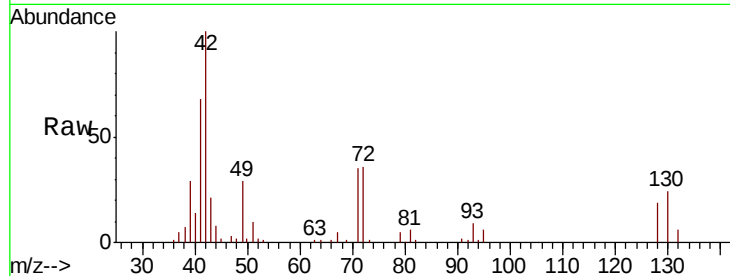




#29
Tetrahydrofuran
Concen: 108.539 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

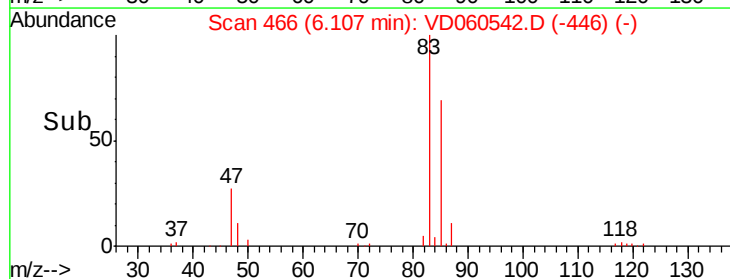
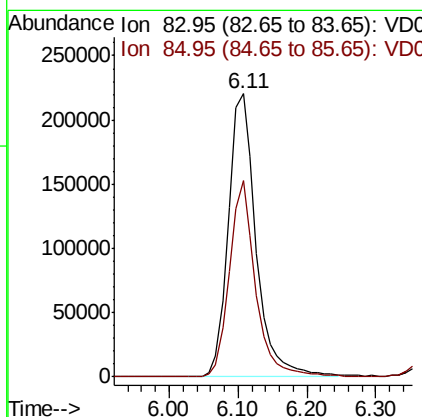
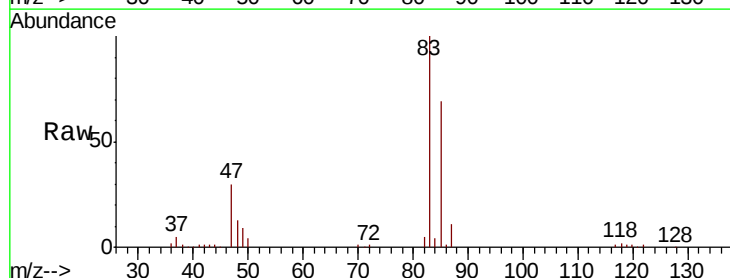
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

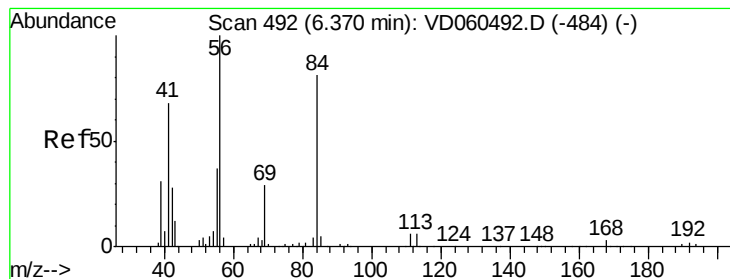
Tot Ion: 42 Resp: 214231
Ion Ratio Lower Upper
42 100
72 35.2 28.0 42.0
71 33.5 27.2 40.8



#30
Chloroform
Concen: 22.107 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 83 Resp: 614303
Ion Ratio Lower Upper
83 100
85 69.2 53.4 80.2





#31

Cvclohexane

Concen: 22.575 ug/l

RT: 6.37 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

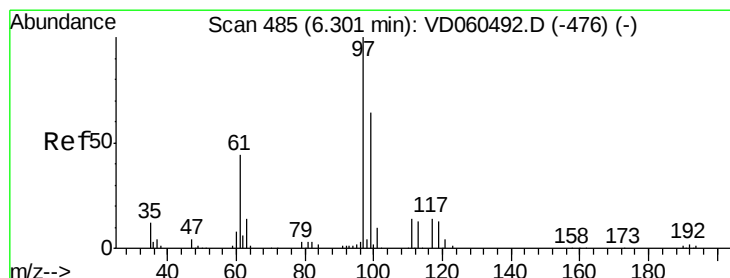
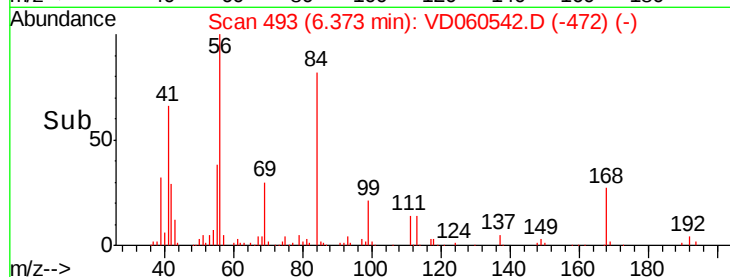
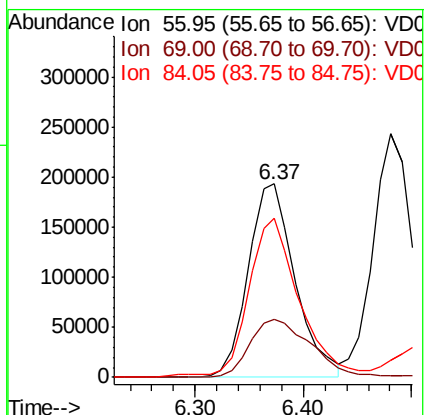
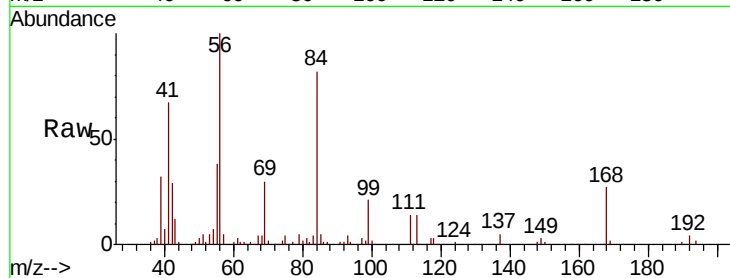
Tot Ion: 56 Resp: 582008

Ion Ratio Lower Upper

56 100

69 30.2 22.8 34.2

84 82.3 65.1 97.7



#32

1,1,1-Trichloroethane

Concen: 22.118 ug/l

RT: 6.29 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

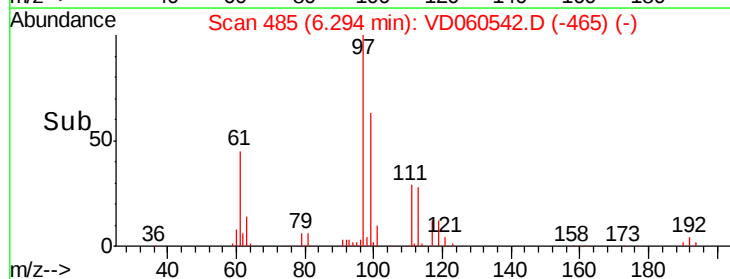
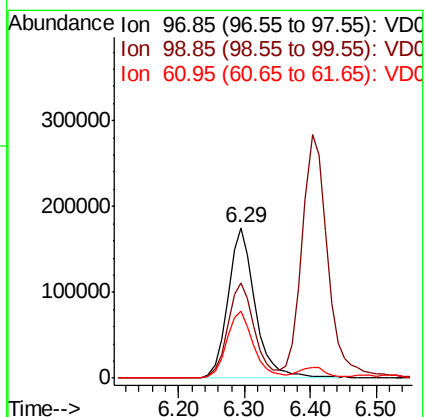
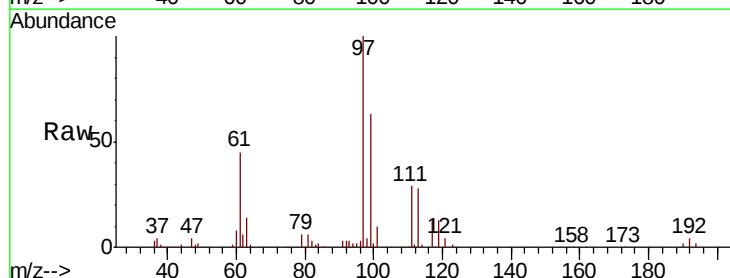
Tgt Ion: 97 Resp: 505262

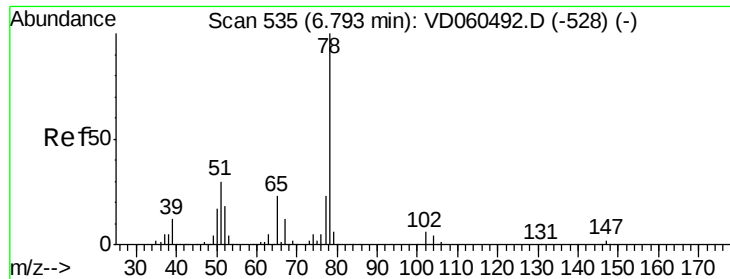
Ion Ratio Lower Upper

97 100

99 62.9 51.0 76.4

61 44.9 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 22.118 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

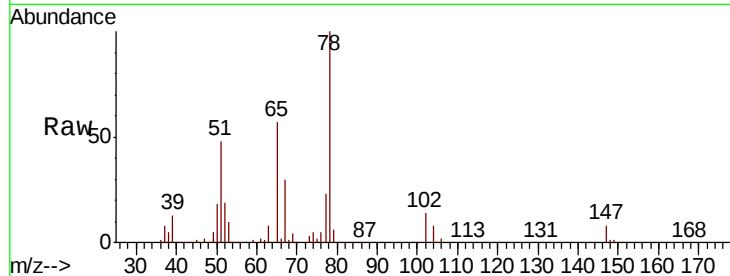
VD1212SBS01

Tot Ion: 65 Resp: 597619

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

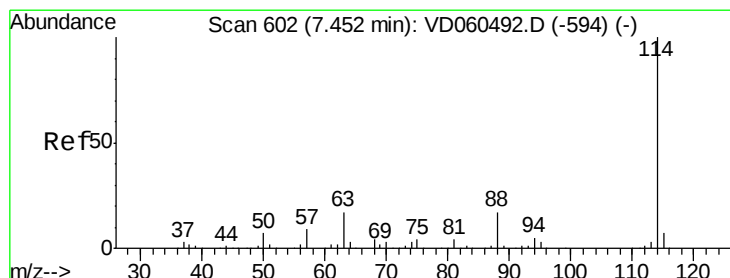
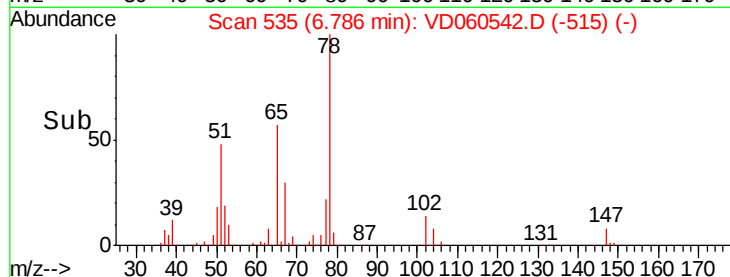
0

6.79

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

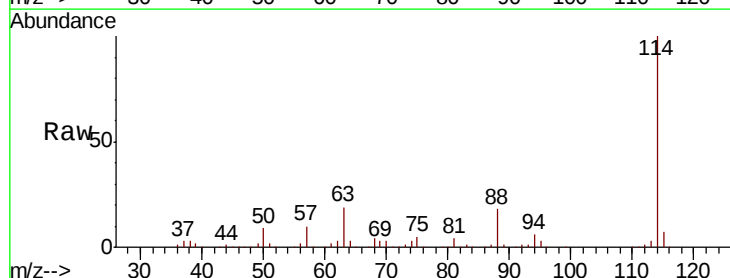
Tgt Ion: 114 Resp: 2141162

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.2

88 18.3 0.0 35.0



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

1000000

800000

600000

400000

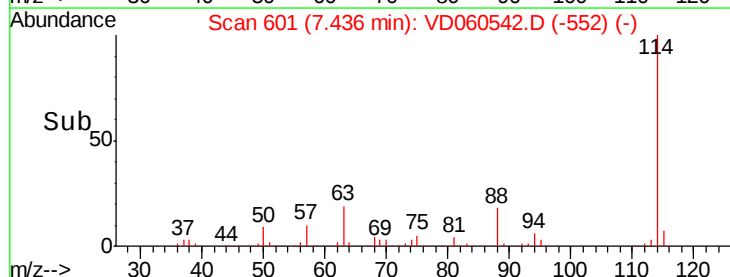
200000

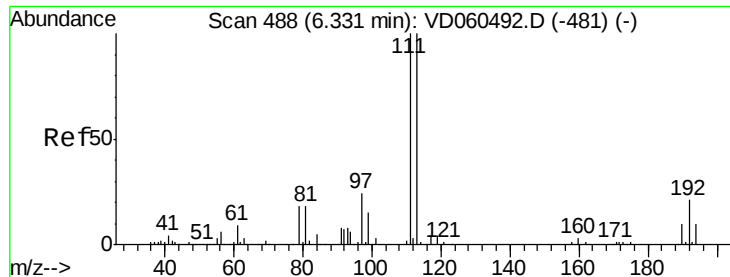
0

7.44

7.60

Time-->

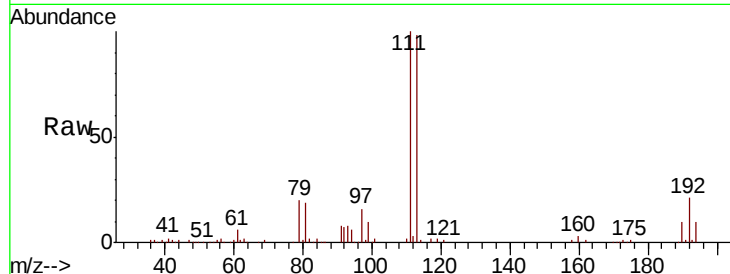




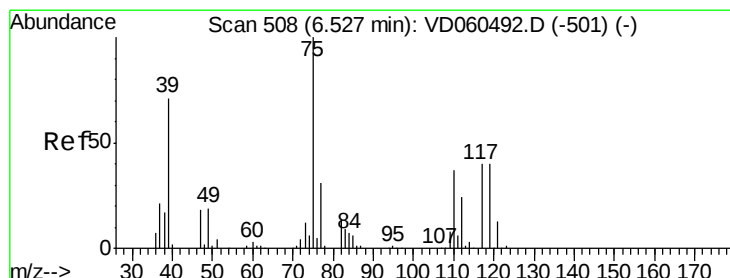
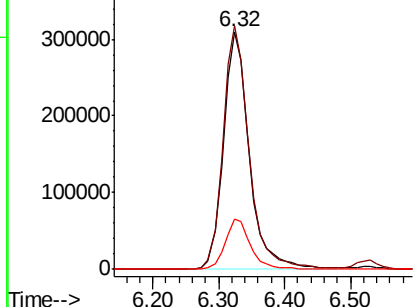
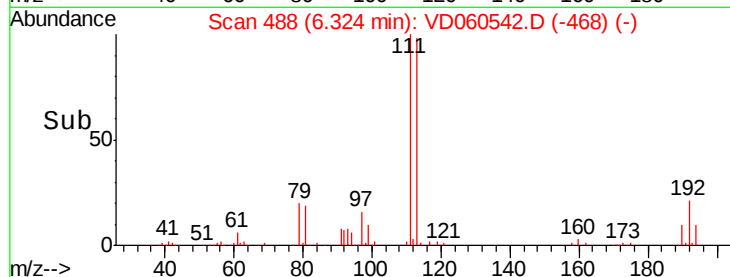
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.2	120.4
192	21.1	16.6	24.8

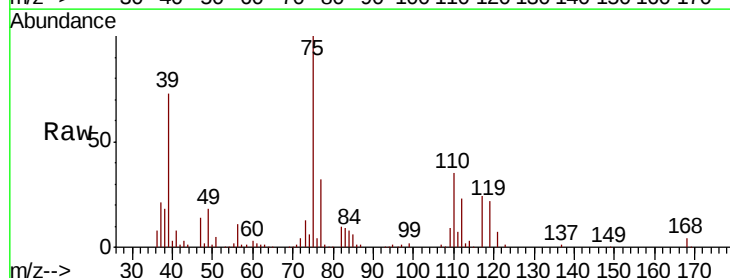


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

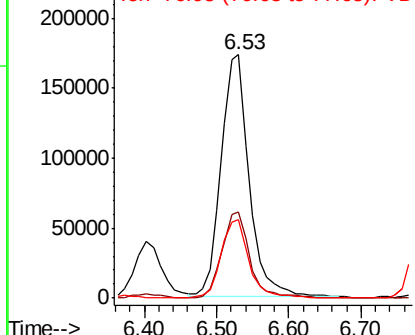
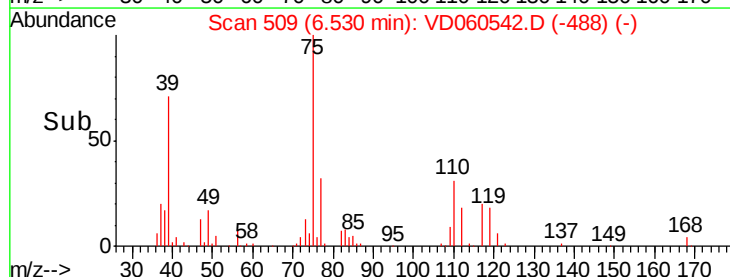


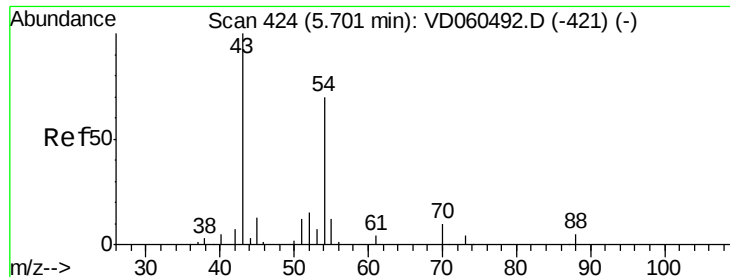
#36
 1,1-Dichloropropene
 Concen: 22.262 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.3	54.8
77	32.0	24.6	37.0



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 22.563 ug/l

RT: 5.70 min Scan# 425

Delta R.T. 0.00 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleID :

VD1212SBS01

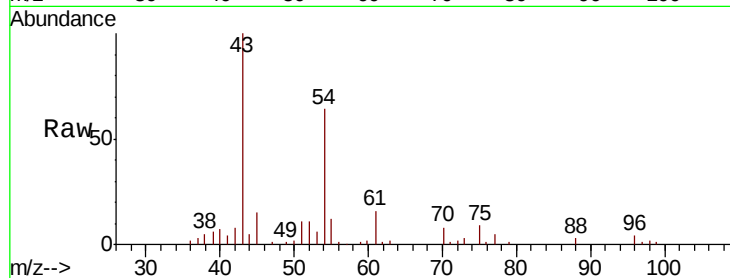
Tot Ion: 43 Resp: 204800

Ion Ratio Lower Upper

43 100

61 15.5 12.4 18.6

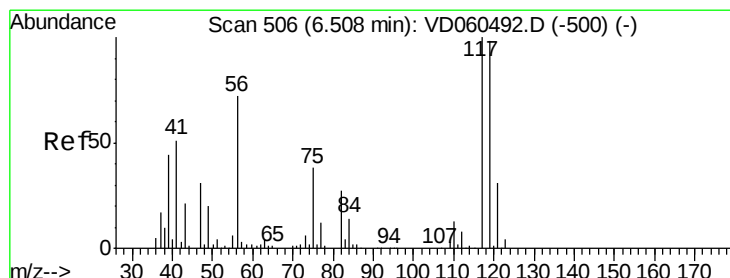
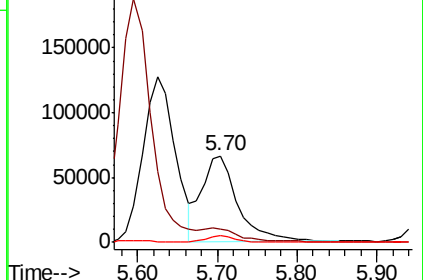
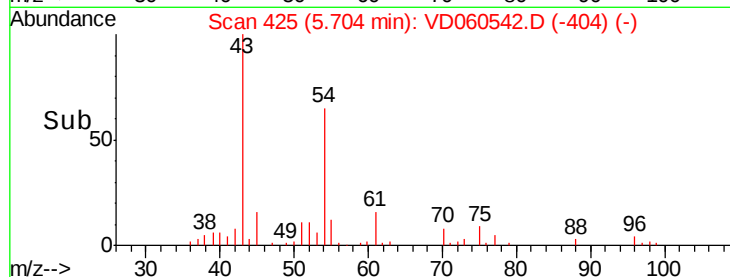
70 8.1 5.4 8.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 22.088 ug/l

RT: 6.50 min Scan# 506

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

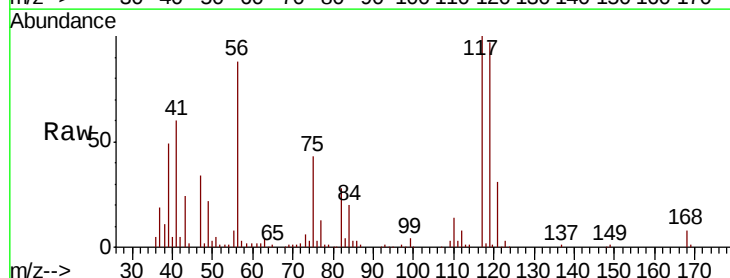
Tgt Ion: 117 Resp: 415014

Ion Ratio Lower Upper

117 100

119 96.8 76.8 115.2

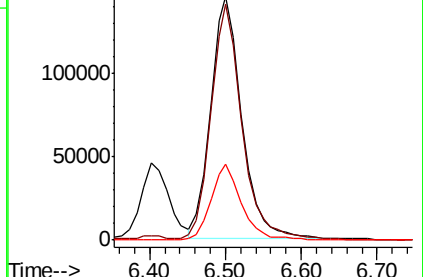
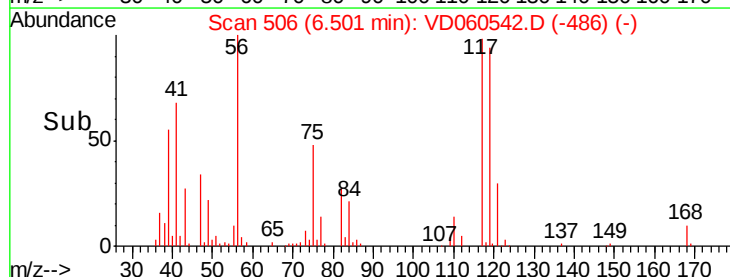
121 30.9 24.4 36.6

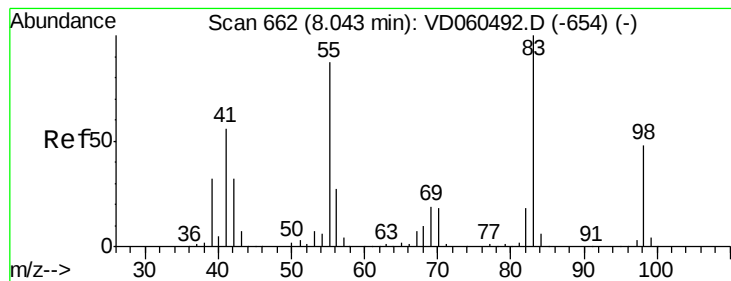


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 22.131 ug/l

RT: 8.04 min Scan# 662

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

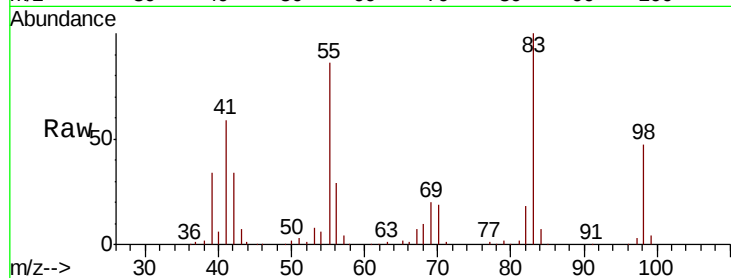
Tot Ion: 83 Resp: 528022

Ion Ratio Lower Upper

83 100

55 86.5 69.8 104.8

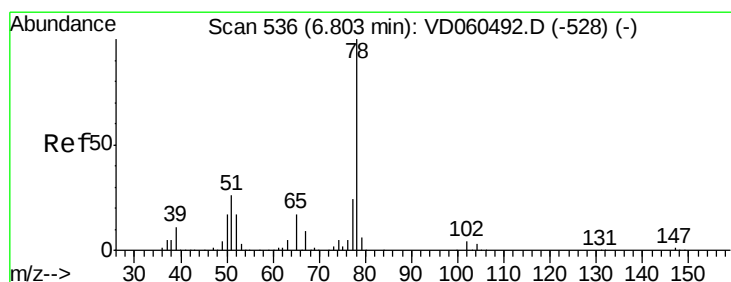
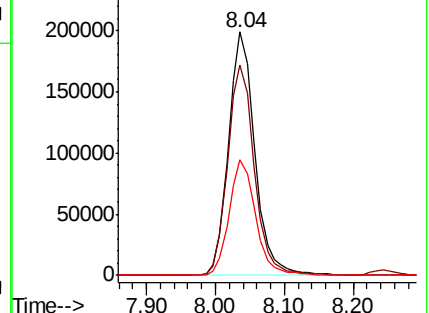
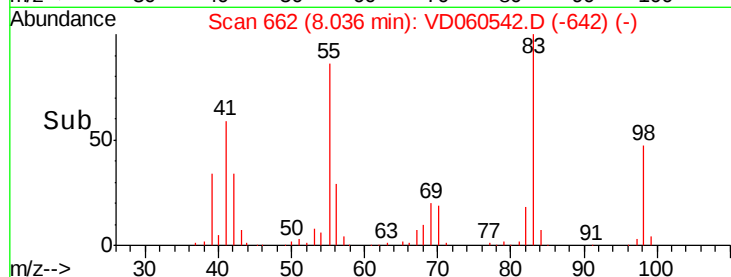
98 47.4 38.4 57.6



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: 22.400 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD060542.D

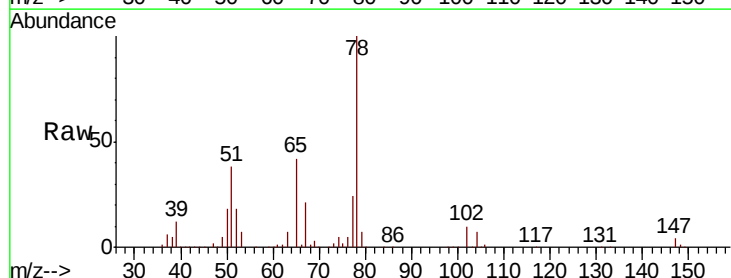
Acq: 12 Dec 2018 12:56

Tgt Ion: 78 Resp: 1198175

Ion Ratio Lower Upper

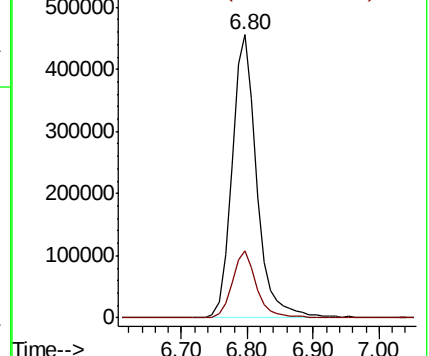
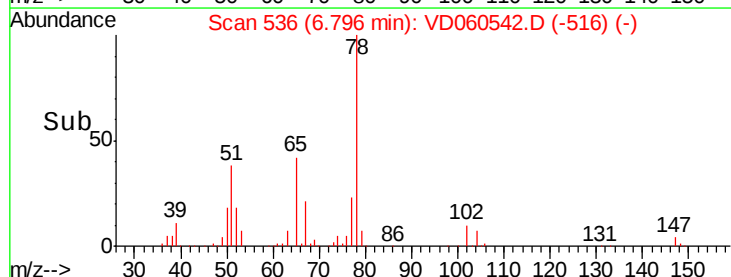
78 100

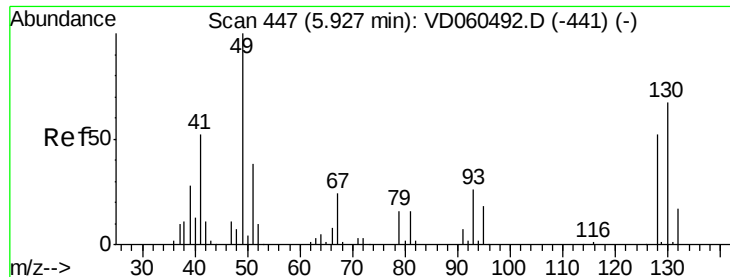
77 23.6 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 46.687 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.02 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

Tot Ion: 41 Resp: 228440

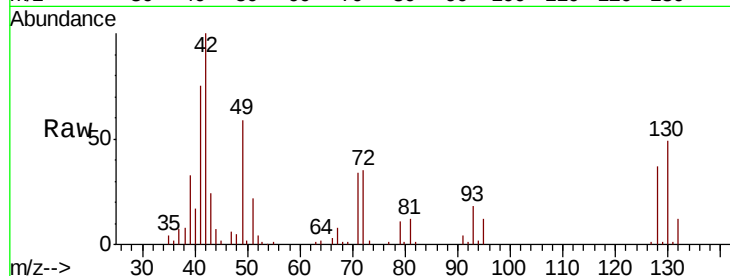
Ion Ratio Lower Upper

41 100

39 43.3 42.6 63.8

67 10.1 36.2 54.4#

52 5.1 15.6 23.4#

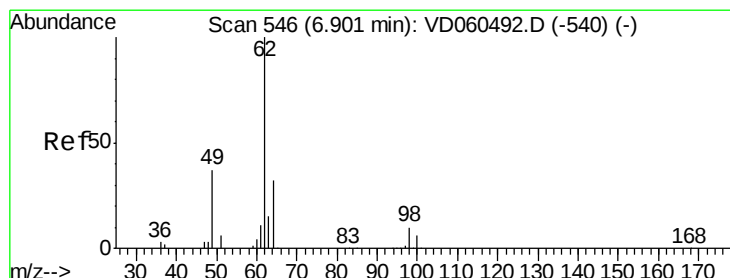
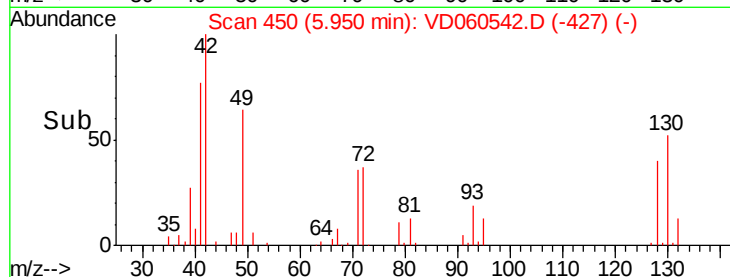
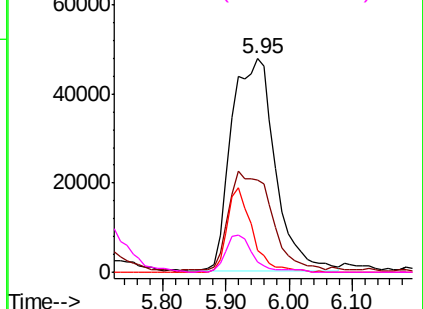


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 22.168 ug/l

RT: 6.89 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060542.D

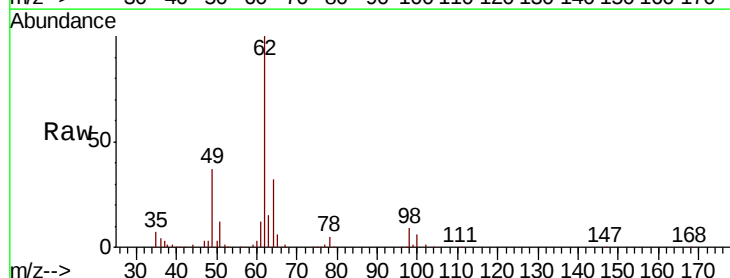
Acq: 12 Dec 2018 12:56

Tgt Ion: 62 Resp: 301482

Ion Ratio Lower Upper

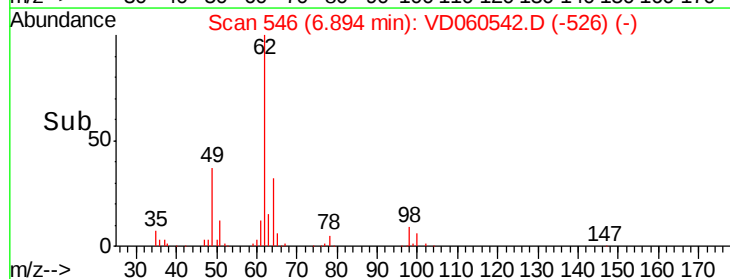
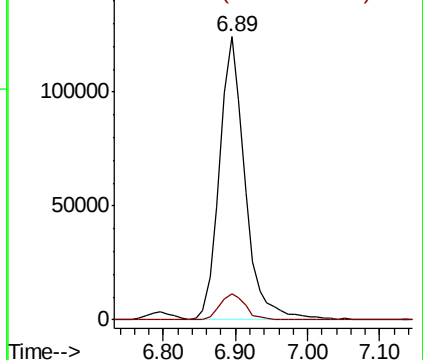
62 100

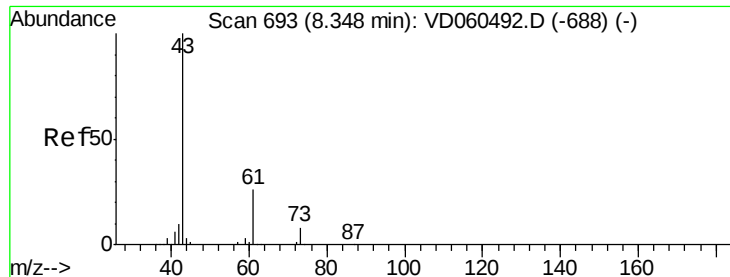
98 9.3 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.112 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

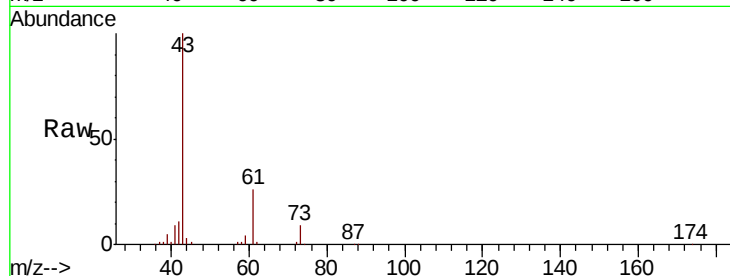
Tot Ion: 43 Resp: 247758

Ion Ratio Lower Upper

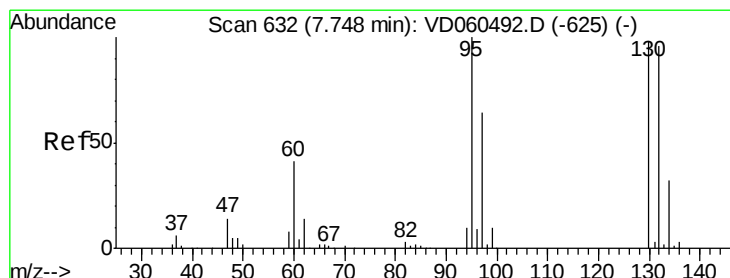
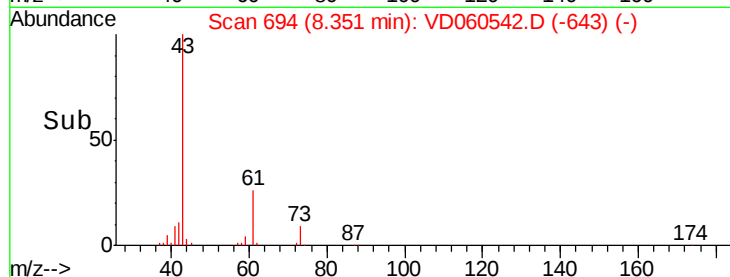
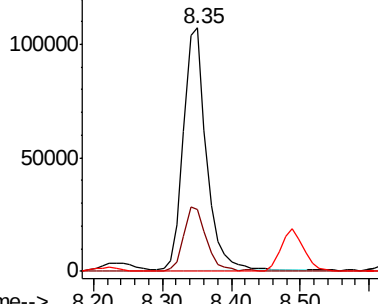
43 100

61 25.6 21.0 31.4

87 0.4 0.2 0.2#



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: 22.256 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060542.D

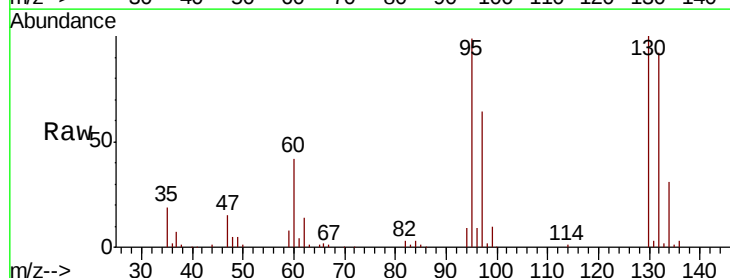
Acq: 12 Dec 2018 12:56

Tgt Ion:130 Resp: 355773

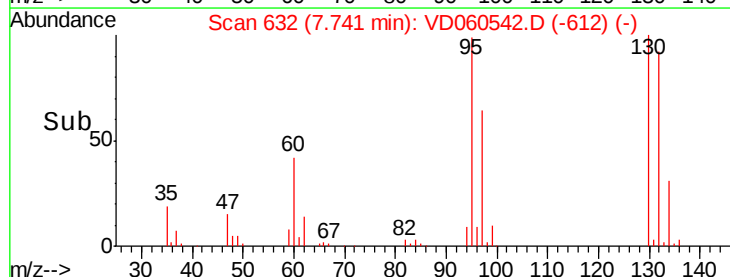
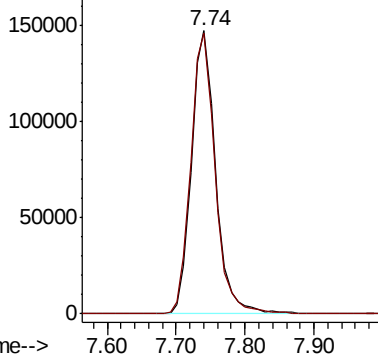
Ion Ratio Lower Upper

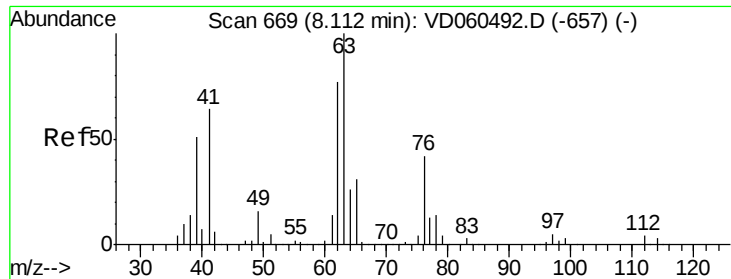
130 100

95 99.0 0.0 203.8



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





#45

1,2-Dichloropropane

Concen: 22.521 ug/l

RT: 8.09 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

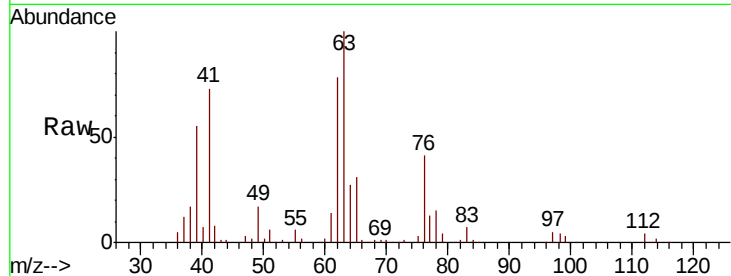
VD1212SBS01

Tot Ion: 63 Resp: 297935

Ion Ratio Lower Upper

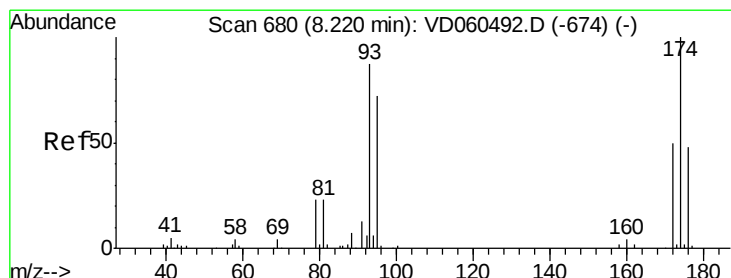
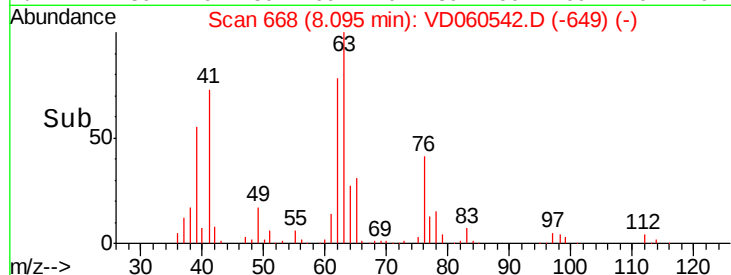
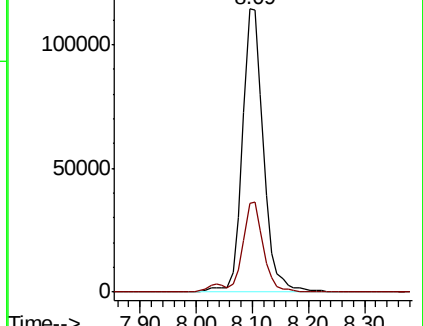
63 100

65 31.4 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.992 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

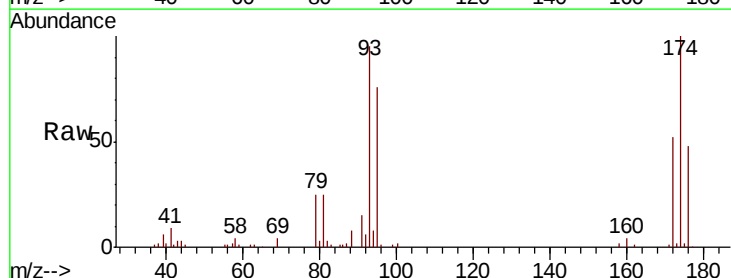
Tgt Ion: 93 Resp: 168094

Ion Ratio Lower Upper

93 100

95 80.1 65.6 98.4

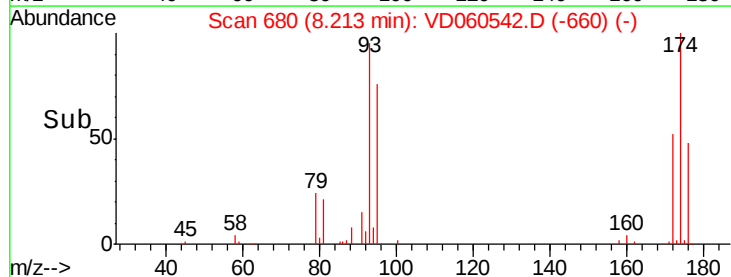
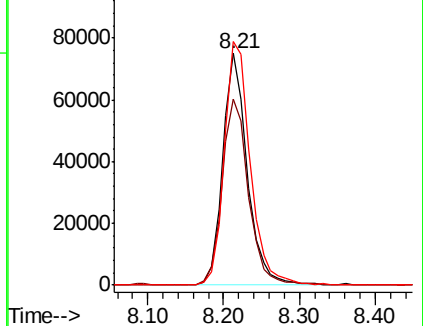
174 105.0 91.7 137.5

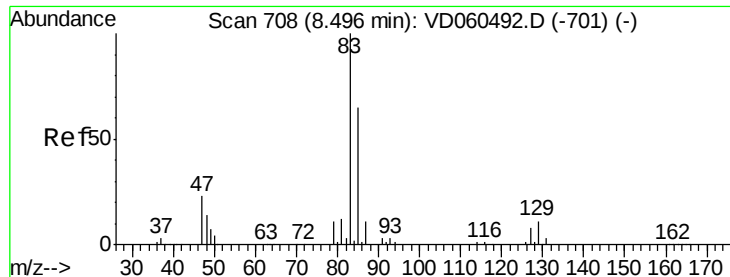


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.326 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

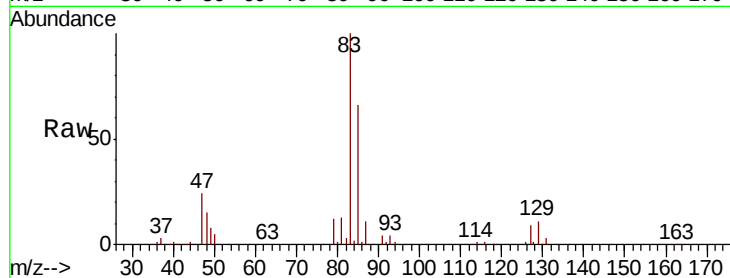
Tot Ion: 83 Resp: 404894

Ion Ratio Lower Upper

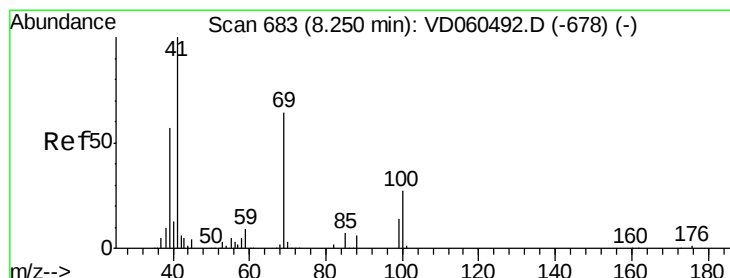
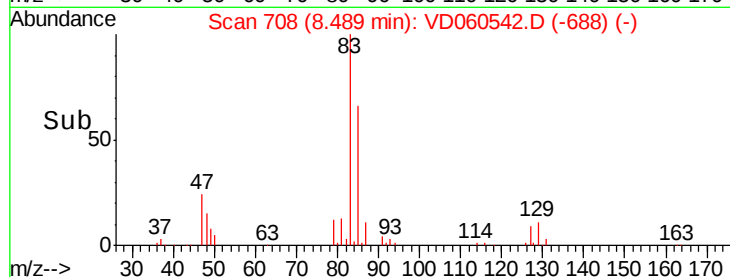
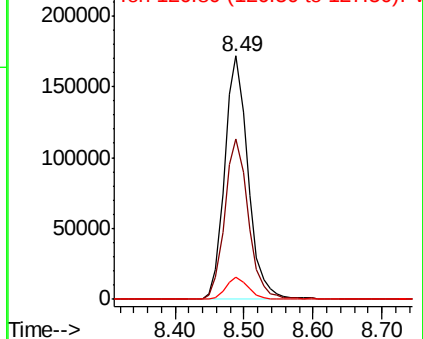
83 100

85 65.8 52.2 78.4

127 9.0 6.7 10.1



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: 23.380 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

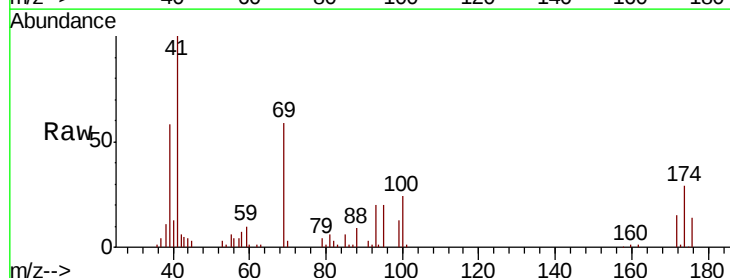
Tgt Ion: 41 Resp: 155003

Ion Ratio Lower Upper

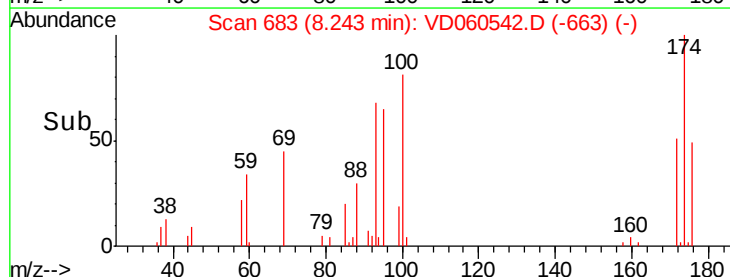
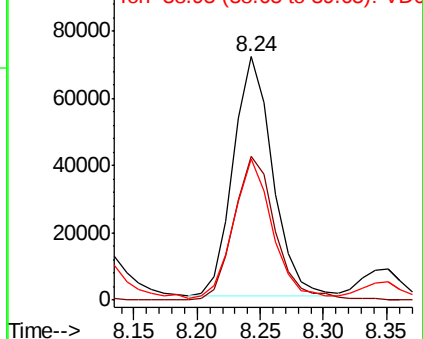
41 100

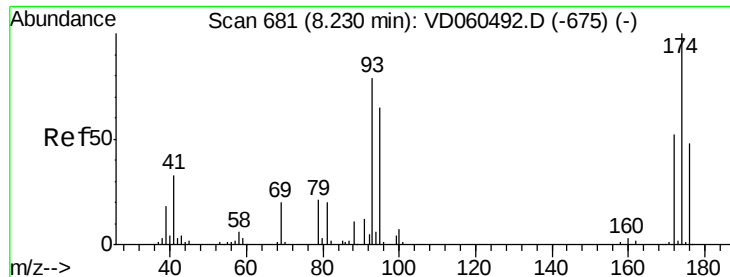
69 59.1 50.2 75.4

39 58.3 46.1 69.1



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

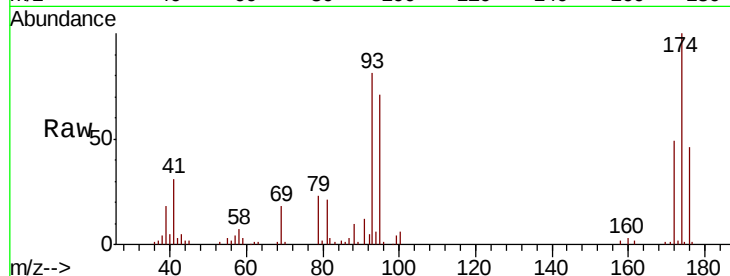




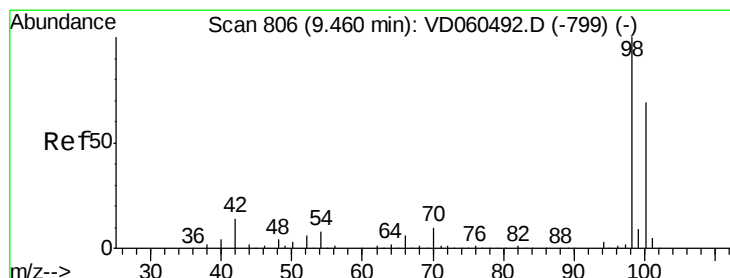
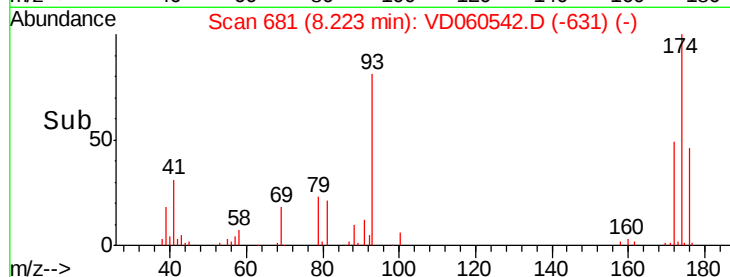
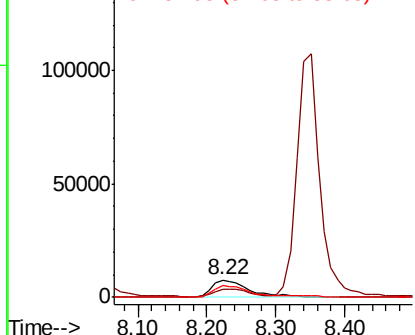
#49
1,4-Dioxane
Concen: 479.570 ug/l
RT: 8.22 min Scan# 681
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

Tot Ion: 88 Resp: 28816
Ion Ratio Lower Upper
88 100
43 45.5 32.9 49.3
58 66.2 47.7 71.5

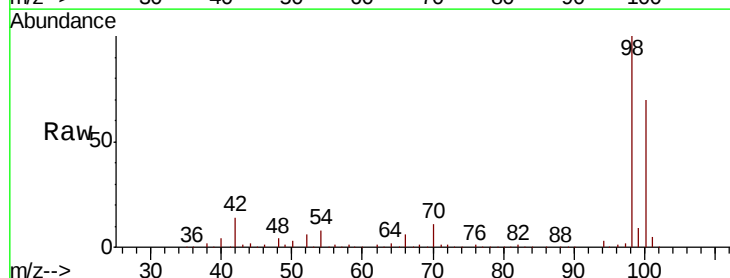


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

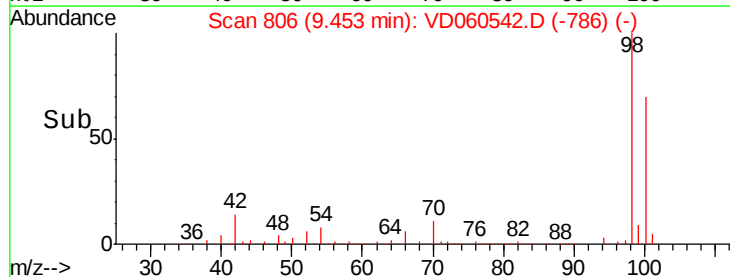
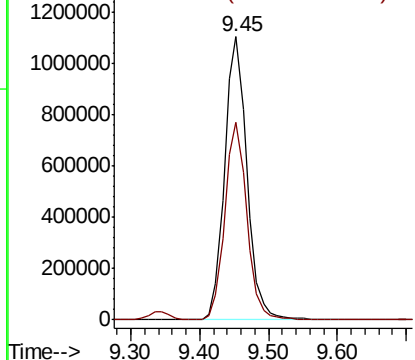


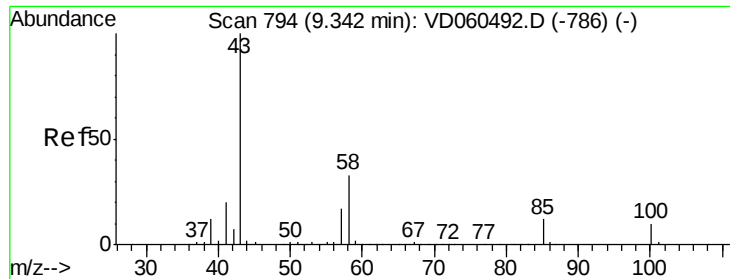
#50
Toluene-d8
Concen: 479.570 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 98 Resp: 2475625
Ion Ratio Lower Upper
98 100
100 69.7 55.7 83.5



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: 110.945 ug/l

RT: 9.33 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

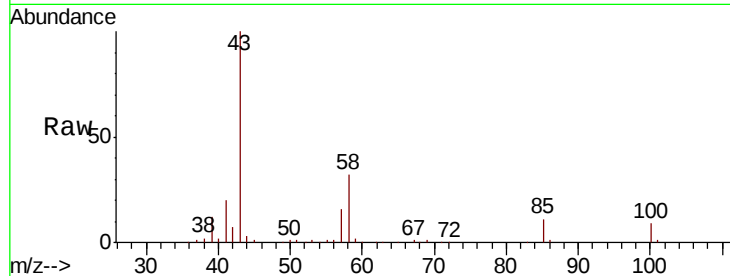
VD1212SBS01

Tot Ion: 43 Resp: 773260

Ion Ratio Lower Upper

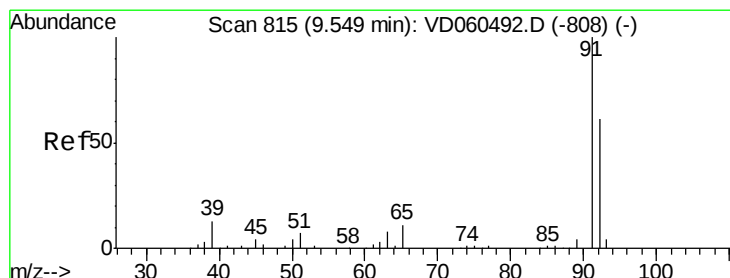
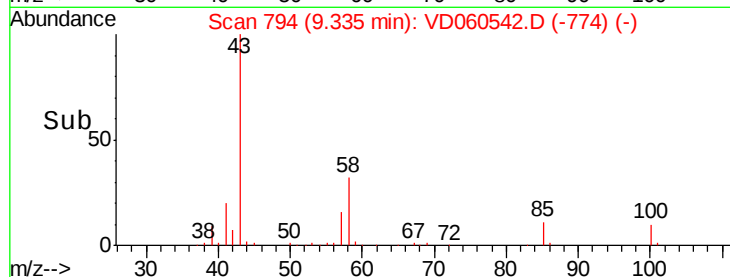
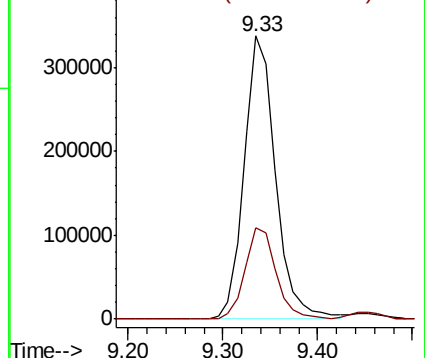
43 100

58 32.2 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.800 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060542.D

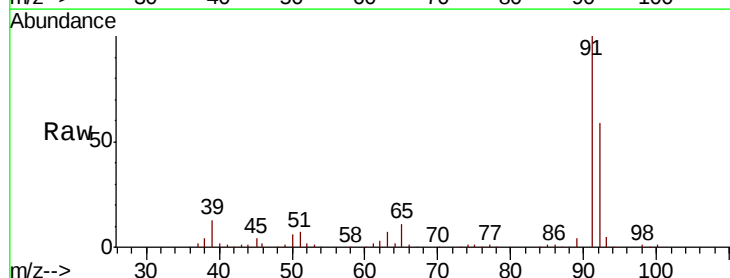
Acq: 12 Dec 2018 12:56

Tgt Ion: 92 Resp: 728814

Ion Ratio Lower Upper

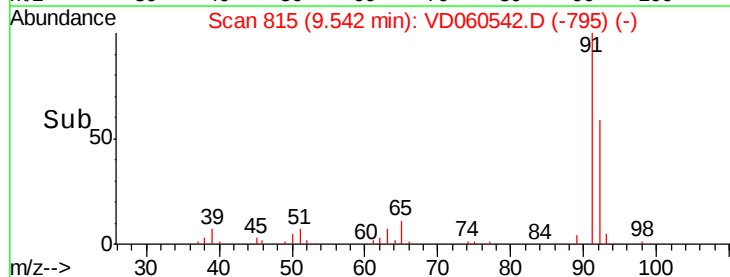
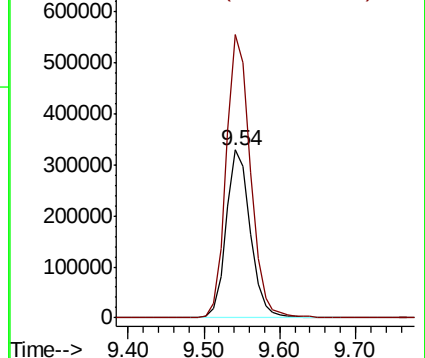
92 100

91 168.8 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

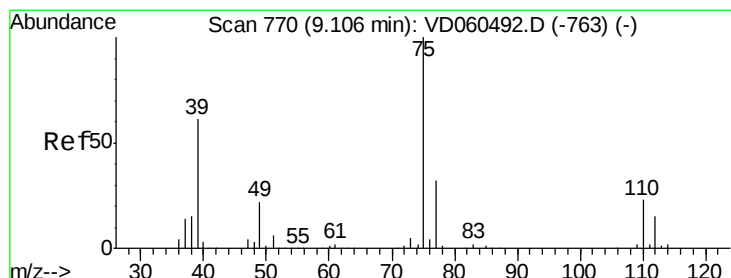
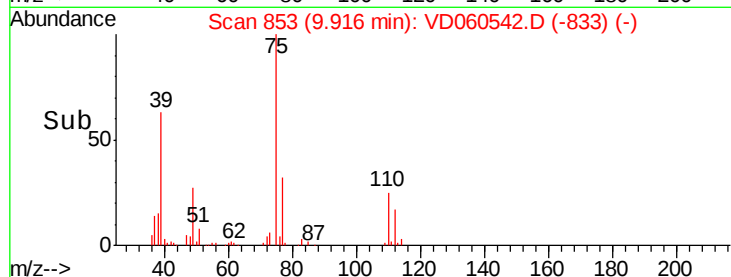
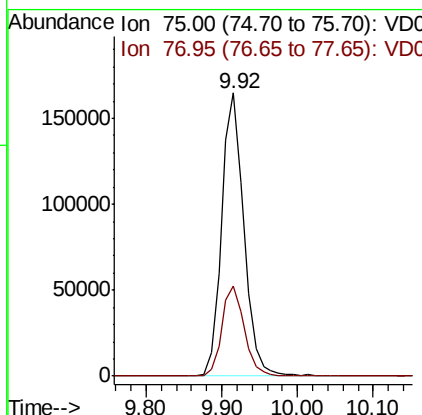
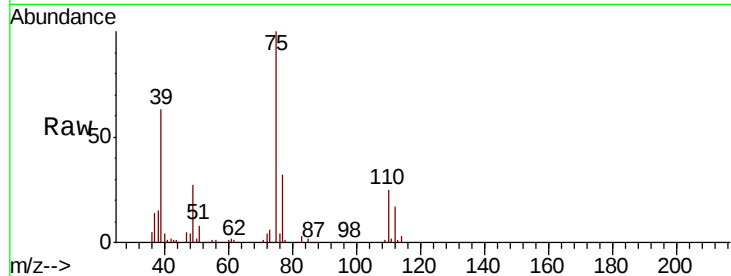




#53
t-1,3-Dichloropropene
Concen: 22.499 ug/l
RT: 9.92 min Scan# 853
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

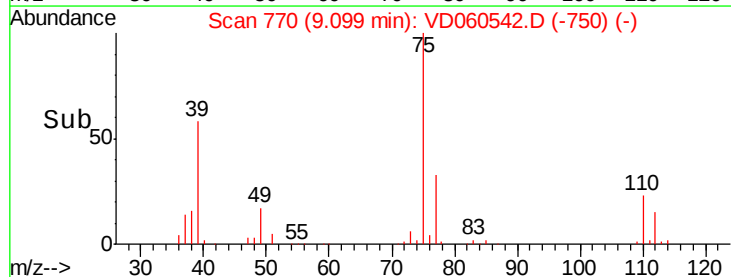
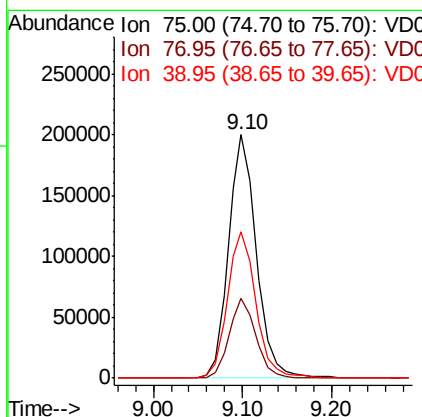
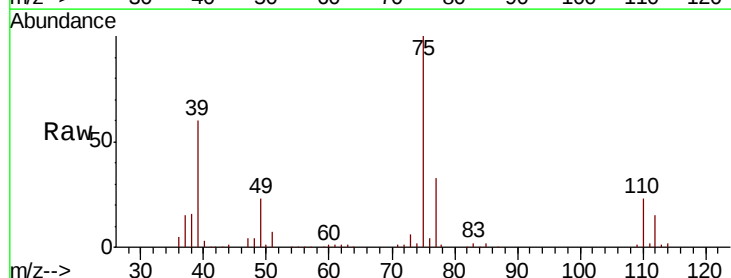
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

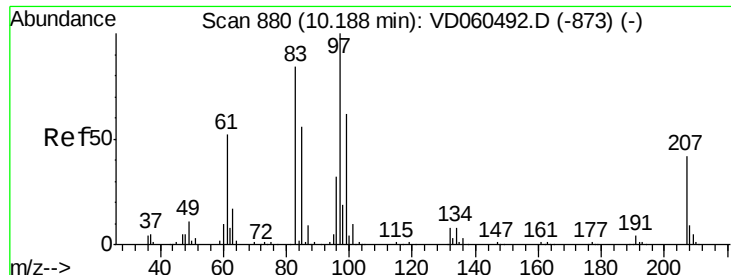
Tot Ion: 75 Resp: 335278
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 22.392 ug/l
RT: 9.10 min Scan# 770
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 75 Resp: 438416
Ion Ratio Lower Upper
75 100
77 32.7 25.6 38.4
39 60.2 48.6 73.0

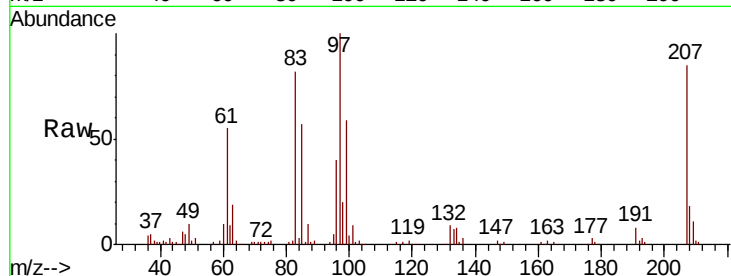




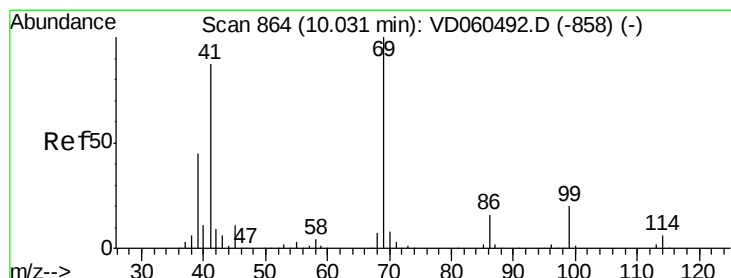
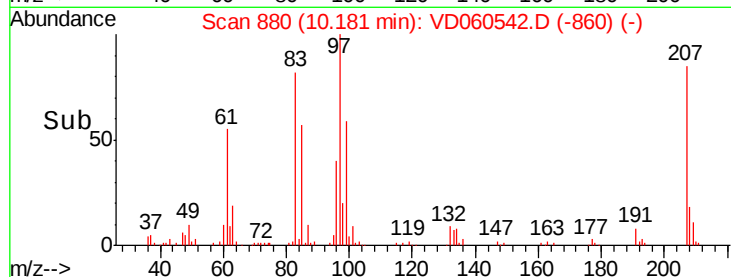
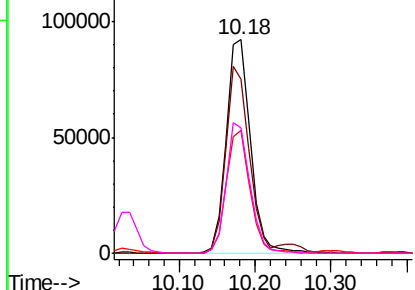
#55
 1,1,2-Trichloroethane
 Concen: 21.851 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBSD01

Tot Ion:	97	Resp:	203440
Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.2	100.8
85	57.4	44.5	66.7
99	58.7	49.3	73.9

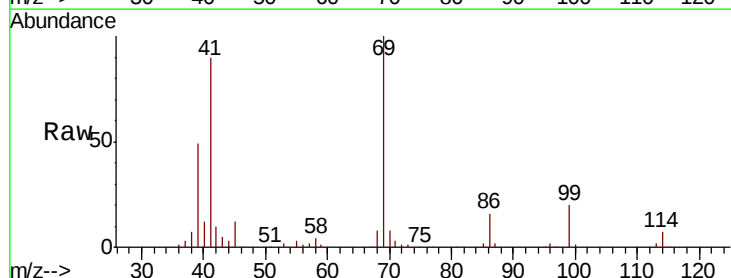


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

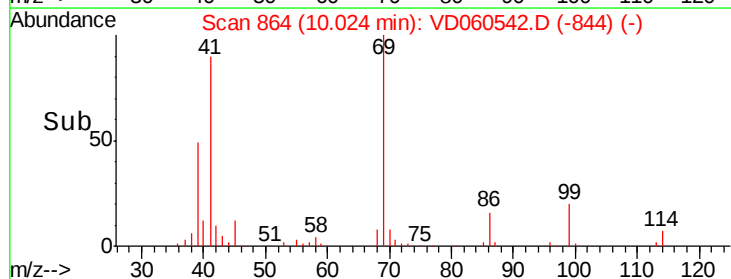
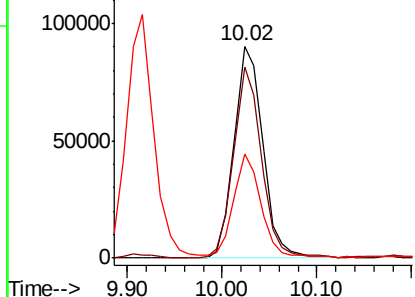


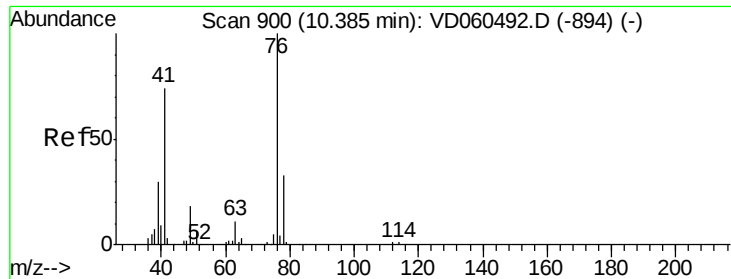
#56
 Ethyl methacrylate
 Concen: 22.547 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion:	69	Resp:	189978
Ion	Ratio	Lower	Upper
69	100		
41	89.9	69.8	104.8
39	48.9	37.5	56.3



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: 22.359 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

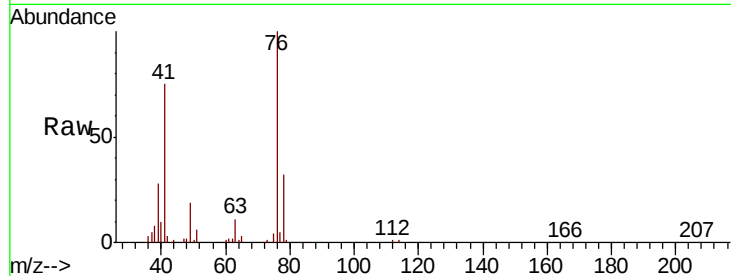
VD1212SBSD01

Tot Ion: 76 Resp: 321792

Ion Ratio Lower Upper

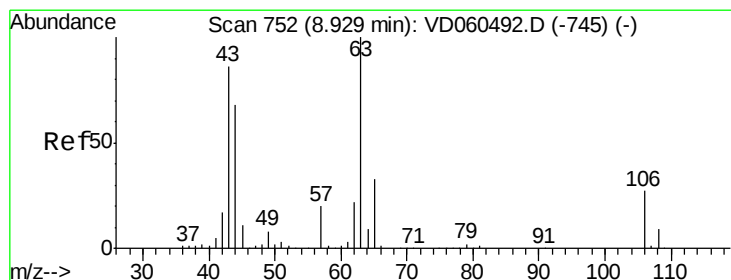
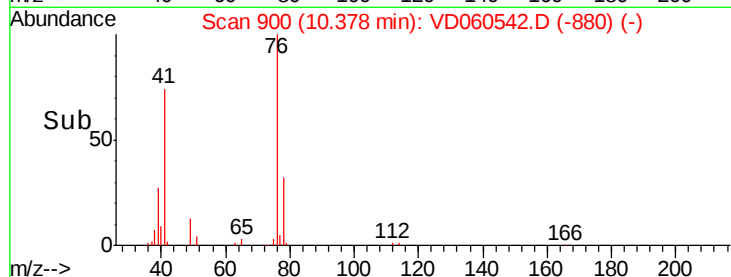
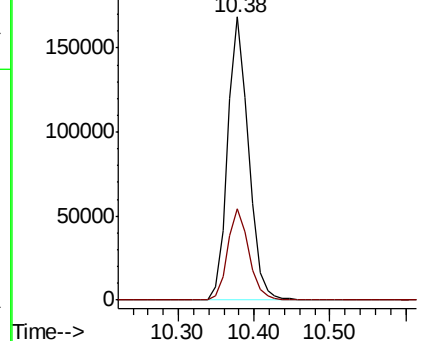
76 100

78 32.3 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 113.892 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060542.D

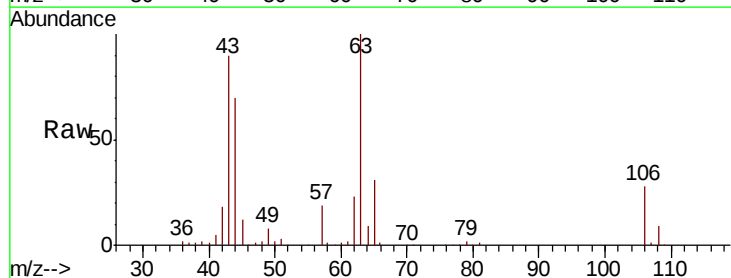
Acq: 12 Dec 2018 12:56

Tgt Ion: 63 Resp: 574198

Ion Ratio Lower Upper

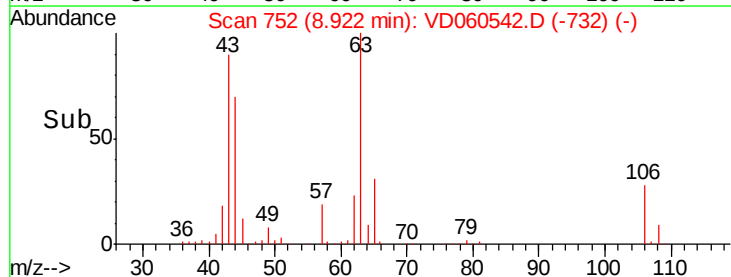
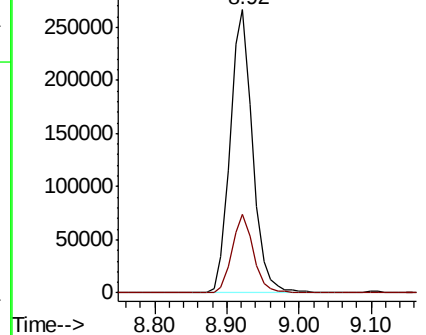
63 100

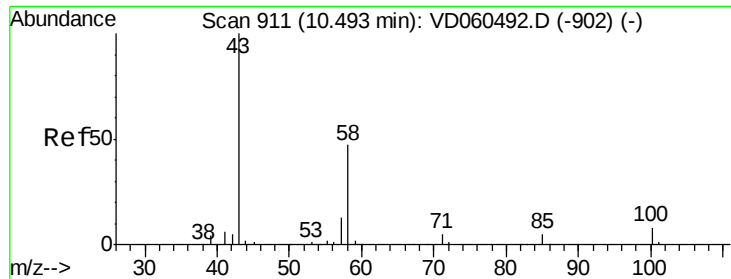
106 27.6 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

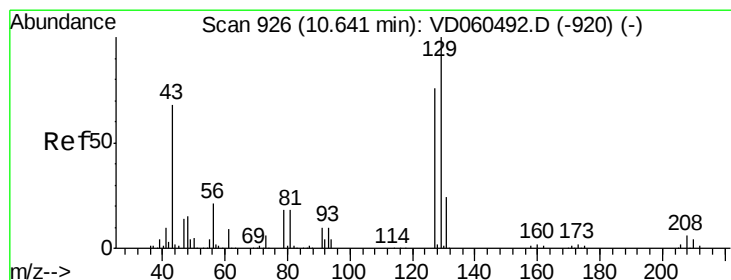
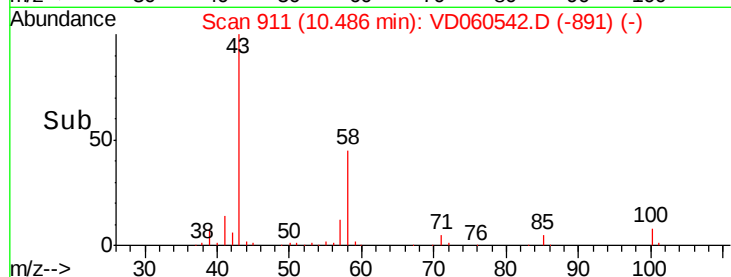
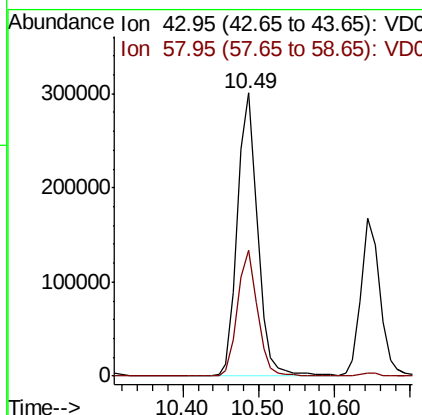
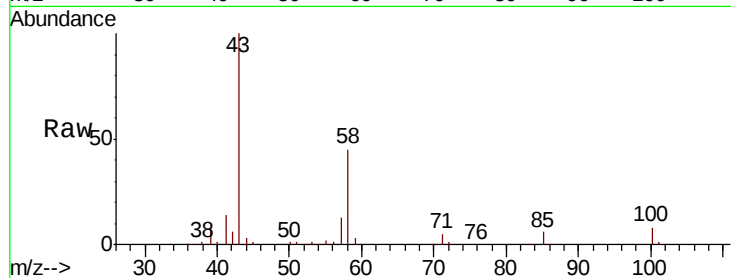




#59
2-Hexanone
Concen: 113.683 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

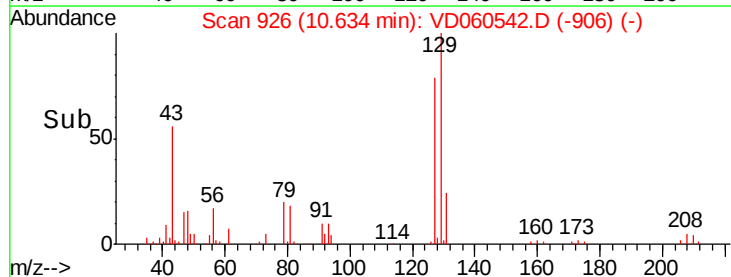
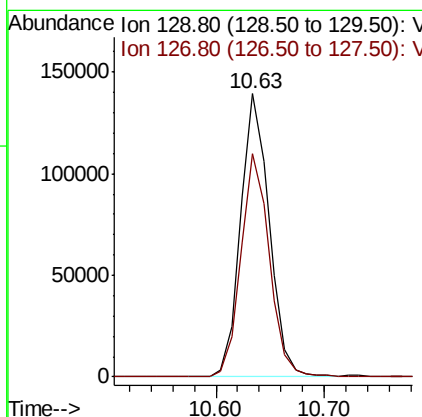
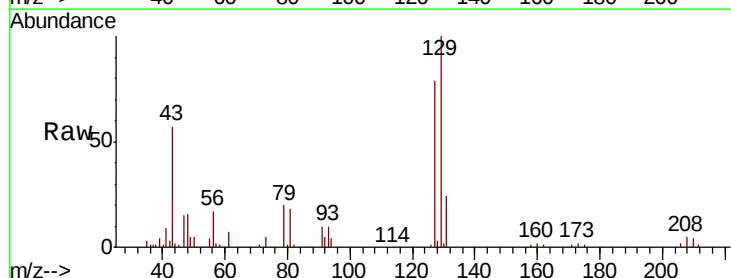
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

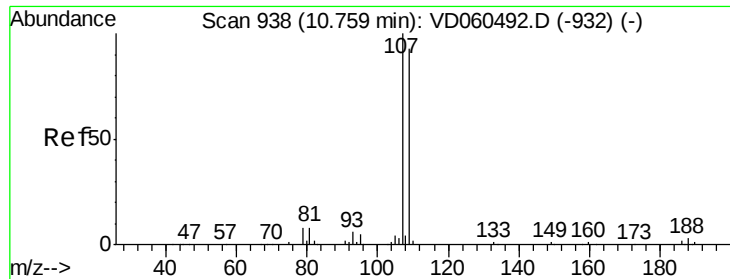
Tot Ion: 43 Resp: 553829
Ion Ratio Lower Upper
43 100
58 44.7 23.4 70.2



#60
Dibromochloromethane
Concen: 21.997 ug/l
RT: 10.63 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion:129 Resp: 256053
Ion Ratio Lower Upper
129 100
127 78.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.282 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

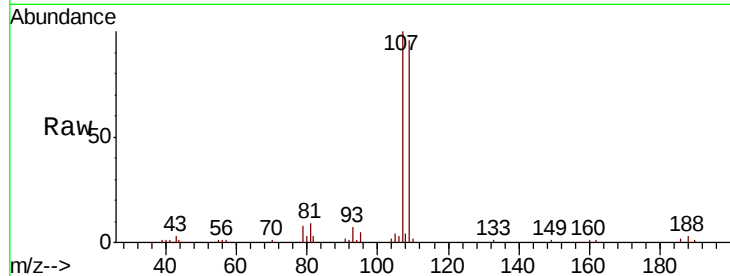
VD1212SBSD01

Tot Ion:107 Resp: 201929

Ion Ratio Lower Upper

107 100

109 95.8 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

120000

100000

80000

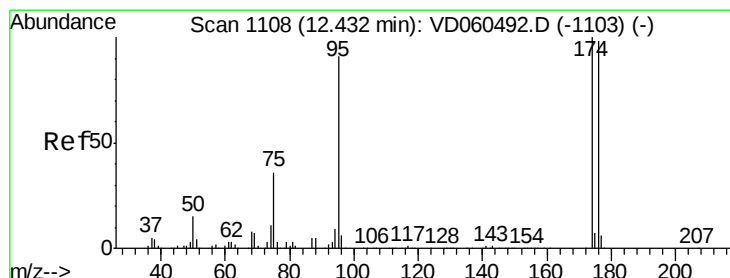
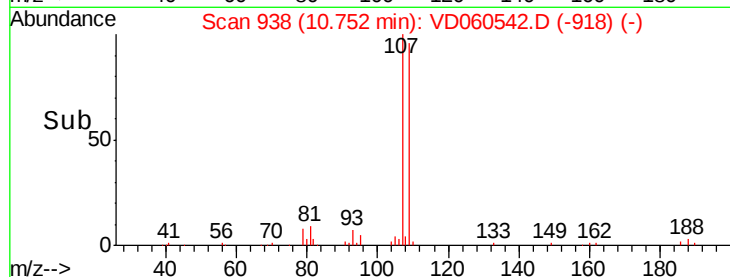
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.282 ug/l

RT: 12.42 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

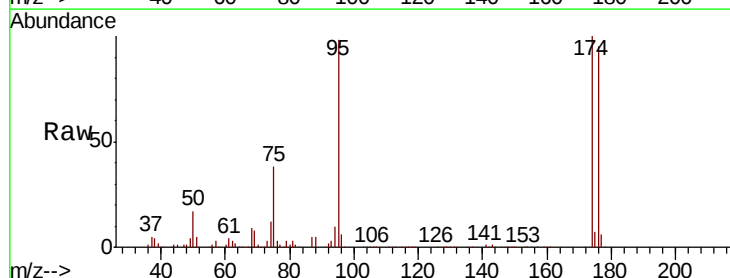
Tgt Ion: 95 Resp: 865158

Ion Ratio Lower Upper

95 100

174 102.5 0.0 219.4

176 97.3 0.0 214.6



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

800000

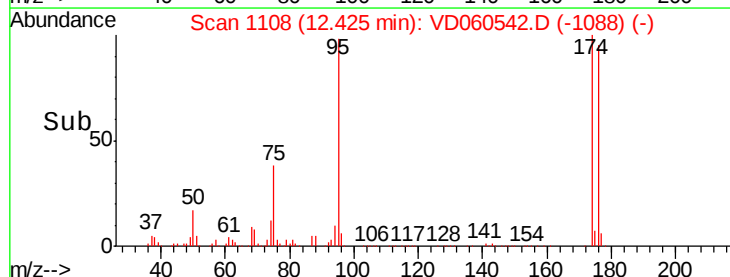
600000

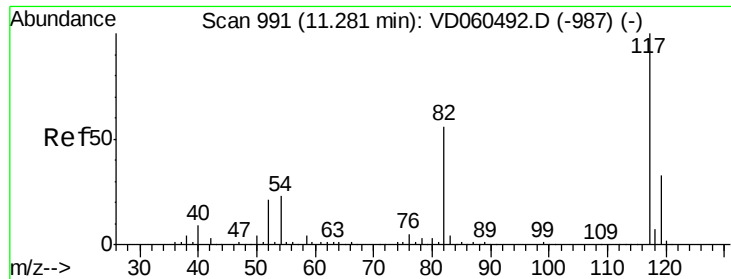
400000

200000

0

Time-->

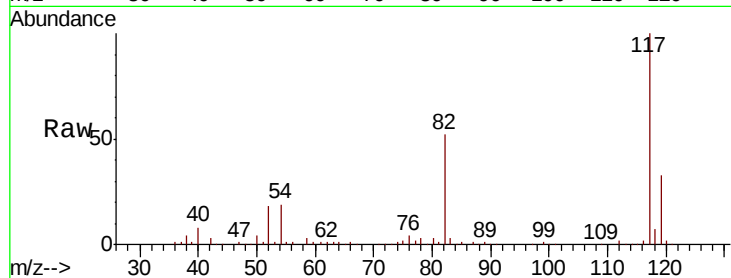




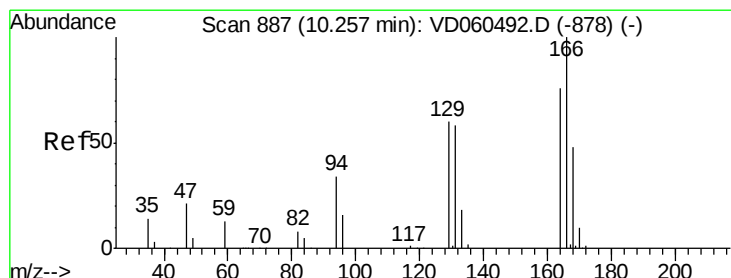
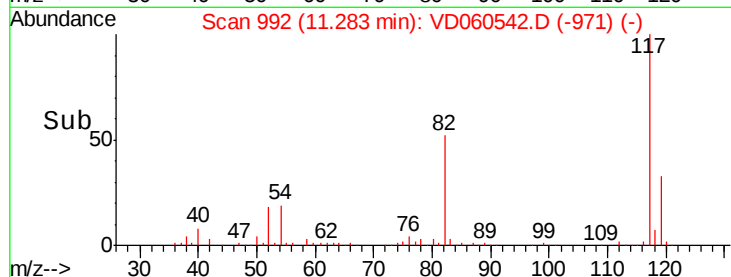
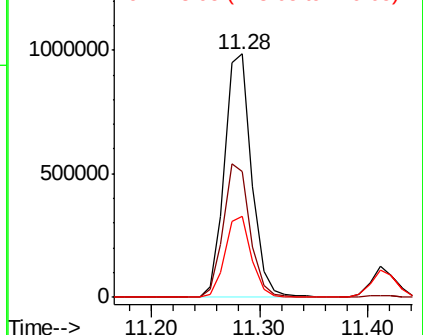
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

Tot Ion:117 Resp: 1721542
Ion Ratio Lower Upper
117 100
82 51.5 45.2 67.8
119 33.2 26.1 39.1

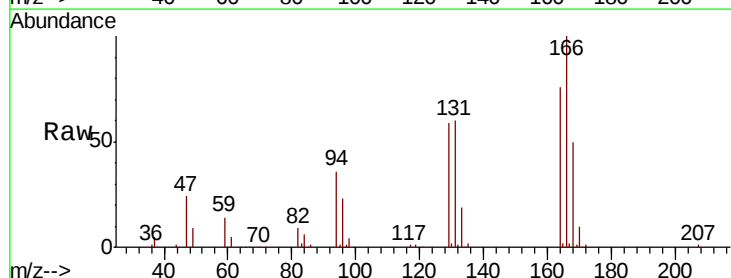


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

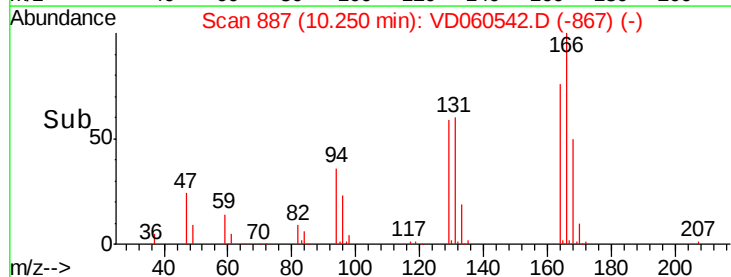
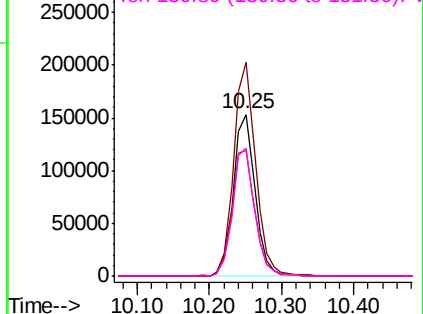


#64
Tetrachloroethene
Concen: 21.258 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion:164 Resp: 324056
Ion Ratio Lower Upper
164 100
166 131.9 105.0 157.6
129 77.7 63.0 94.4
131 78.7 60.6 90.8



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

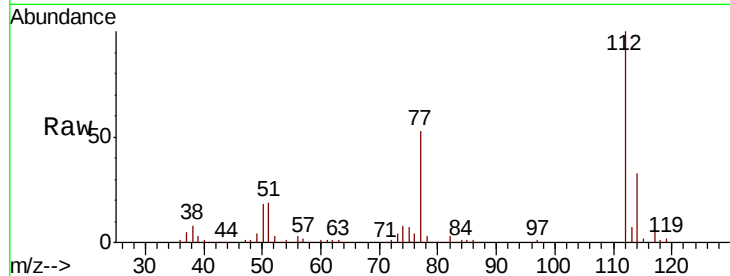




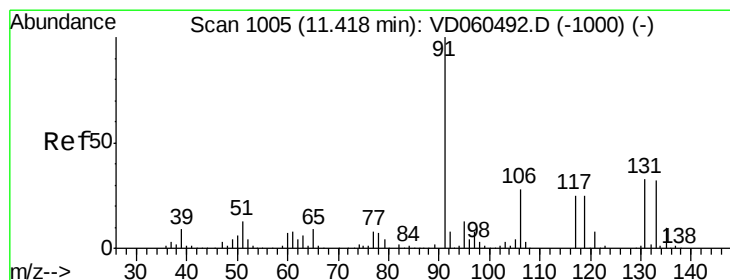
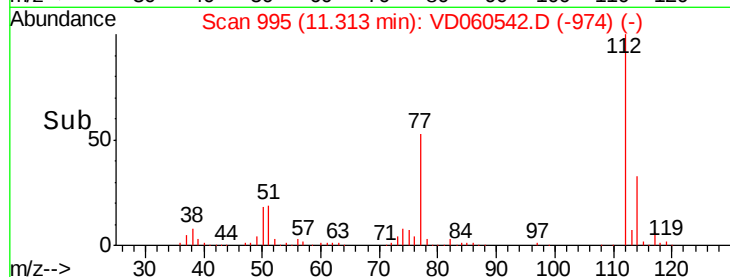
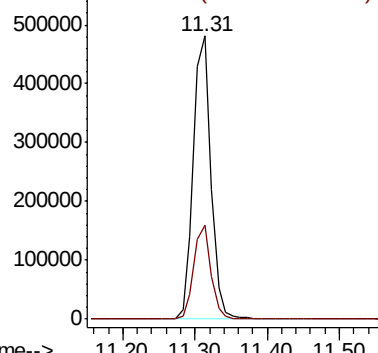
#65
Chlorobenzene
Concen: 22.214 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

Tot Ion:112 Resp: 809031
Ion Ratio Lower Upper
112 100
114 33.4 26.2 39.4

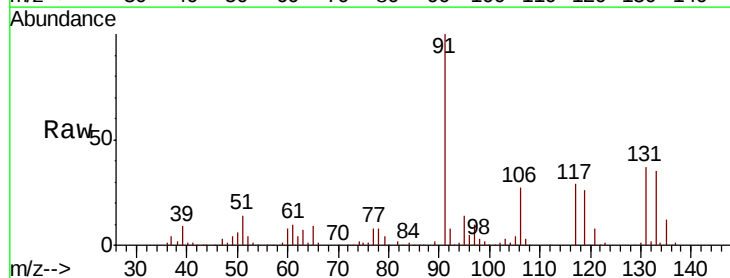


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

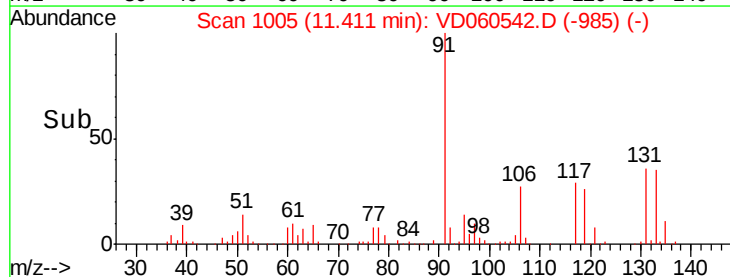
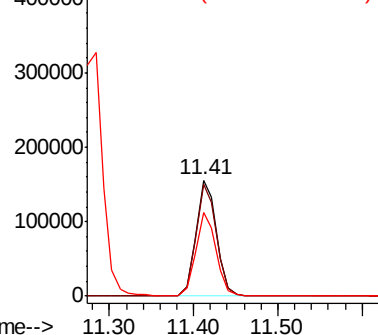


#66
1,1,1,2-Tetrachloroethane
Concen: 22.247 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion:131 Resp: 261149
Ion Ratio Lower Upper
131 100
133 96.5 49.1 147.3
119 72.1 37.5 112.3



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

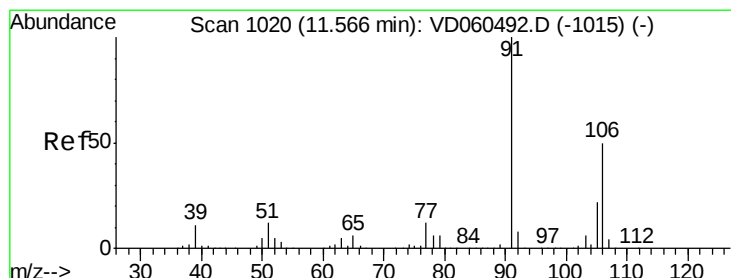
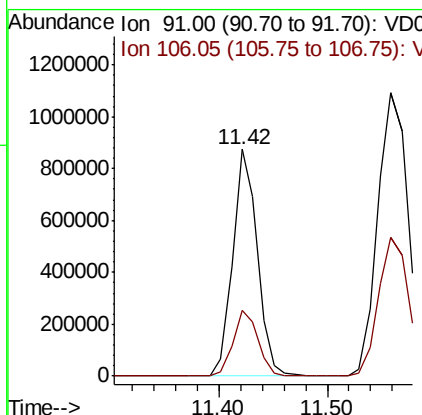
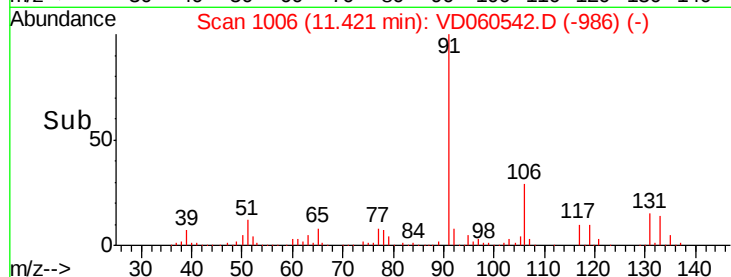
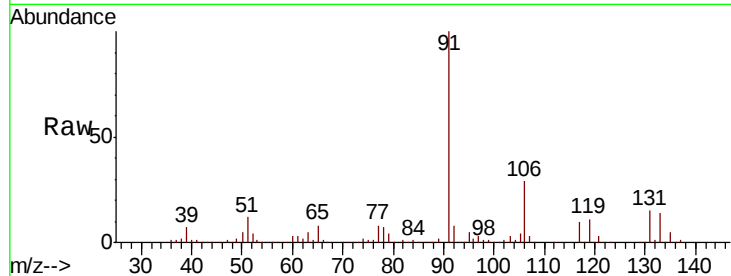




#67
Ethyl Benzene
Concen: 22.273 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

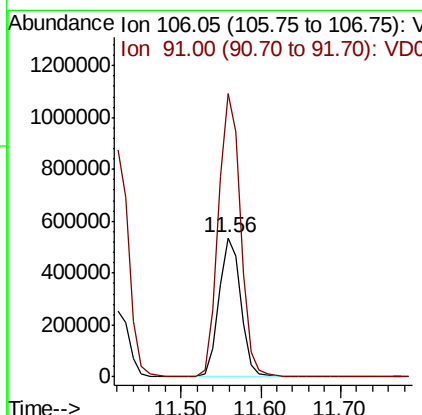
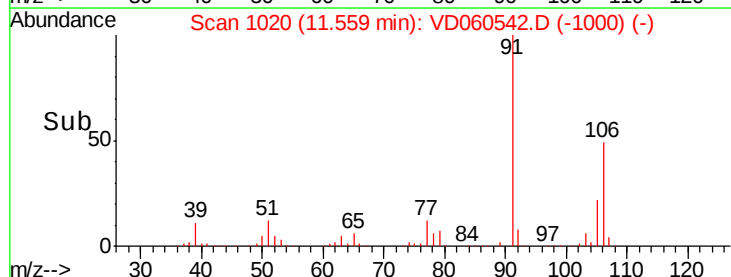
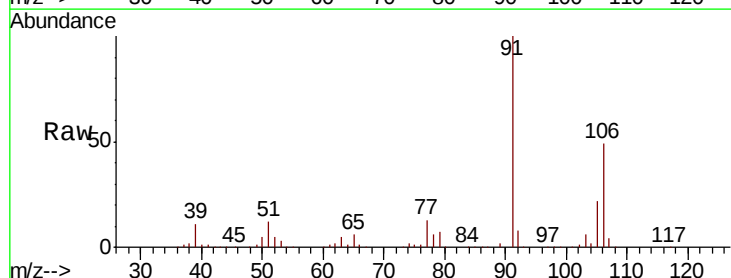
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

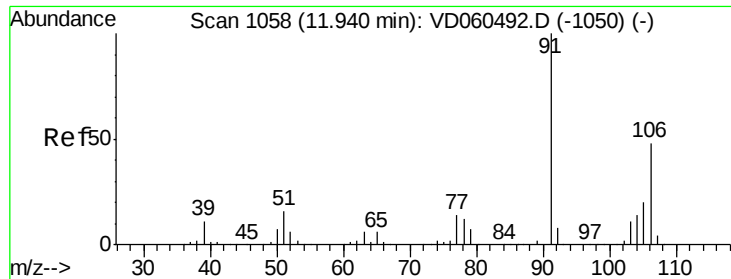
Tot Ion: 91 Resp: 1383658
Ion Ratio Lower Upper
91 100
106 29.3 24.6 37.0



#68
m/p-Xylenes
Concen: 45.183 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 106 Resp: 1038409
Ion Ratio Lower Upper
106 100
91 203.7 160.5 240.7

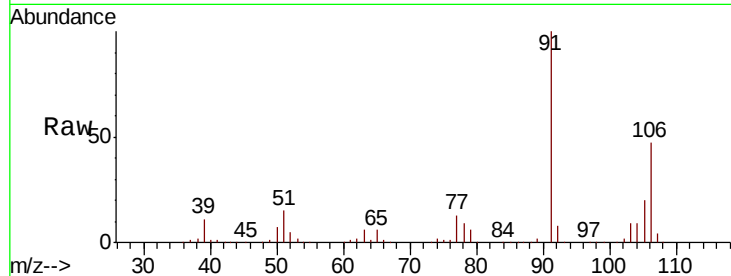




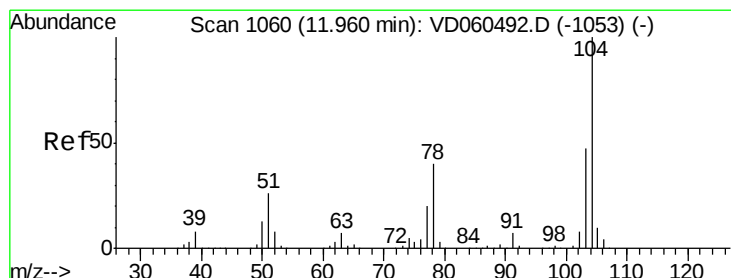
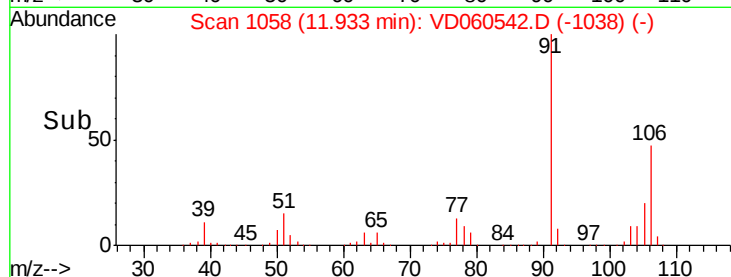
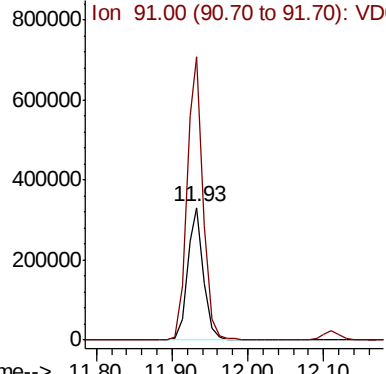
#69
o-Xylene
Concen: 22.229 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

Tot Ion:106 Resp: 486860
Ion Ratio Lower Upper
106 100
91 213.0 103.4 310.1

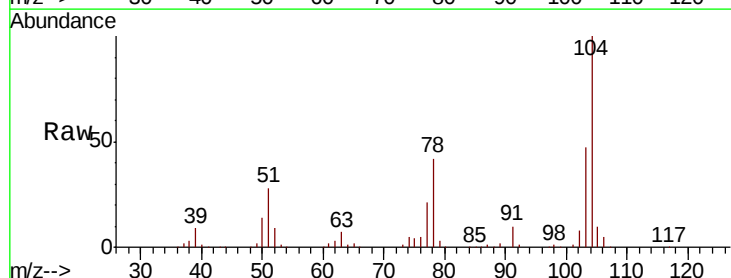


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

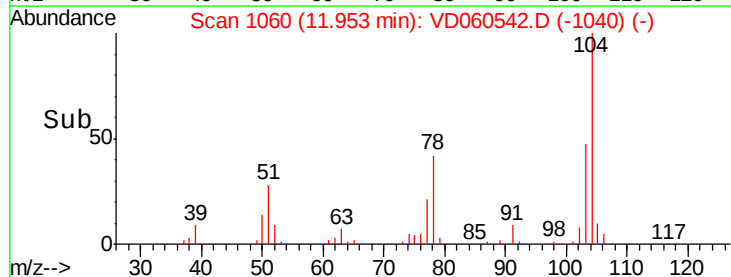
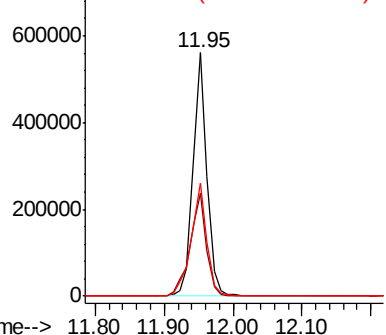


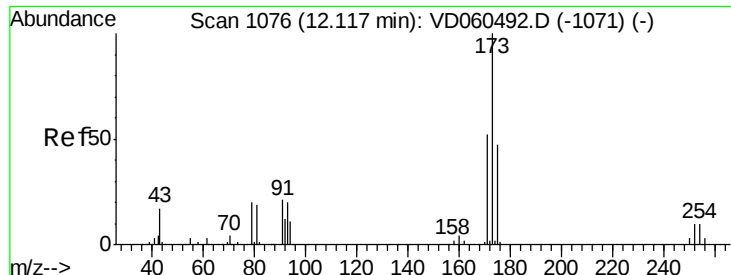
#70
Styrene
Concen: 22.401 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion:104 Resp: 787510
Ion Ratio Lower Upper
104 100
78 42.1 32.1 48.1
103 46.7 37.2 55.8



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





#71

Bromoform

Concen: 20.964 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBSD01

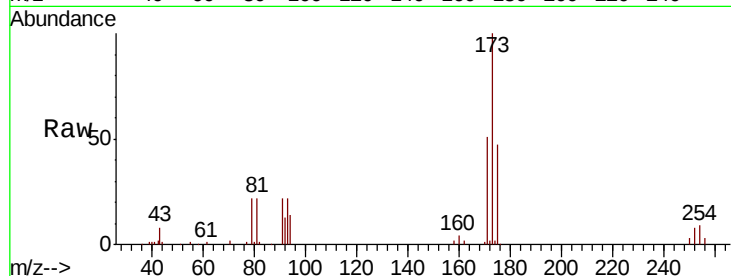
Tot Ion:173 Resp: 164184

Ion Ratio Lower Upper

173 100

175 46.6 23.5 70.6

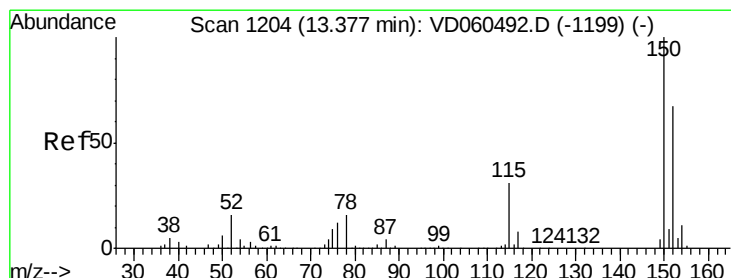
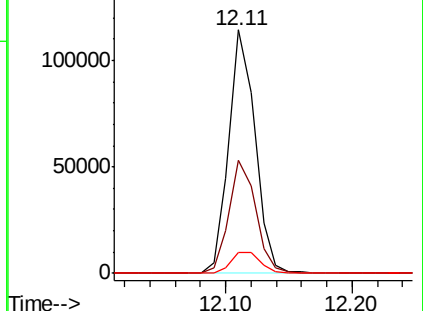
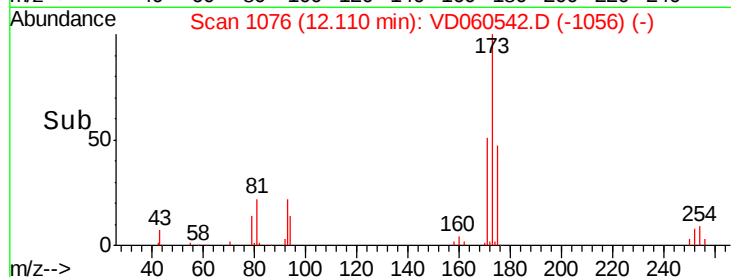
254 8.7 7.8 11.8



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: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

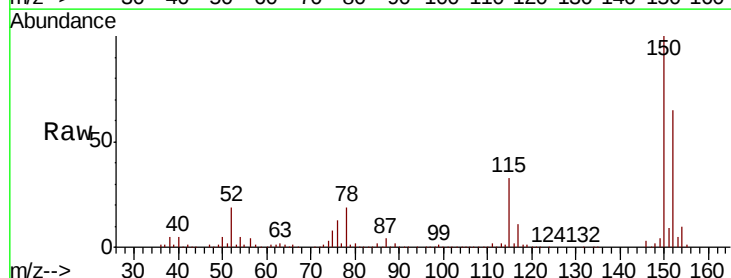
Tgt Ion:152 Resp: 916110

Ion Ratio Lower Upper

152 100

115 51.3 24.6 74.0

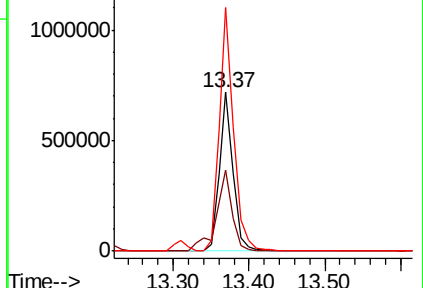
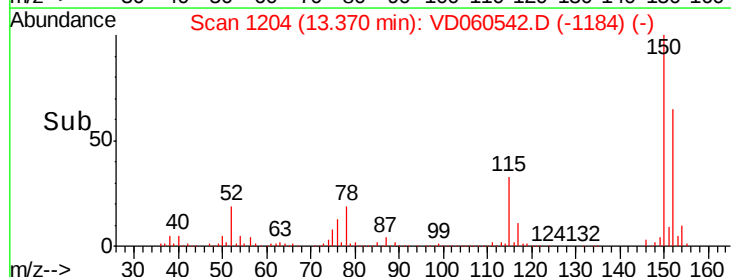
150 153.2 0.0 309.0

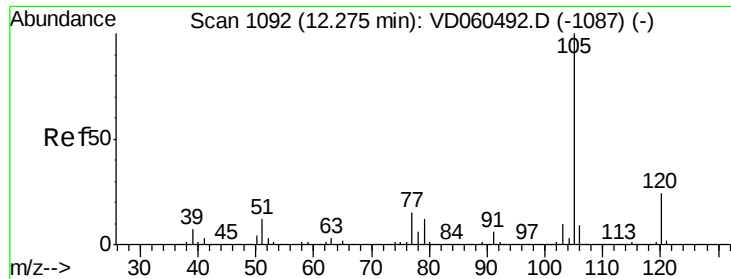


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

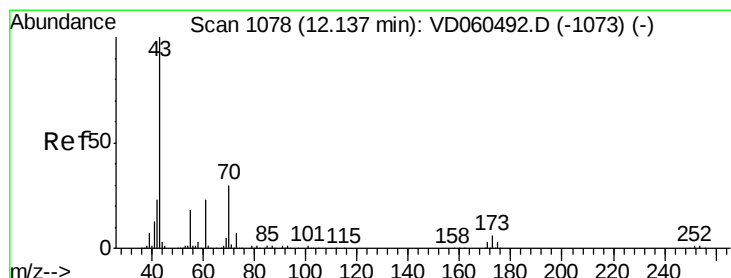
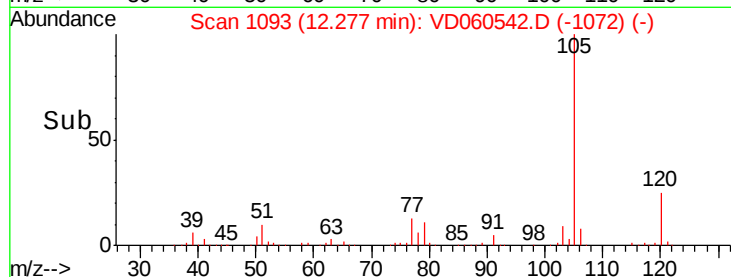
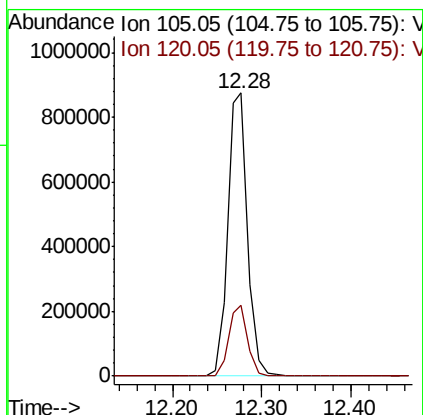
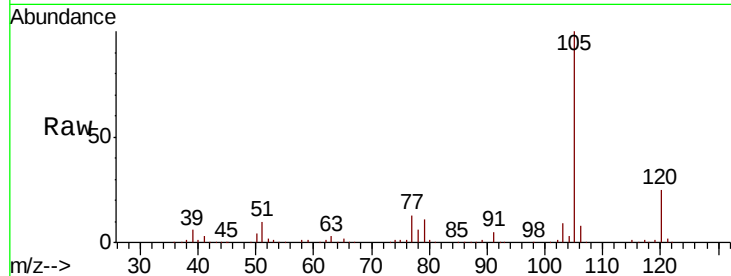




#73
Isopropylbenzene
Concen: 21.102 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

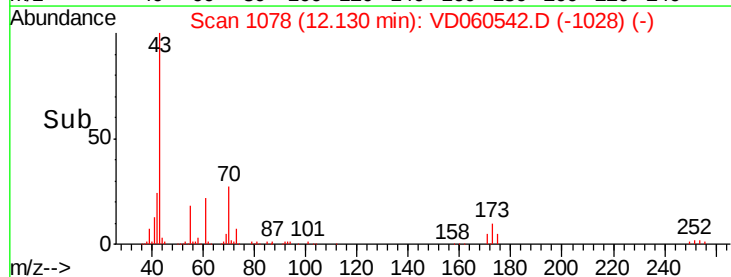
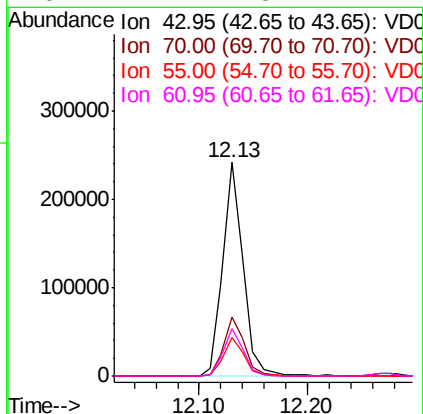
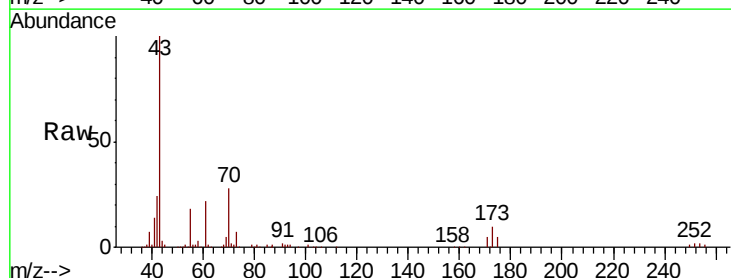
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

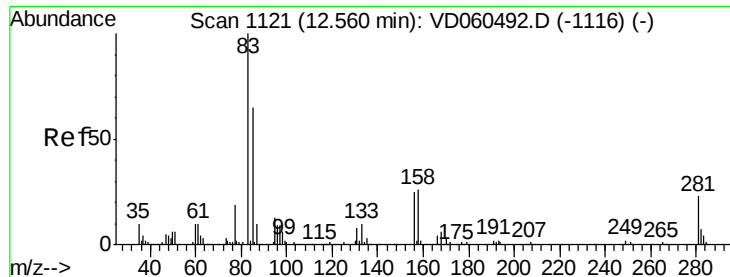
Tot Ion:105 Resp: 1367997
Ion Ratio Lower Upper
105 100
120 24.9 11.9 35.9



#74
N-ethyl acetate
Concen: 20.165 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 43 Resp: 315937
Ion Ratio Lower Upper
43 100
70 27.5 23.8 35.8
55 17.8 14.2 21.2
61 22.1 18.1 27.1

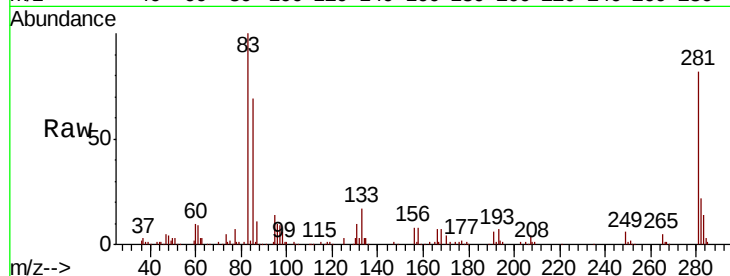




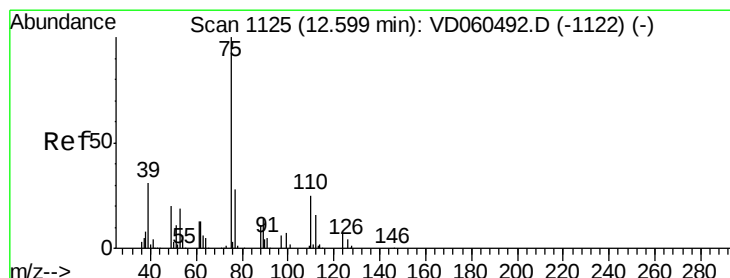
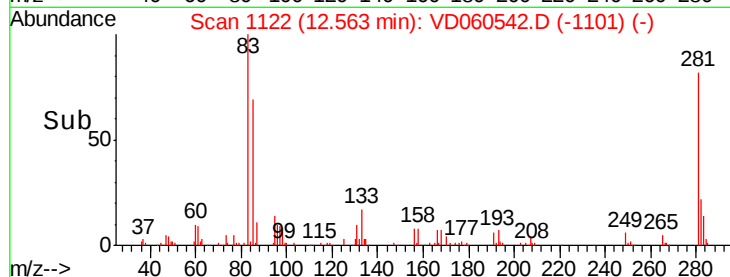
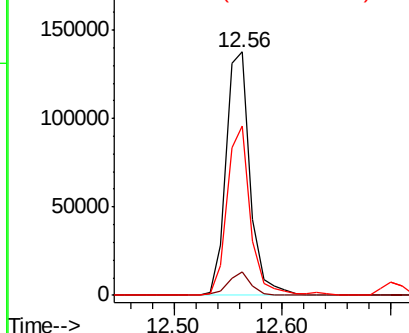
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.544 ug/l
 RT: 12.56 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion: 83 Resp: 213217
 Ion Ratio Lower Upper
 83 100
 131 9.7 3.8 11.4
 85 69.3 32.3 96.9

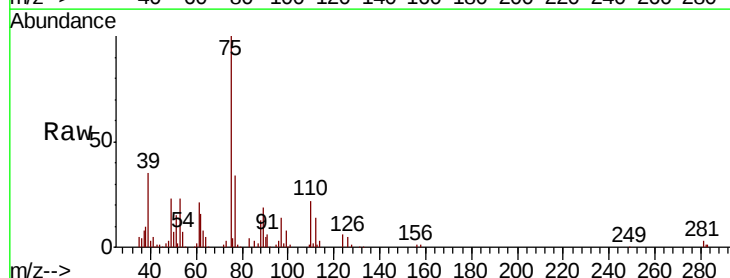


Abundance Ion 82.95 (82.65 to 83.65): VDC
 Ion 130.90 (130.60 to 131.60): VDC
 Ion 84.95 (84.65 to 85.65): VDC

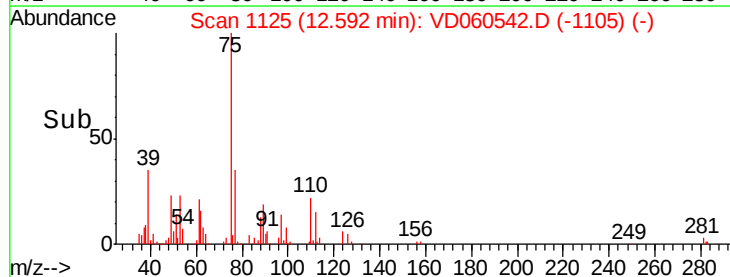
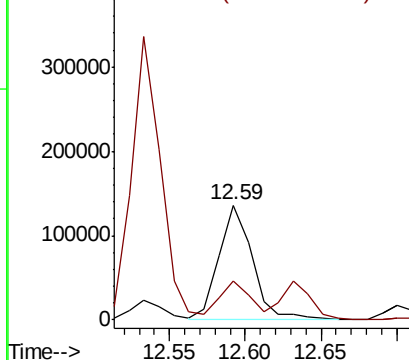


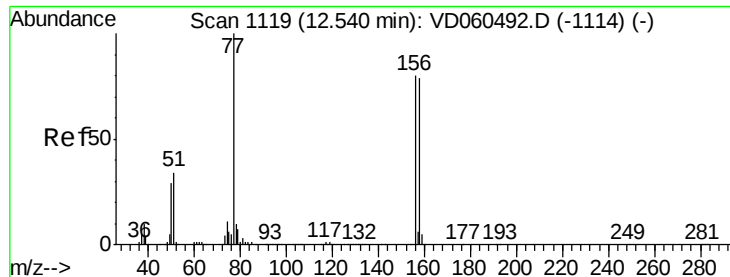
#76
 1,2,3-Trichloropropane
 Concen: 20.078 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 75 Resp: 208414
 Ion Ratio Lower Upper
 75 100
 77 34.3 16.4 49.4



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





#77

Bromobenzene

Concen: 20.970 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBSD01

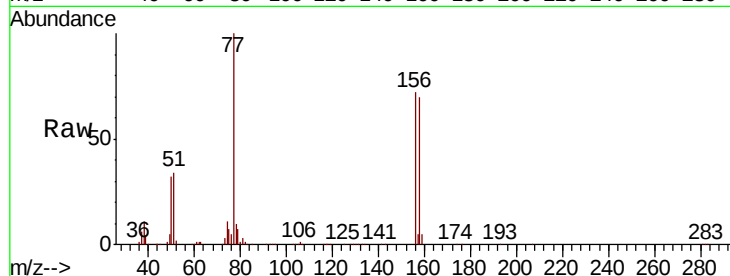
Tot Ion:156 Resp: 357338

Ion Ratio Lower Upper

156 100

77 139.5 62.5 187.6

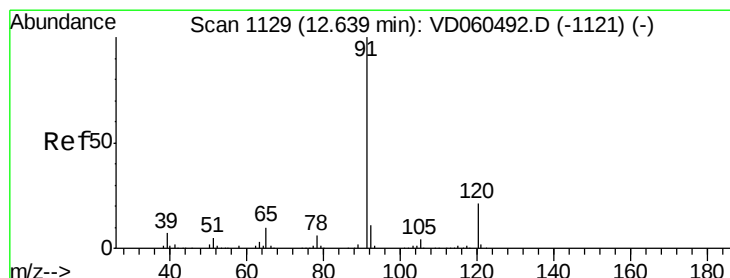
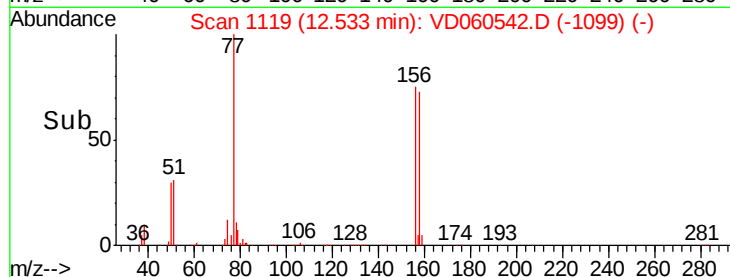
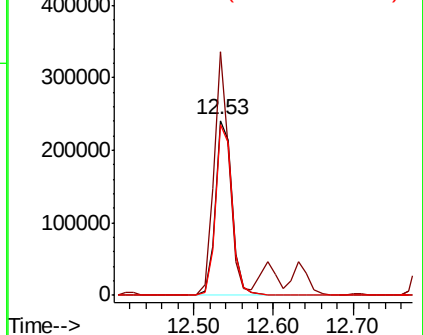
158 97.9 49.4 148.2



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: 21.183 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060542.D

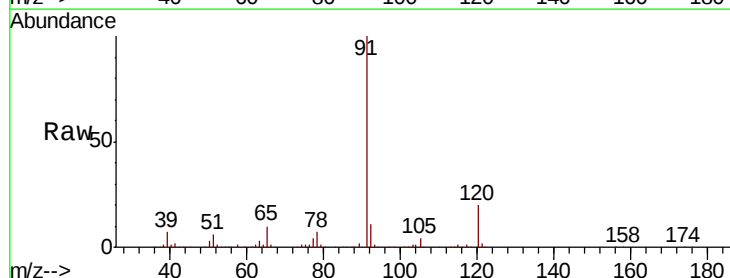
Acq: 12 Dec 2018 12:56

Tgt Ion: 91 Resp: 1735907

Ion Ratio Lower Upper

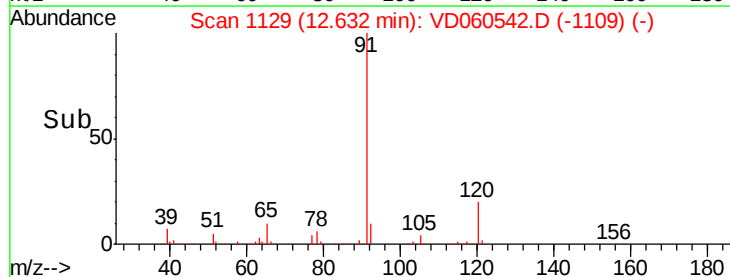
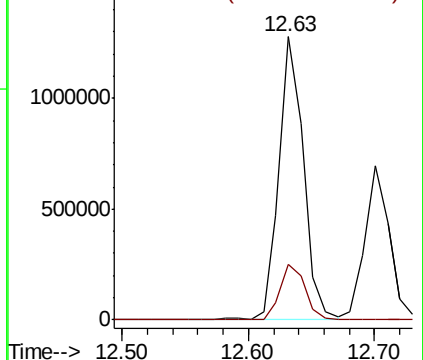
91 100

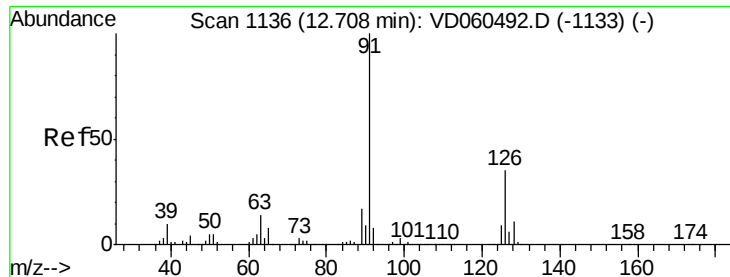
120 19.6 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.058 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

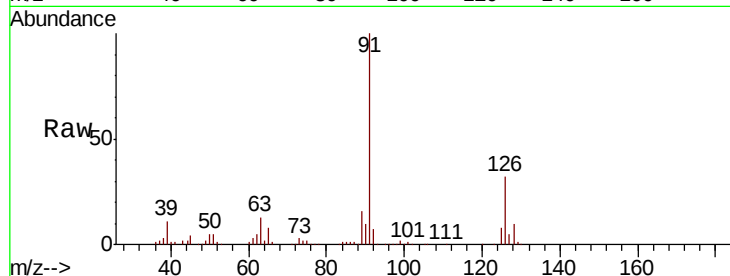
VD1212SBSD01

Tot Ion: 91 Resp: 936415

Ion Ratio Lower Upper

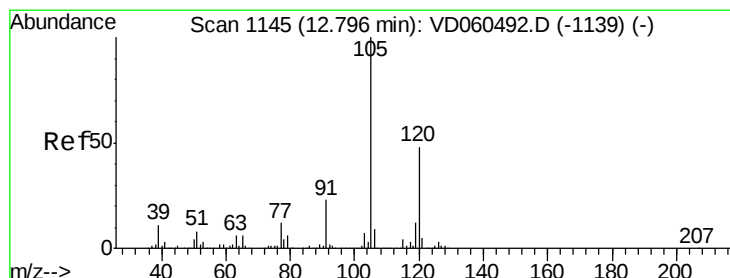
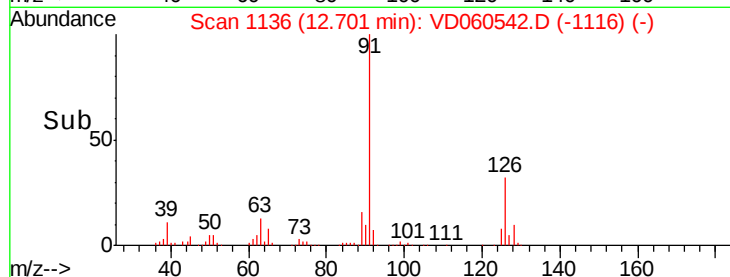
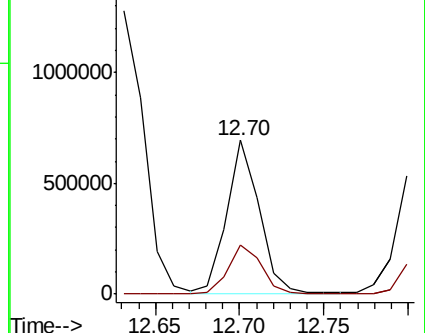
91 100

126 31.9 17.3 52.0



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: 20.941 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060542.D

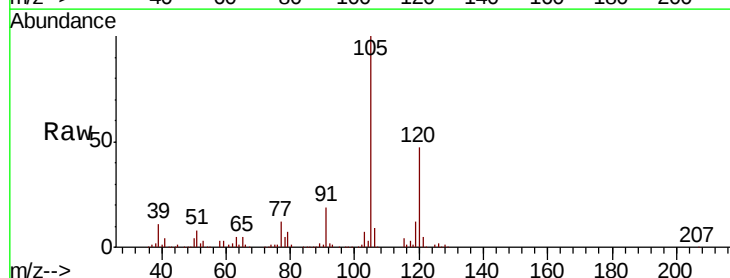
Acq: 12 Dec 2018 12:56

Tgt Ion: 105 Resp: 1037352

Ion Ratio Lower Upper

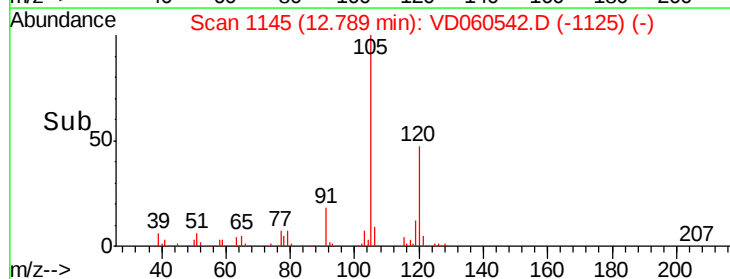
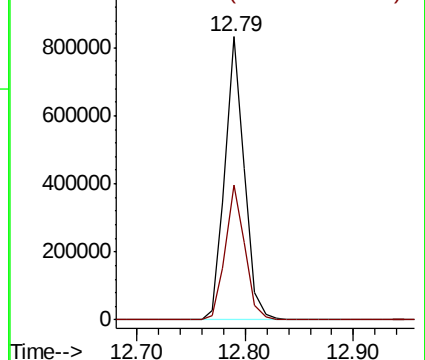
105 100

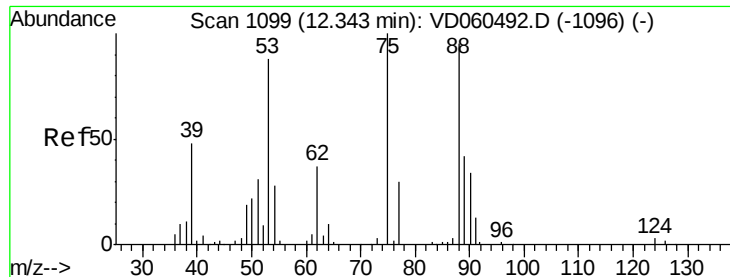
120 47.5 24.2 72.6



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: 20.131 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060542.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

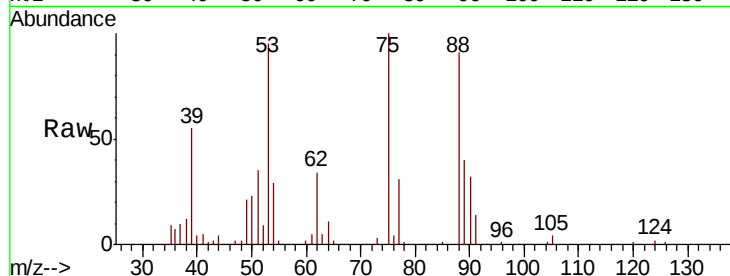
Tot Ion: 75 Resp: 58279

Ion Ratio Lower Upper

75 100

53 94.7 70.5 105.7

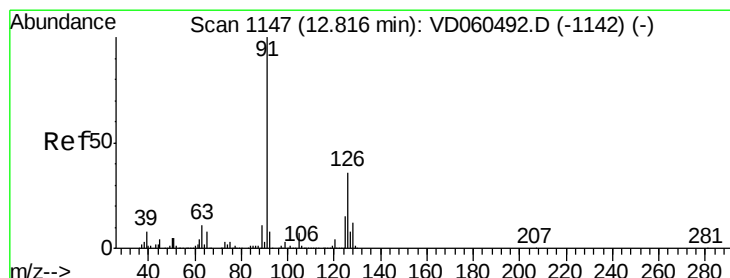
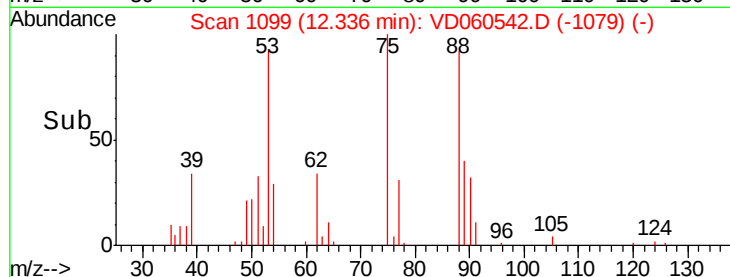
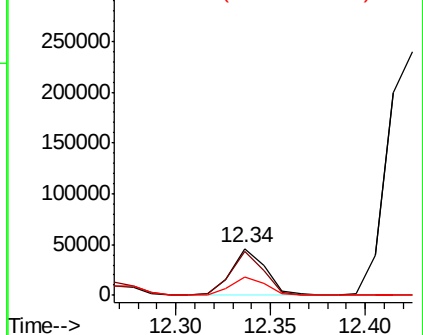
89 39.5 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.925 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060542.D

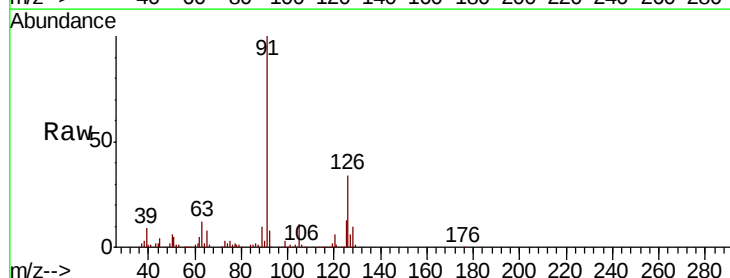
Acq: 12 Dec 2018 12:56

Tgt Ion: 91 Resp: 1045086

Ion Ratio Lower Upper

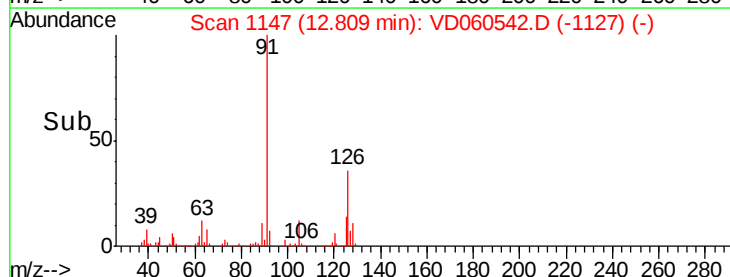
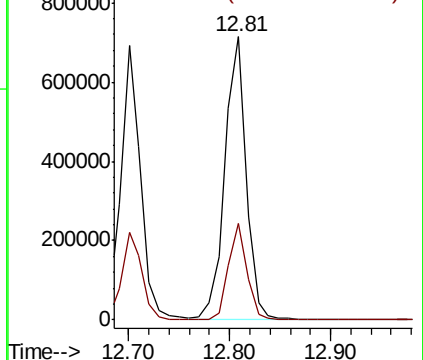
91 100

126 34.1 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



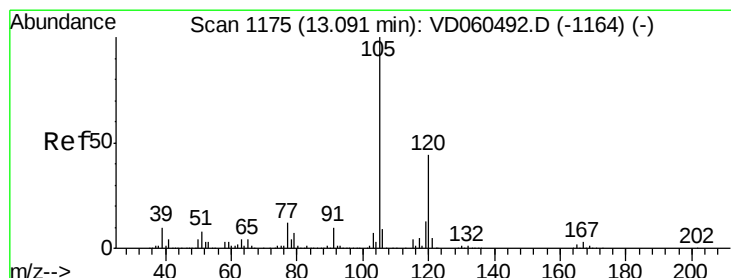
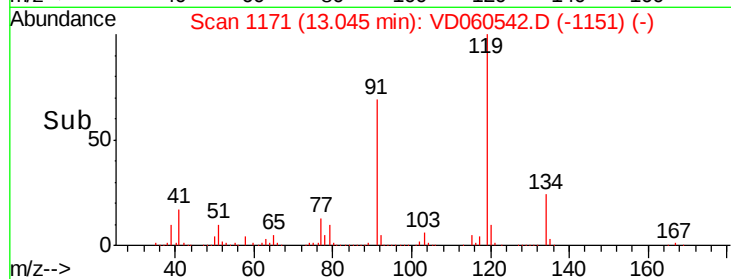
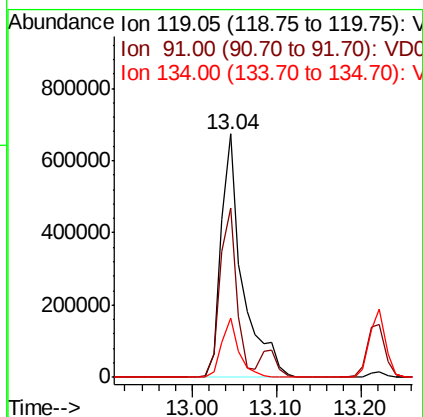
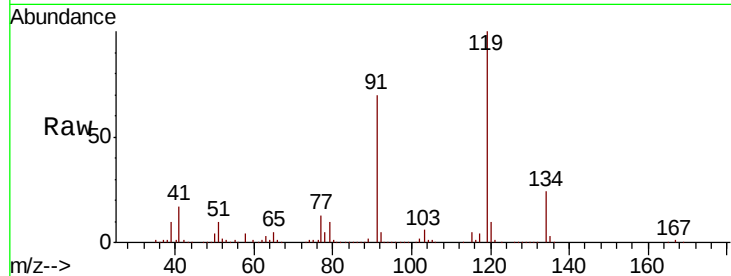


#83
 tert-Butylbenzene
 Concen: 21.548 ug/l
 RT: 13.04 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBSD01

Tot Ion:119 Resp: 1196777

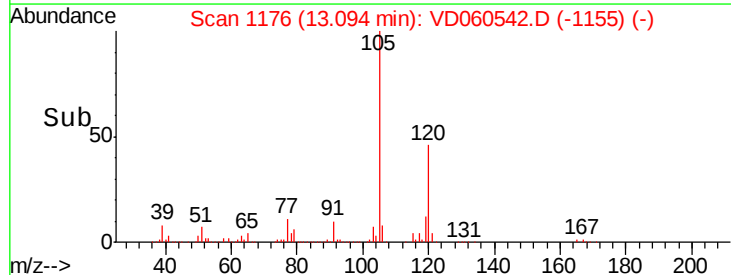
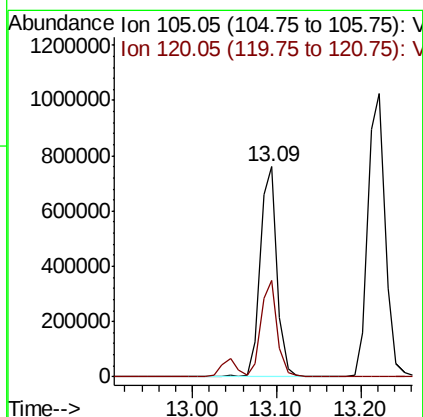
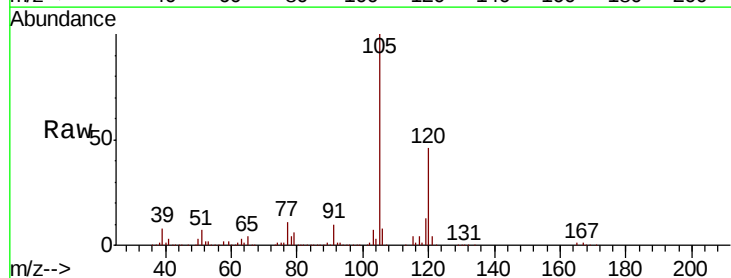
Ion	Ratio	Lower	Upper
119	100		
91	69.5	33.1	99.2
134	24.4	12.0	36.0

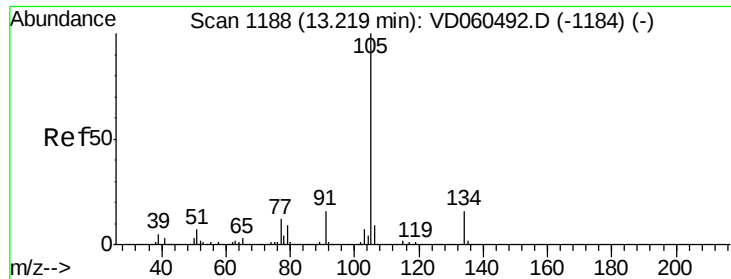


#84
 1,2,4-Trimethylbenzene
 Concen: 20.971 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion:105 Resp: 1075625

Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.8

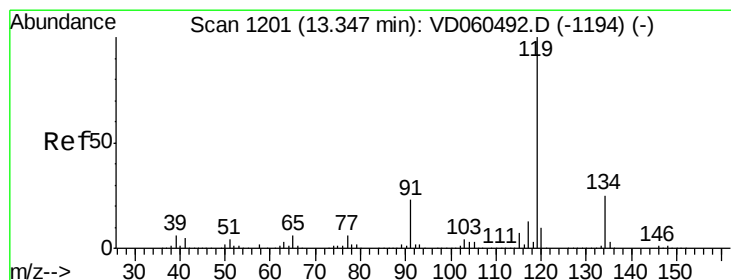
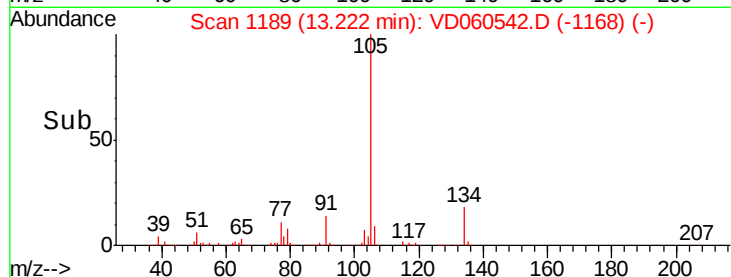
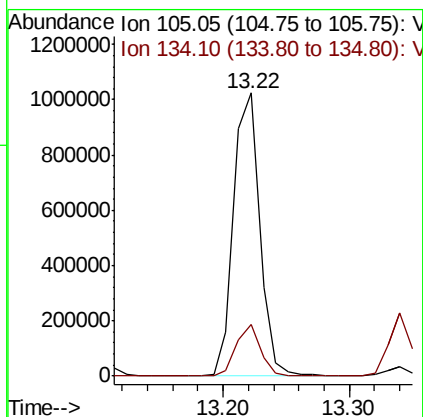
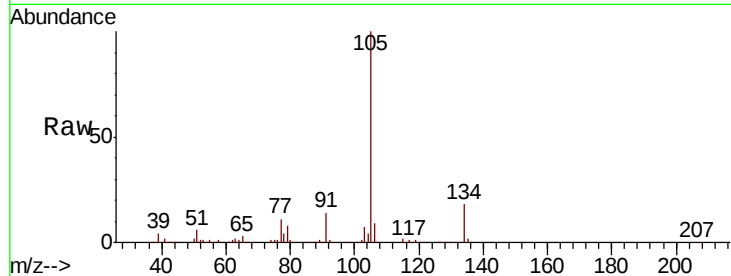




#85
 sec-Butylbenzene
 Concen: 21.109 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

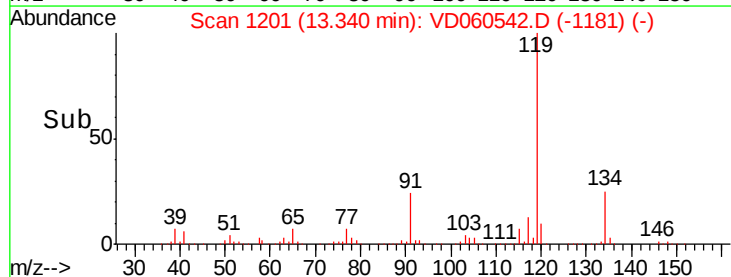
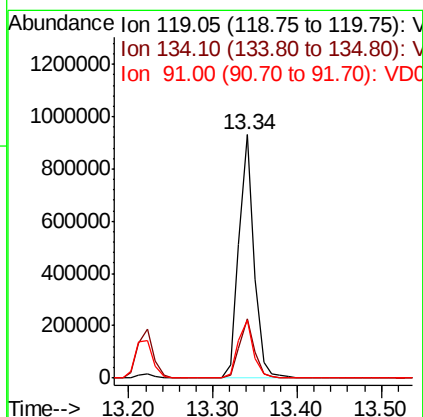
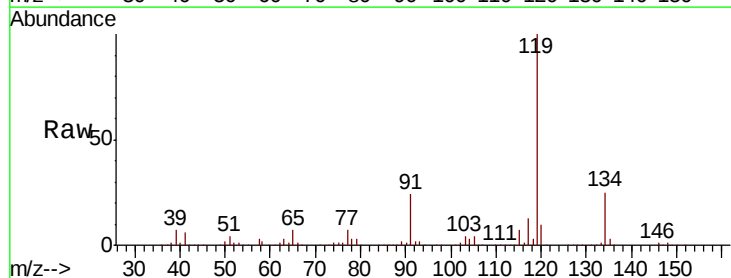
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

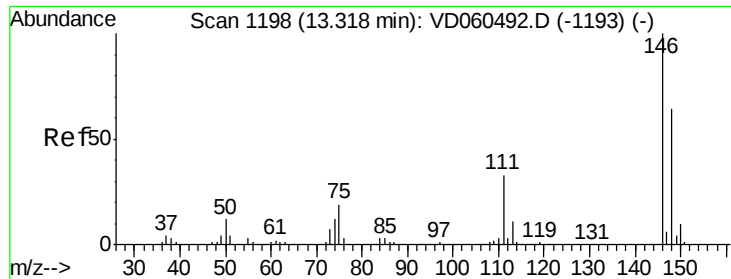
Tot Ion:105 Resp: 1461286
 Ion Ratio Lower Upper
 105 100
 134 18.3 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 21.177 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion:119 Resp: 1162074
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.5 37.5
 91 23.8 11.5 34.4

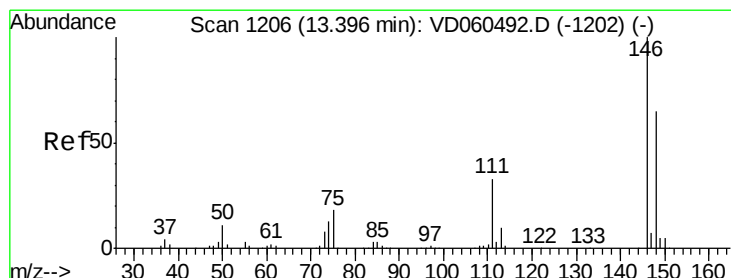
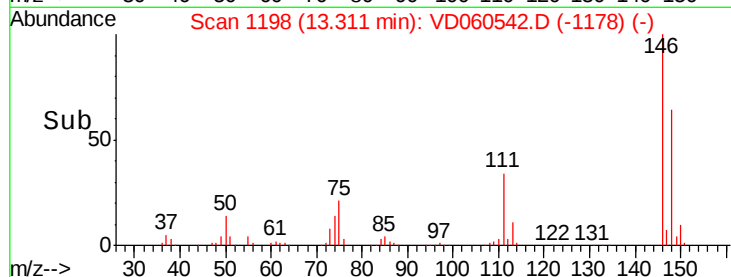
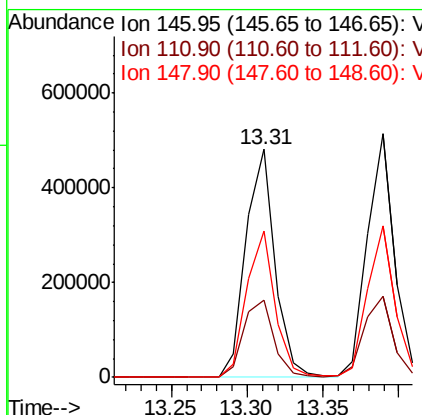
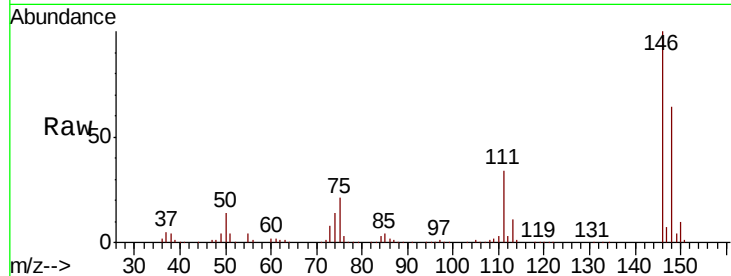




#87
 1,3-Dichlorobenzene
 Concen: 20.904 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

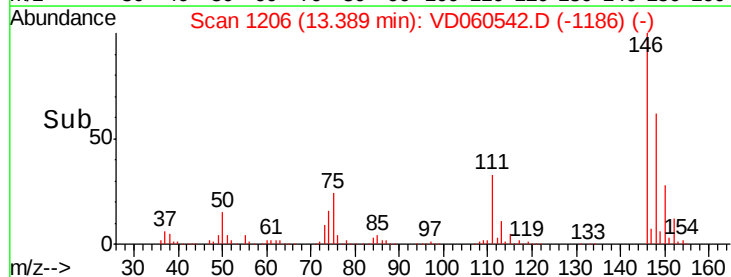
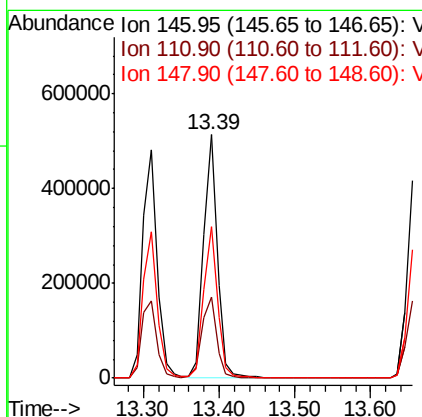
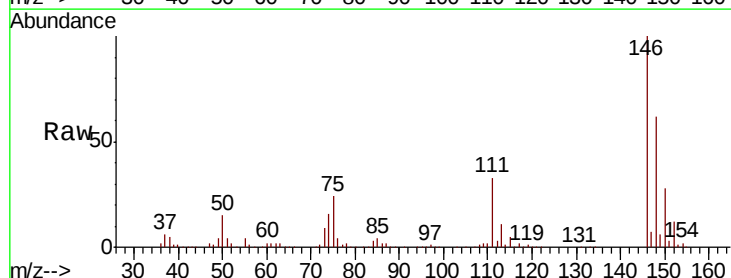
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

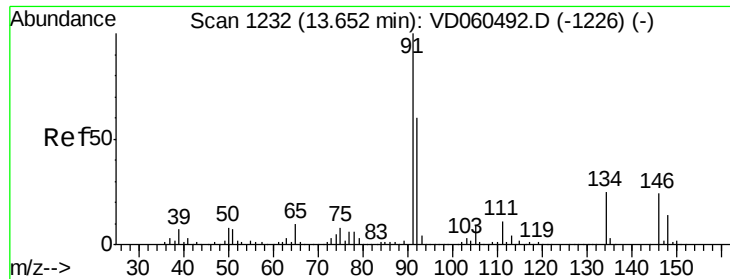
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.0	16.5	49.5
148	64.1	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 21.547 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.4	16.4	49.1
148	62.3	32.6	98.0

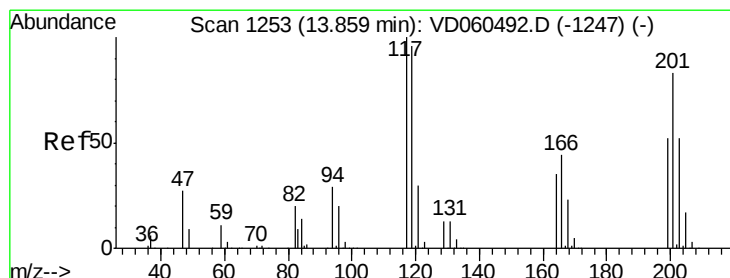
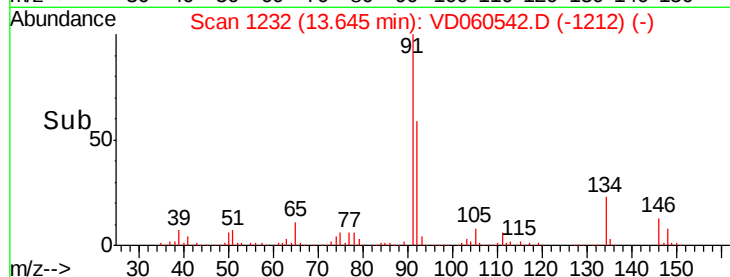
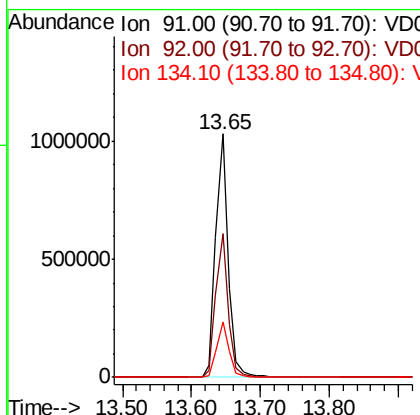
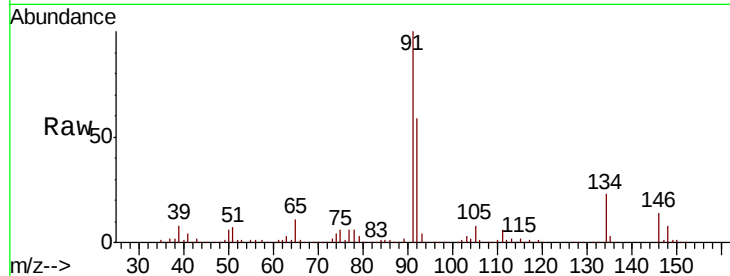




#89
n-Butylbenzene
Concen: 21.190 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

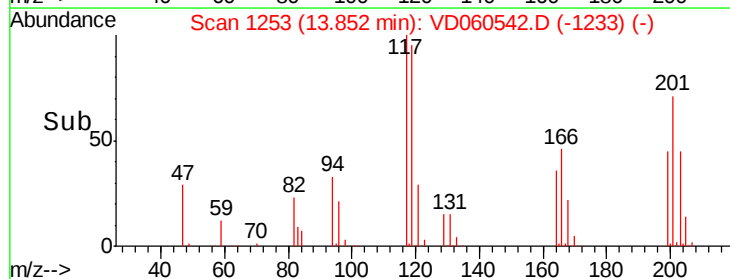
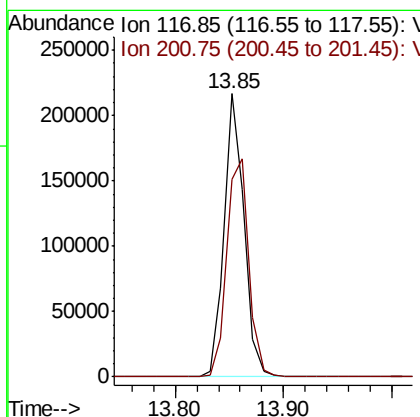
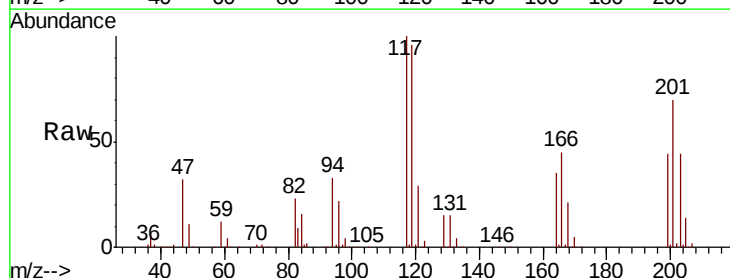
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

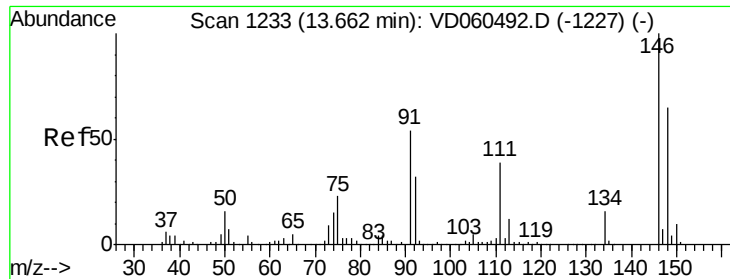
Tot Ion: 91 Resp: 1289020
Ion Ratio Lower Upper
91 100
92 58.9 30.0 90.1
134 22.7 12.5 37.5



#90
Hexachloroethane
Concen: 20.085 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 117 Resp: 276348
Ion Ratio Lower Upper
117 100
201 69.7 41.3 123.9

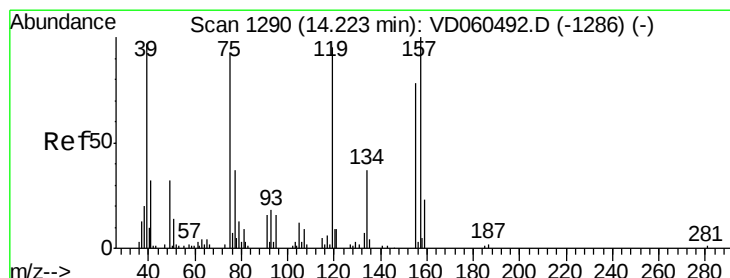
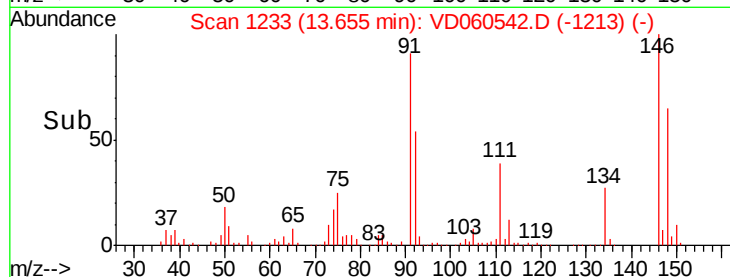
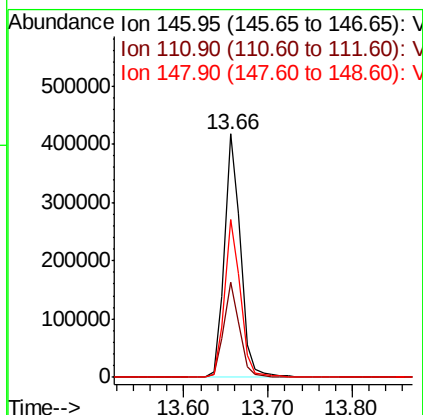
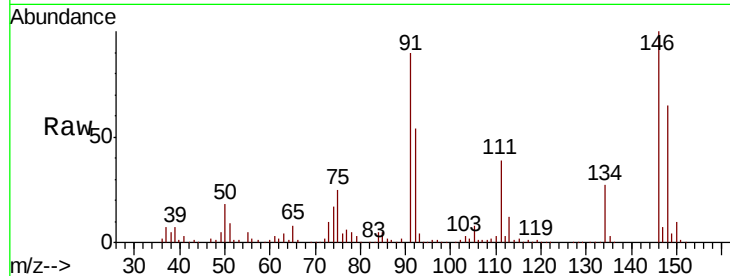




#91
 1,2-Dichlorobenzene
 Concen: 21.890 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

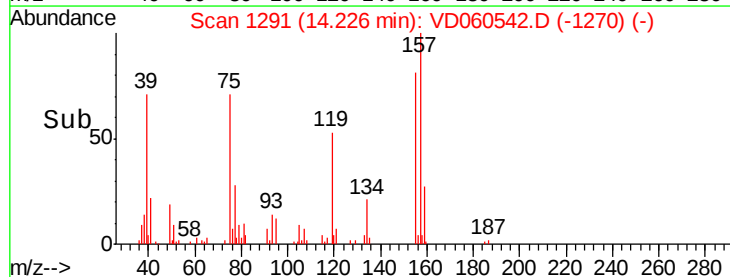
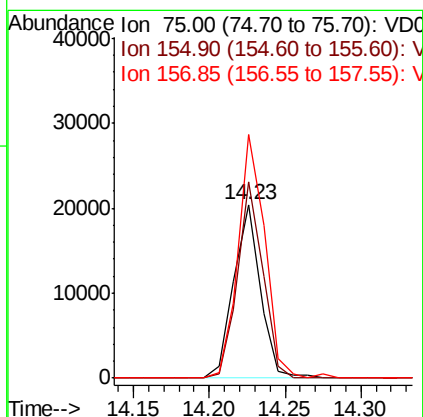
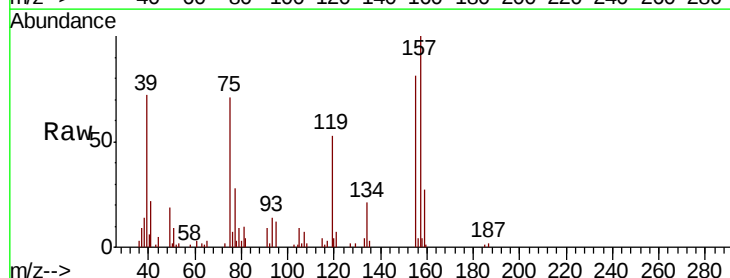
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBSD01

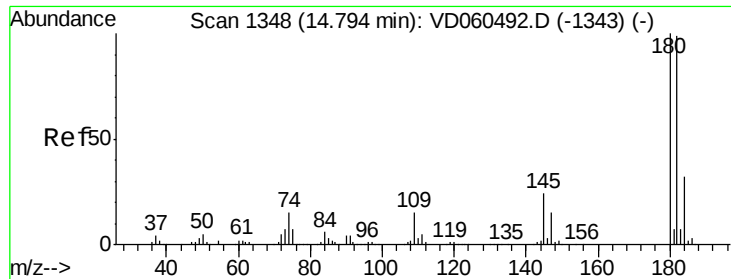
Tot Ion:146 Resp: 551923
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.8
 148 64.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.779 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 75 Resp: 24873
 Ion Ratio Lower Upper
 75 100
 155 113.1 41.6 124.9
 157 140.2 53.6 160.8

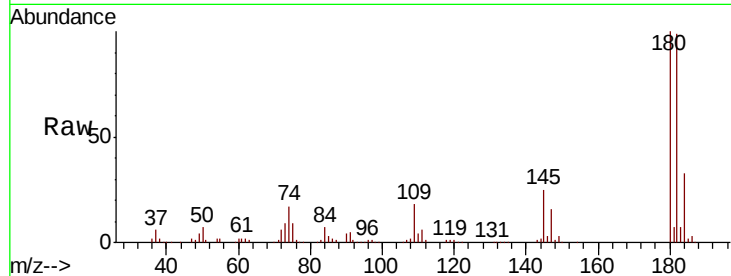




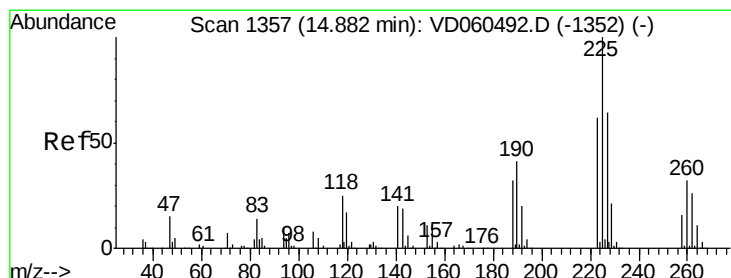
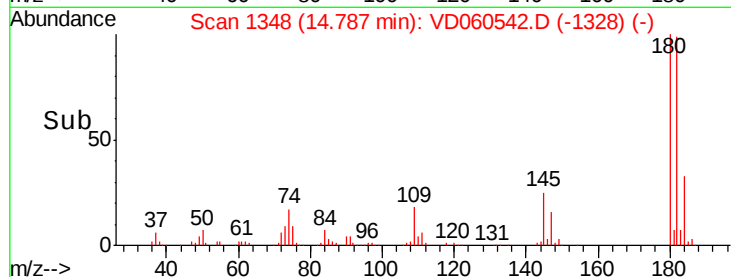
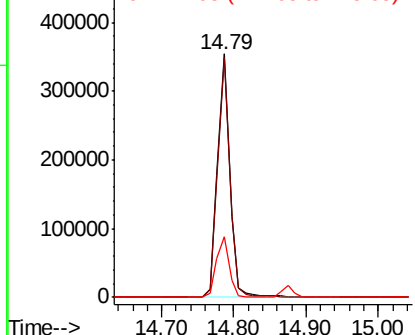
#93
 1,2,4-Trichlorobenzene
 Concen: 21.074 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion:180 Resp: 415373
 Ion Ratio Lower Upper
 180 100
 182 98.7 49.4 148.0
 145 24.9 11.9 35.9

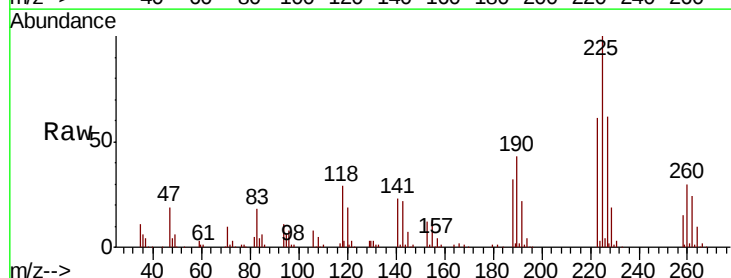


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

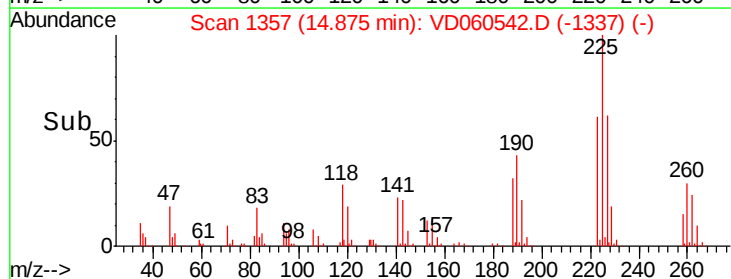
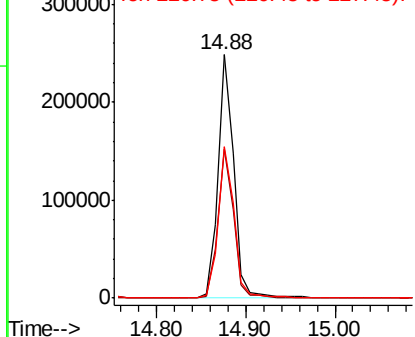


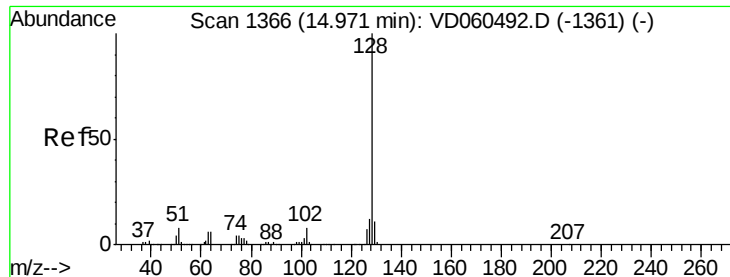
#94
 Hexachlorobutadiene
 Concen: 21.158 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060542.D
 Acq: 12 Dec 2018 12:56

Tgt Ion:225 Resp: 307681
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.2 93.6
 227 62.3 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

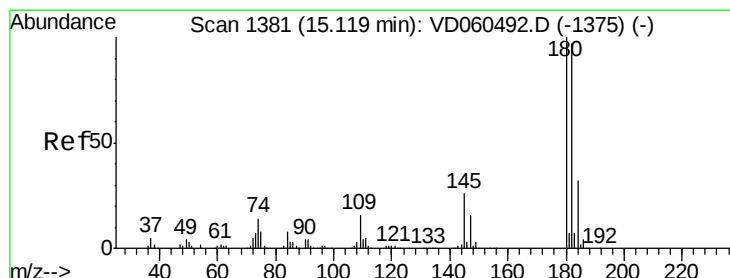
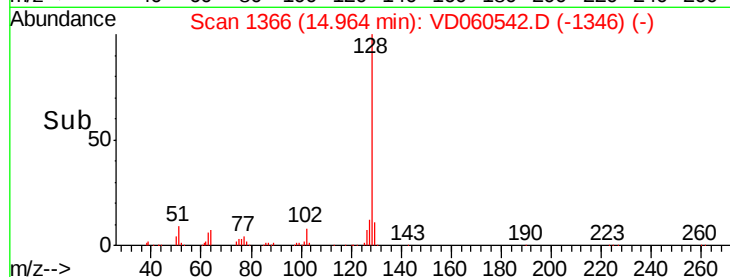
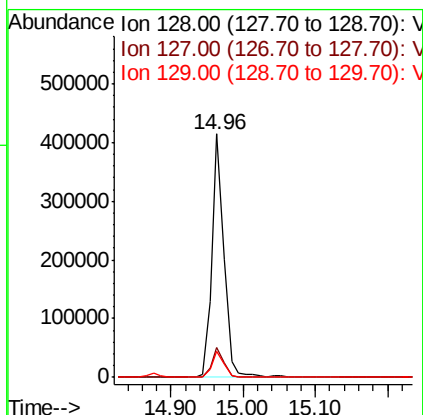
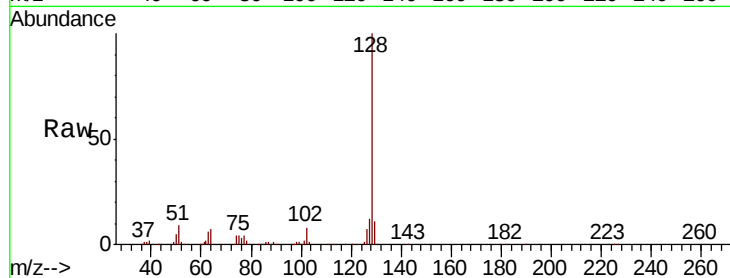




#95
Naphthalene
Concen: 20.402 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBSD01

Tot Ion:128 Resp: 478403
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.186 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060542.D
Acq: 12 Dec 2018 12:56

Tgt Ion:180 Resp: 317023
Ion Ratio Lower Upper
180 100
182 96.4 48.5 145.5
145 27.7 12.9 38.7

