

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100218\
 Data File : VD060110.D
 Acq On : 2 Oct 2018 12:23
 Operator : VA/AP
 Sample : VD1002SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Quant Time: Oct 03 01:09:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1639261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2218415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1806176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	948780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	650259	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	6.30	113	894440	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
50) Toluene-d8	9.44	98	2529165	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.42	95	949273	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	276838	17.953	ug/l	98
3) Chloromethane	1.74	50	296652	21.335	ug/l	97
4) Vinyl Chloride	1.84	62	232576	20.439	ug/l	99
5) Bromomethane	2.12	94	21049	14.732	ug/l	93
6) Chloroethane	2.22	64	53519	17.235	ug/l	98
7) Trichlorofluoromethane	2.49	101	258172	18.948	ug/l	99
8) Diethyl Ether	2.81	74	57392	20.484	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.07	101	174104	20.511	ug/l	99
10) Methyl Iodide	3.22	142	138667	15.405	ug/l	99
11) Tert butyl alcohol	3.95	59	89993	100.984	ug/l #	94
12) 1,1-Dichloroethene	3.05	96	136998	20.487	ug/l	96
13) Acrolein	2.97	56	59978	109.179	ug/l	97
14) Allyl chloride	3.51	41	279665	20.137	ug/l	98
15) Acrylonitrile	4.06	53	369713	100.230	ug/l	97
16) Acetone	3.14	43	243379	107.942	ug/l	100
17) Carbon Disulfide	3.28	76	453097	20.149	ug/l	100
18) Methyl Acetate	3.53	43	91175	18.814	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	594772	20.230	ug/l	94
20) Methylene Chloride	3.70	84	365169	17.807	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	340641	19.724	ug/l	98
22) Diisopropyl ether	4.84	45	1224750	19.746	ug/l	97
23) Vinyl Acetate	4.78	43	3628675	104.081	ug/l	99
24) 1,1-Dichloroethane	4.73	63	544522	19.363	ug/l	100
25) 2-Butanone	5.61	43	611385	108.540	ug/l	99
26) 2,2-Dichloropropane	5.57	77	435932	20.448	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	355059	19.404	ug/l	92
28) Bromochloromethane	5.90	49	274023	20.052	ug/l	98
29) Tetrahydrofuran	5.94	42	319255	97.577	ug/l	99
30) Chloroform	6.08	83	575646	20.236	ug/l	99
31) Cyclohexane	6.34	56	525458	19.519	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	469800	20.158	ug/l	97
36) 1,1-Dichloropropene	6.50	75	428100	20.194	ug/l	99
37) Ethyl Acetate	5.68	43	295049	20.969	ug/l	99
38) Carbon Tetrachloride	6.48	117	389995	20.270	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	480366	19.943	ug/l	98
40) Benzene	6.78	78	1120569	20.205	ug/l	99
41) Methacrylonitrile	5.93	41	325137	40.881	ug/l #	91
42) 1,2-Dichloroethane	6.88	62	321934	20.247	ug/l	99
43) Isopropyl Acetate	8.33	43	378964	20.471	ug/l #	99
44) Trichloroethene	7.72	130	348465	20.297	ug/l	98
45) 1,2-Dichloropropane	8.09	63	299531	20.626	ug/l	96
46) Dibromomethane	8.20	93	185298	19.709	ug/l	97
47) Bromodichloromethane	8.48	83	409578	20.446	ug/l	99
48) Methyl methacrylate	8.23	41	210619	19.974	ug/l	97
49) 1,4-Dioxane	8.21	88	41300	398.067	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	1240892	106.277	ug/l	97
52) Toluene	9.53	92	742223	20.780	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	370038	20.415	ug/l	97
54) cis-1,3-Dichloropropene	9.09	75	452055	20.196	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	236536	20.257	ug/l	95
56) Ethyl methacrylate	10.02	69	265014	20.561	ug/l	98
57) 1,3-Dichloropropane	10.37	76	369949	20.774	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	782976	109.391	ug/l	99
59) 2-Hexanone	10.48	43	923230	109.960	ug/l	100
60) Dibromochloromethane	10.63	129	290025	20.244	ug/l	99
61) 1,2-Dibromoethane	10.75	107	250115	20.160	ug/l	97
64) Tetrachloroethene	10.24	164	321498	20.323	ug/l	99
65) Chlorobenzene	11.30	112	794616	20.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	265130	20.340	ug/l	98
67) Ethyl Benzene	11.42	91	1322788	20.895	ug/l	100
68) m/p-Xylenes	11.56	106	1005637	42.515	ug/l	99
69) o-Xylene	11.92	106	463075	19.792	ug/l	88
70) Styrene	11.95	104	795249	20.325	ug/l	99
71) Bromoform	12.11	173	208001	19.706	ug/l	98
73) Isopropylbenzene	12.27	105	1315889	21.023	ug/l	99
74) N-amyl acetate	12.13	43	480647	20.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	282900	20.703	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	286026	20.933	ug/l	100
77) Bromobenzene	12.53	156	372628	20.486	ug/l	93
78) n-propylbenzene	12.63	91	1639736	21.098	ug/l	99
79) 2-Chlorotoluene	12.70	91	894539	20.738	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1042111	21.512	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	78416	20.425	ug/l	98
82) 4-Chlorotoluene	12.80	91	1048460	21.489	ug/l	92
83) tert-Butylbenzene	13.05	119	1126932	20.272	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1042809	20.424	ug/l	96
85) sec-Butylbenzene	13.21	105	1395262	21.227	ug/l	97
86) p-Isopropyltoluene	13.34	119	1152123	21.370	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	669463	21.125	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	660828	20.761	ug/l	95
89) n-Butylbenzene	13.65	91	1199362	22.799	ug/l	98
90) Hexachloroethane	13.85	117	256252	20.538	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	590864	22.175	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	35630	19.528	ug/l	78

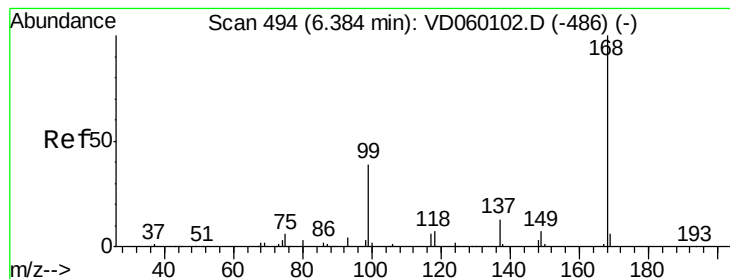
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100218\
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Quant Time: Oct 03 01:09:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	455159	20.125	ug/l	98
94) Hexachlorobutadiene	14.88	225	308601	20.527	ug/l	98
95) Naphthalene	14.96	128	678479	20.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	394686	20.061	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

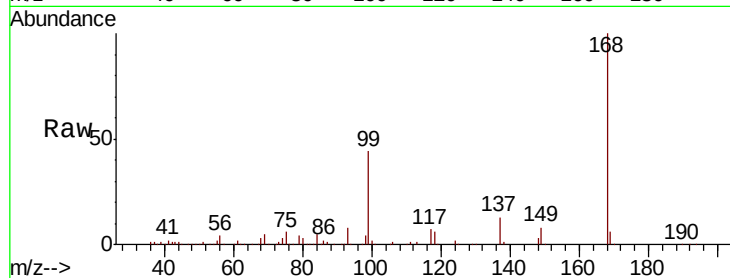
VD1002SBS01

Tot Ion:168 Resp: 1639261

Ion Ratio Lower Upper

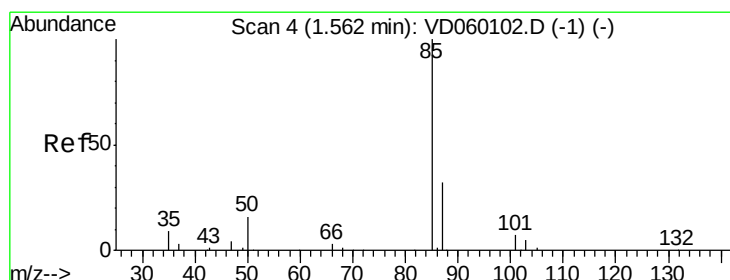
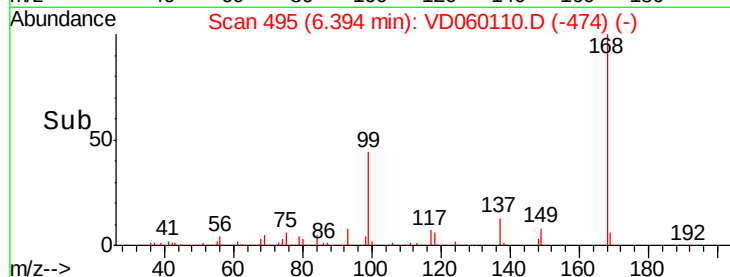
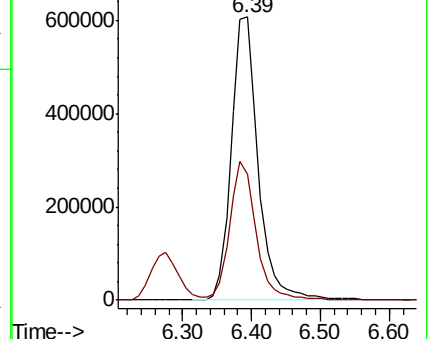
168 100

99 44.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.953 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060110.D

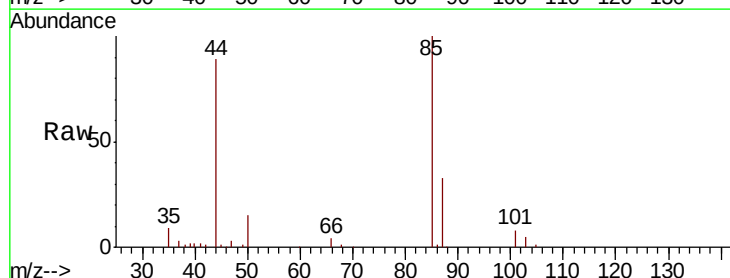
Acq: 2 Oct 2018 12:23

Tgt Ion: 85 Resp: 276838

Ion Ratio Lower Upper

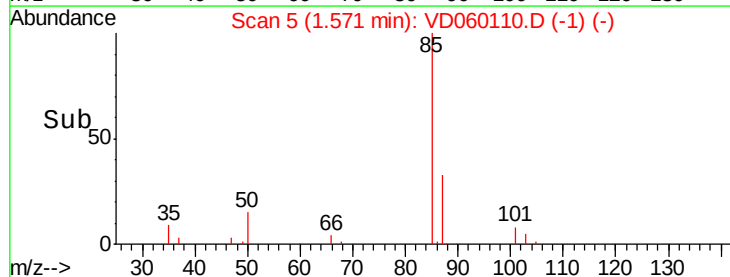
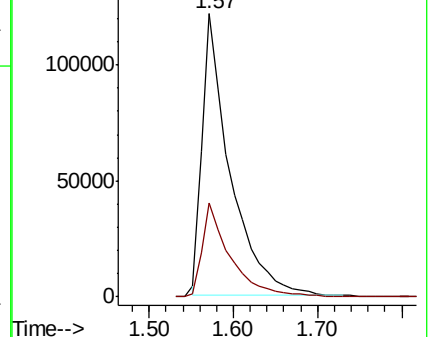
85 100

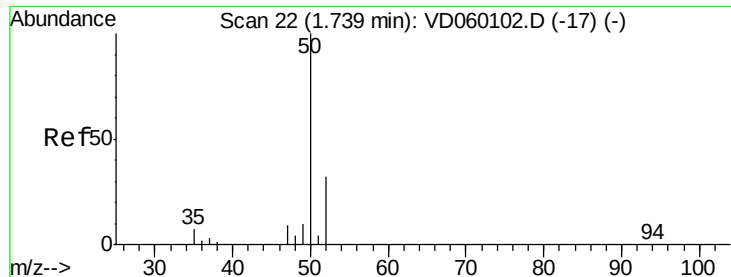
87 33.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.335 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

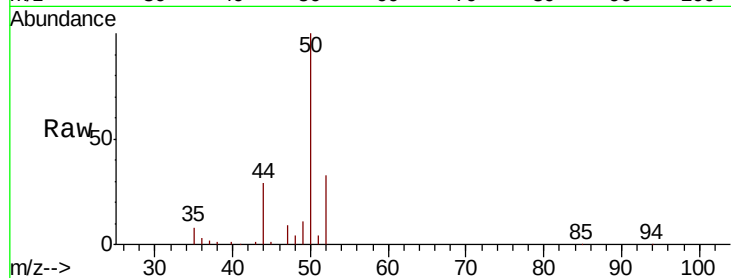
VD1002SBS01

Tot Ion: 50 Resp: 296652

Ion Ratio Lower Upper

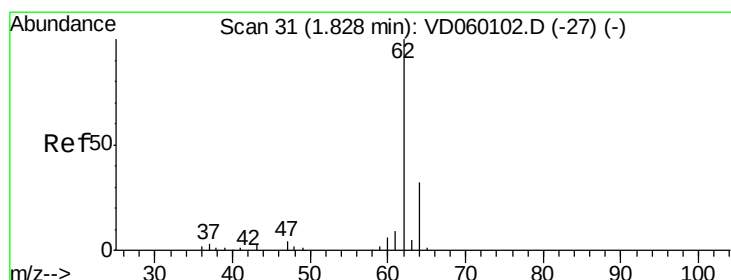
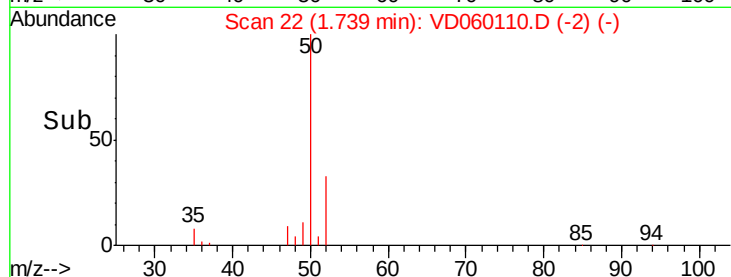
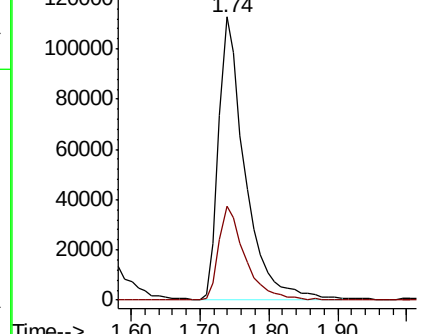
50 100

52 33.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.439 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060110.D

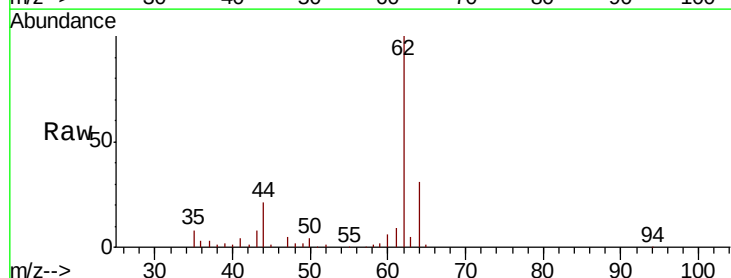
Acq: 2 Oct 2018 12:23

Tgt Ion: 62 Resp: 232576

Ion Ratio Lower Upper

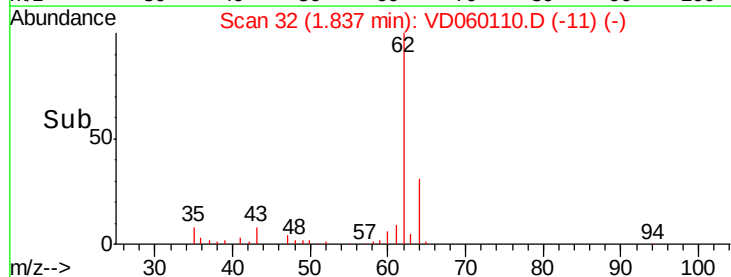
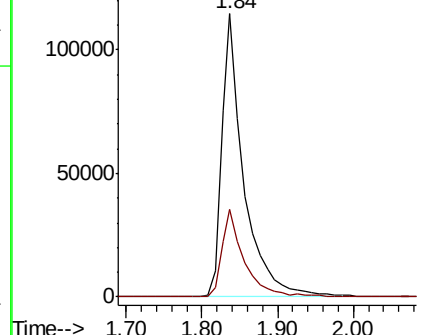
62 100

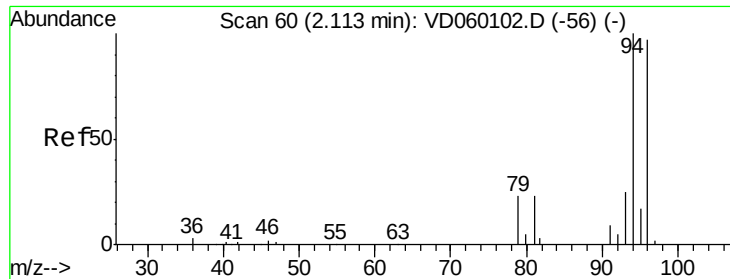
64 30.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.732 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

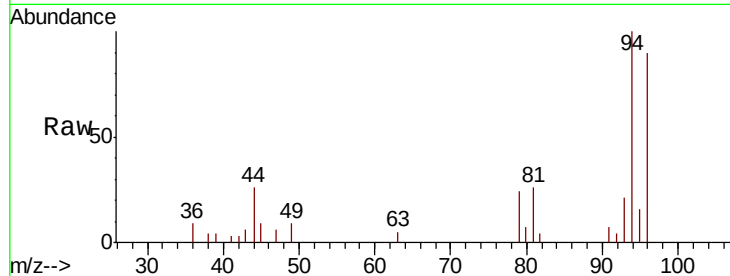
VD1002SBS01

Tot Ion: 94 Resp: 21049

Ion Ratio Lower Upper

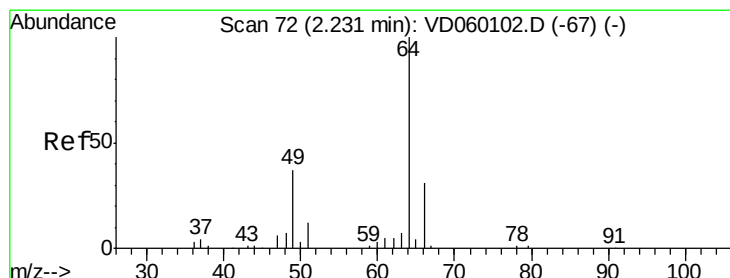
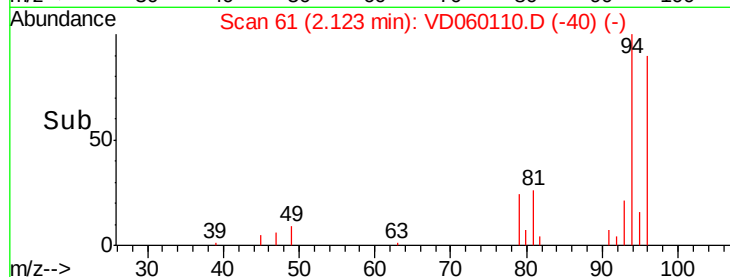
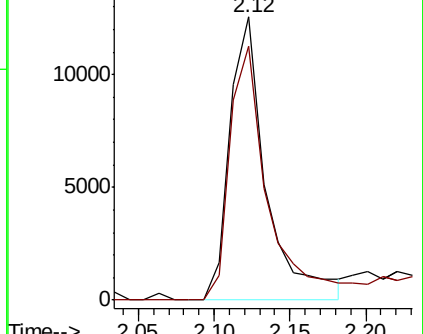
94 100

96 89.9 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.235 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060110.D

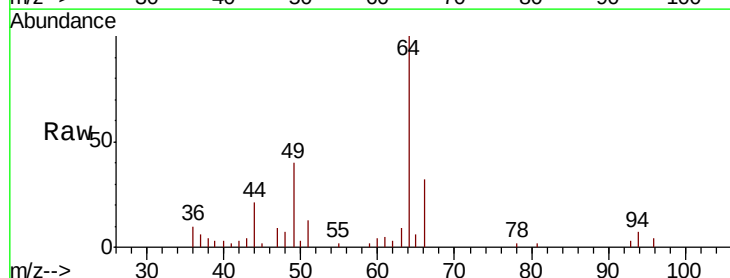
Acq: 2 Oct 2018 12:23

Tgt Ion: 64 Resp: 53519

Ion Ratio Lower Upper

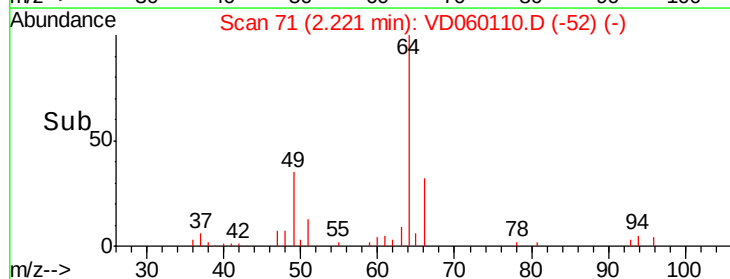
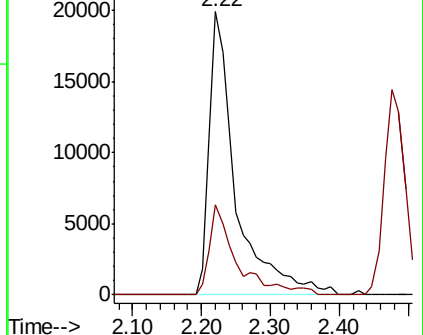
64 100

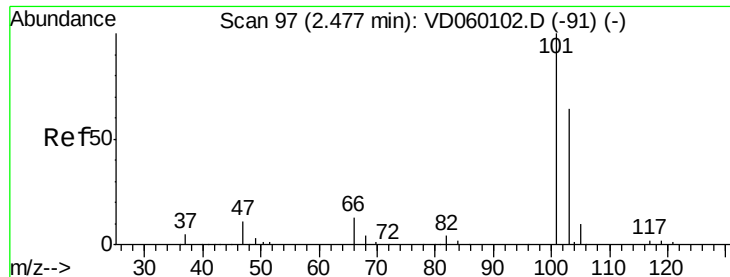
66 31.9 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 18.948 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

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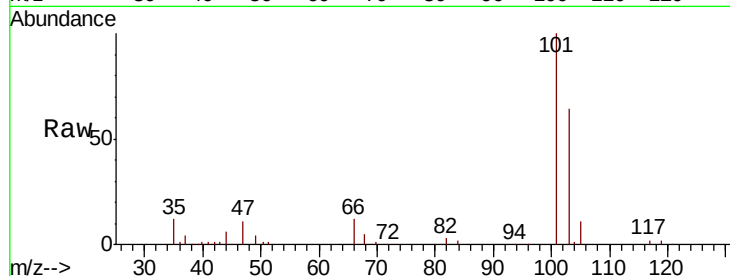
VD1002SBS01

Tot Ion:101 Resp: 258172

Ion Ratio Lower Upper

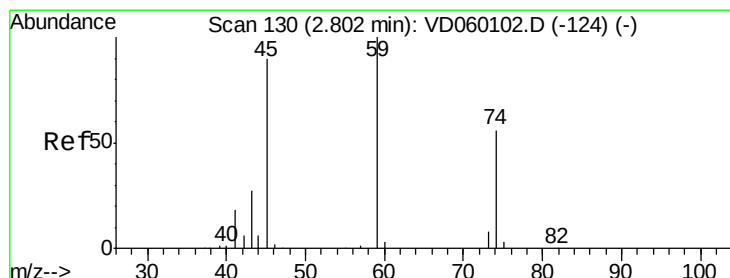
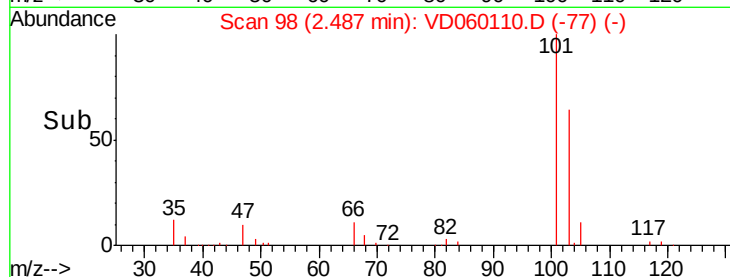
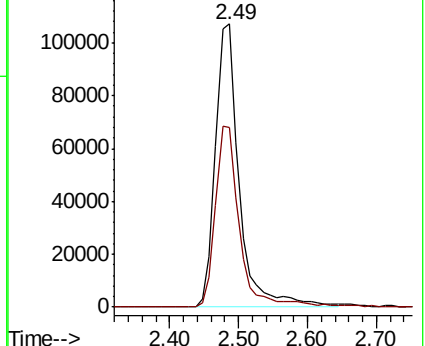
101 100

103 63.7 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 20.484 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060110.D

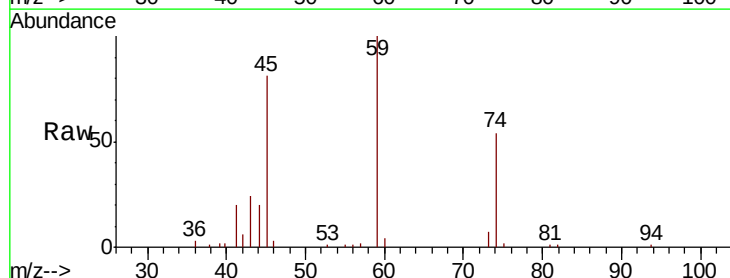
Acq: 2 Oct 2018 12:23

Tgt Ion: 74 Resp: 57392

Ion Ratio Lower Upper

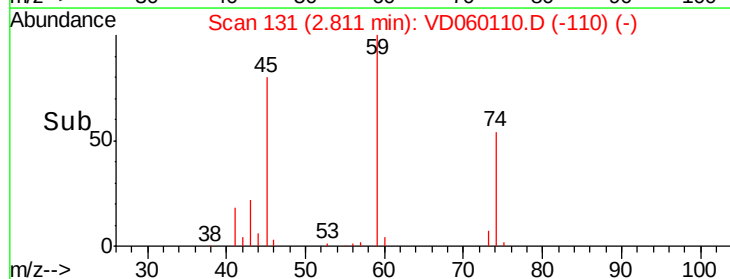
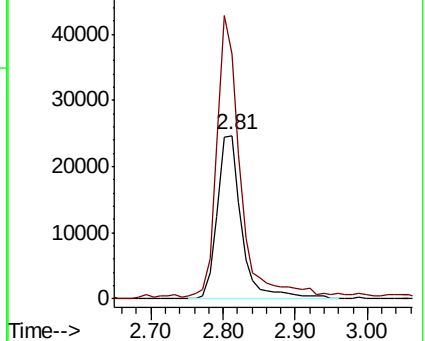
74 100

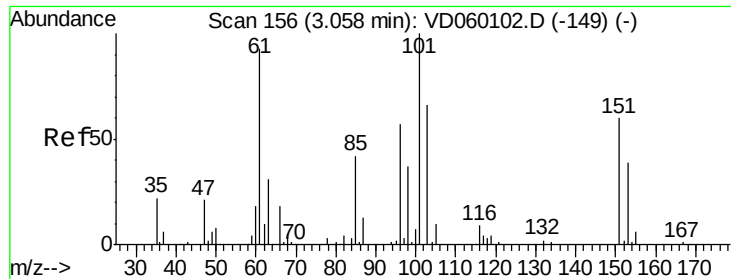
45 149.8 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.511 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

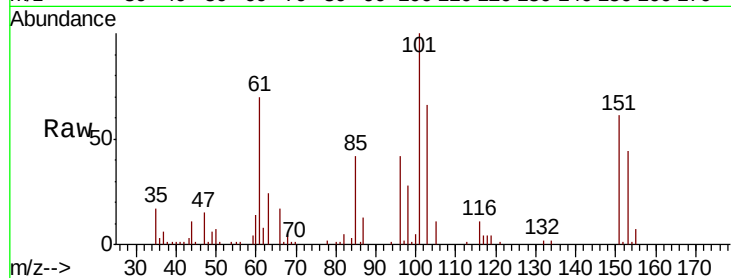
Tot Ion:101 Resp: 174104

Ion Ratio Lower Upper

101 100

85 41.8 33.4 50.0

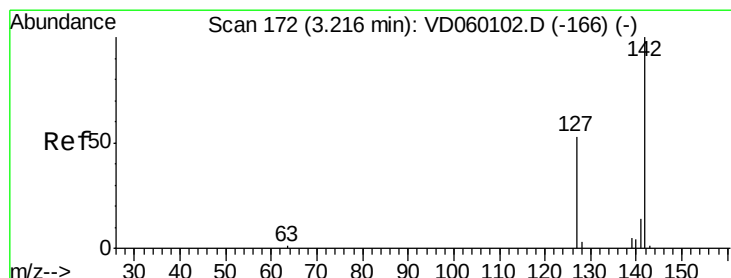
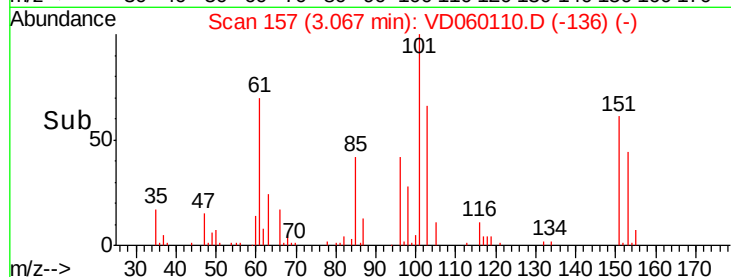
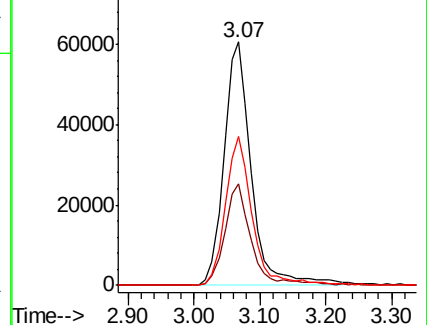
151 61.3 48.0 72.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.405 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

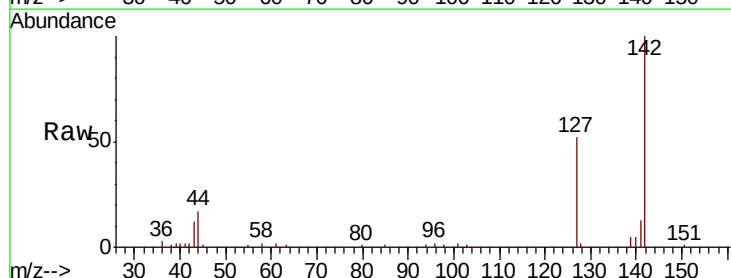
Tgt Ion:142 Resp: 138667

Ion Ratio Lower Upper

142 100

127 52.1 42.0 63.0

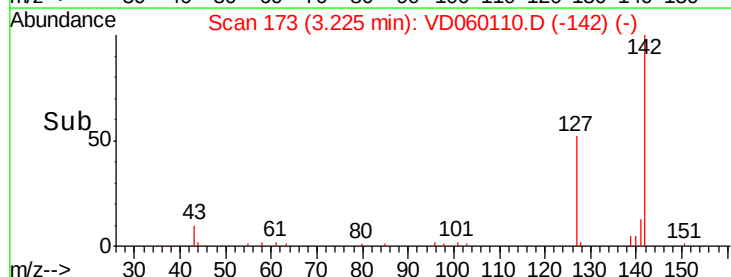
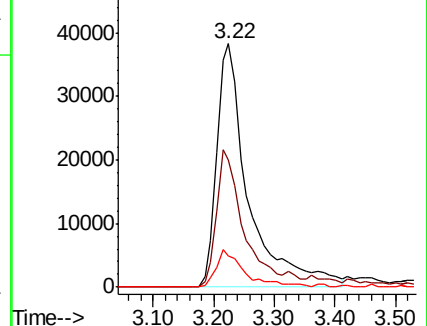
141 13.0 11.4 17.0

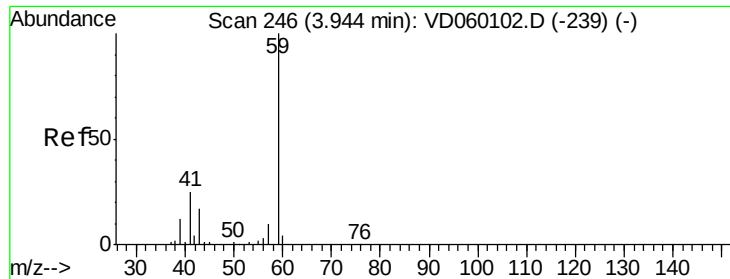


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



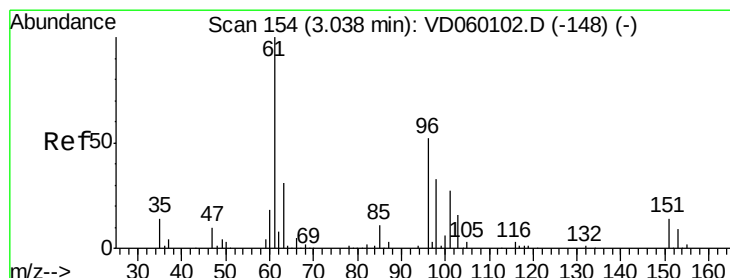
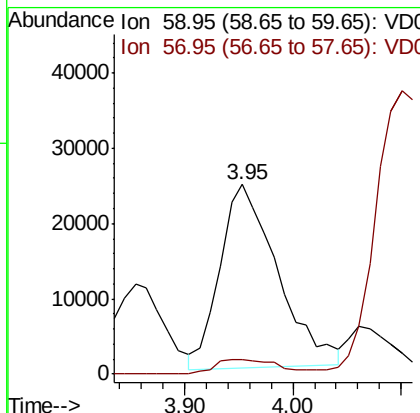
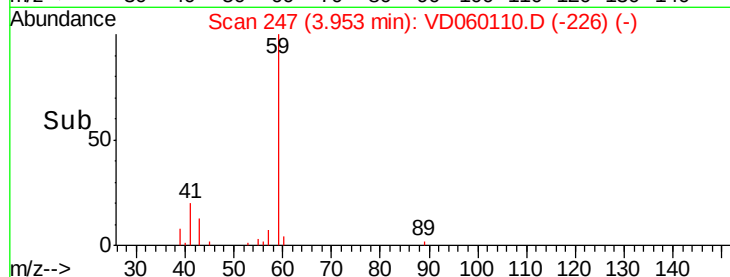
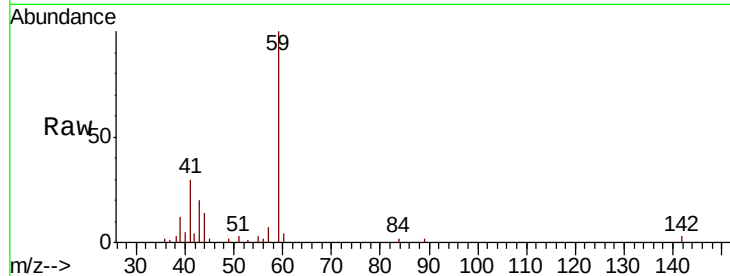


#11

Tert butyl alcohol
 Concen: 100.984 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

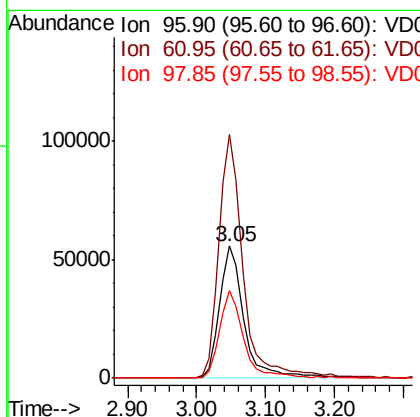
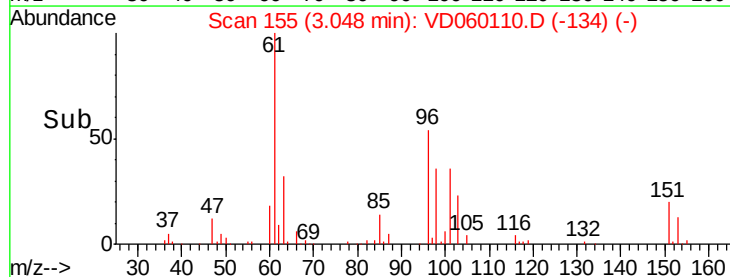
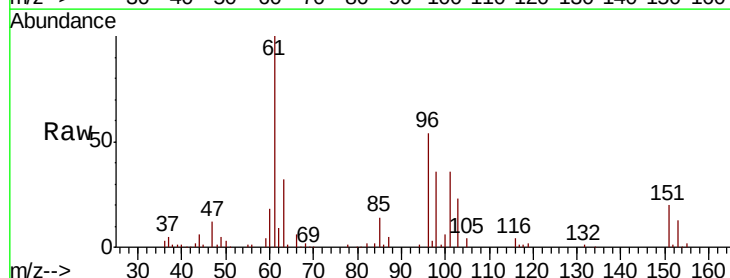
Tot Ion: 59 Resp: 89993
 Ion Ratio Lower Upper
 59 100
 57 7.5 7.8 11.6#

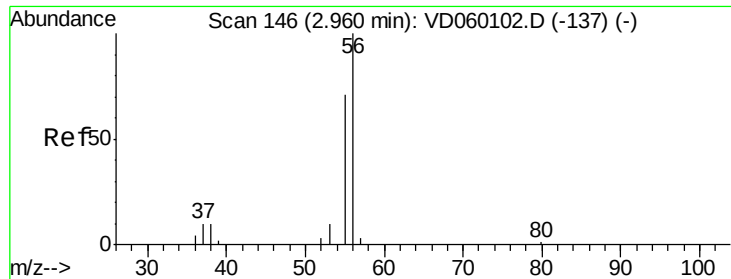


#12

1,1-Dichloroethene
 Concen: 20.487 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion: 96 Resp: 136998
 Ion Ratio Lower Upper
 96 100
 61 184.5 153.0 229.4
 98 66.2 51.1 76.7





#13

Acrolein

Concen: 109.179 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

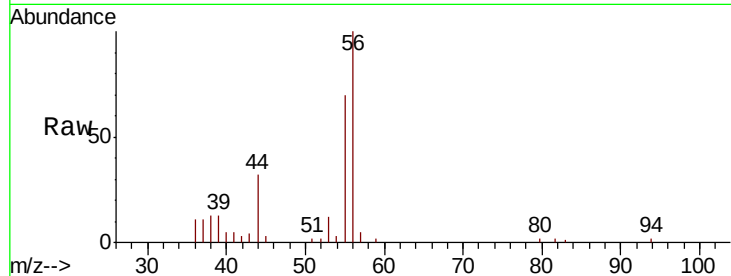
VD1002SBS01

Tot Ion: 56 Resp: 59978

Ion Ratio Lower Upper

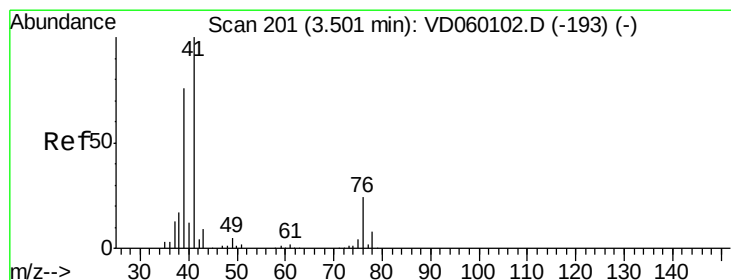
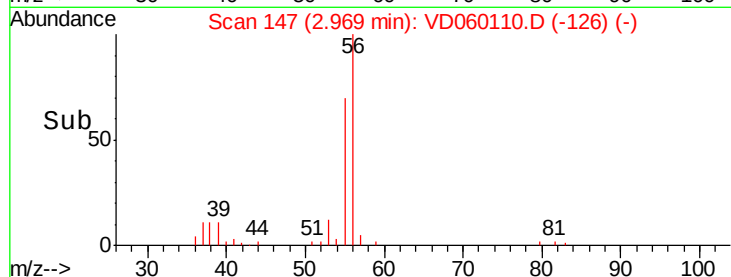
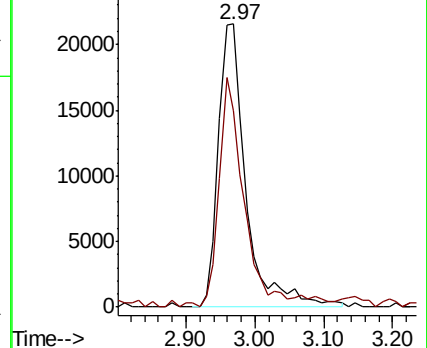
56 100

55 69.6 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.137 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

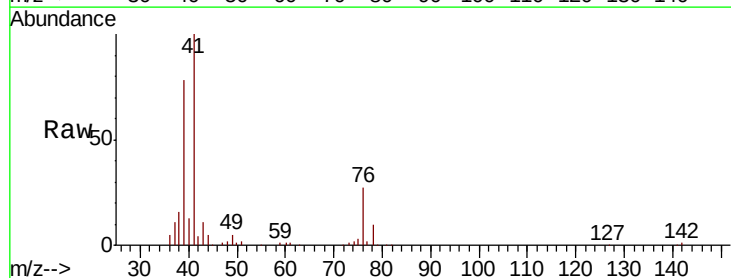
Tgt Ion: 41 Resp: 279665

Ion Ratio Lower Upper

41 100

39 78.0 60.6 90.8

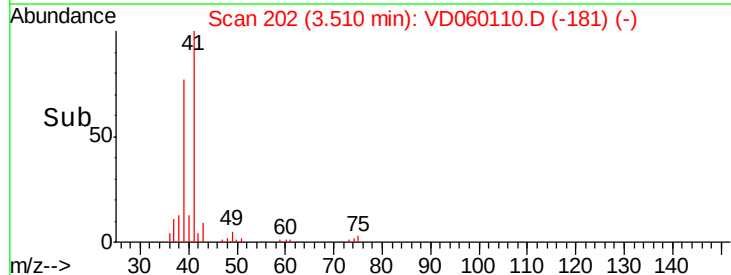
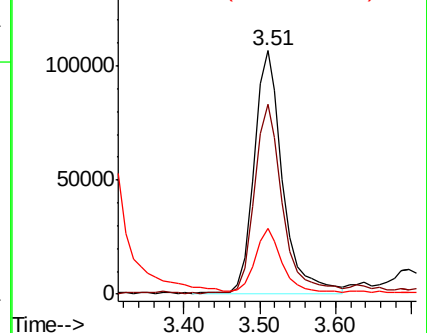
76 26.9 21.3 31.9

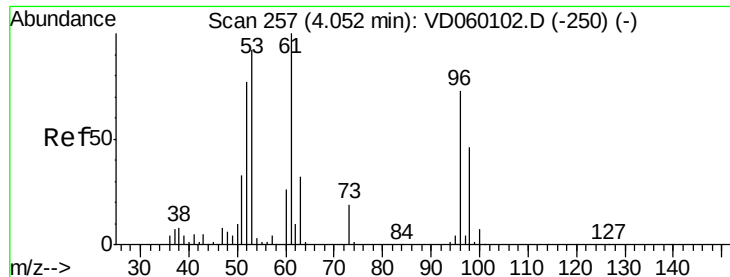


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 100.230 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

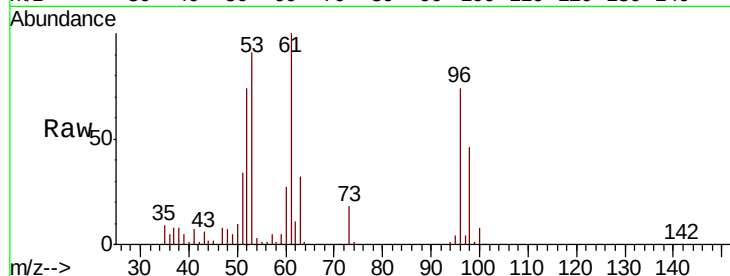
Tot Ion: 53 Resp: 369713

Ion Ratio Lower Upper

53 100

52 81.2 67.5 101.3

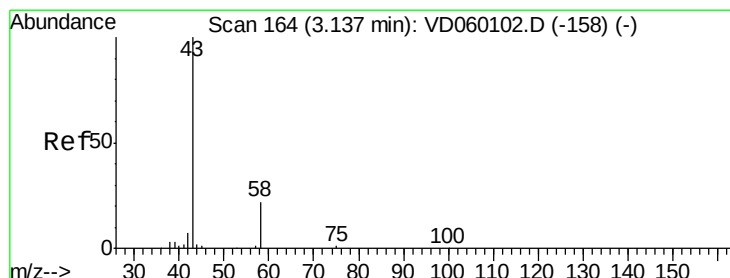
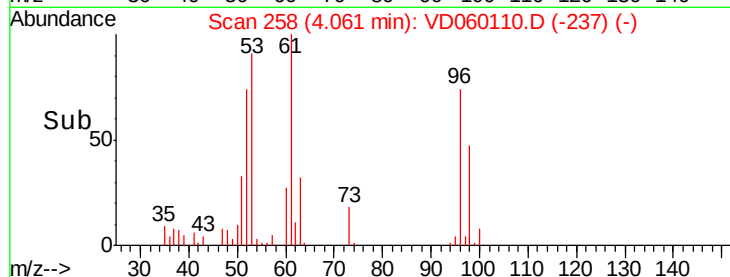
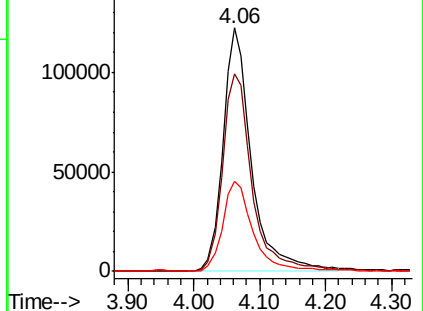
51 36.9 29.3 43.9



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: 107.942 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060110.D

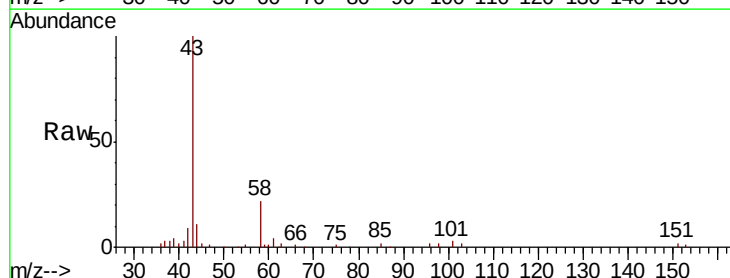
Acq: 2 Oct 2018 12:23

Tgt Ion: 43 Resp: 243379

Ion Ratio Lower Upper

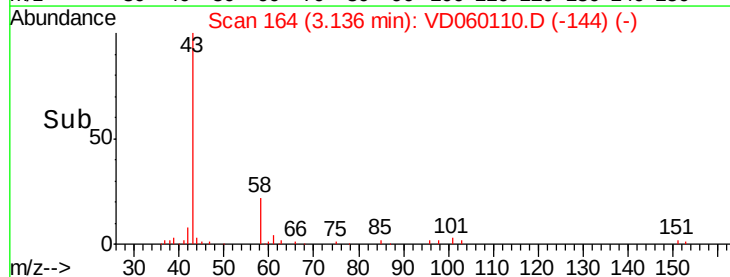
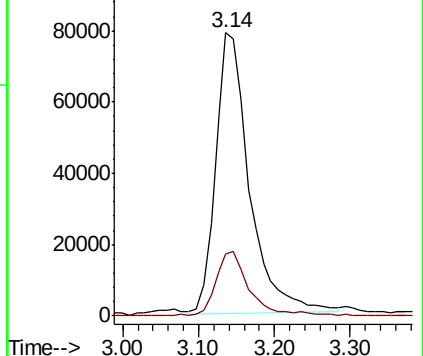
43 100

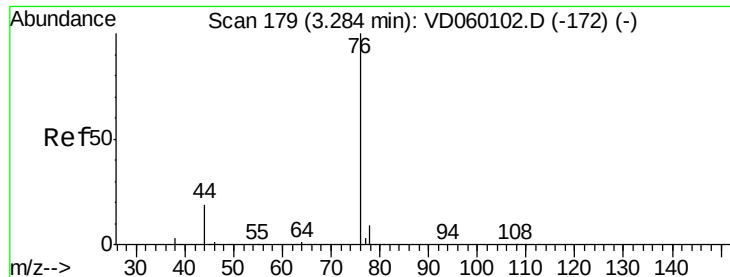
58 21.9 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 20.149 ug/l

RT: 3.28 min Scan# 179

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

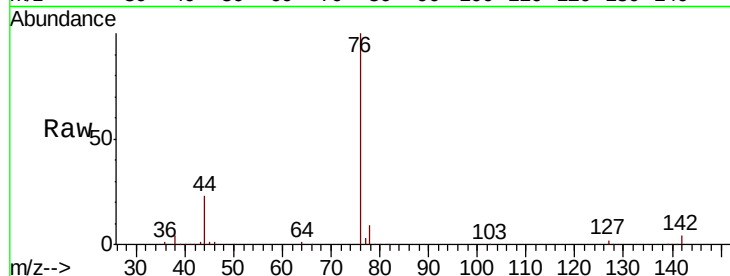
VD1002SBS01

Tot Ion: 76 Resp: 453097

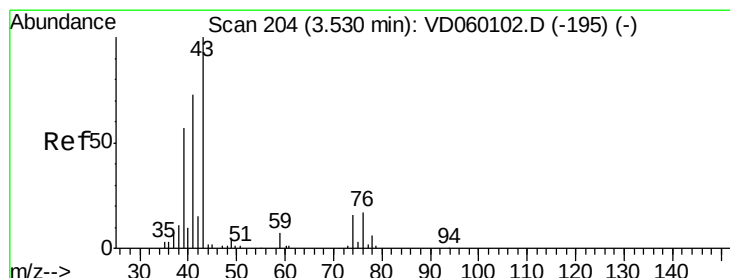
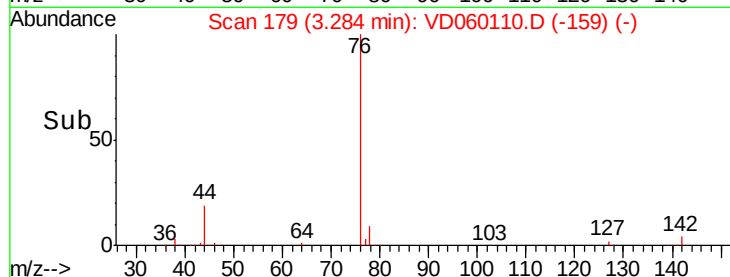
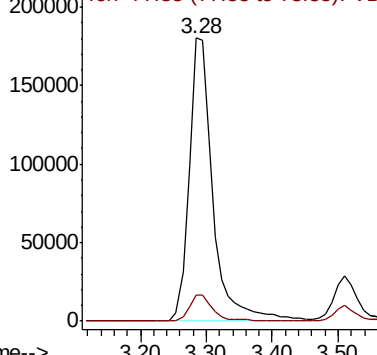
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



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



#18

Methyl Acetate

Concen: 18.814 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.00 min

Lab File: VD060110.D

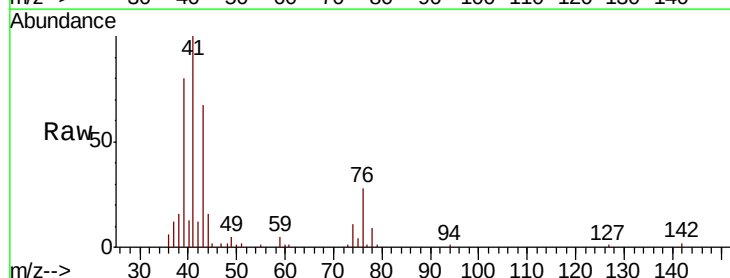
Acq: 2 Oct 2018 12:23

Tgt Ion: 43 Resp: 91175

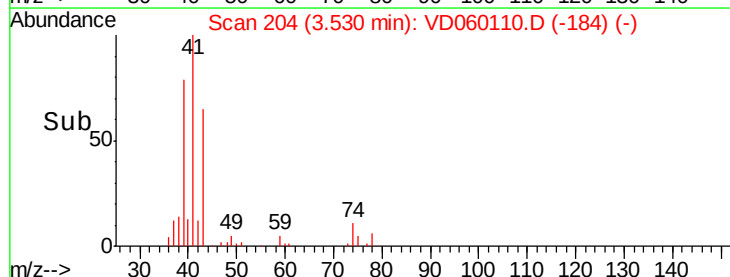
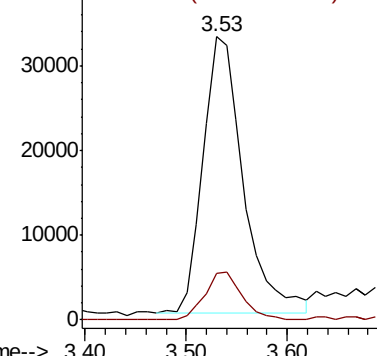
Ion Ratio Lower Upper

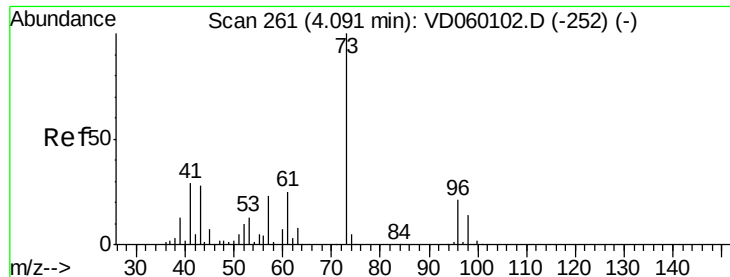
43 100

74 16.3 12.6 19.0



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

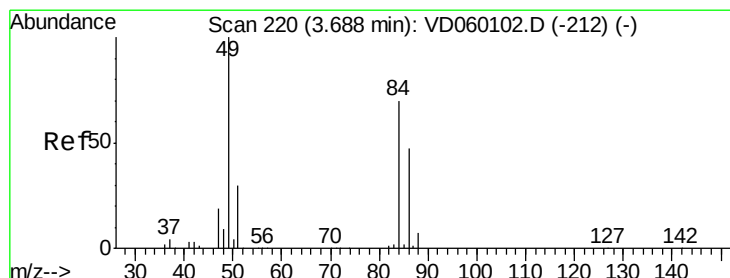
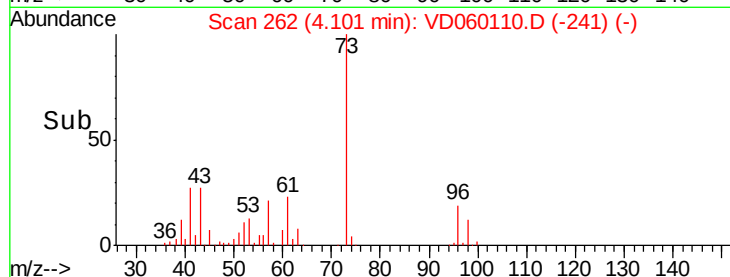
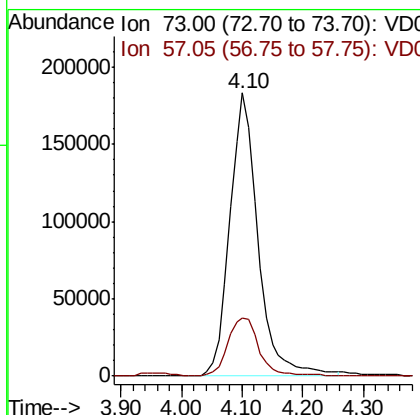
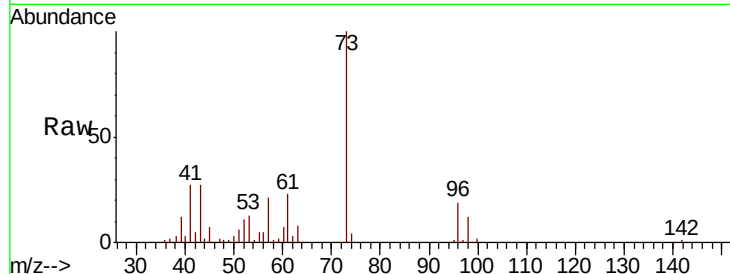




#19
Methyl tert-butyl Ether
Concen: 20.230 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

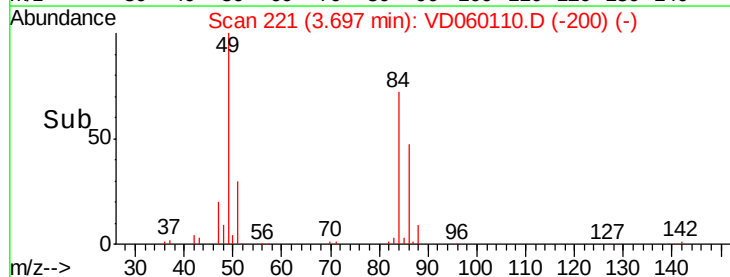
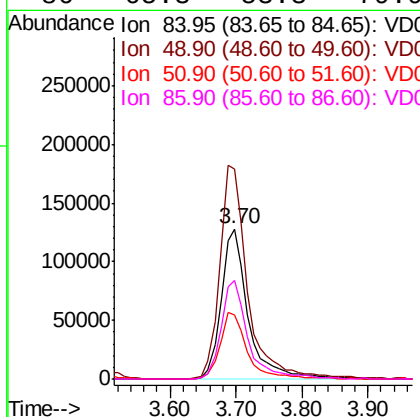
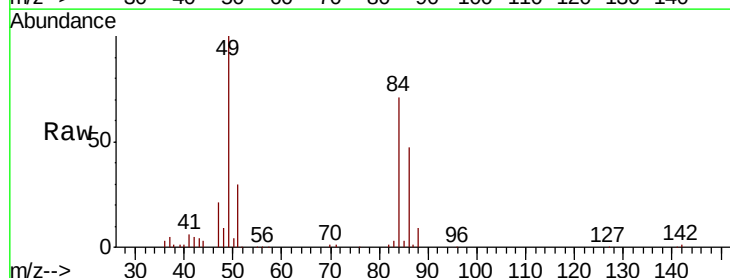
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

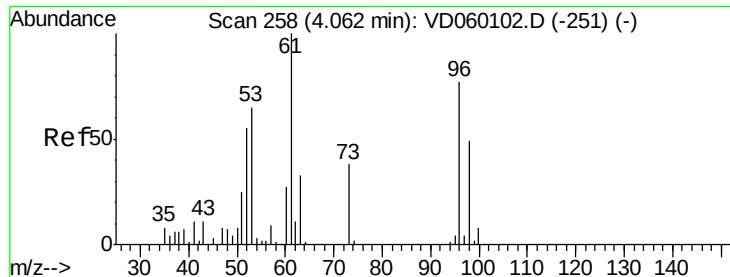
Tot Ion: 73 Resp: 594772
Ion Ratio Lower Upper
73 100
57 20.5 18.7 28.1



#20
Methylene Chloride
Concen: 17.807 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 84 Resp: 365169
Ion Ratio Lower Upper
84 100
49 140.1 114.6 172.0
51 42.5 33.8 50.8
86 65.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 19.724 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

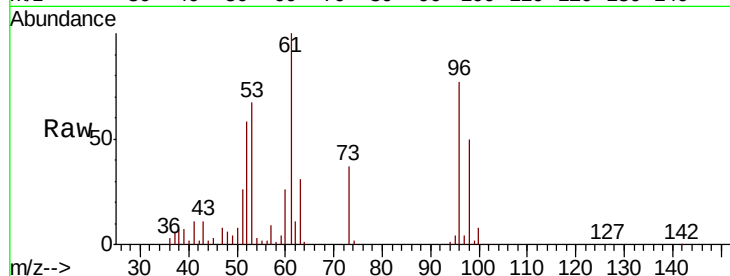
Tot Ion: 96 Resp: 340641

Ion Ratio Lower Upper

96 100

61 130.6 103.3 154.9

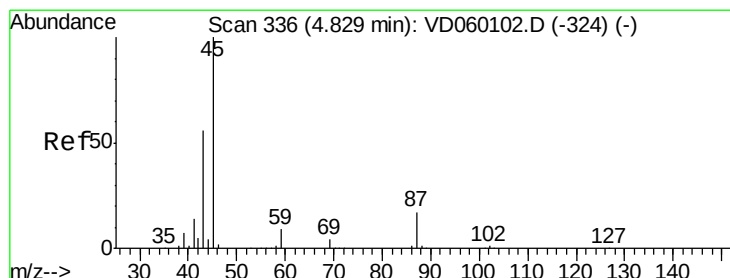
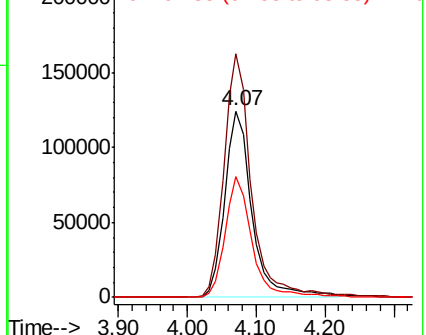
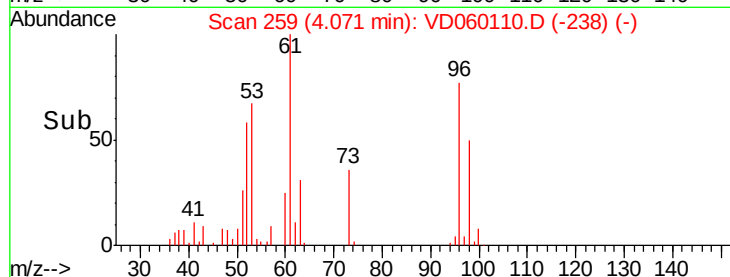
98 64.9 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.746 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion: 45 Resp: 1224750

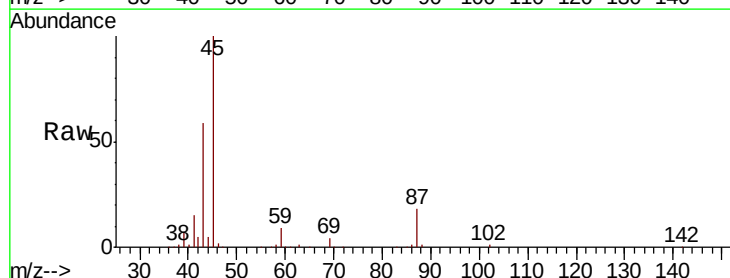
Ion Ratio Lower Upper

45 100

43 58.8 44.8 67.2

87 17.5 13.9 20.9

59 8.7 7.1 10.7

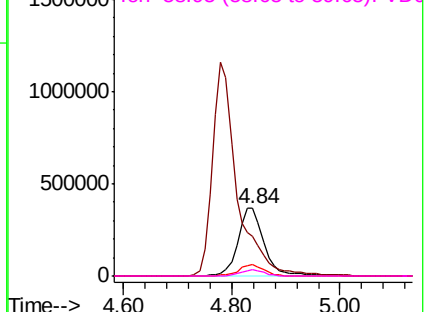
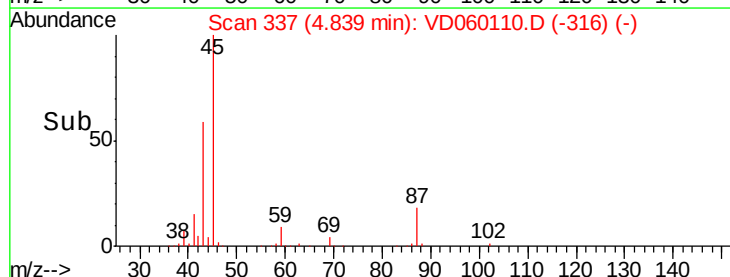


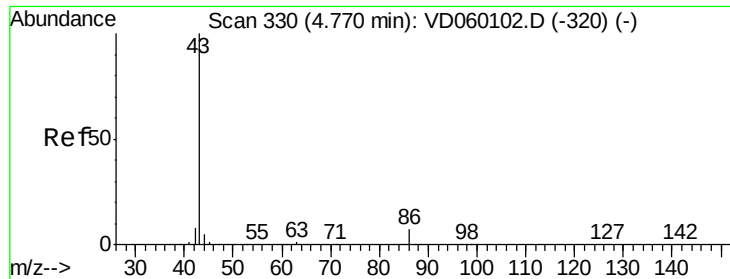
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.081 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

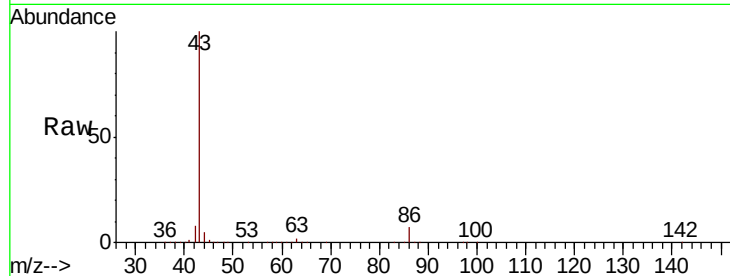
VD1002SBS01

Tot Ion: 43 Resp: 3628675

Ion Ratio Lower Upper

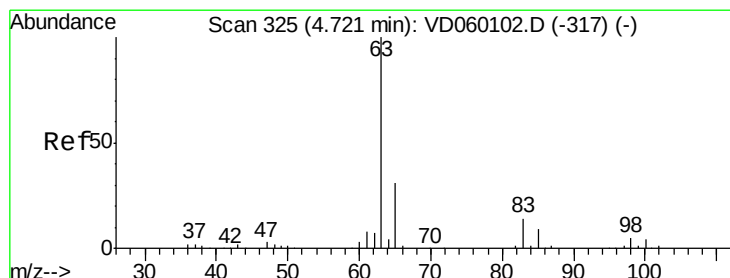
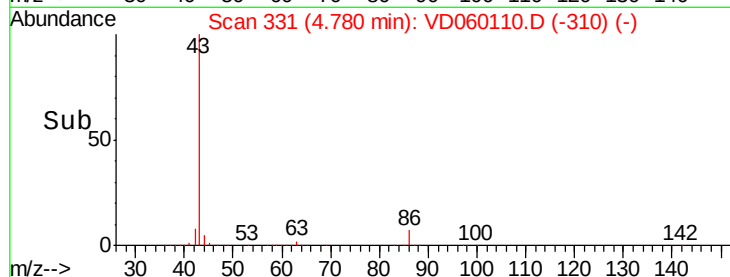
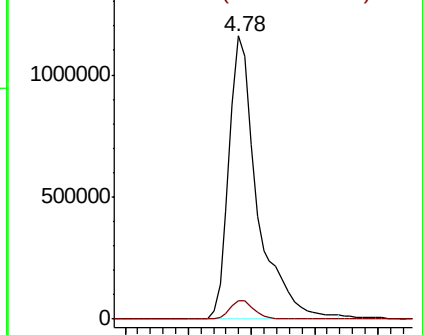
43 100

86 6.5 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.363 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

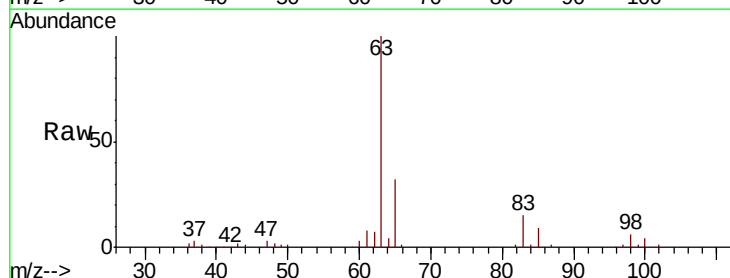
Tgt Ion: 63 Resp: 544522

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

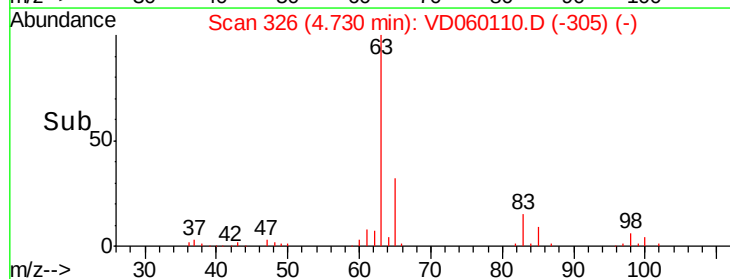
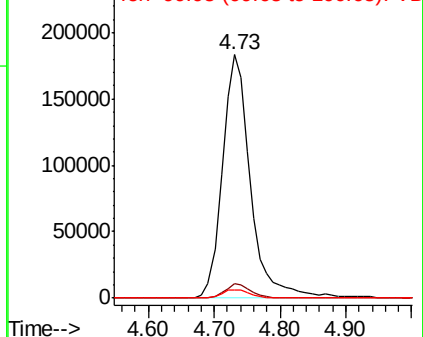
100 3.6 1.8 5.3

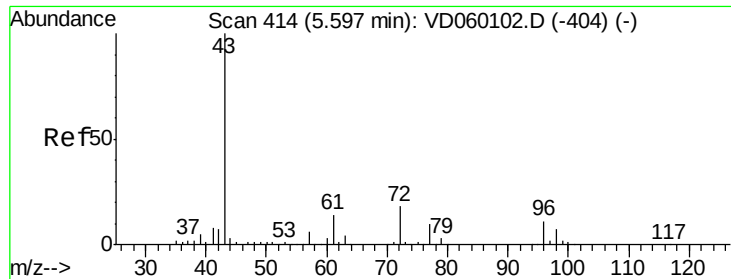


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.540 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

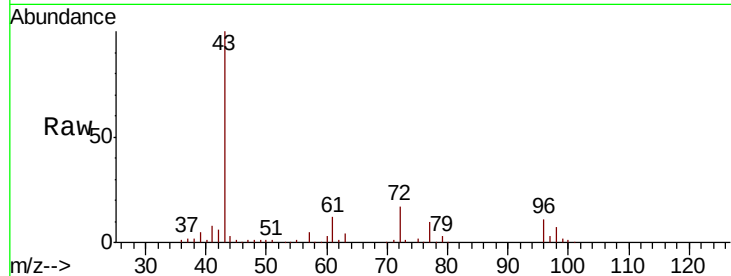
VD1002SBS01

Tot Ion: 43 Resp: 611385

Ion Ratio Lower Upper

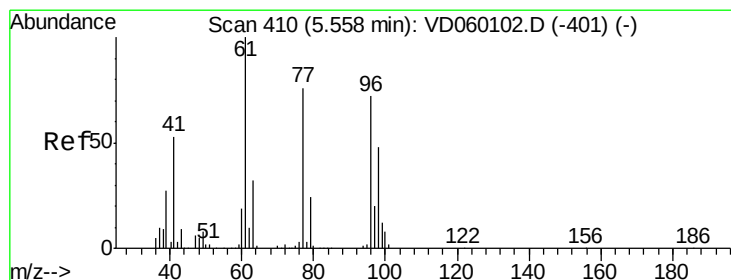
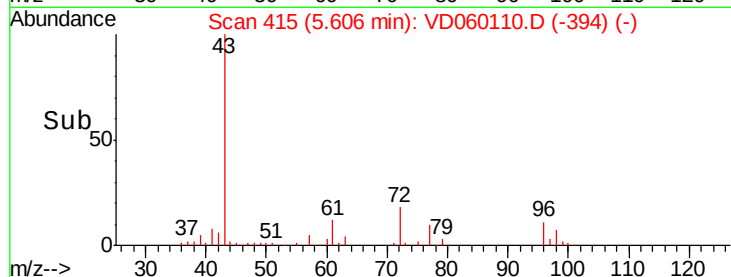
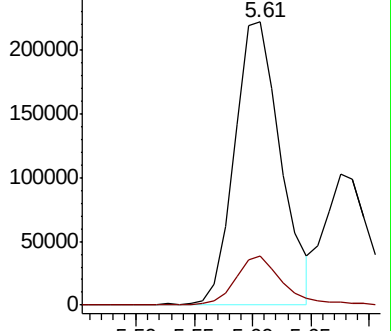
43 100

72 17.4 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.448 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060110.D

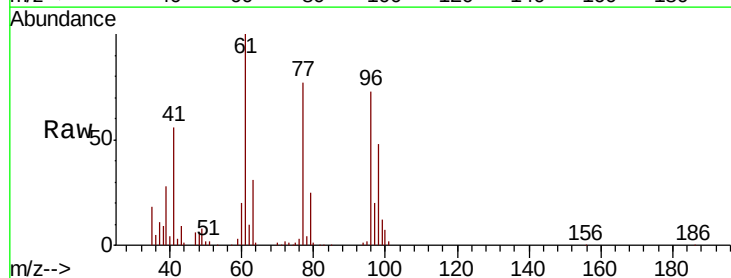
Acq: 2 Oct 2018 12:23

Tgt Ion: 77 Resp: 435932

Ion Ratio Lower Upper

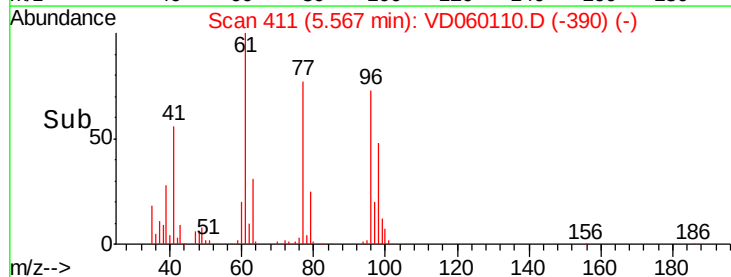
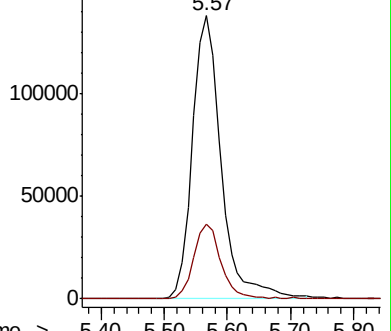
77 100

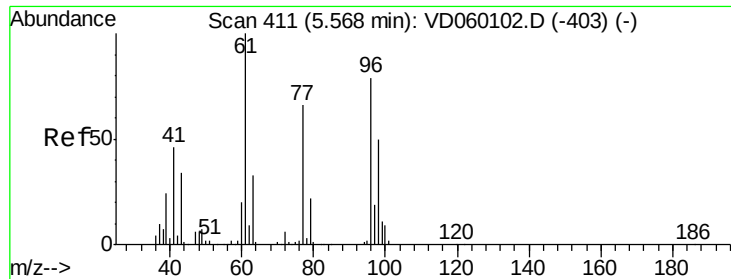
97 26.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



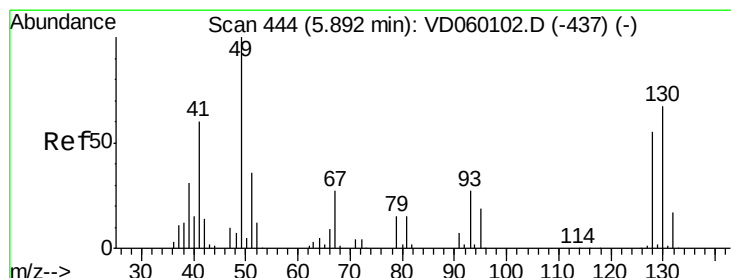
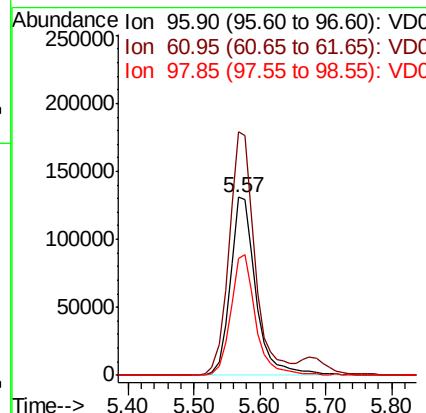
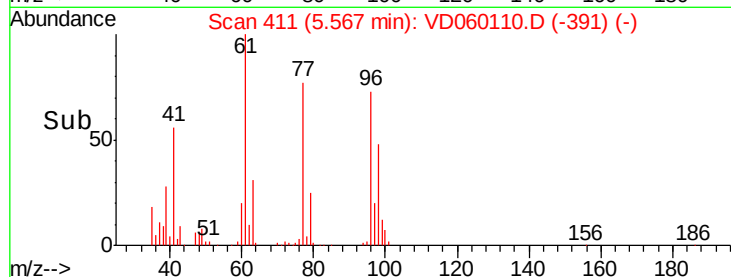
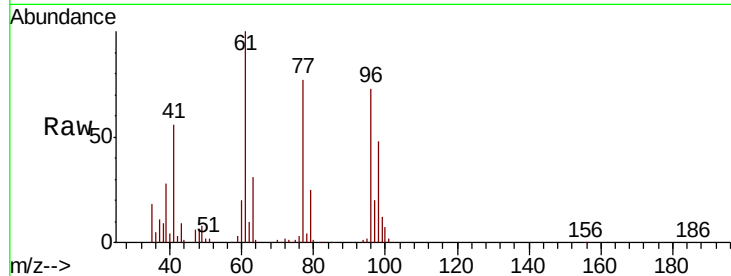


#27

cis-1,2-Dichloroethene
 Concen: 19.404 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

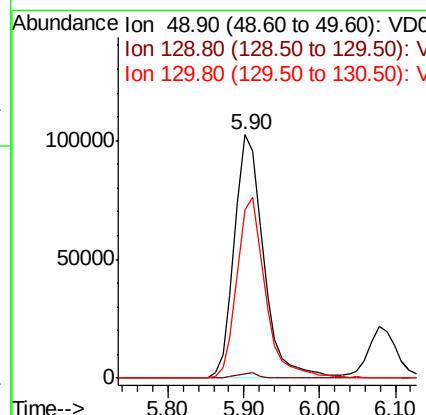
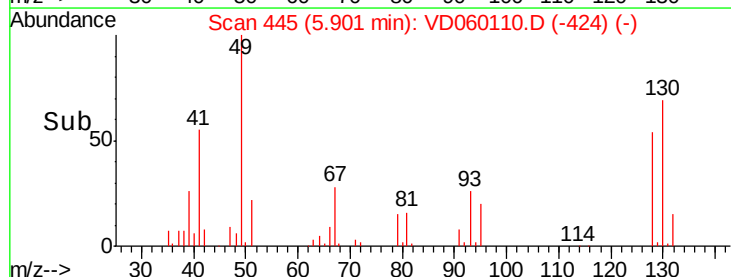
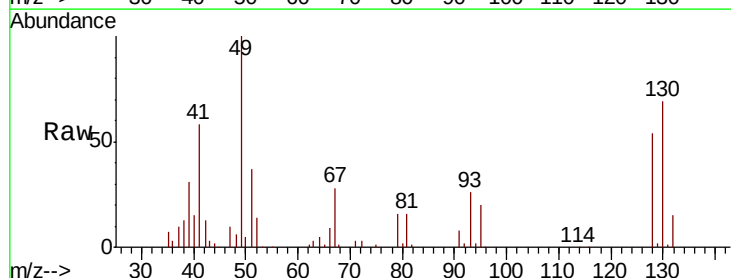
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	251.8
98	65.4	0.0	125.2

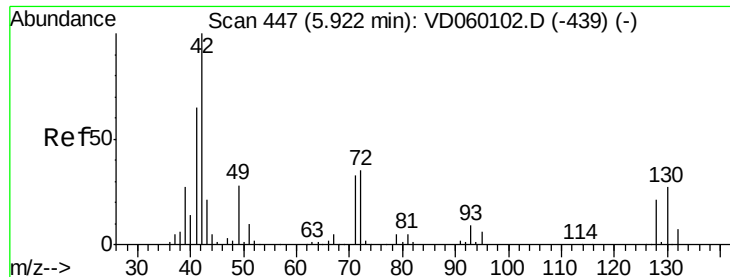


#28

Bromochloromethane
 Concen: 20.052 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	69.2	53.9	80.9





#29

Tetrahydrofuran

Concen: 97.577 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

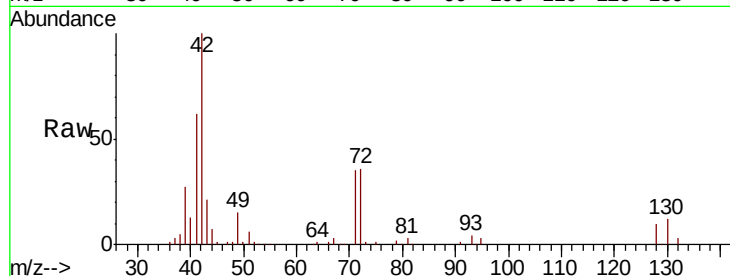
Tot Ion: 42 Resp: 319255

Ion Ratio Lower Upper

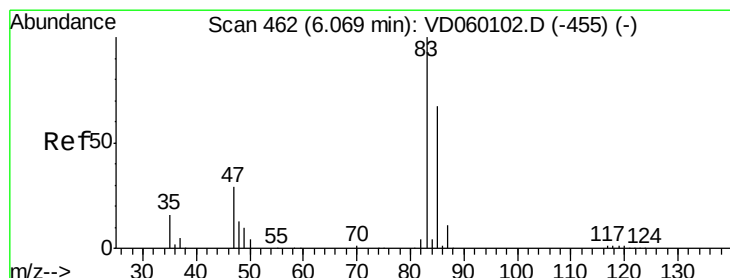
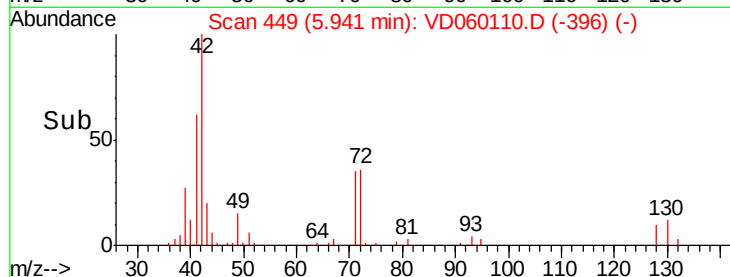
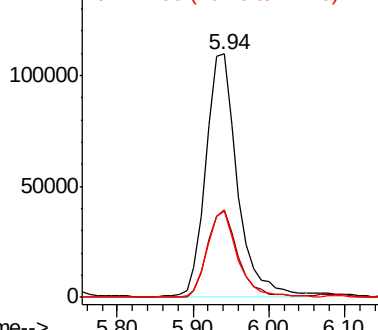
42 100

72 34.6 26.9 40.3

71 33.9 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.236 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD060110.D

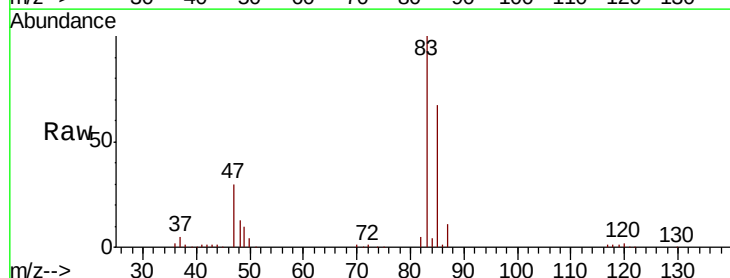
Acq: 2 Oct 2018 12:23

Tgt Ion: 83 Resp: 575646

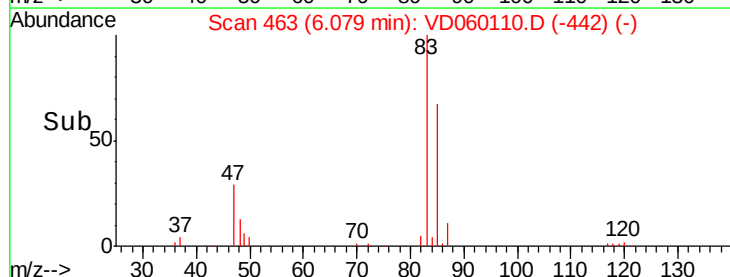
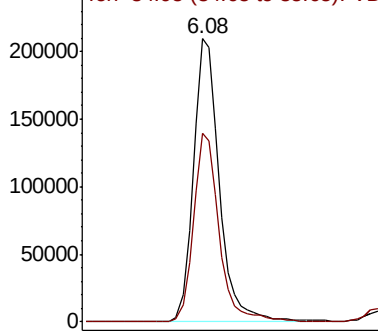
Ion Ratio Lower Upper

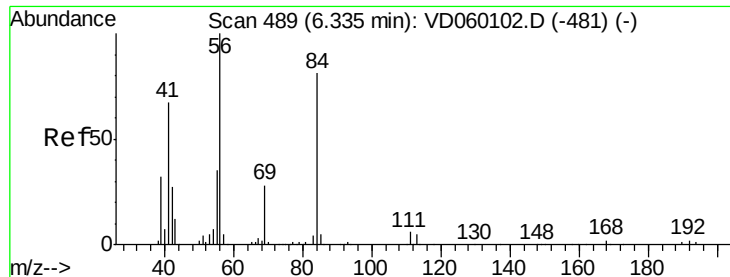
83 100

85 66.7 53.8 80.8



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

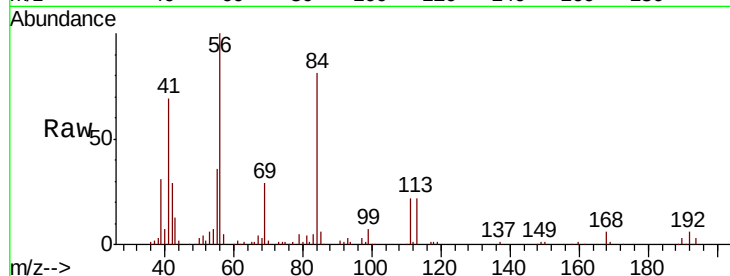




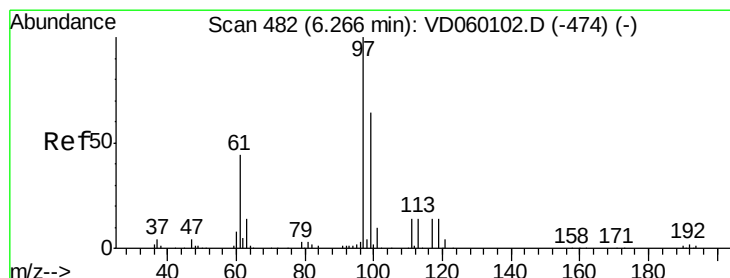
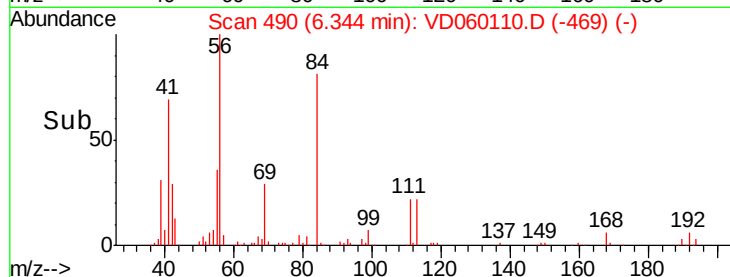
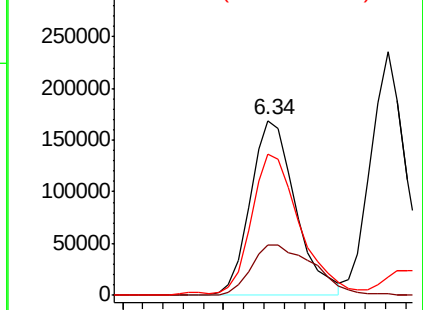
#31
Cyclohexane
Concen: 19.519 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 56 Resp: 525458
Ion Ratio Lower Upper
56 100
69 29.1 22.8 34.2
84 81.0 64.9 97.3

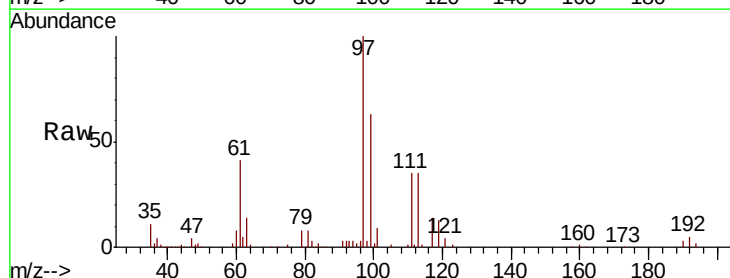


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

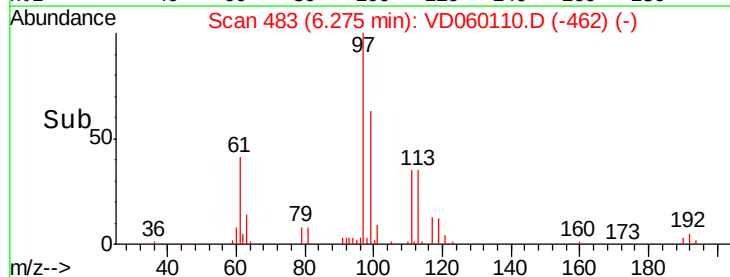
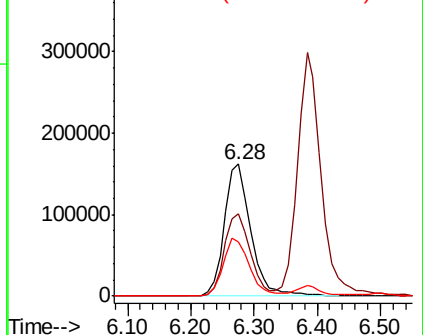


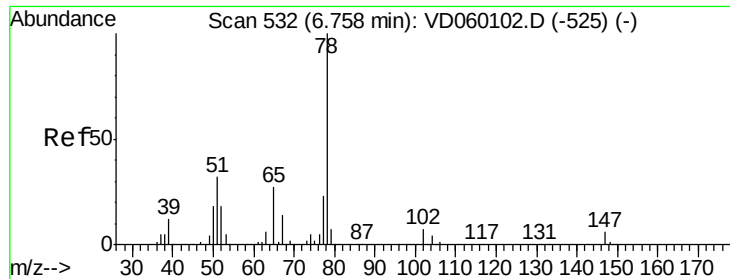
#32
1,1,1-Trichloroethane
Concen: 20.158 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 97 Resp: 469800
Ion Ratio Lower Upper
97 100
99 62.9 51.4 77.0
61 41.1 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

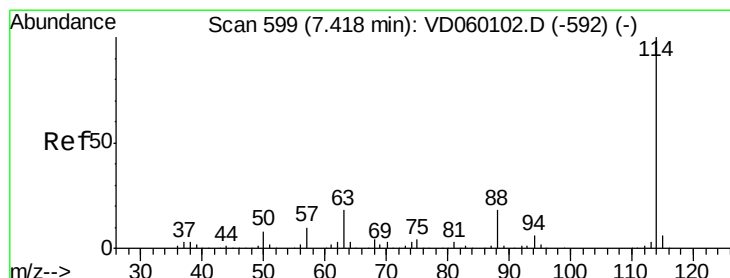
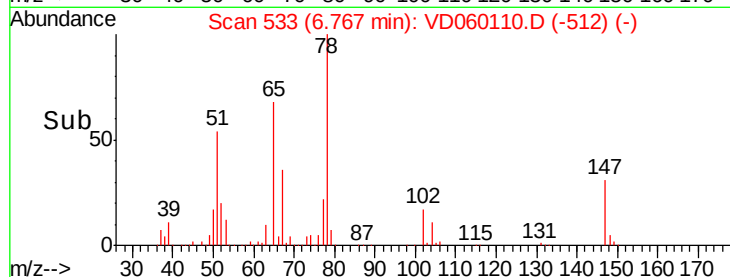
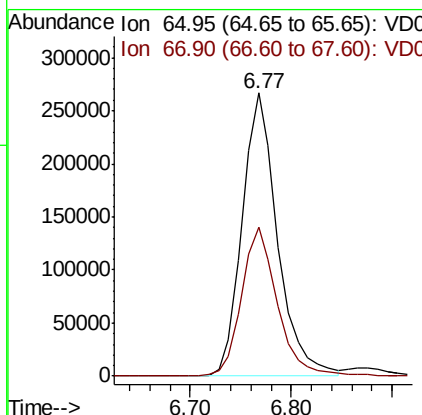
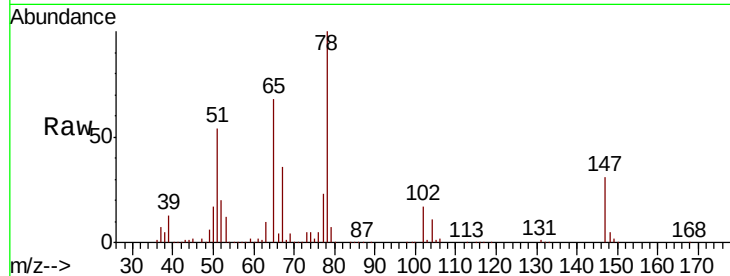




#33
 1,2-Dichloroethane-d4
 Concen: 20.158 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

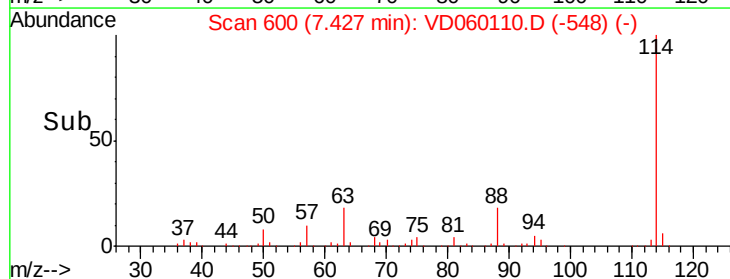
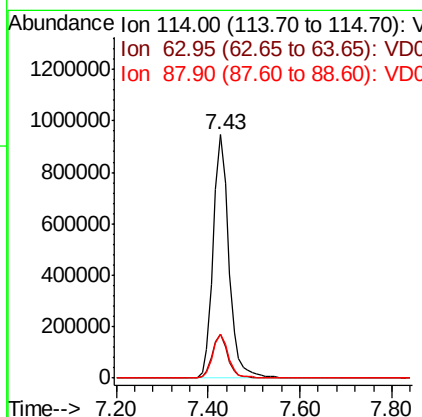
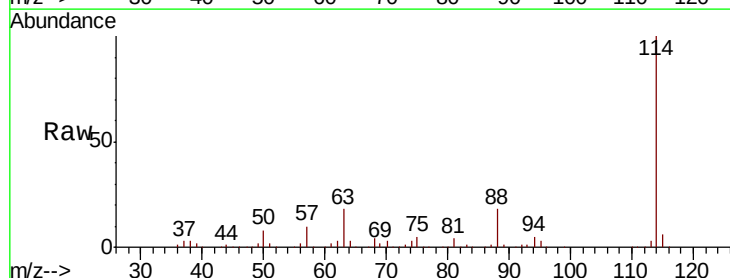
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

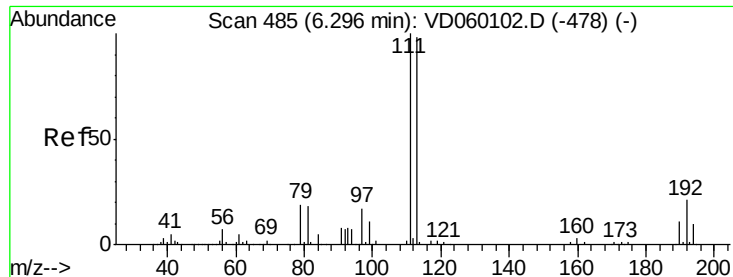
Tot Ion: 65 Resp: 650259
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion: 114 Resp: 2218415
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.0
 88 17.9 0.0 36.2

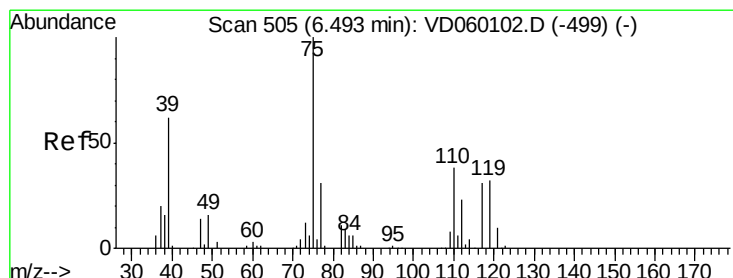
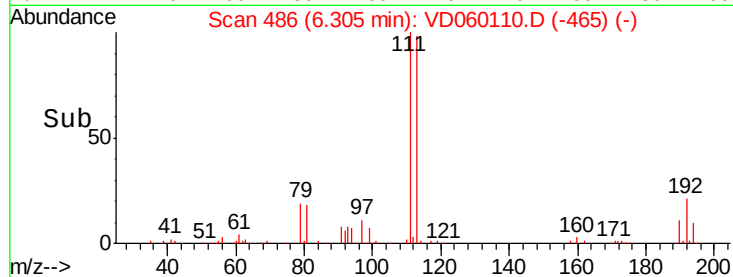
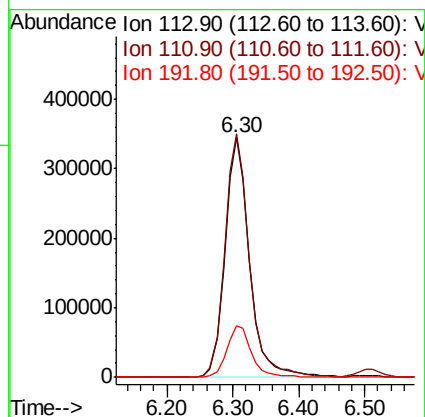
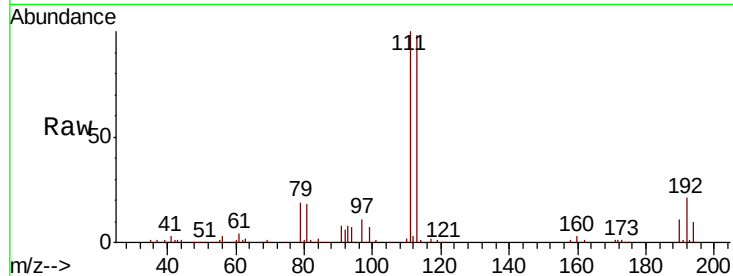




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.30 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

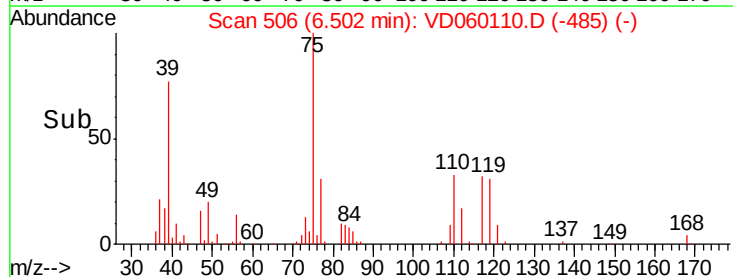
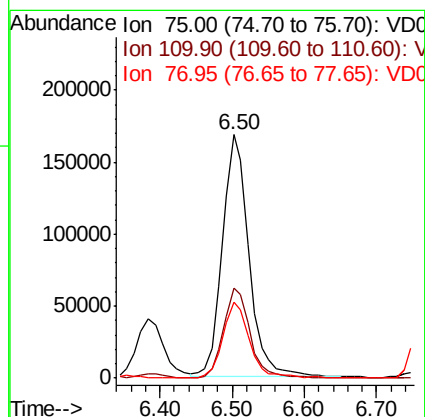
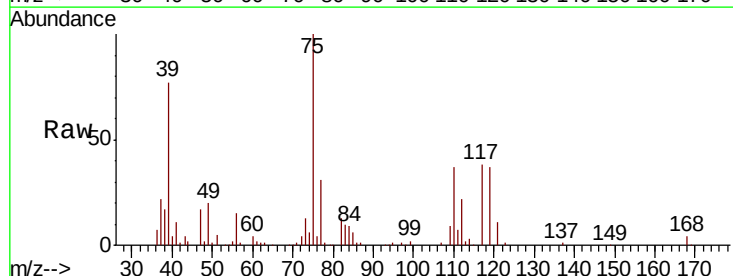
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

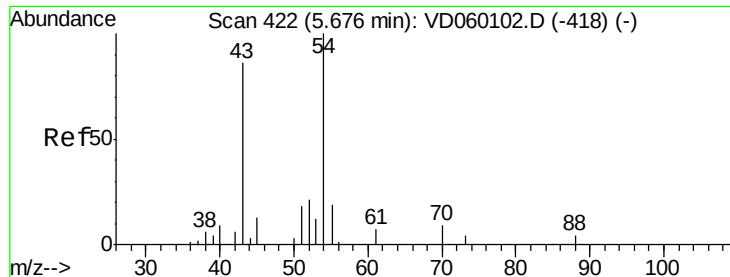
Tot Ion:113 Resp: 894440
Ion Ratio Lower Upper
113 100
111 101.7 81.5 122.3
192 21.7 17.4 26.0



#36
1,1-Dichloropropene
Concen: 20.194 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 75 Resp: 428100
Ion Ratio Lower Upper
75 100
110 37.0 19.0 57.0
77 31.2 24.9 37.3

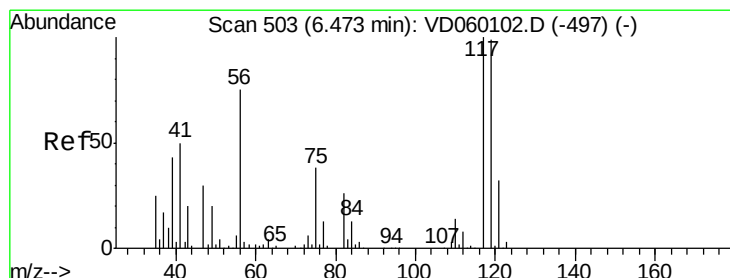
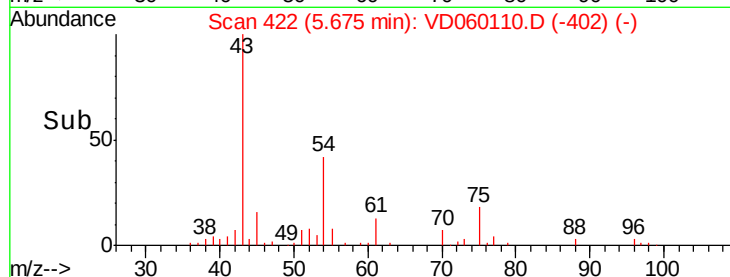
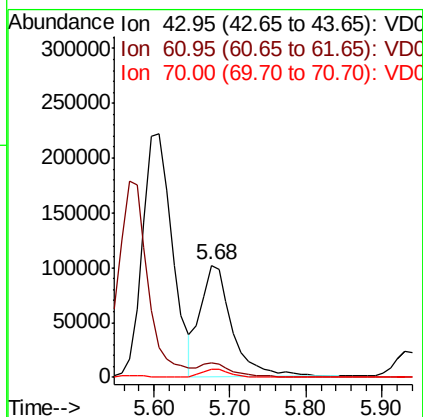
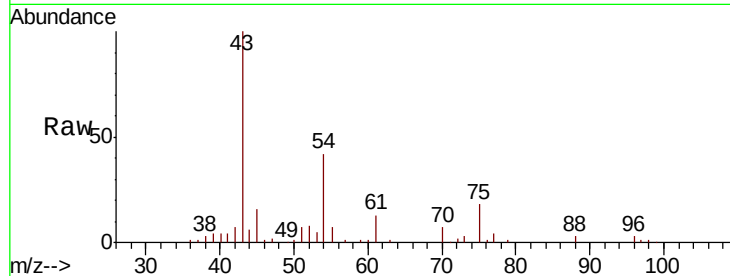




#37
Ethyl Acetate
Concen: 20.969 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

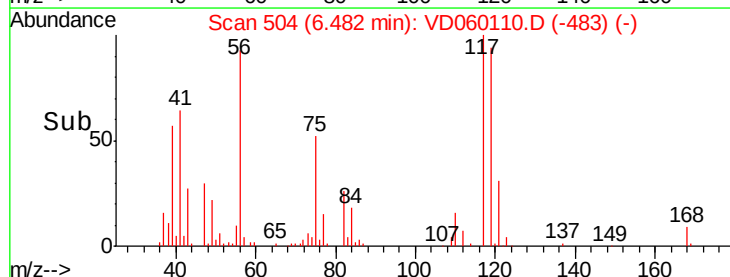
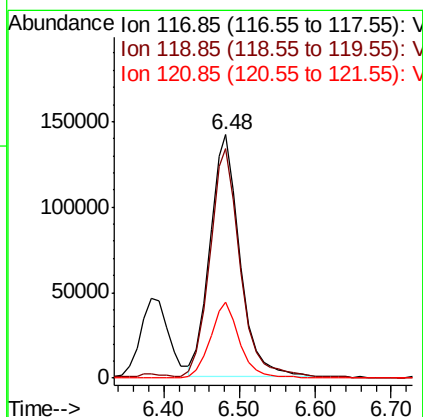
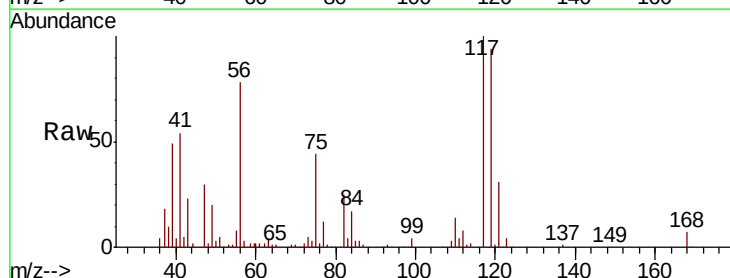
Instrument :
MSVOA_D
ClientSampleID :
VD1002SBS01

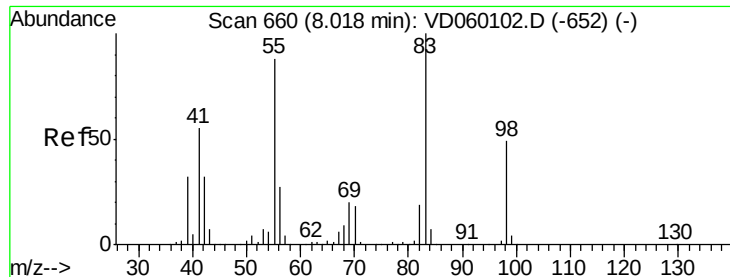
Tot Ion: 43 Resp: 295049
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 6.7 6.3 9.5



#38
Carbon Tetrachloride
Concen: 20.270 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 117 Resp: 389995
Ion Ratio Lower Upper
117 100
119 94.1 77.8 116.6
121 31.3 24.8 37.2

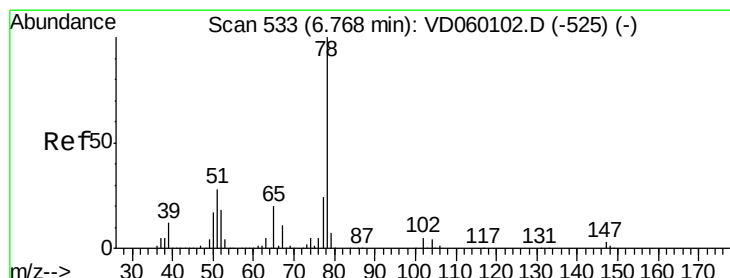
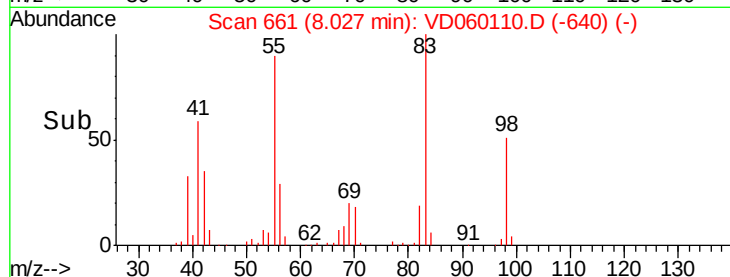
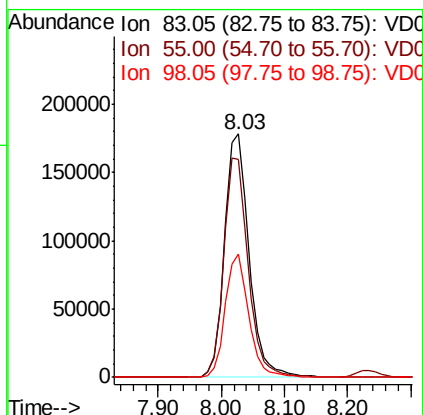
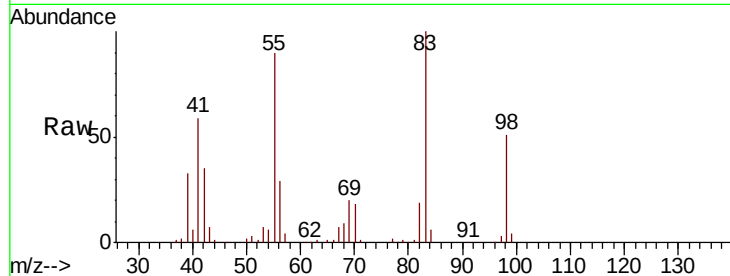




#39
Methylvlcyclohexane
Concen: 19.943 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

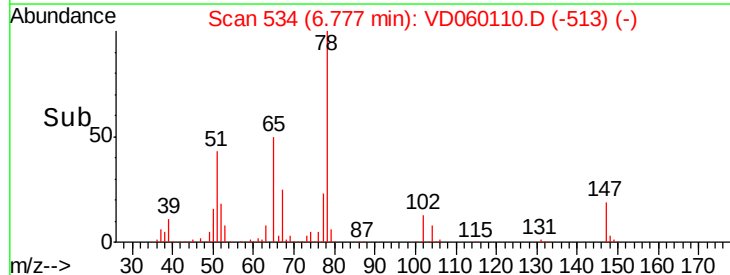
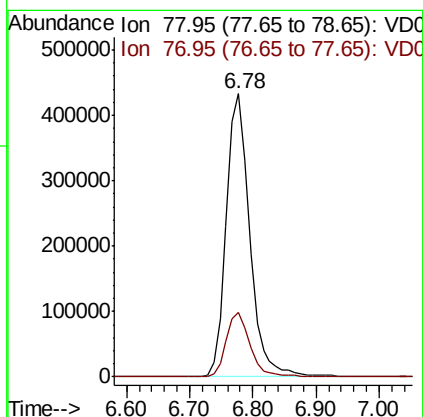
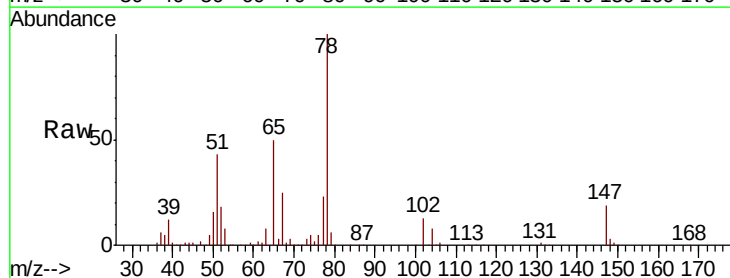
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

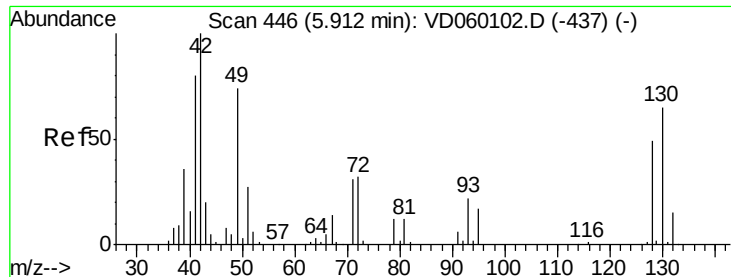
Tot Ion: 83 Resp: 480366
Ion Ratio Lower Upper
83 100
55 89.7 70.5 105.7
98 50.7 39.4 59.2



#40
Benzene
Concen: 20.205 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 78 Resp: 1120569
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4





#41

Methacrylonitrile

Concen: 40.881 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 41 Resp: 325137

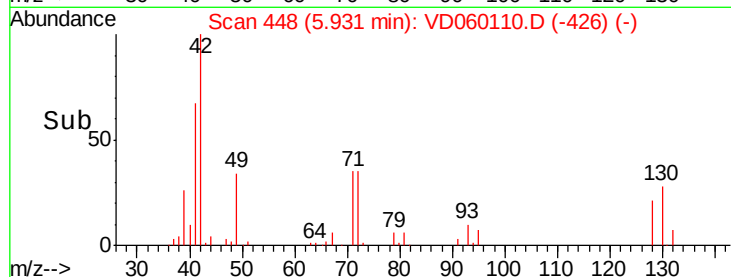
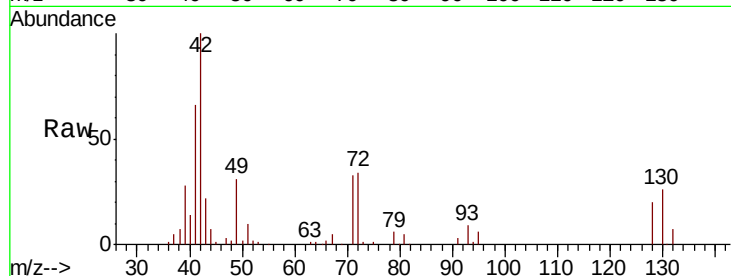
Ion Ratio Lower Upper

41 100

39 42.5 36.0 54.0

67 8.3 13.9 20.9#

52 3.8 6.1 9.1#

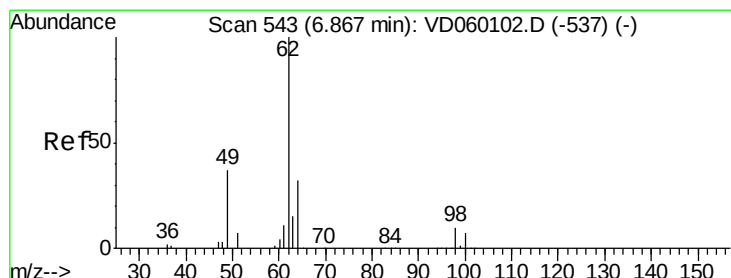
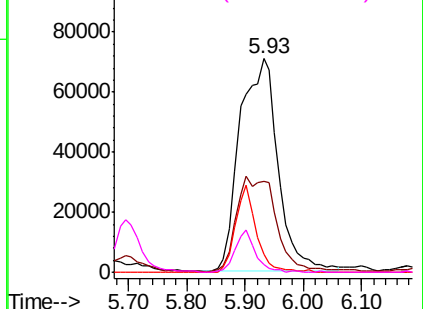


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.247 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060110.D

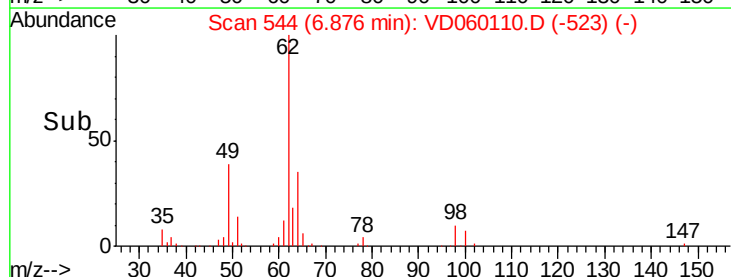
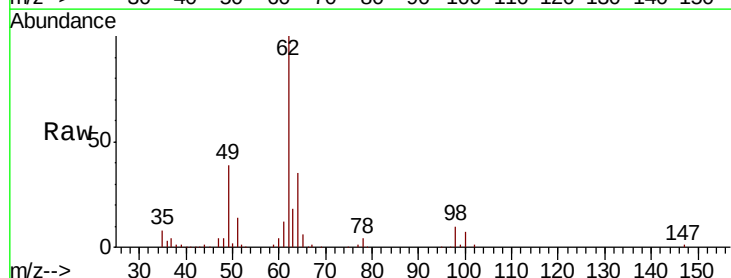
Acq: 2 Oct 2018 12:23

Tgt Ion: 62 Resp: 321934

Ion Ratio Lower Upper

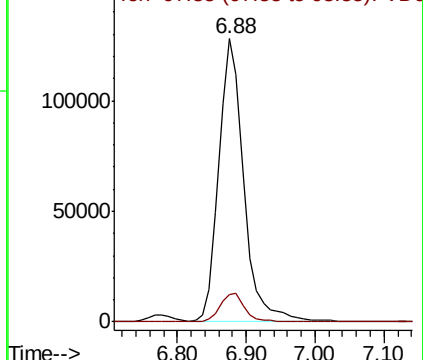
62 100

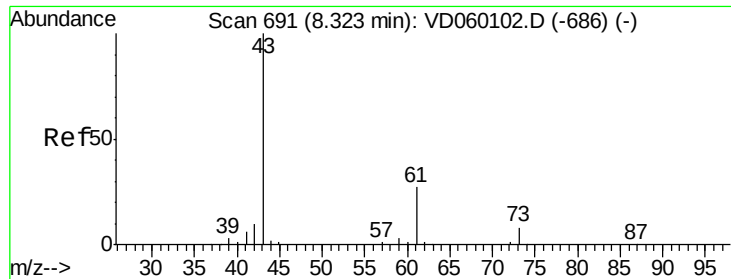
98 9.8 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



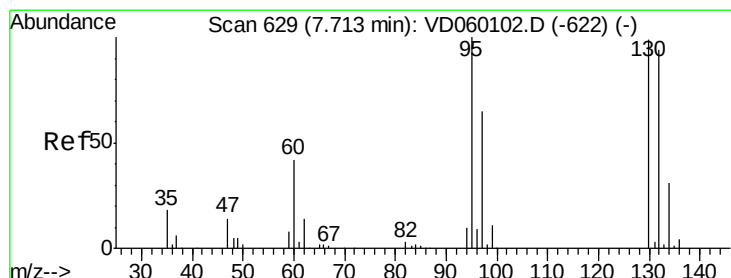
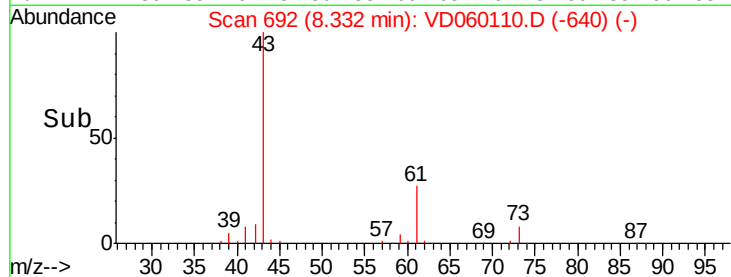
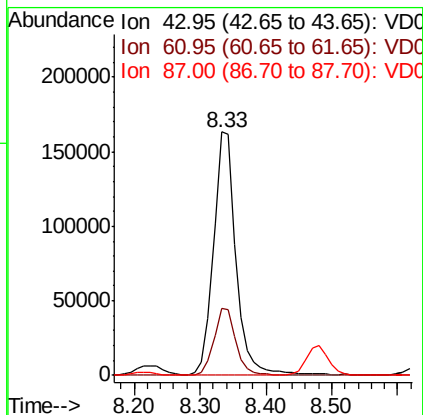
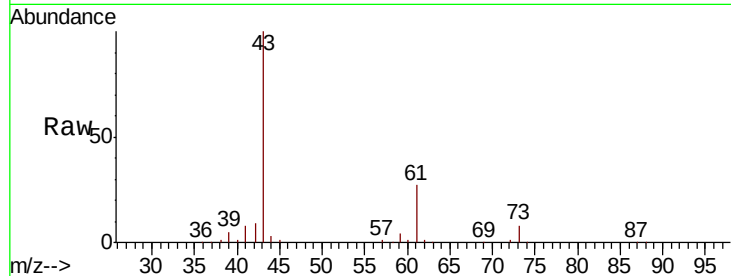


#43

Isopropyl Acetate
 Concen: 20.471 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

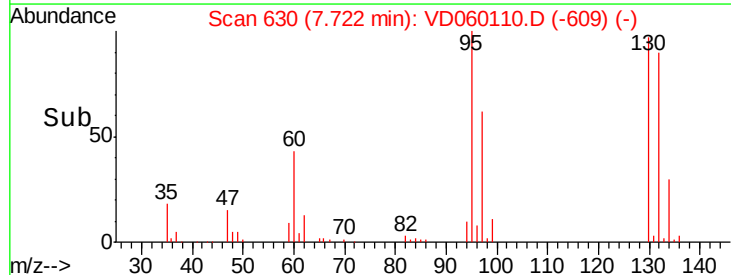
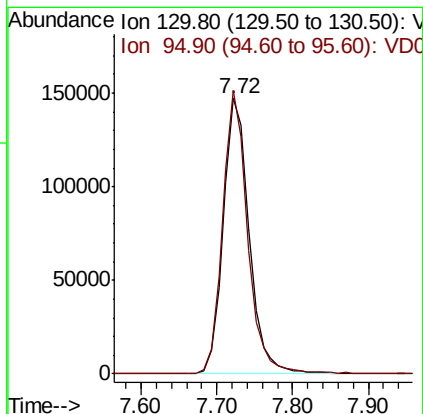
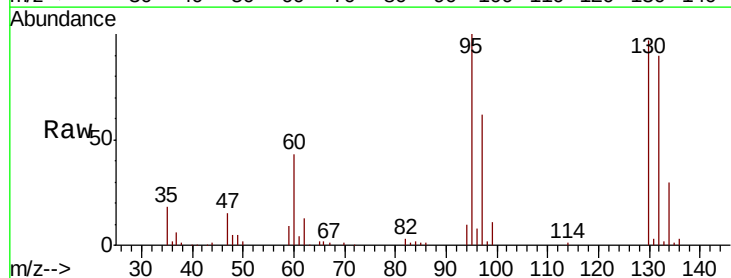
Tot Ion: 43 Resp: 378964
 Ion Ratio Lower Upper
 43 100
 61 27.4 21.4 32.2
 87 0.2 0.2 0.2#

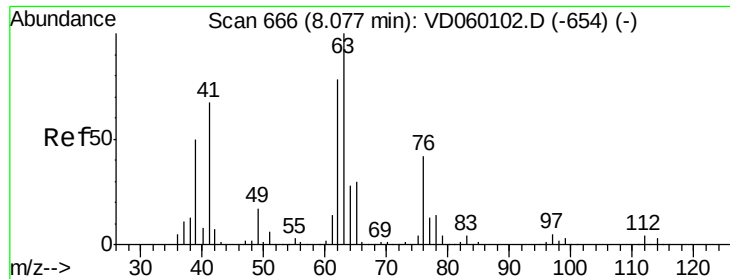


#44

Trichloroethene
 Concen: 20.297 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion:130 Resp: 348465
 Ion Ratio Lower Upper
 130 100
 95 102.8 0.0 202.2

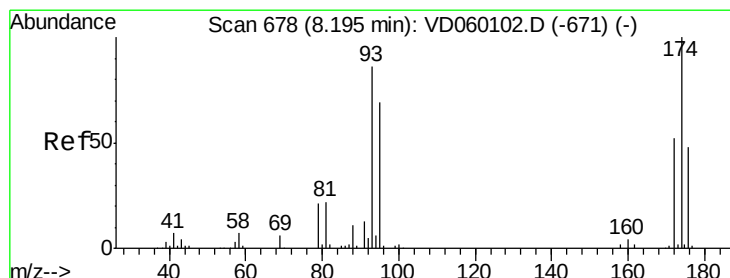
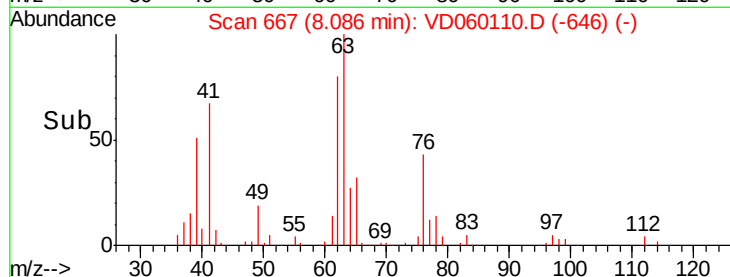
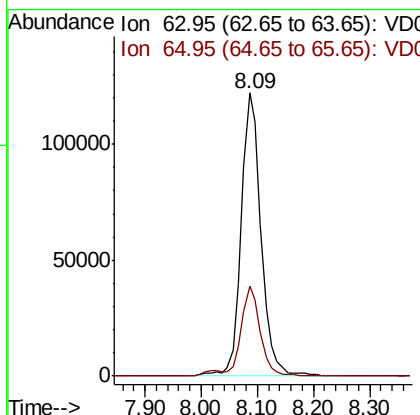
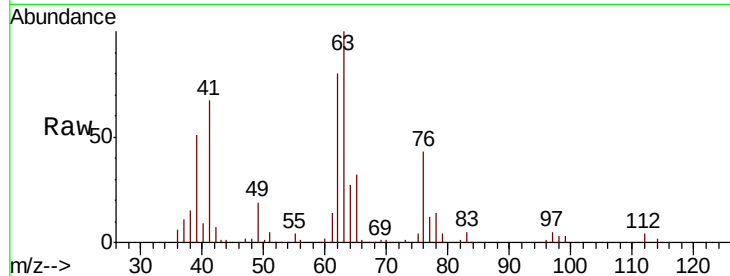




#45
 1,2-Dichloropropane
 Concen: 20.626 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

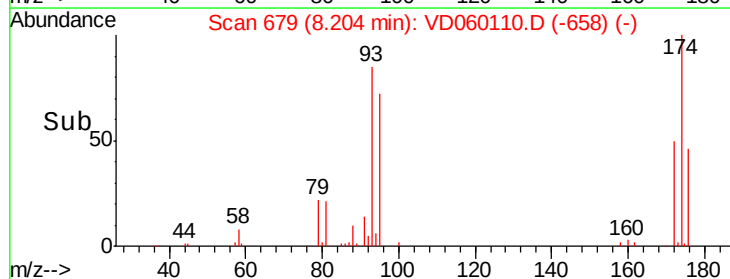
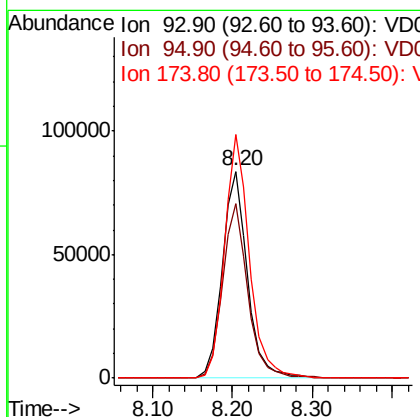
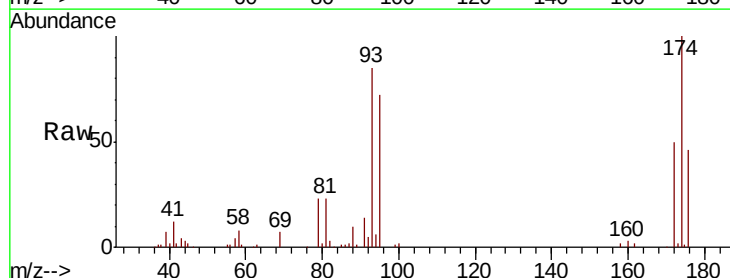
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

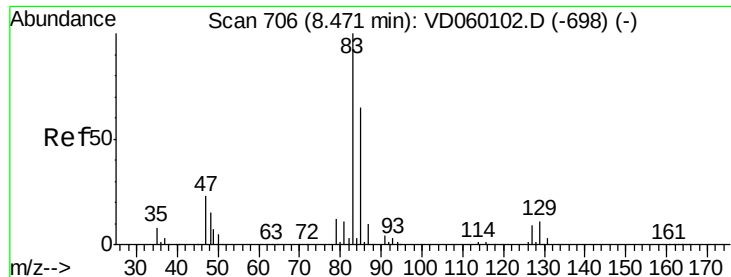
Tot Ion: 63 Resp: 299531
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.1 36.1



#46
 Dibromomethane
 Concen: 19.709 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion: 93 Resp: 185298
 Ion Ratio Lower Upper
 93 100
 95 84.2 63.8 95.6
 174 117.8 92.9 139.3





#47

Bromodichloromethane

Concen: 20.446 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

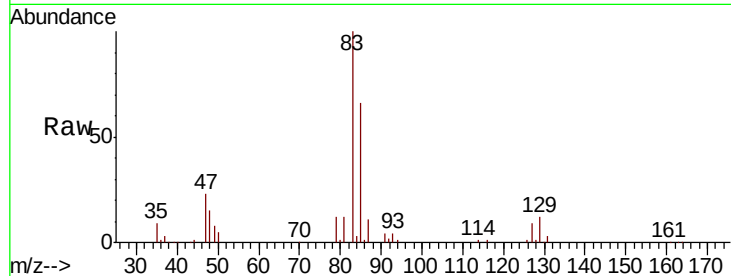
Tot Ion: 83 Resp: 409578

Ion Ratio Lower Upper

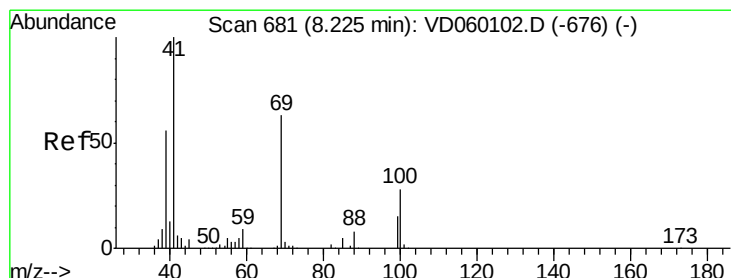
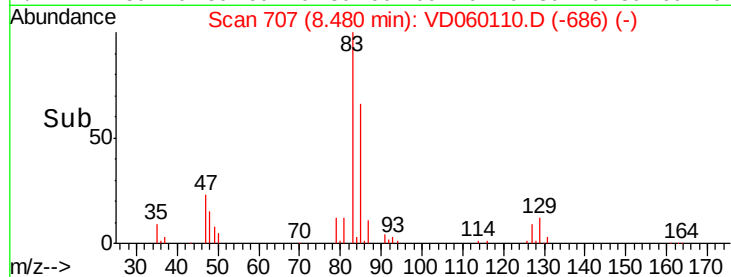
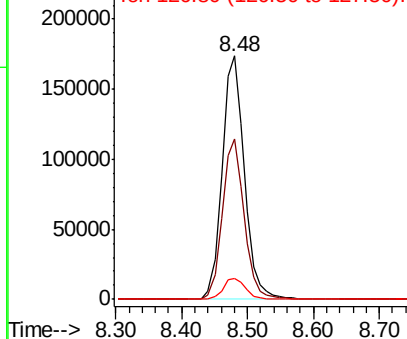
83 100

85 66.1 52.2 78.2

127 8.6 7.4 11.0



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: 19.974 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

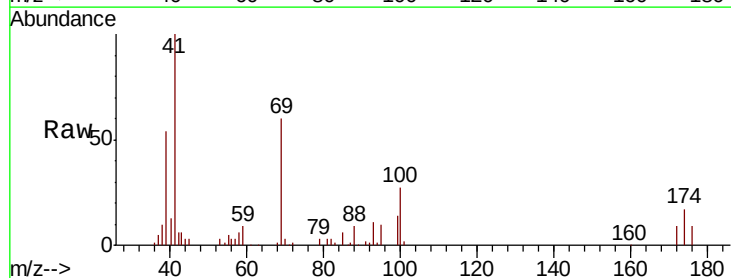
Tgt Ion: 41 Resp: 210619

Ion Ratio Lower Upper

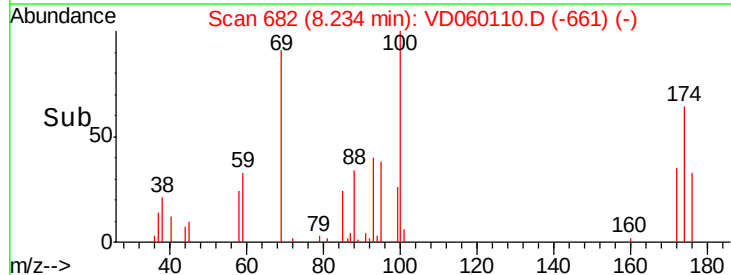
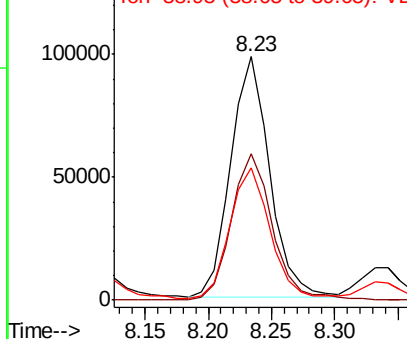
41 100

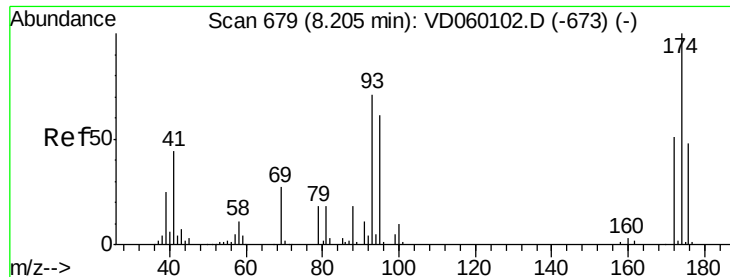
69 60.4 49.7 74.5

39 54.3 45.2 67.8



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

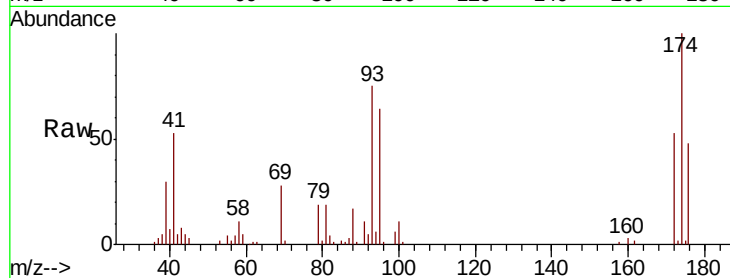




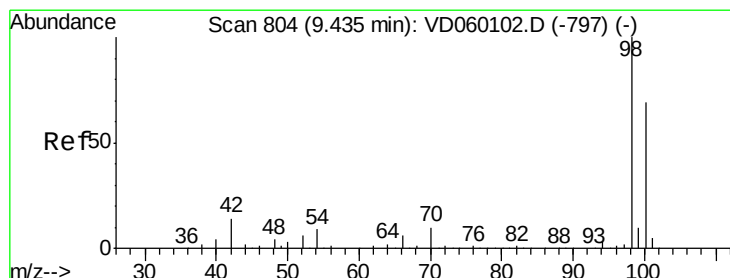
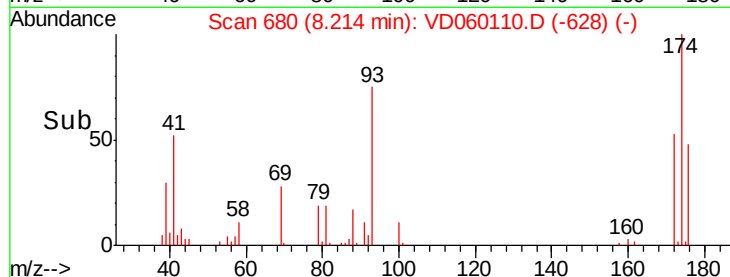
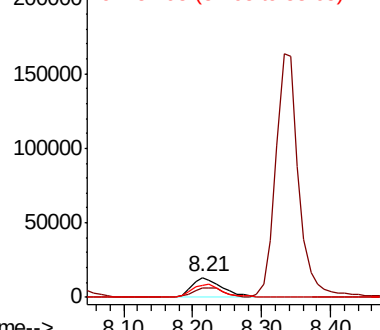
#49
1,4-Dioxane
Concen: 398.067 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 88 Resp: 41300
Ion Ratio Lower Upper
88 100
43 47.2 33.7 50.5
58 60.6 49.1 73.7

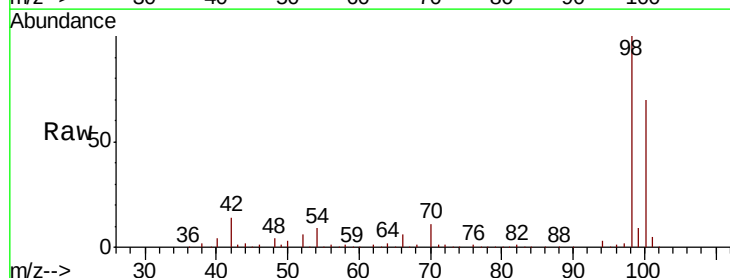


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

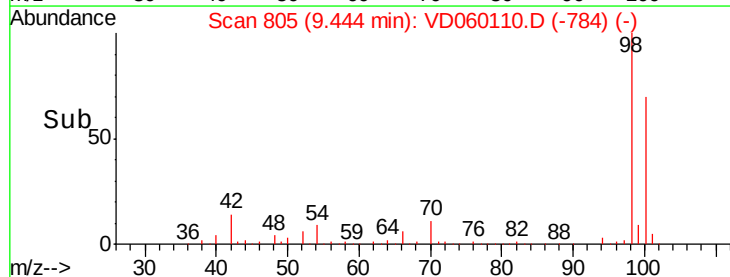
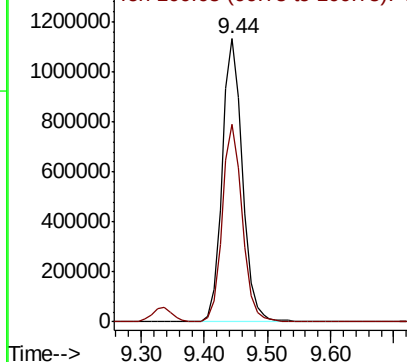


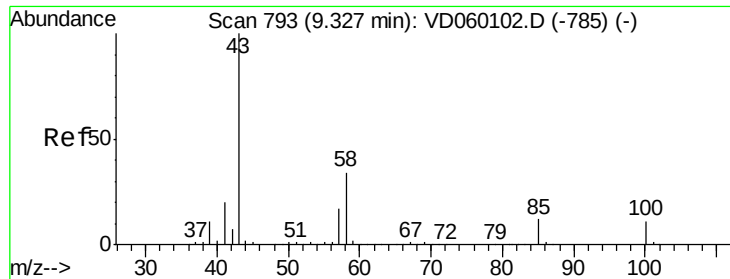
#50
Toluene-d8
Concen: 398.067 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 98 Resp: 2529165
Ion Ratio Lower Upper
98 100
100 69.8 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 106.277 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

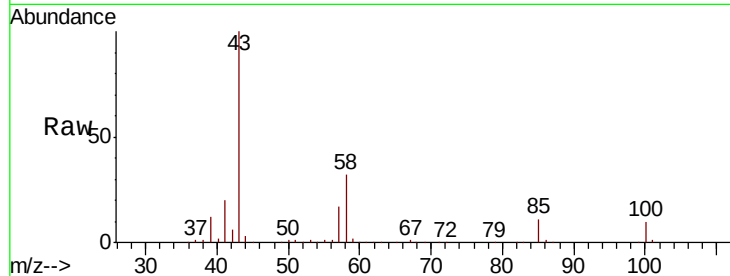
VD1002SBS01

Tot Ion: 43 Resp: 1240892

Ion Ratio Lower Upper

43 100

58 32.3 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

600000

500000

400000

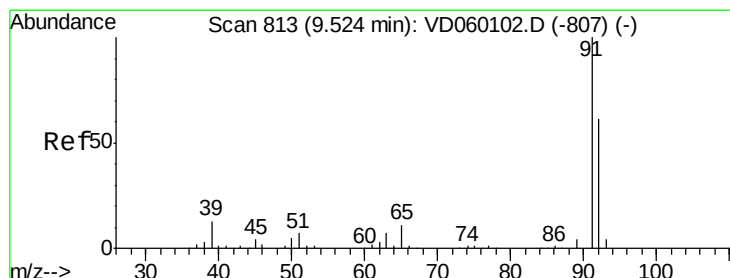
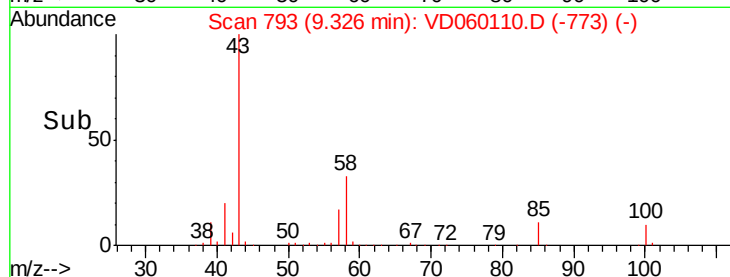
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.780 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060110.D

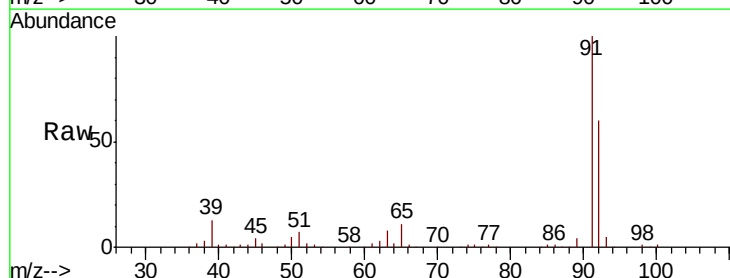
Acq: 2 Oct 2018 12:23

Tgt Ion: 92 Resp: 742223

Ion Ratio Lower Upper

92 100

91 167.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

600000

500000

400000

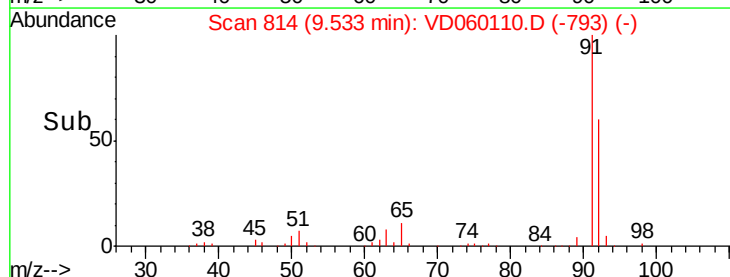
300000

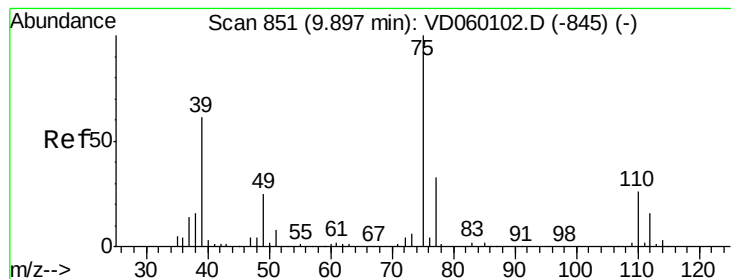
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.415 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

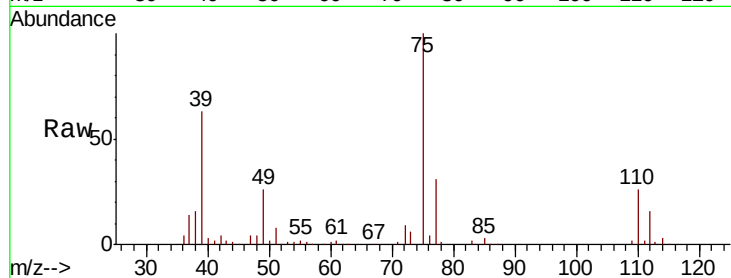
VD1002SBS01

Tot Ion: 75 Resp: 370038

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

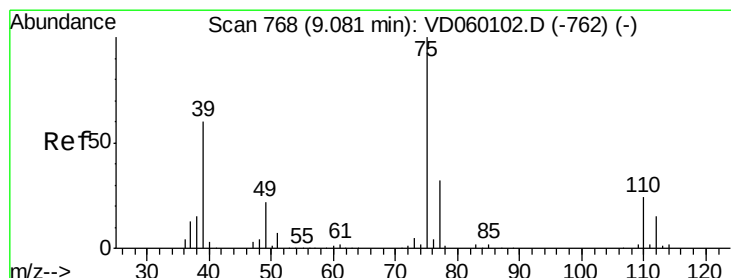
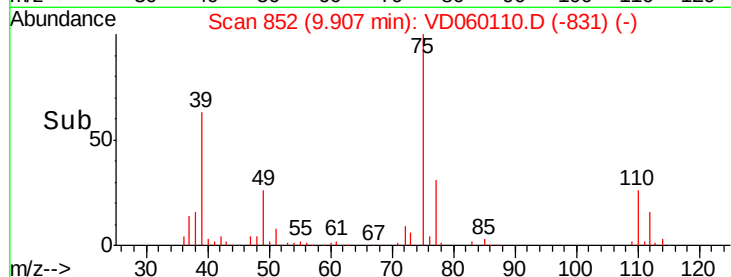
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.196 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

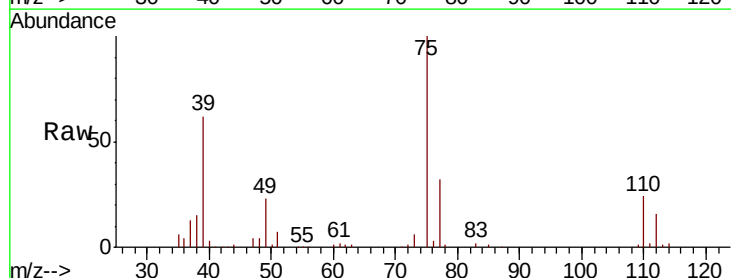
Tgt Ion: 75 Resp: 452055

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 61.7 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.09

250000

200000

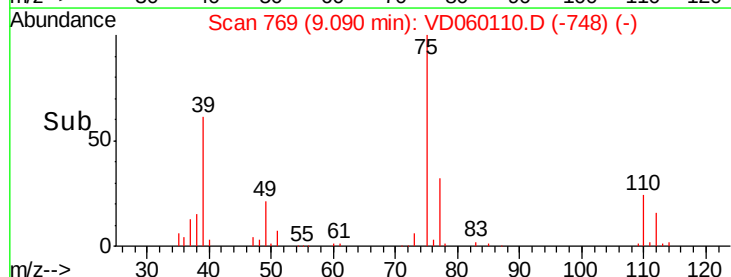
150000

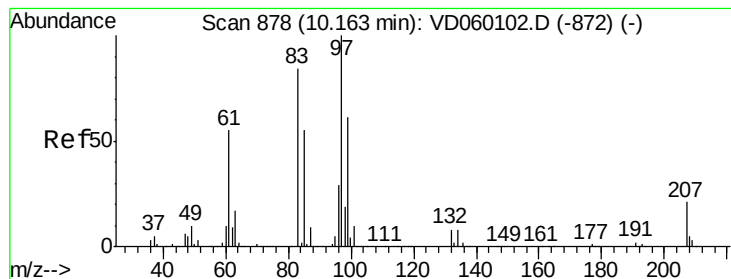
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.257 ug/l

RT: 10.17 min Scan# 879

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 97 Resp: 236536

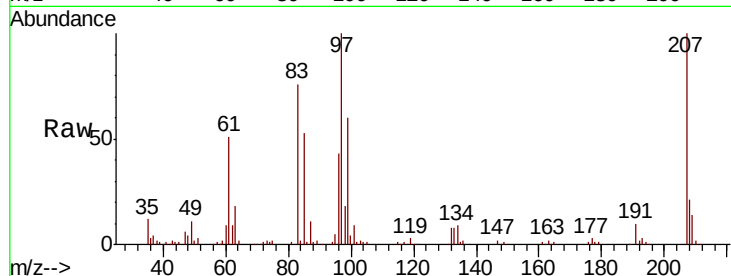
Ion Ratio Lower Upper

97 100

83 76.3 67.0 100.6

85 52.9 43.9 65.9

99 59.6 49.1 73.7

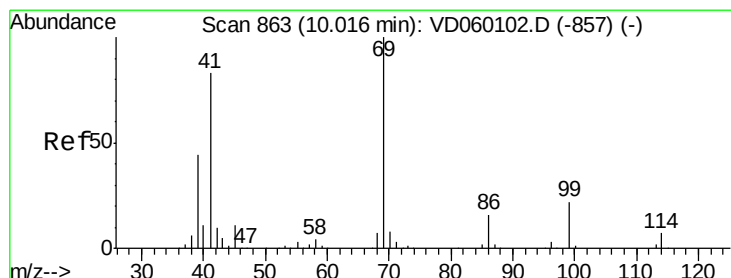
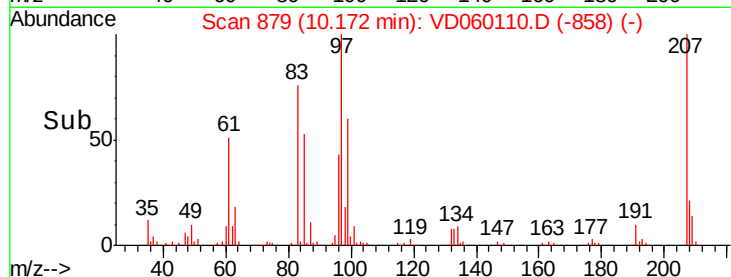
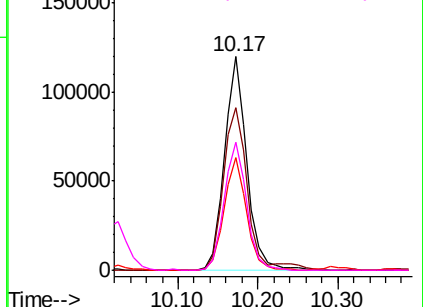


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.561 ug/l

RT: 10.02 min Scan# 864

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

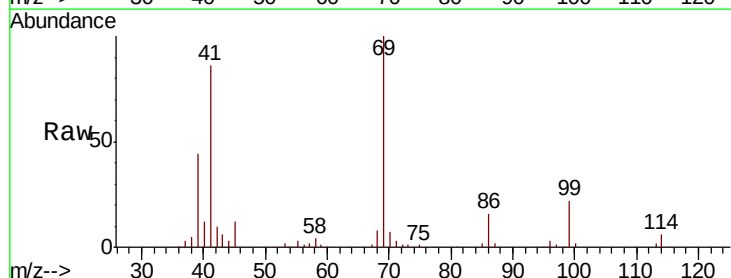
Tgt Ion: 69 Resp: 265014

Ion Ratio Lower Upper

69 100

41 86.0 66.6 100.0

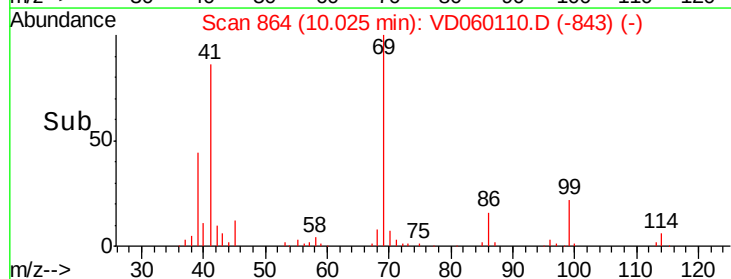
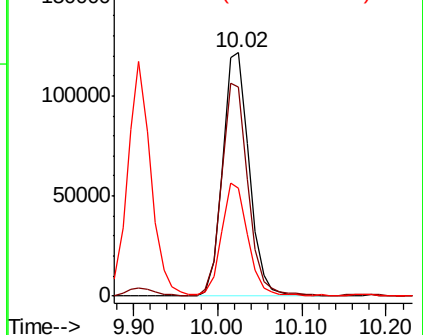
39 44.1 36.0 54.0

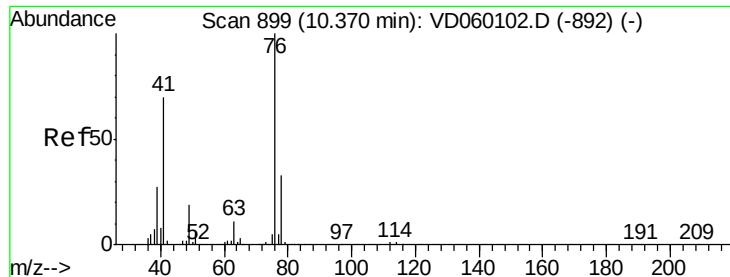


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

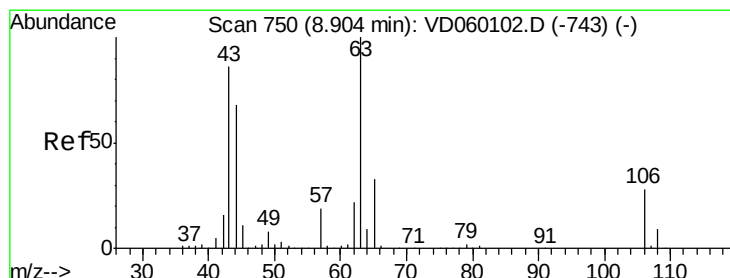
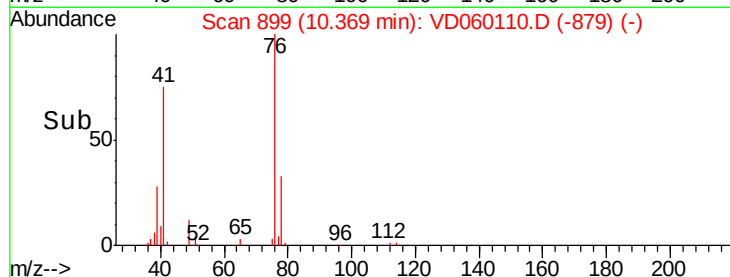
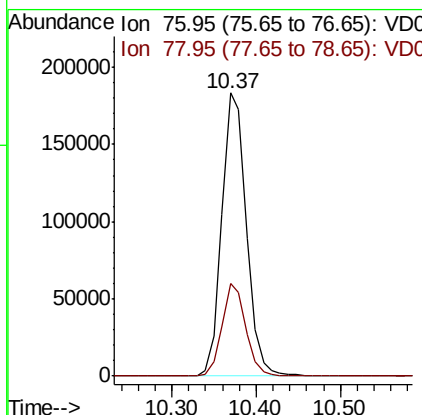
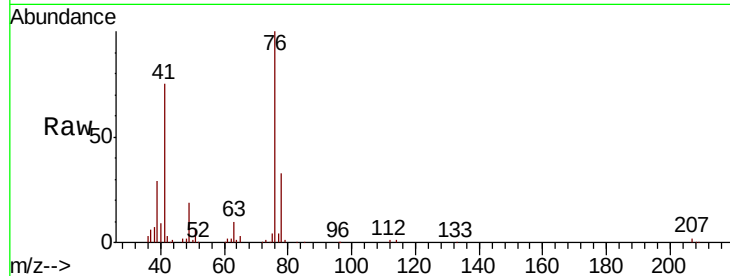




#57
 1,3-Dichloropropane
 Concen: 20.774 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

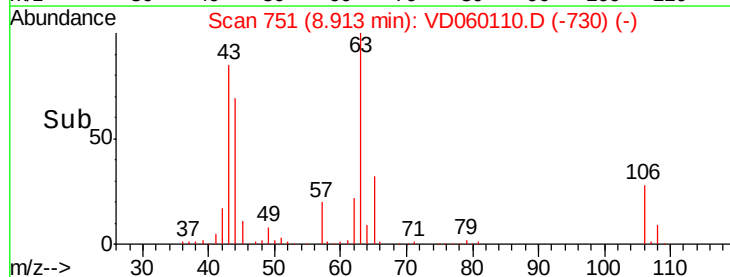
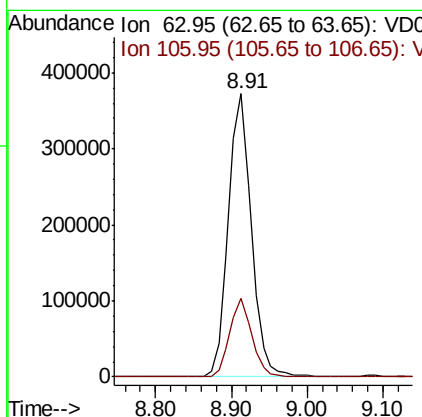
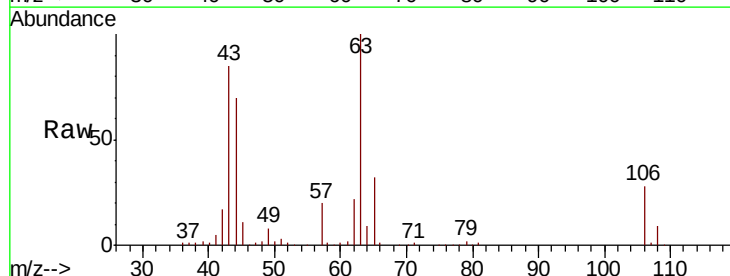
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

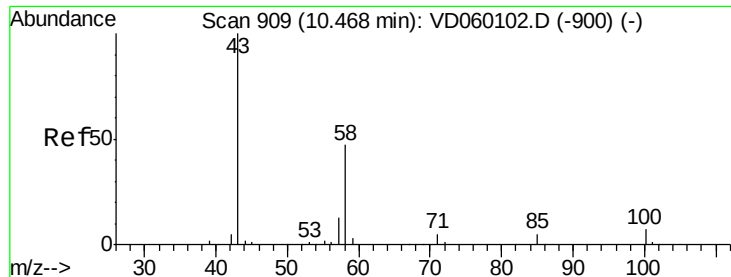
Tot Ion: 76 Resp: 369949
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.391 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion: 63 Resp: 782976
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.6 34.0

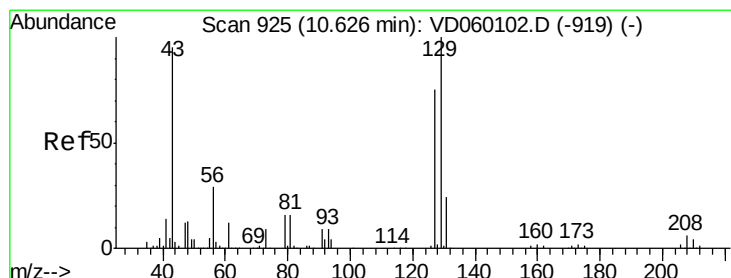
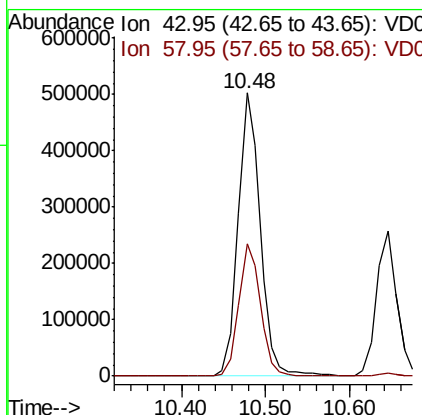
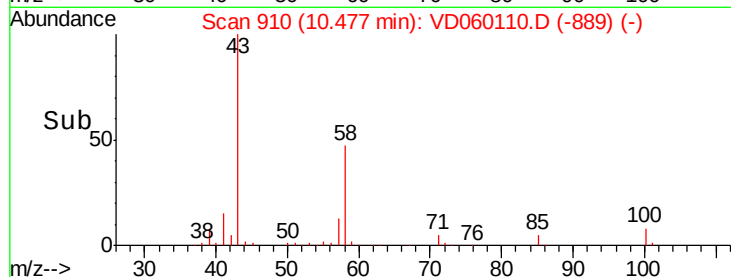
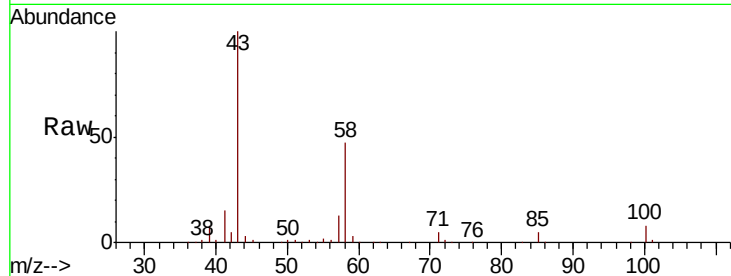




#59
2-Hexanone
Concen: 109.960 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

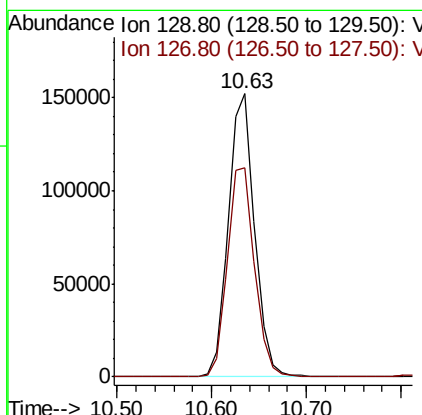
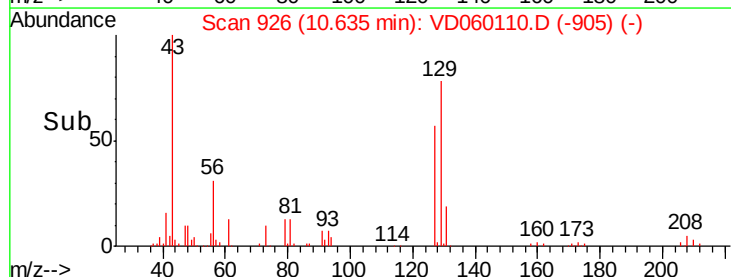
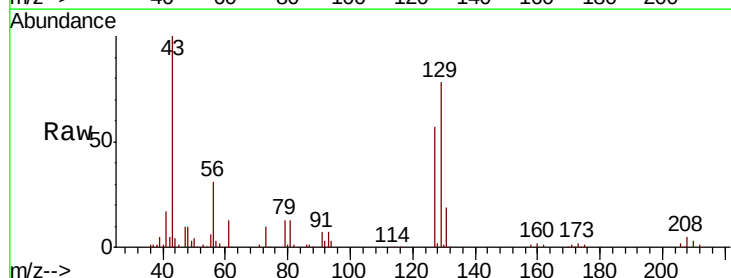
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

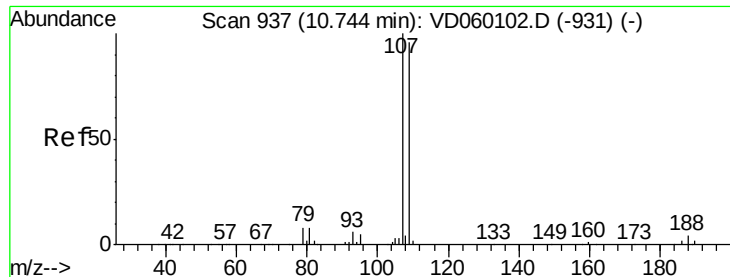
Tot Ion: 43 Resp: 923230
Ion Ratio Lower Upper
43 100
58 46.8 23.3 69.9



#60
Dibromochloromethane
Concen: 20.244 ug/l
RT: 10.63 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 129 Resp: 290025
Ion Ratio Lower Upper
129 100
127 73.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 20.160 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

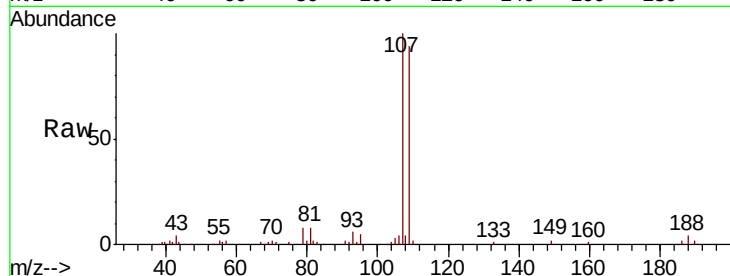
VD1002SBS01

Tot Ion:107 Resp: 250115

Ion Ratio Lower Upper

107 100

109 93.5 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

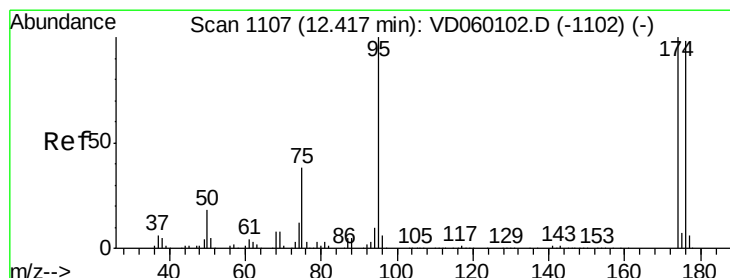
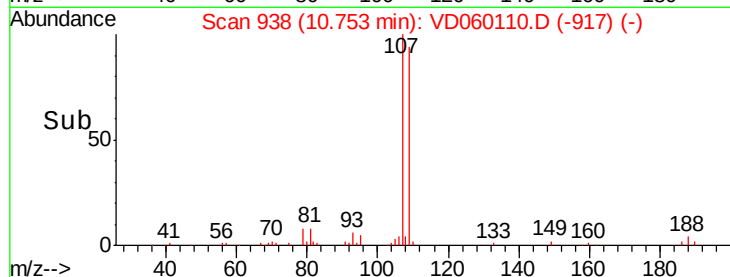
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.160 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

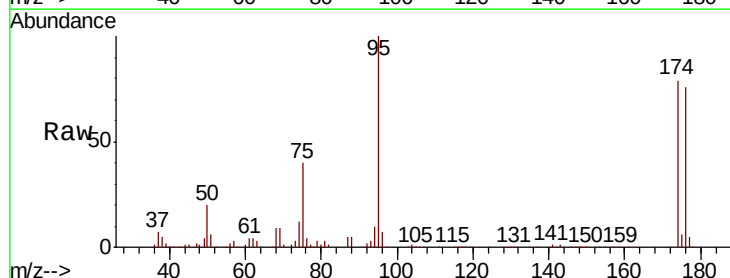
Tgt Ion: 95 Resp: 949273

Ion Ratio Lower Upper

95 100

174 79.2 0.0 200.2

176 75.5 0.0 195.6



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

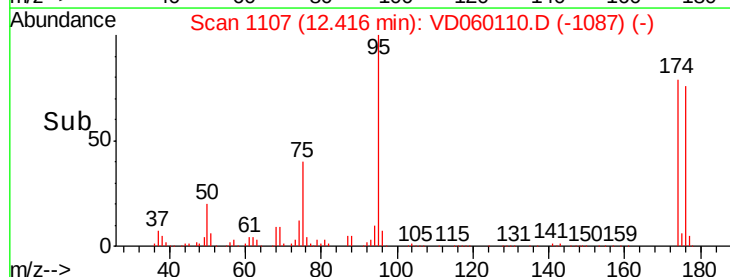
600000

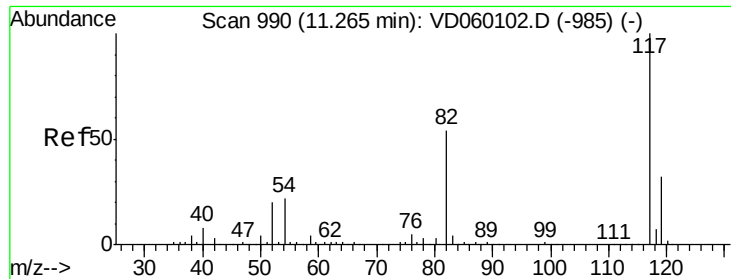
400000

200000

0

Time-->

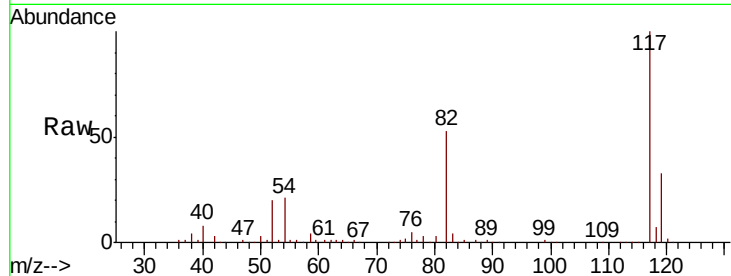




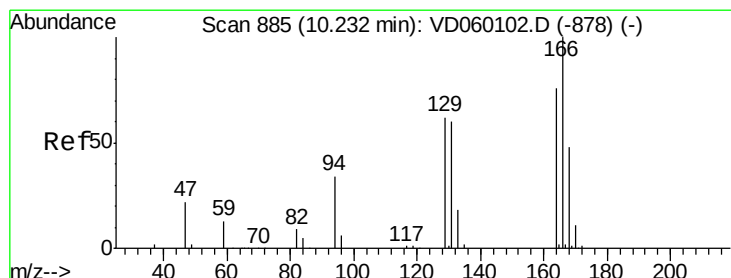
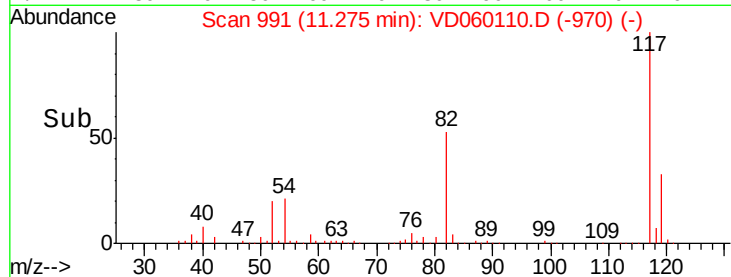
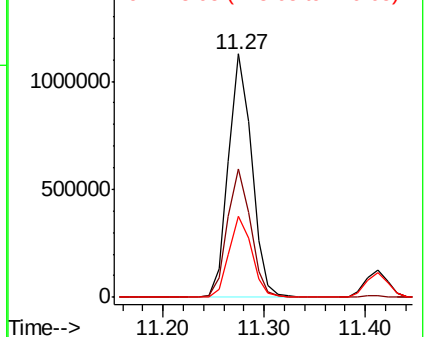
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion:117 Resp: 1806176
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.2
119 33.0 26.0 39.0

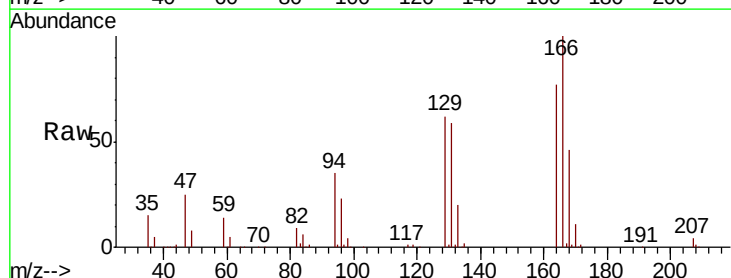


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

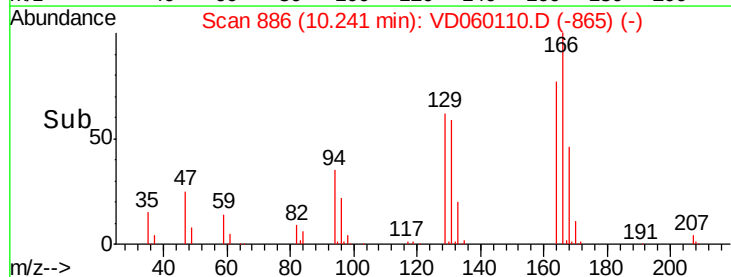
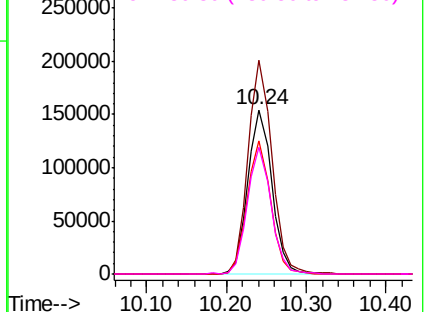


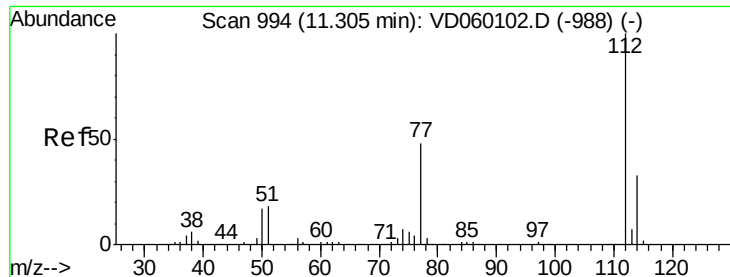
#64
Tetrachloroethene
Concen: 20.323 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion:164 Resp: 321498
Ion Ratio Lower Upper
164 100
166 129.9 105.4 158.0
129 81.2 65.7 98.5
131 77.0 62.9 94.3



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

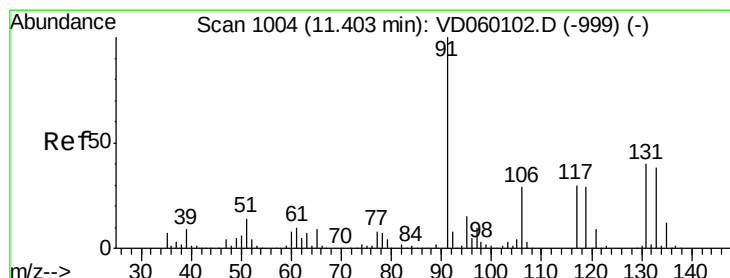
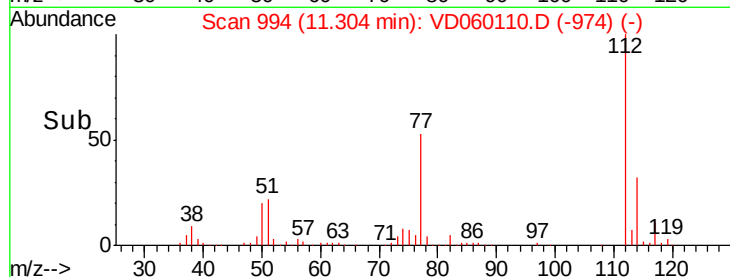
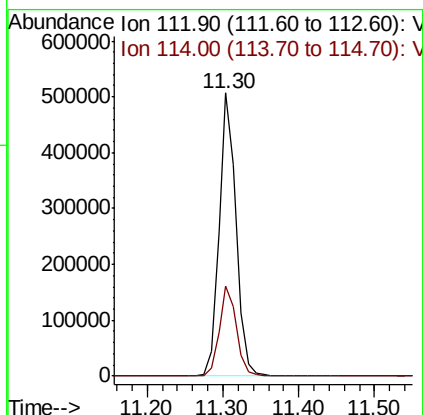
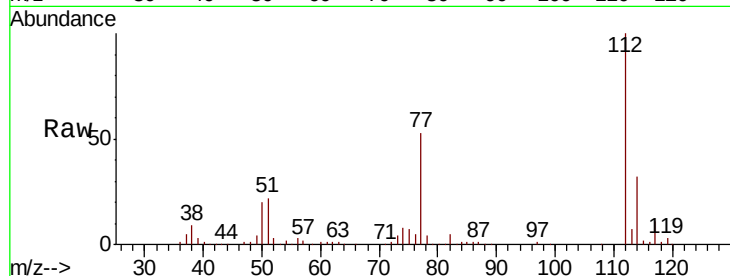




#65
Chlorobenzene
Concen: 20.336 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

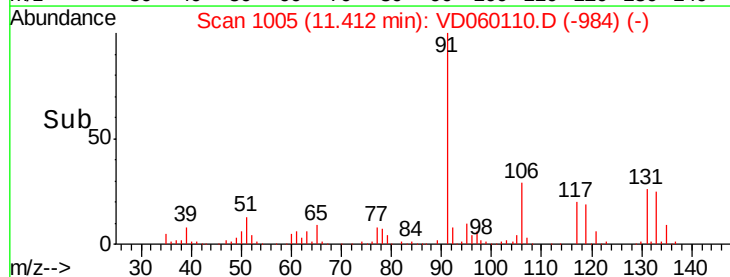
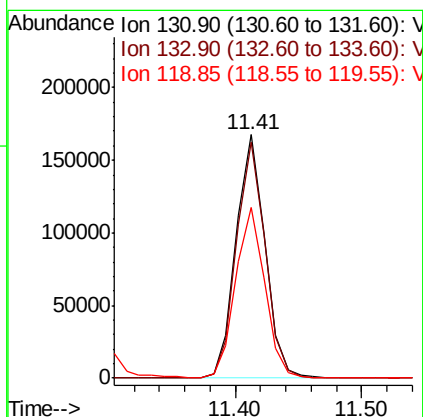
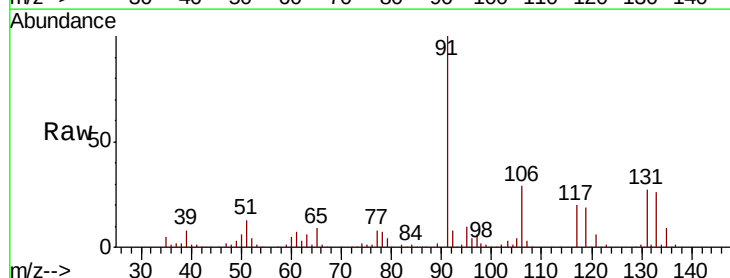
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

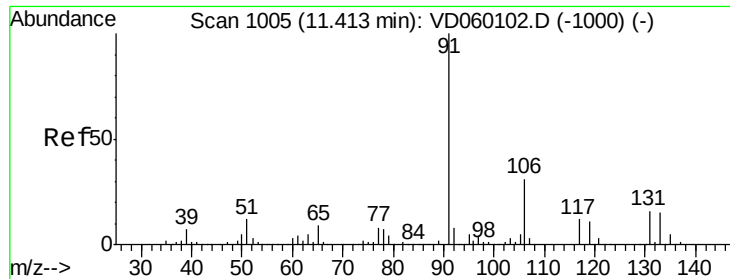
Tot Ion:112 Resp: 794616
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.340 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion:131 Resp: 265130
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 70.1 36.1 108.3

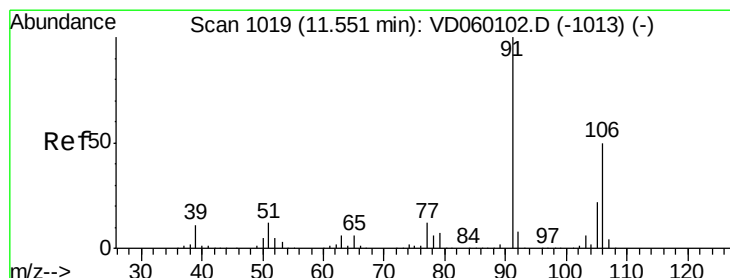
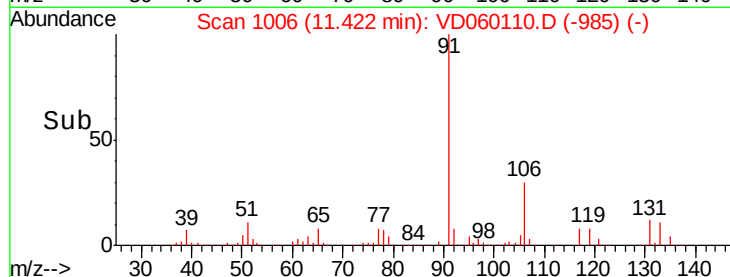
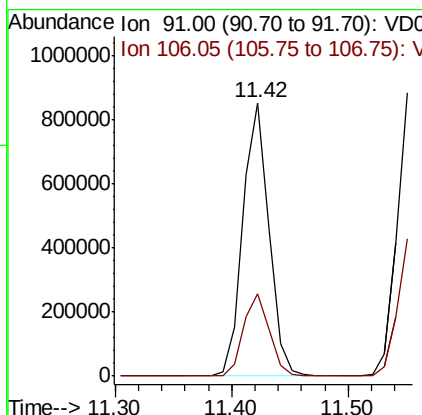
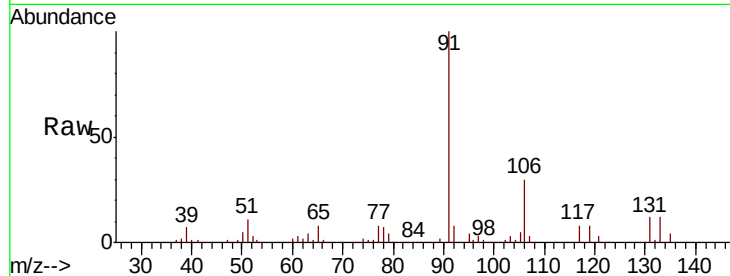




#67
Ethyl Benzene
Concen: 20.895 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

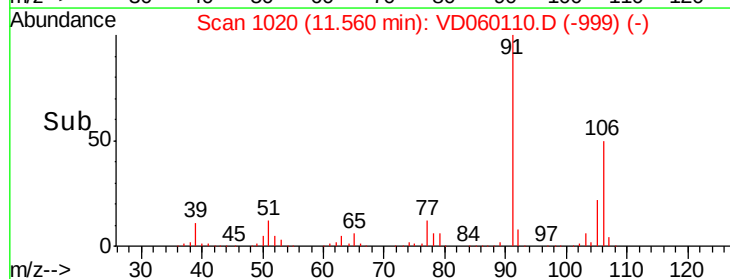
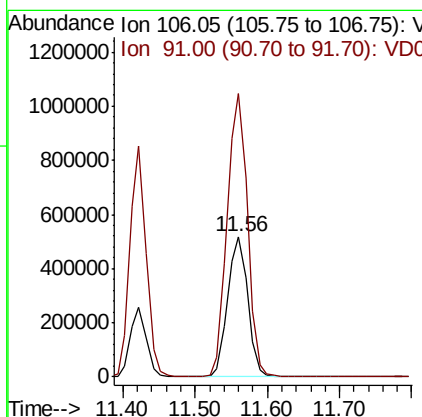
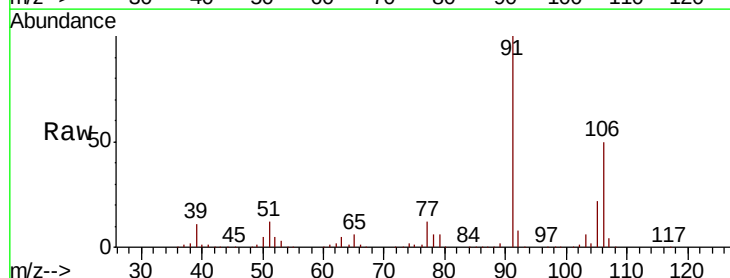
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

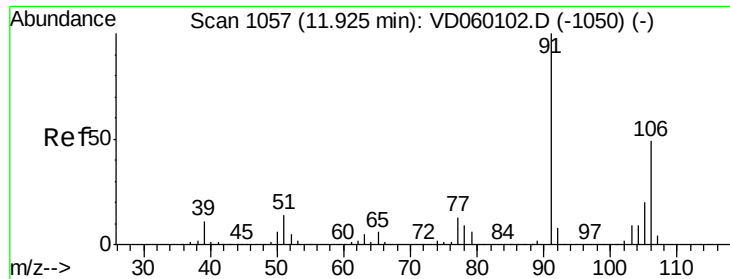
Tot Ion: 91 Resp: 1322788
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6



#68
m/p-Xylenes
Concen: 42.515 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 106 Resp: 1005637
Ion Ratio Lower Upper
106 100
91 201.5 160.0 240.0

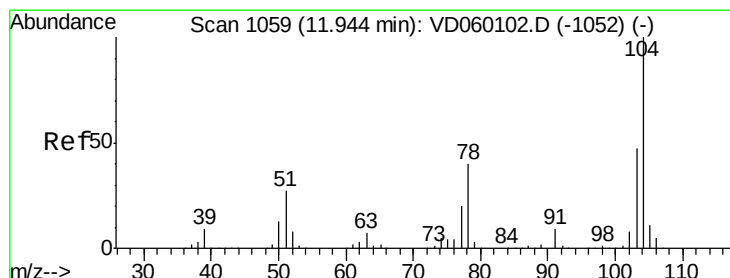
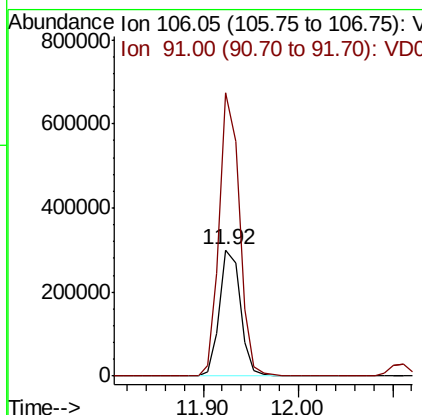
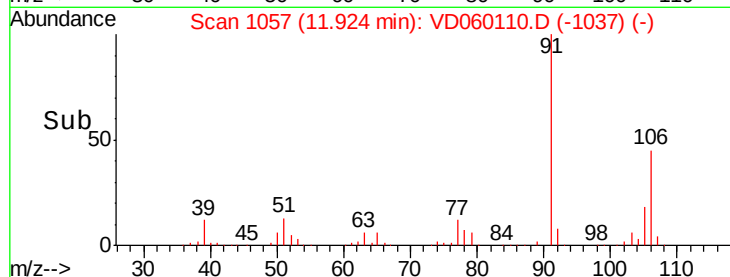
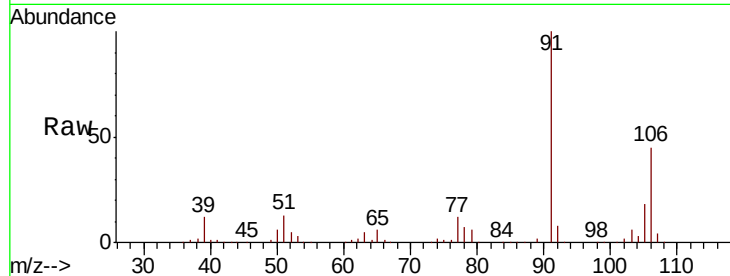




#69
o-Xylene
Concen: 19.792 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

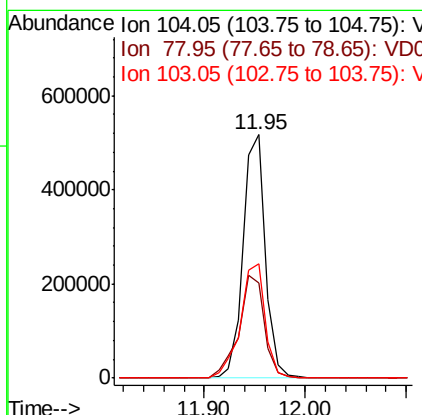
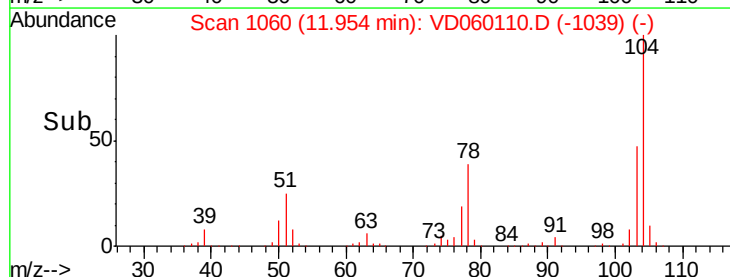
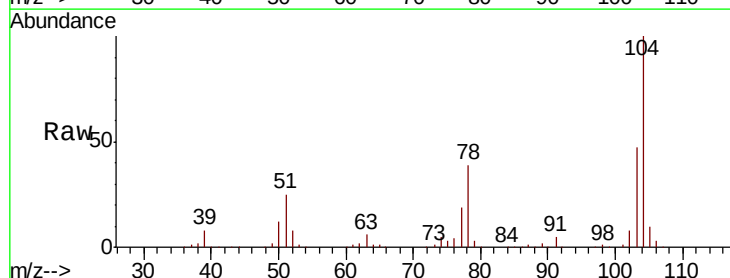
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

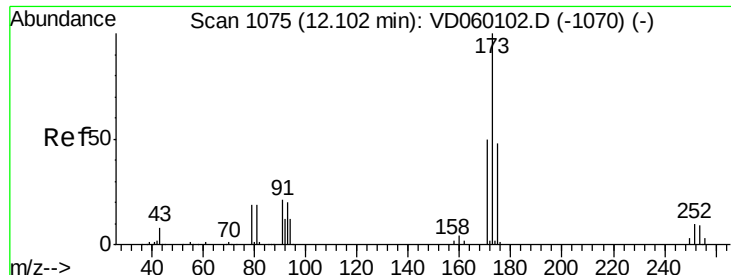
Tot Ion:106 Resp: 463075
Ion Ratio Lower Upper
106 100
91 224.1 102.5 307.5



#70
Styrene
Concen: 20.325 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion:104 Resp: 795249
Ion Ratio Lower Upper
104 100
78 39.0 32.2 48.4
103 47.0 37.4 56.0





#71

Bromoform

Concen: 19.706 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

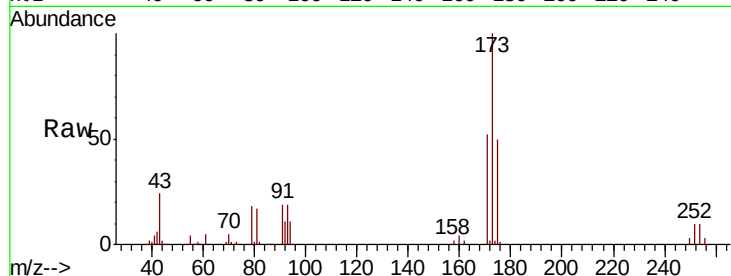
Tot Ion:173 Resp: 208001

Ion Ratio Lower Upper

173 100

175 49.9 24.1 72.4

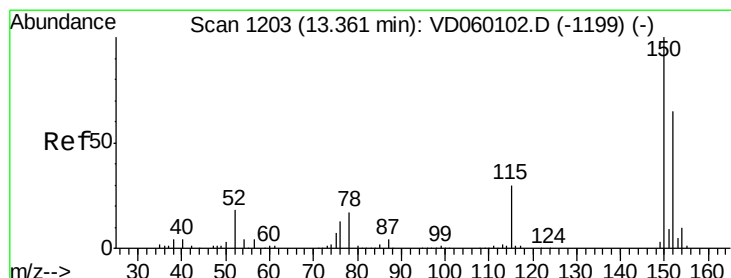
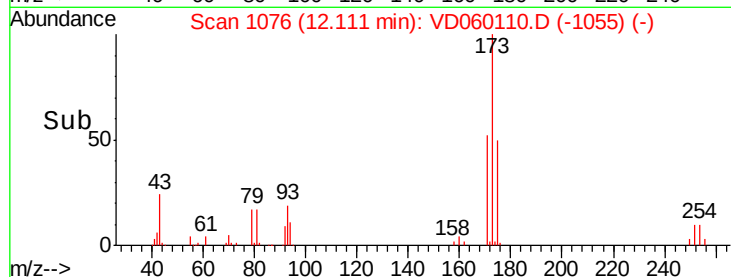
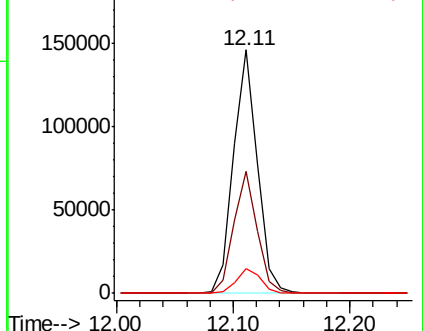
254 10.3 7.4 11.0



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: VD060110.D

Acq: 2 Oct 2018 12:23

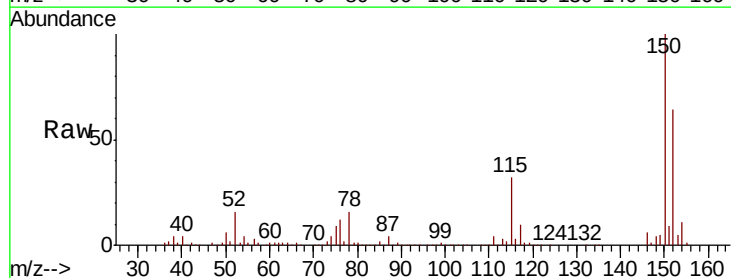
Tgt Ion:152 Resp: 948780

Ion Ratio Lower Upper

152 100

115 49.5 27.1 81.2

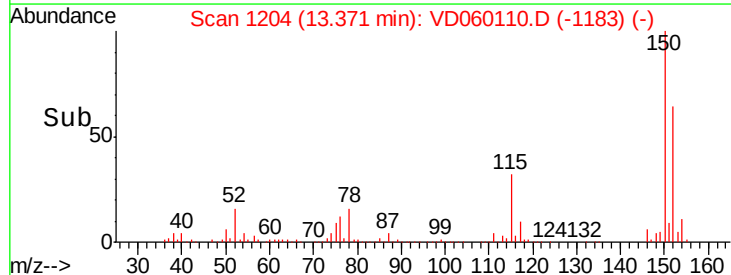
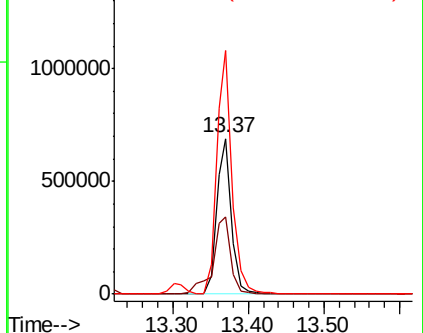
150 156.3 0.0 311.8

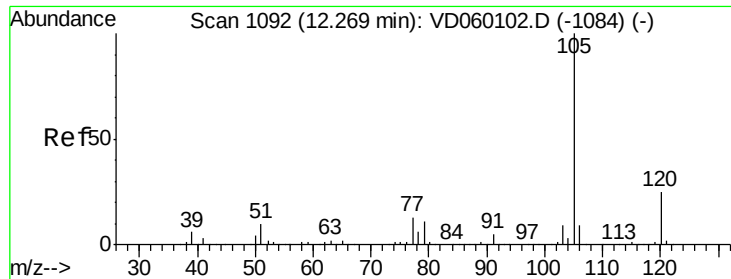


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.023 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

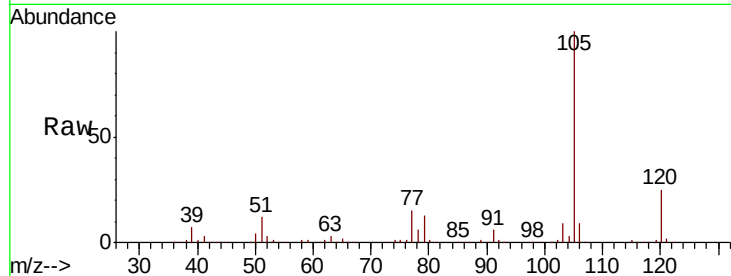
VD1002SBS01

Tot Ion:105 Resp: 1315889

Ion Ratio Lower Upper

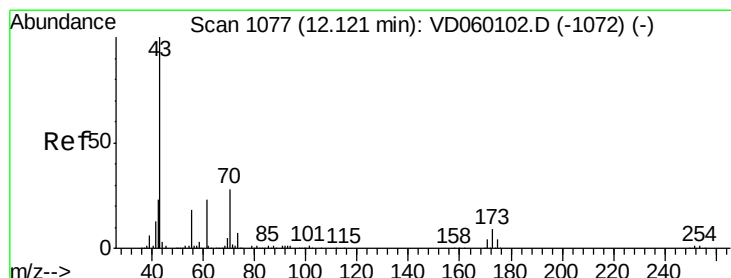
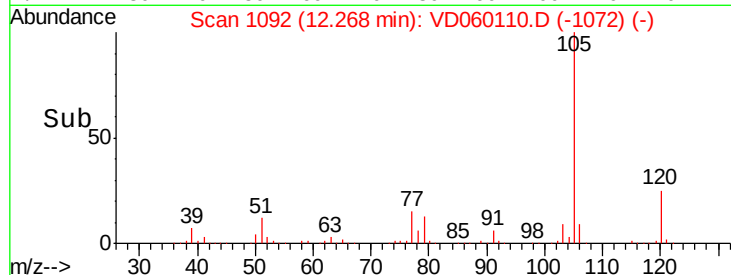
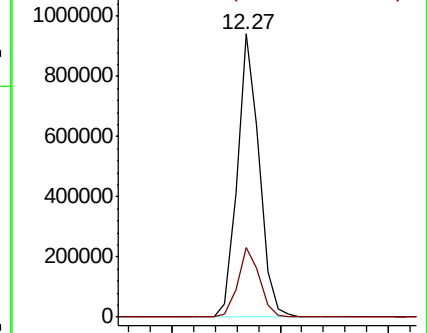
105 100

120 24.6 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.964 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Tgt Ion: 43 Resp: 480647

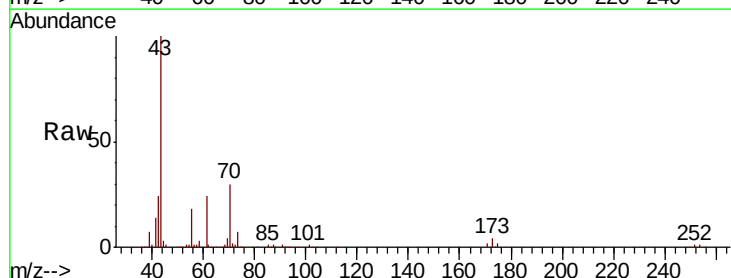
Ion Ratio Lower Upper

43 100

70 29.5 22.1 33.1

55 17.8 14.1 21.1

61 23.9 18.4 27.6

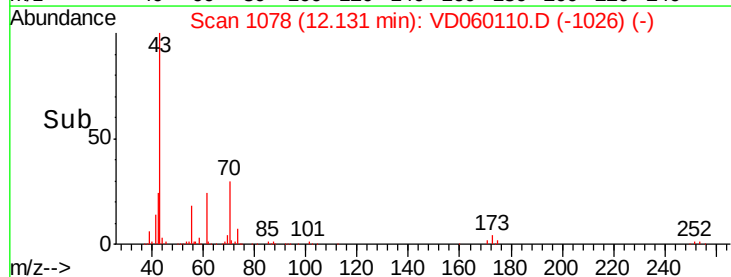
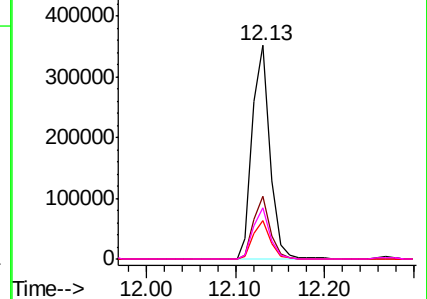


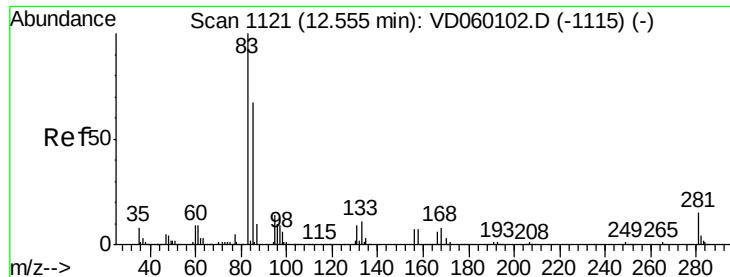
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

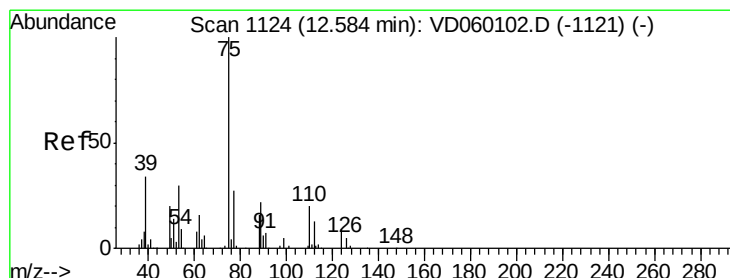
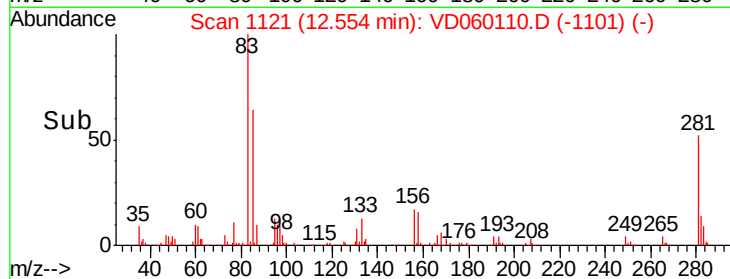
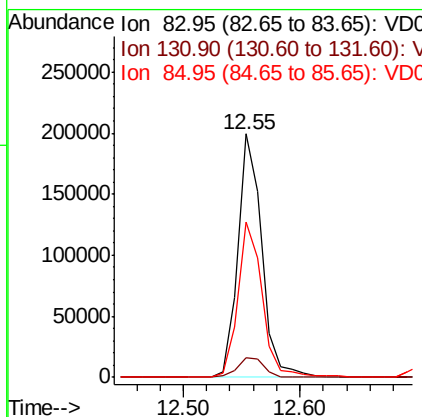
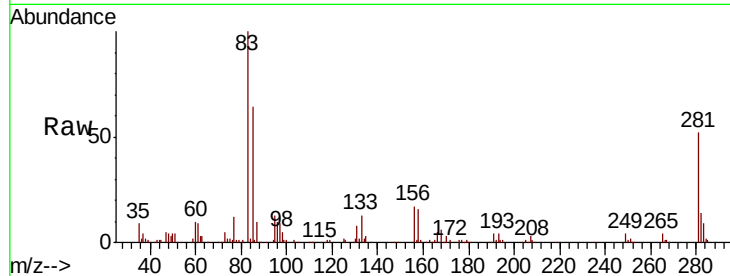




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.703 ug/l
 RT: 12.55 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

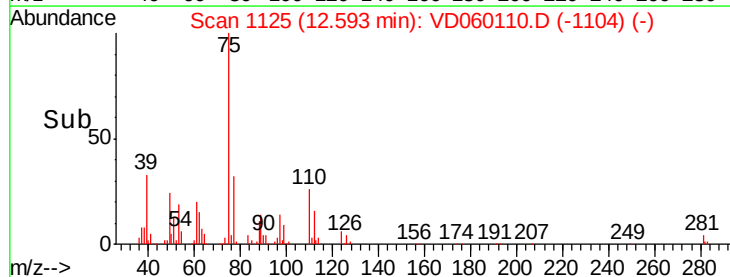
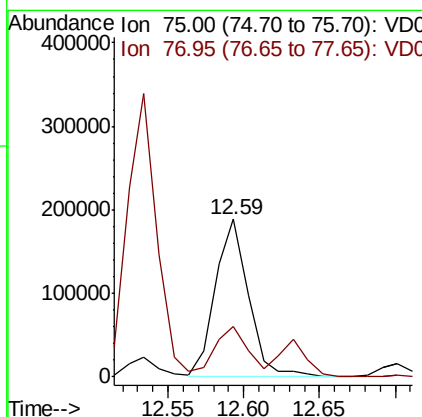
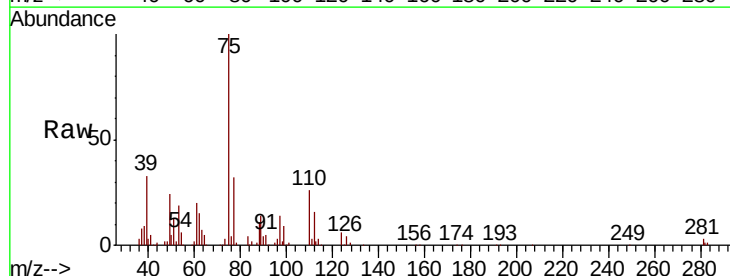
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

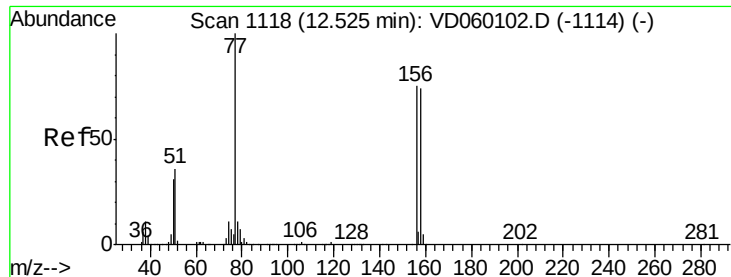
Tot Ion	83	Resp	282900
Ion Ratio	100	Lower	Upper
83	100		
131	7.8	4.5	13.4
85	63.8	33.3	99.9



#76
 1,2,3-Trichloropropane
 Concen: 20.933 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion	75	Resp	286026
Ion Ratio	100	Lower	Upper
75	100		
77	32.3	16.3	48.9





#77

Bromobenzene

Concen: 20.486 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

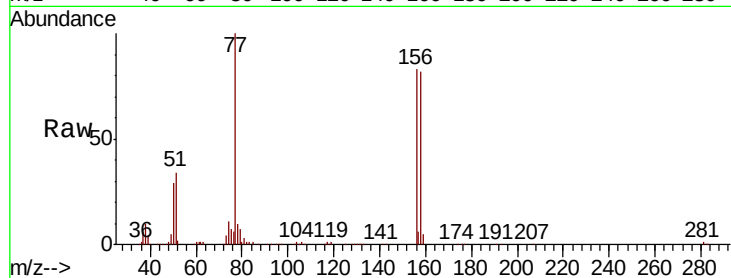
Tot Ion:156 Resp: 372628

Ion Ratio Lower Upper

156 100

77 120.0 66.9 200.7

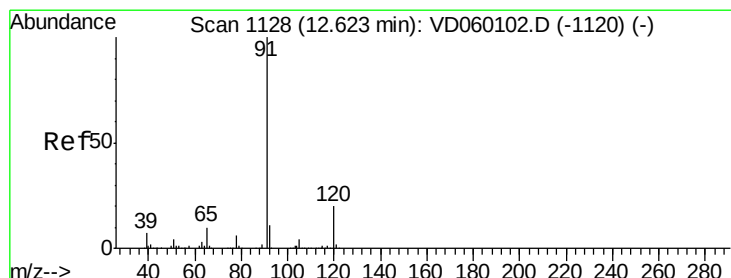
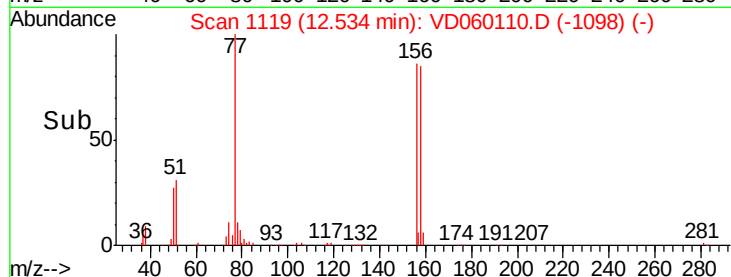
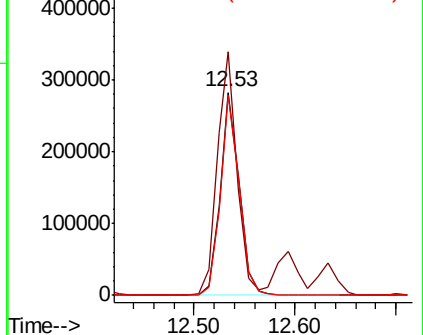
158 98.7 49.1 147.4



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: 21.098 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060110.D

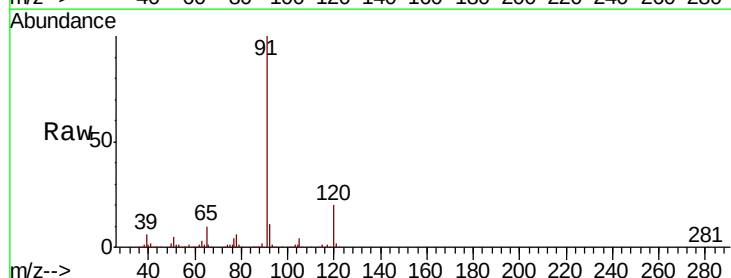
Acq: 2 Oct 2018 12:23

Tgt Ion: 91 Resp: 1639736

Ion Ratio Lower Upper

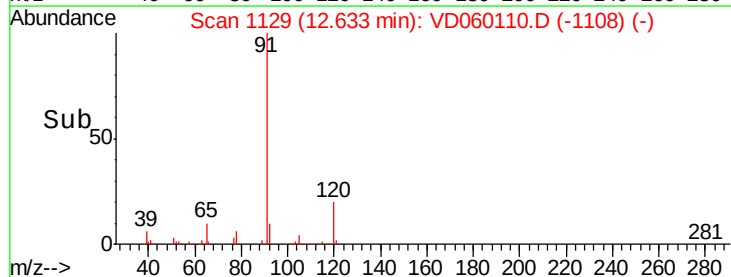
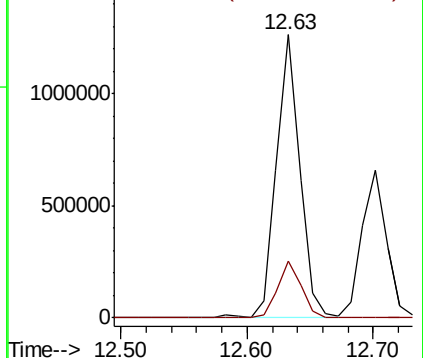
91 100

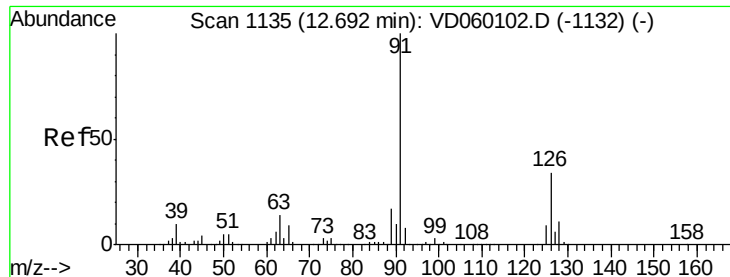
120 20.3 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

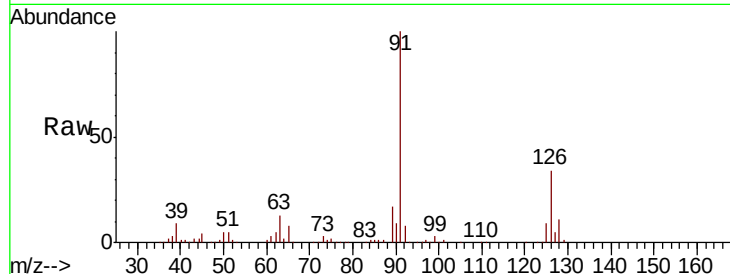




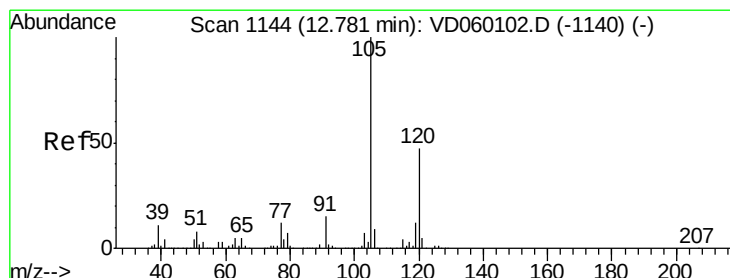
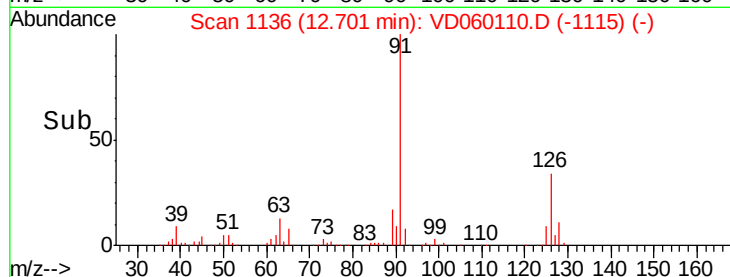
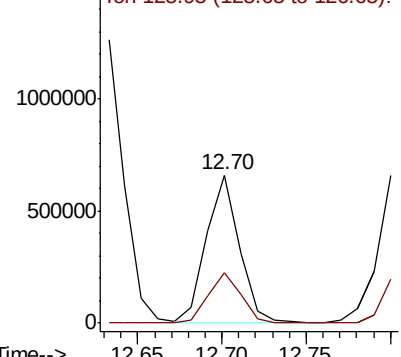
#79
 2-Chlorotoluene
 Concen: 20.738 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion: 91 Resp: 894539
 Ion Ratio Lower Upper
 91 100
 126 34.3 16.8 50.3

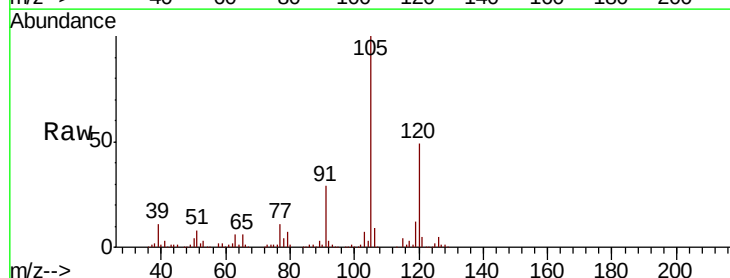


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

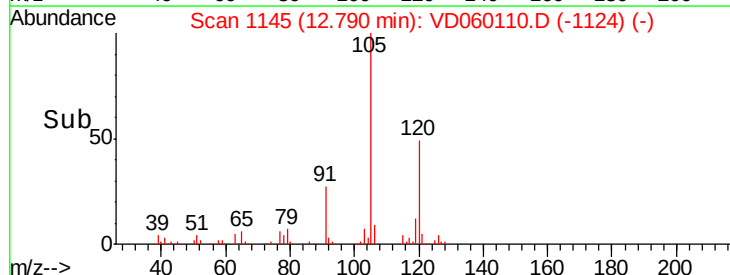
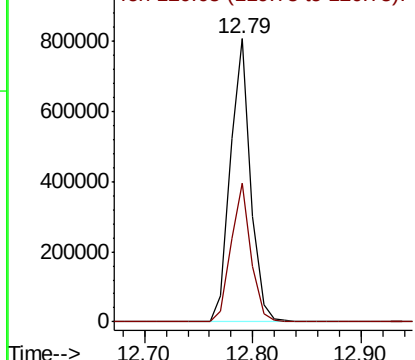


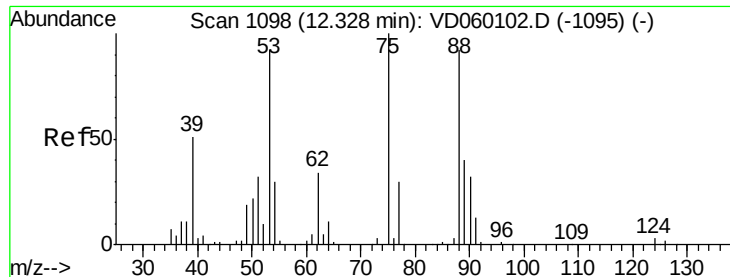
#80
 1,3,5-Trimethylbenzene
 Concen: 21.512 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion: 105 Resp: 1042111
 Ion Ratio Lower Upper
 105 100
 120 49.0 23.7 71.1



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: 20.425 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

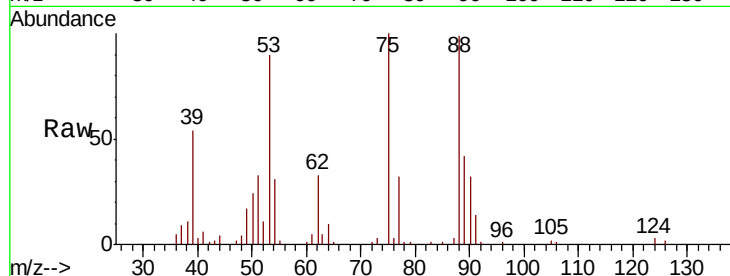
Tot Ion: 75 Resp: 78416

Ion Ratio Lower Upper

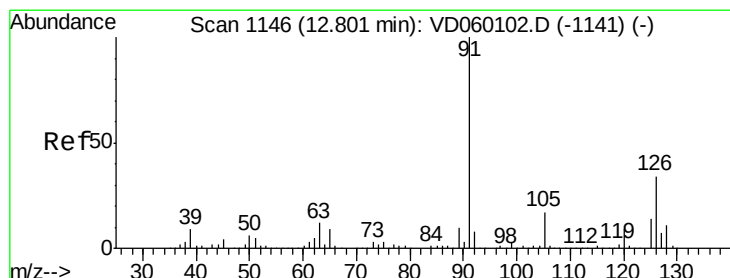
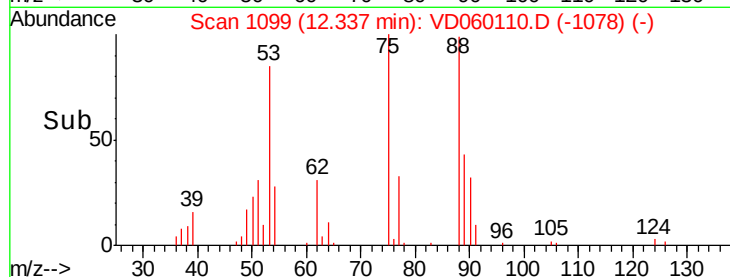
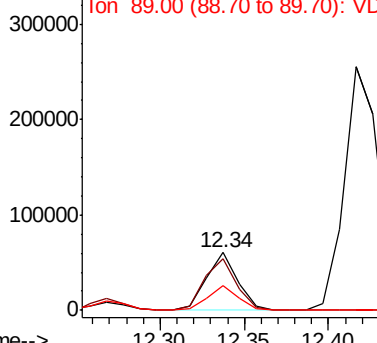
75 100

53 89.5 73.0 109.6

89 42.0 32.0 48.0



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



#82

4-Chlorotoluene

Concen: 21.489 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060110.D

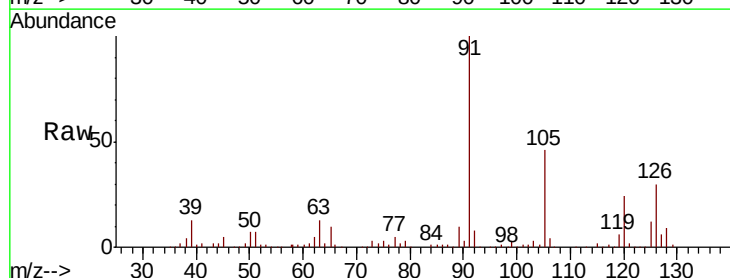
Acq: 2 Oct 2018 12:23

Tgt Ion: 91 Resp: 1048460

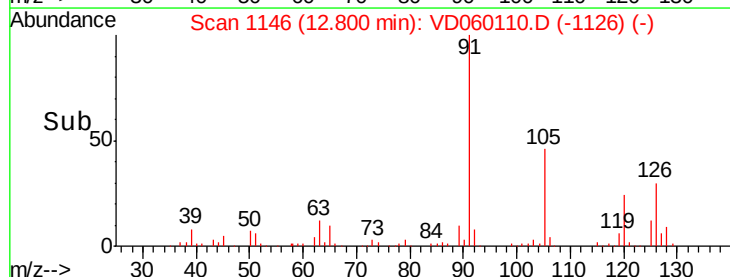
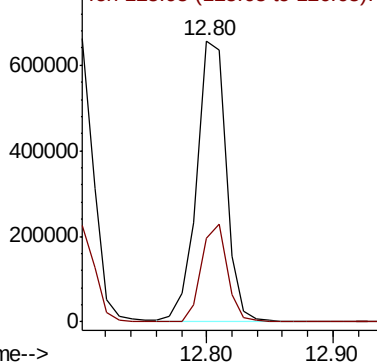
Ion Ratio Lower Upper

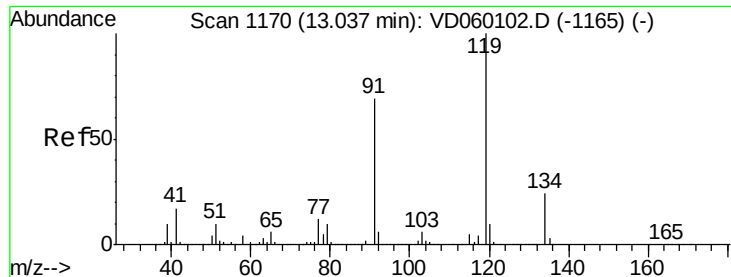
91 100

126 29.7 17.1 51.2



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

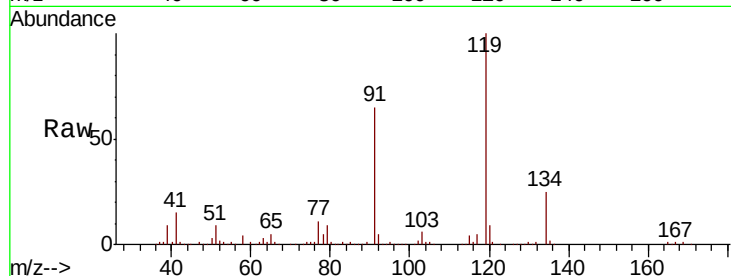




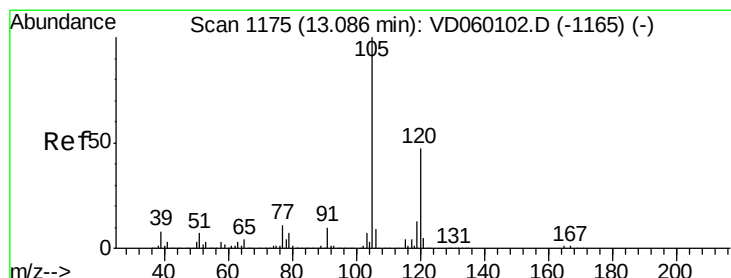
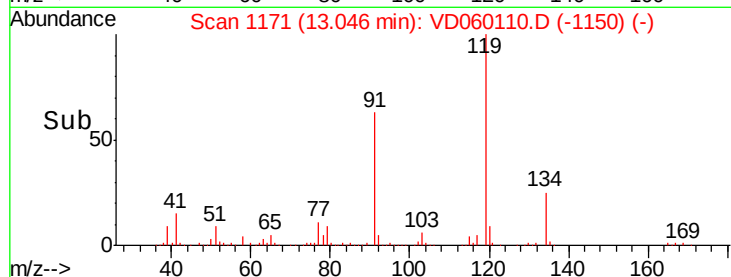
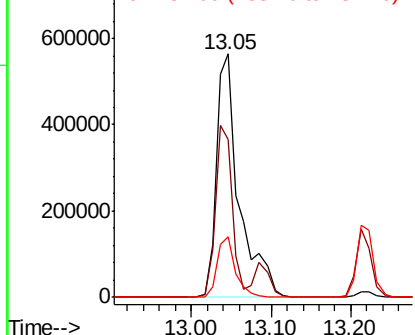
#83
 tert-Butylbenzene
 Concen: 20.272 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion:119 Resp: 1126932
 Ion Ratio Lower Upper
 119 100
 91 64.7 34.8 104.4
 134 25.0 11.8 35.4

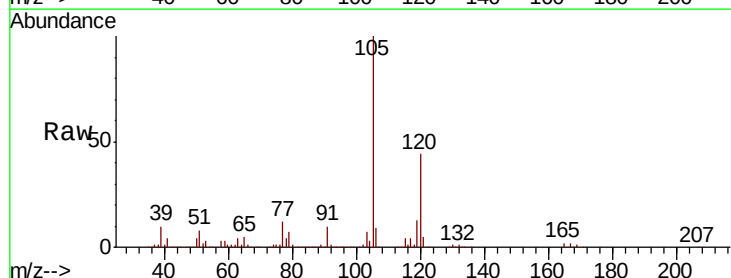


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

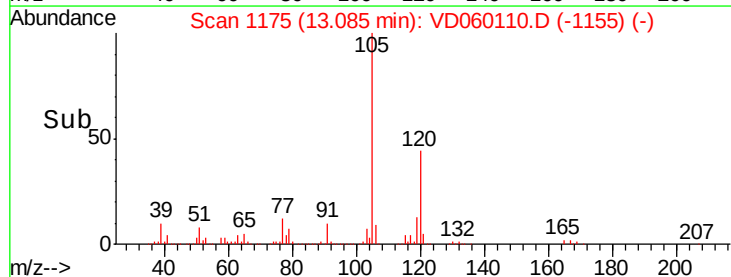
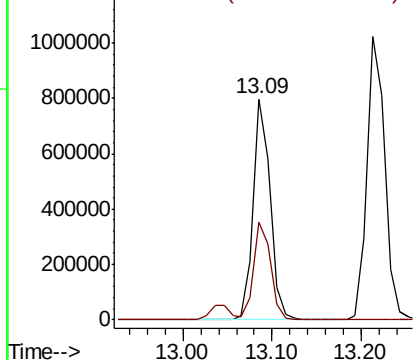


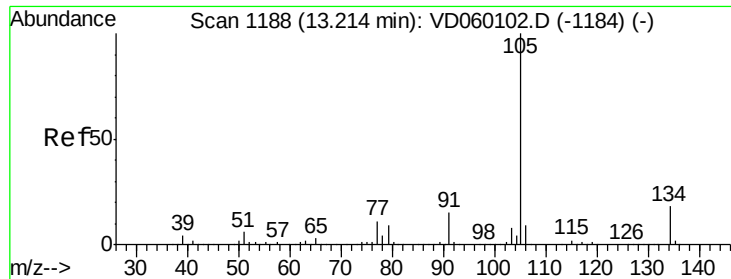
#84
 1,2,4-Trimethylbenzene
 Concen: 20.424 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion:105 Resp: 1042809
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.4 70.0



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





#85

sec-Butylbenzene

Concen: 21.227 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

Instrument :

MSVOA_D

ClientSampleId :

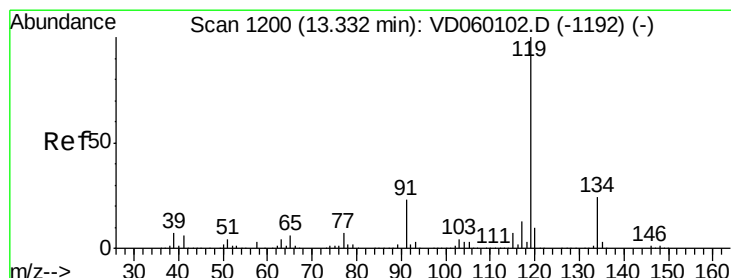
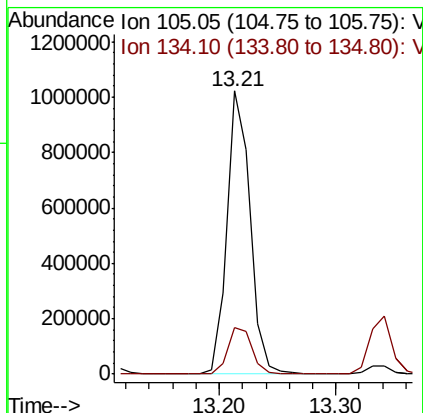
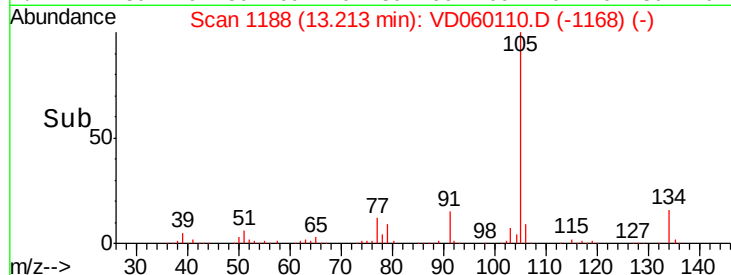
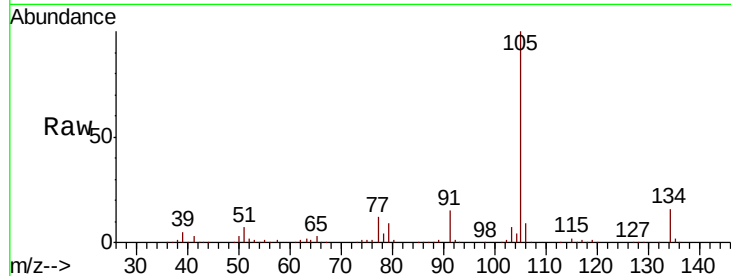
VD1002SBS01

Tot Ion:105 Resp: 1395262

Ion Ratio Lower Upper

105 100

134 16.3 8.8 26.2



#86

p-Isopropyltoluene

Concen: 21.370 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060110.D

Acq: 2 Oct 2018 12:23

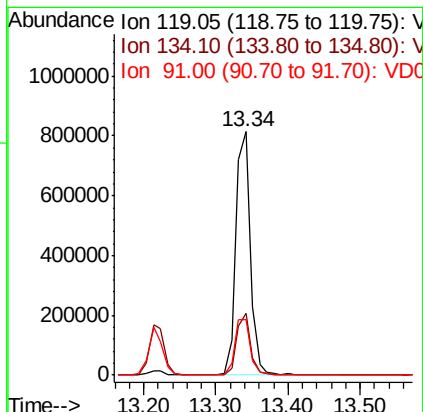
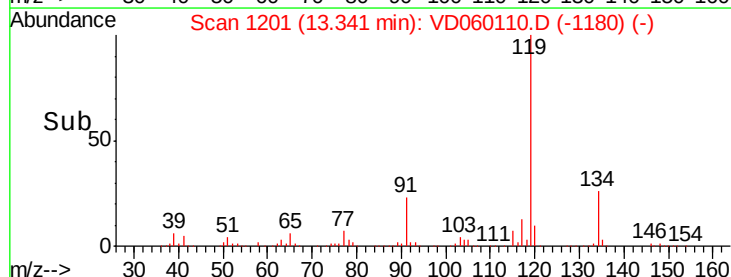
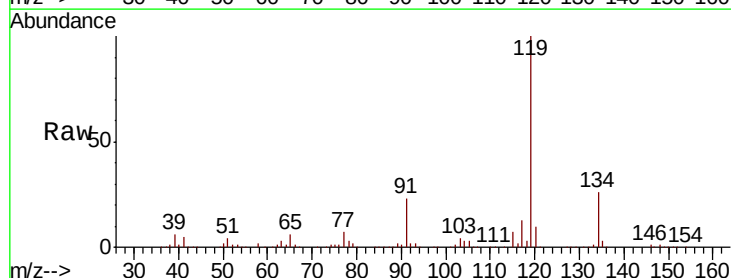
Tgt Ion:119 Resp: 1152123

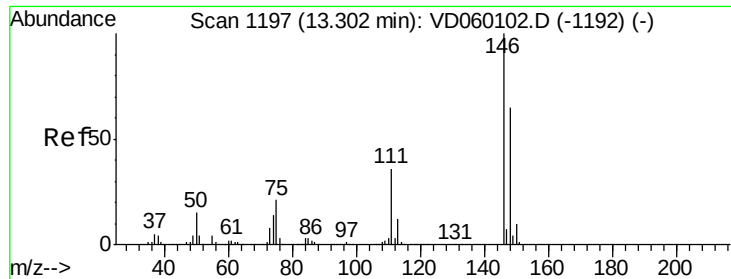
Ion Ratio Lower Upper

119 100

134 25.5 12.3 36.8

91 22.9 11.8 35.4

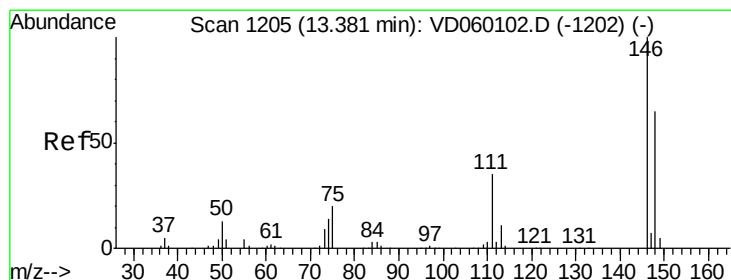
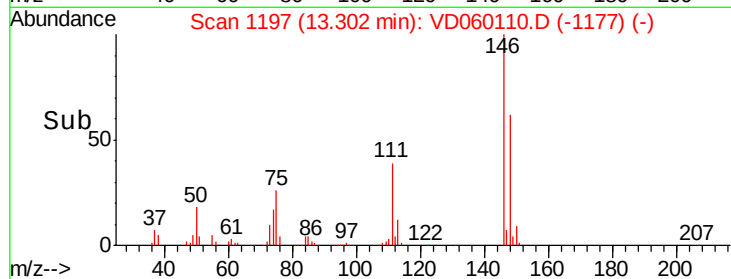
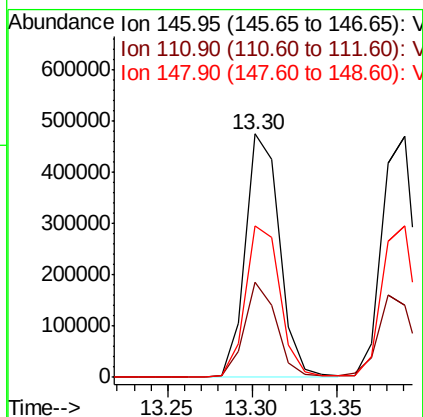
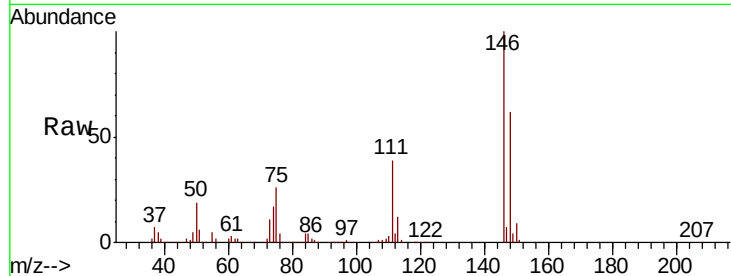




#87
 1,3-Dichlorobenzene
 Concen: 21.125 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

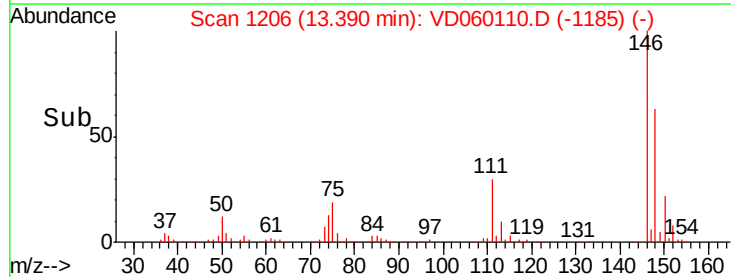
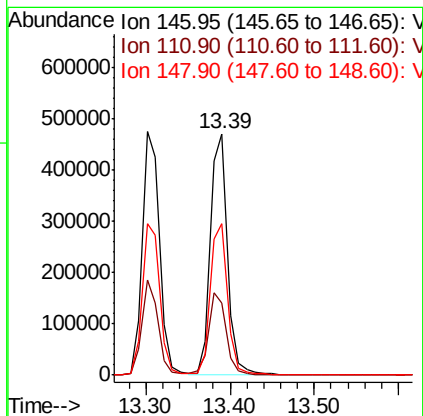
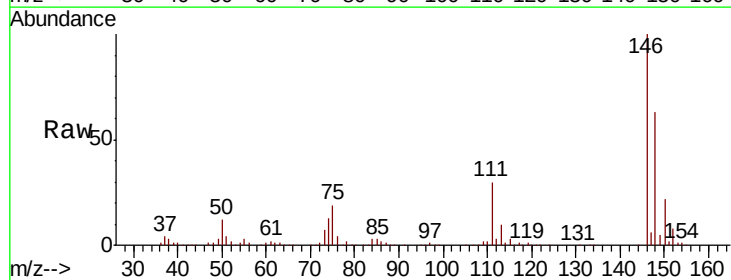
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

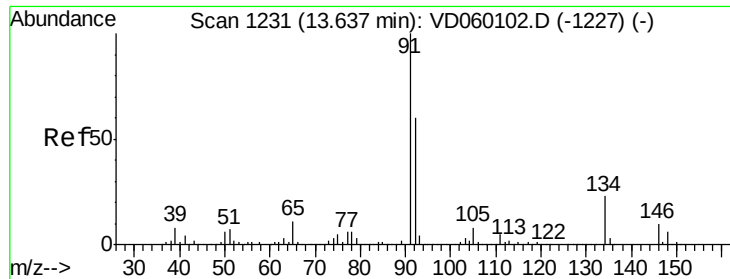
Tot Ion:146 Resp: 669463
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.1 54.3
 148 62.1 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 20.761 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion:146 Resp: 660828
 Ion Ratio Lower Upper
 146 100
 111 29.7 17.8 53.3
 148 62.6 32.4 97.2

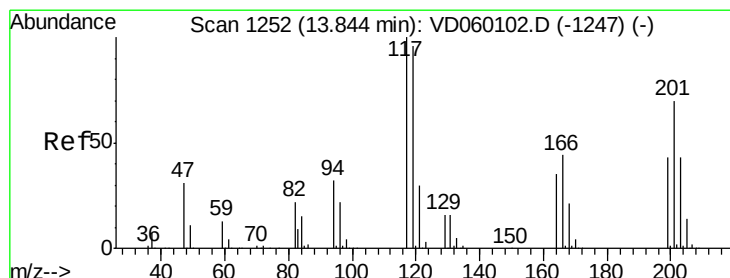
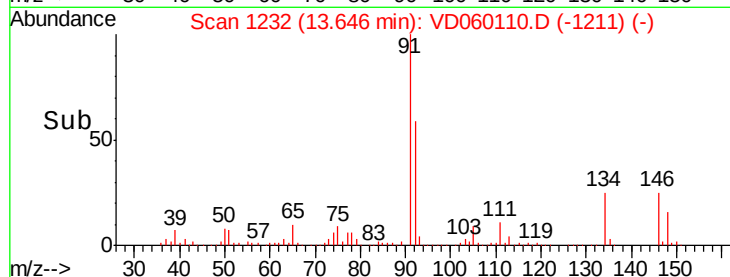
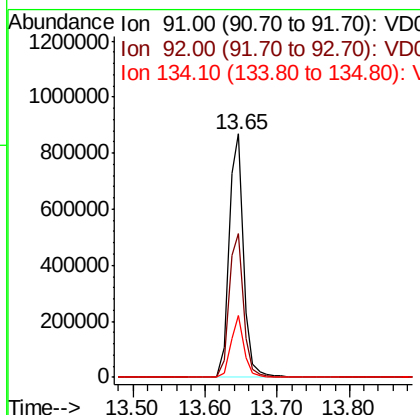
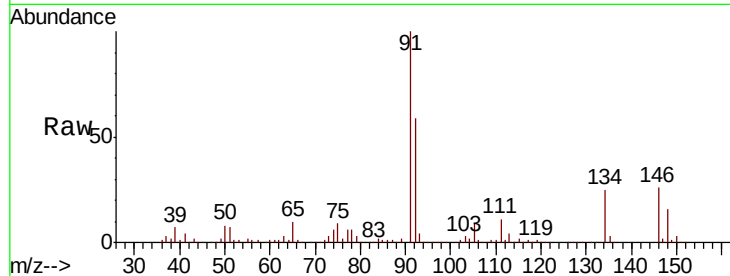




#89
n-Butylbenzene
Concen: 22.799 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

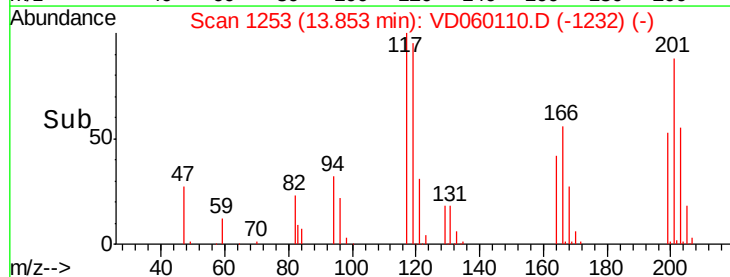
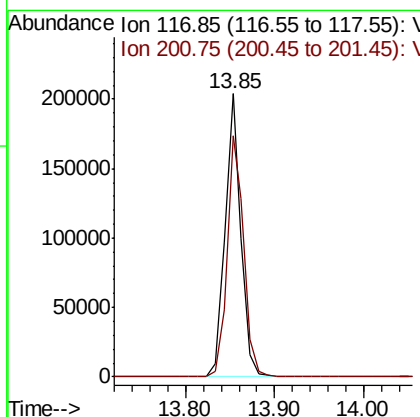
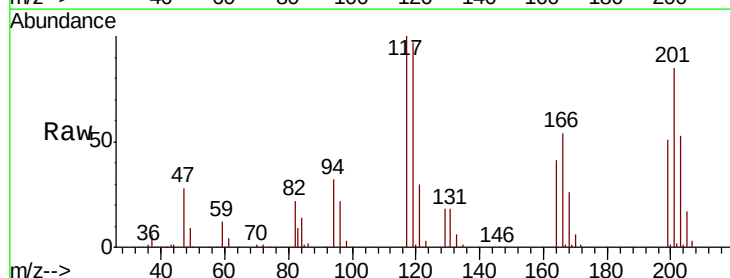
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

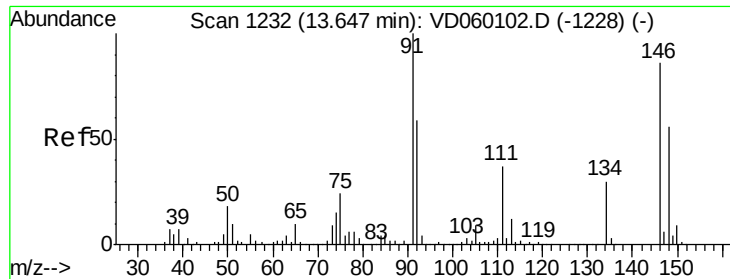
Tot Ion: 91 Resp: 1199362
Ion Ratio Lower Upper
91 100
92 59.0 30.1 90.3
134 25.4 11.6 34.7



#90
Hexachloroethane
Concen: 20.538 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion: 117 Resp: 256252
Ion Ratio Lower Upper
117 100
201 85.1 34.8 104.5

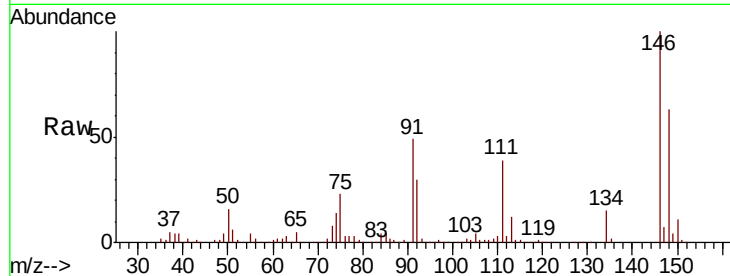




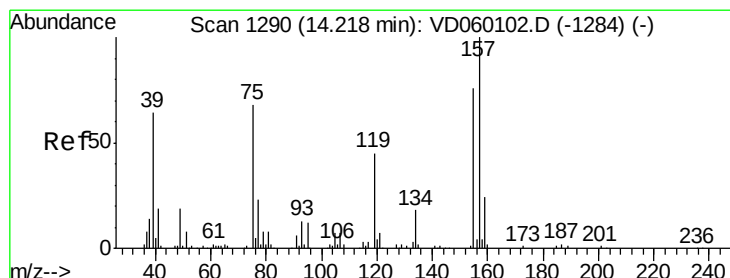
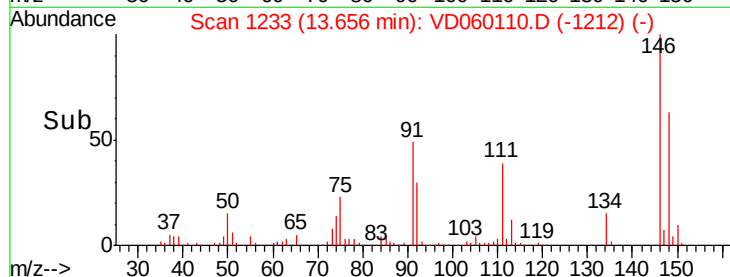
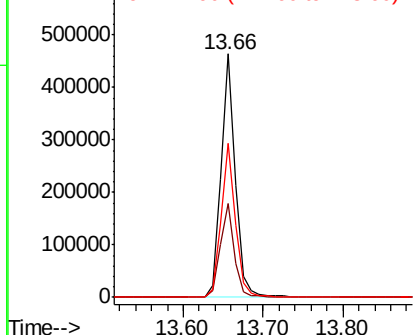
#91
 1,2-Dichlorobenzene
 Concen: 22.175 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion:146 Resp: 590864
 Ion Ratio Lower Upper
 146 100
 111 38.7 21.4 64.3
 148 63.4 32.2 96.6

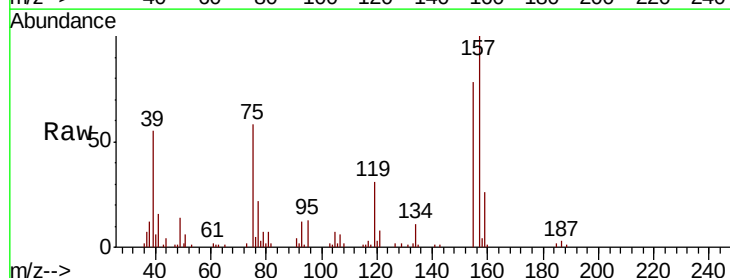


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

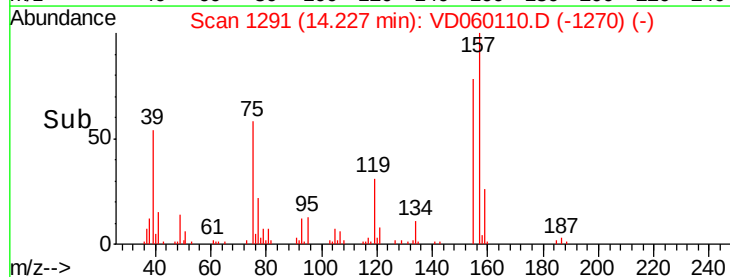
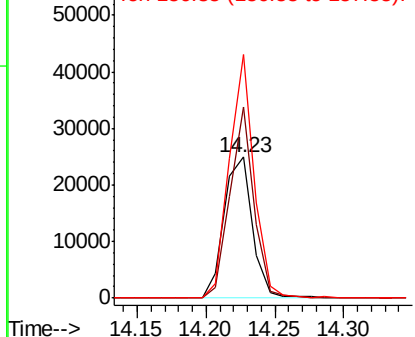


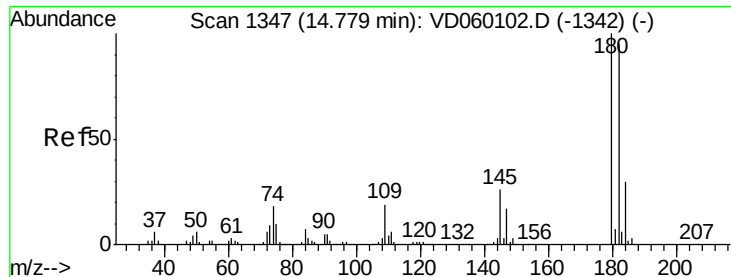
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.528 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion: 75 Resp: 35630
 Ion Ratio Lower Upper
 75 100
 155 135.8 55.9 167.7
 157 173.0 73.3 219.8



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

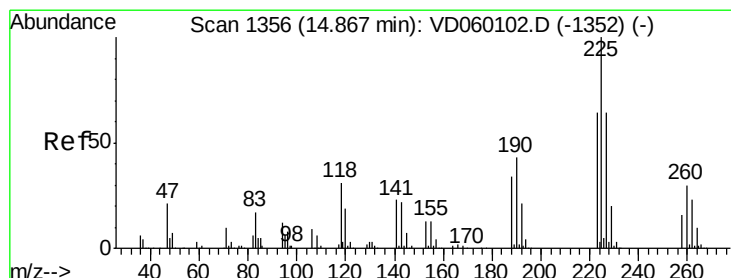
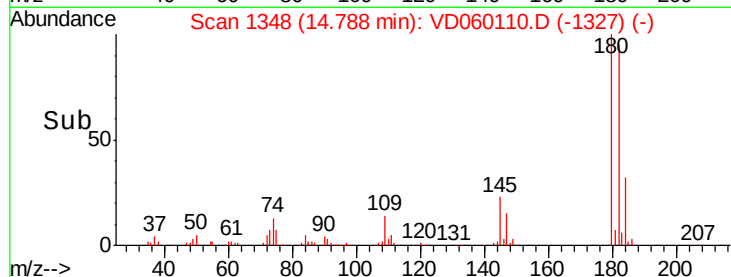
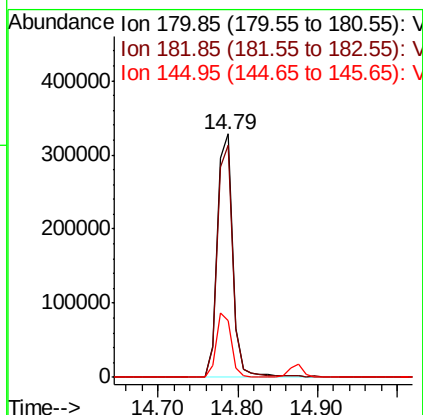
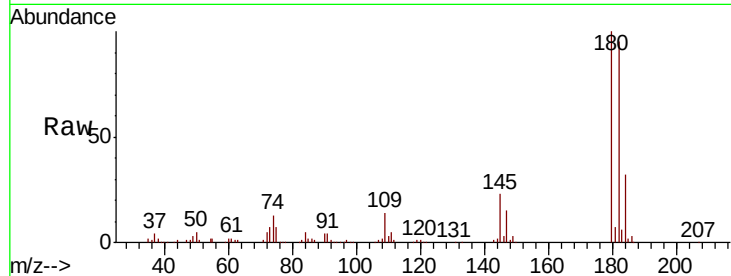




#93
 1,2,4-Trichlorobenzene
 Concen: 20.125 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

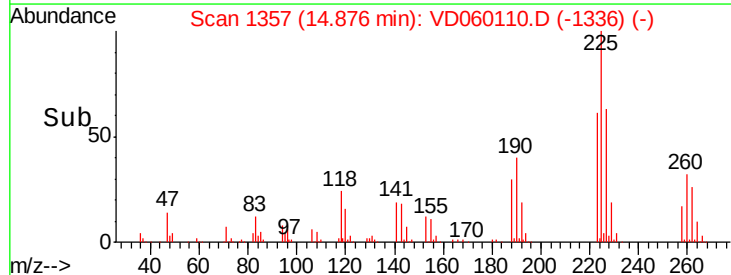
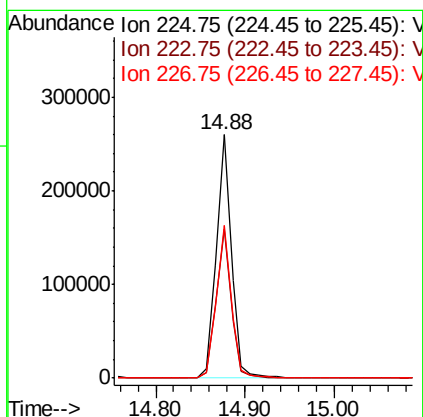
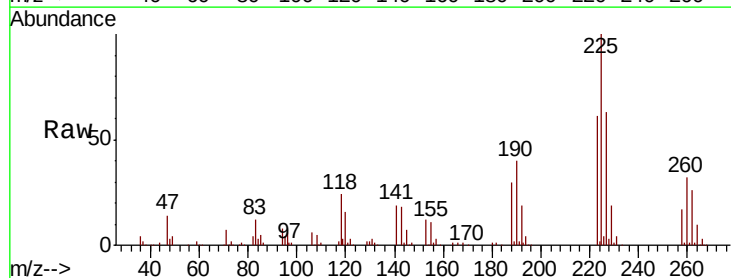
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

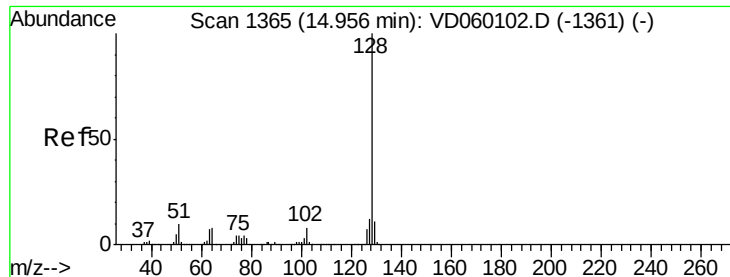
Tot Ion:180 Resp: 455159
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.3 141.8
 145 23.5 13.0 38.9



#94
 Hexachlorobutadiene
 Concen: 20.527 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060110.D
 Acq: 2 Oct 2018 12:23

Tgt Ion:225 Resp: 308601
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.8 95.4
 227 62.8 32.0 96.0

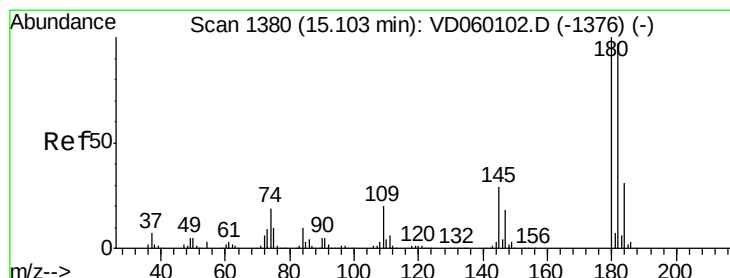
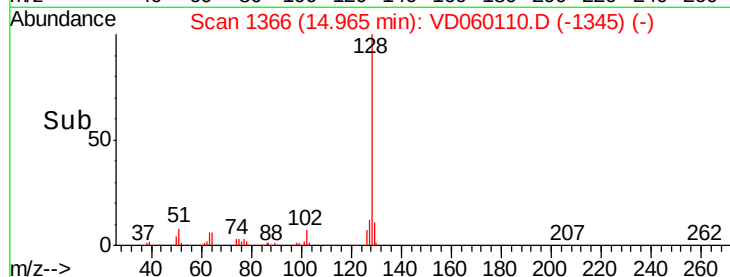
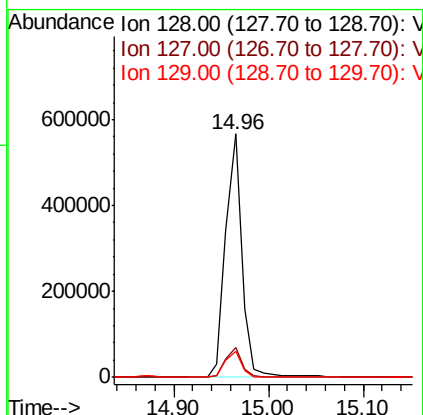
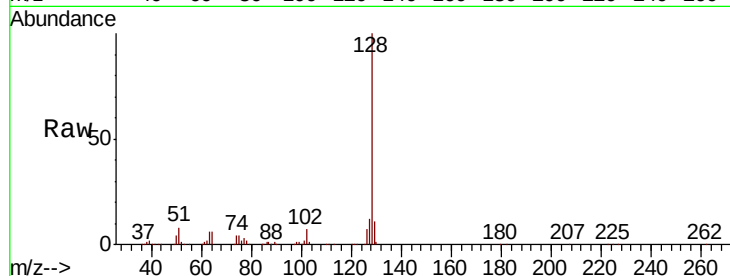




#95
Naphthalene
Concen: 20.238 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion:128 Resp: 678479
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.061 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060110.D
Acq: 2 Oct 2018 12:23

Tgt Ion:180 Resp: 394686
Ion Ratio Lower Upper
180 100
182 96.3 48.4 145.0
145 24.7 14.5 43.6

