

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
 Data File : VD060214.D
 Acq On : 26 Oct 2018 13:51
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Oct 26 23:41:36 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	6.38	168	1477980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	1992535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1632634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	905171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	536526	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	6.30	113	804802	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	9.44	98	2239162	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.43	95	844780	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	626703	45.077	ug/l	100
3) Chloromethane	1.75	50	586377	46.773	ug/l	100
4) Vinyl Chloride	1.84	62	489142	47.677	ug/l	99
5) Bromomethane	2.12	94	86833	67.405	ug/l	97
6) Chloroethane	2.24	64	156559	55.920	ug/l	98
7) Trichlorofluoromethane	2.49	101	616847	50.213	ug/l	99
8) Diethyl Ether	2.80	74	127899	50.631	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	401625	52.479	ug/l	99
10) Methyl Iodide	3.22	142	391418	48.229	ug/l	100
11) Tert butyl alcohol	3.95	59	178958	222.727	ug/l	97
12) 1,1-Dichloroethene	3.05	96	312102	51.766	ug/l	96
13) Acrolein	2.97	56	88305	178.283	ug/l	99
14) Allyl chloride	3.51	41	653707	52.205	ug/l	96
15) Acrylonitrile	4.06	53	796833	239.597	ug/l	98
16) Acetone	3.14	43	542469	266.848	ug/l	97
17) Carbon Disulfide	3.29	76	924428	45.595	ug/l	98
18) Methyl Acetate	3.53	43	243880	55.816	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1320410	49.811	ug/l	98
20) Methylene Chloride	3.69	84	790924	49.375	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	769152	49.396	ug/l	95
22) Diisopropyl ether	4.83	45	2930189	52.398	ug/l	96
23) Vinyl Acetate	4.78	43	7708513	245.230	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1335246	52.661	ug/l	100
25) 2-Butanone	5.60	43	1284714	252.964	ug/l	97
26) 2,2-Dichloropropane	5.56	77	1080670	56.222	ug/l	95
27) cis-1,2-Dichloroethene	5.57	96	849561	51.496	ug/l	93
28) Bromochloromethane	5.90	49	606350	49.211	ug/l	94
29) Tetrahydrofuran	5.93	42	670281	227.219	ug/l	98
30) Chloroform	6.08	83	1368448	53.355	ug/l	98
31) Cyclohexane	6.34	56	1156104	47.632	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	1134884	54.009	ug/l	99
36) 1,1-Dichloropropene	6.50	75	991821	52.090	ug/l	99
37) Ethyl Acetate	5.67	43	604957	47.867	ug/l	100
38) Carbon Tetrachloride	6.48	117	926488	53.612	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1124988	52.001	ug/l	98
40) Benzene	6.78	78	2507961	50.348	ug/l	100
41) Methacrylonitrile	5.92	41	695833	97.409	ug/l	98
42) 1,2-Dichloroethane	6.87	62	755238	52.883	ug/l	100
43) Isopropyl Acetate	8.33	43	794595	47.789	ug/l #	100
44) Trichloroethene	7.72	130	801630	51.987	ug/l	96
45) 1,2-Dichloropropane	8.09	63	685738	52.575	ug/l	98
46) Dibromomethane	8.19	93	437163	51.770	ug/l	92
47) Bromodichloromethane	8.48	83	989405	54.990	ug/l	100
48) Methyl methacrylate	8.23	41	482165	50.909	ug/l	98
49) 1,4-Dioxane	8.21	88	94114	1009.944	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	2653097	252.985	ug/l	98
52) Toluene	9.53	92	1673949	52.179	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	877854	53.921	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1096919	54.562	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	536555	51.160	ug/l	99
56) Ethyl methacrylate	10.01	69	593987	51.307	ug/l	96
57) 1,3-Dichloropropane	10.37	76	837676	52.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1604623	249.599	ug/l	100
59) 2-Hexanone	10.48	43	1915392	253.993	ug/l	100
60) Dibromochloromethane	10.62	129	687404	53.420	ug/l	98
61) 1,2-Dibromoethane	10.75	107	562939	50.517	ug/l	100
64) Tetrachloroethene	10.24	164	738116	51.618	ug/l	97
65) Chlorobenzene	11.30	112	1819957	51.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	626414	53.164	ug/l	97
67) Ethyl Benzene	11.42	91	2990028	52.251	ug/l	99
68) m/p-Xylenes	11.56	106	2276244	106.460	ug/l	100
69) o-Xylene	11.92	106	1114499	52.698	ug/l	93
70) Styrene	11.95	104	1844505	52.153	ug/l	99
71) Bromoform	12.11	173	495428	51.926	ug/l	98
73) Isopropylbenzene	12.27	105	3038945	50.890	ug/l	98
74) N-amyl acetate	12.13	43	1012798	46.303	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	611482	46.904	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	621416	47.671	ug/l	98
77) Bromobenzene	12.53	156	858014	49.445	ug/l	96
78) n-propylbenzene	12.63	91	3799111	51.236	ug/l	98
79) 2-Chlorotoluene	12.70	91	2120513	51.527	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2341685	50.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	186362	50.879	ug/l	96
82) 4-Chlorotoluene	12.81	91	2378455	51.098	ug/l	97
83) tert-Butylbenzene	13.05	119	2639427	49.766	ug/l	97
84) 1,2,4-Trimethylbenzene	13.08	105	2421622	49.715	ug/l	95
85) sec-Butylbenzene	13.21	105	3140240	50.077	ug/l	96
86) p-Isopropyltoluene	13.34	119	2667790	51.868	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1550329	51.279	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1516541	49.939	ug/l	98
89) n-Butylbenzene	13.65	91	2635308	52.510	ug/l	99
90) Hexachloroethane	13.85	117	662576	55.662	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	1282779	50.461	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	85459	49.095	ug/l	92

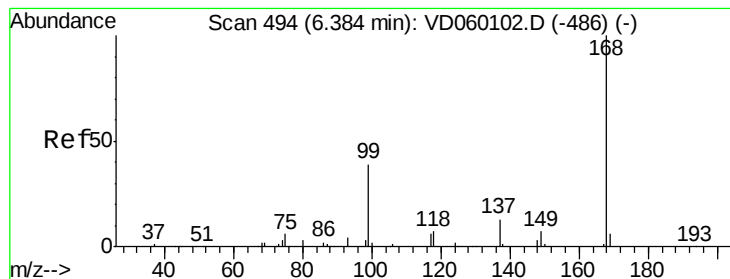
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
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QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1102927	51.115	ug/l	97
94) Hexachlorobutadiene	14.88	225	753682	52.548	ug/l	100
95) Naphthalene	14.96	128	1510804	47.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	926832	49.378	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

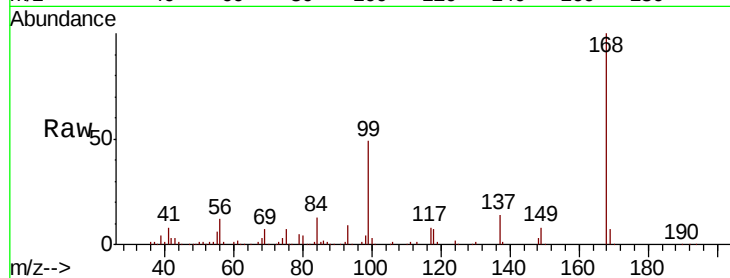
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Tgt Ion:168 Resp: 1477980

Ion Ratio Lower Upper

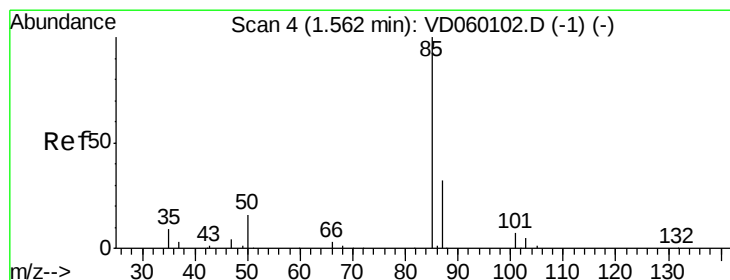
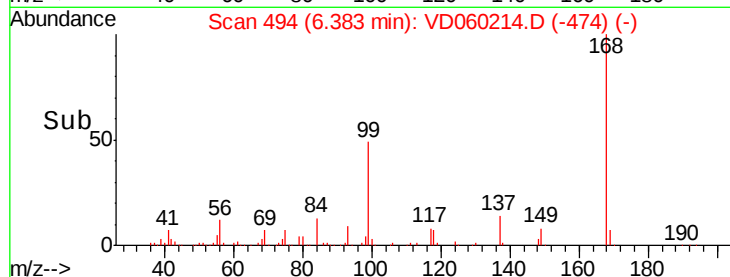
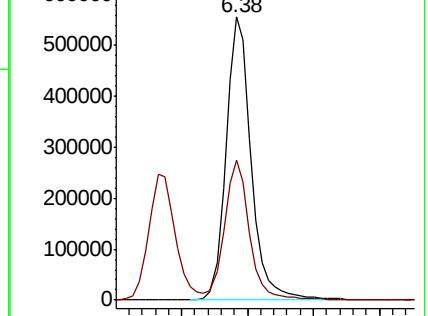
168 100

99 49.4 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: 45.077 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060214.D

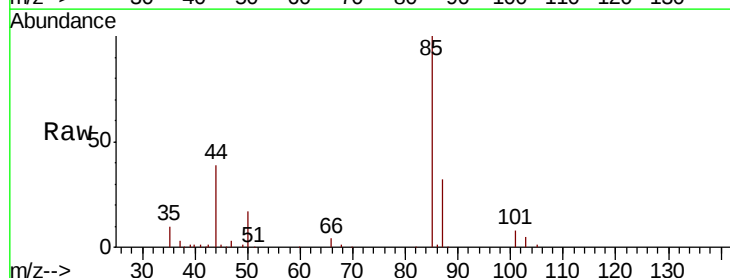
Acq: 26 Oct 2018 13:51

Tgt Ion: 85 Resp: 626703

Ion Ratio Lower Upper

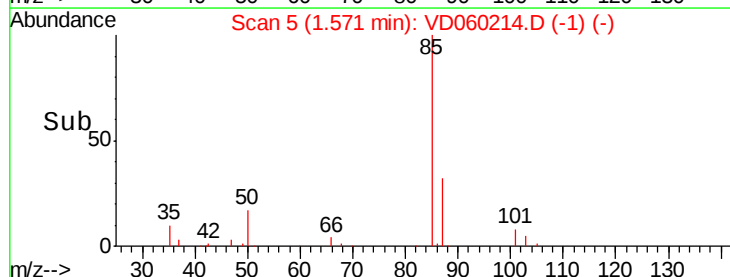
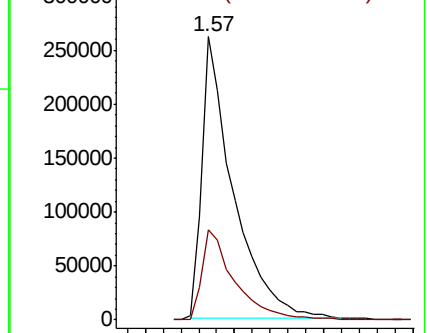
85 100

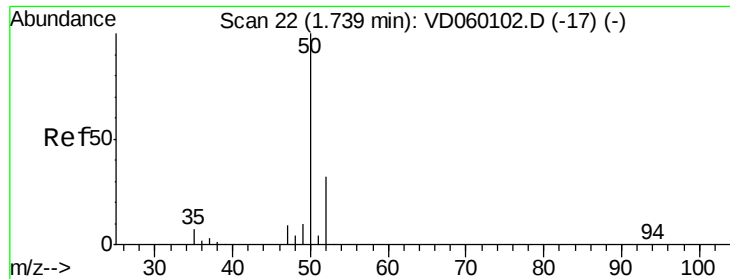
87 31.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

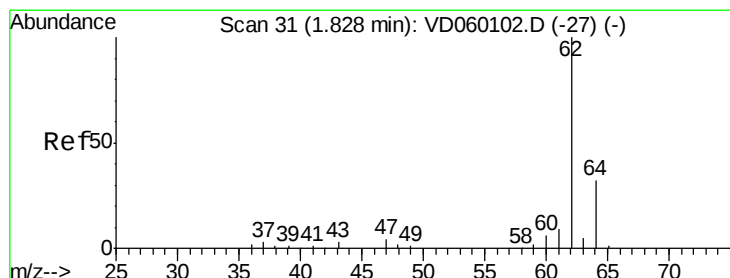
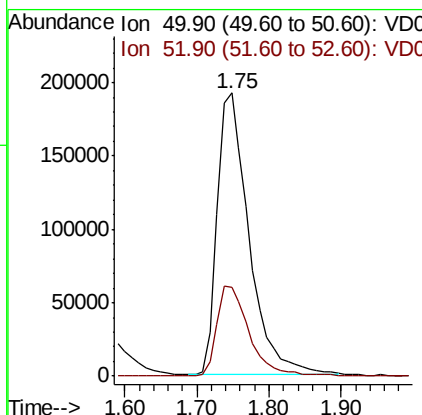
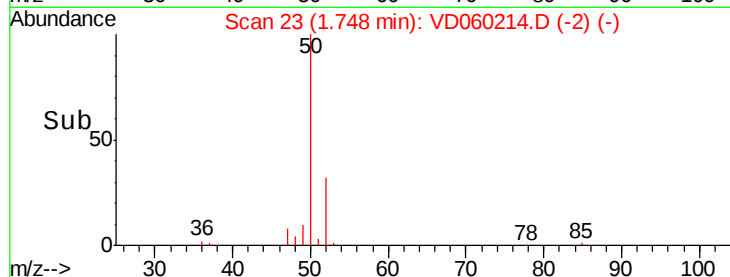
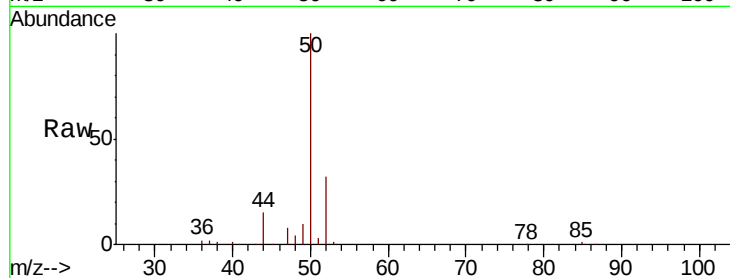




#3
Chloromethane
Concen: 46.773 ug/l
RT: 1.75 min Scan# 23
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

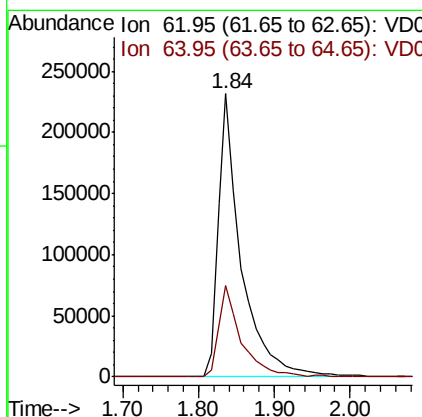
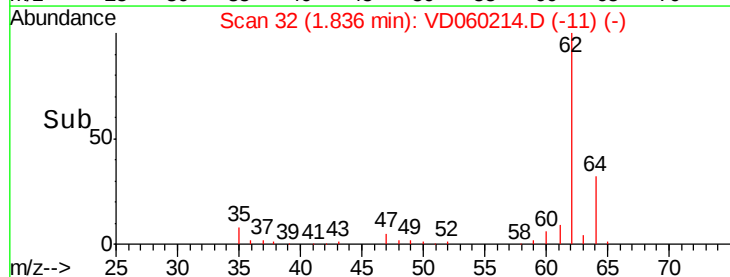
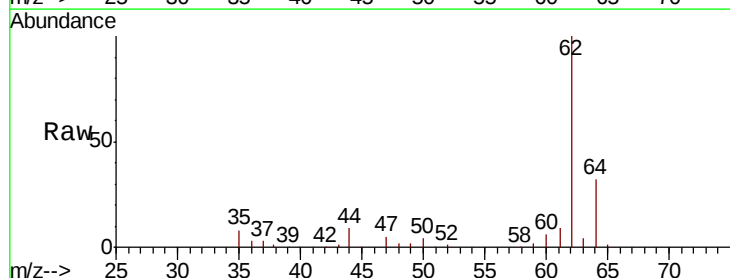
Instrument :
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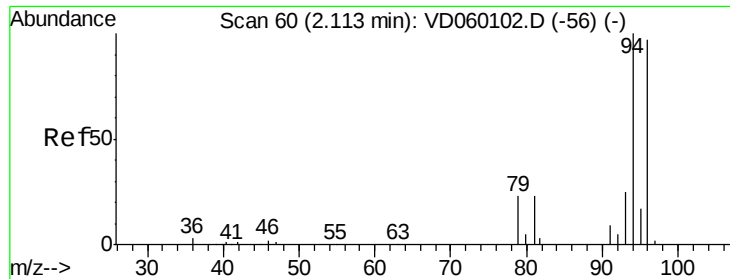
Tgt Ion: 50 Resp: 586377
Ion Ratio Lower Upper
50 100
52 31.6 25.3 37.9



#4
Vinyl Chloride
Concen: 47.677 ug/l
RT: 1.84 min Scan# 32
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 62 Resp: 489142
Ion Ratio Lower Upper
62 100
64 32.3 25.2 37.8

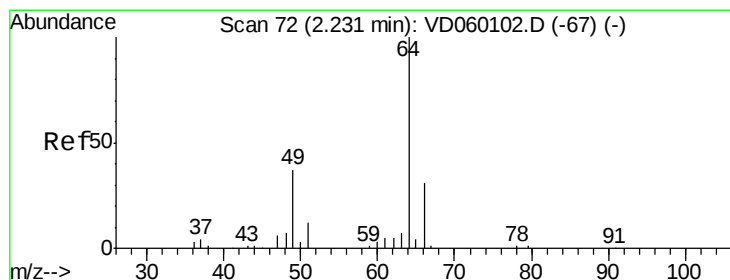
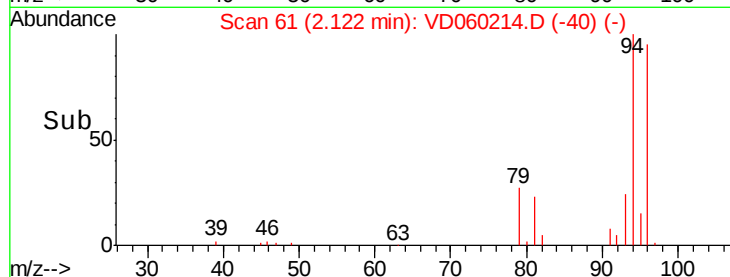
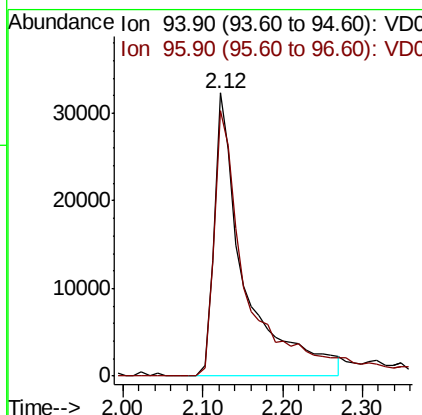
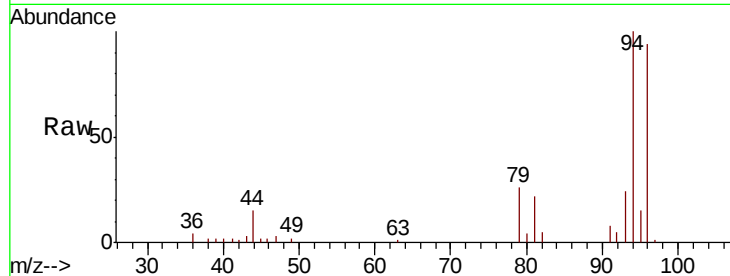




#5
Bromomethane
Concen: 67.405 ug/l
RT: 2.12 min Scan# 61
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

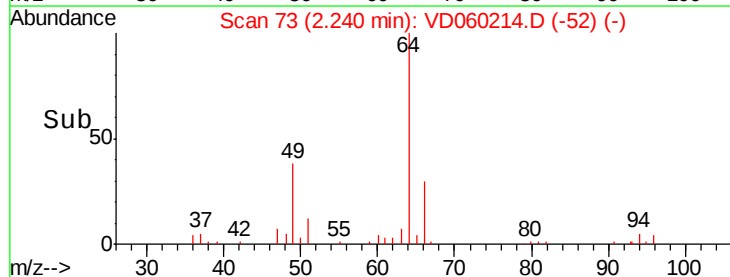
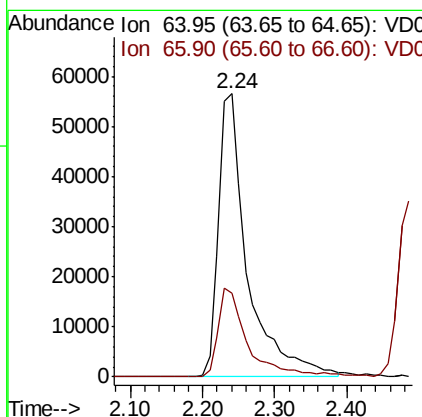
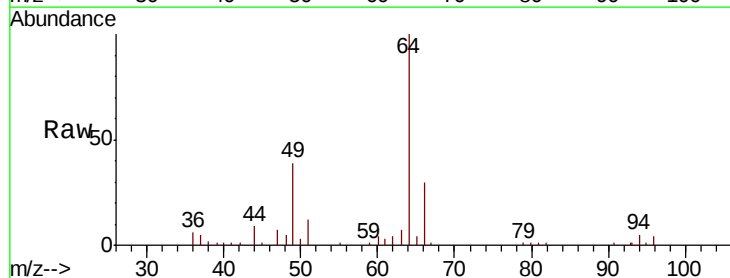
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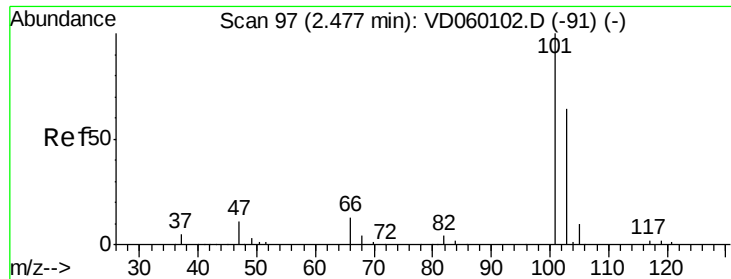
Tgt Ion: 94 Resp: 86833
Ion Ratio Lower Upper
94 100
96 93.7 77.4 116.2



#6
Chloroethane
Concen: 55.920 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 64 Resp: 156559
Ion Ratio Lower Upper
64 100
66 29.6 24.6 37.0





#7

Trichlorofluoromethane

Concen: 50.213 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

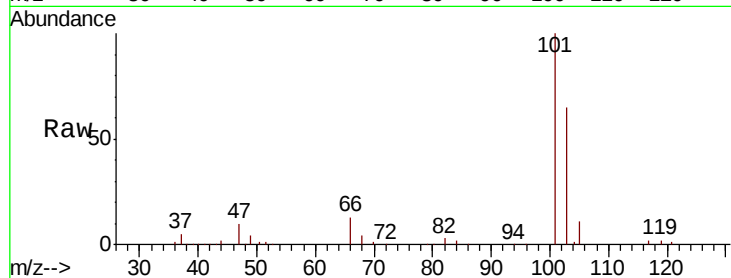
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Tgt Ion: 101 Resp: 616847

Ion Ratio Lower Upper

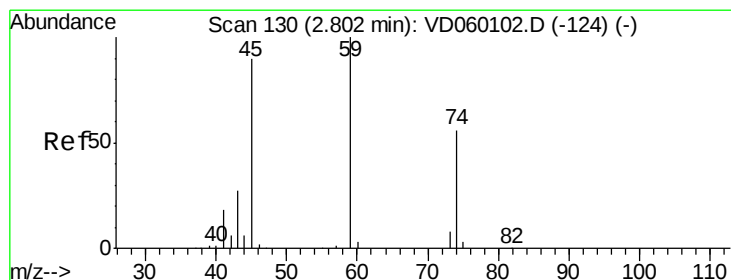
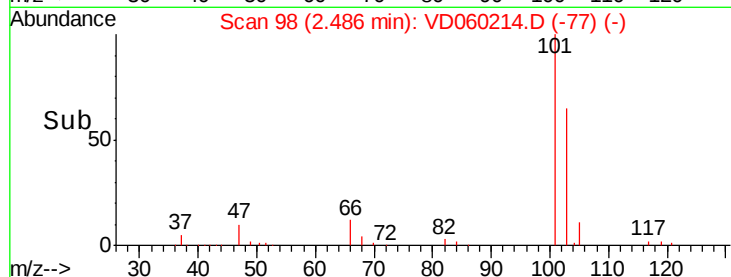
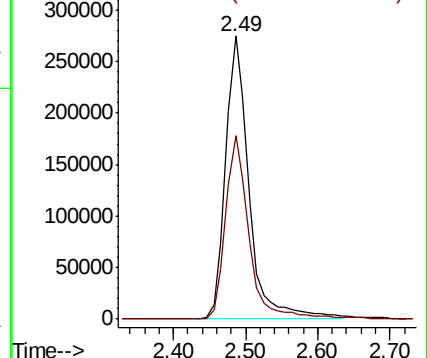
101 100

103 65.0 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: 50.631 ug/l

RT: 2.80 min Scan# 130

Delta R.T. -0.00 min

Lab File: VD060214.D

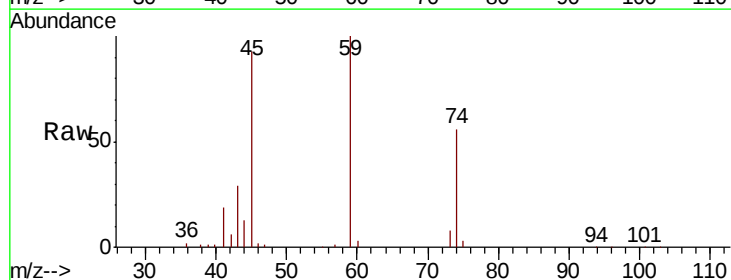
Acq: 26 Oct 2018 13:51

Tgt Ion: 74 Resp: 127899

Ion Ratio Lower Upper

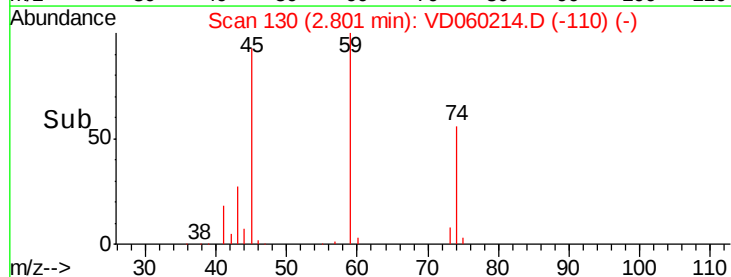
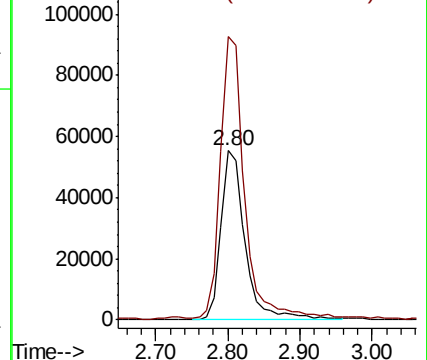
74 100

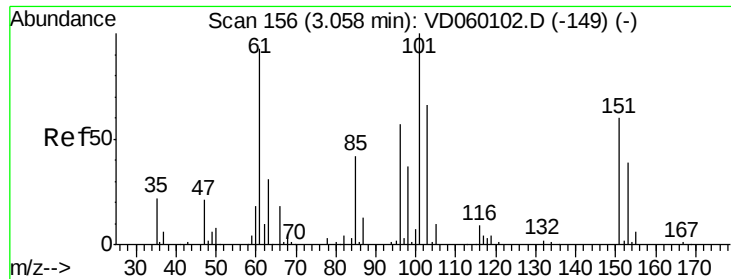
45 167.2 80.3 241.0



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: 52.479 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

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ClientSampleId :

BFB

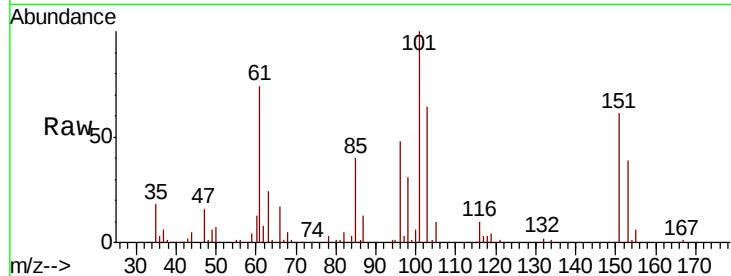
Tgt Ion:101 Resp: 401625

Ion Ratio Lower Upper

101 100

85 40.3 33.4 50.0

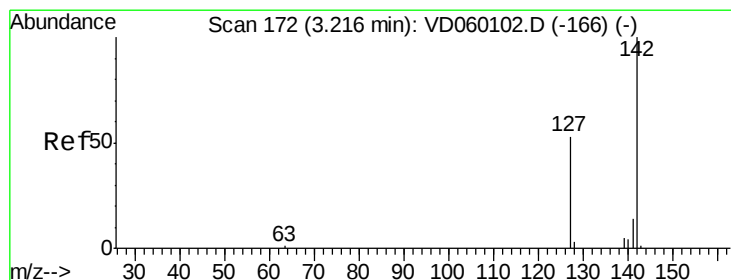
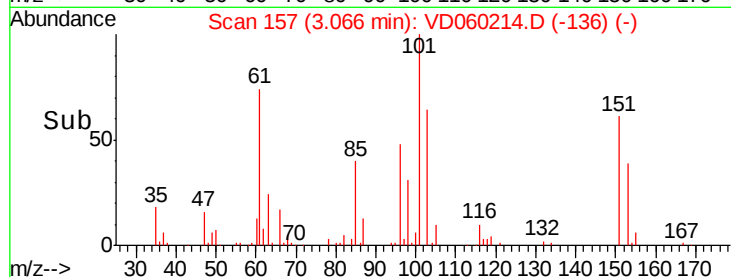
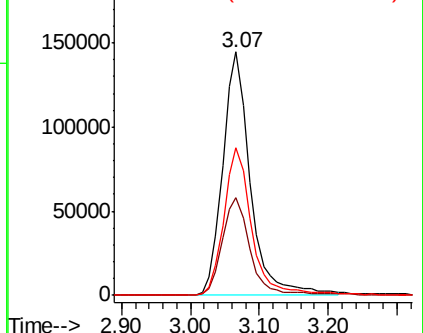
151 60.6 48.0 72.0



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: 48.229 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

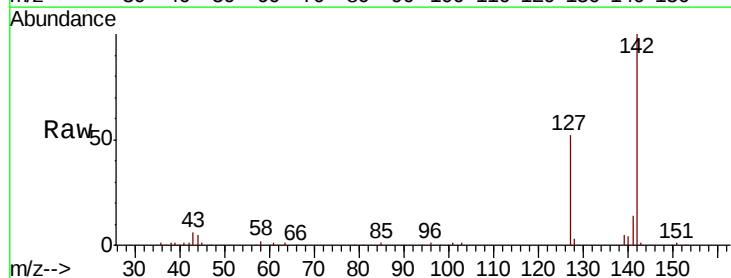
Tgt Ion:142 Resp: 391418

Ion Ratio Lower Upper

142 100

127 52.5 42.0 63.0

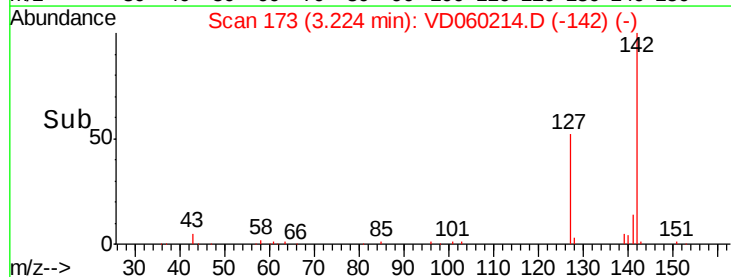
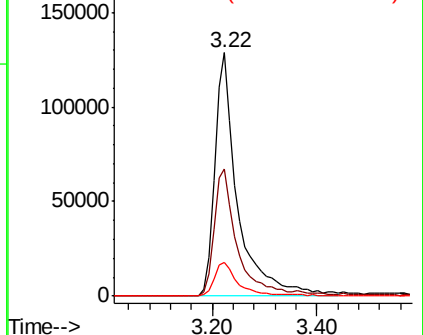
141 13.8 11.4 17.0

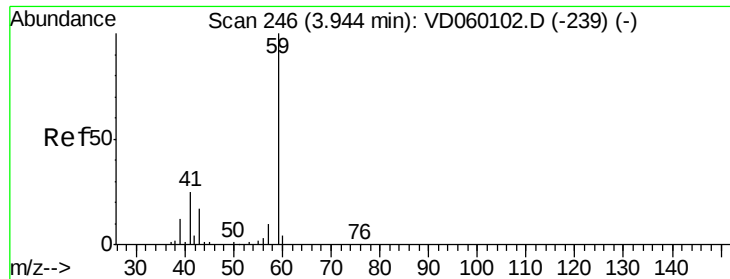


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

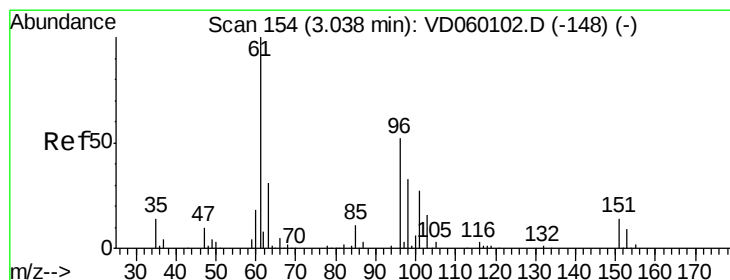
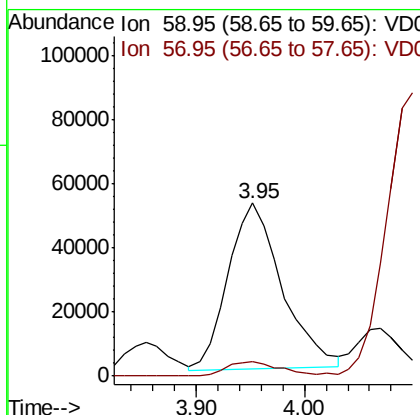
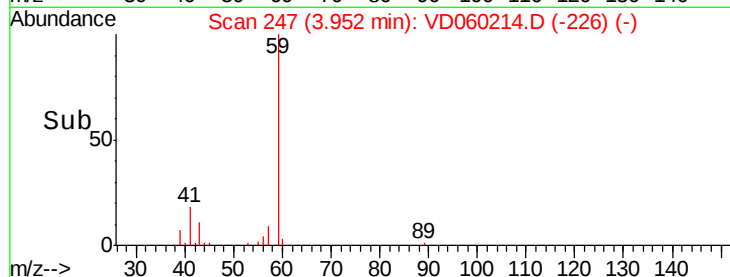
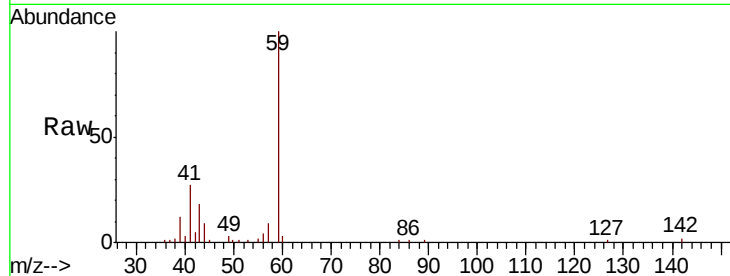




#11
Tert butyl alcohol
Concen: 222.727 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

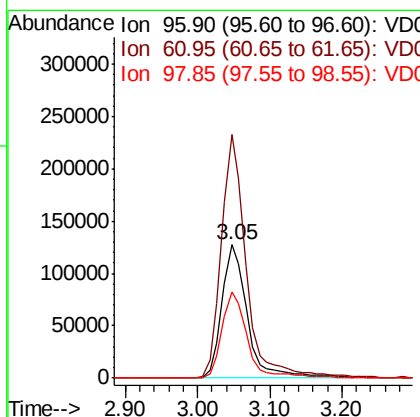
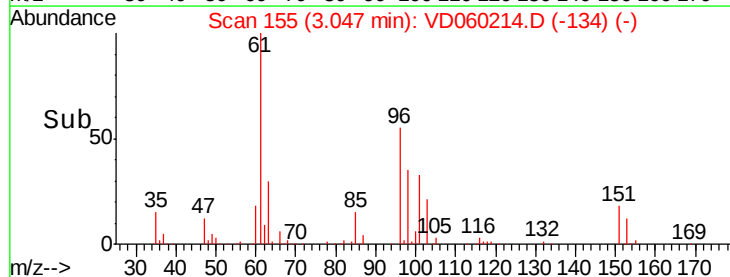
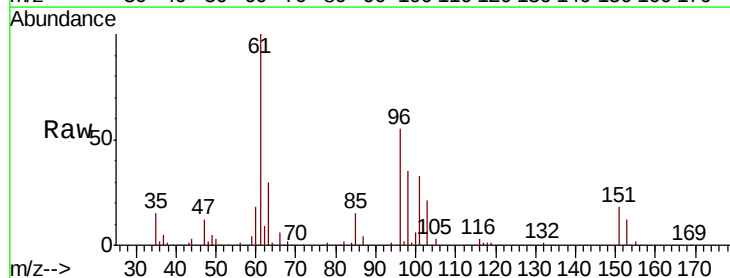
Instrument :
MSVOA_D
ClientSampleId :
BFB

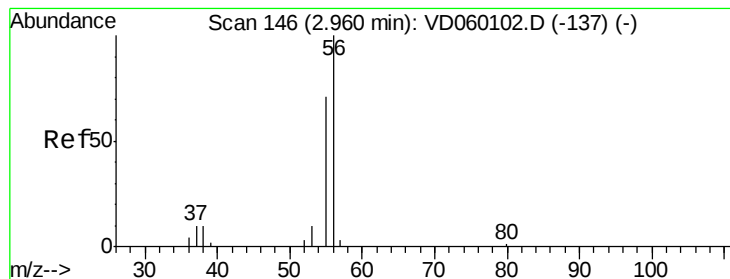
Tgt Ion: 59 Resp: 178958
Ion Ratio Lower Upper
59 100
57 8.6 7.8 11.6



#12
1,1-Dichloroethene
Concen: 51.766 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 96 Resp: 312102
Ion Ratio Lower Upper
96 100
61 183.1 153.0 229.4
98 64.9 51.1 76.7





#13

Acrolein

Concen: 178.283 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

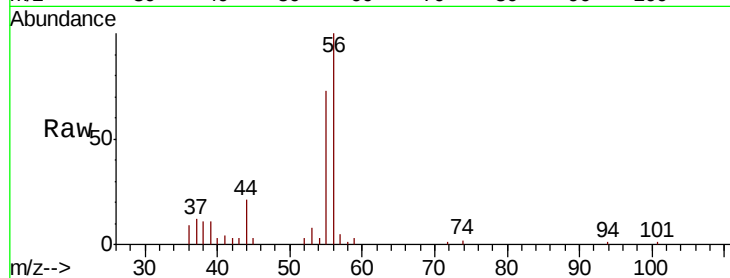
BFB

Tgt Ion: 56 Resp: 88305

Ion Ratio Lower Upper

56 100

55 72.7 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

30000

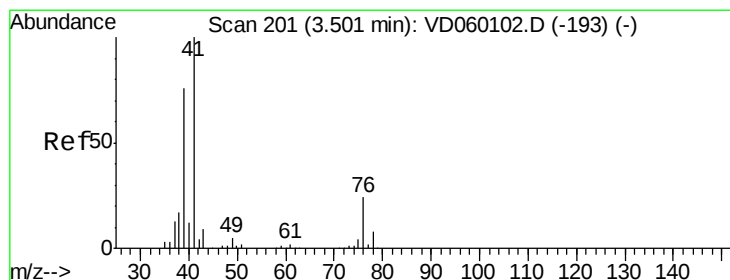
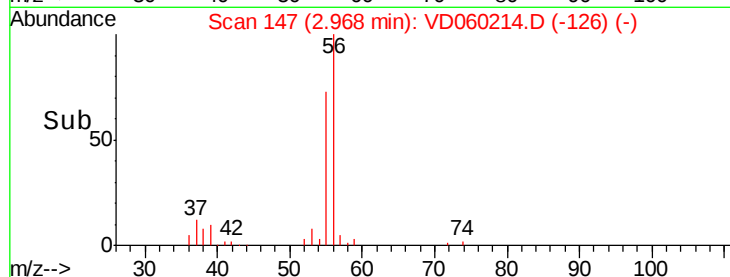
20000

10000

0

Time-->

2.80 2.90 3.00 3.10



#14

Allyl chloride

Concen: 52.205 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

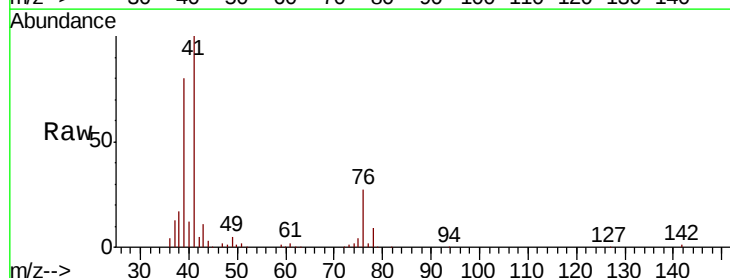
Tgt Ion: 41 Resp: 653707

Ion Ratio Lower Upper

41 100

39 79.5 60.6 90.8

76 27.0 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

3.51

300000

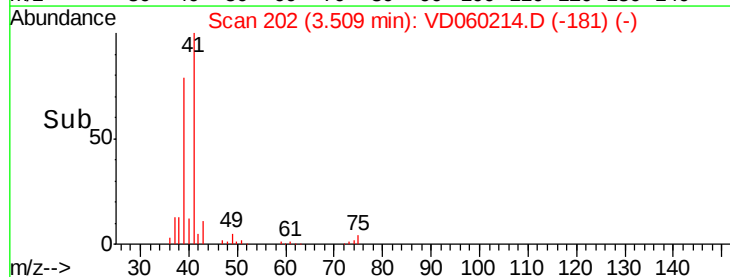
200000

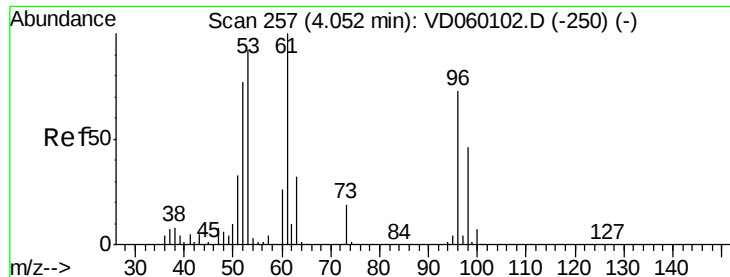
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 239.597 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

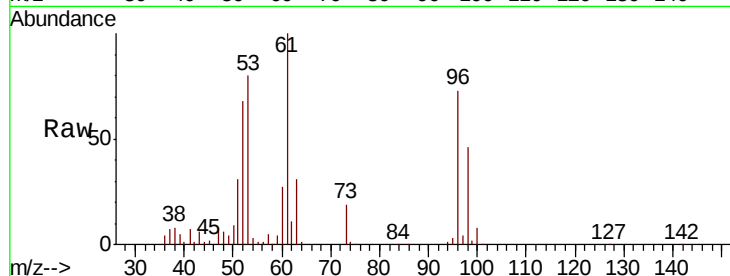
Tgt Ion: 53 Resp: 796833

Ion Ratio Lower Upper

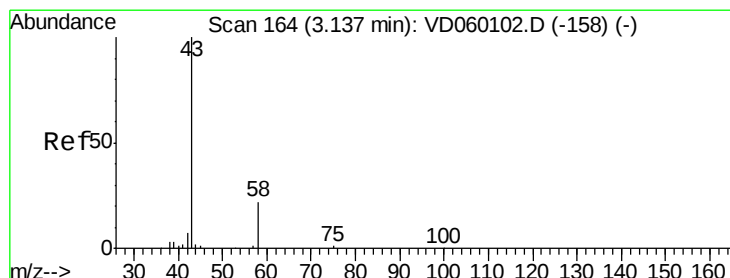
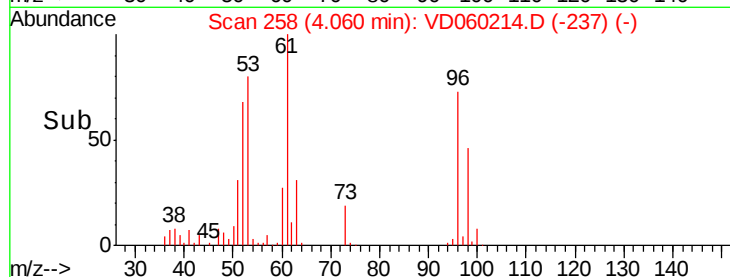
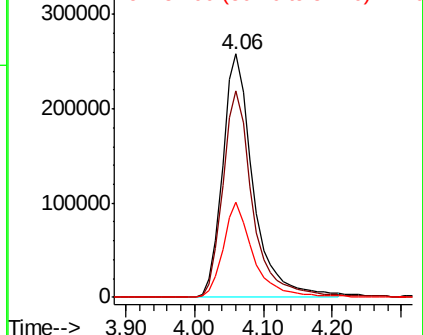
53 100

52 84.7 67.5 101.3

51 39.1 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: 266.848 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060214.D

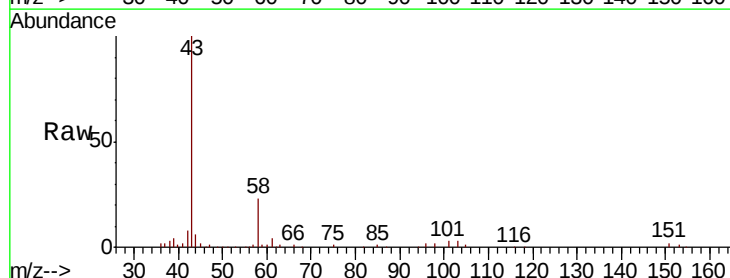
Acq: 26 Oct 2018 13:51

Tgt Ion: 43 Resp: 542469

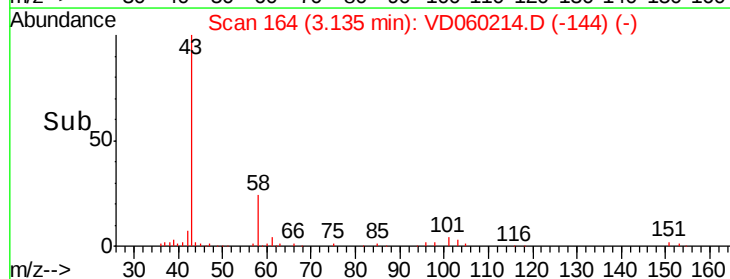
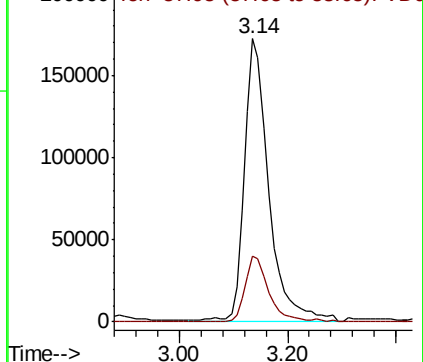
Ion Ratio Lower Upper

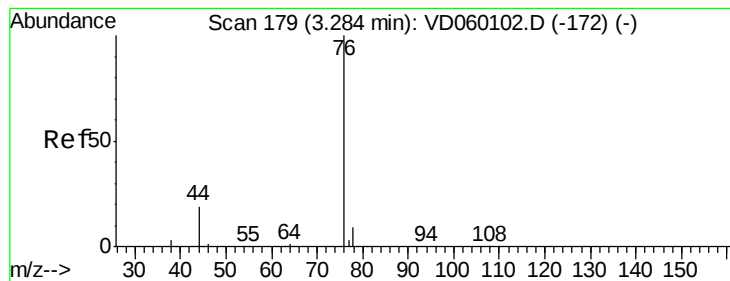
43 100

58 23.4 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: 45.595 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

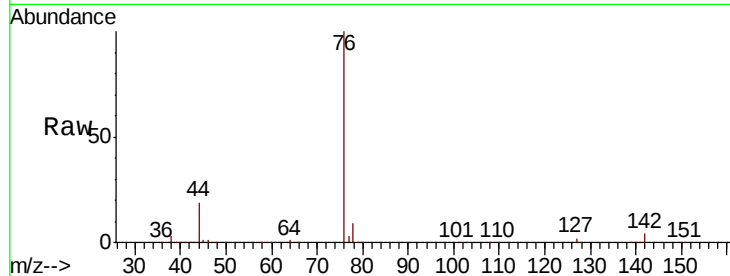
BFB

Tgt Ion: 76 Resp: 924428

Ion Ratio Lower Upper

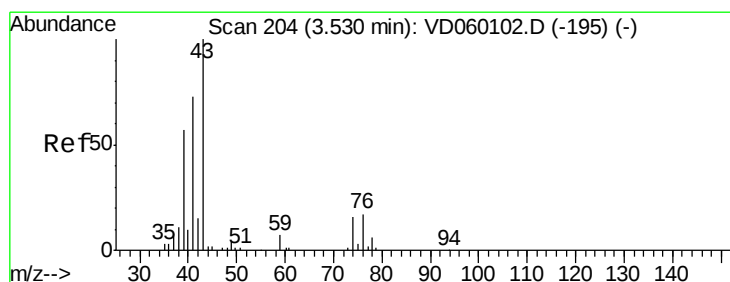
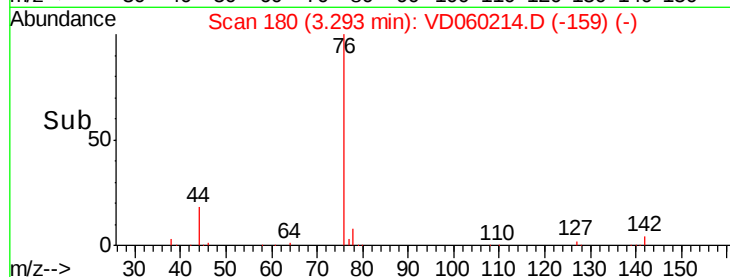
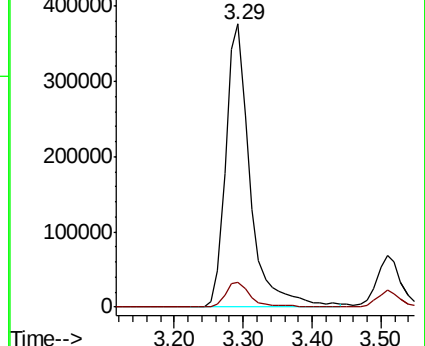
76 100

78 8.7 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: 55.816 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.00 min

Lab File: VD060214.D

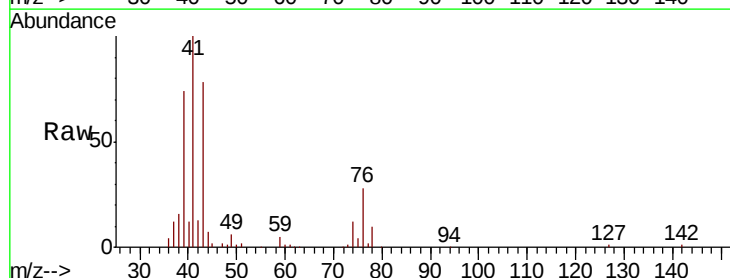
Acq: 26 Oct 2018 13:51

Tgt Ion: 43 Resp: 243880

Ion Ratio Lower Upper

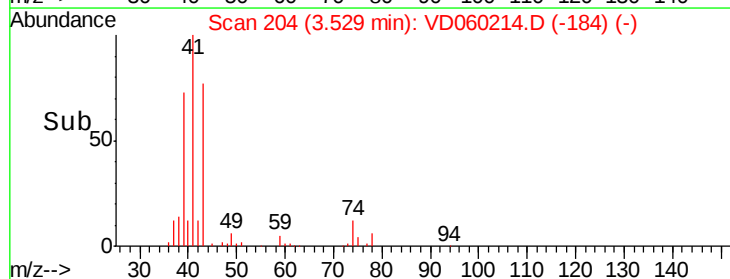
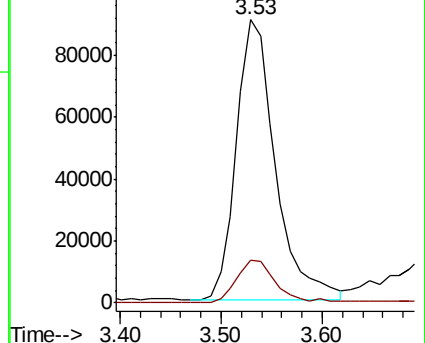
43 100

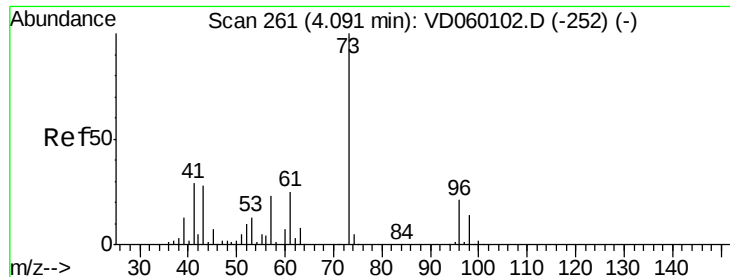
74 15.1 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

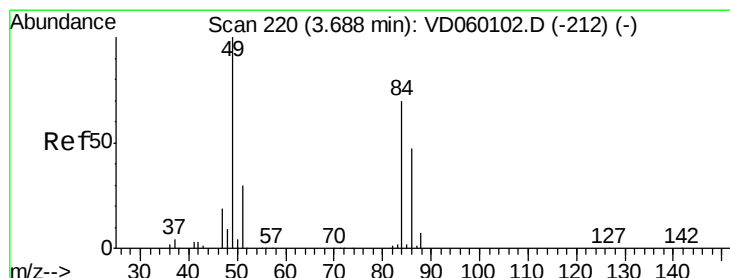
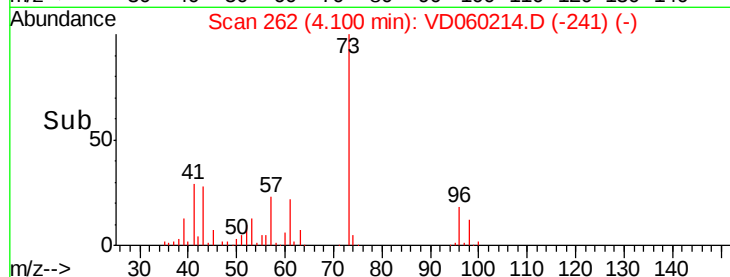
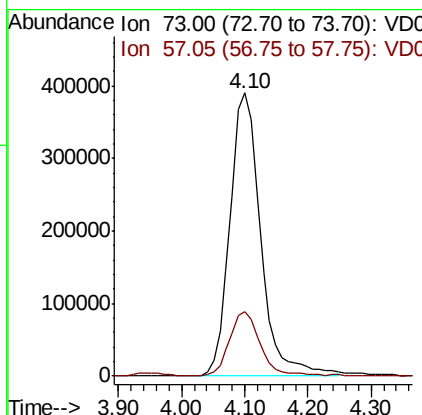
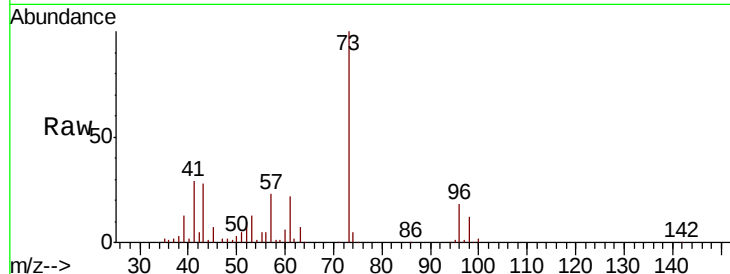




#19
Methyl tert-butyl Ether
Concen: 49.811 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

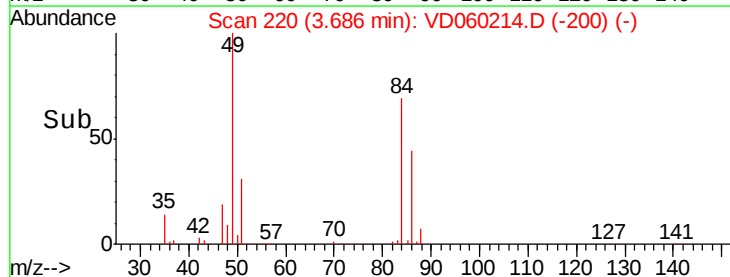
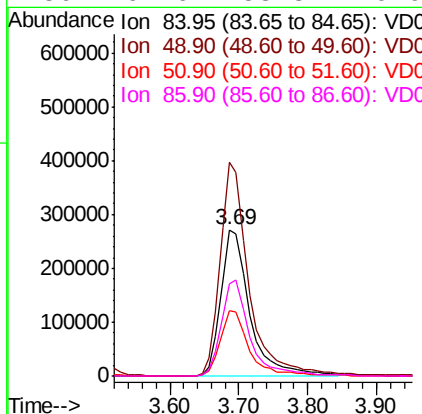
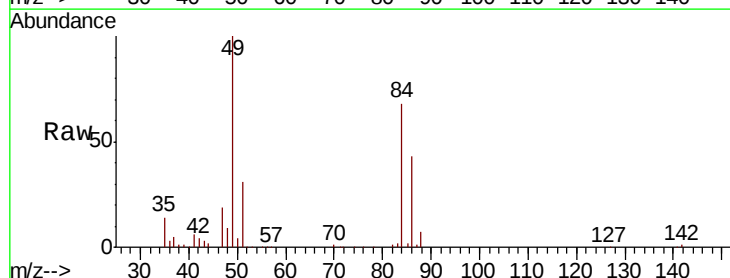
Instrument :
MSVOA_D
ClientSampled :
BFB

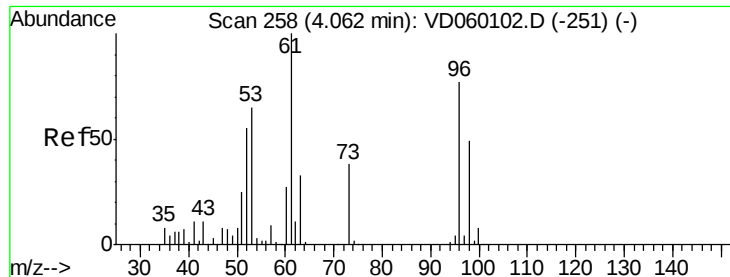
Tgt Ion: 73 Resp: 1320410
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1



#20
Methylene Chloride
Concen: 49.375 ug/l
RT: 3.69 min Scan# 220
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 84 Resp: 790924
Ion Ratio Lower Upper
84 100
49 146.0 114.6 172.0
51 44.7 33.8 50.8
86 62.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 49.396 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

BFB

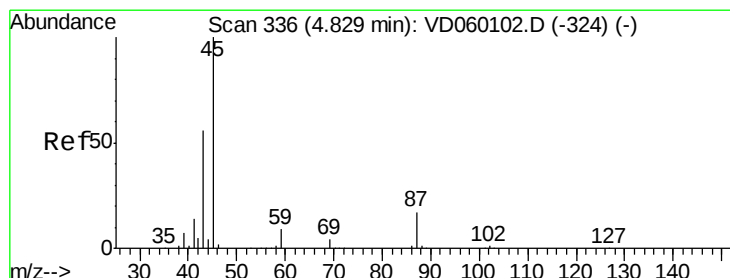
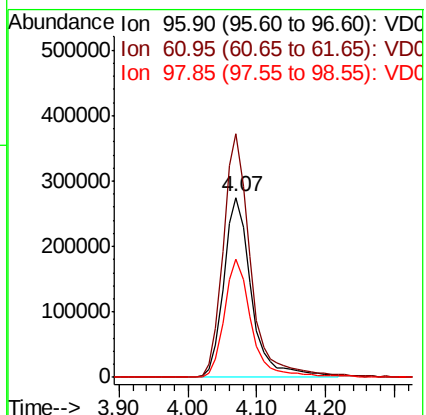
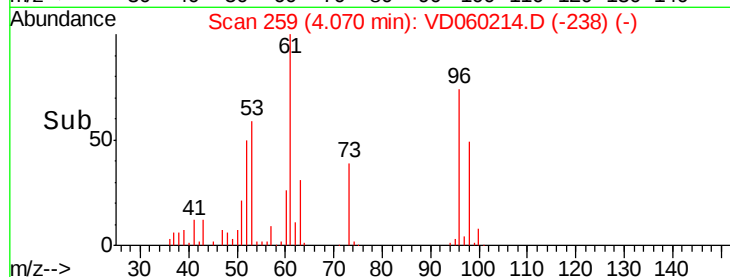
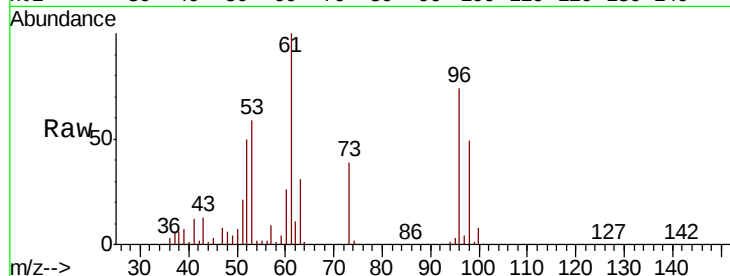
Tgt Ion: 96 Resp: 769152

Ion Ratio Lower Upper

96 100

61 135.3 103.3 154.9

98 65.7 50.4 75.6



#22

Diisopropyl ether

Concen: 52.398 ug/l

RT: 4.83 min Scan# 336

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion: 45 Resp: 2930189

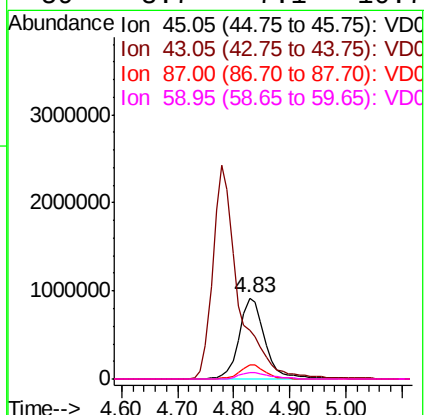
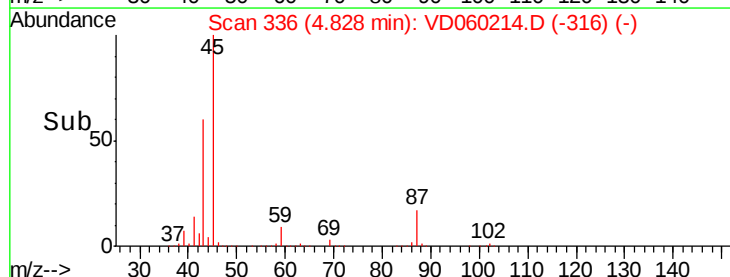
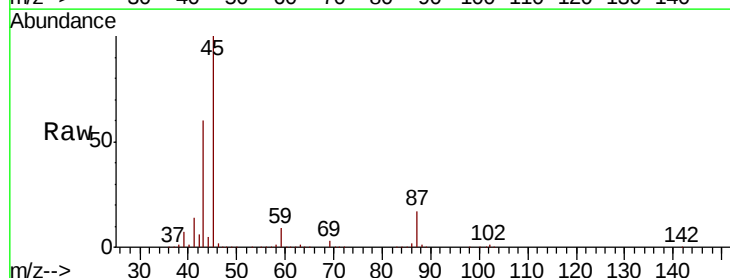
Ion Ratio Lower Upper

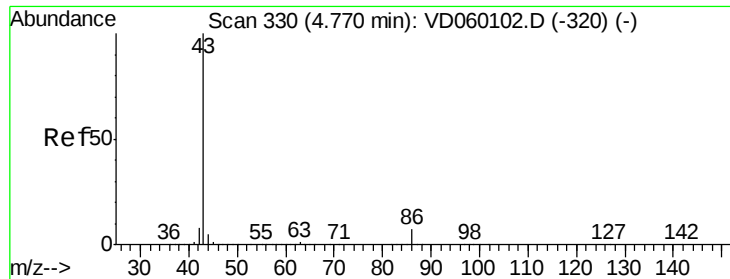
45 100

43 59.6 44.8 67.2

87 17.1 13.9 20.9

59 8.7 7.1 10.7

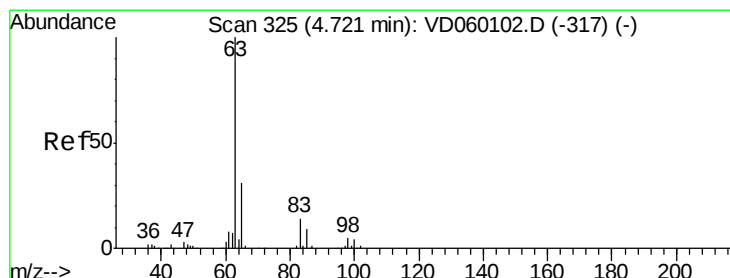
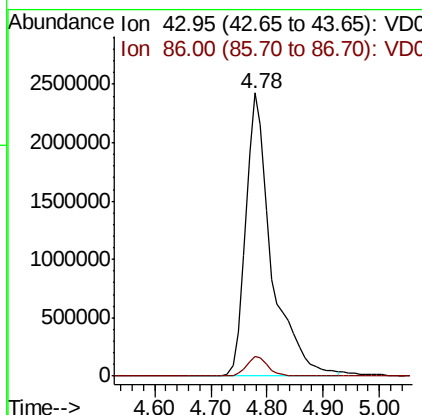
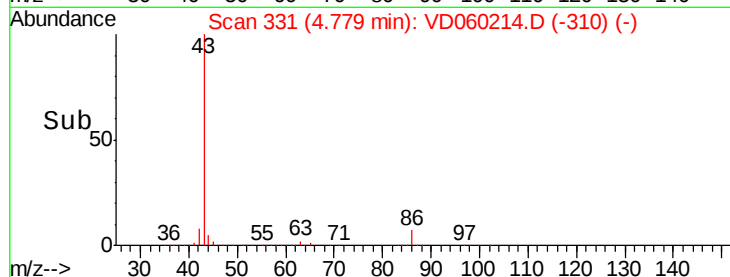
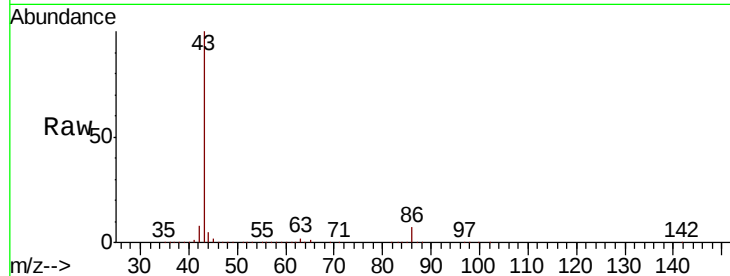




#23
 Vinyl Acetate
 Concen: 245.230 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

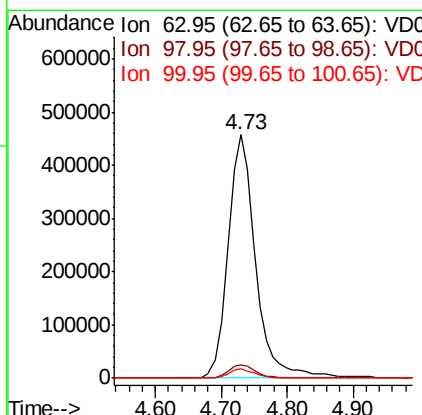
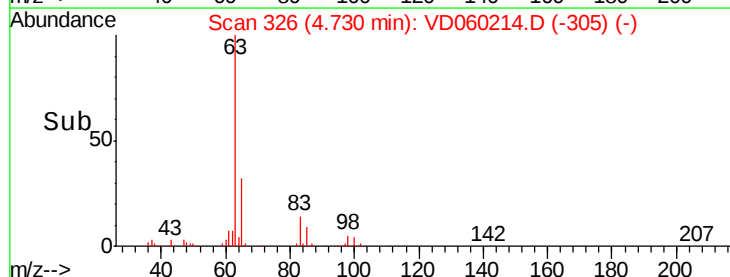
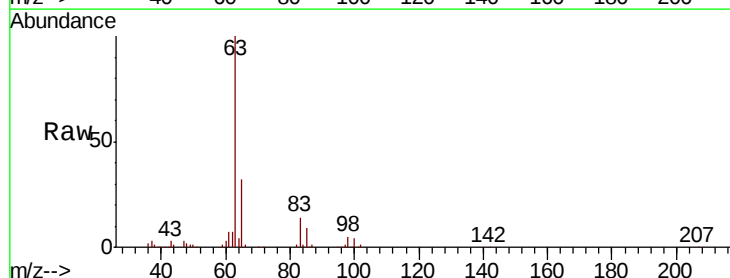
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

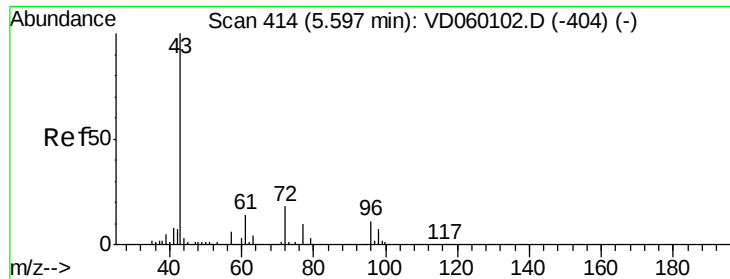
Tgt Ion: 43 Resp: 7708513
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 52.661 ug/l
 RT: 4.73 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 63 Resp: 1335246
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.8 8.3
 100 3.6 1.8 5.3





#25

2-Butanone

Concen: 252.964 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

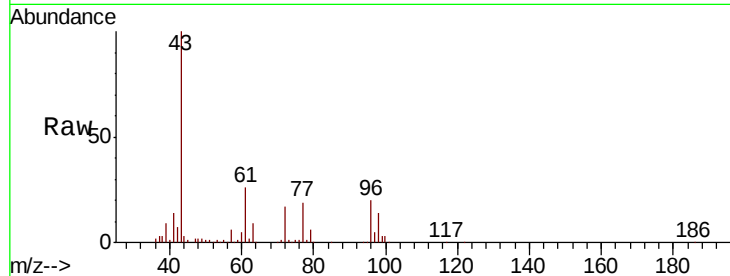
BFB

Tgt Ion: 43 Resp: 1284714

Ion Ratio Lower Upper

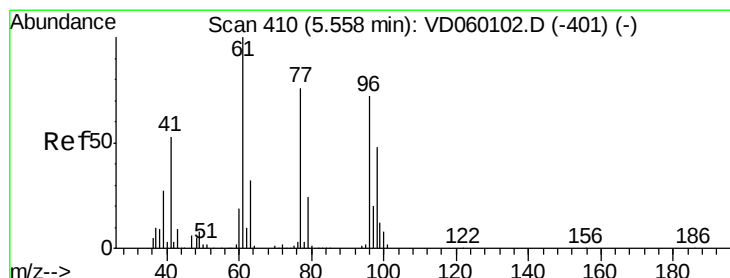
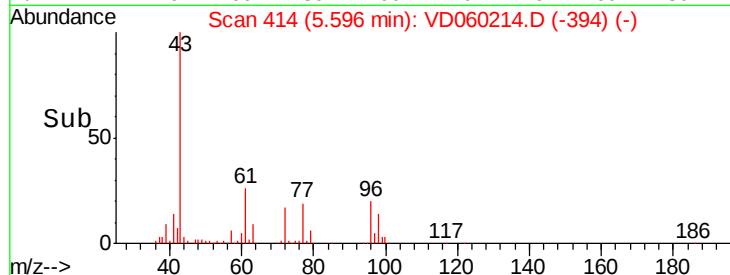
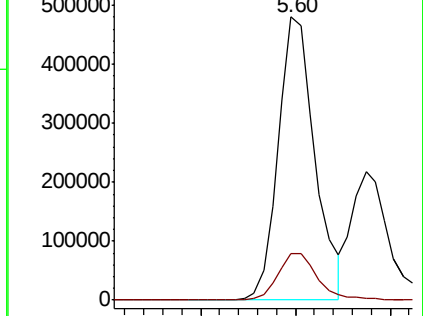
43 100

72 16.6 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: 56.222 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.00 min

Lab File: VD060214.D

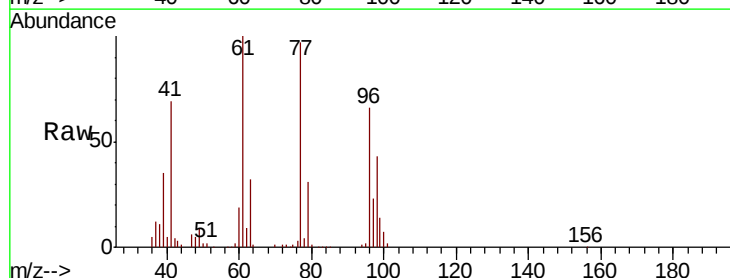
Acq: 26 Oct 2018 13:51

Tgt Ion: 77 Resp: 1080670

Ion Ratio Lower Upper

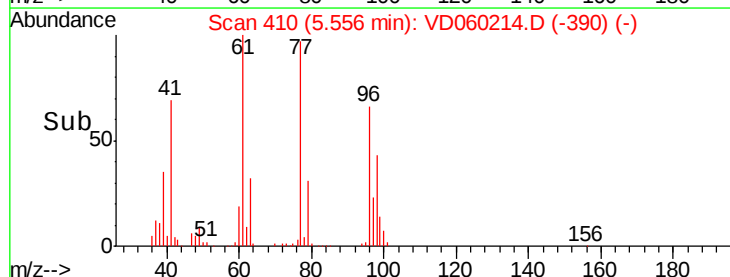
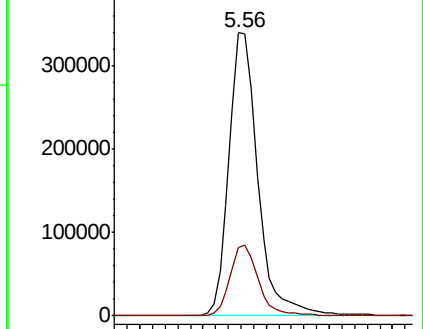
77 100

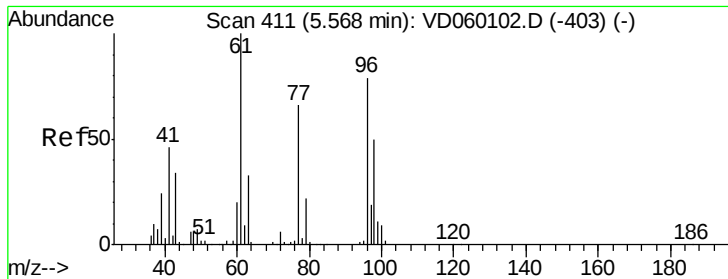
97 24.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



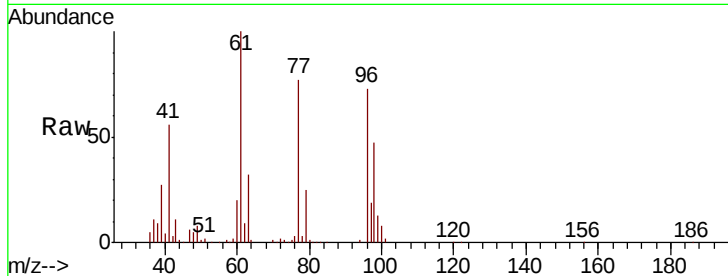


#27

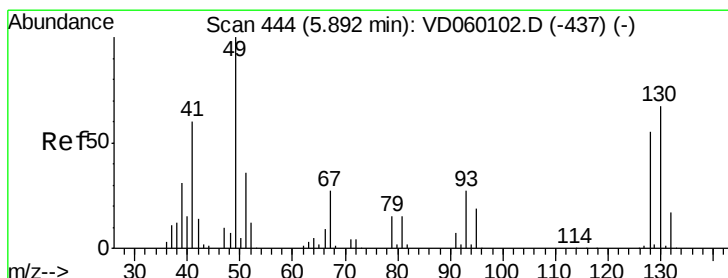
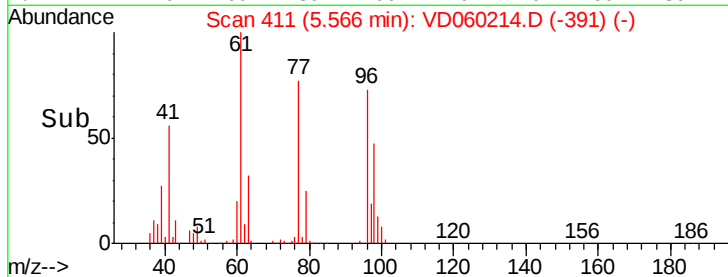
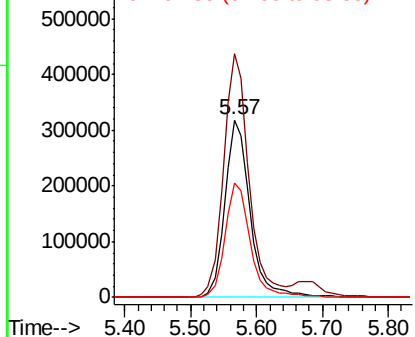
cis-1,2-Dichloroethene
 Concen: 51.496 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleID :
 BFB

Tgt Ion: 96 Resp: 849561
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 251.8
 98 64.6 0.0 125.2



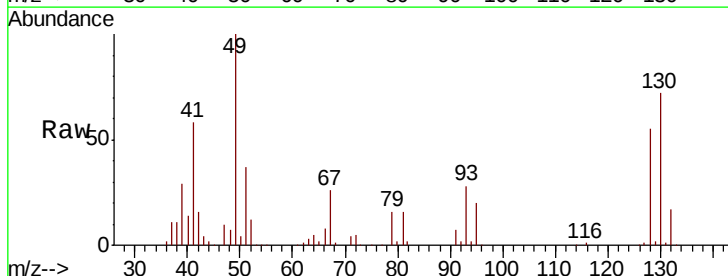
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



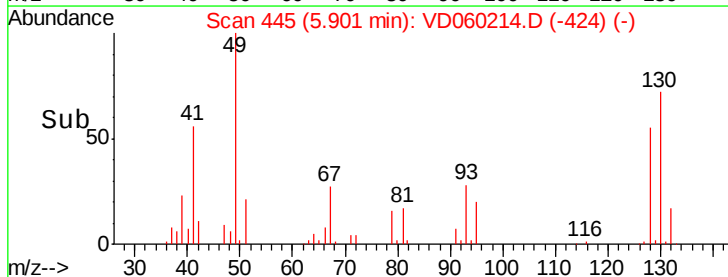
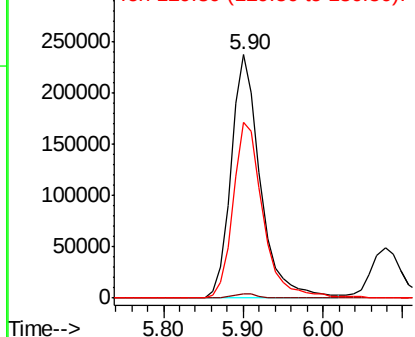
#28

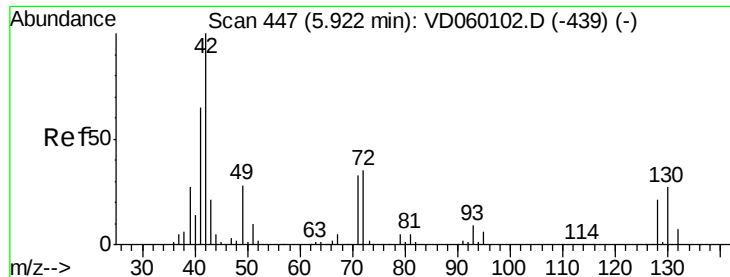
Bromochloromethane
 Concen: 49.211 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 49 Resp: 606350
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.6
 130 72.3 53.9 80.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

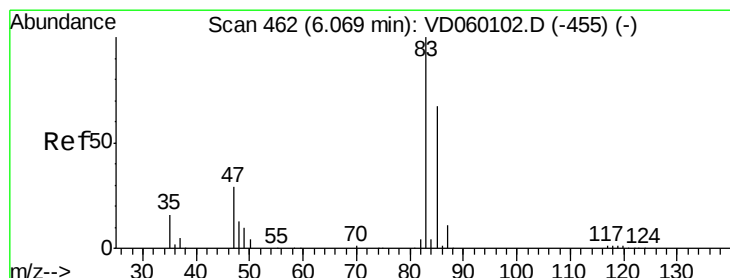
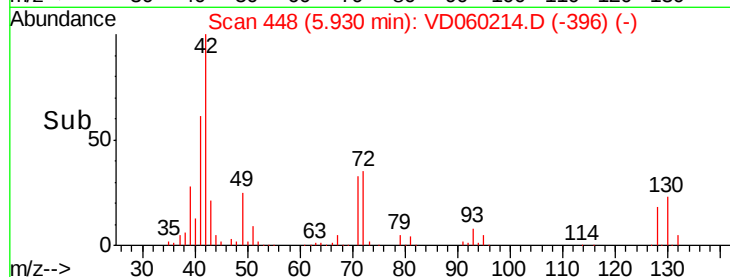
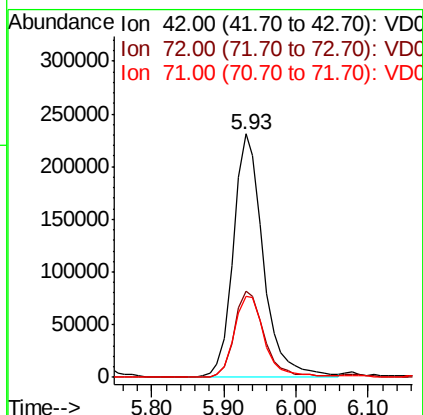
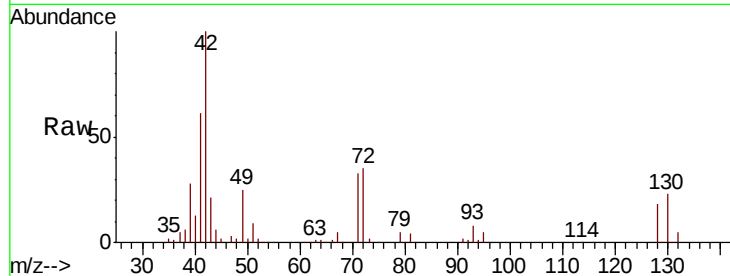




#29
Tetrahydrofuran
Concen: 227.219 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

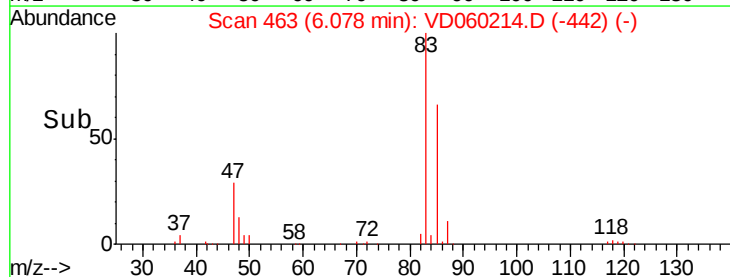
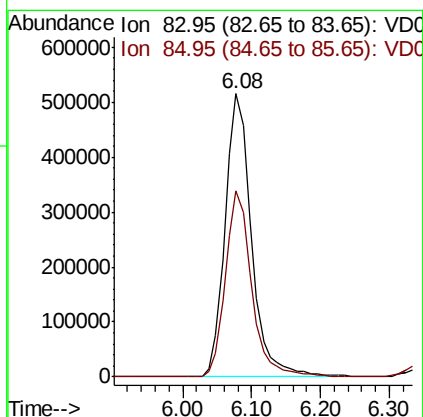
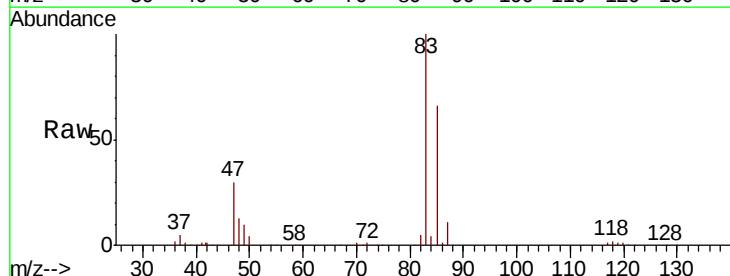
Instrument :
MSVOA_D
ClientSampleId :
BFB

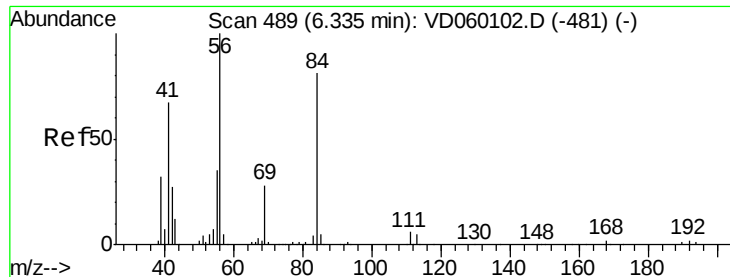
Tgt Ion: 42 Resp: 670281
Ion Ratio Lower Upper
42 100
72 35.0 26.9 40.3
71 33.8 26.7 40.1



#30
Chloroform
Concen: 53.355 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 83 Resp: 1368448
Ion Ratio Lower Upper
83 100
85 65.8 53.8 80.8

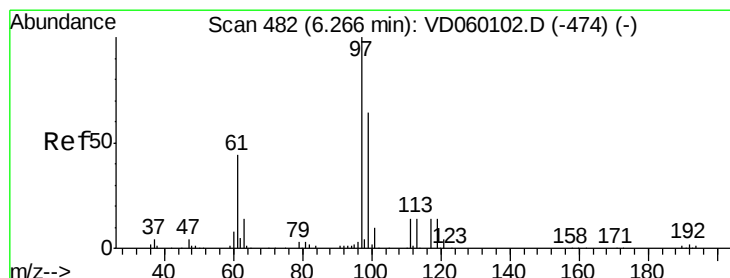
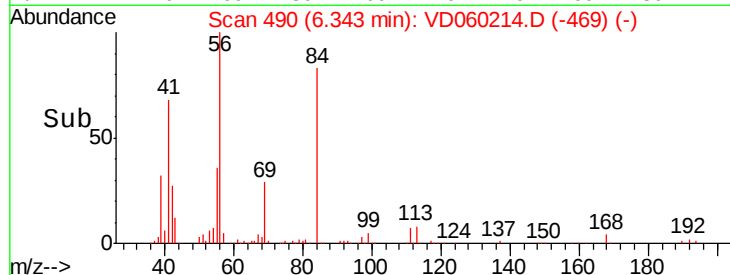
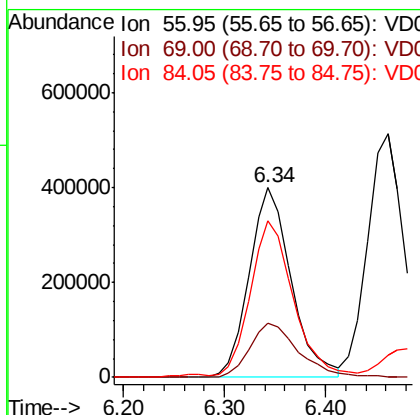
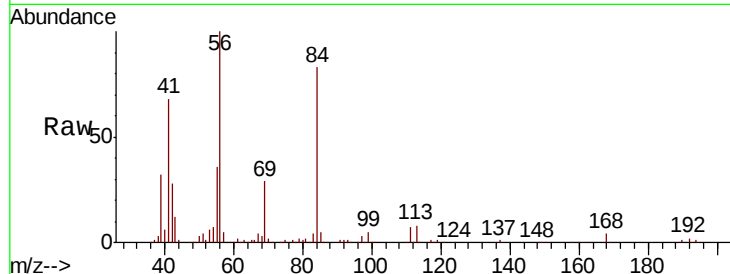




#31
Cyclohexane
Concen: 47.632 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

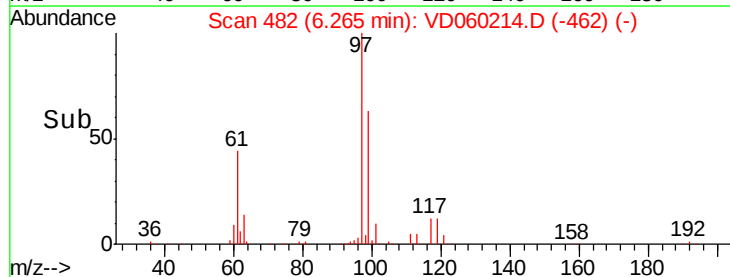
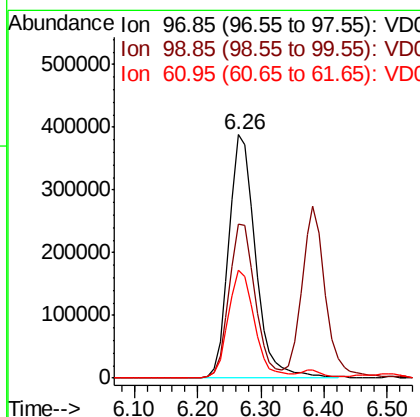
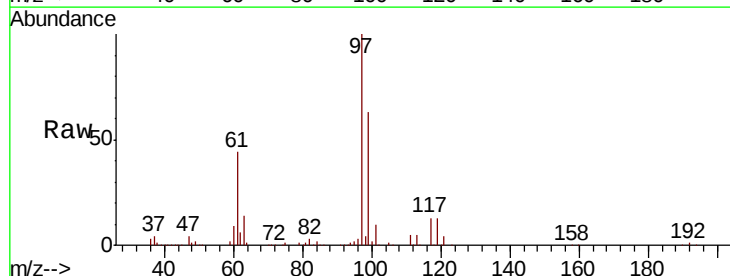
Instrument :
MSVOA_D
ClientSampleId :
BFB

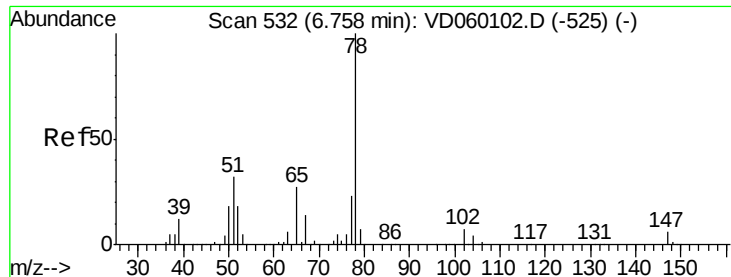
Tgt Ion: 56 Resp: 1156104
Ion Ratio Lower Upper
56 100
69 28.5 22.8 34.2
84 83.0 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 54.009 ug/l
RT: 6.26 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 97 Resp: 1134884
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.0
61 44.1 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 54.009 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

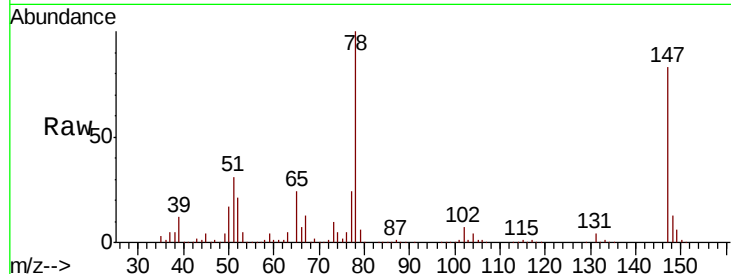
BFB

Tgt Ion: 65 Resp: 536526

Ion Ratio Lower Upper

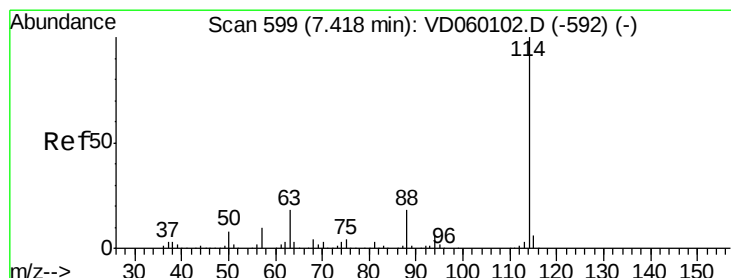
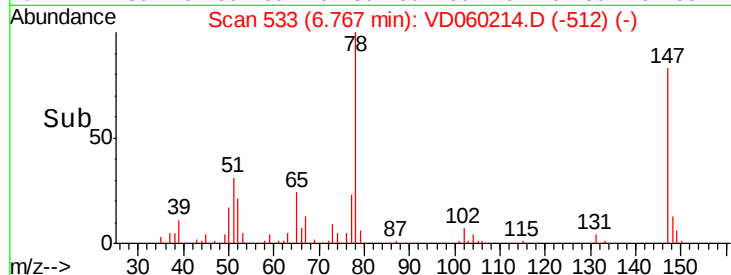
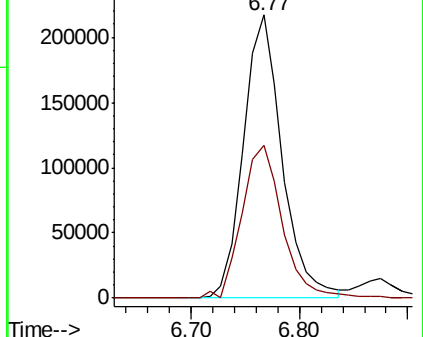
65 100

67 54.1 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

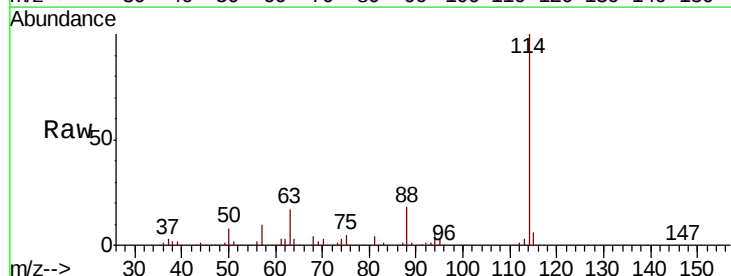
Tgt Ion: 114 Resp: 1992535

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.0

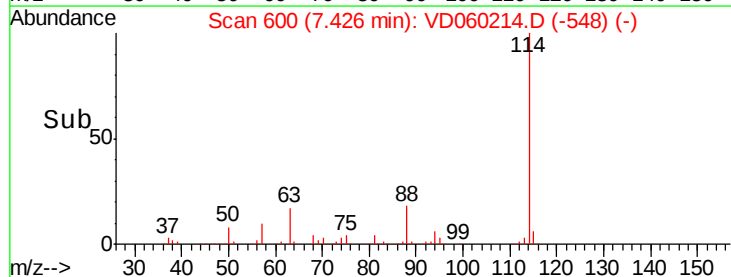
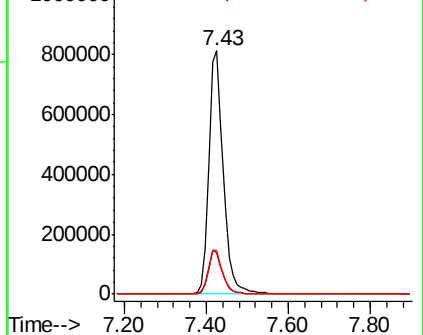
88 17.9 0.0 36.2

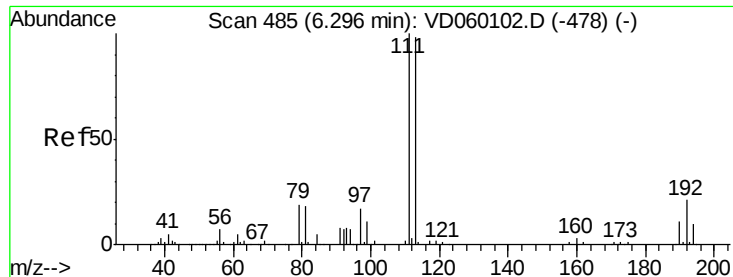


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

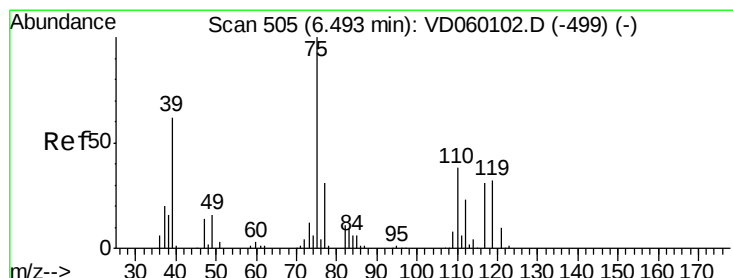
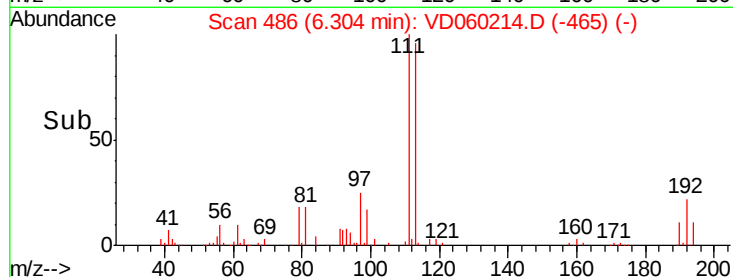
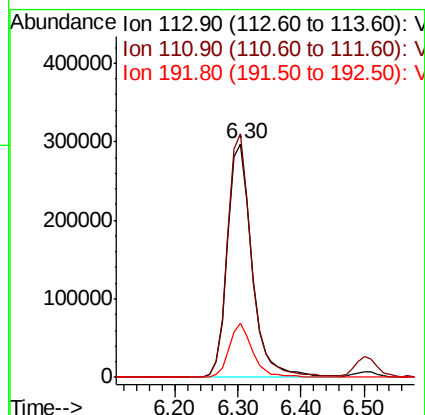
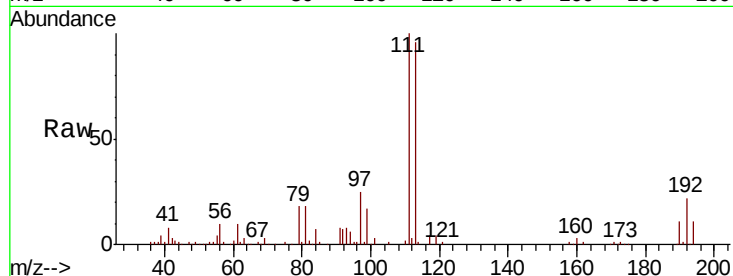




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

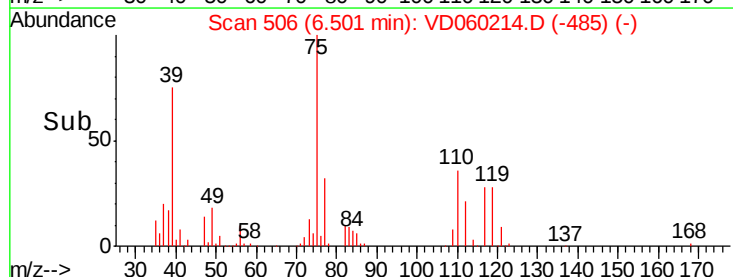
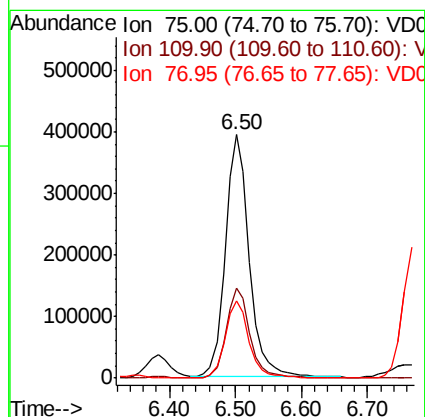
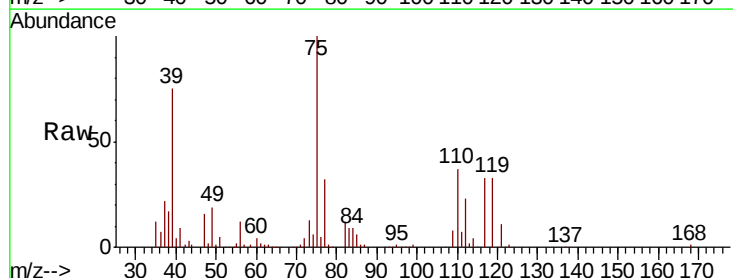
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

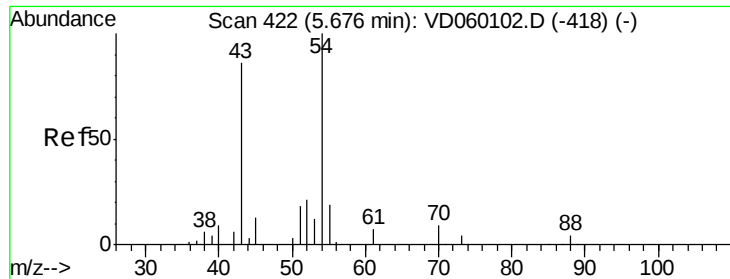
Tgt Ion:113 Resp: 804802
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.5 122.3
 192 23.2 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 52.090 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 75 Resp: 991821
 Ion Ratio Lower Upper
 75 100
 110 37.1 19.0 57.0
 77 31.7 24.9 37.3

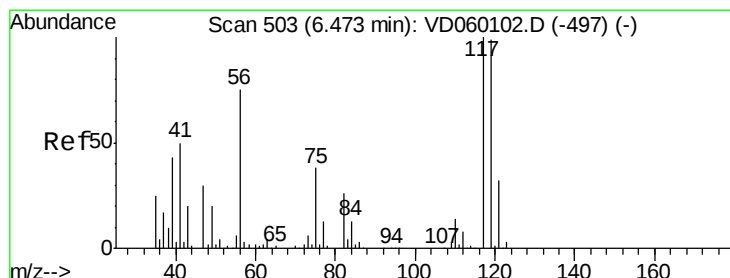
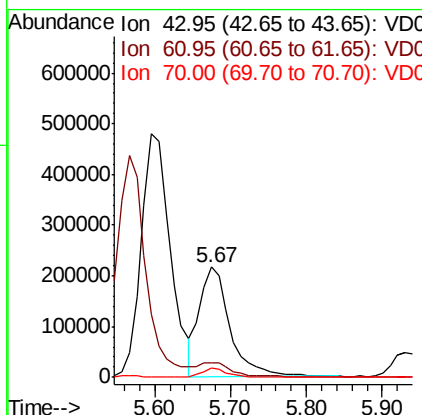
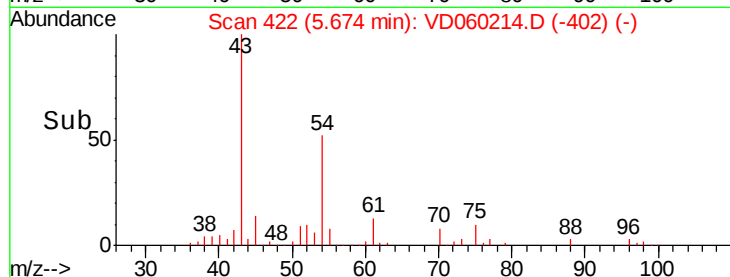
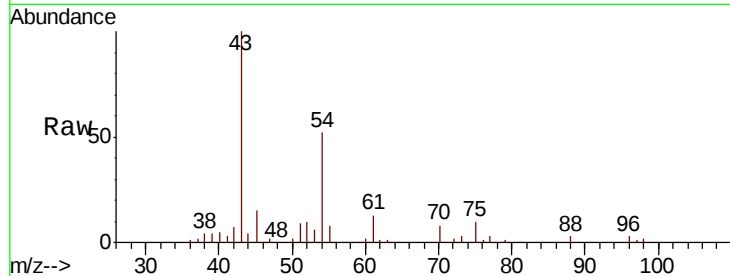




#37
Ethyl Acetate
Concen: 47.867 ug/l
RT: 5.67 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

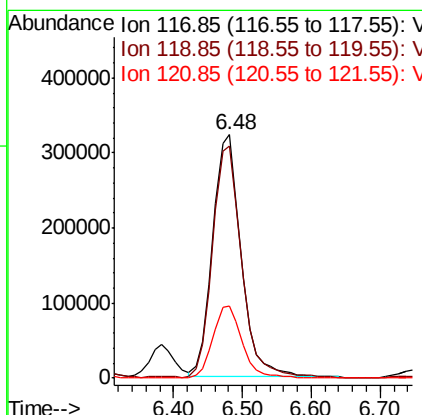
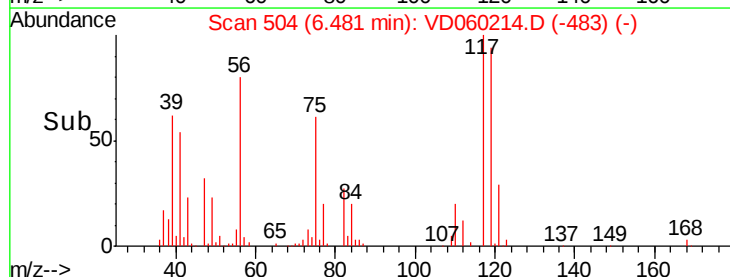
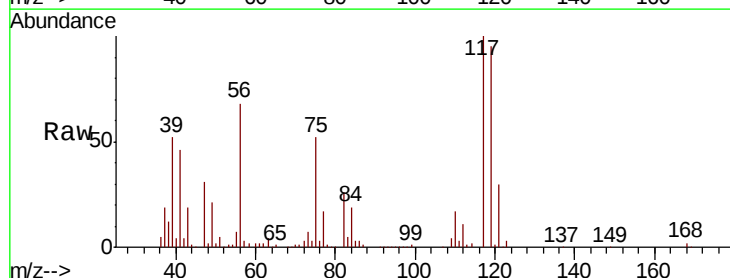
Instrument :
MSVOA_D
ClientSampled :
BFB

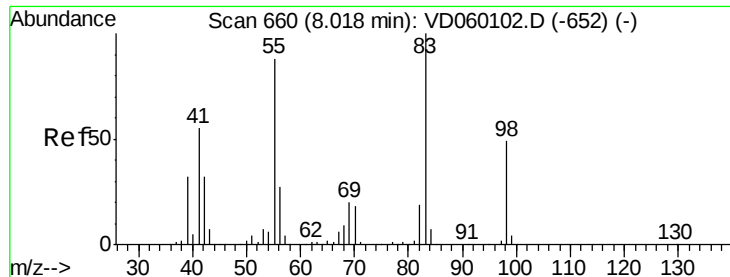
Tgt Ion: 43 Resp: 604957
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 8.2 6.3 9.5



#38
Carbon Tetrachloride
Concen: 53.612 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 117 Resp: 926488
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.6
121 29.7 24.8 37.2

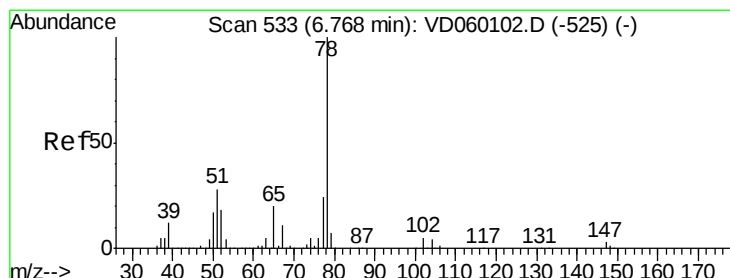
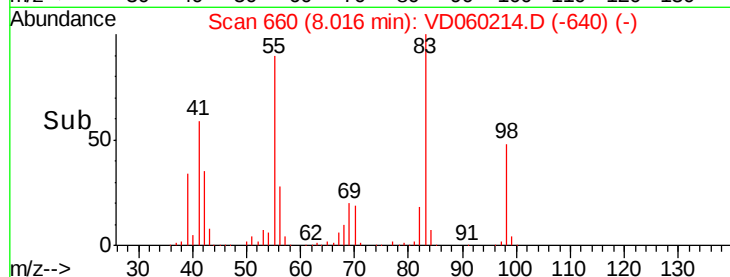
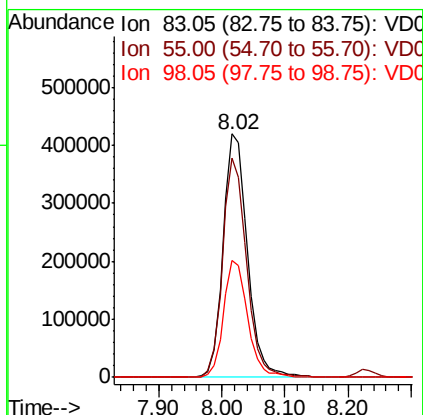
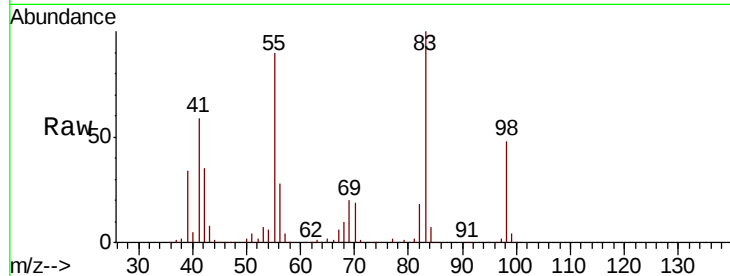




#39
Methylcyclohexane
Concen: 52.001 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

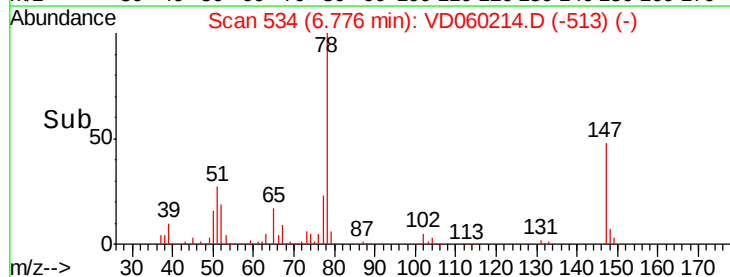
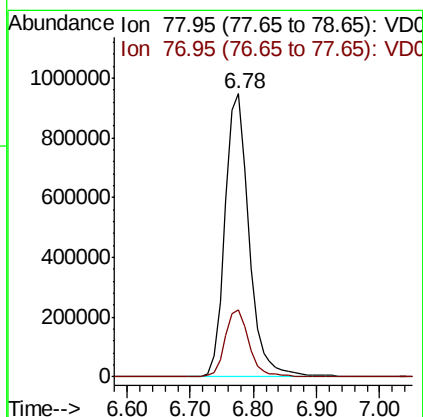
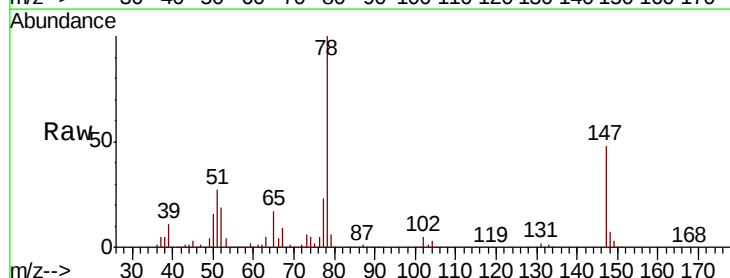
Instrument :
MSVOA_D
ClientSampleId :
BFB

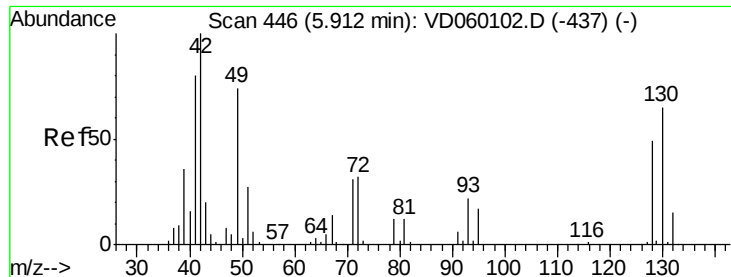
Tgt Ion: 83 Resp: 1124988
Ion Ratio Lower Upper
83 100
55 90.2 70.5 105.7
98 48.0 39.4 59.2



#40
Benzene
Concen: 50.348 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 78 Resp: 2507961
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#41

Methacrylonitrile

Concen: 97.409 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

BFB

Tgt Ion: 41 Resp: 695833

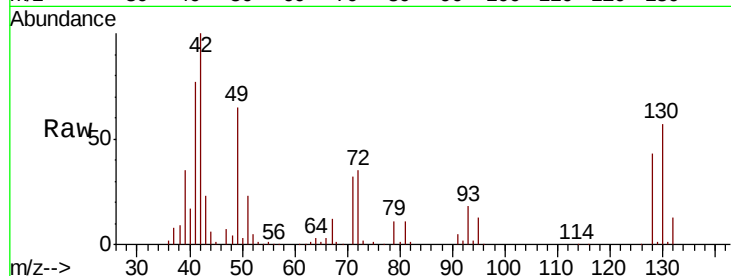
Ion Ratio Lower Upper

41 100

39 45.6 36.0 54.0

67 15.8 13.9 20.9

52 6.6 6.1 9.1

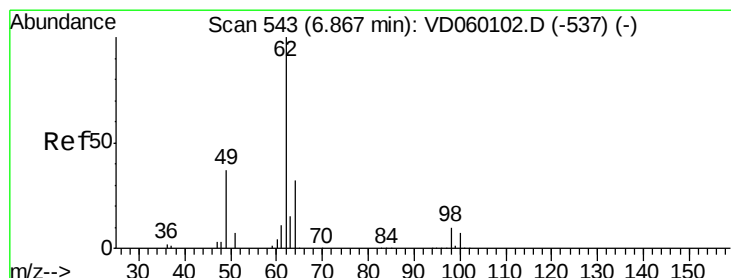
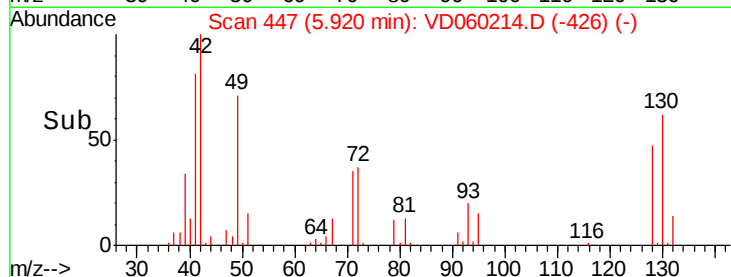
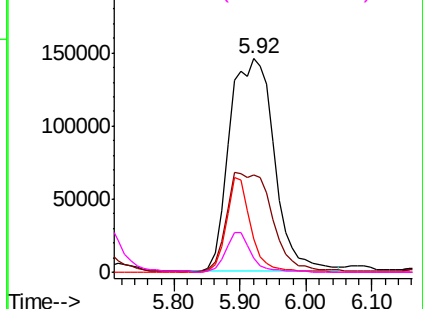


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 52.883 ug/l

RT: 6.87 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060214.D

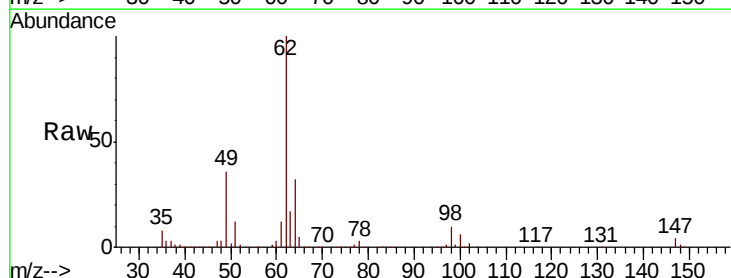
Acq: 26 Oct 2018 13:51

Tgt Ion: 62 Resp: 755238

Ion Ratio Lower Upper

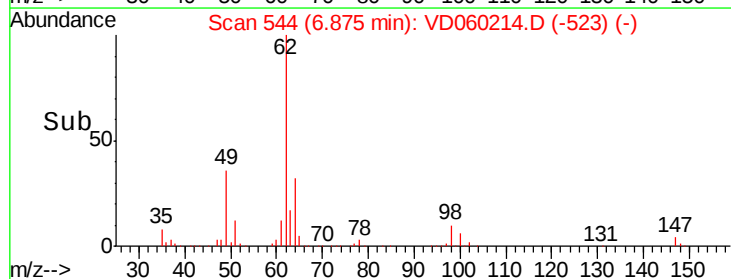
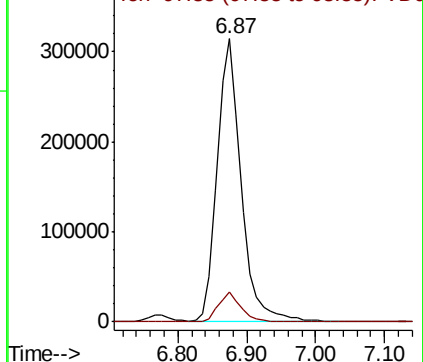
62 100

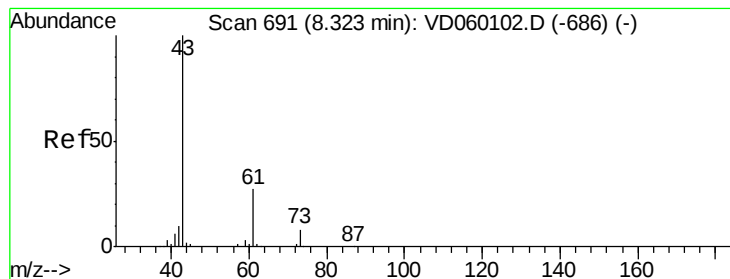
98 10.4 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 47.789 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

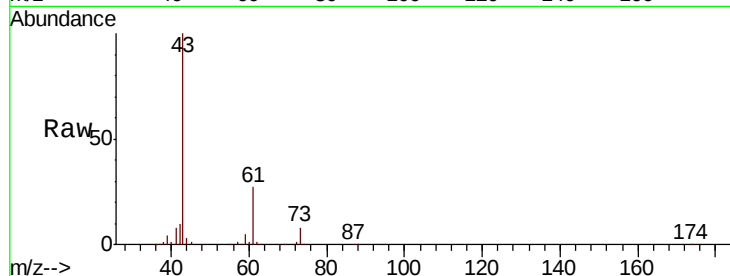
Tgt Ion: 43 Resp: 794595

Ion Ratio Lower Upper

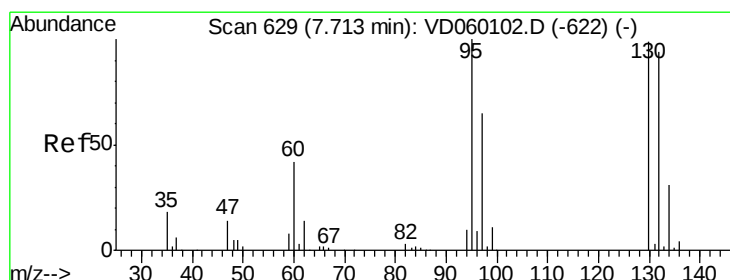
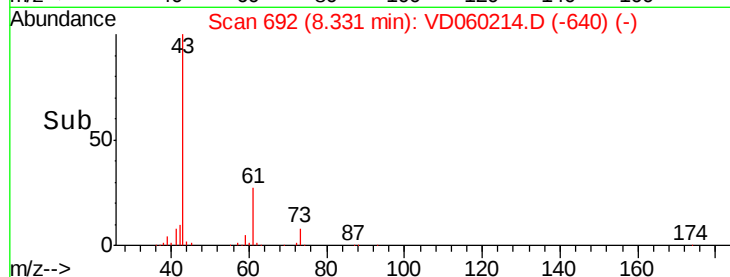
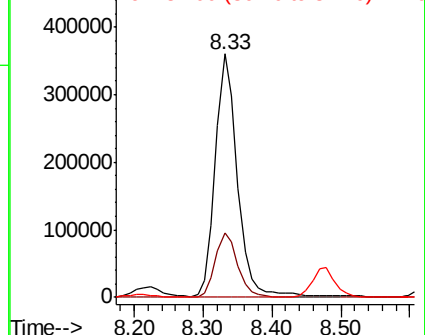
43 100

61 26.6 21.4 32.2

87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.987 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD060214.D

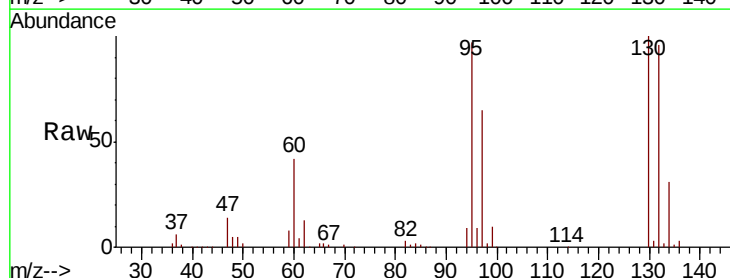
Acq: 26 Oct 2018 13:51

Tgt Ion: 130 Resp: 801630

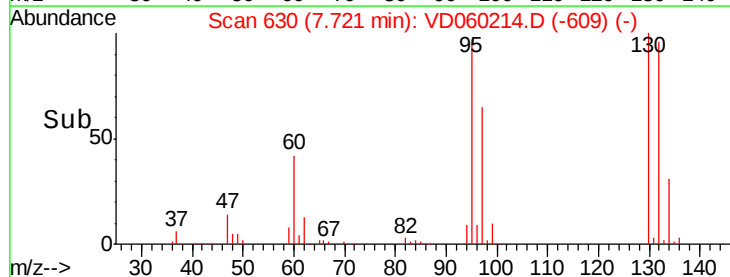
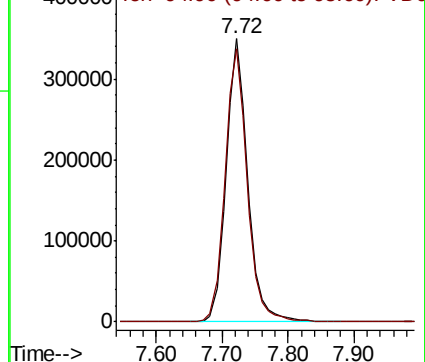
Ion Ratio Lower Upper

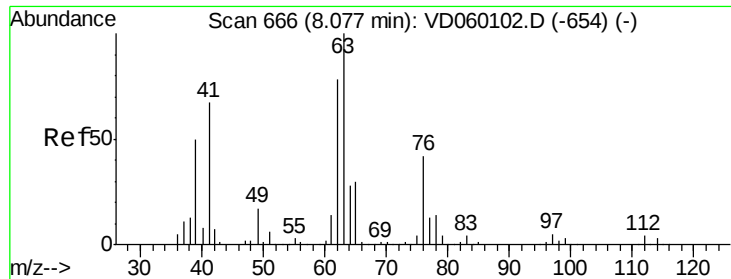
130 100

95 96.7 0.0 202.2



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





#45

1,2-Dichloropropane

Concen: 52.575 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

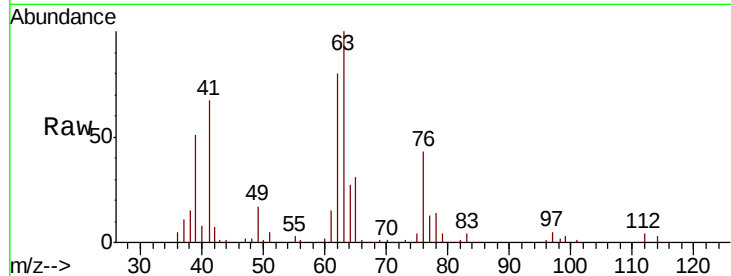
BFB

Tgt Ion: 63 Resp: 685738

Ion Ratio Lower Upper

63 100

65 30.9 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

300000

250000

200000

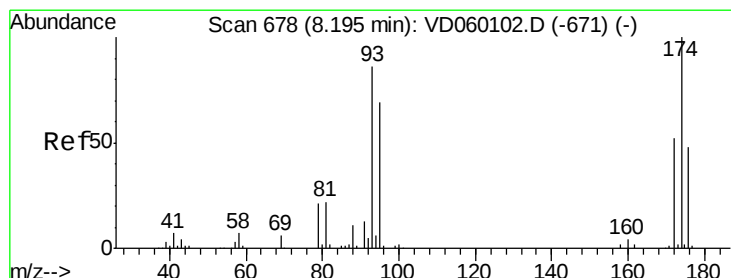
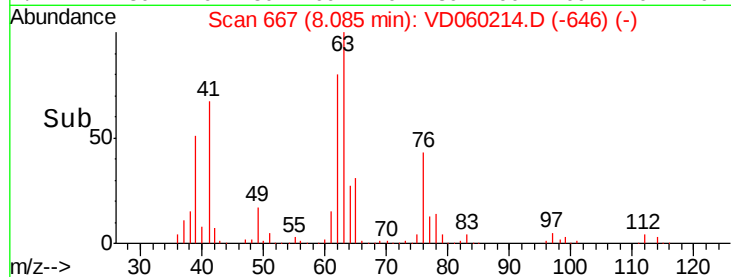
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.770 ug/l

RT: 8.19 min Scan# 678

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

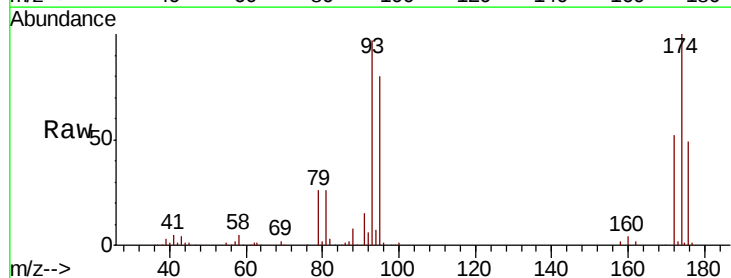
Tgt Ion: 93 Resp: 437163

Ion Ratio Lower Upper

93 100

95 81.6 63.8 95.6

174 102.6 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

300000

250000

200000

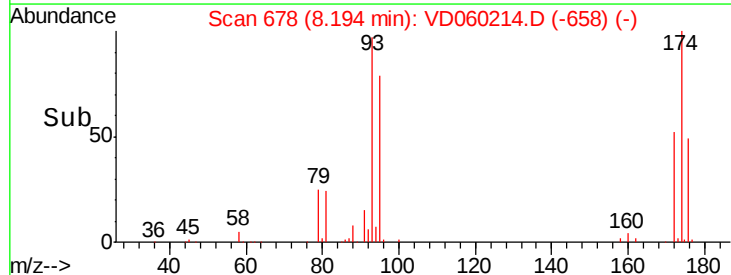
150000

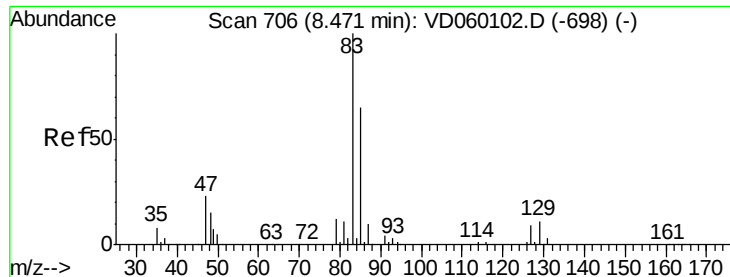
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 54.990 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

BFB

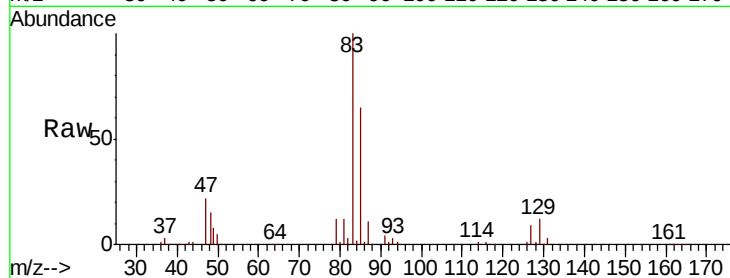
Tgt Ion: 83 Resp: 989405

Ion Ratio Lower Upper

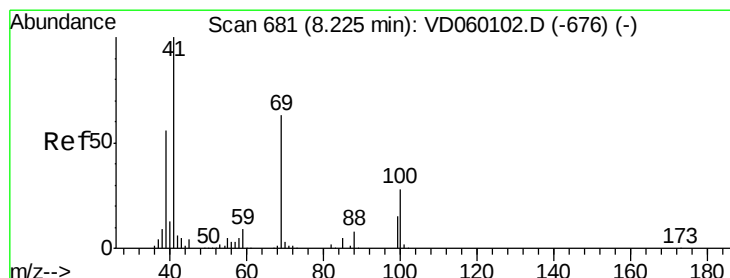
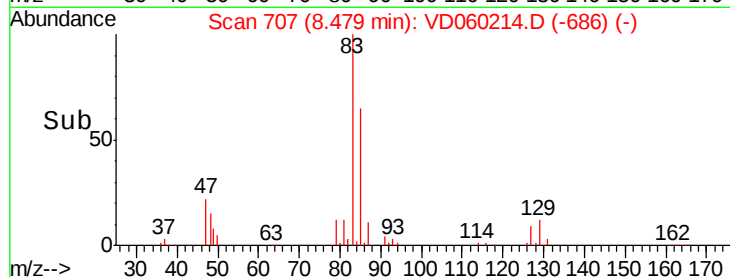
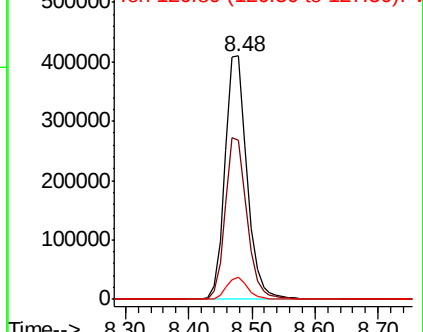
83 100

85 65.4 52.2 78.2

127 9.1 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: 50.909 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

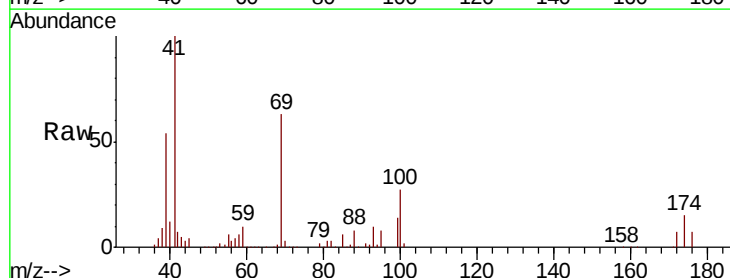
Tgt Ion: 41 Resp: 482165

Ion Ratio Lower Upper

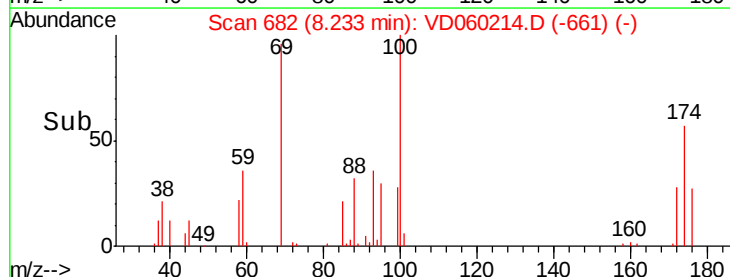
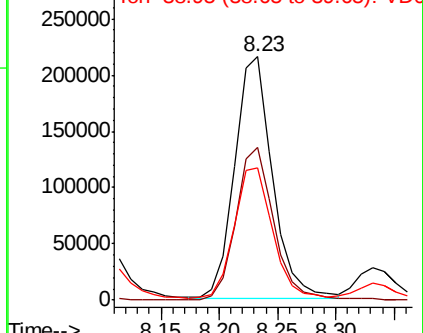
41 100

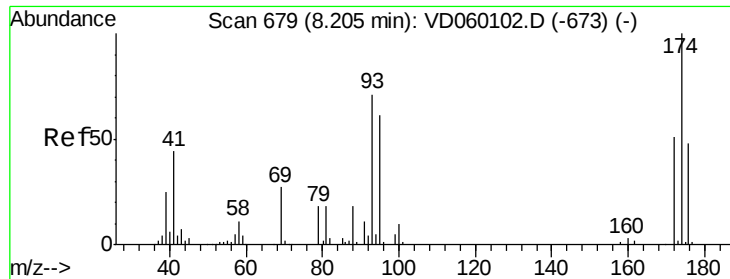
69 62.9 49.7 74.5

39 54.2 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

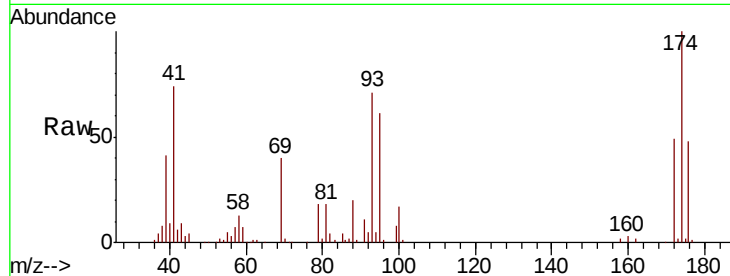




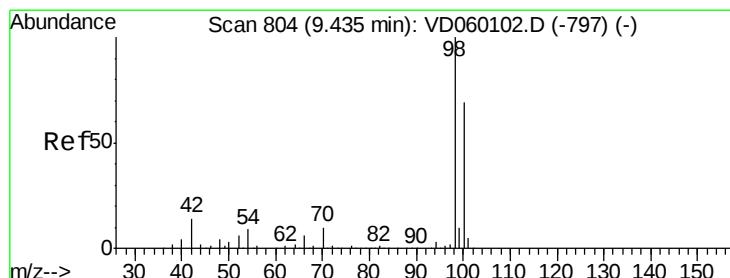
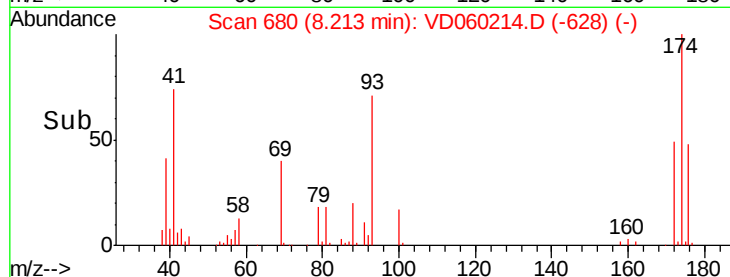
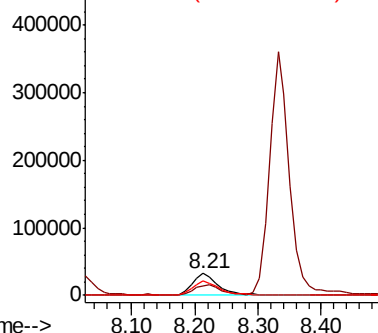
#49
 1,4-Dioxane
 Concen: 1009.944 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampleID :
 BFB

Tgt Ion: 88 Resp: 94114
 Ion Ratio Lower Upper
 88 100
 43 42.9 33.7 50.5
 58 63.2 49.1 73.7

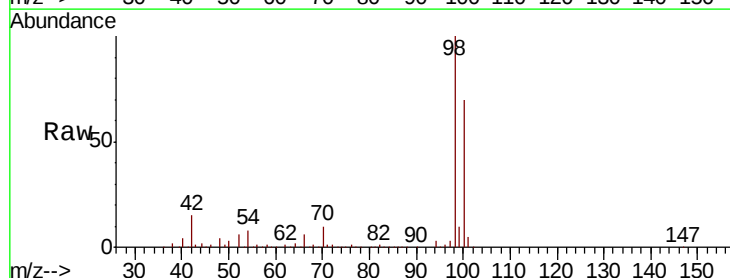


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

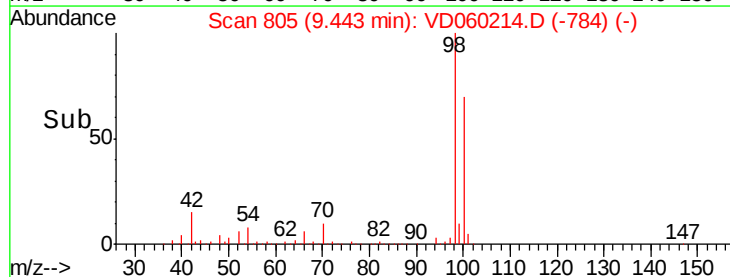
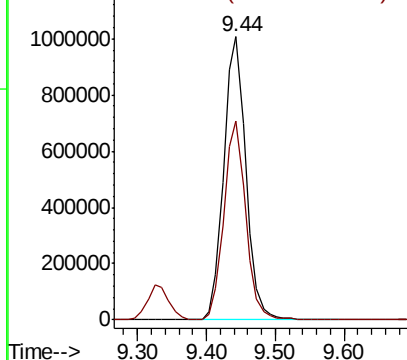


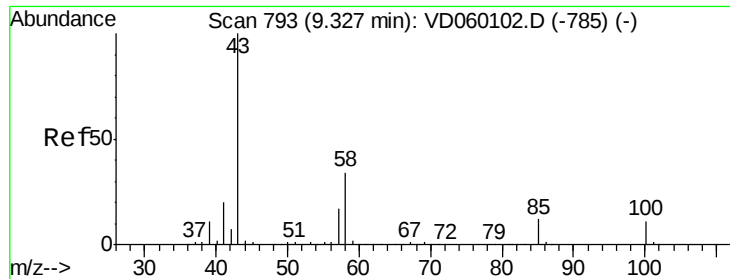
#50
 Toluene-d8
 Concen: 1009.944 ug/l
 RT: 9.44 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 98 Resp: 2239162
 Ion Ratio Lower Upper
 98 100
 100 70.2 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: 252.985 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

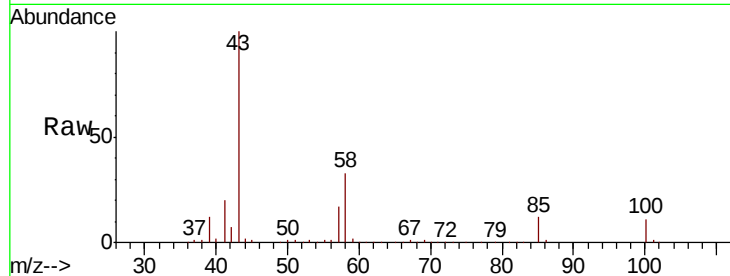
BFB

Tgt Ion: 43 Resp: 2653097

Ion Ratio Lower Upper

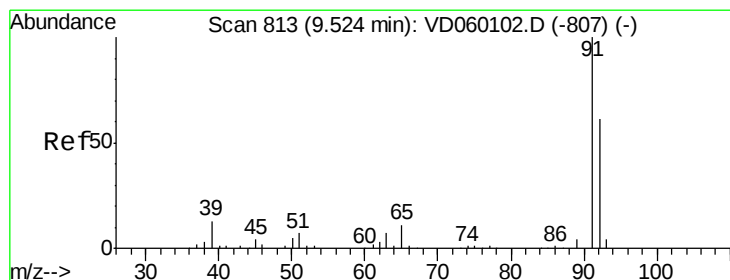
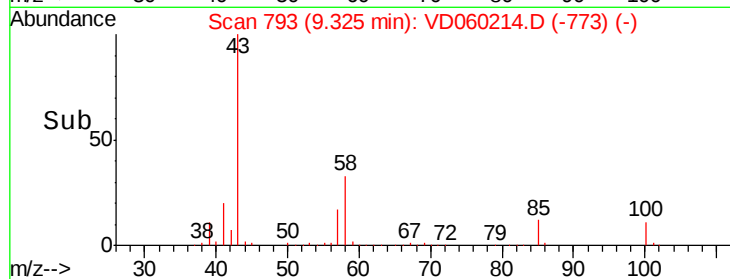
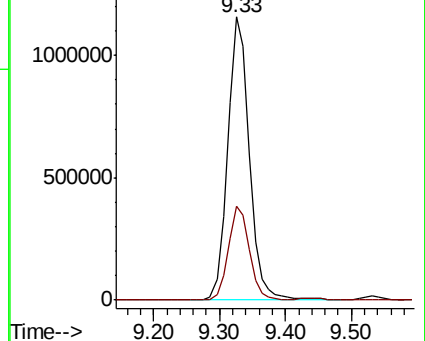
43 100

58 33.0 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.179 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060214.D

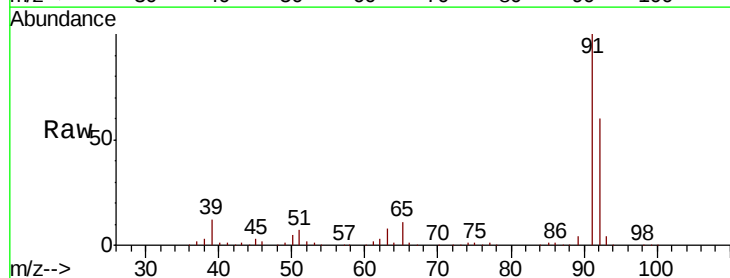
Acq: 26 Oct 2018 13:51

Tgt Ion: 92 Resp: 1673949

Ion Ratio Lower Upper

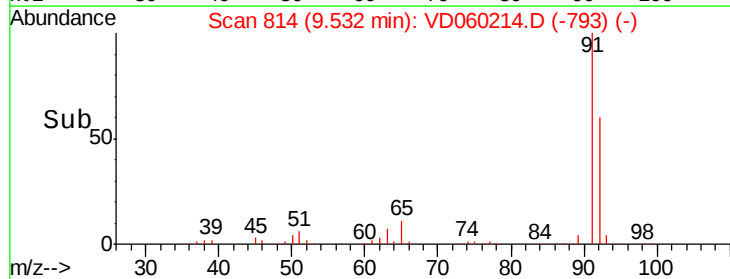
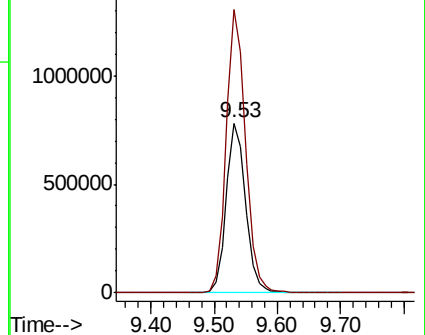
92 100

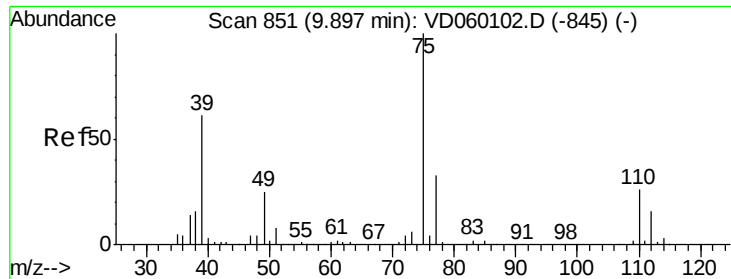
91 166.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

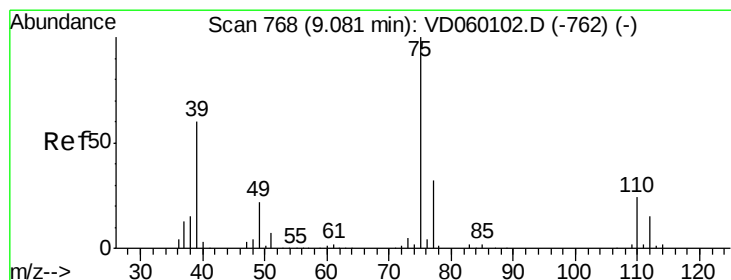
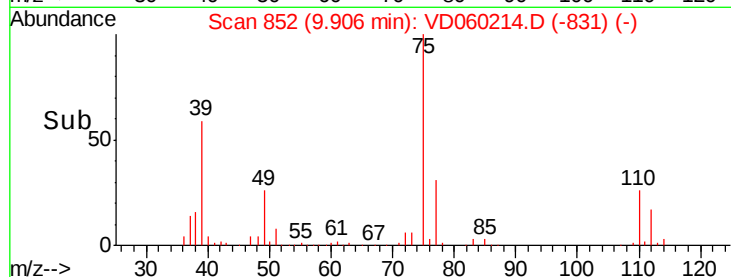
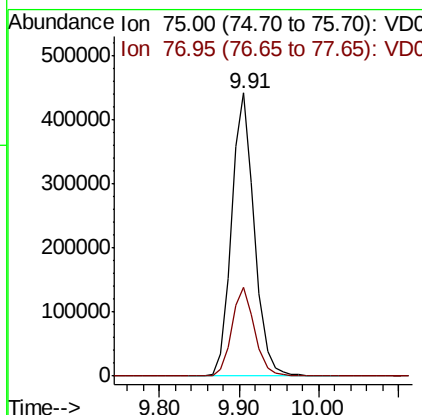
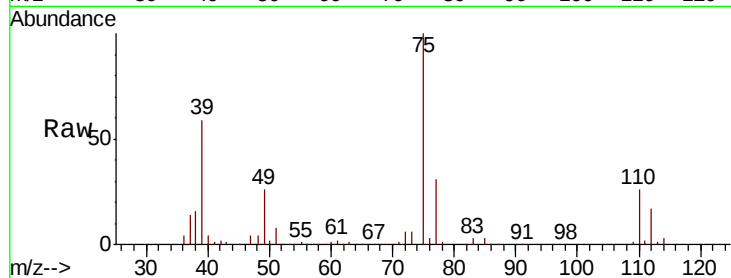




#53
 t-1,3-Dichloropropene
 Concen: 53.921 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

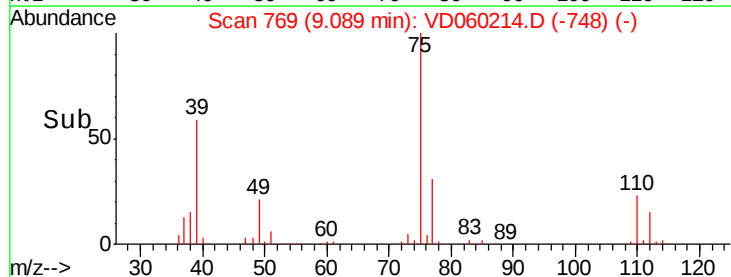
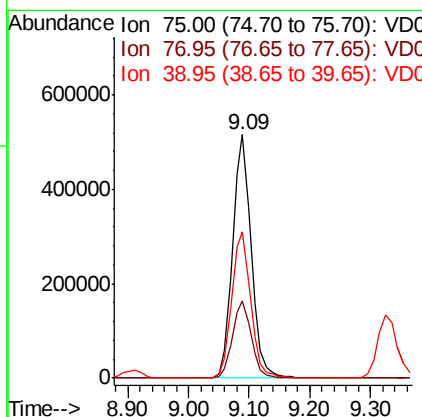
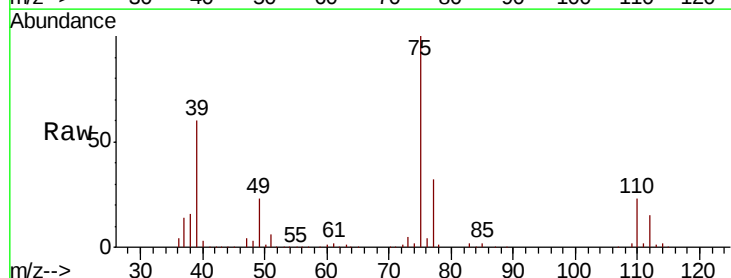
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

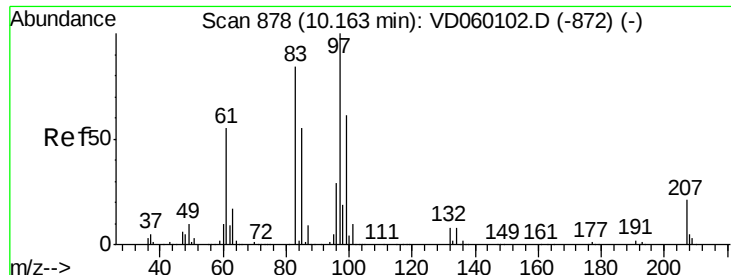
Tgt Ion: 75 Resp: 877854
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 54.562 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 75 Resp: 1096919
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.7 38.5
 39 60.2 48.2 72.4

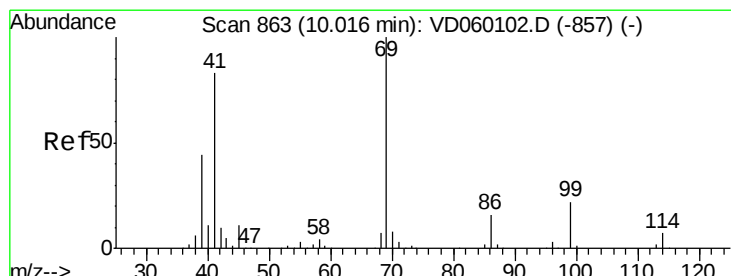
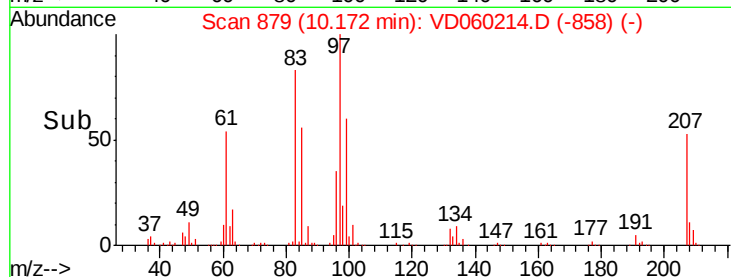
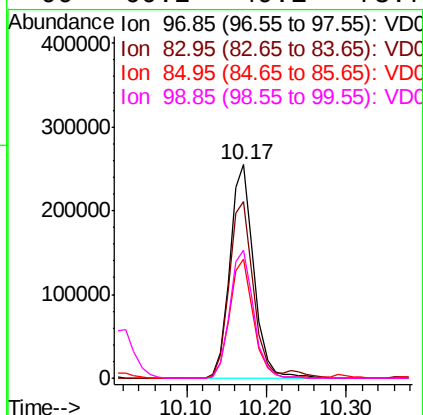
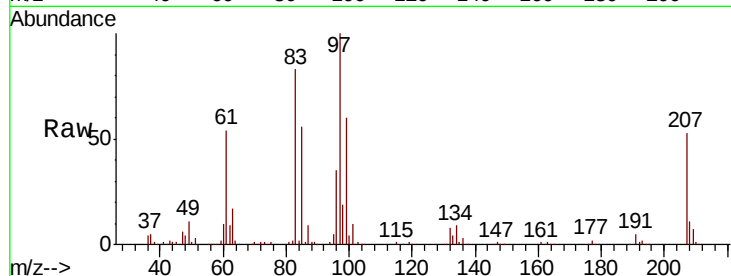




#55
 1,1,2-Trichloroethane
 Concen: 51.160 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

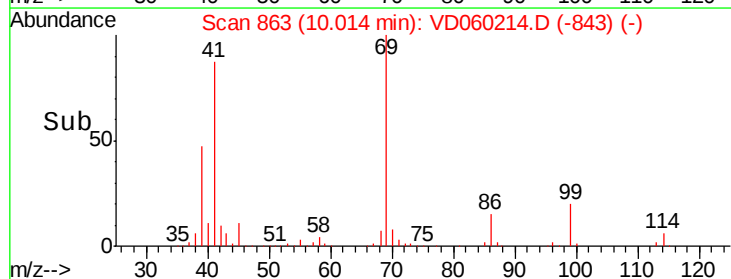
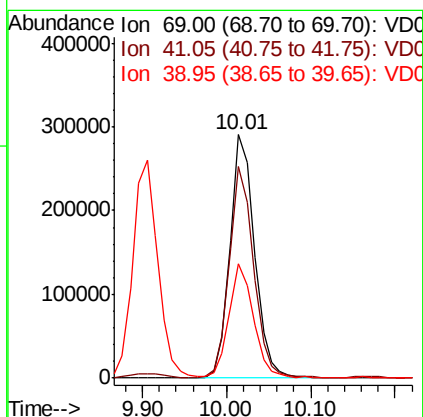
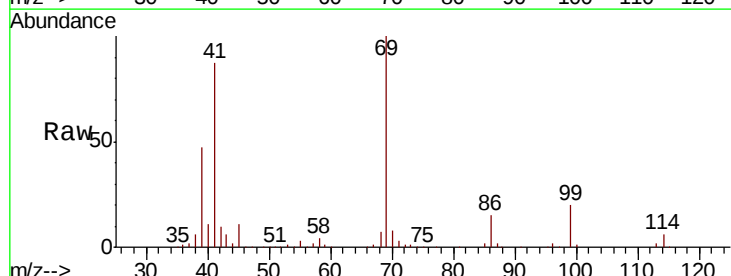
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

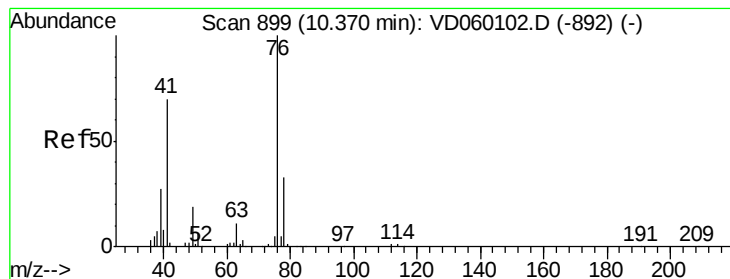
Tgt Ion:	97	Resp:	536555
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.0	100.6
85	56.0	43.9	65.9
99	60.2	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 51.307 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion:	69	Resp:	593987
Ion	Ratio	Lower	Upper
69	100		
41	86.9	66.6	100.0
39	47.0	36.0	54.0





#57

1,3-Dichloropropane

Concen: 52.370 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

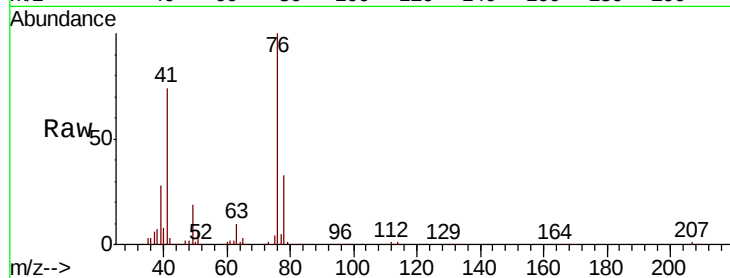
BFB

Tgt Ion: 76 Resp: 837676

Ion Ratio Lower Upper

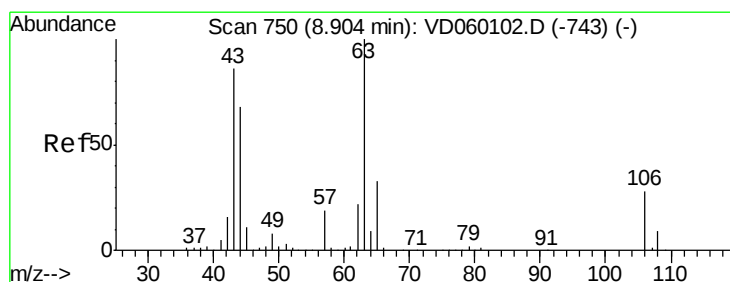
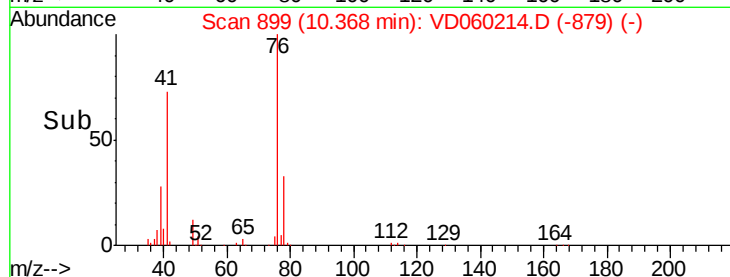
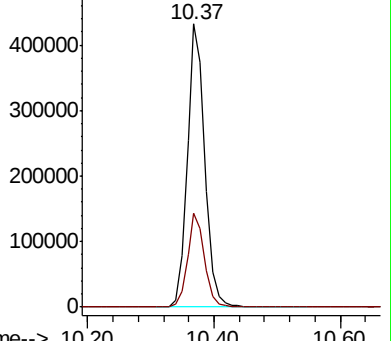
76 100

78 33.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.599 ug/l

RT: 8.91 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060214.D

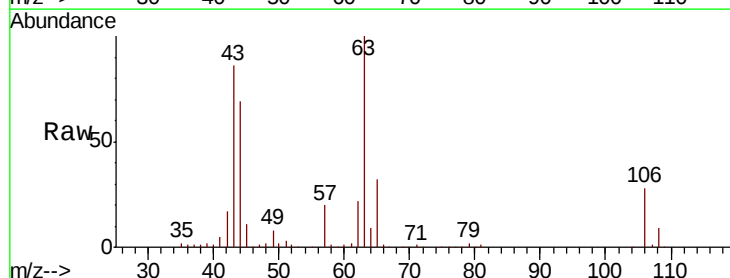
Acq: 26 Oct 2018 13:51

Tgt Ion: 63 Resp: 1604623

Ion Ratio Lower Upper

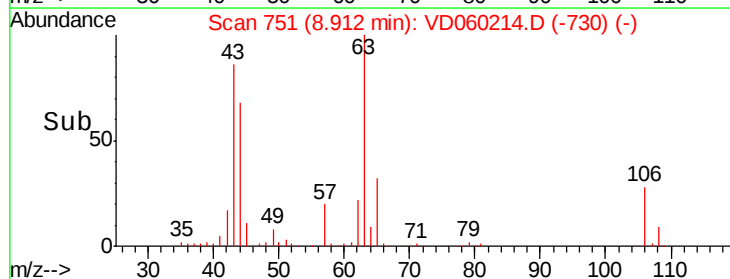
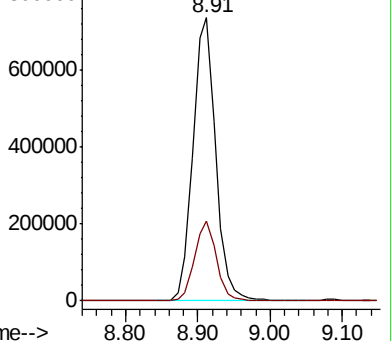
63 100

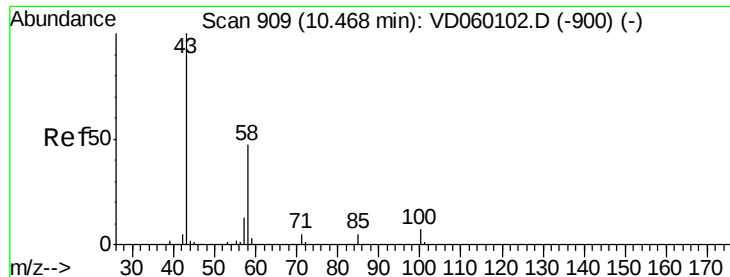
106 28.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

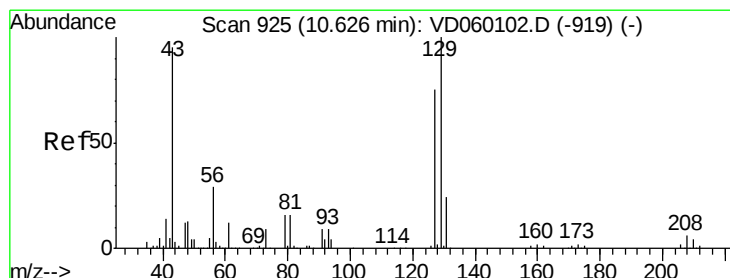
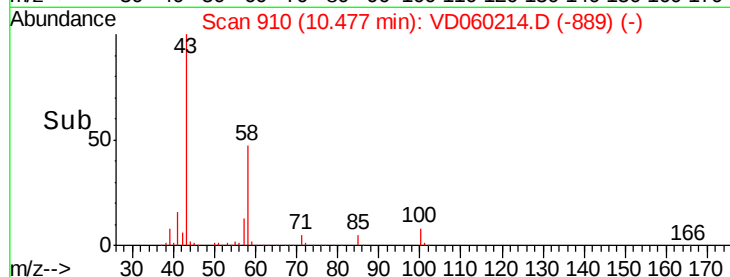
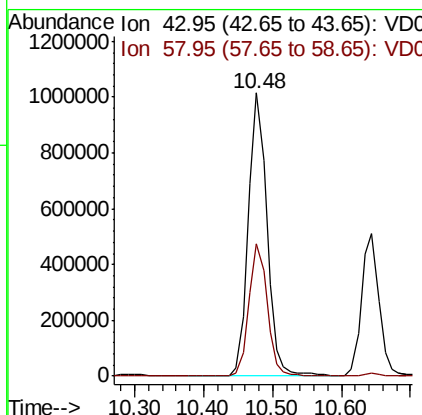
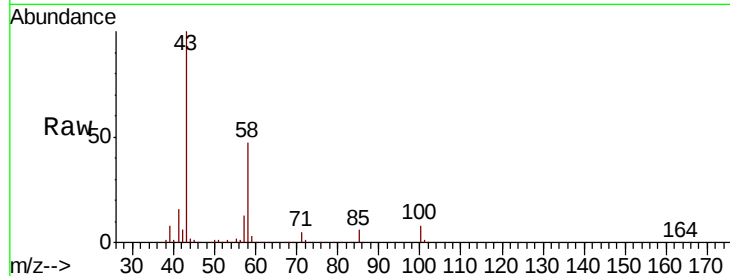




#59
2-Hexanone
Concen: 253.993 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

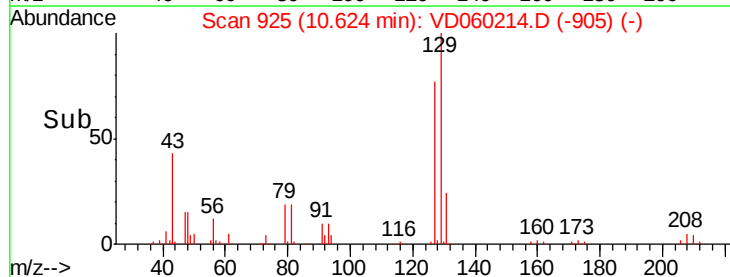
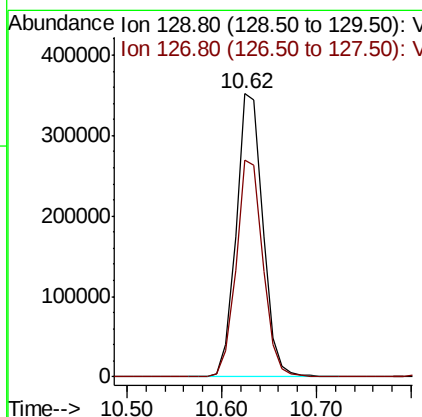
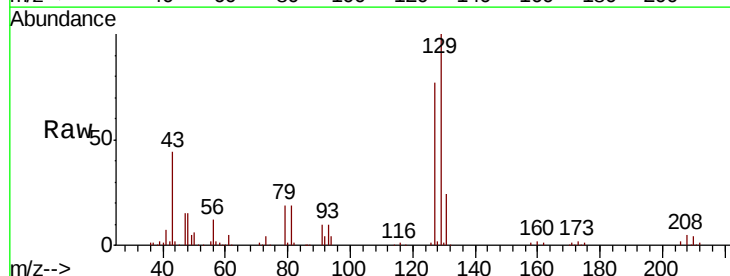
Instrument :
MSVOA_D
ClientSampleId :
BFB

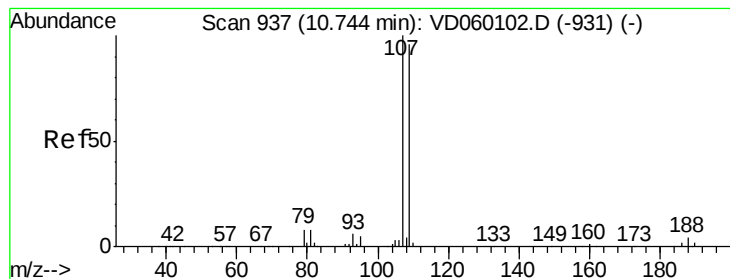
Tgt Ion: 43 Resp: 1915392
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9



#60
Dibromochloromethane
Concen: 53.420 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 129 Resp: 687404
Ion Ratio Lower Upper
129 100
127 76.6 37.4 112.2





#61

1,2-Dibromoethane

Concen: 50.517 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

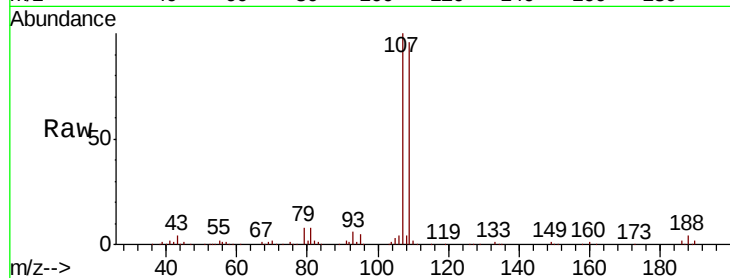
BFB

Tgt Ion: 107 Resp: 562939

Ion Ratio Lower Upper

107 100

109 96.2 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

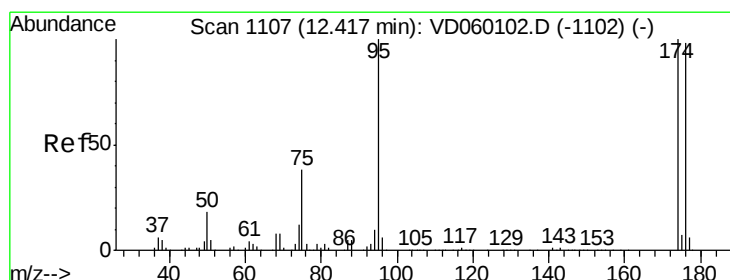
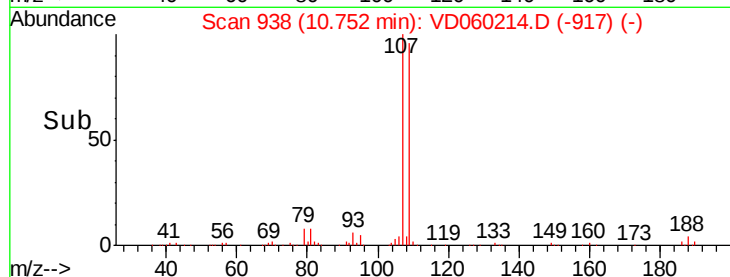
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.517 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

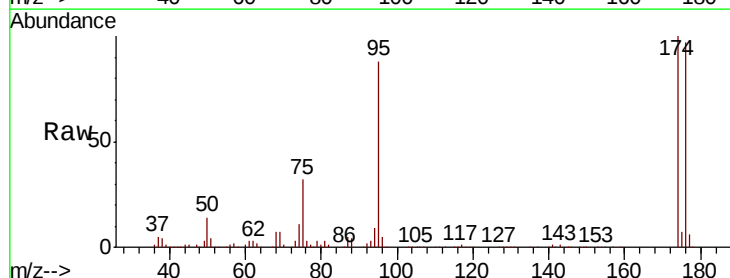
Tgt Ion: 95 Resp: 844780

Ion Ratio Lower Upper

95 100

174 113.8 0.0 200.2

176 110.0 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

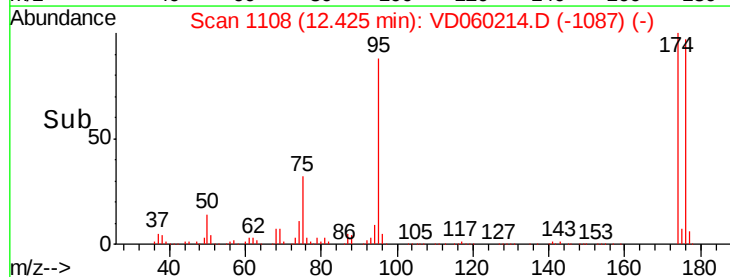
600000

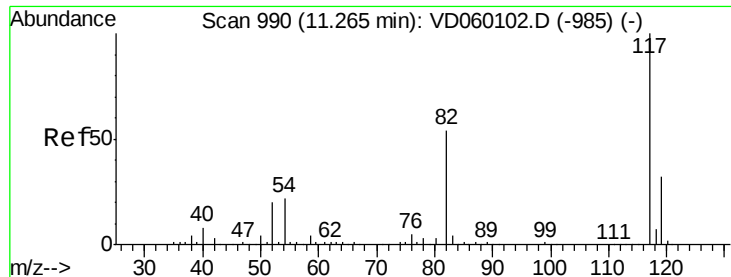
400000

200000

0

Time-->

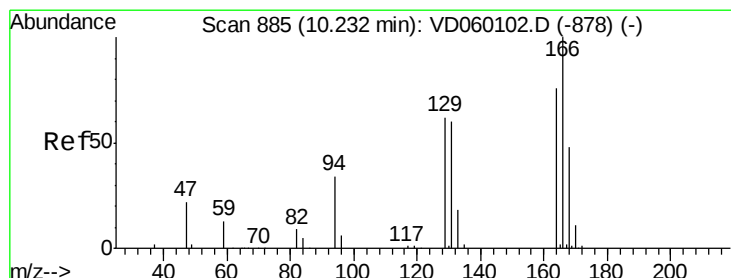
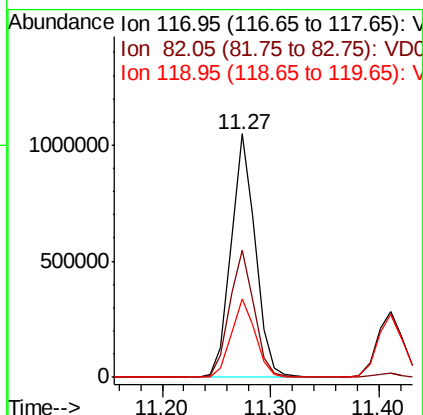
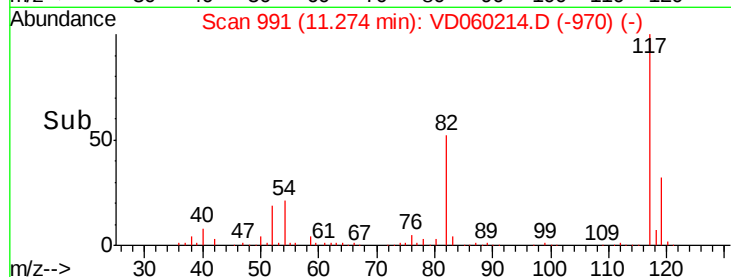
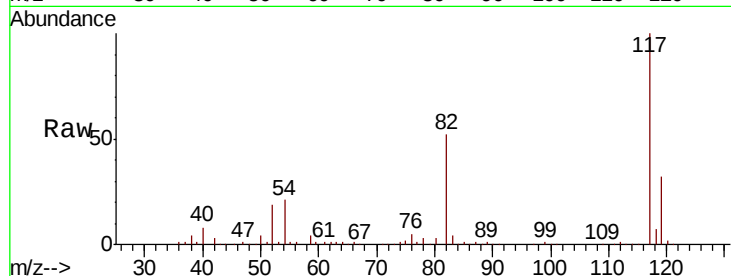




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

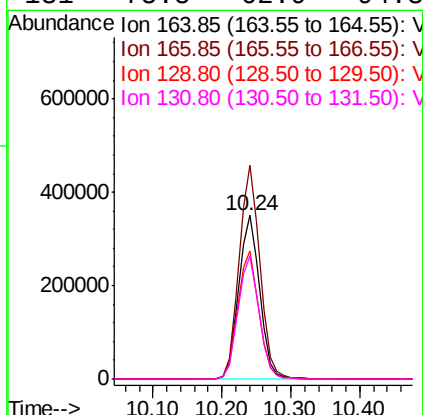
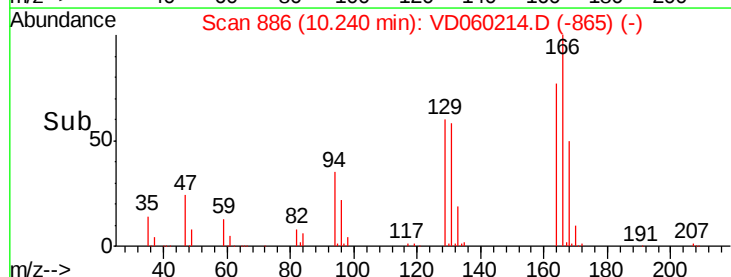
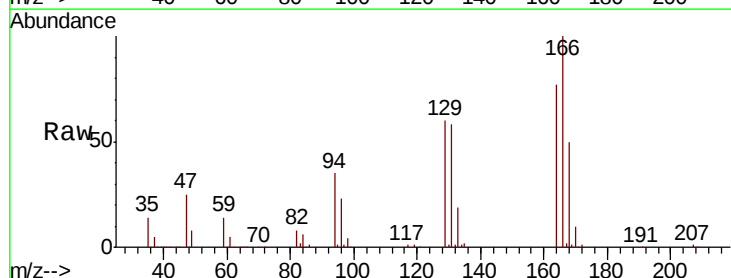
Instrument :
MSVOA_D
ClientSampled :
BFB

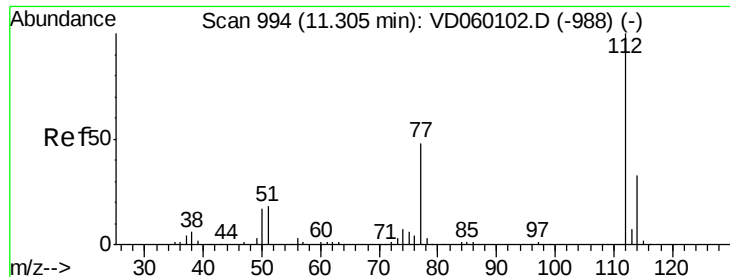
Tgt Ion:117 Resp: 1632634
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.2
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 51.618 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion:164 Resp: 738116
Ion Ratio Lower Upper
164 100
166 130.5 105.4 158.0
129 78.5 65.7 98.5
131 75.5 62.9 94.3





#65

Chlorobenzene

Concen: 51.528 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

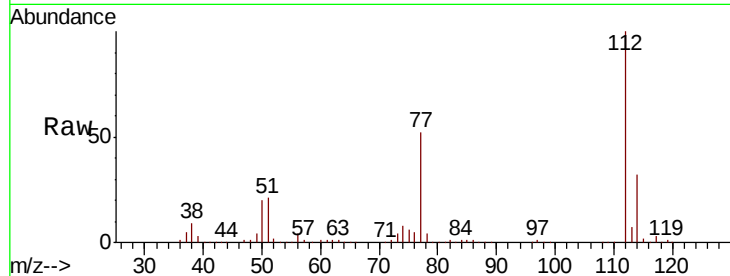
BFB

Tgt Ion:112 Resp: 1819957

Ion Ratio Lower Upper

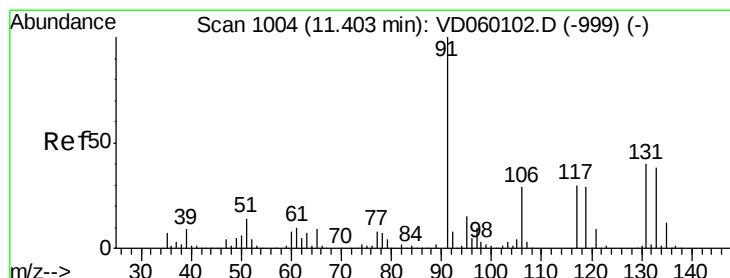
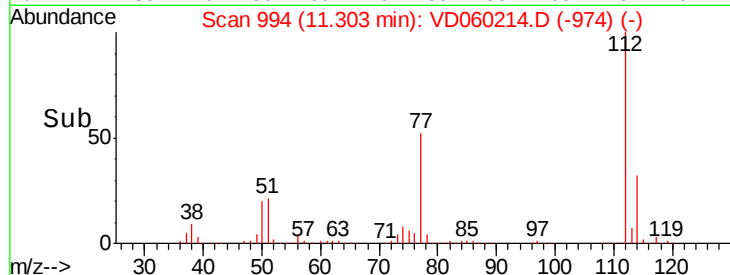
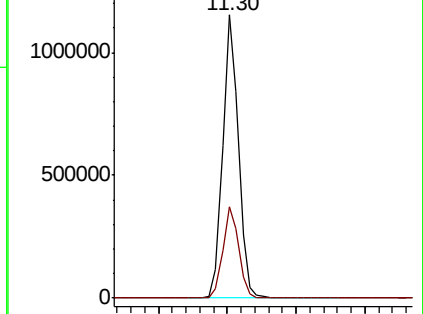
112 100

114 32.3 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.164 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

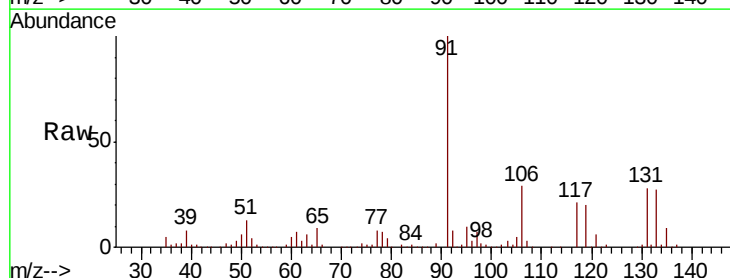
Tgt Ion:131 Resp: 626414

Ion Ratio Lower Upper

131 100

133 97.6 47.4 142.3

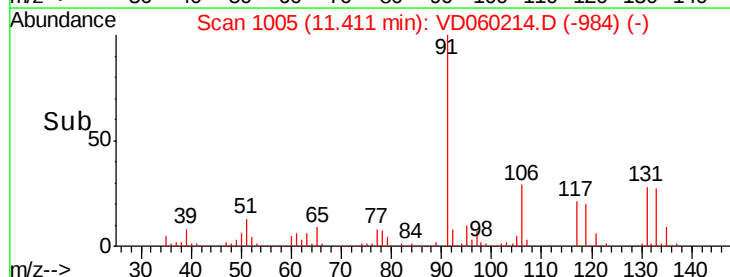
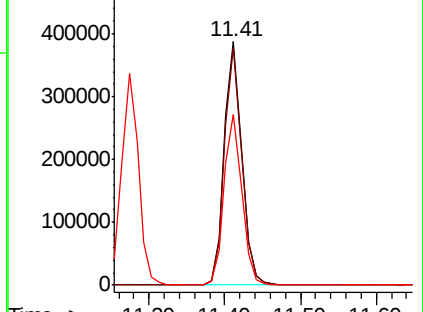
119 70.2 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

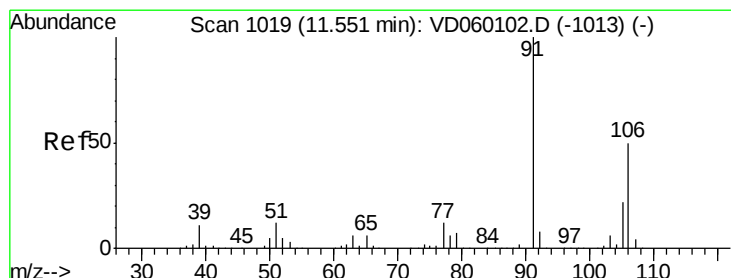
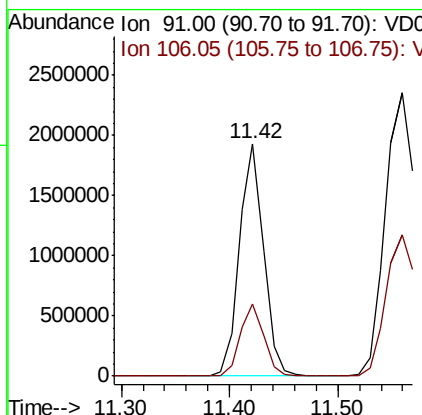
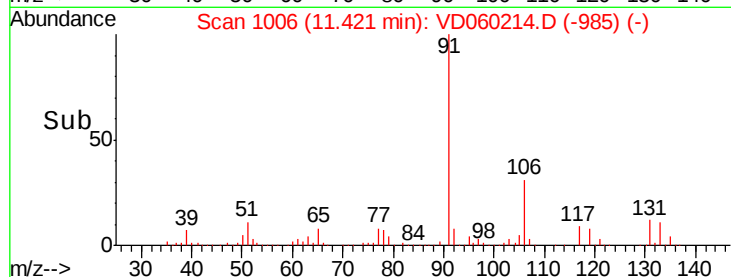
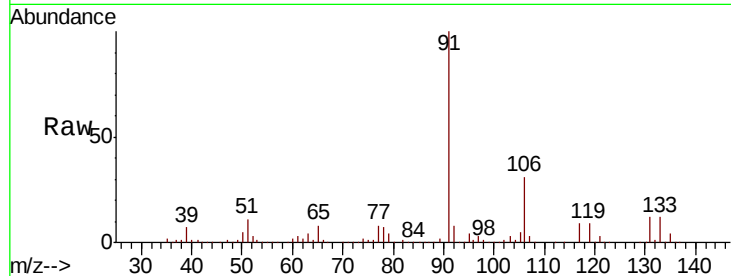




#67
Ethyl Benzene
Concen: 52.251 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

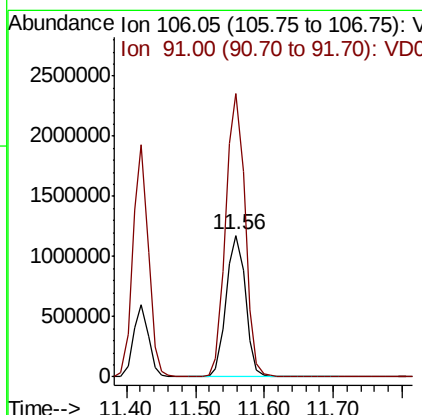
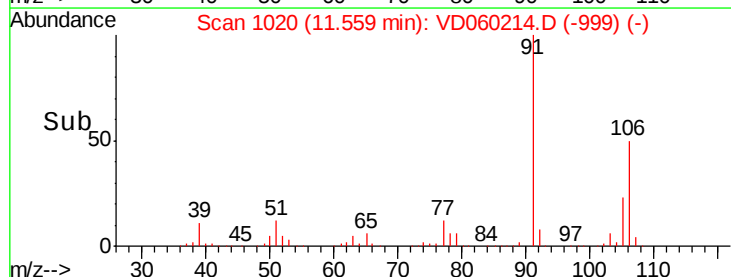
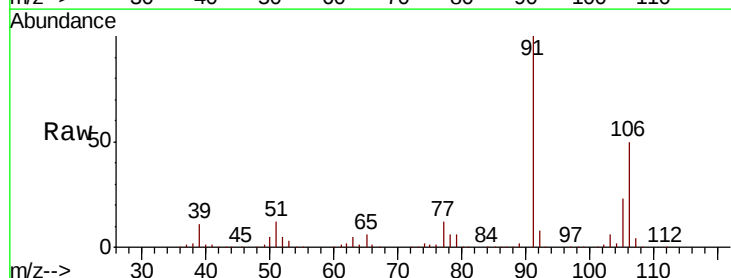
Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion: 91 Resp: 2990028
Ion Ratio Lower Upper
91 100
106 31.1 24.4 36.6



#68
m/p-Xylenes
Concen: 106.460 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 106 Resp: 2276244
Ion Ratio Lower Upper
106 100
91 199.9 160.0 240.0

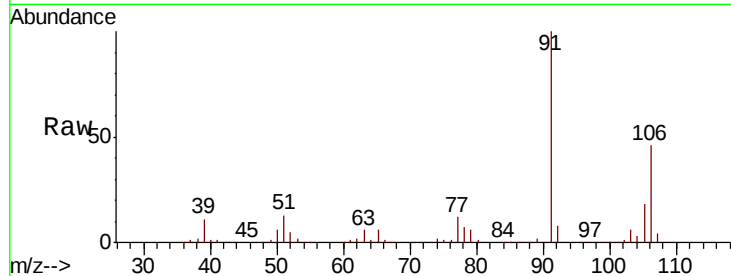




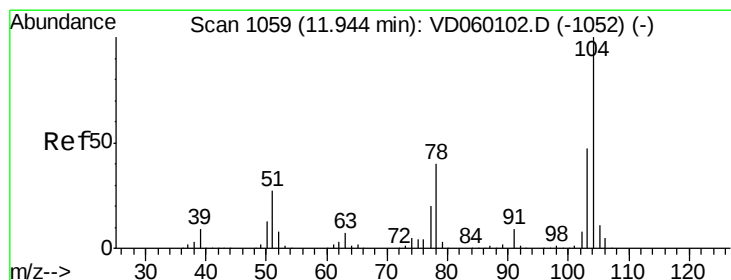
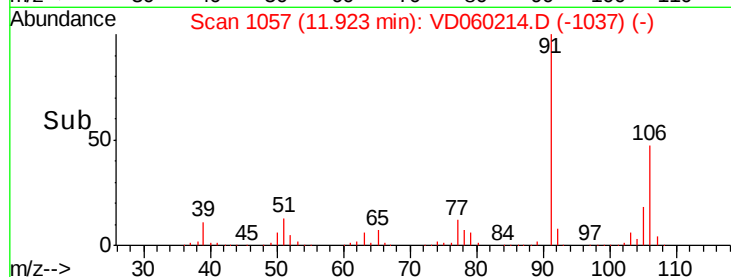
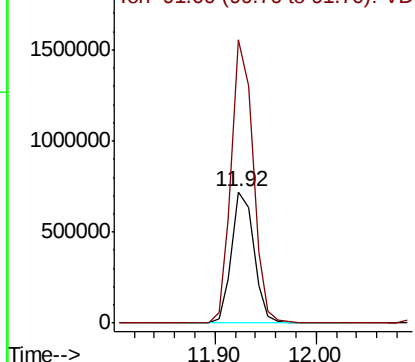
#69
o-Xylene
Concen: 52.698 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion:106 Resp: 1114499
Ion Ratio Lower Upper
106 100
91 215.1 102.5 307.5

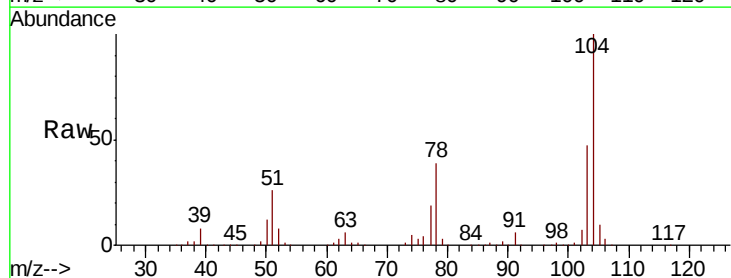


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

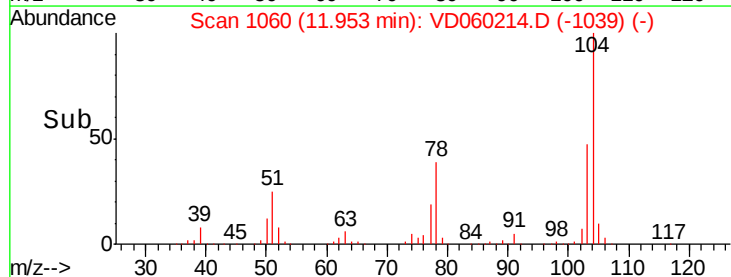
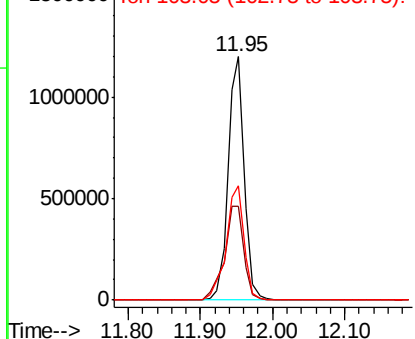


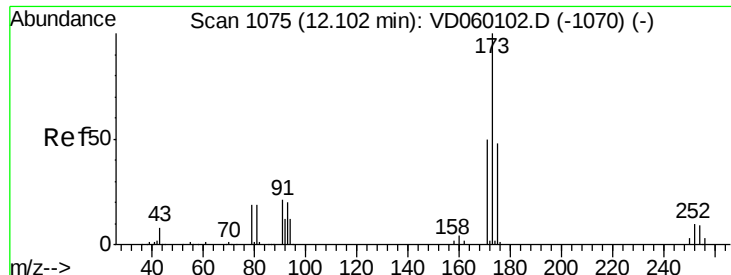
#70
Styrene
Concen: 52.153 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion:104 Resp: 1844505
Ion Ratio Lower Upper
104 100
78 38.7 32.2 48.4
103 46.8 37.4 56.0



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





#71

Bromoform

Concen: 51.926 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

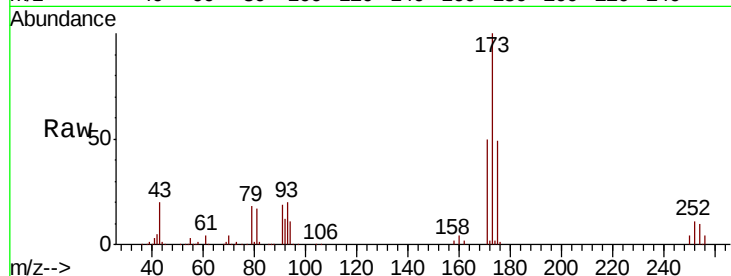
Tgt Ion:173 Resp: 495428

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.4

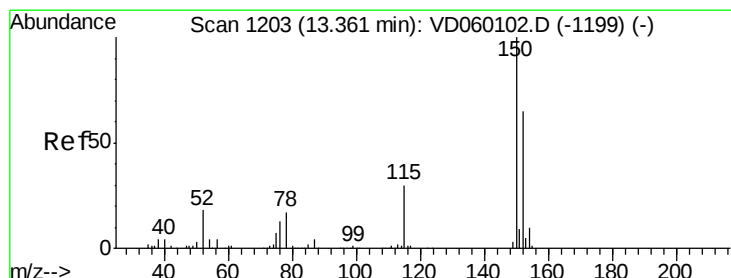
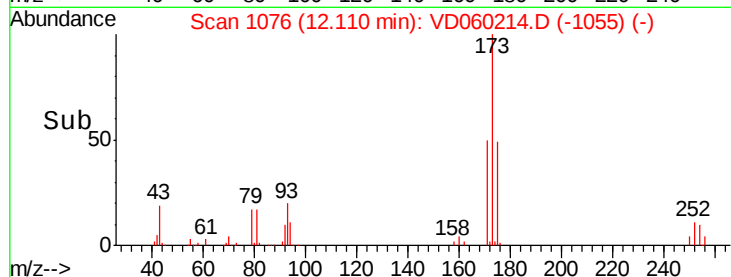
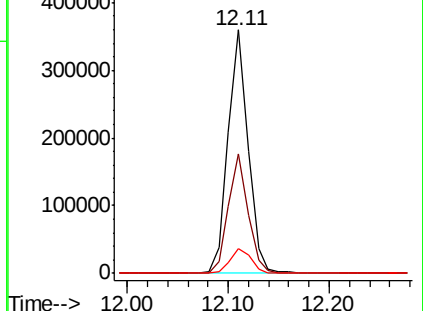
254 10.4 7.4 11.0



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: VD060214.D

Acq: 26 Oct 2018 13:51

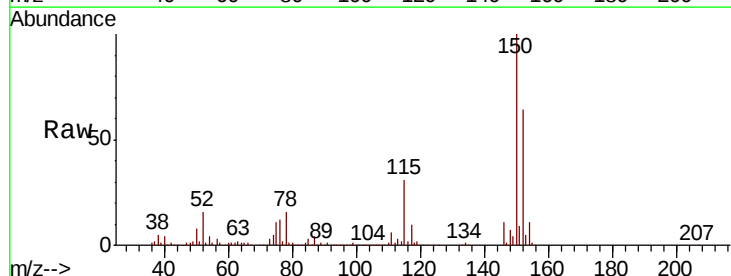
Tgt Ion:152 Resp: 905171

Ion Ratio Lower Upper

152 100

115 49.2 27.1 81.2

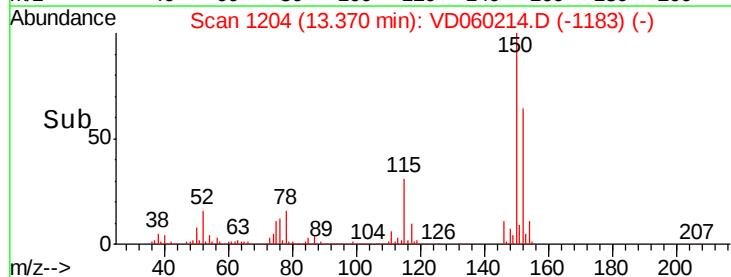
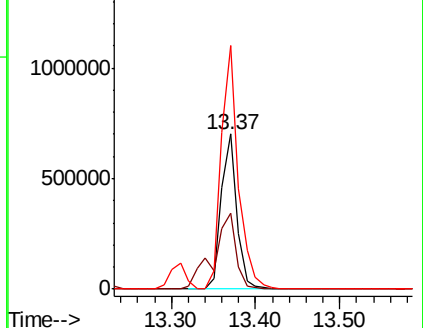
150 157.1 0.0 311.8

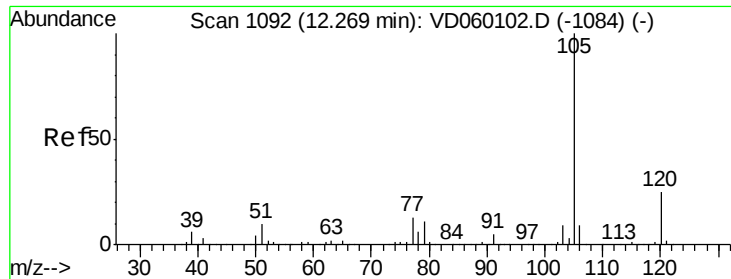


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.890 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

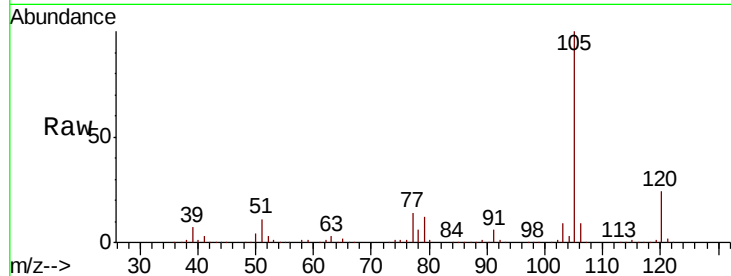
BFB

Tgt Ion:105 Resp: 3038945

Ion Ratio Lower Upper

105 100

120 24.3 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

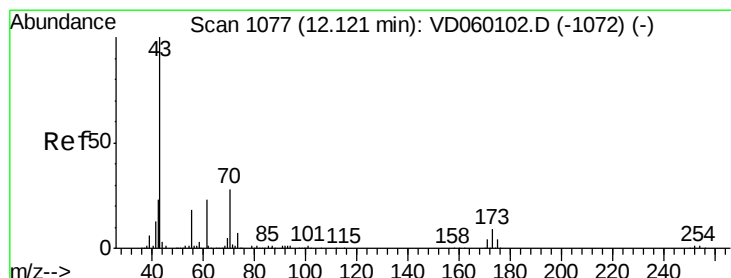
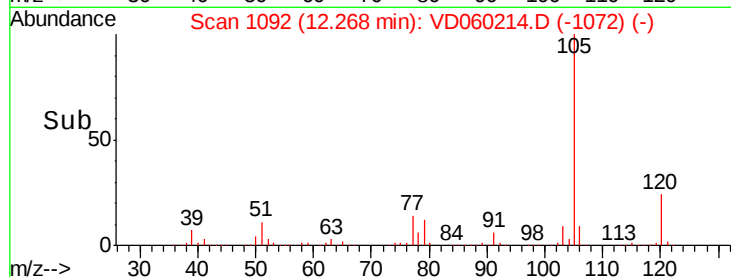
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 46.303 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Tgt Ion: 43 Resp: 1012798

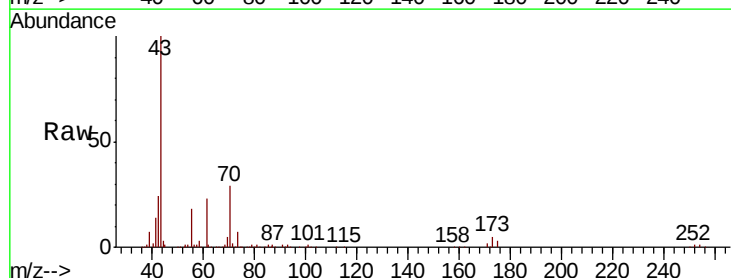
Ion Ratio Lower Upper

43 100

70 28.8 22.1 33.1

55 17.5 14.1 21.1

61 23.2 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

1000000

800000

600000

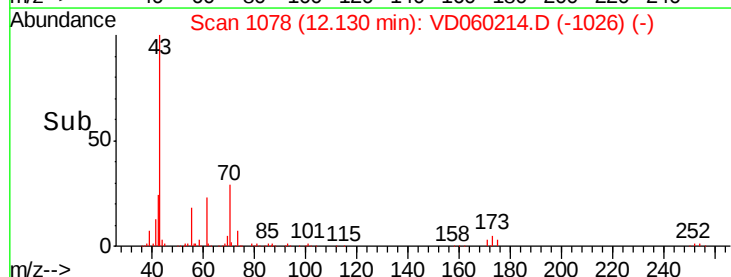
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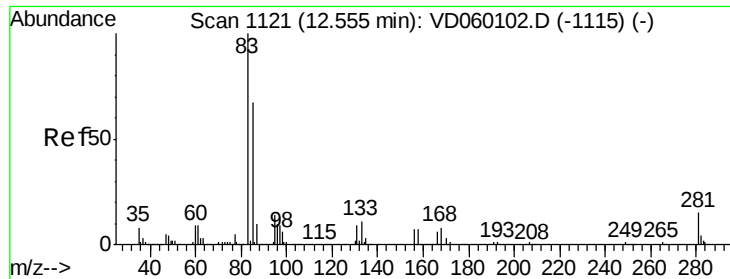
200000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.904 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampled :

BFB

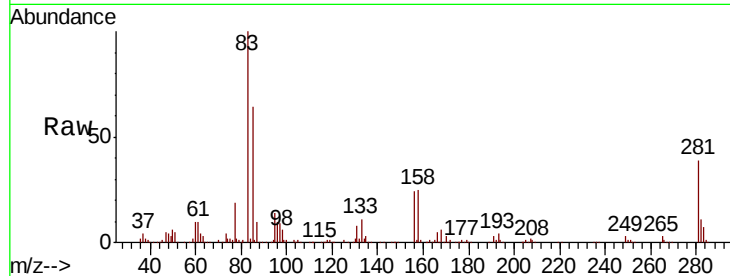
Tgt Ion: 83 Resp: 611482

Ion Ratio Lower Upper

83 100

131 8.1 4.5 13.4

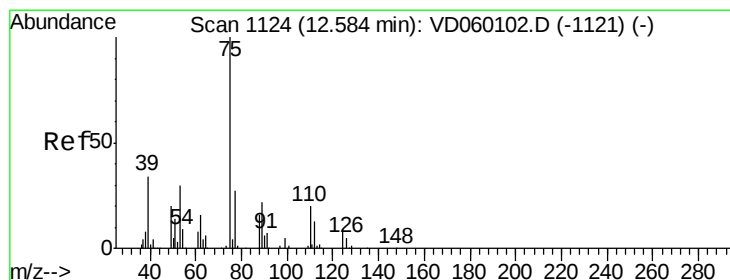
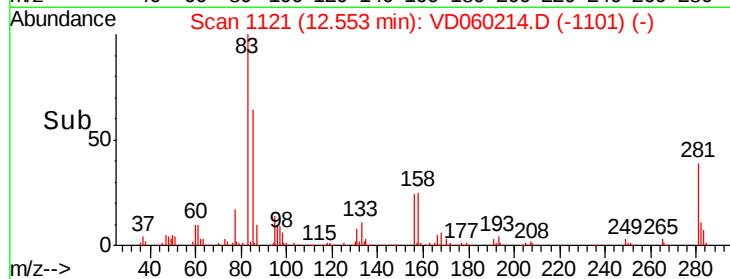
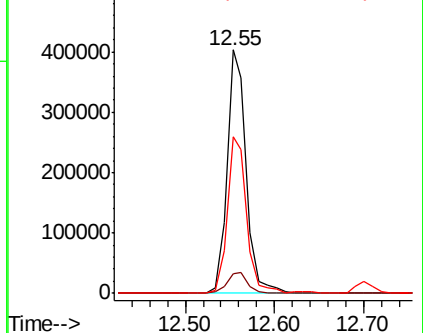
85 64.4 33.3 99.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 47.671 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060214.D

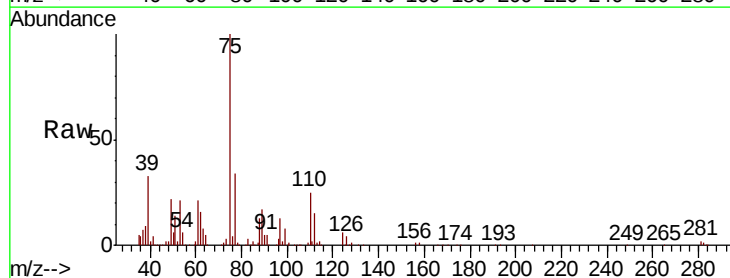
Acq: 26 Oct 2018 13:51

Tgt Ion: 75 Resp: 621416

Ion Ratio Lower Upper

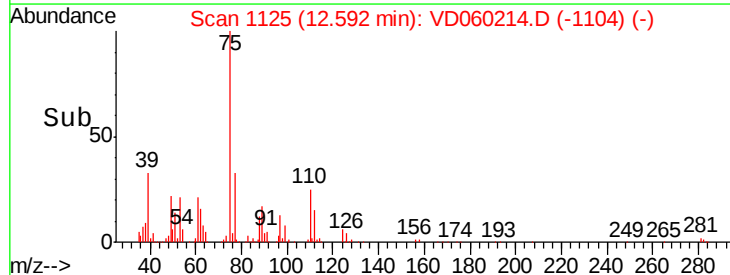
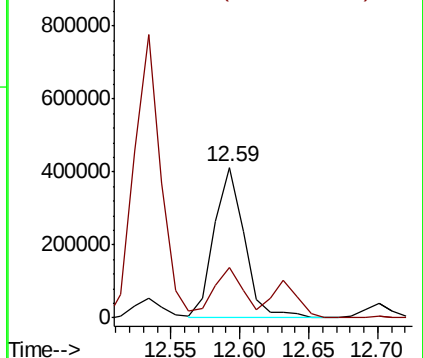
75 100

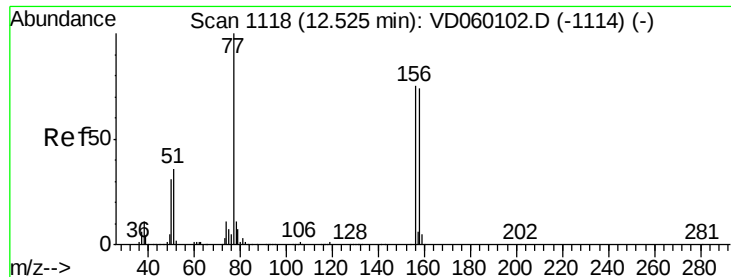
77 33.6 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.445 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

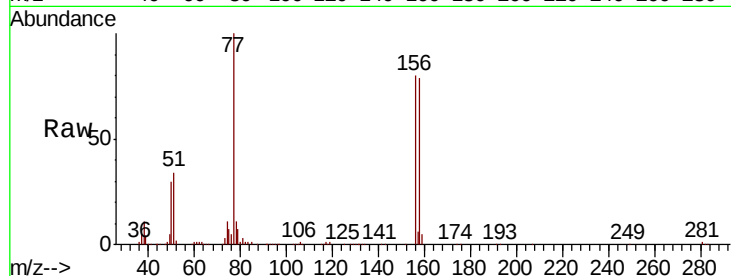
Tgt Ion: 156 Resp: 858014

Ion Ratio Lower Upper

156 100

77 125.1 66.9 200.7

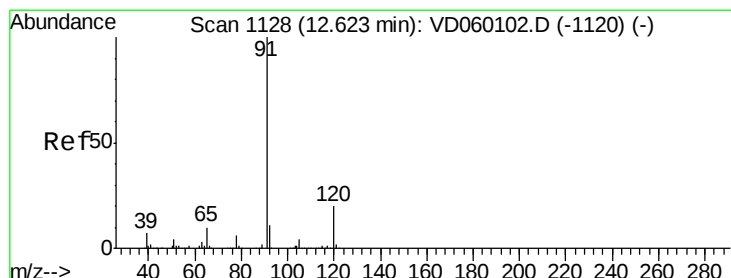
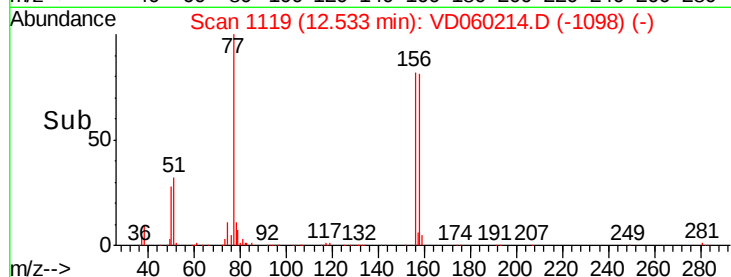
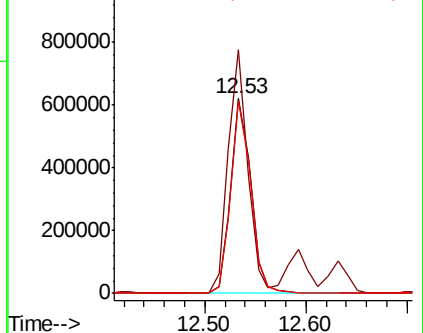
158 98.6 49.1 147.4



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: 51.236 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060214.D

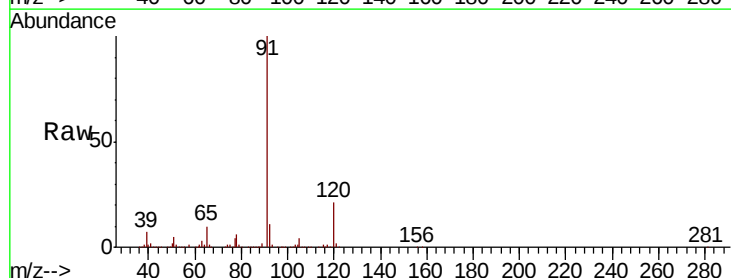
Acq: 26 Oct 2018 13:51

Tgt Ion: 91 Resp: 3799111

Ion Ratio Lower Upper

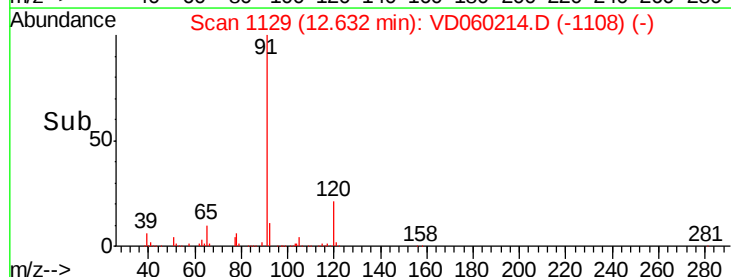
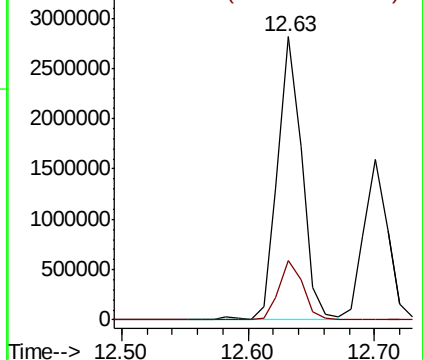
91 100

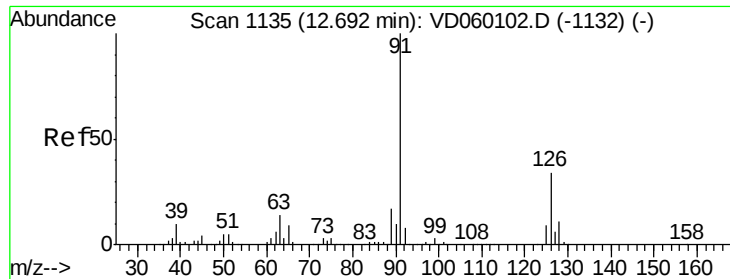
120 20.8 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

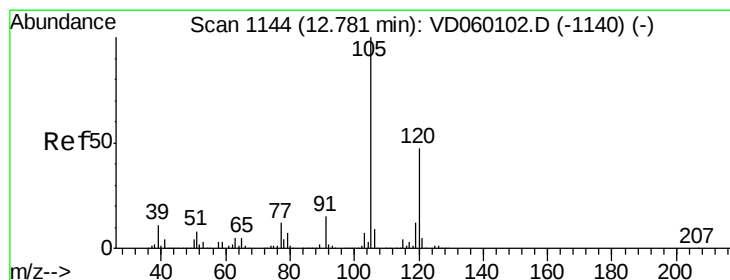
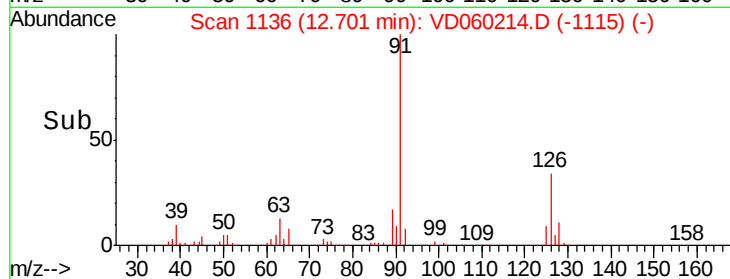
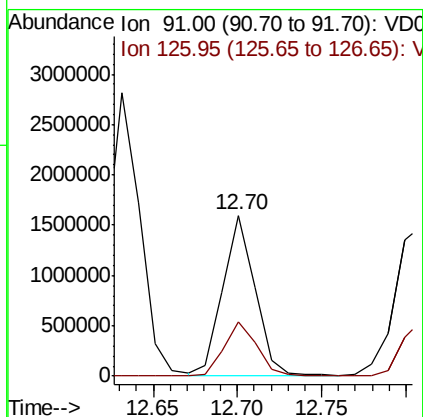
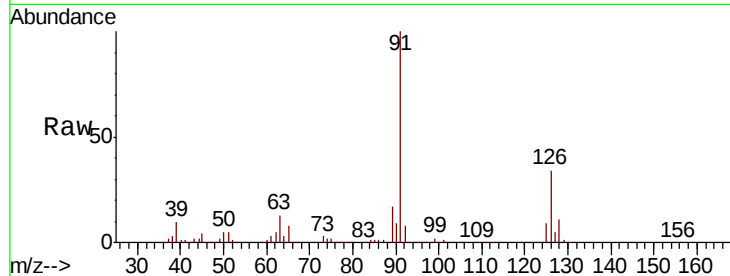




#79
2-Chlorotoluene
Concen: 51.527 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

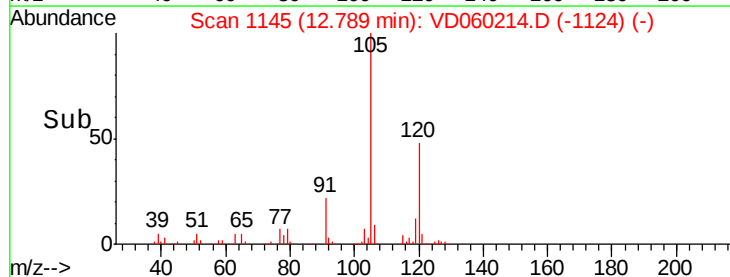
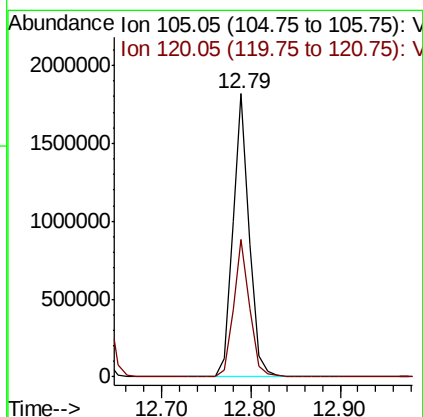
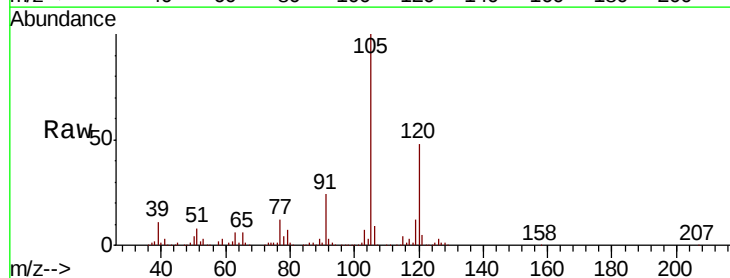
Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 91 Resp: 2120513
Ion Ratio Lower Upper
91 100
126 33.8 16.8 50.3



#80
1,3,5-Trimethylbenzene
Concen: 50.667 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 105 Resp: 2341685
Ion Ratio Lower Upper
105 100
120 48.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 50.879 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

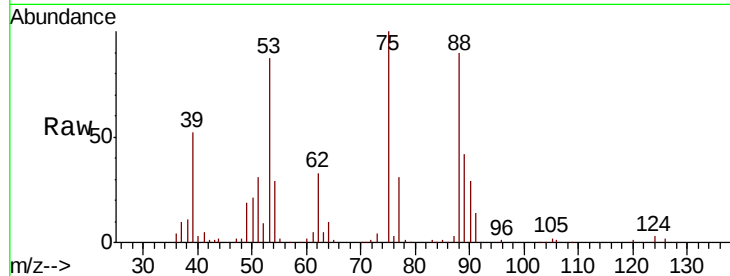
Tgt Ion: 75 Resp: 186362

Ion Ratio Lower Upper

75 100

53 87.1 73.0 109.6

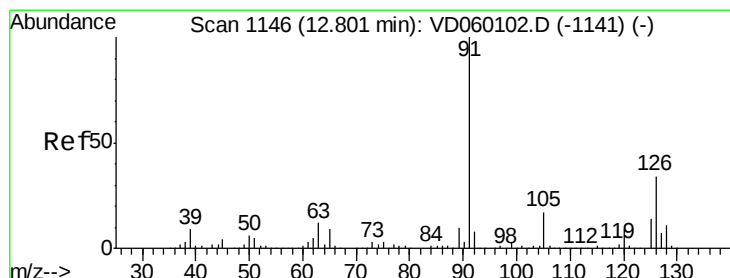
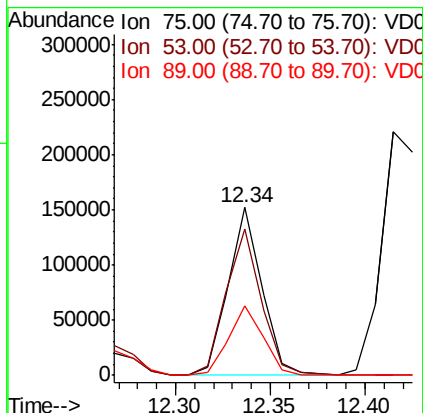
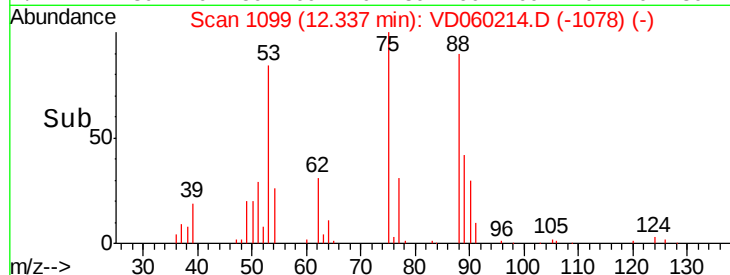
89 41.8 32.0 48.0



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: 51.098 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060214.D

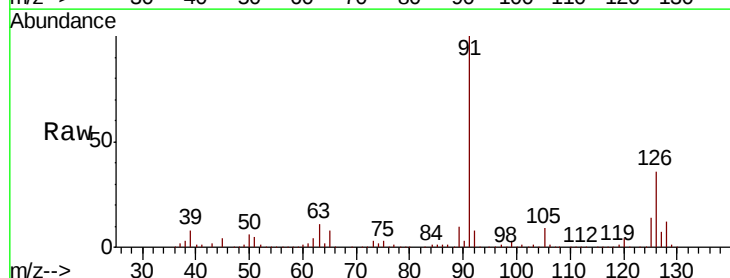
Acq: 26 Oct 2018 13:51

Tgt Ion: 91 Resp: 2378455

Ion Ratio Lower Upper

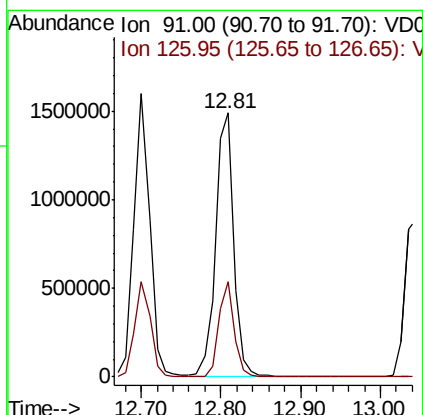
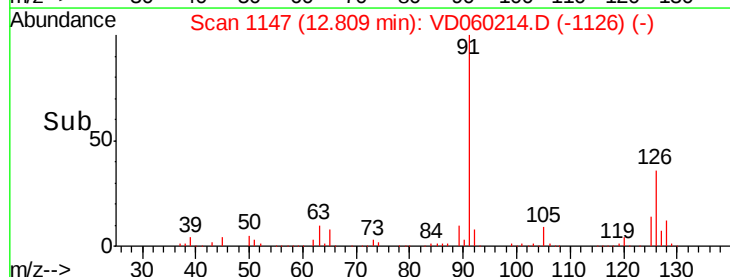
91 100

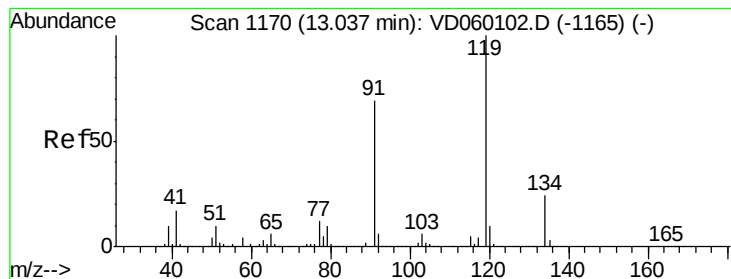
126 35.9 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 49.766 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

BFB

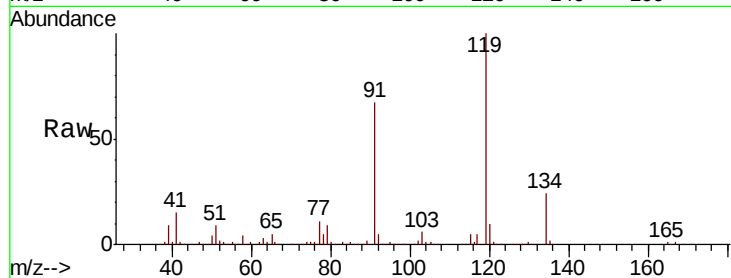
Tgt Ion:119 Resp: 2639427

Ion Ratio Lower Upper

119 100

91 67.0 34.8 104.4

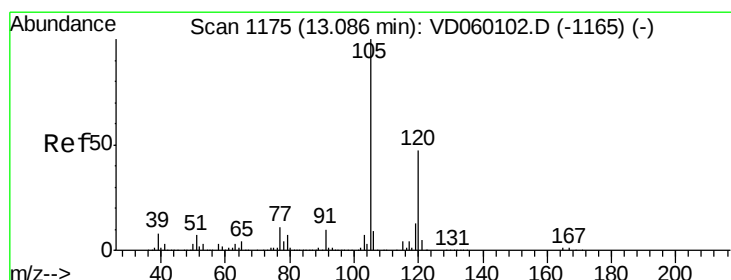
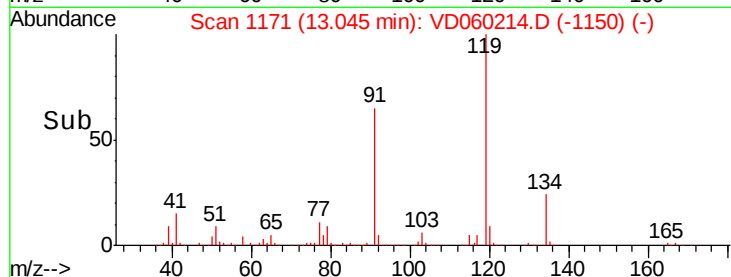
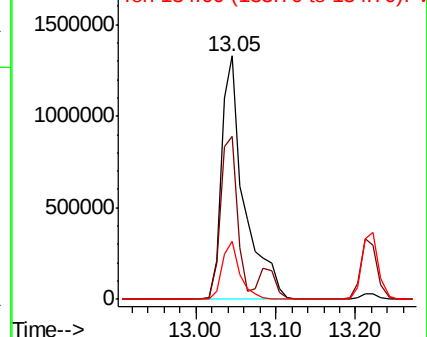
134 24.1 11.8 35.4



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: 49.715 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060214.D

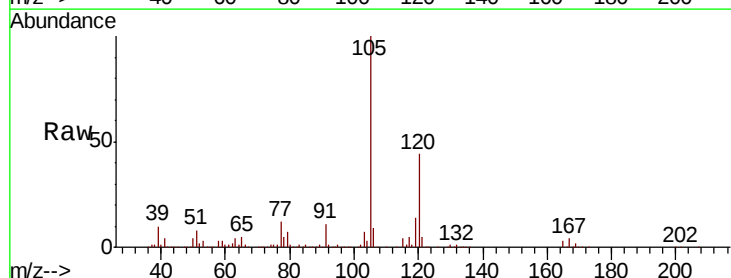
Acq: 26 Oct 2018 13:51

Tgt Ion:105 Resp: 2421622

Ion Ratio Lower Upper

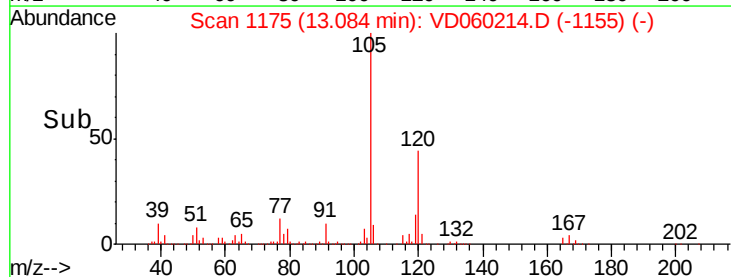
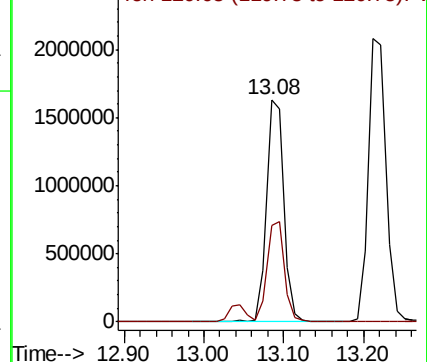
105 100

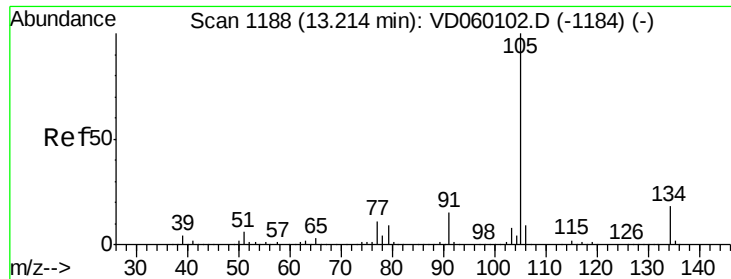
120 43.5 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.077 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

Instrument :

MSVOA_D

ClientSampleId :

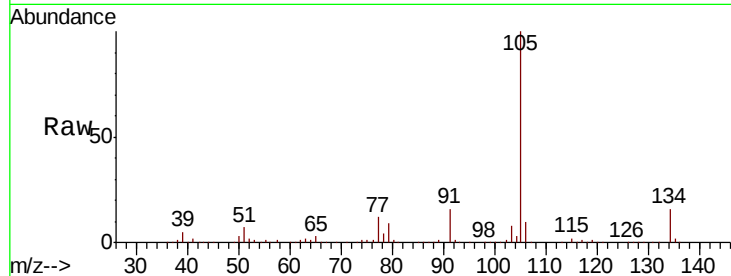
BFB

Tgt Ion:105 Resp: 3140240

Ion Ratio Lower Upper

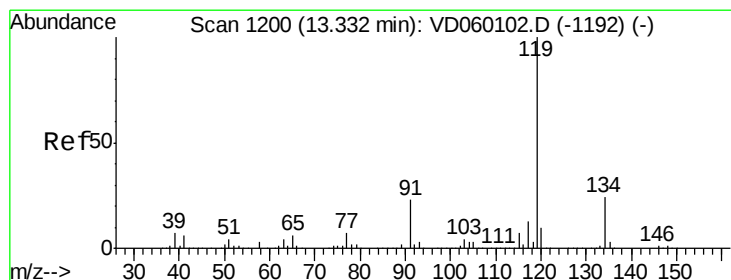
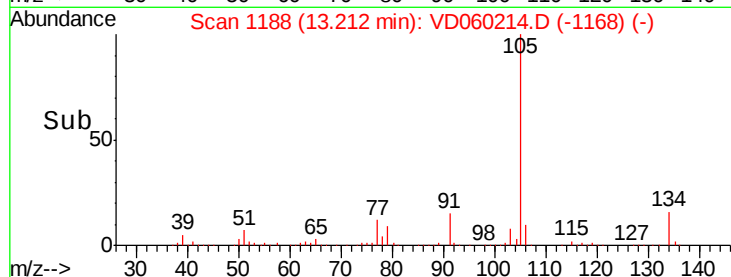
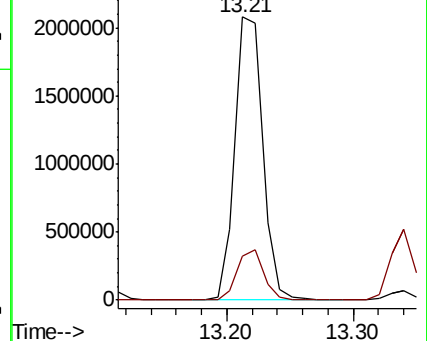
105 100

134 15.8 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.868 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060214.D

Acq: 26 Oct 2018 13:51

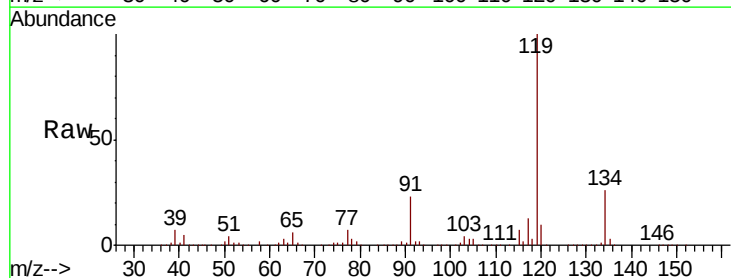
Tgt Ion:119 Resp: 2667790

Ion Ratio Lower Upper

119 100

134 25.6 12.3 36.8

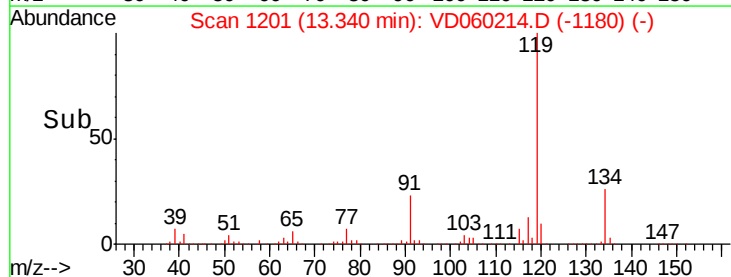
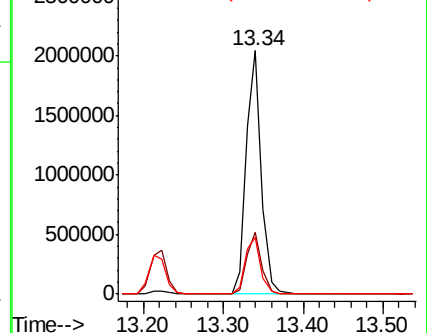
91 23.1 11.8 35.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

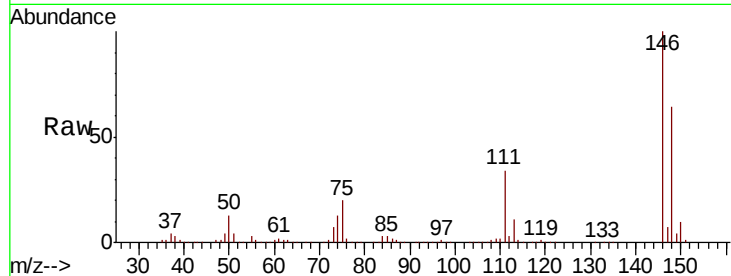




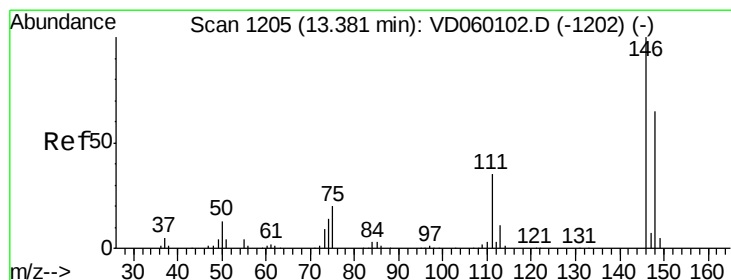
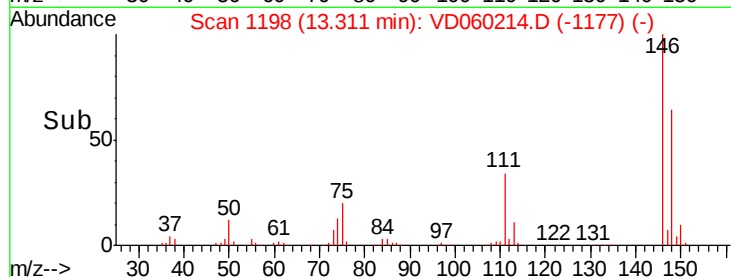
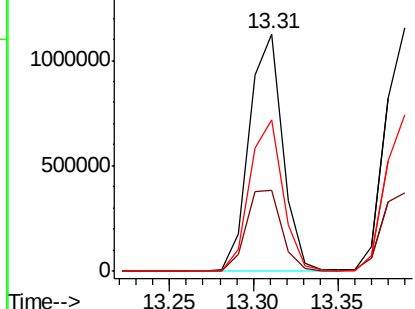
#87
 1,3-Dichlorobenzene
 Concen: 51.279 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tgt Ion:146 Resp: 1550329
 Ion Ratio Lower Upper
 146 100
 111 34.1 18.1 54.3
 148 63.6 32.3 96.9

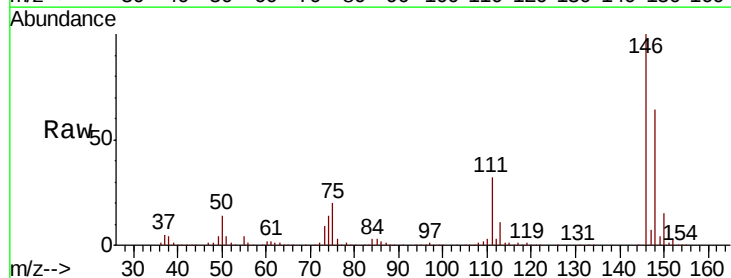


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

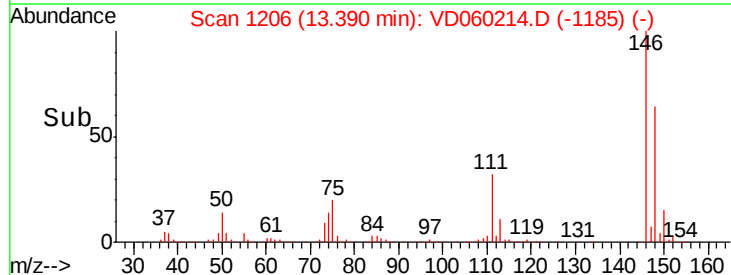
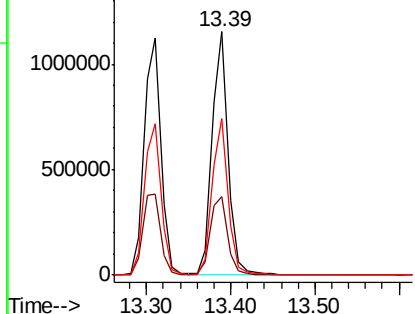


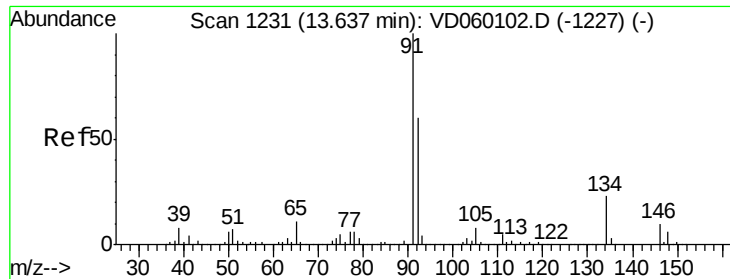
#88
 1,4-Dichlorobenzene
 Concen: 49.939 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion:146 Resp: 1516541
 Ion Ratio Lower Upper
 146 100
 111 32.4 17.8 53.3
 148 64.4 32.4 97.2



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

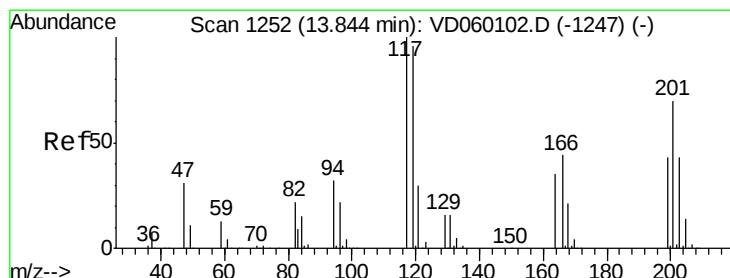
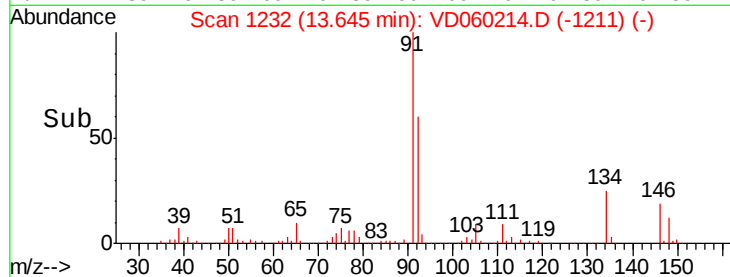
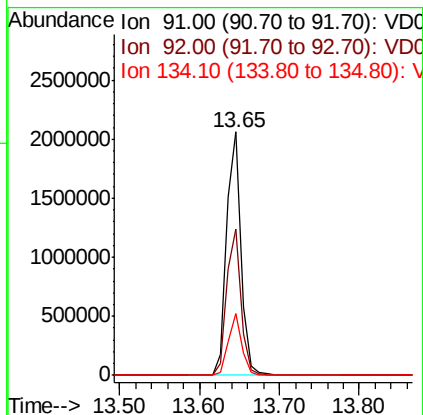
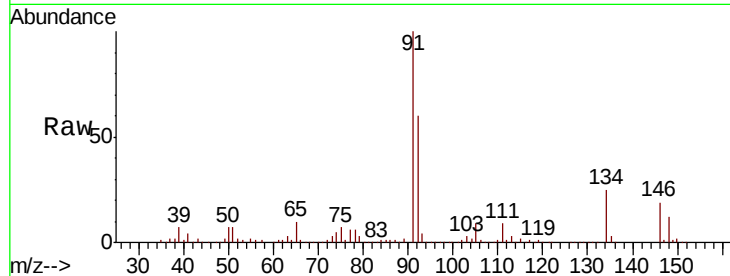




#89
n-Butylbenzene
Concen: 52.510 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

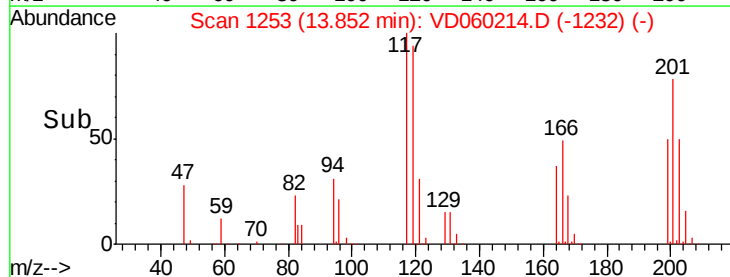
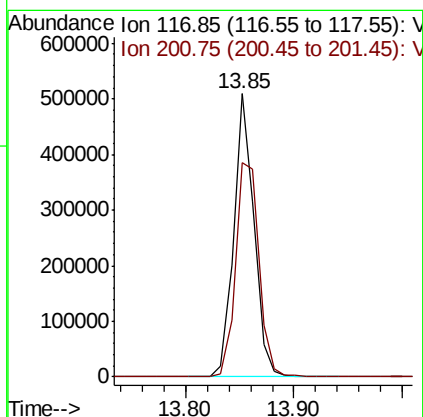
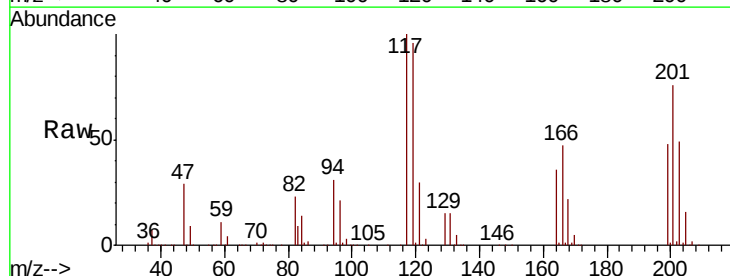
Instrument :
MSVOA_D
ClientSampleId :
BFB

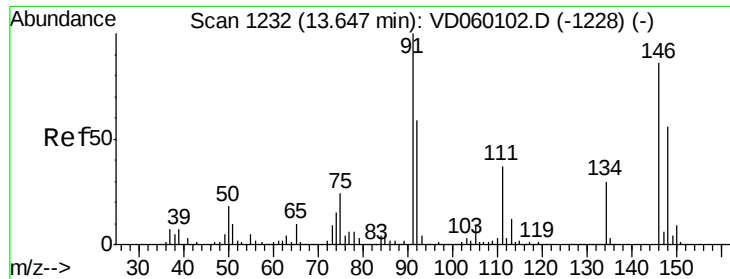
Tgt Ion: 91 Resp: 2635308
Ion Ratio Lower Upper
91 100
92 60.2 30.1 90.3
134 25.2 11.6 34.7



#90
Hexachloroethane
Concen: 55.662 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion: 117 Resp: 662576
Ion Ratio Lower Upper
117 100
201 75.6 34.8 104.5

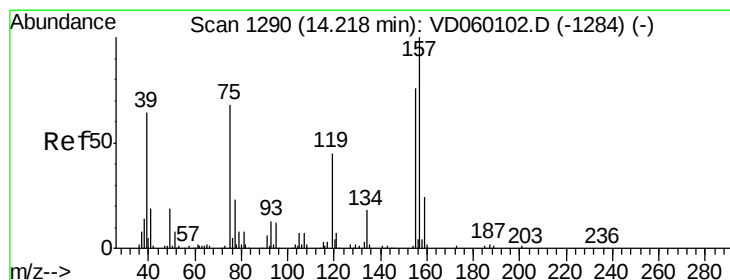
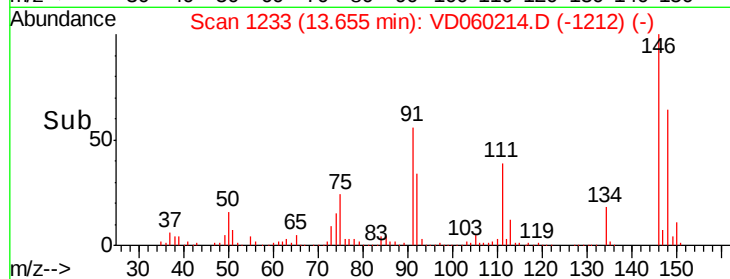
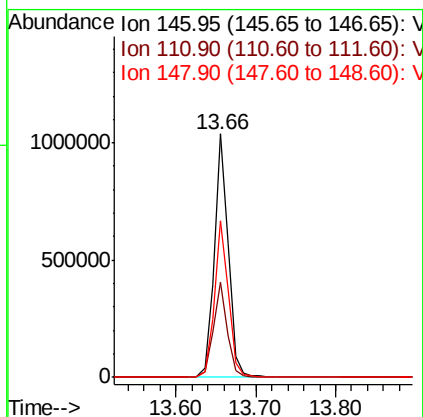
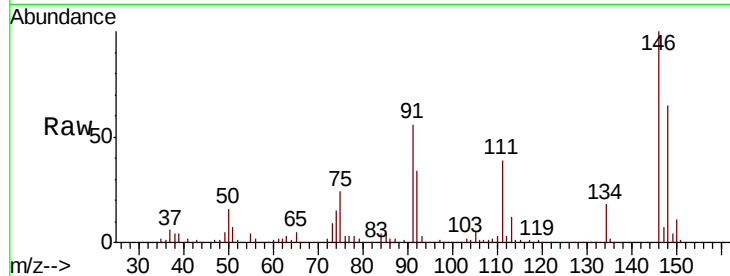




#91
 1,2-Dichlorobenzene
 Concen: 50.461 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

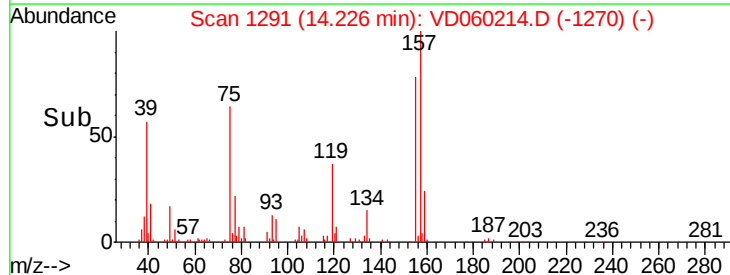
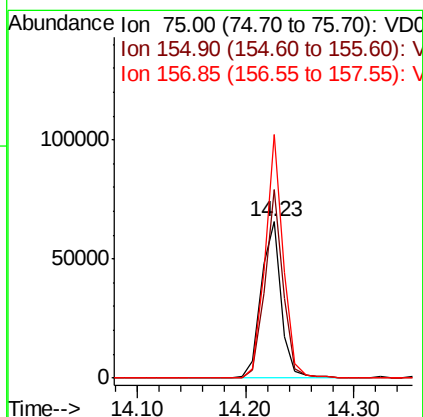
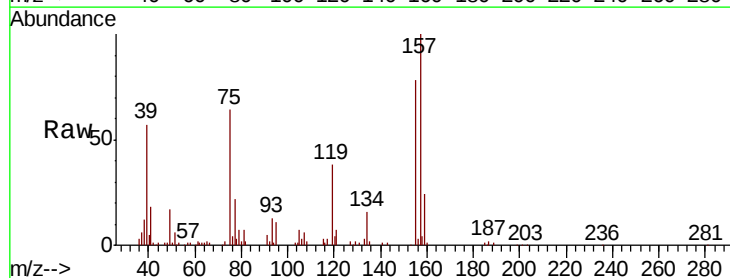
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

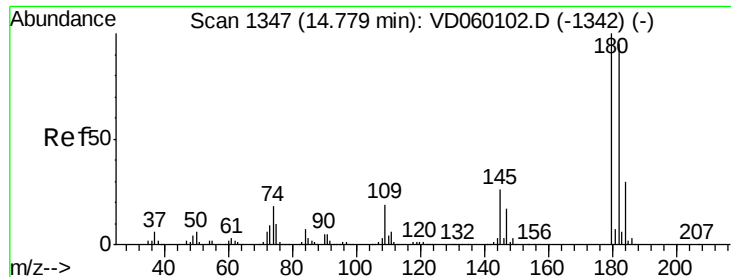
Tgt Ion:146 Resp: 1282779
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.4 64.3
 148 64.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.095 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060214.D
 Acq: 26 Oct 2018 13:51

Tgt Ion: 75 Resp: 85459
 Ion Ratio Lower Upper
 75 100
 155 120.9 55.9 167.7
 157 155.8 73.3 219.8

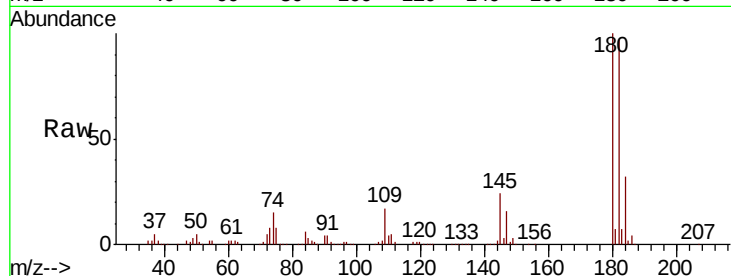




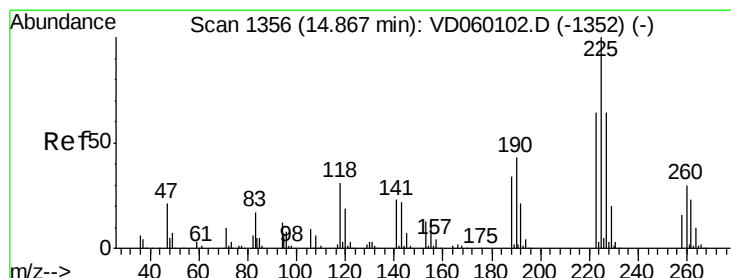
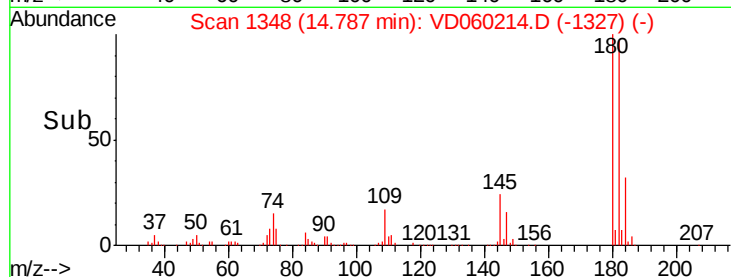
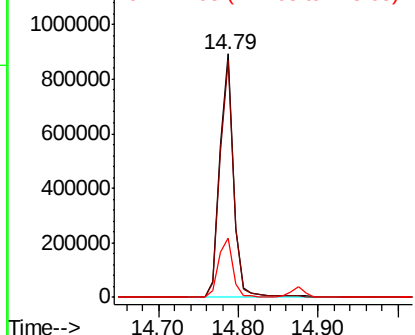
#93
1,2,4-Trichlorobenzene
Concen: 51.115 ug/l
RT: 14.79 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:180 Resp: 1102927
Ion Ratio Lower Upper
180 100
182 97.2 47.3 141.8
145 24.2 13.0 38.9

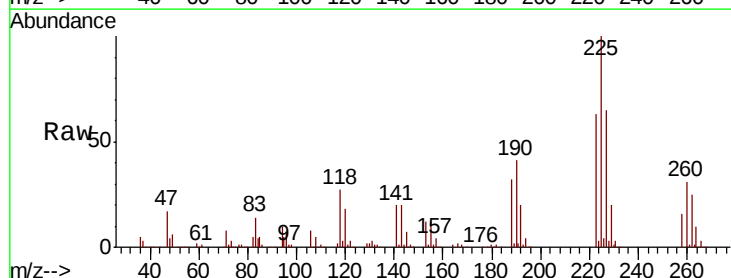


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

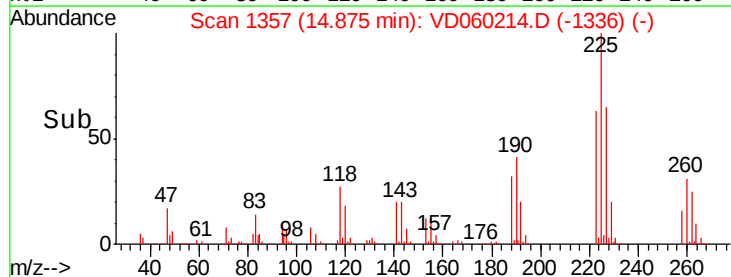
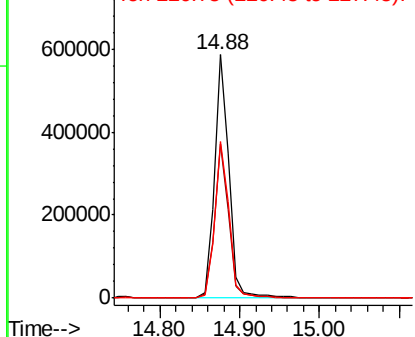


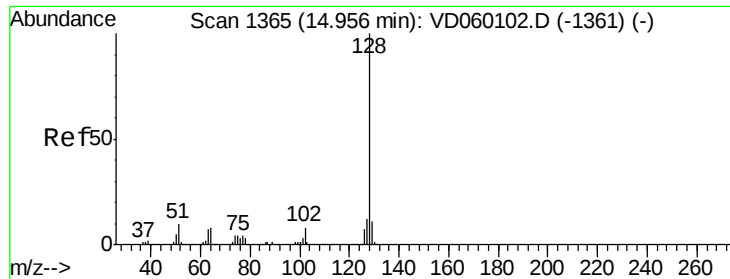
#94
Hexachlorobutadiene
Concen: 52.548 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion:225 Resp: 753682
Ion Ratio Lower Upper
225 100
223 63.4 31.8 95.4
227 64.5 32.0 96.0



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

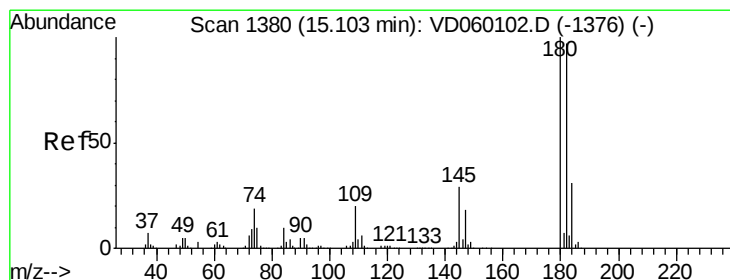
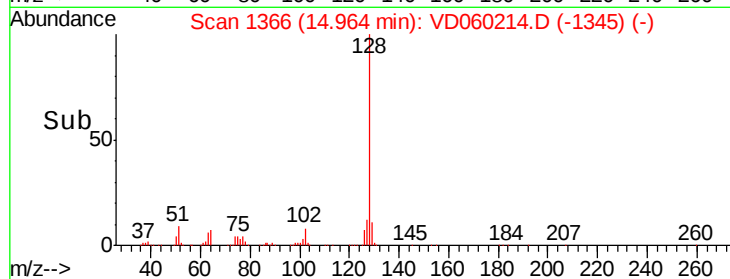
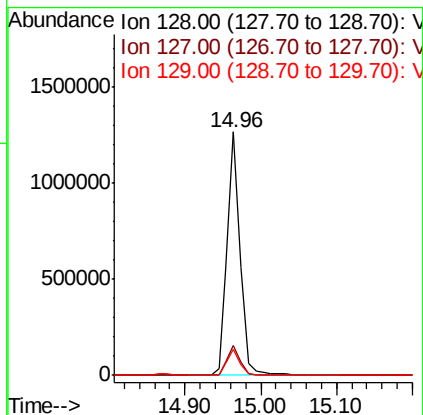
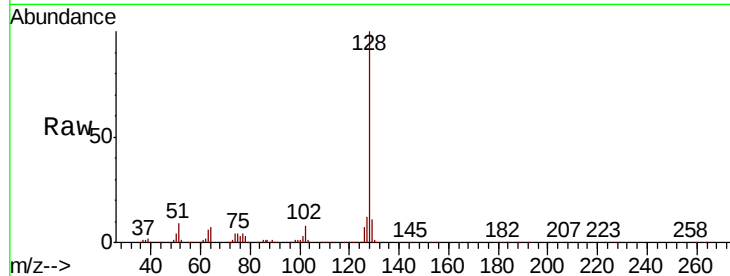




#95
Naphthalene
Concen: 47.236 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:128 Resp: 1510804
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.378 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060214.D
Acq: 26 Oct 2018 13:51

Tgt Ion:180 Resp: 926832
Ion Ratio Lower Upper
180 100
182 97.7 48.4 145.0
145 27.4 14.5 43.6

