

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060723.D
 Acq On : 27 Dec 2018 13:43
 Operator : VA/AP
 Sample : VD1227SBSD01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

Quant Time: Dec 28 01:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1548530	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.40	114	2084363	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.26	117	1710513	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	878346	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.74	65	526814	49.23	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	6.29	113	801012	52.50	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	9.42	98	2272530	49.92	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	826495	51.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	345937	17.484	ug/l	99
3) Chloromethane	1.75	50	320841	17.619	ug/l	98
4) Vinyl Chloride	1.84	62	261478	18.086	ug/l	100
5) Bromomethane	2.13	94	39575	12.220	ug/l	92
6) Chloroethane	2.25	64	67129	15.559	ug/l	95
7) Trichlorofluoromethane	2.49	101	291364	18.119	ug/l	99
8) Diethyl Ether	2.81	74	50508	18.773	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.06	101	192344	18.440	ug/l	99
10) Methyl Iodide	3.22	142	196153	17.893	ug/l	98
11) Tert butyl alcohol	3.94	59	44097	98.599	ug/l	97
12) 1,1-Dichloroethene	3.05	96	161236	18.812	ug/l	95
13) Acrolein	2.96	56	41156	90.303	ug/l	98
14) Allyl chloride	3.50	41	302014	19.204	ug/l	99
15) Acrylonitrile	4.06	53	257498	99.171	ug/l	95
16) Acetone	3.13	43	175768	94.051	ug/l	94
17) Carbon Disulfide	3.29	76	477105	17.431	ug/l	98
18) Methyl Acetate	3.52	43	82844	17.887	ug/l #	92
19) Methyl tert-butyl Ether	4.09	73	443086	20.377	ug/l	98
20) Methylene Chloride	3.69	84	342415	17.643	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	329289	18.760	ug/l	97
22) Diisopropyl ether	4.81	45	1067380	19.990	ug/l	96
23) Vinyl Acetate	4.76	43	2601807	100.715	ug/l	98
24) 1,1-Dichloroethane	4.72	63	551512	19.636	ug/l	99
25) 2-Butanone	5.58	43	360470	100.797	ug/l	100
26) 2,2-Dichloropropane	5.55	77	431197	19.449	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	350051	19.646	ug/l	98
28) Bromochloromethane	5.89	49	182548	15.385	ug/l	98
29) Tetrahydrofuran	5.92	42	195963	96.660	ug/l	99
30) Chloroform	6.06	83	560865	19.846	ug/l	96
31) Cyclohexane	6.33	56	515755	19.082	ug/l	98
32) 1,1,1-Trichloroethane	6.25	97	460085	19.677	ug/l	96
36) 1,1-Dichloropropene	6.49	75	427208	19.904	ug/l	98
37) Ethyl Acetate	5.66	43	180229	20.078	ug/l	97
38) Carbon Tetrachloride	6.46	117	386191	20.395	ug/l	99

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 Data File : VD060723.D
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 Sample : VD1227SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1227SBS01

Quant Time: Dec 28 01:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.00	83	465111	19.000	ug/l	99
40) Benzene	6.75	78	1096679	19.781	ug/l	100
41) Methacrylonitrile	5.92	41	204240	41.134	ug/l #	73
42) 1,2-Dichloroethane	6.86	62	271193	19.711	ug/l	98
43) Isopropyl Acetate	8.32	43	230296	19.992	ug/l #	98
44) Trichloroethene	7.71	130	340901	20.775	ug/l	99
45) 1,2-Dichloropropane	8.06	63	268086	19.718	ug/l	98
46) Dibromomethane	8.18	93	155885	20.089	ug/l	97
47) Bromodichloromethane	8.45	83	375825	20.448	ug/l	99
48) Methyl methacrylate	8.21	41	137951	19.717	ug/l	96
49) 1,4-Dioxane	8.19	88	25636	394.083	ug/l #	89
51) 4-Methyl-2-Pentanone	9.31	43	720196	102.046	ug/l	100
52) Toluene	9.52	92	707523	20.357	ug/l	99
53) t-1,3-Dichloropropene	9.88	75	309383	20.177	ug/l	98
54) cis-1,3-Dichloropropene	9.06	75	410116	20.434	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	195124	20.866	ug/l	97
56) Ethyl methacrylate	10.00	69	175038	20.152	ug/l	98
57) 1,3-Dichloropropane	10.35	76	296345	19.993	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.89	63	516105	100.844	ug/l	95
59) 2-Hexanone	10.46	43	518367	104.932	ug/l	99
60) Dibromochloromethane	10.61	129	251383	21.105	ug/l	98
61) 1,2-Dibromoethane	10.73	107	195183	20.123	ug/l	99
64) Tetrachloroethene	10.22	164	310872	20.052	ug/l	98
65) Chlorobenzene	11.29	112	760201	20.116	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.40	131	251395	20.689	ug/l	99
67) Ethyl Benzene	11.41	91	1304122	20.150	ug/l	99
68) m/p-Xylenes	11.54	106	988825	41.806	ug/l	97
69) o-Xylene	11.91	106	461555	20.568	ug/l	87
70) Styrene	11.93	104	756268	20.925	ug/l	96
71) Bromoform	12.10	173	158420	19.751	ug/l	99
73) Isopropylbenzene	12.25	105	1303192	20.839	ug/l	100
74) N-amyl acetate	12.12	43	292609	19.825	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.54	83	209320	20.650	ug/l	100
76) 1,2,3-Trichloropropane	12.58	75	200003	20.001	ug/l	100
77) Bromobenzene	12.52	156	345673	20.937	ug/l	97
78) n-propylbenzene	12.62	91	1697726	21.235	ug/l	99
79) 2-Chlorotoluene	12.69	91	917556	21.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.77	105	1047513	21.692	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.32	75	55030	19.915	ug/l	95
82) 4-Chlorotoluene	12.78	91	1038614	21.399	ug/l	100
83) tert-Butylbenzene	13.03	119	1156038	21.035	ug/l	98
84) 1,2,4-Trimethylbenzene	13.07	105	1063474	21.382	ug/l	98
85) sec-Butylbenzene	13.20	105	1398923	20.872	ug/l	99
86) p-Isopropyltoluene	13.33	119	1145826	21.179	ug/l	100
87) 1,3-Dichlorobenzene	13.30	146	621681	20.511	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	616568	20.644	ug/l	98
89) n-Butylbenzene	13.63	91	1173423	21.224	ug/l	99
90) Hexachloroethane	13.84	117	280003	21.067	ug/l	88
91) 1,2-Dichlorobenzene	13.64	146	514799	21.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.21	75	22179	18.625	ug/l #	45

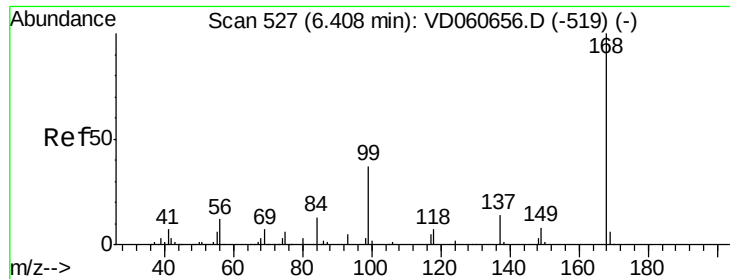
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
Data File : VD060723.D
Acq On : 27 Dec 2018 13:43
Operator : VA/AP
Sample : VD1227SBSD01
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Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Quant Time: Dec 28 01:36:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	407242	21.050	ug/l	98
94) Hexachlorobutadiene	14.86	225	314282	21.978	ug/l	98
95) Naphthalene	14.95	128	455609	19.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	327040	21.625	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

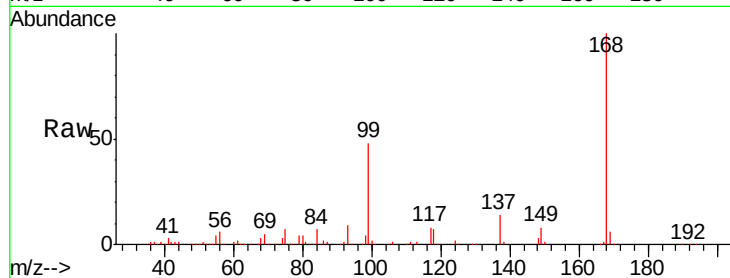
VD1227SBS01

Tgt Ion:168 Resp: 1548530

Ion Ratio Lower Upper

168 100

99 47.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

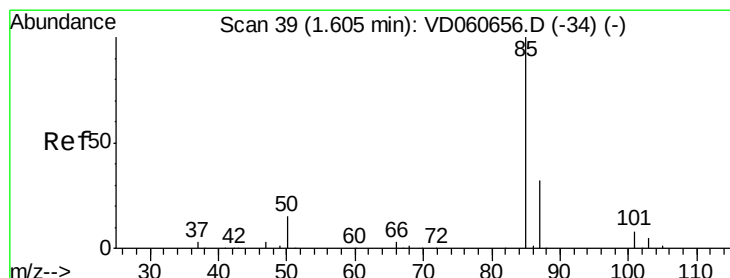
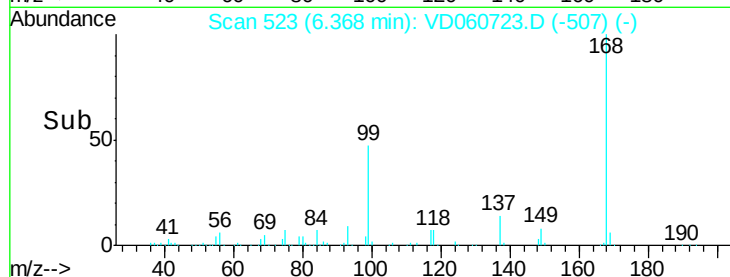
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.484 ug/l

RT: 1.59 min Scan# 37

Delta R.T. -0.02 min

Lab File: VD060723.D

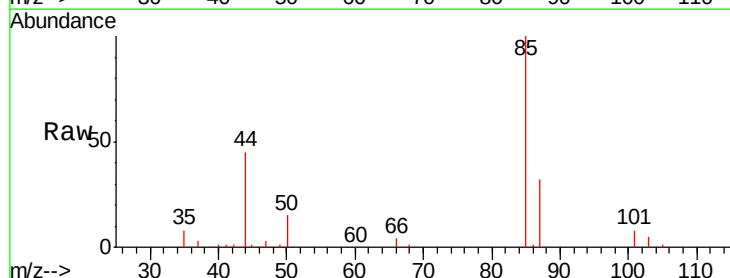
Acq: 27 Dec 2018 13:43

Tgt Ion: 85 Resp: 345937

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

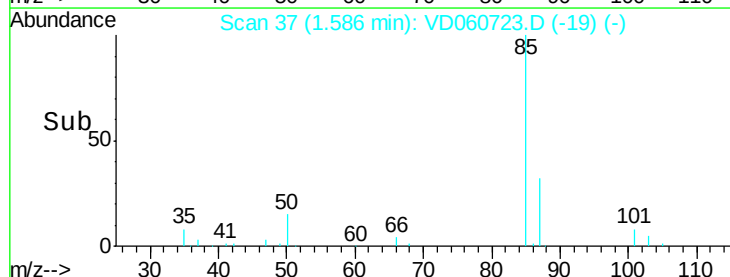
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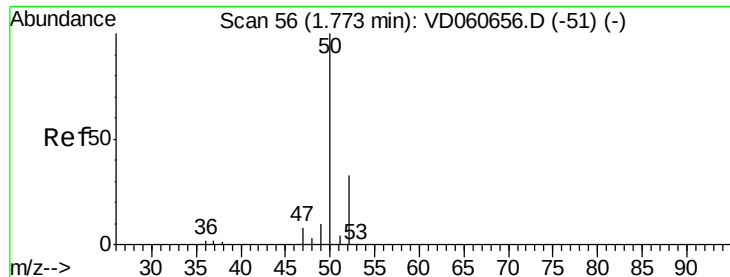
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.619 ug/l

RT: 1.75 min Scan# 54

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

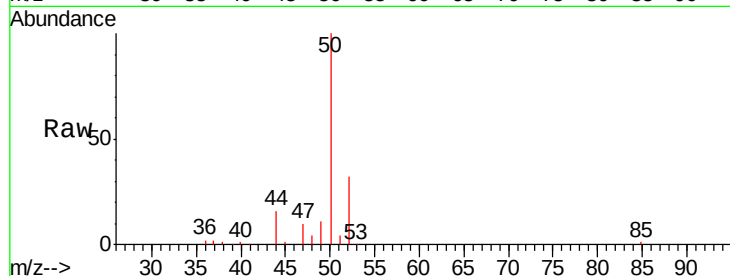
VD1227SBS01

Tgt Ion: 50 Resp: 320841

Ion Ratio Lower Upper

50 100

52 32.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

100000

80000

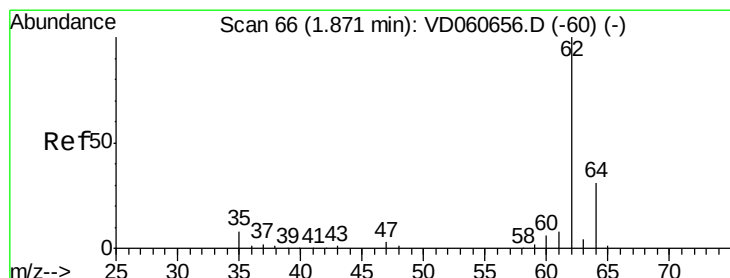
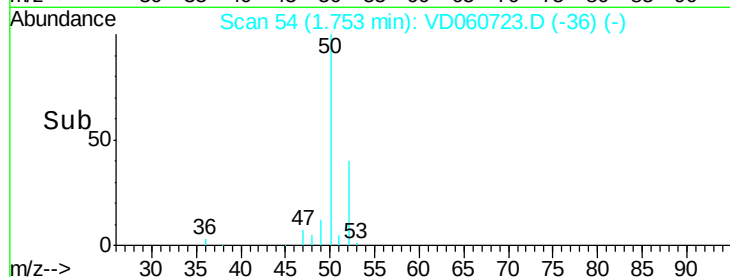
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 18.086 ug/l

RT: 1.84 min Scan# 63

Delta R.T. -0.03 min

Lab File: VD060723.D

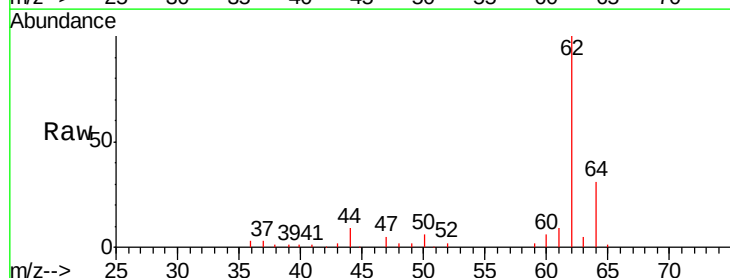
Acq: 27 Dec 2018 13:43

Tgt Ion: 62 Resp: 261478

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

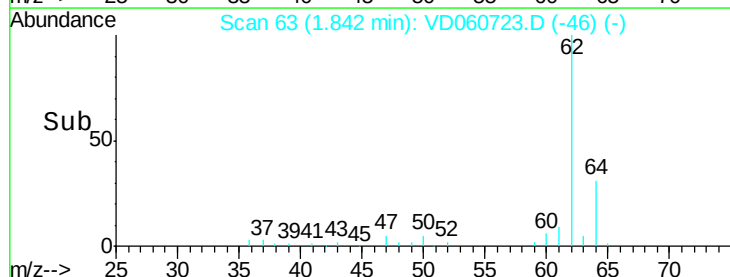
1.84

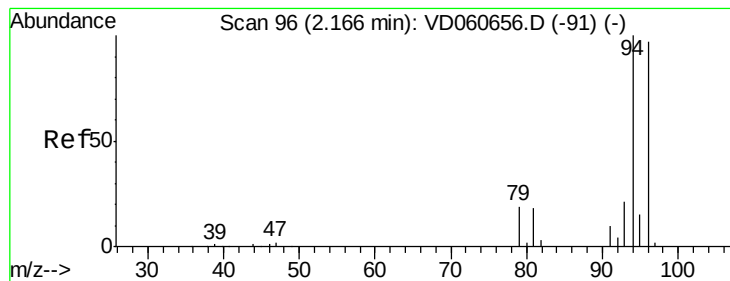
100000

50000

0

Time--> 1.70 1.80 1.90 2.00 2.10





#5

Bromomethane

Concen: 12.220 ug/l

RT: 2.13 min Scan# 92

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

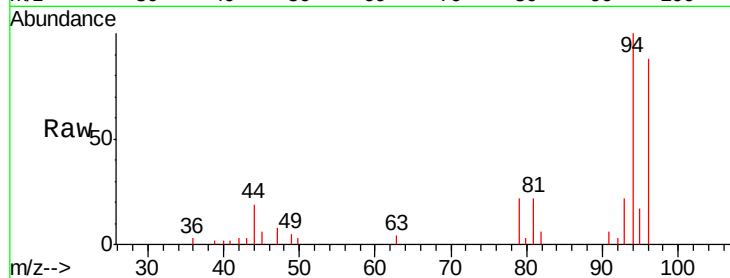
VD1227SBSD01

Tgt Ion: 94 Resp: 39575

Ion Ratio Lower Upper

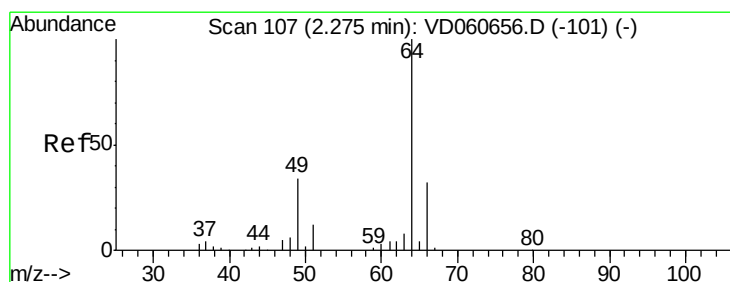
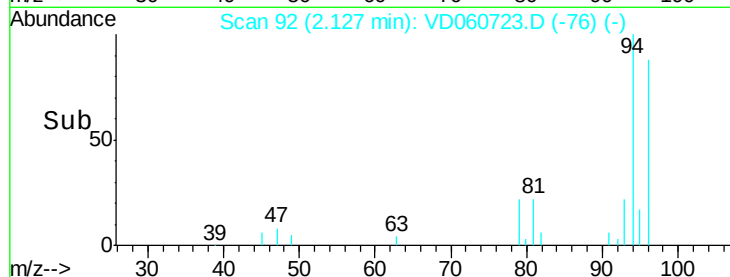
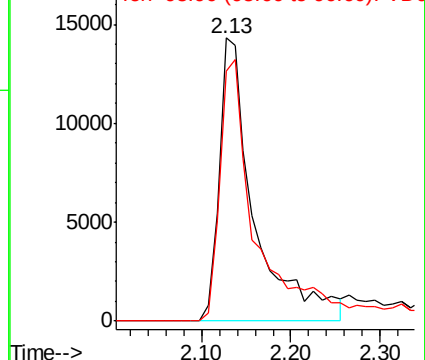
94 100

96 88.2 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.559 ug/l

RT: 2.25 min Scan# 104

Delta R.T. -0.03 min

Lab File: VD060723.D

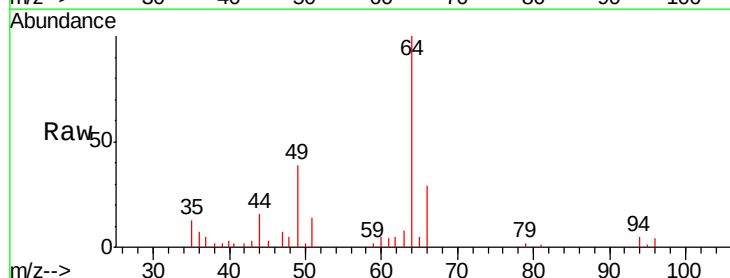
Acq: 27 Dec 2018 13:43

Tgt Ion: 64 Resp: 67129

Ion Ratio Lower Upper

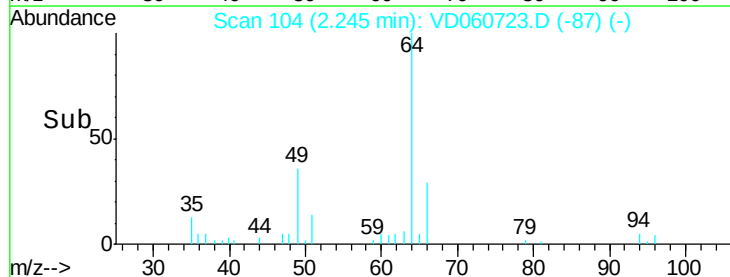
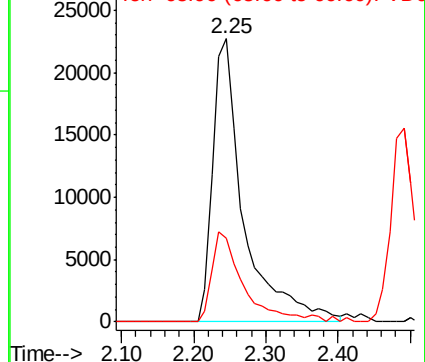
64 100

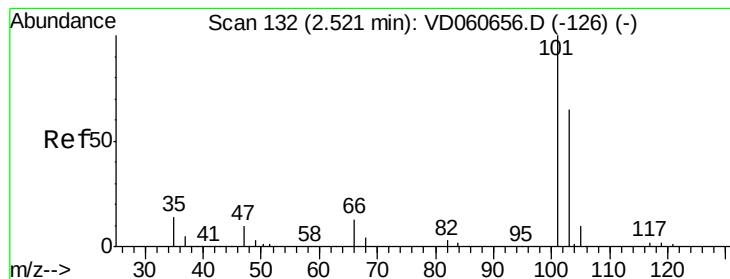
66 29.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



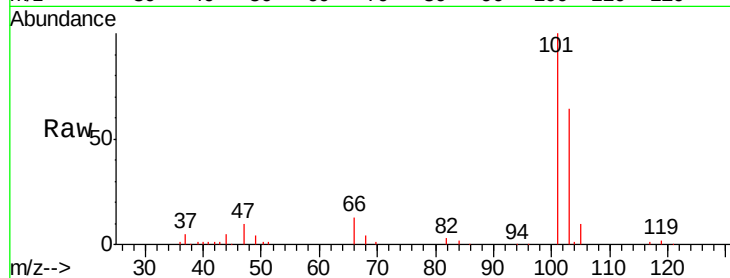


#7

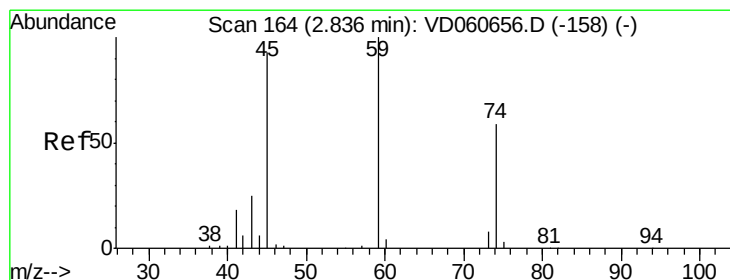
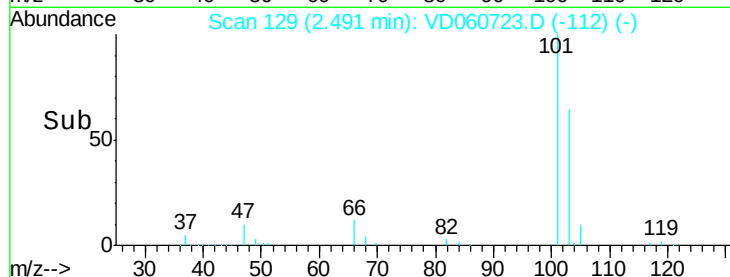
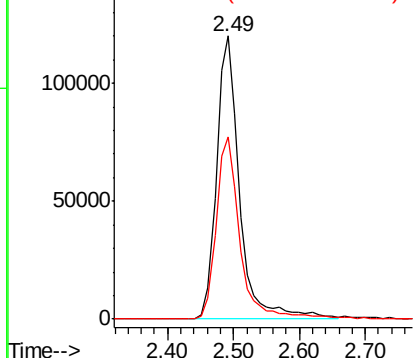
Trichlorofluoromethane
 Concen: 18.119 ug/l
 RT: 2.49 min Scan# 129
 Delta R.T. -0.03 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

Tgt Ion: 101 Resp: 291364
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.9 77.9



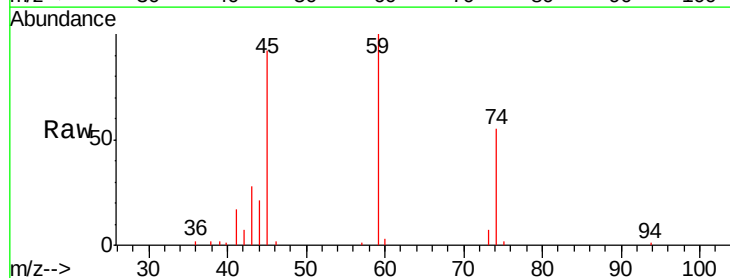
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



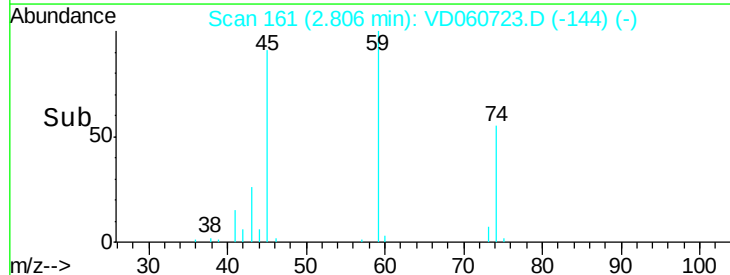
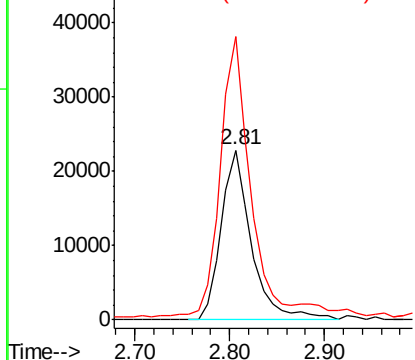
#8

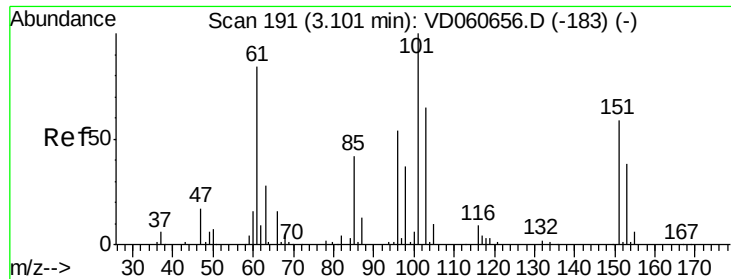
Diethyl Ether
 Concen: 18.773 ug/l
 RT: 2.81 min Scan# 161
 Delta R.T. -0.03 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion: 74 Resp: 50508
 Ion Ratio Lower Upper
 74 100
 45 166.6 79.3 238.1



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: 18.440 ug/l

RT: 3.06 min Scan# 187

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

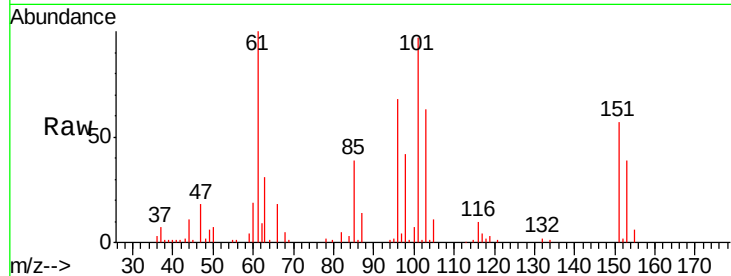
Tgt Ion:101 Resp: 192344

Ion Ratio Lower Upper

101 100

85 40.5 33.4 50.0

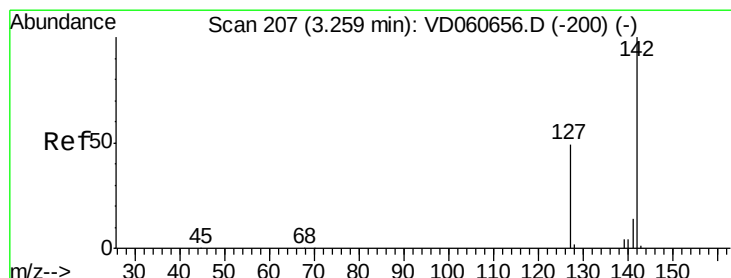
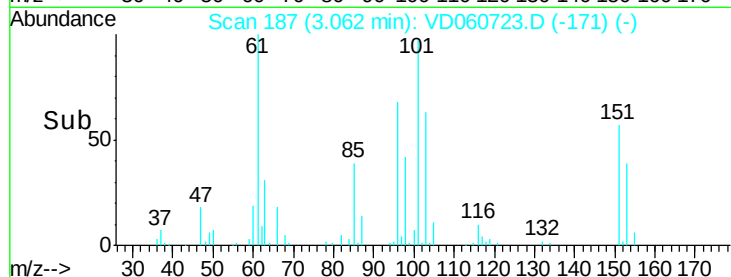
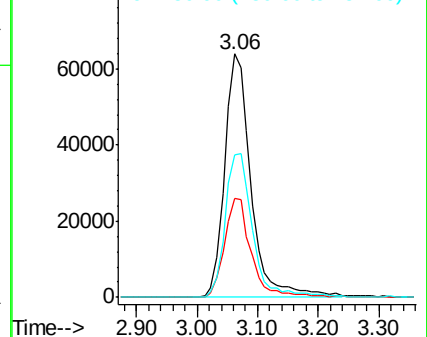
151 58.6 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.893 ug/l

RT: 3.22 min Scan# 203

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

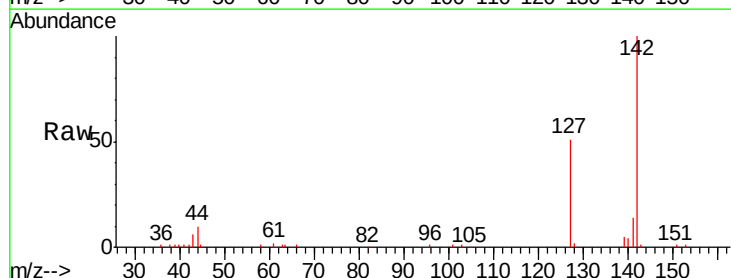
Tgt Ion:142 Resp: 196153

Ion Ratio Lower Upper

142 100

127 50.6 39.5 59.3

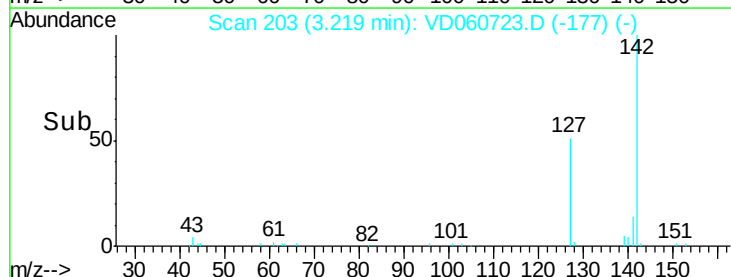
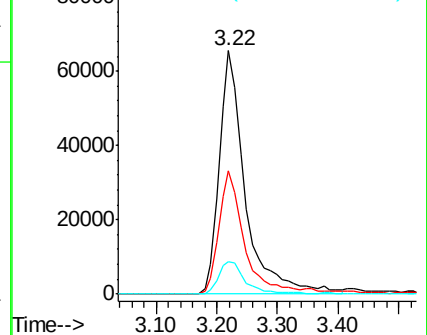
141 13.6 11.3 16.9

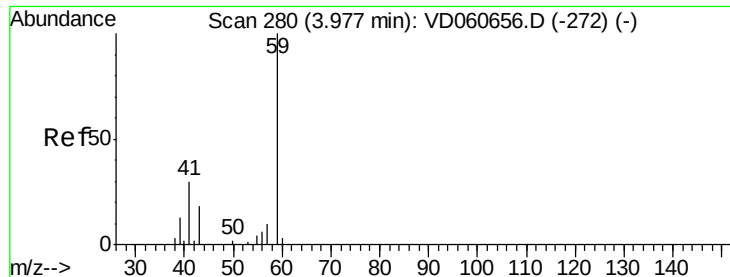


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



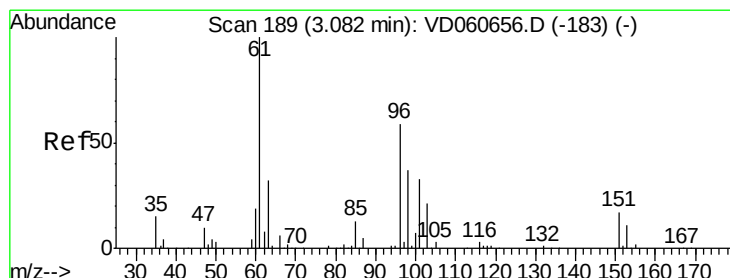
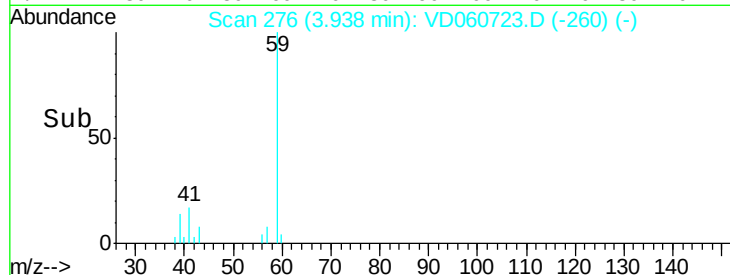
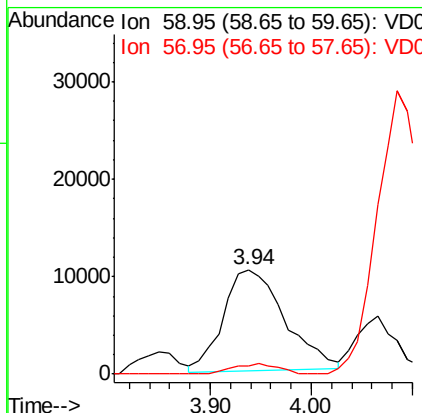
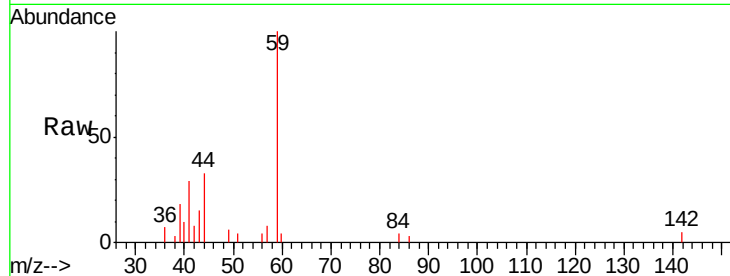


#11

Tert butyl alcohol
 Concen: 98.599 ug/l
 RT: 3.94 min Scan# 276
 Delta R.T. -0.04 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

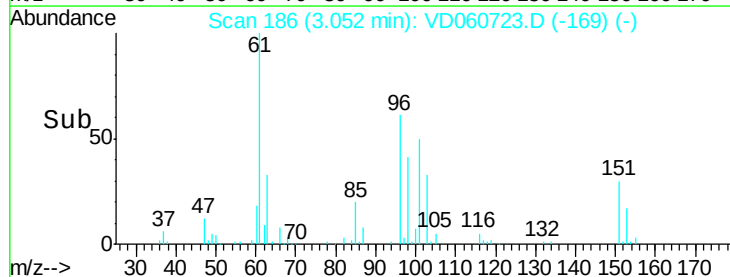
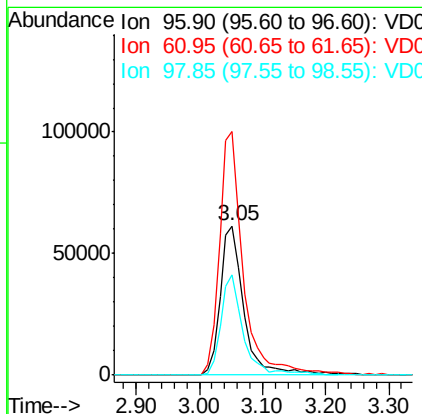
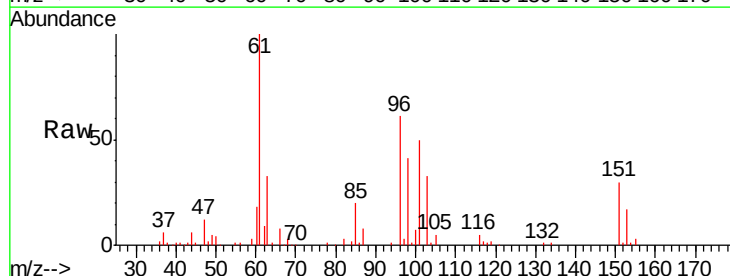
Tgt Ion: 59 Resp: 44097
 Ion Ratio Lower Upper
 59 100
 57 8.4 7.8 11.6

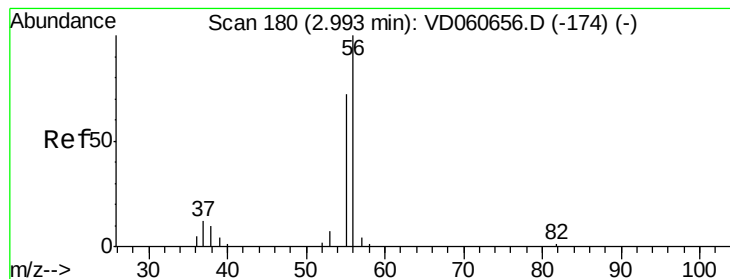


#12

1,1-Dichloroethene
 Concen: 18.812 ug/l
 RT: 3.05 min Scan# 186
 Delta R.T. -0.03 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion: 96 Resp: 161236
 Ion Ratio Lower Upper
 96 100
 61 163.0 136.2 204.4
 98 67.3 50.7 76.1





#13

Acrolein

Concen: 90.303 ug/l

RT: 2.96 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

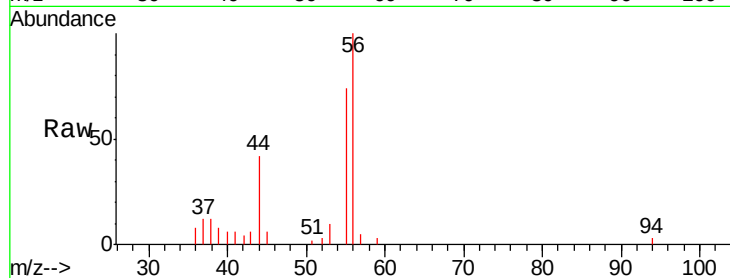
VD1227SBSD01

Tgt Ion: 56 Resp: 41156

Ion Ratio Lower Upper

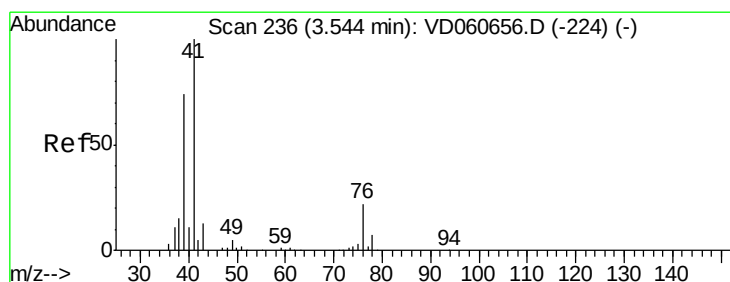
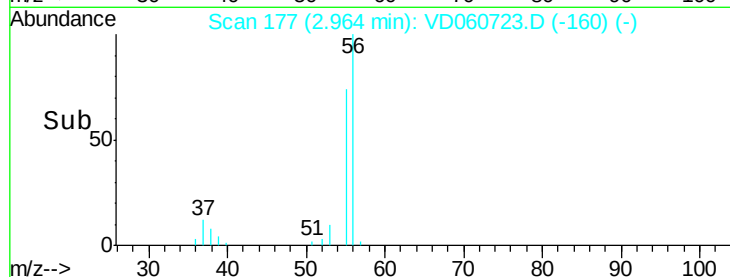
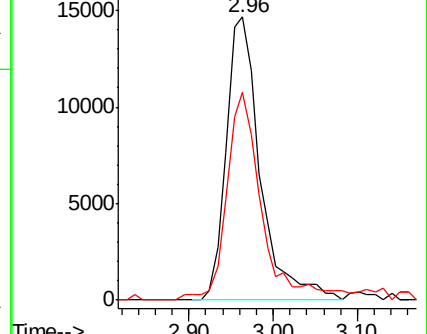
56 100

55 73.6 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.204 ug/l

RT: 3.50 min Scan# 232

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

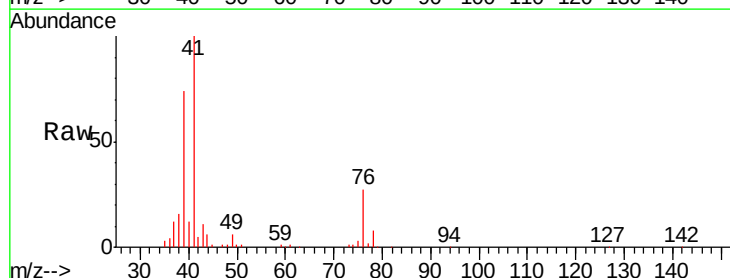
Tgt Ion: 41 Resp: 302014

Ion Ratio Lower Upper

41 100

39 73.6 59.6 89.4

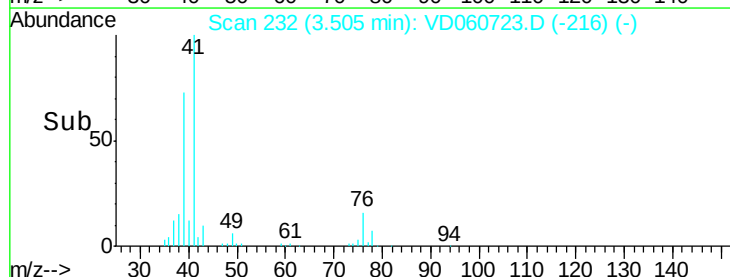
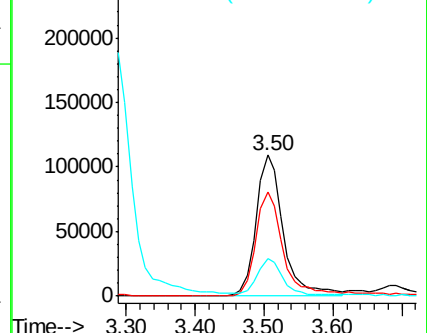
76 27.0 21.8 32.6

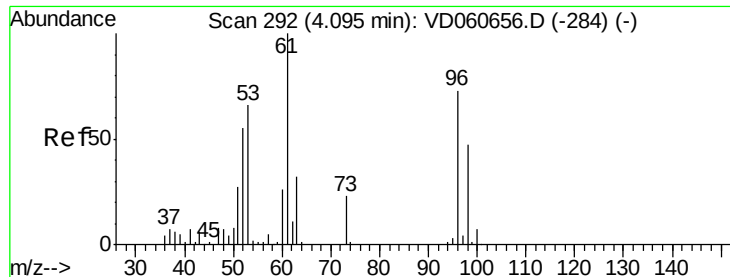


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.171 ug/l

RT: 4.06 min Scan# 288

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

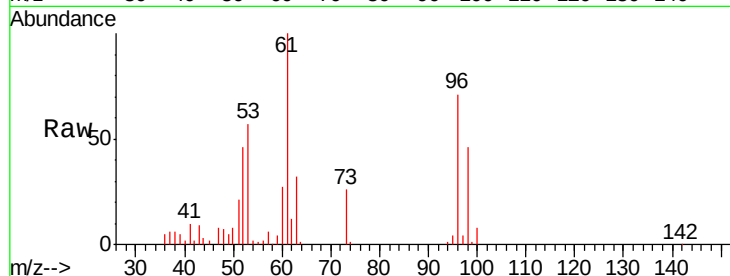
Tgt Ion: 53 Resp: 257498

Ion Ratio Lower Upper

53 100

52 79.8 66.7 100.1

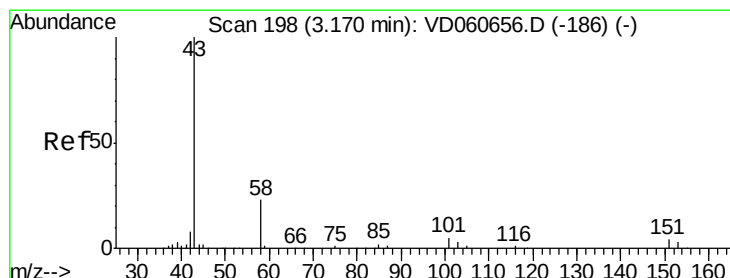
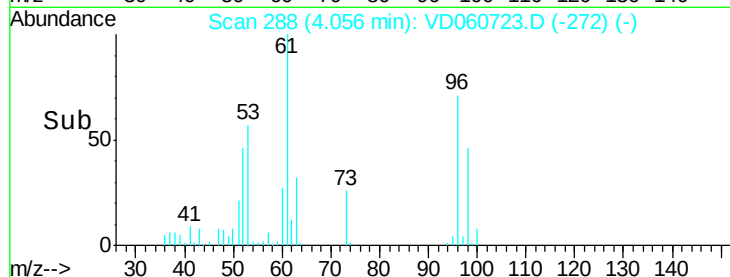
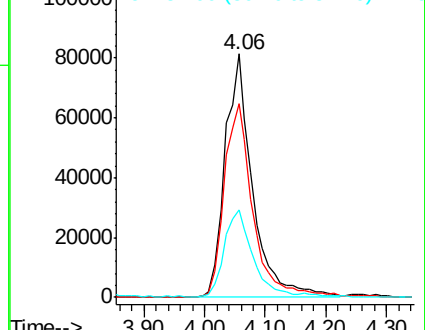
51 36.2 32.7 49.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.051 ug/l

RT: 3.13 min Scan# 194

Delta R.T. -0.04 min

Lab File: VD060723.D

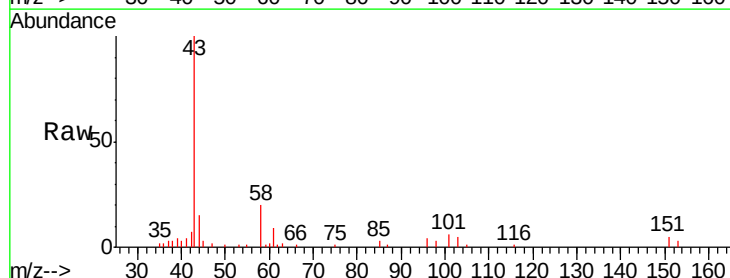
Acq: 27 Dec 2018 13:43

Tgt Ion: 43 Resp: 175768

Ion Ratio Lower Upper

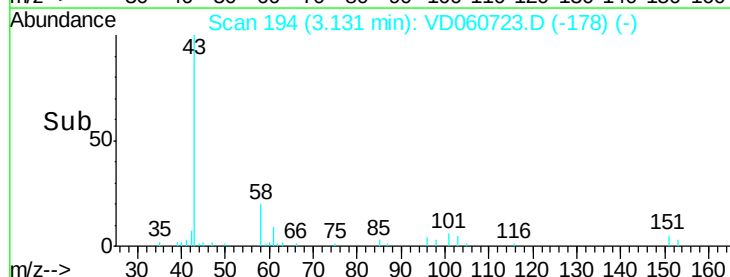
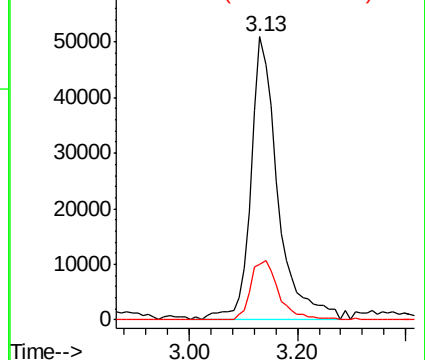
43 100

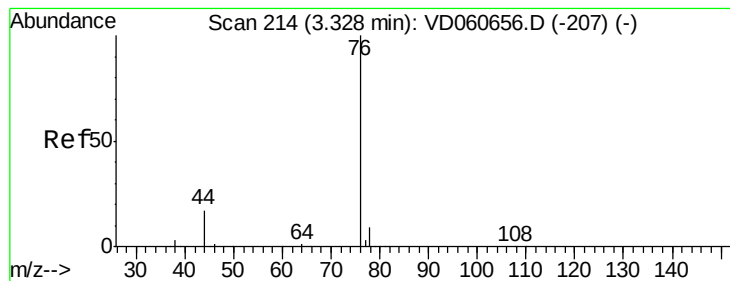
58 19.7 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.431 ug/l

RT: 3.29 min Scan# 210

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

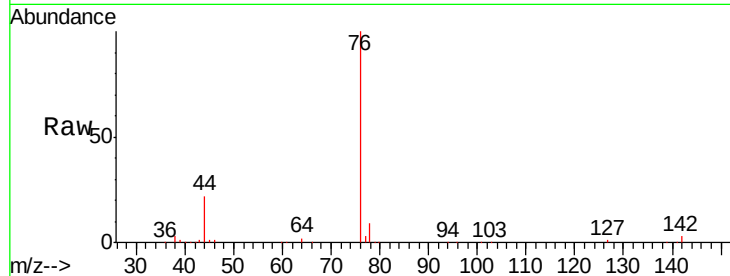
VD1227SBS01

Tgt Ion: 76 Resp: 477105

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

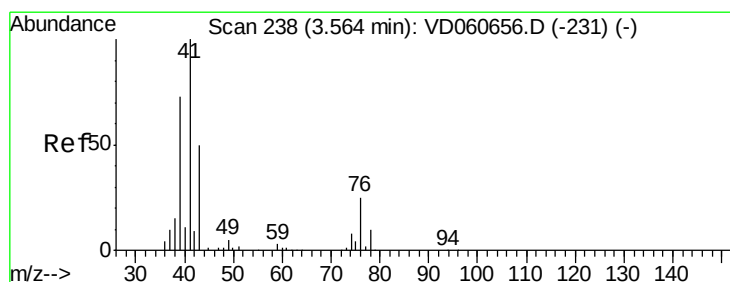
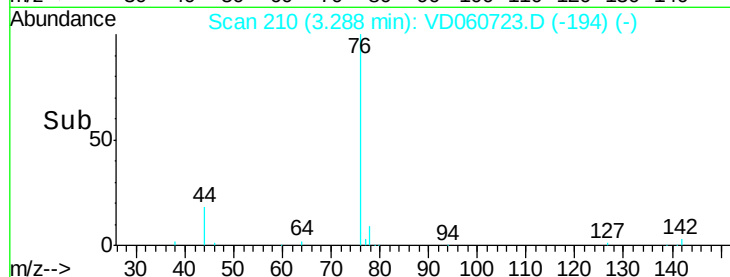
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 17.887 ug/l

RT: 3.52 min Scan# 234

Delta R.T. -0.04 min

Lab File: VD060723.D

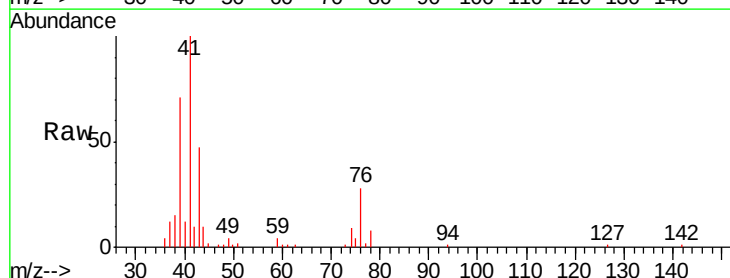
Acq: 27 Dec 2018 13:43

Tgt Ion: 43 Resp: 82844

Ion Ratio Lower Upper

43 100

74 19.1 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

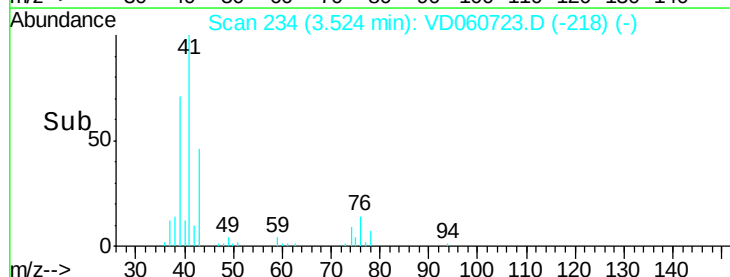
20000

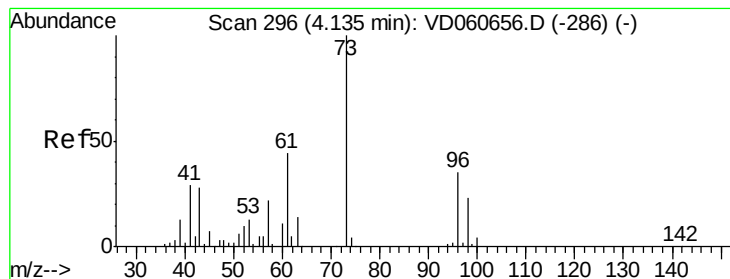
10000

0

3.40 3.50 3.60

Time-->



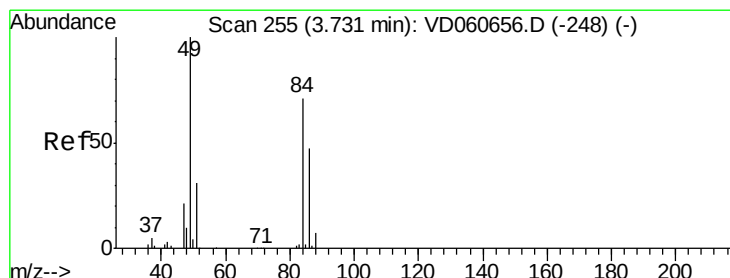
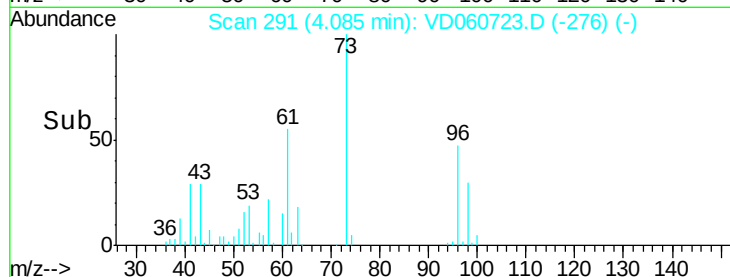
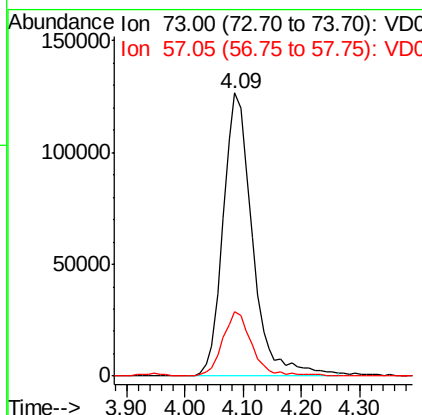
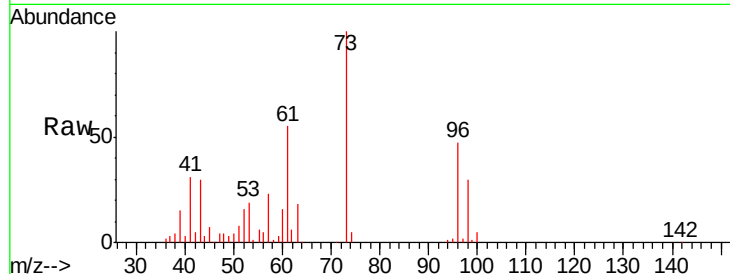


#19

Methyl tert-butyl Ether
Concen: 20.377 ug/l
RT: 4.09 min Scan# 291
Delta R.T. -0.05 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

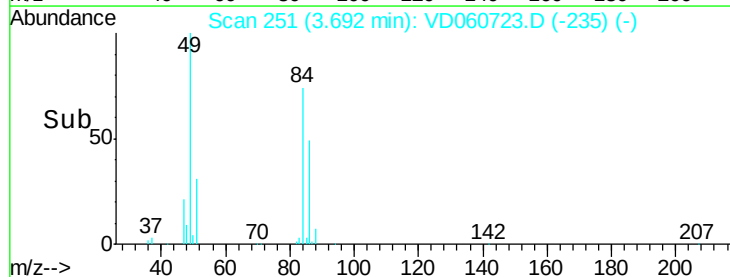
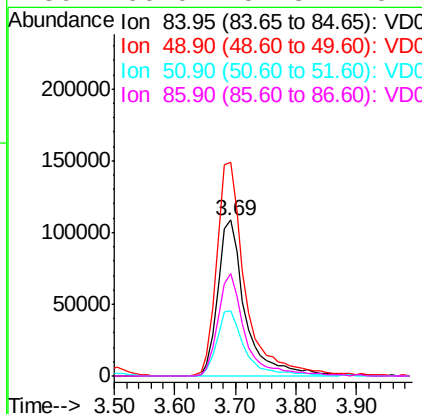
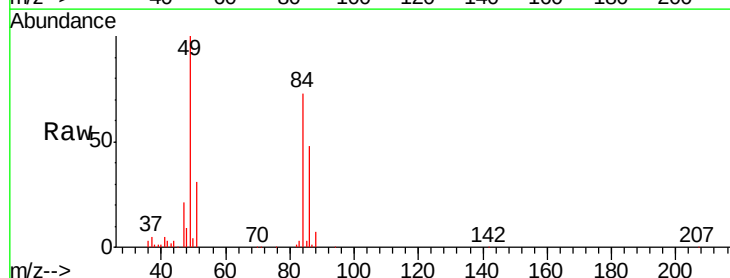
Tgt Ion: 73 Resp: 443086
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4

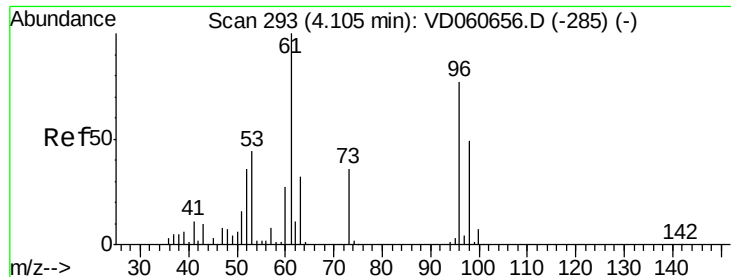


#20

Methylene Chloride
Concen: 17.643 ug/l
RT: 3.69 min Scan# 251
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion: 84 Resp: 342415
Ion Ratio Lower Upper
84 100
49 137.3 113.6 170.4
51 42.4 34.7 52.1
86 66.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 18.760 ug/l

RT: 4.07 min Scan# 289

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

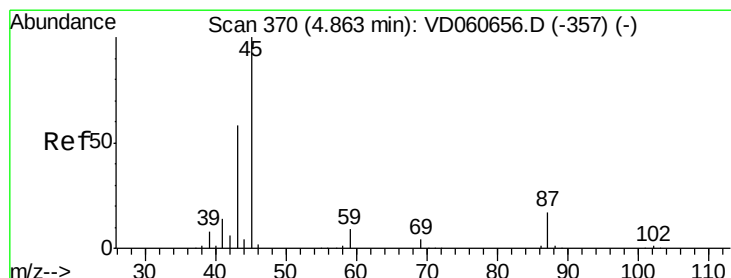
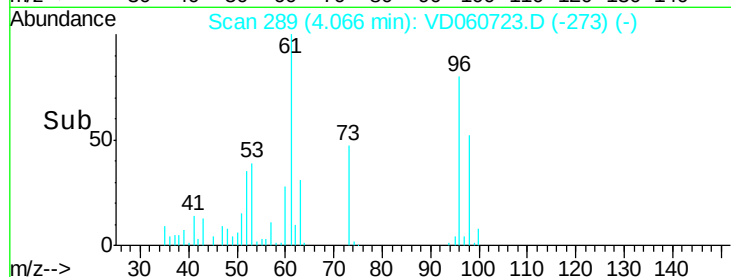
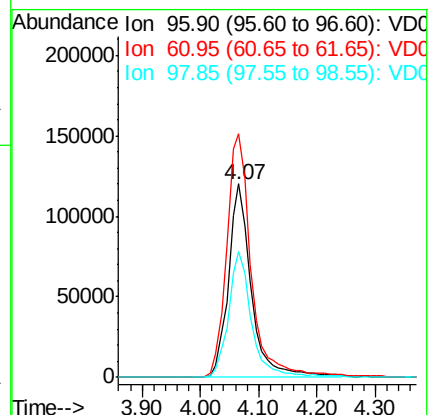
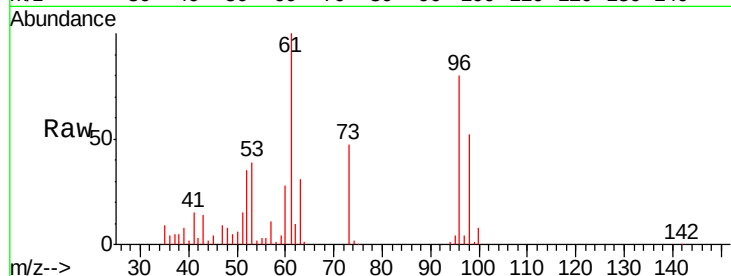
Tgt Ion: 96 Resp: 329289

Ion Ratio Lower Upper

96 100

61 125.8 104.2 156.2

98 64.8 51.2 76.8



#22

Diisopropyl ether

Concen: 19.990 ug/l

RT: 4.81 min Scan# 365

Delta R.T. -0.05 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Tgt Ion: 45 Resp: 1067380

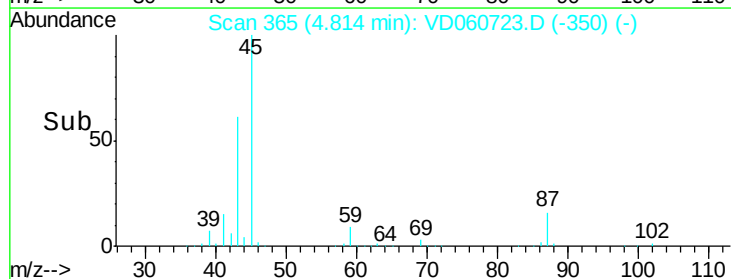
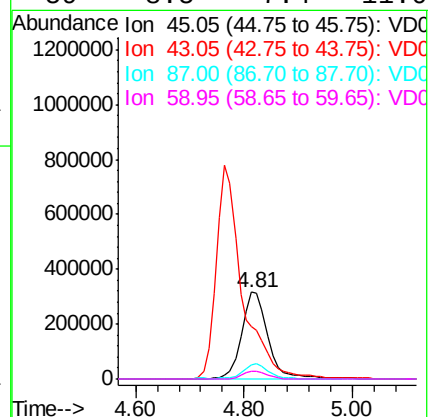
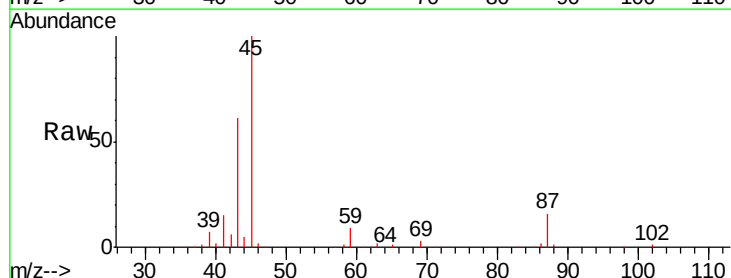
Ion Ratio Lower Upper

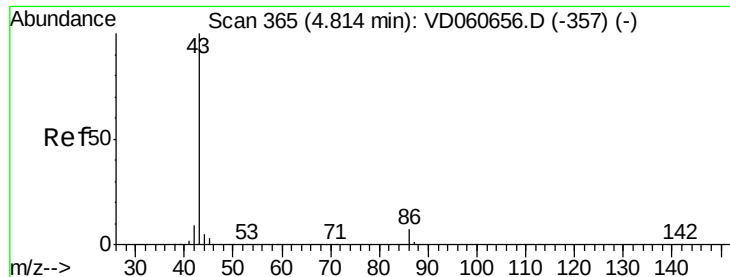
45 100

43 61.2 46.1 69.1

87 16.4 13.7 20.5

59 8.5 7.4 11.0





#23

Vinyl Acetate

Concen: 100.715 ug/l

RT: 4.76 min Scan# 360

Delta R.T. -0.05 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

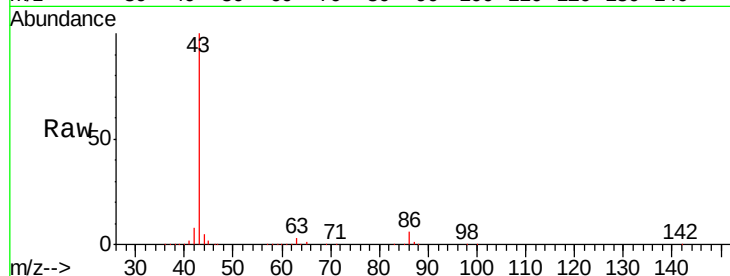
VD1227SBSD01

Tgt Ion: 43 Resp: 2601807

Ion Ratio Lower Upper

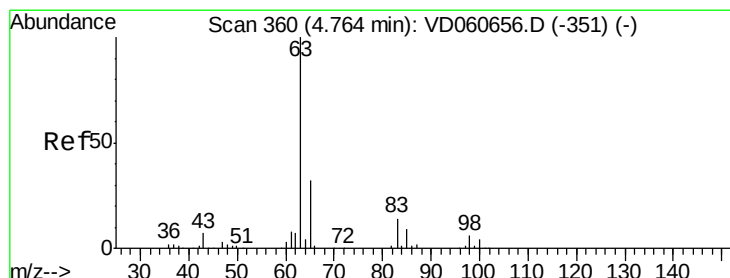
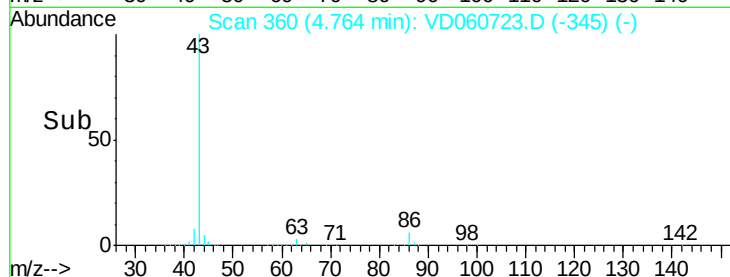
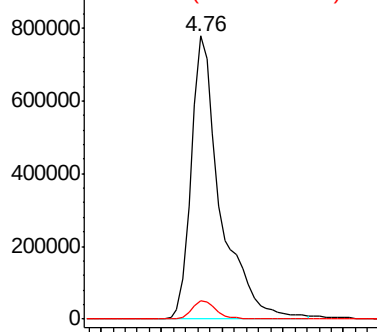
43 100

86 6.4 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.636 ug/l

RT: 4.72 min Scan# 355

Delta R.T. -0.05 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

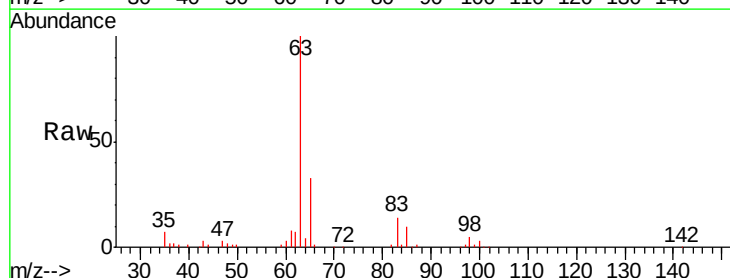
Tgt Ion: 63 Resp: 551512

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

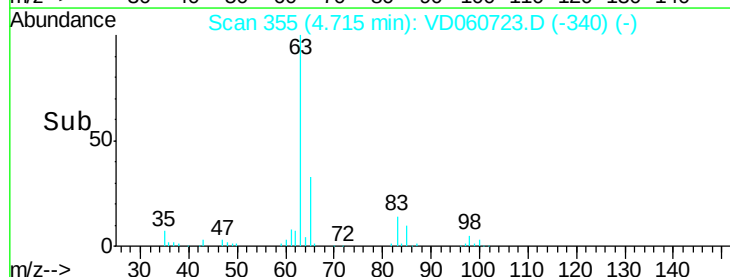
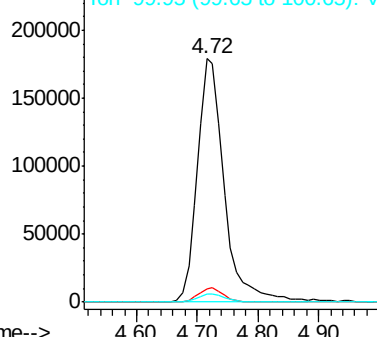
100 3.5 2.0 5.8

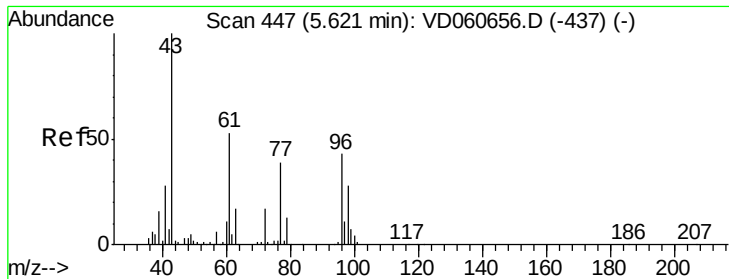


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 100.797 ug/l

RT: 5.58 min Scan# 443

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

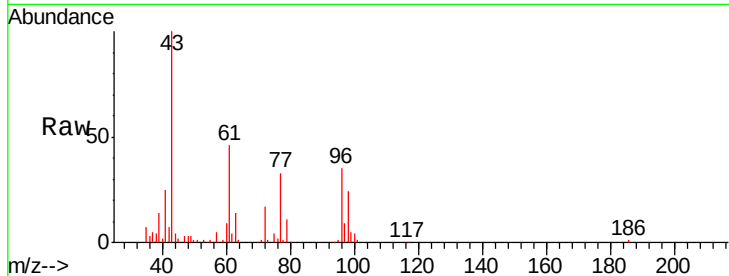
VD1227SBS01

Tgt Ion: 43 Resp: 360470

Ion Ratio Lower Upper

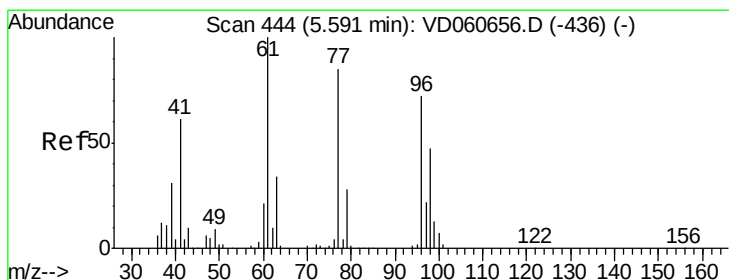
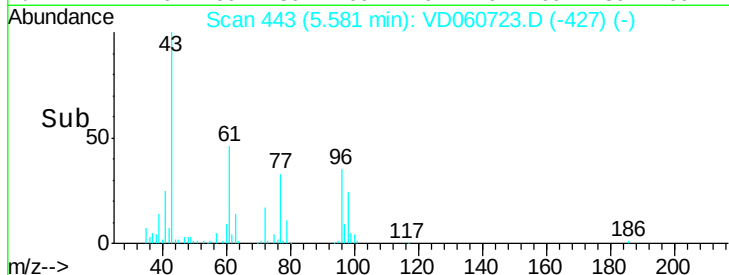
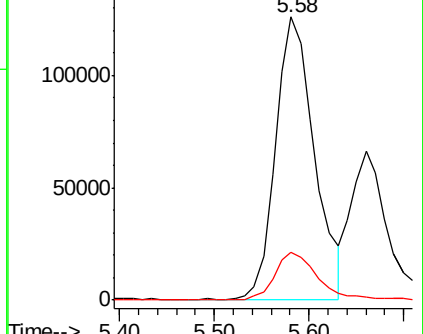
43 100

72 17.1 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.449 ug/l

RT: 5.55 min Scan# 440

Delta R.T. -0.04 min

Lab File: VD060723.D

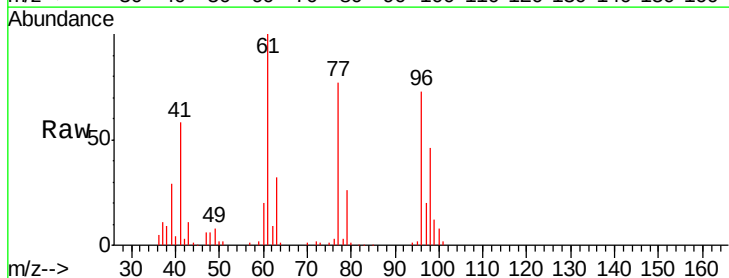
Acq: 27 Dec 2018 13:43

Tgt Ion: 77 Resp: 431197

Ion Ratio Lower Upper

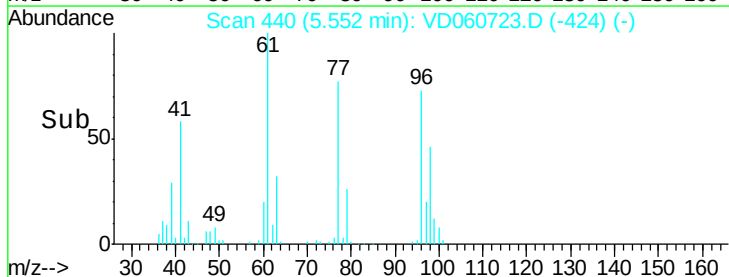
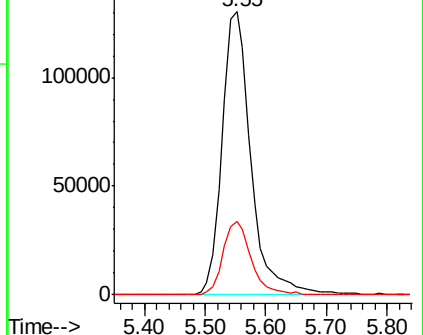
77 100

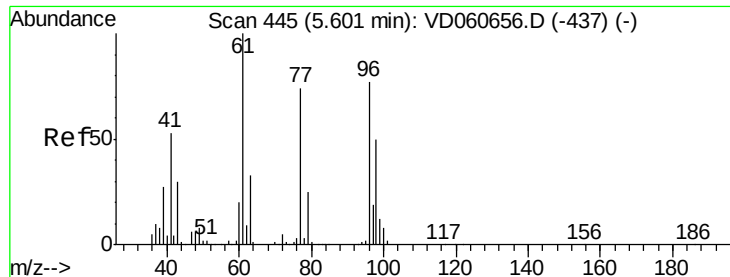
97 26.2 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



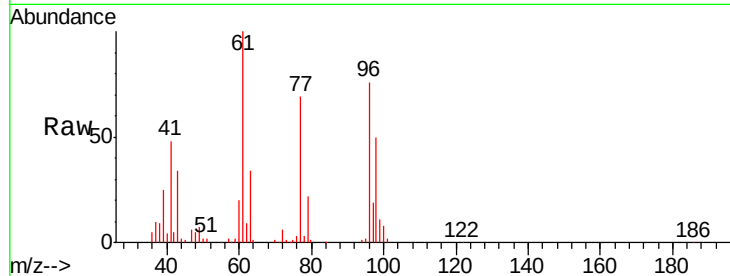


#27

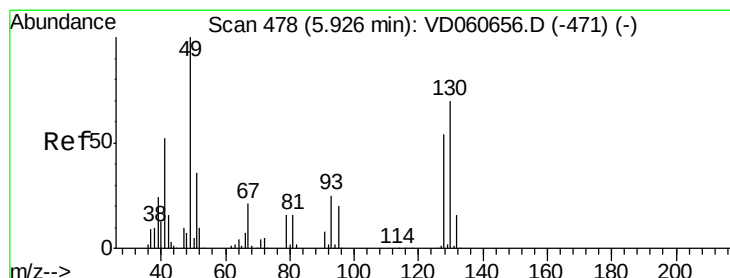
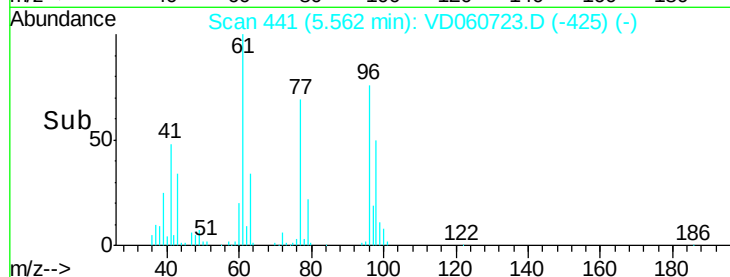
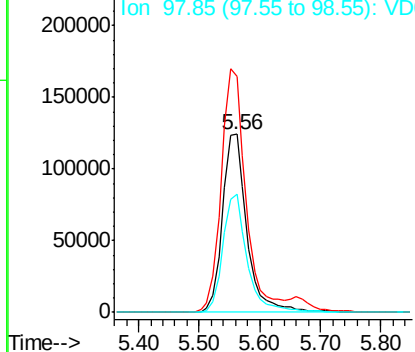
cis-1,2-Dichloroethene
 Concen: 19.646 ug/l
 RT: 5.56 min Scan# 441
 Delta R.T. -0.04 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

Tgt Ion: 96 Resp: 350051
 Ion Ratio Lower Upper
 96 100
 61 132.3 0.0 259.4
 98 66.5 0.0 130.0



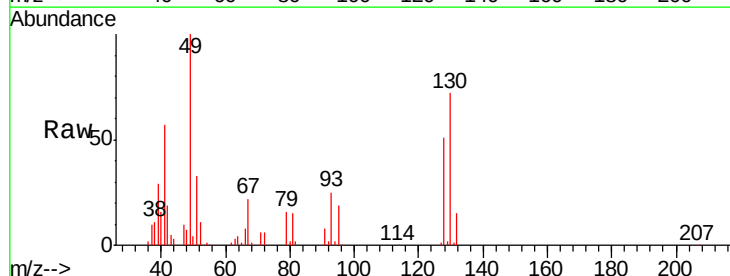
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



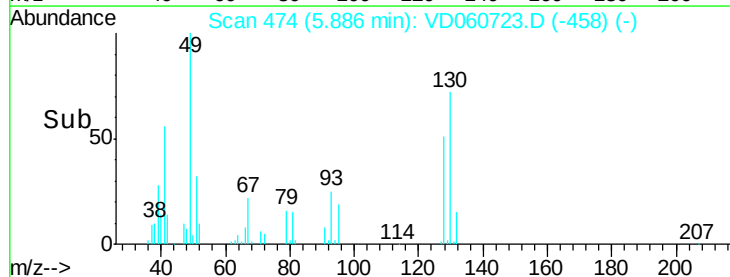
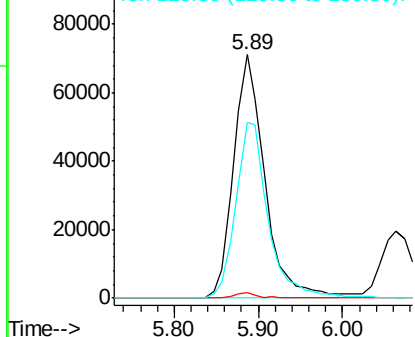
#28

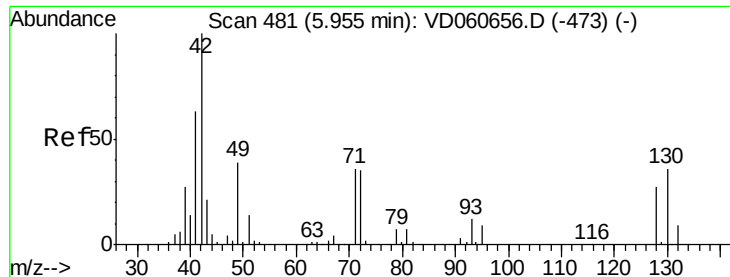
Bromochloromethane
 Concen: 15.385 ug/l
 RT: 5.89 min Scan# 474
 Delta R.T. -0.04 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion: 49 Resp: 182548
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.4
 130 72.1 56.2 84.2



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

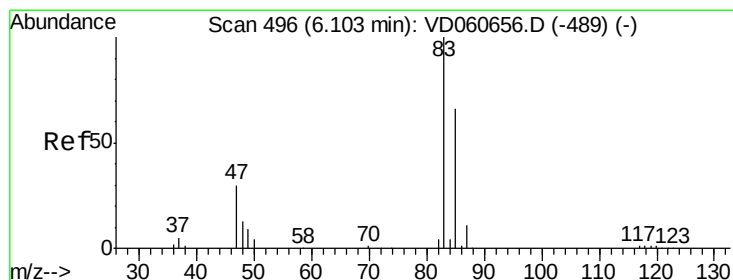
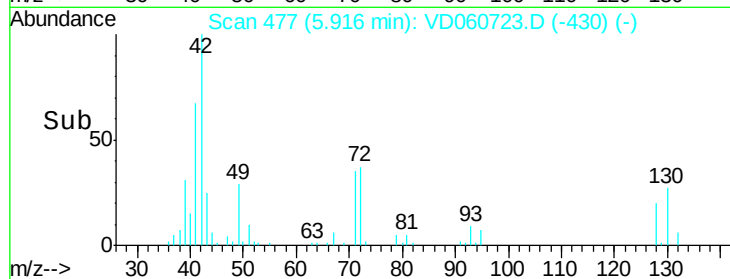
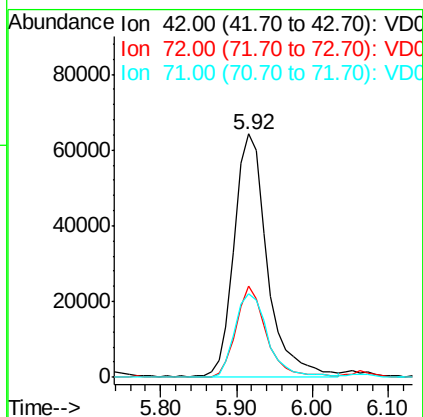
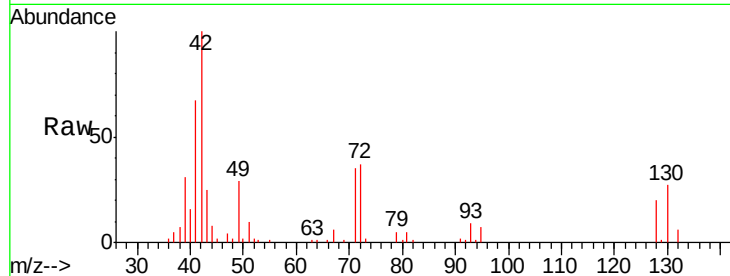




#29
Tetrahydrofuran
Concen: 96.660 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

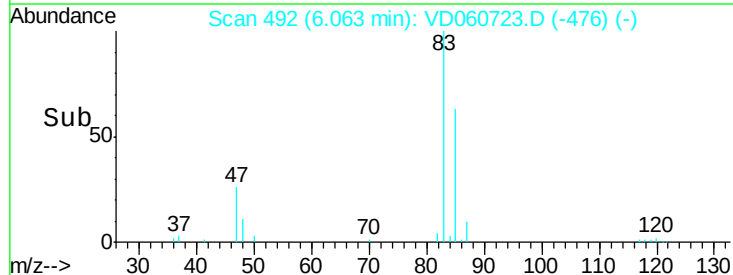
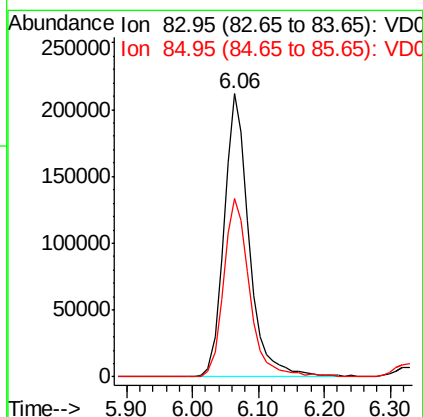
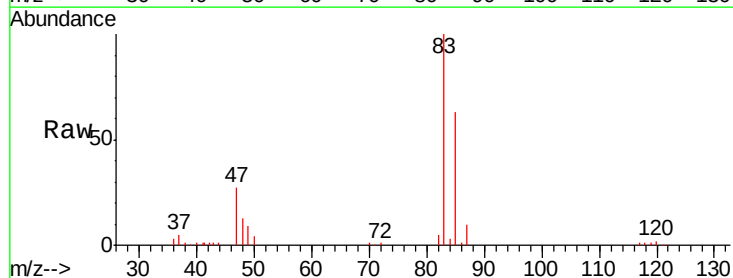
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

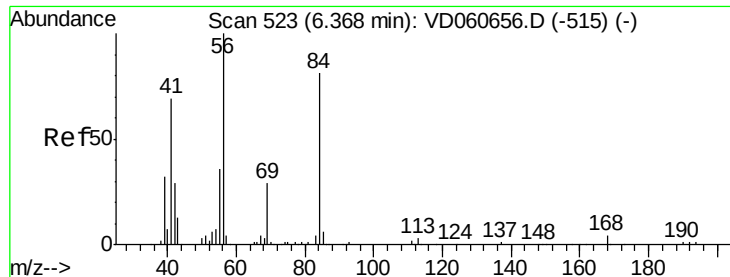
Tgt Ion: 42 Resp: 195963
Ion Ratio Lower Upper
42 100
72 33.7 28.0 42.0
71 34.2 27.0 40.6



#30
Chloroform
Concen: 19.846 ug/l
RT: 6.06 min Scan# 492
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion: 83 Resp: 560865
Ion Ratio Lower Upper
83 100
85 62.8 53.0 79.6

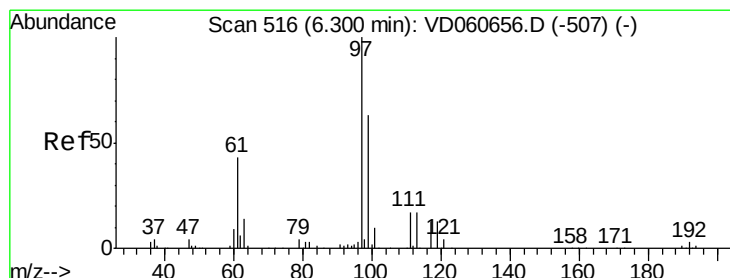
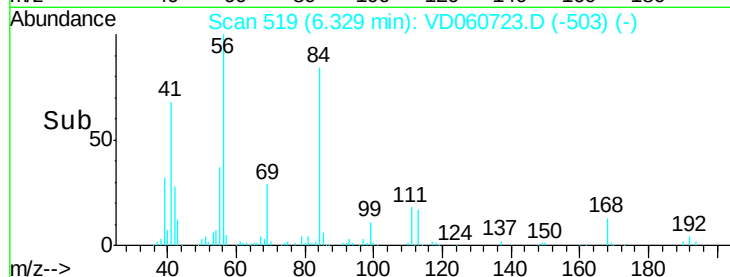
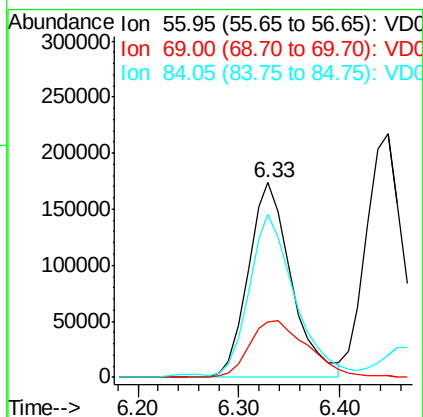
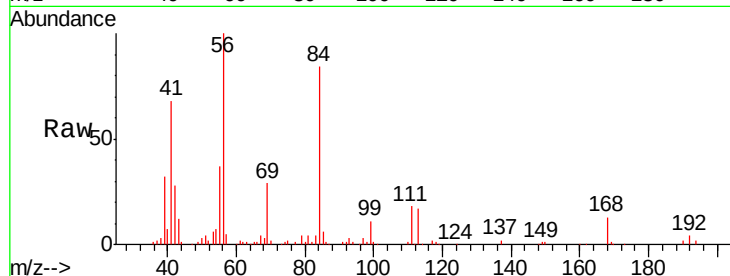




#31
Cyclohexane
Concen: 19.082 ug/l
RT: 6.33 min Scan# 519
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

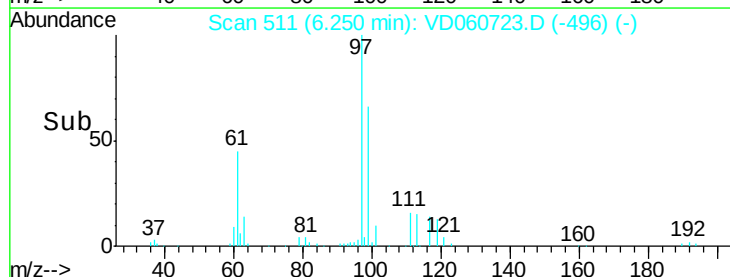
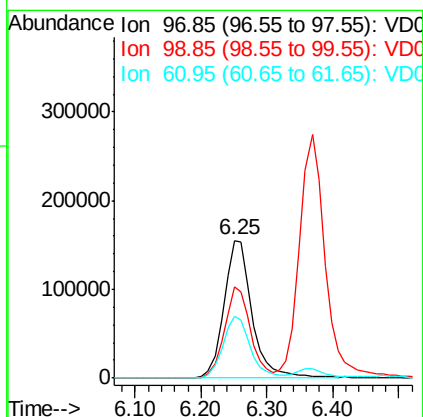
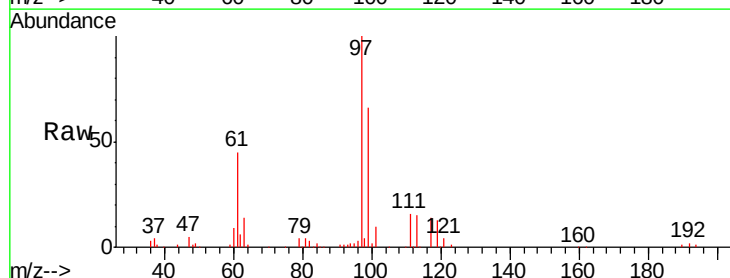
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

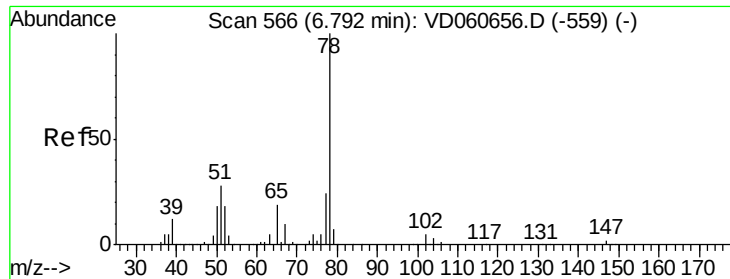
Tgt Ion:	56	Resp:	515755
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.6	35.4
84	83.8	65.8	98.6



#32
1,1,1-Trichloroethane
Concen: 19.677 ug/l
RT: 6.25 min Scan# 511
Delta R.T. -0.05 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion:	97	Resp:	460085
Ion	Ratio	Lower	Upper
97	100		
99	66.3	50.5	75.7
61	45.4	34.6	51.8

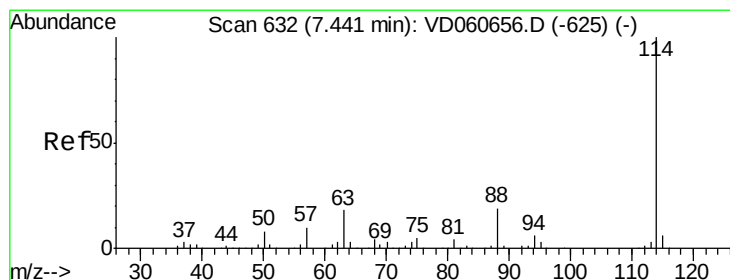
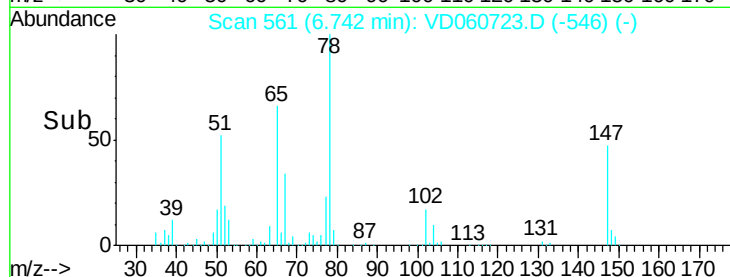
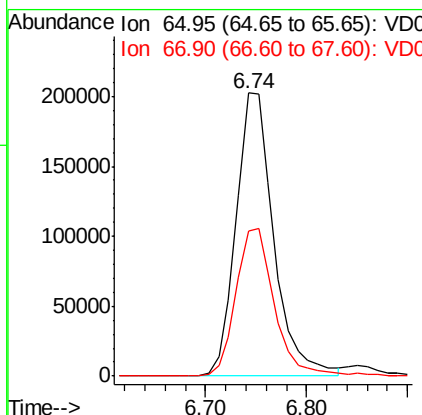
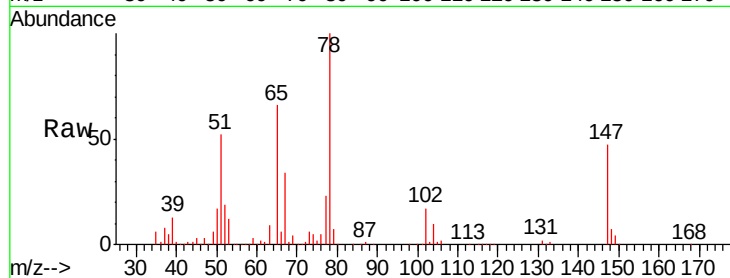




#33
 1,2-Dichloroethane-d4
 Concen: 19.677 ug/l
 RT: 6.74 min Scan# 561
 Delta R.T. -0.05 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

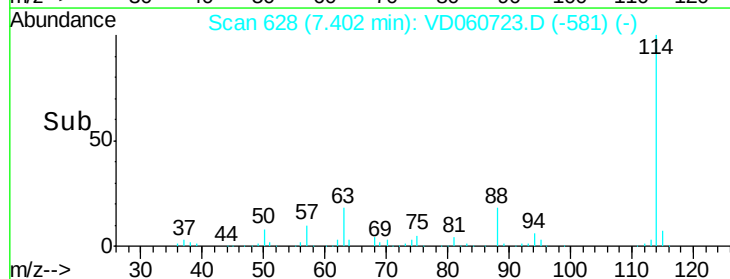
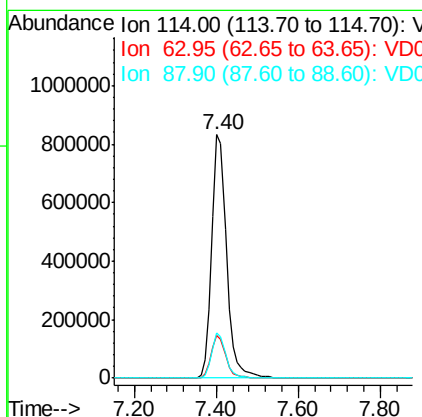
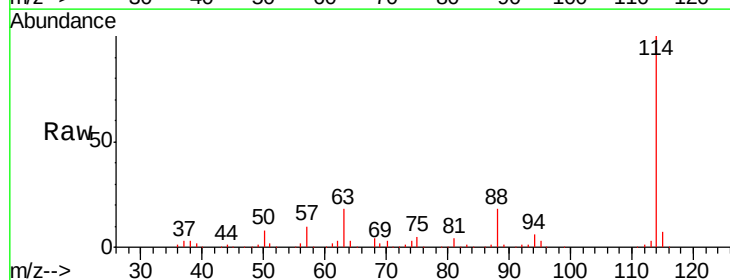
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

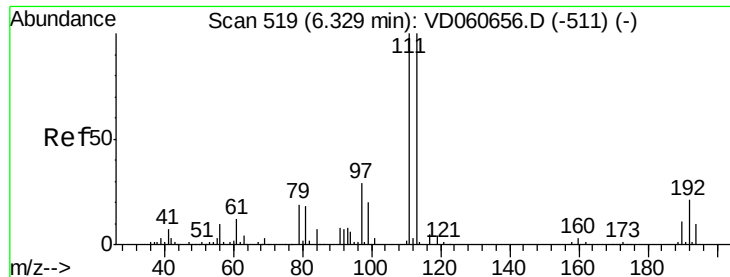
Tgt Ion: 65 Resp: 526814
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.40 min Scan# 628
 Delta R.T. -0.04 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion: 114 Resp: 2084363
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.2
 88 18.4 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 515

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

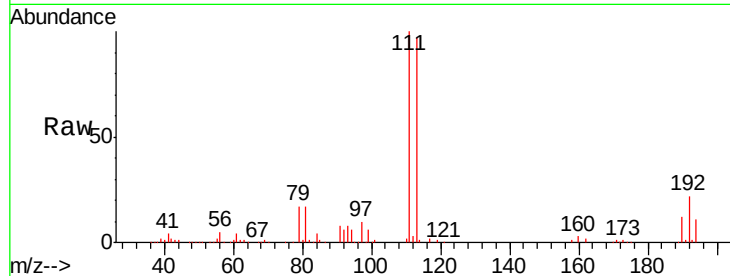
Tgt Ion:113 Resp: 801012

Ion Ratio Lower Upper

113 100

111 103.5 80.0 120.0

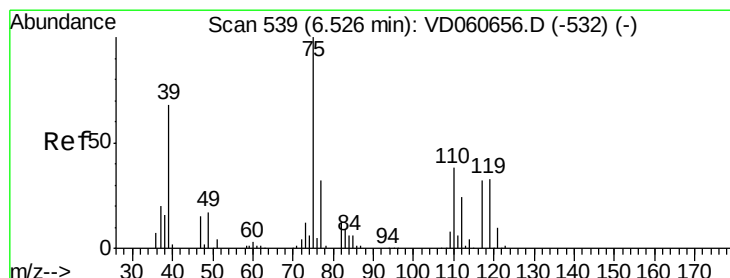
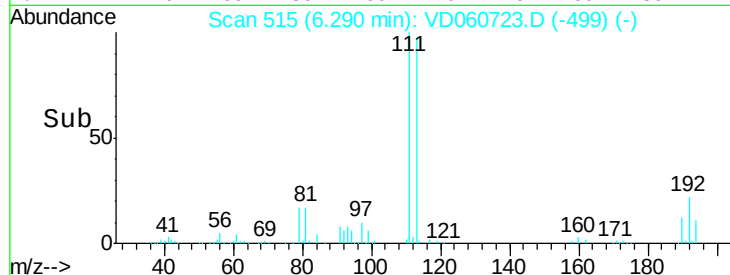
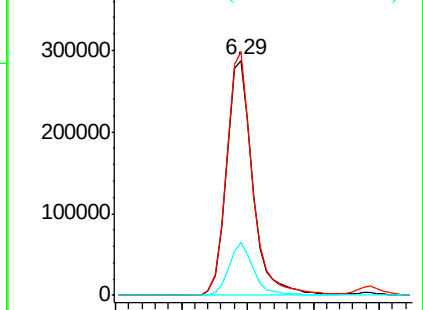
192 22.5 16.6 25.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.904 ug/l

RT: 6.49 min Scan# 535

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

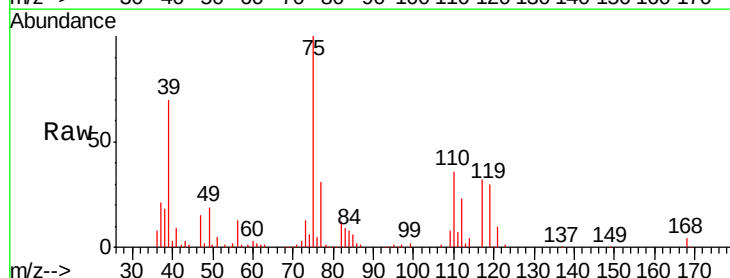
Tgt Ion: 75 Resp: 427208

Ion Ratio Lower Upper

75 100

110 36.1 18.9 56.7

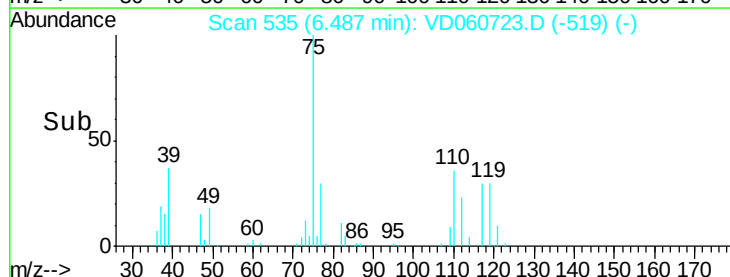
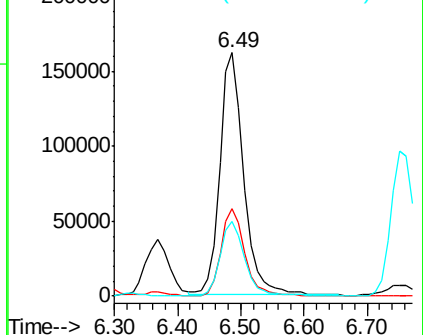
77 30.7 25.4 38.0

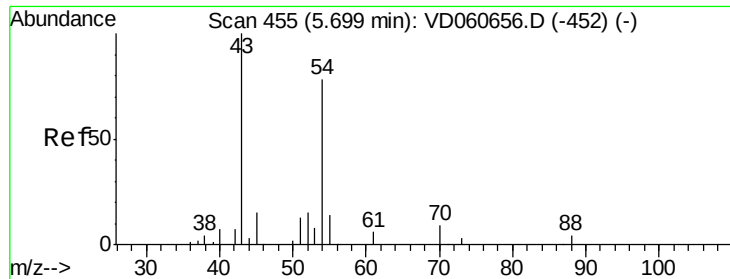


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

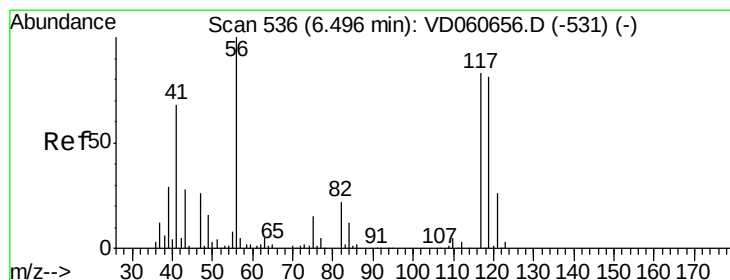
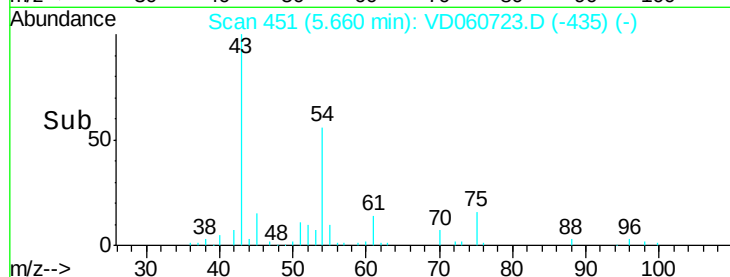
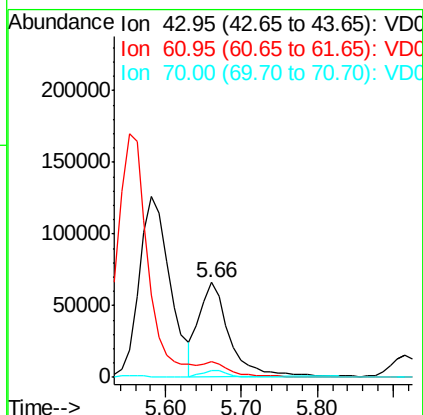
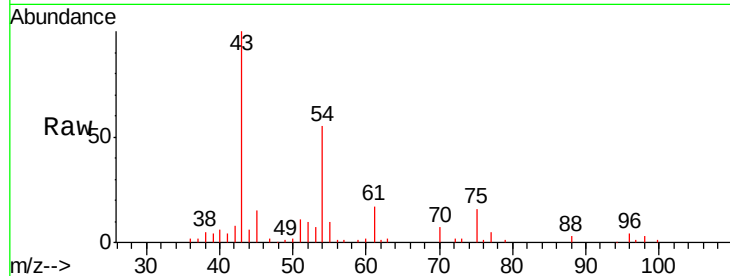




#37
Ethyl Acetate
Concen: 20.078 ug/l
RT: 5.66 min Scan# 451
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

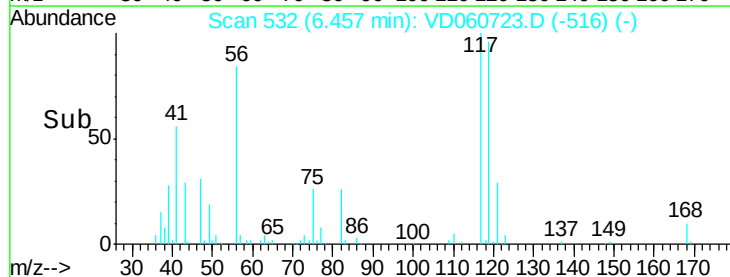
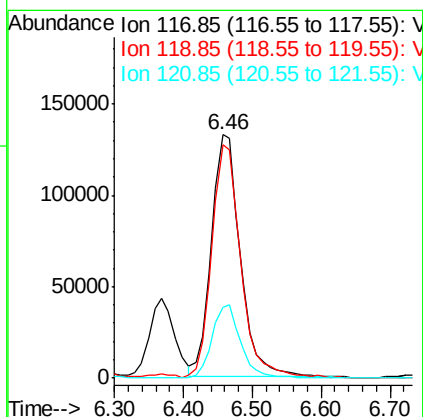
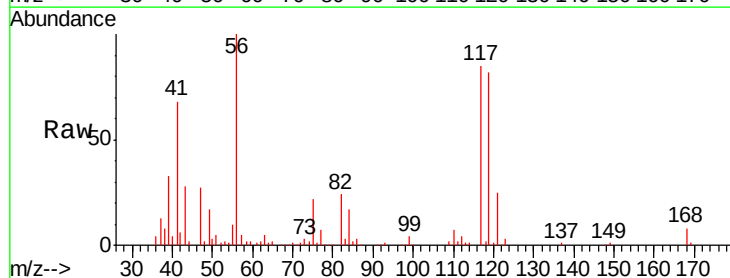
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

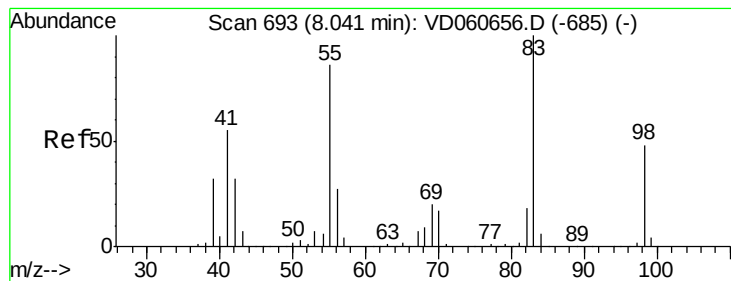
Tgt Ion: 43 Resp: 180229
Ion Ratio Lower Upper
43 100
61 16.6 11.8 17.6
70 7.4 5.8 8.6



#38
Carbon Tetrachloride
Concen: 20.395 ug/l
RT: 6.46 min Scan# 532
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion: 117 Resp: 386191
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.4
121 28.8 24.7 37.1





#39

Methylcyclohexane

Concen: 19.000 ug/l

RT: 8.00 min Scan# 689

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

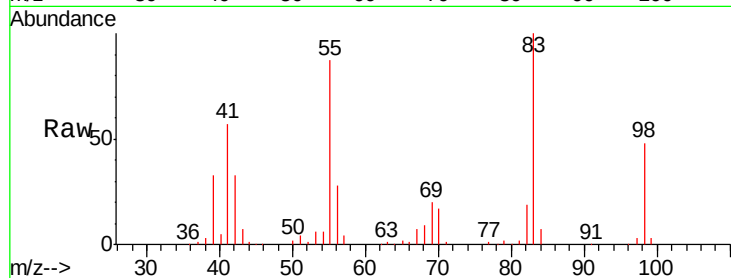
Tgt Ion: 83 Resp: 465111

Ion Ratio Lower Upper

83 100

55 86.7 68.6 102.8

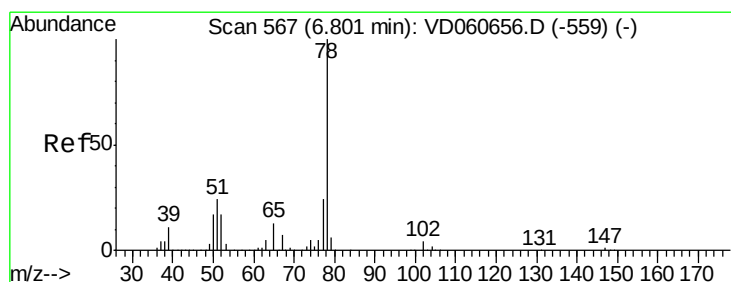
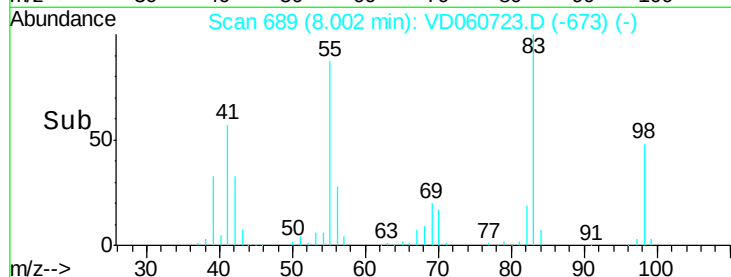
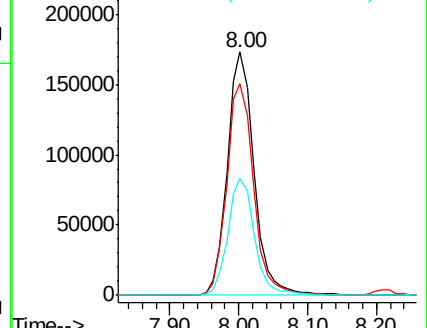
98 48.1 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.781 ug/l

RT: 6.75 min Scan# 562

Delta R.T. -0.05 min

Lab File: VD060723.D

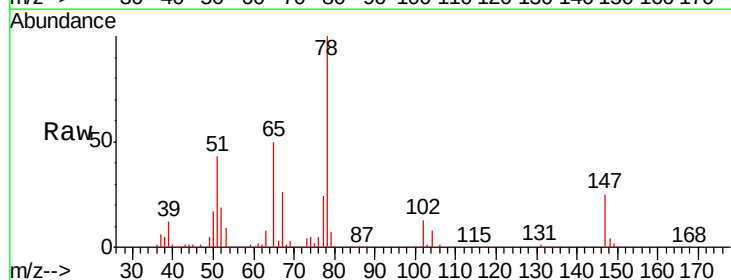
Acq: 27 Dec 2018 13:43

Tgt Ion: 78 Resp: 1096679

Ion Ratio Lower Upper

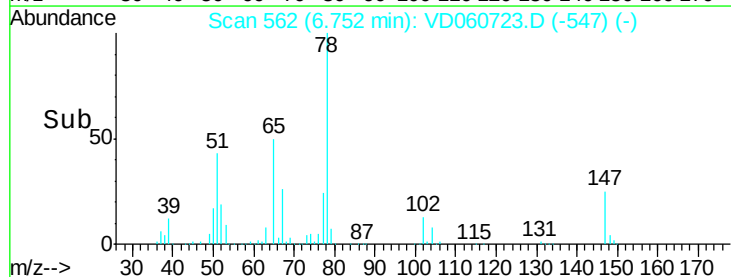
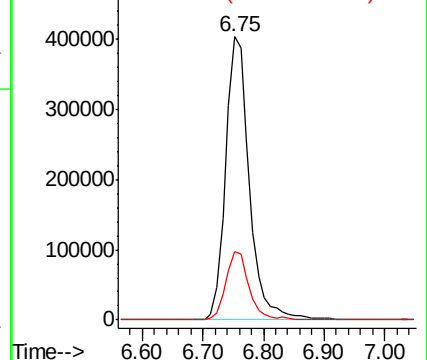
78 100

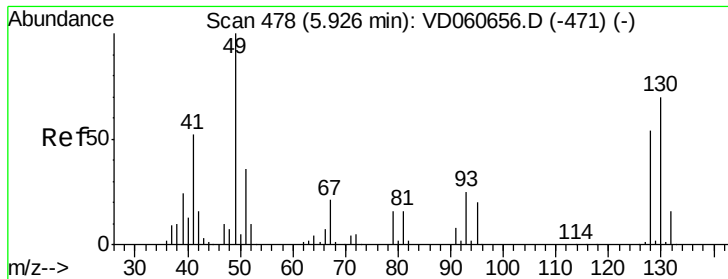
77 23.9 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

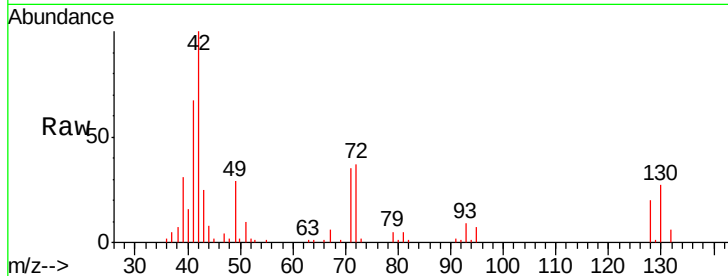




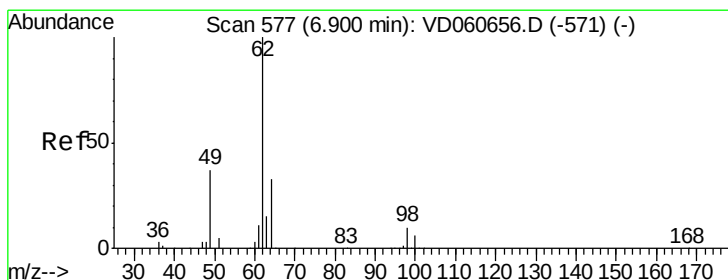
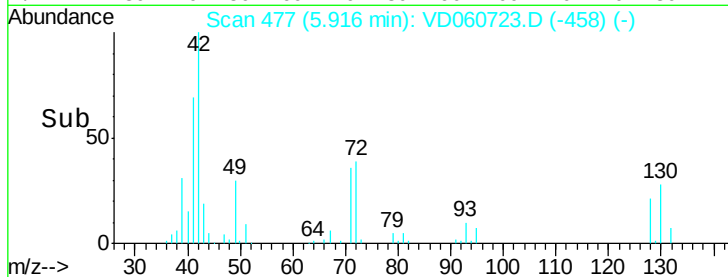
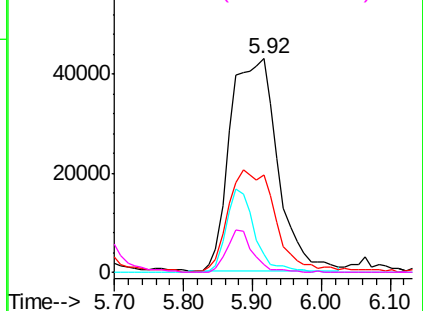
#41
Methacrylonitrile
Concen: 41.134 ug/l
RT: 5.92 min Scan# 477
Delta R.T. -0.01 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion:	41	Resp:	204240
Ion	Ratio	Lower	Upper
41	100		
39	45.8	37.6	56.4
67	8.4	33.0	49.6#
52	3.5	15.5	23.3#

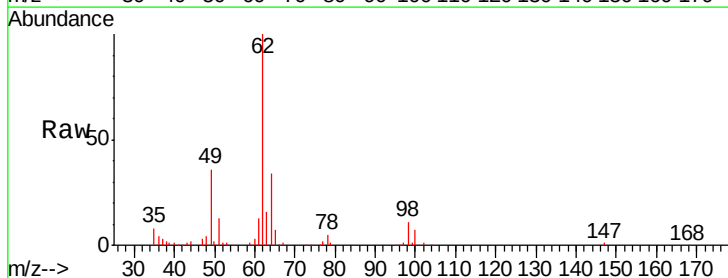


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

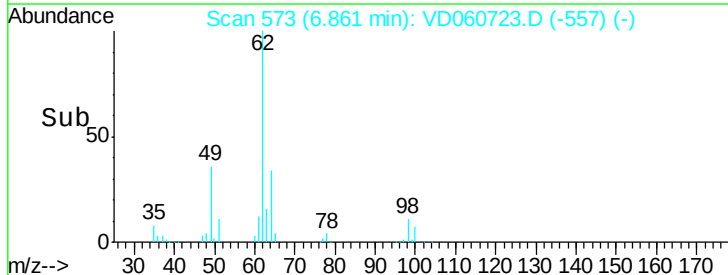
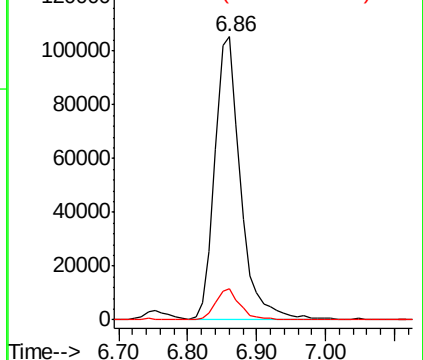


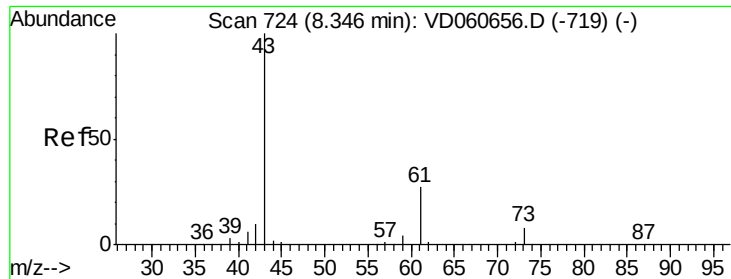
#42
1,2-Dichloroethane
Concen: 19.711 ug/l
RT: 6.86 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion:	62	Resp:	271193
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.4



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

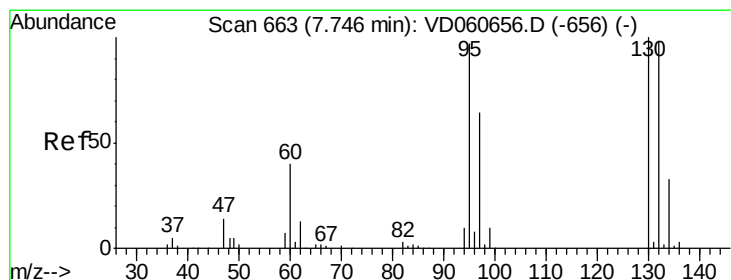
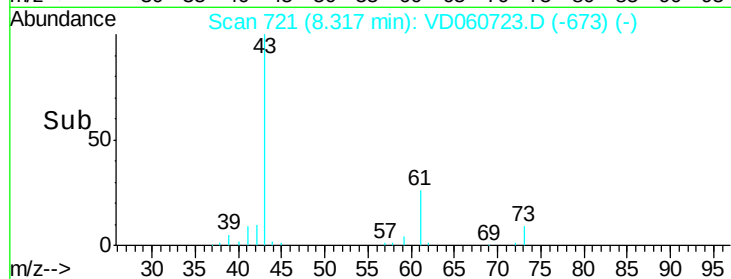
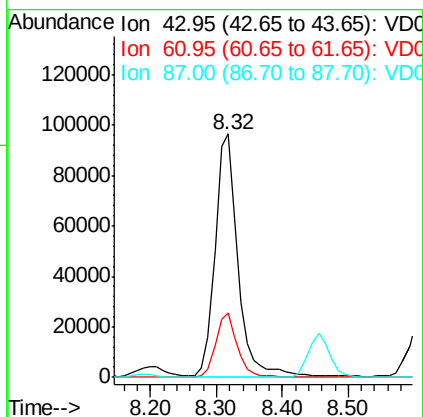
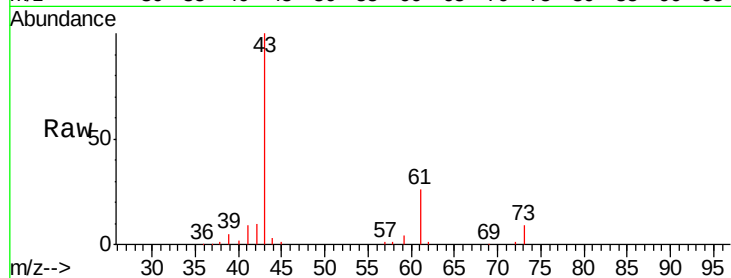




#43
Isopropyl Acetate
Concen: 19.992 ug/l
RT: 8.32 min Scan# 721
Delta R.T. -0.03 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

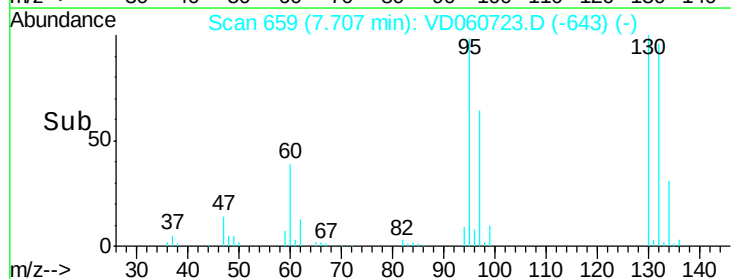
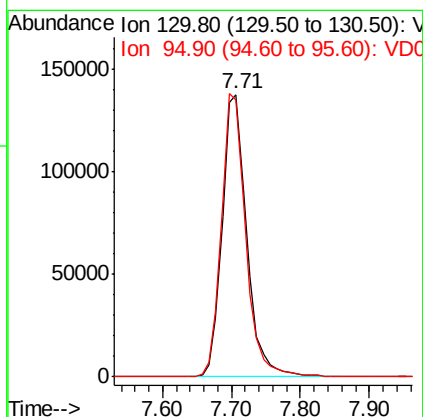
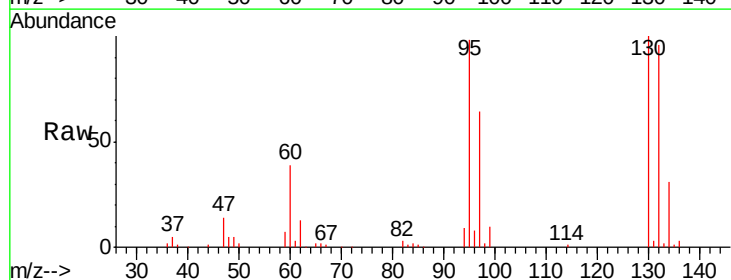
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

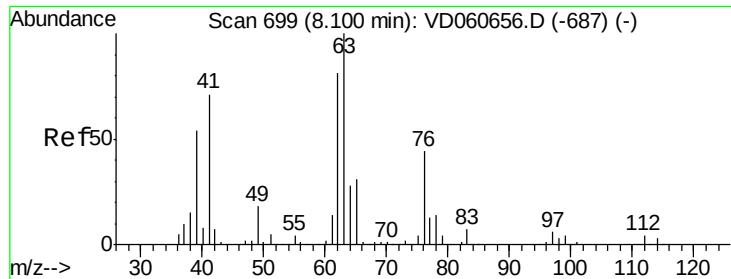
Tgt Ion: 43 Resp: 230296
Ion Ratio Lower Upper
43 100
61 26.5 21.8 32.8
87 0.0 0.2 0.4#



#44
Trichloroethene
Concen: 20.775 ug/l
RT: 7.71 min Scan# 659
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion:130 Resp: 340901
Ion Ratio Lower Upper
130 100
95 98.1 0.0 193.6





#45

1,2-Dichloropropane

Concen: 19.718 ug/l

RT: 8.06 min Scan# 695

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

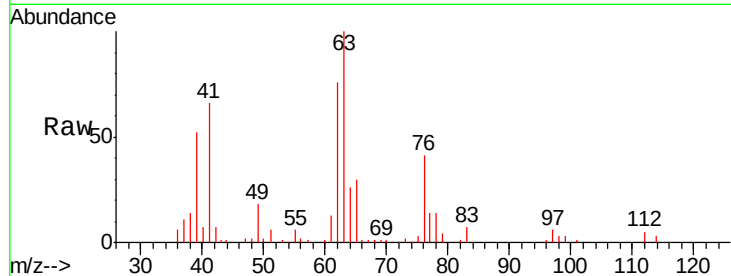
VD1227SBS01

Tgt Ion: 63 Resp: 268086

Ion Ratio Lower Upper

63 100

65 30.5 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.06

120000

100000

80000

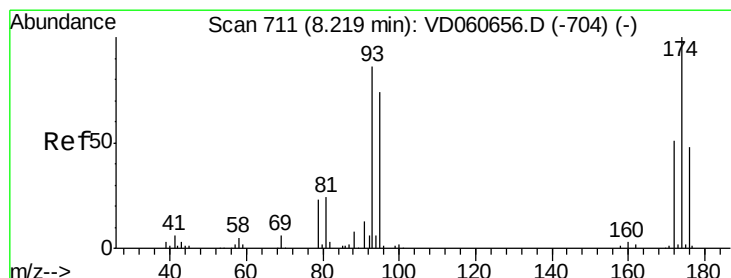
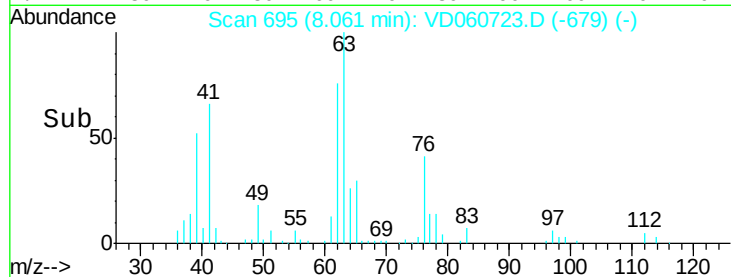
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 20.089 ug/l

RT: 8.18 min Scan# 707

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

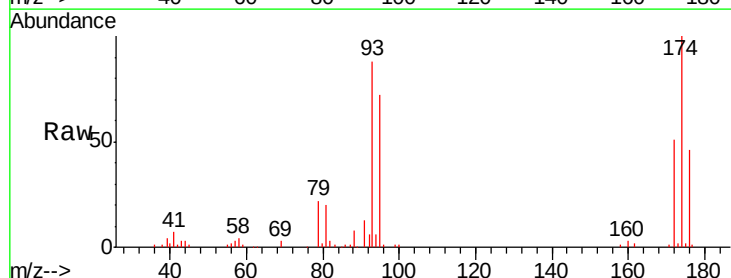
Tgt Ion: 93 Resp: 155885

Ion Ratio Lower Upper

93 100

95 82.1 68.8 103.2

174 113.6 93.0 139.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

80000

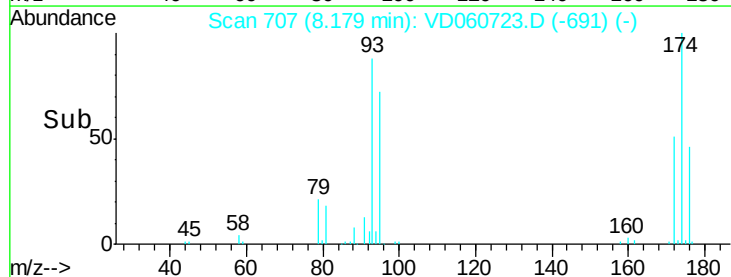
60000

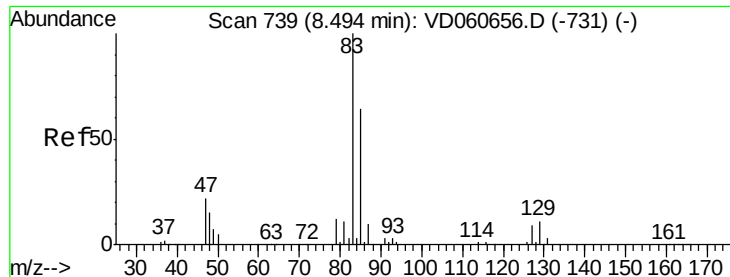
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 20.448 ug/l

RT: 8.45 min Scan# 735

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

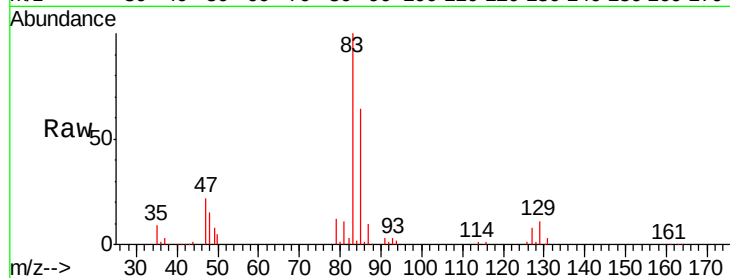
Tgt Ion: 83 Resp: 375825

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

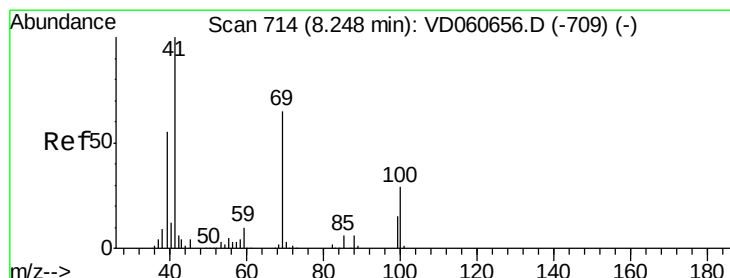
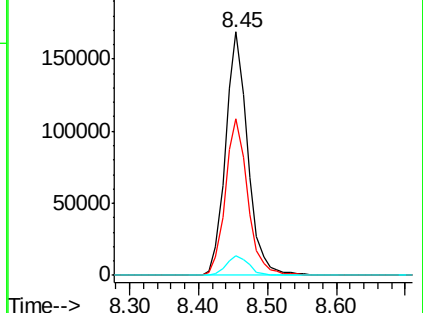
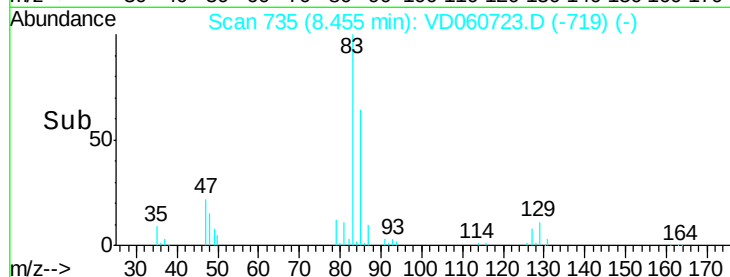
127 8.0 7.0 10.6



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.717 ug/l

RT: 8.21 min Scan# 710

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

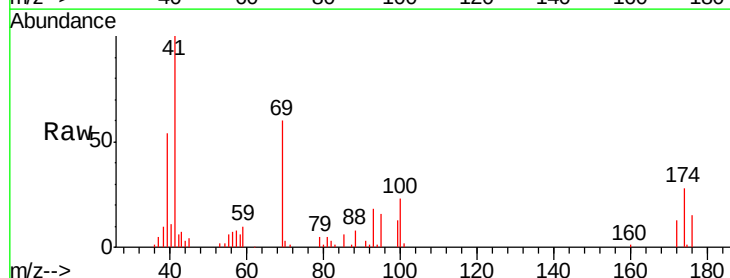
Tgt Ion: 41 Resp: 137951

Ion Ratio Lower Upper

41 100

69 59.5 51.2 76.8

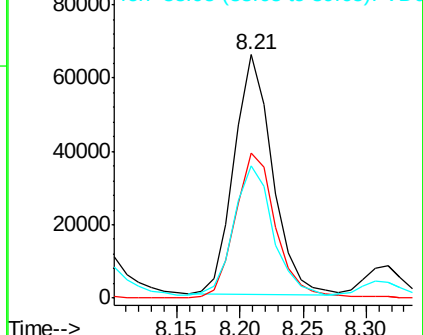
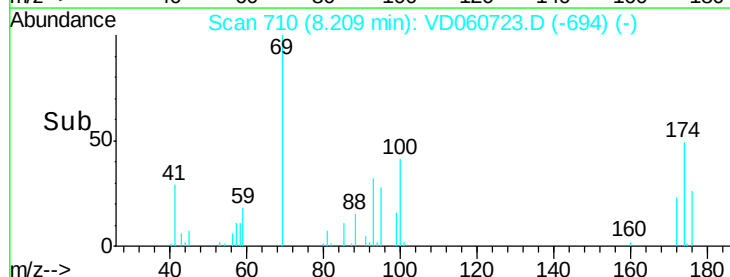
39 54.4 44.6 67.0

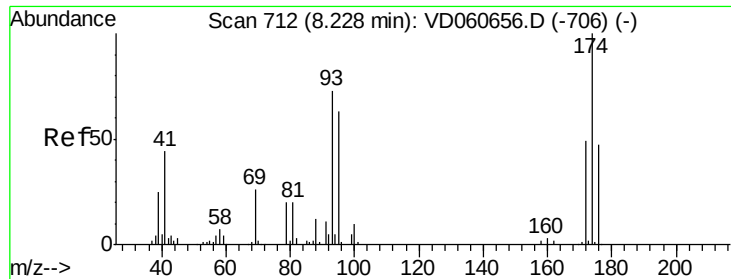


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 394.083 ug/l

RT: 8.19 min Scan# 708

Delta R.T. -0.04 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

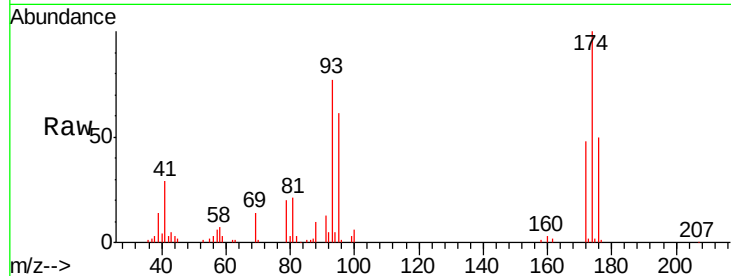
Tgt Ion: 88 Resp: 25636

Ion Ratio Lower Upper

88 100

43 51.4 31.5 47.3#

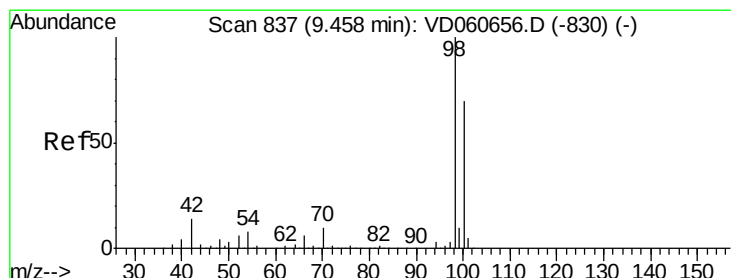
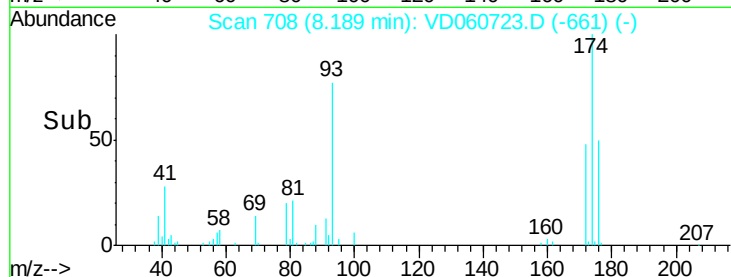
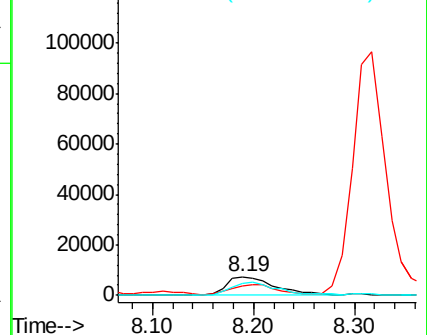
58 67.9 50.6 76.0



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: 394.083 ug/l

RT: 9.42 min Scan# 833

Delta R.T. -0.04 min

Lab File: VD060723.D

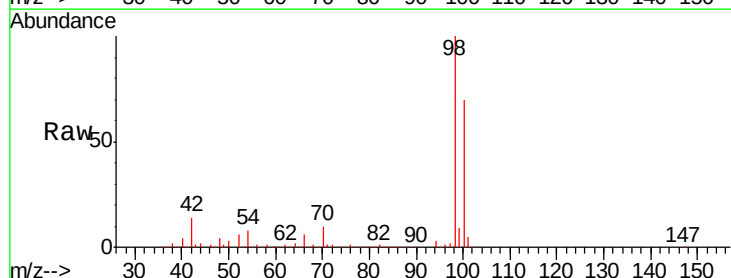
Acq: 27 Dec 2018 13:43

Tgt Ion: 98 Resp: 2272530

Ion Ratio Lower Upper

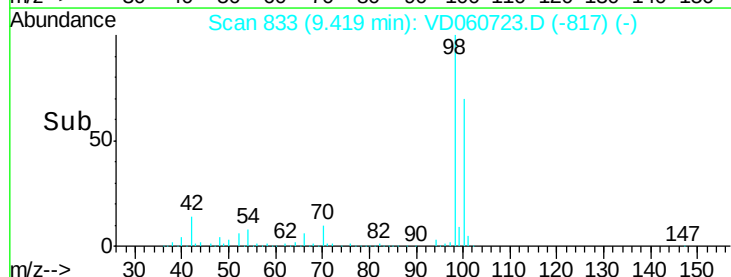
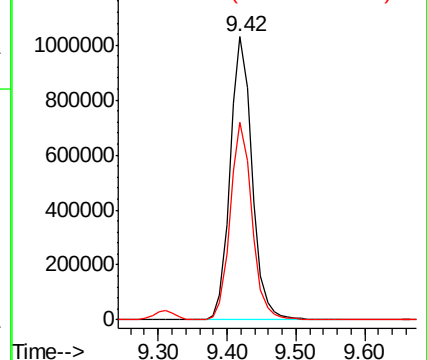
98 100

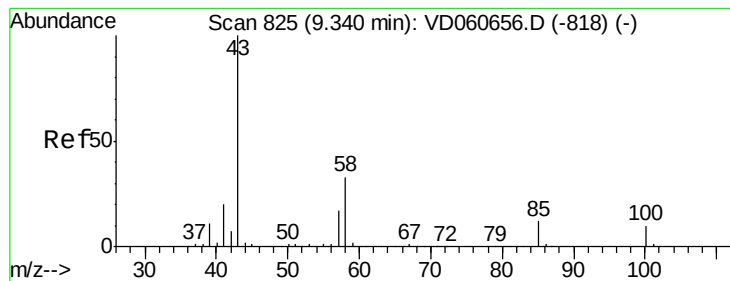
100 69.7 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 102.046 ug/l

RT: 9.31 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

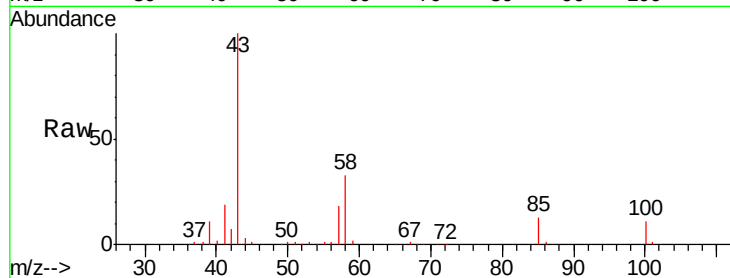
VD1227SBS01

Tgt Ion: 43 Resp: 720196

Ion Ratio Lower Upper

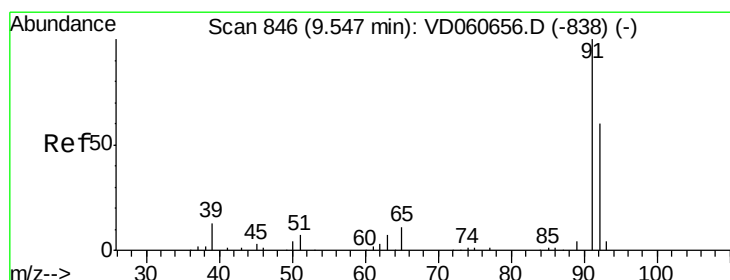
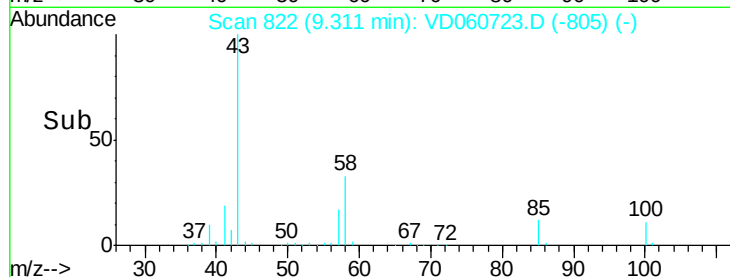
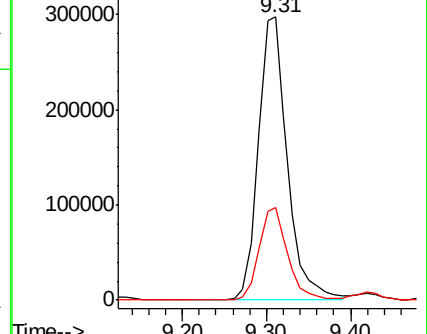
43 100

58 32.7 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.357 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.03 min

Lab File: VD060723.D

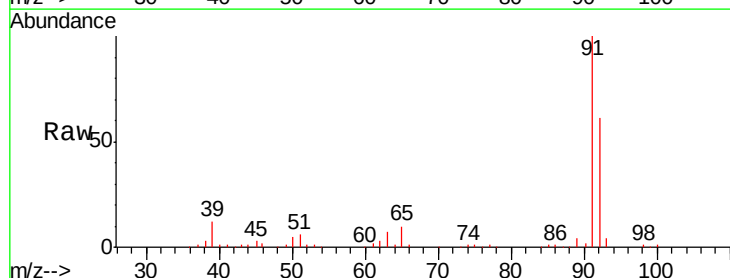
Acq: 27 Dec 2018 13:43

Tgt Ion: 92 Resp: 707523

Ion Ratio Lower Upper

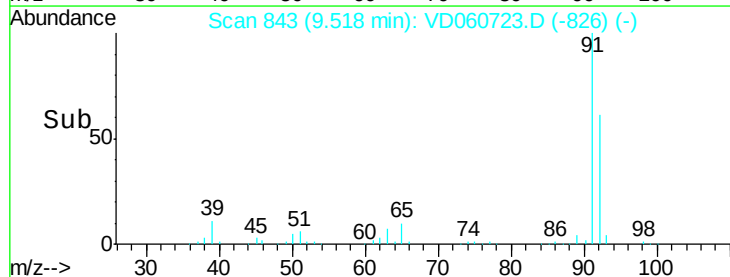
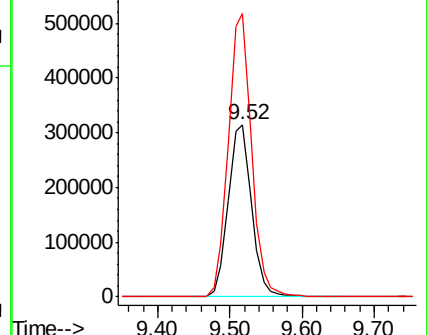
92 100

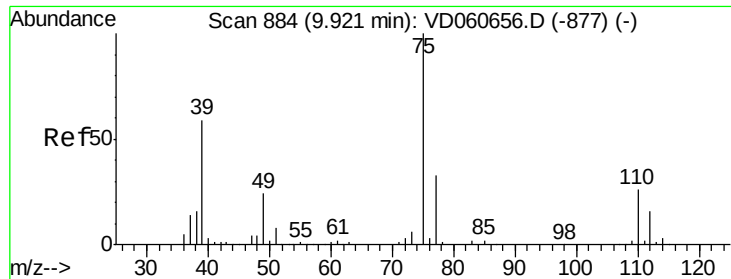
91 164.6 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

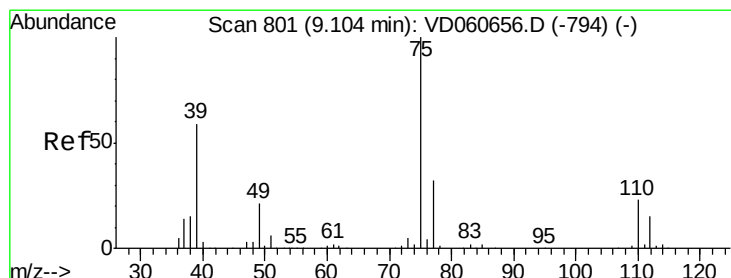
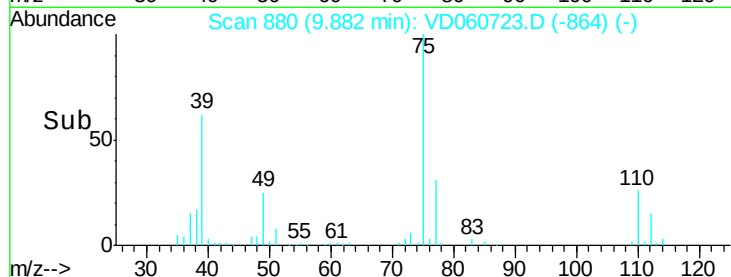
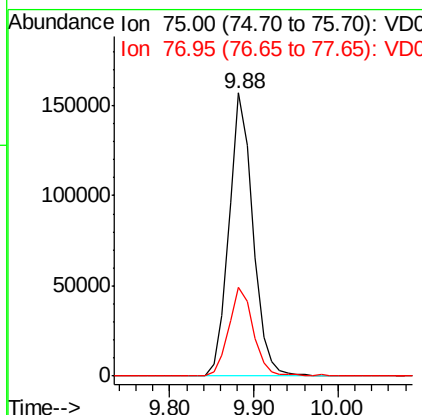
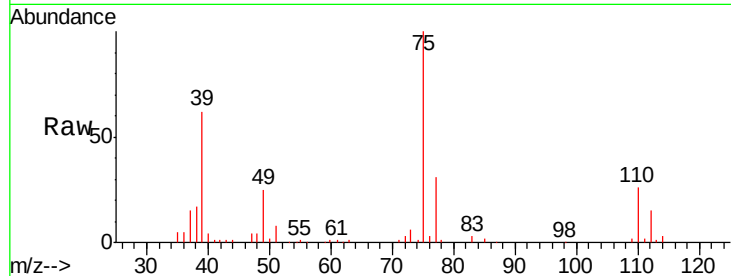




#53
 t-1,3-Dichloropropene
 Concen: 20.177 ug/l
 RT: 9.88 min Scan# 880
 Delta R.T. -0.04 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

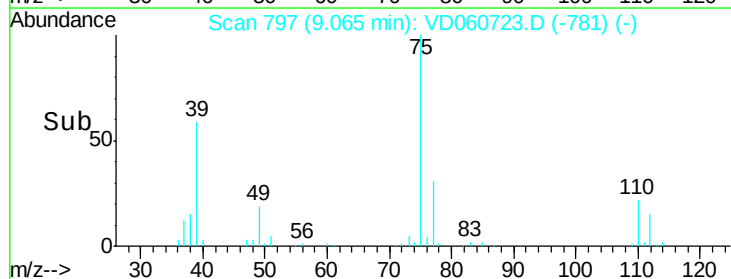
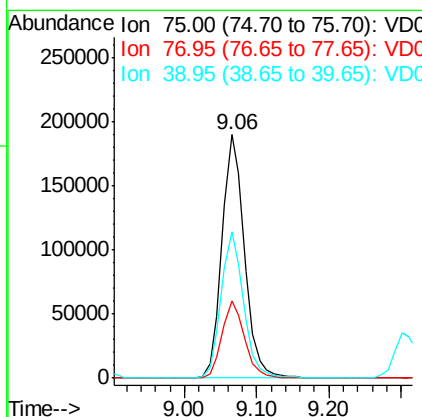
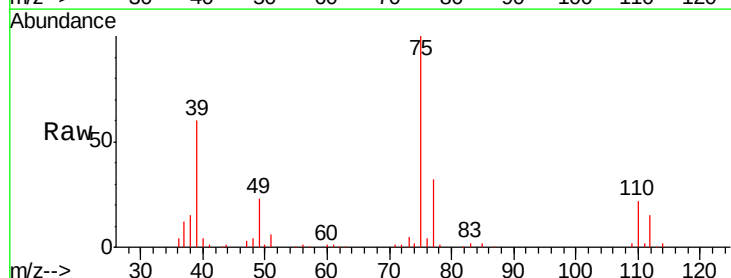
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

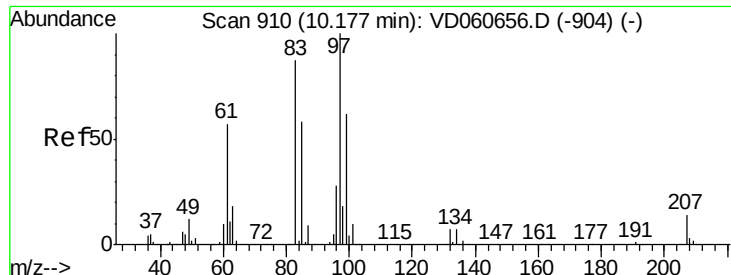
Tgt Ion: 75 Resp: 309383
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.434 ug/l
 RT: 9.06 min Scan# 797
 Delta R.T. -0.04 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion: 75 Resp: 410116
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2
 39 59.9 47.0 70.4

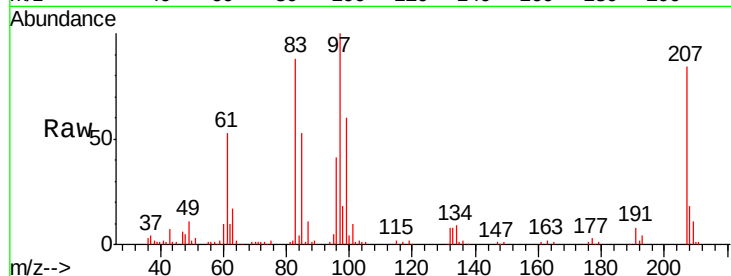




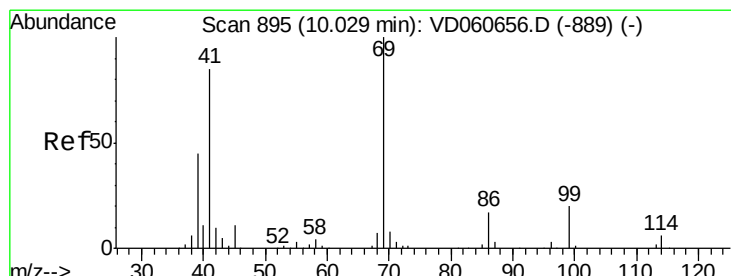
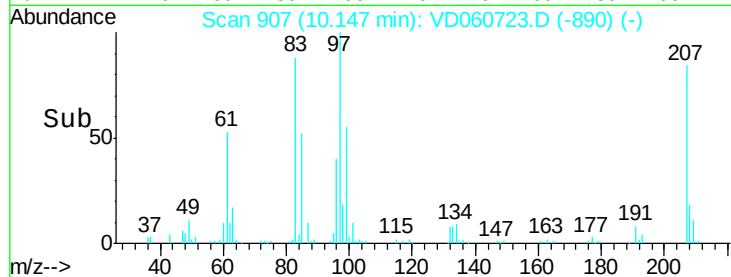
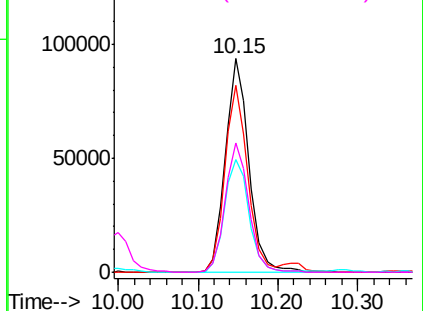
#55
 1,1,2-Trichloroethane
 Concen: 20.866 ug/l
 RT: 10.15 min Scan# 907
 Delta R.T. -0.03 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

Tgt Ion:	97	Resp:	195124
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.0	105.0
85	52.7	46.6	70.0
99	60.4	49.6	74.4

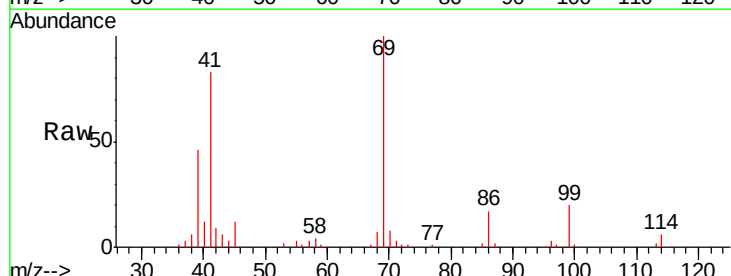


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

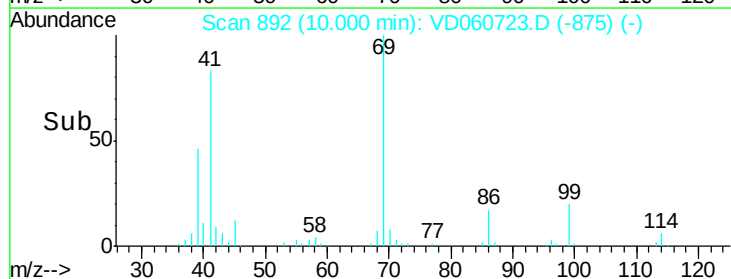
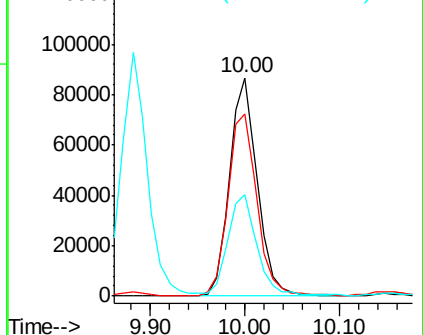


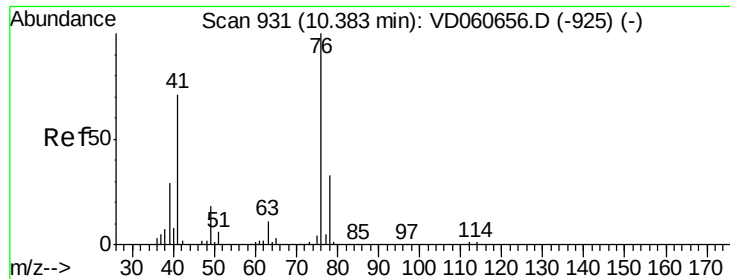
#56
 Ethyl methacrylate
 Concen: 20.152 ug/l
 RT: 10.00 min Scan# 892
 Delta R.T. -0.03 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion:	69	Resp:	175038
Ion	Ratio	Lower	Upper
69	100		
41	83.2	68.3	102.5
39	46.4	37.2	55.8



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

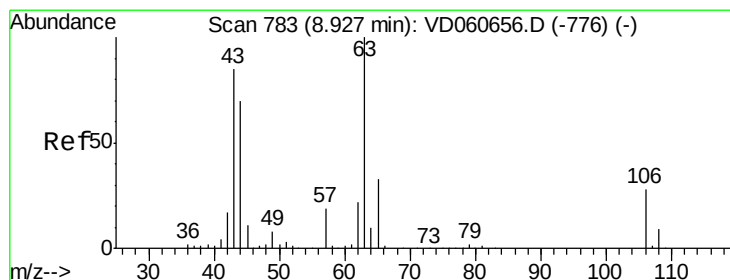
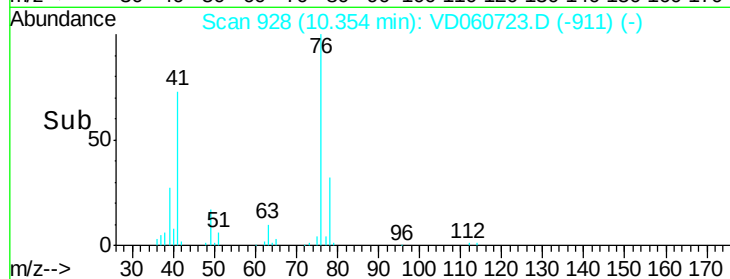
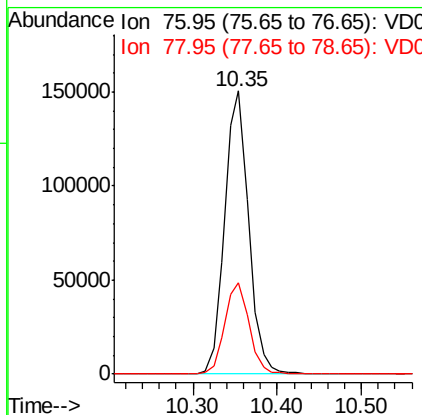
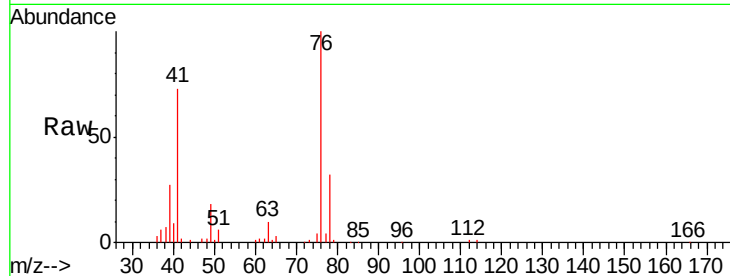




#57
 1,3-Dichloropropane
 Concen: 19.993 ug/l
 RT: 10.35 min Scan# 928
 Delta R.T. -0.03 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

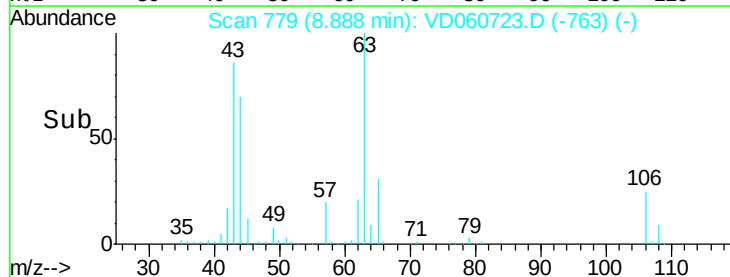
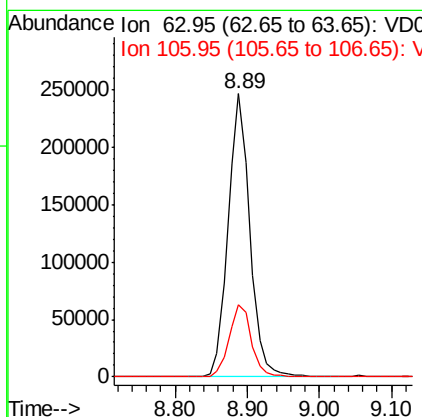
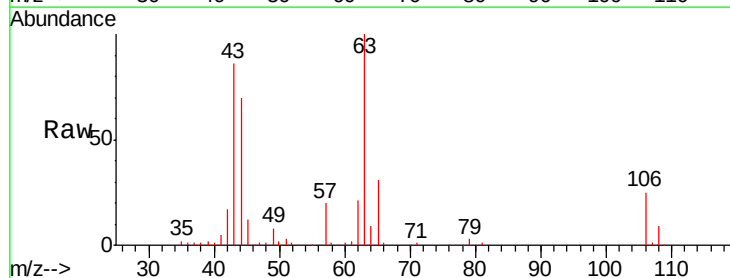
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

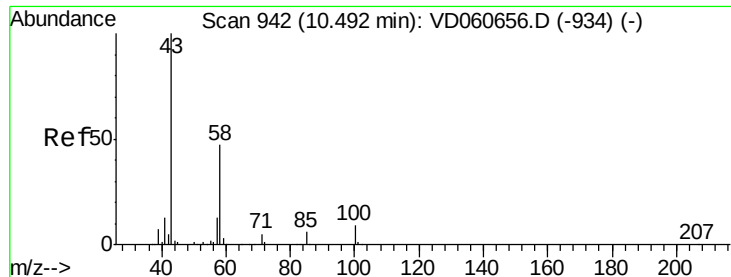
Tgt Ion: 76 Resp: 296345
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.844 ug/l
 RT: 8.89 min Scan# 779
 Delta R.T. -0.04 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion: 63 Resp: 516105
 Ion Ratio Lower Upper
 63 100
 106 25.4 22.4 33.6

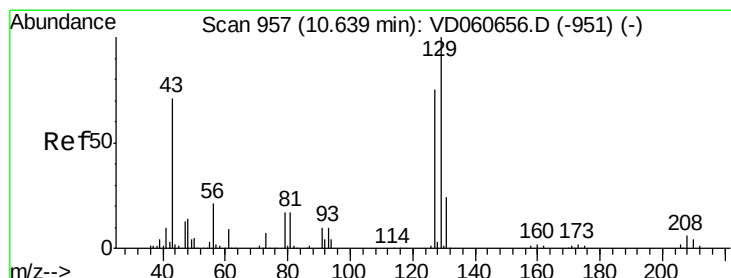
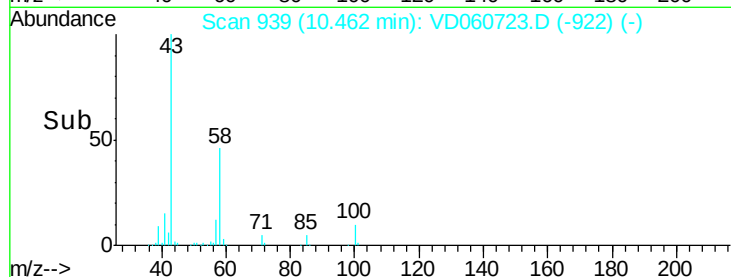
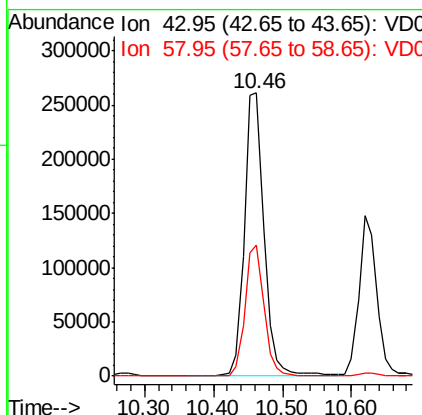
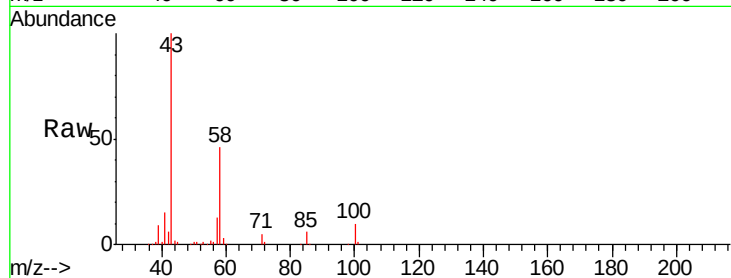




#59
2-Hexanone
Concen: 104.932 ug/l
RT: 10.46 min Scan# 939
Delta R.T. -0.03 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

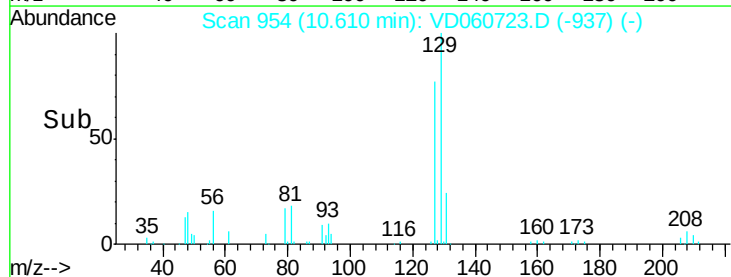
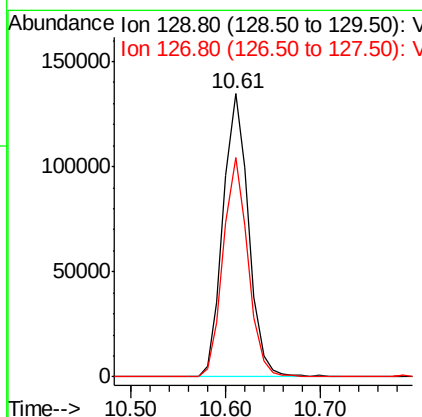
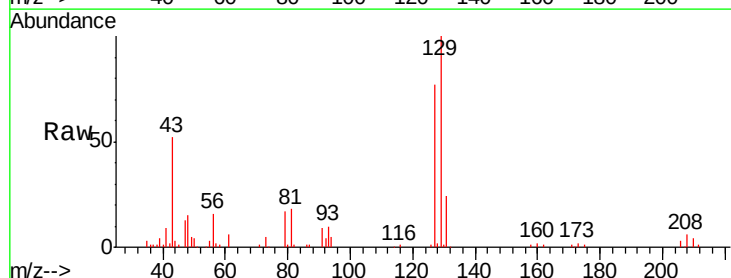
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

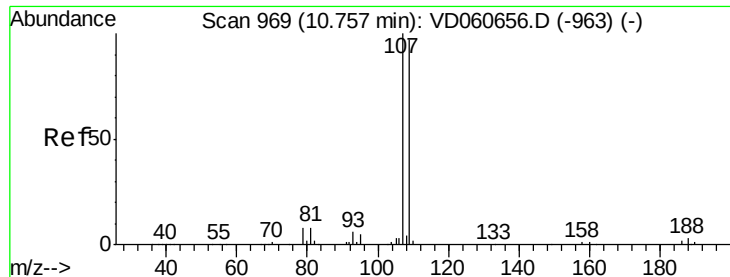
Tgt Ion: 43 Resp: 518367
Ion Ratio Lower Upper
43 100
58 46.3 23.5 70.5



#60
Dibromochloromethane
Concen: 21.105 ug/l
RT: 10.61 min Scan# 954
Delta R.T. -0.03 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion: 129 Resp: 251383
Ion Ratio Lower Upper
129 100
127 77.3 37.6 112.9





#61

1,2-Dibromoethane

Concen: 20.123 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

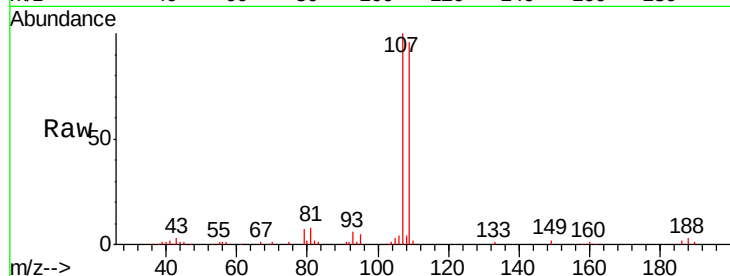
VD1227SBS01

Tgt Ion: 107 Resp: 195183

Ion Ratio Lower Upper

107 100

109 96.0 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.73

120000

100000

80000

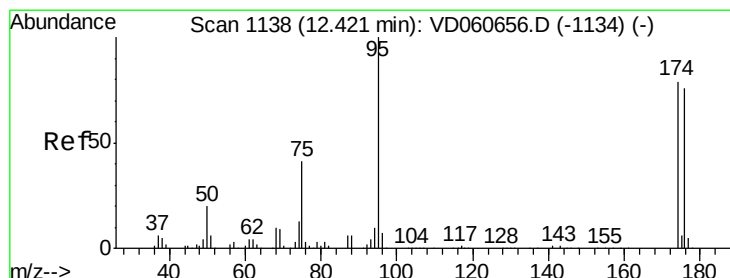
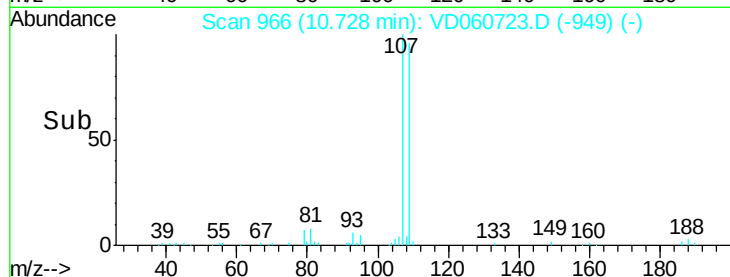
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.123 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

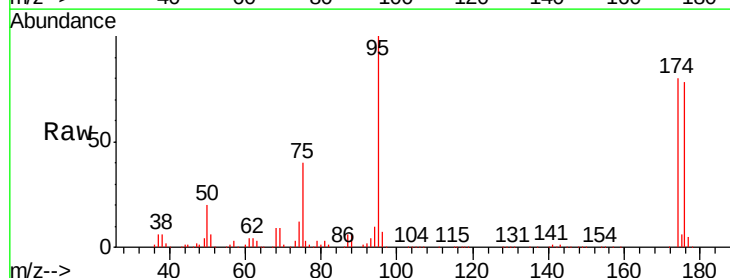
Tgt Ion: 95 Resp: 826495

Ion Ratio Lower Upper

95 100

174 80.2 0.0 158.2

176 78.4 0.0 152.4



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

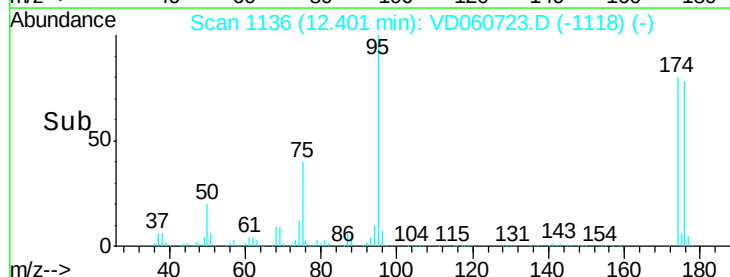
600000

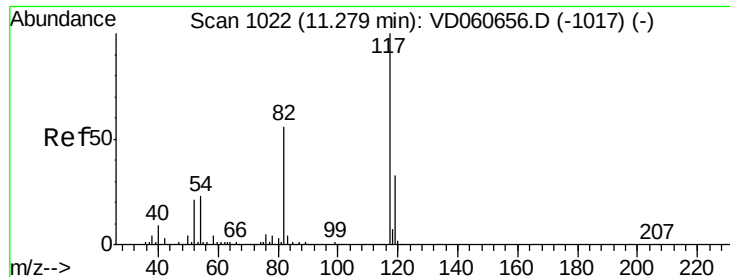
400000

200000

0

Time-->

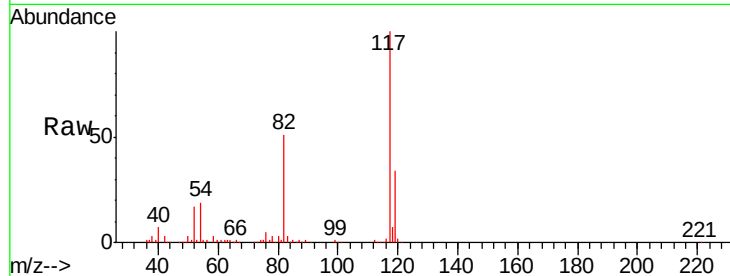




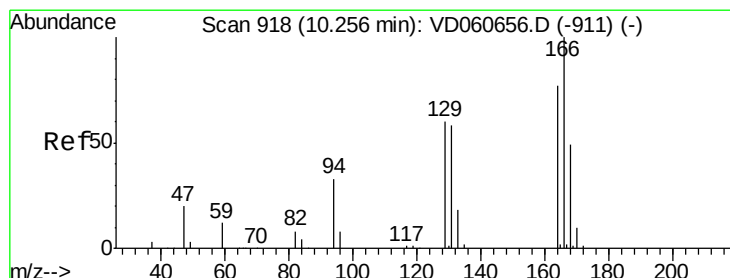
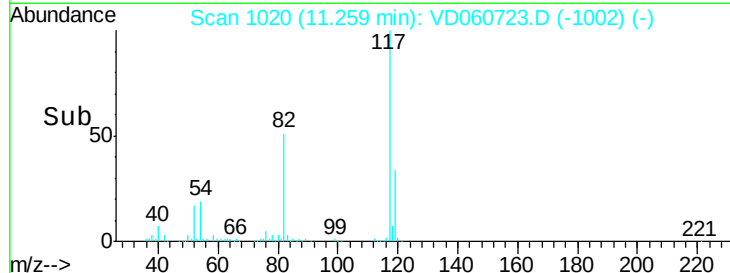
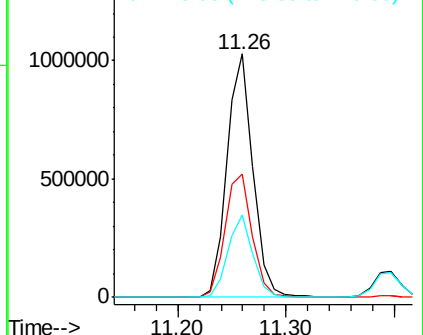
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 1020
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Tgt Ion:117 Resp: 1710513
Ion Ratio Lower Upper
117 100
82 50.6 44.5 66.7
119 33.8 26.3 39.5

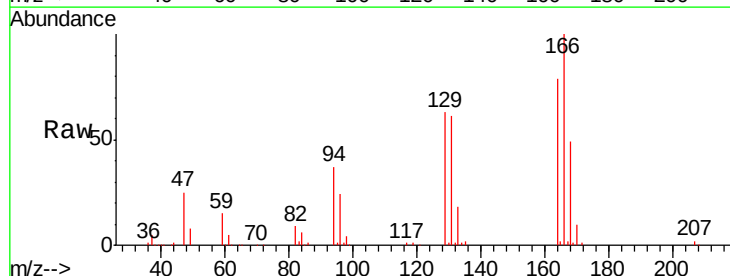


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

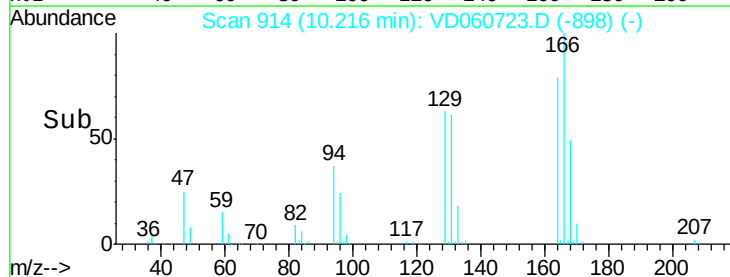
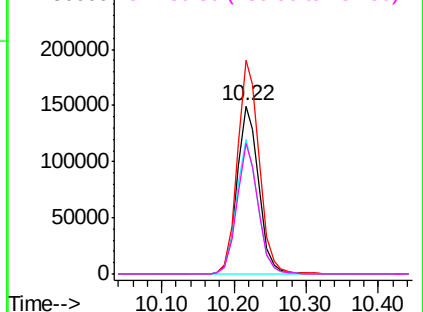


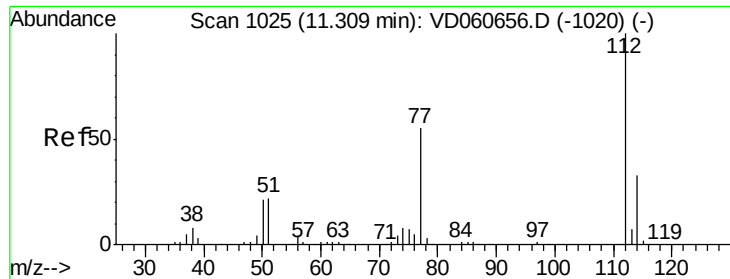
#64
Tetrachloroethene
Concen: 20.052 ug/l
RT: 10.22 min Scan# 914
Delta R.T. -0.04 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion:164 Resp: 310872
Ion Ratio Lower Upper
164 100
166 127.3 104.4 156.6
129 80.3 62.7 94.1
131 77.9 61.1 91.7



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

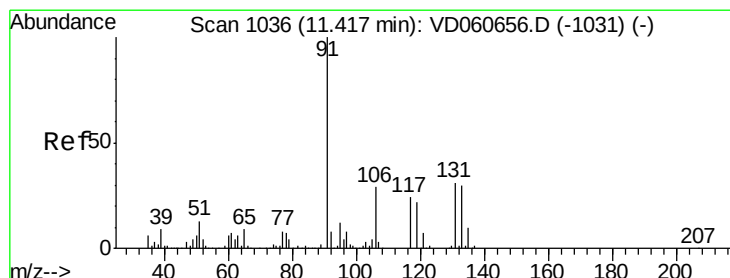
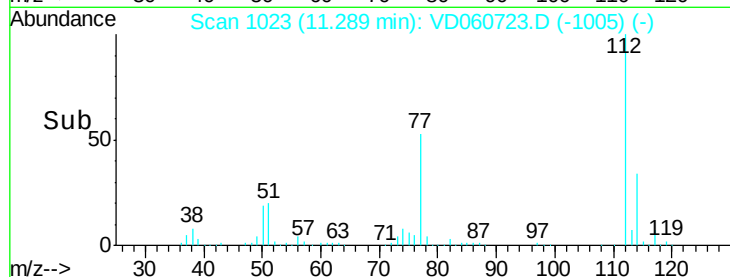
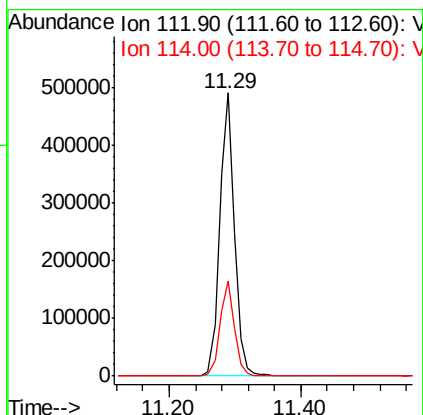
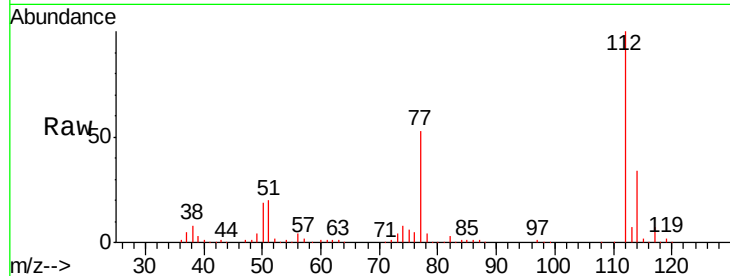




#65
Chlorobenzene
Concen: 20.116 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

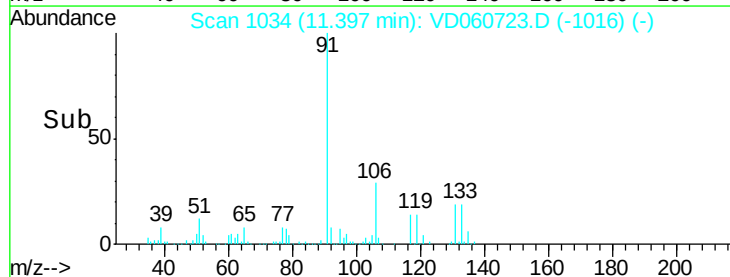
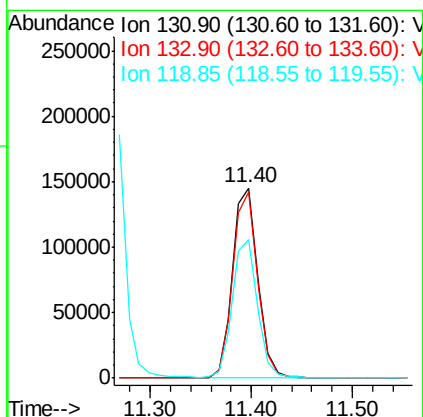
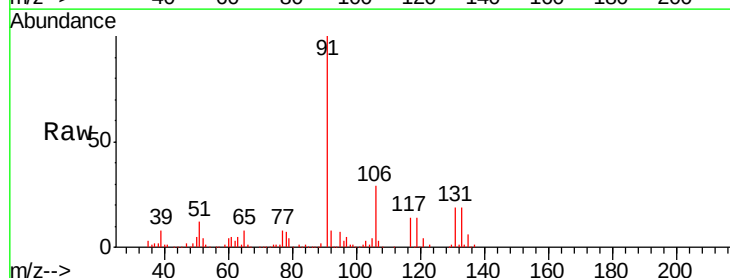
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

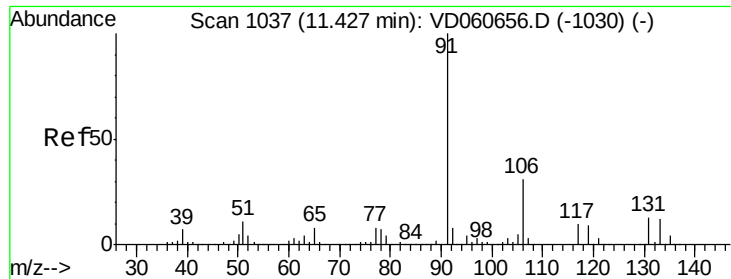
Tgt Ion:112 Resp: 760201
Ion Ratio Lower Upper
112 100
114 33.5 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.689 ug/l
RT: 11.40 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion:131 Resp: 251395
Ion Ratio Lower Upper
131 100
133 97.4 49.1 147.3
119 72.7 36.6 109.8

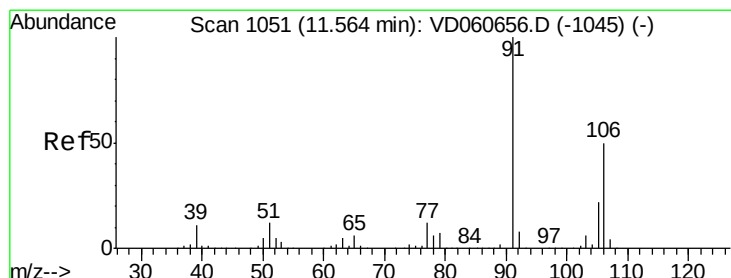
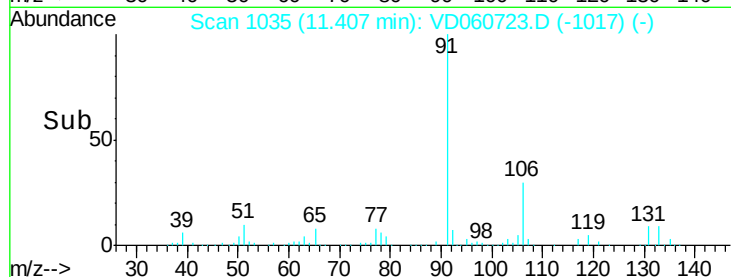
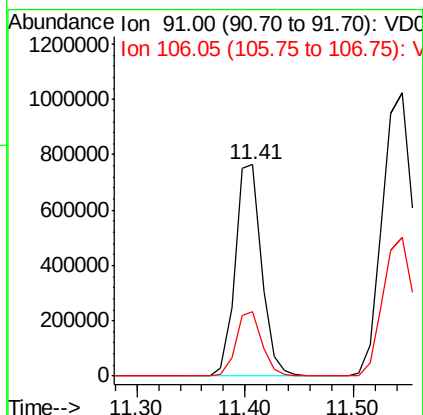
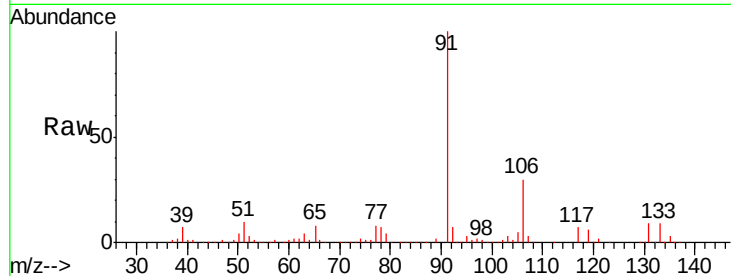




#67
Ethyl Benzene
Concen: 20.150 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

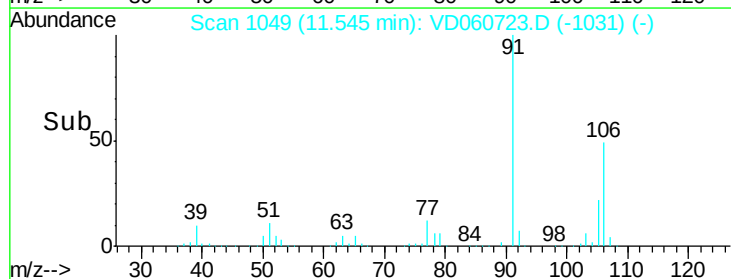
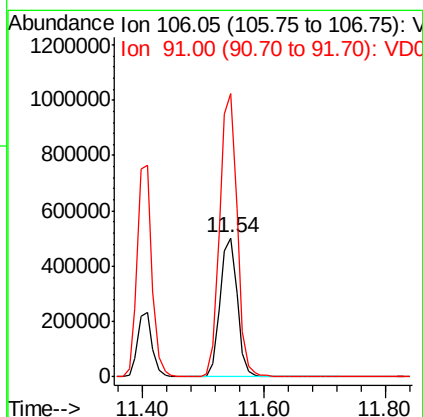
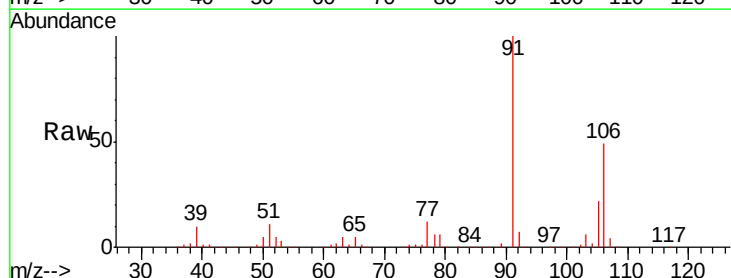
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

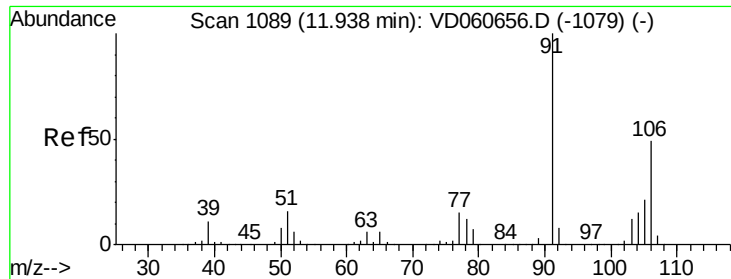
Tgt Ion: 91 Resp: 1304122
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 41.806 ug/l
RT: 11.54 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion: 106 Resp: 988825
Ion Ratio Lower Upper
106 100
91 203.4 158.9 238.3

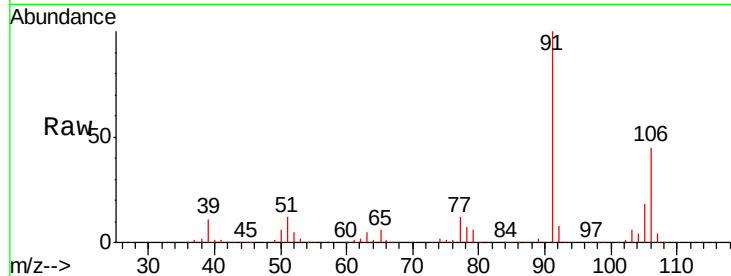




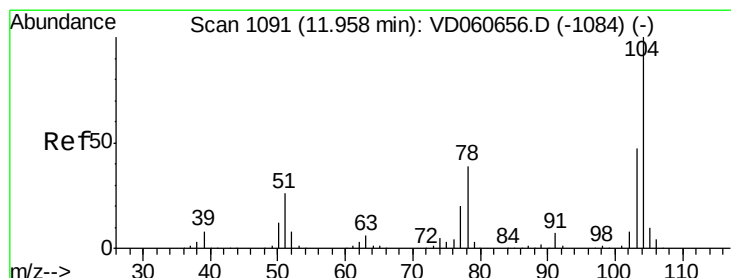
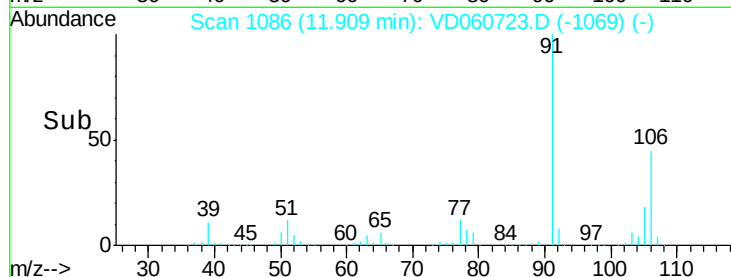
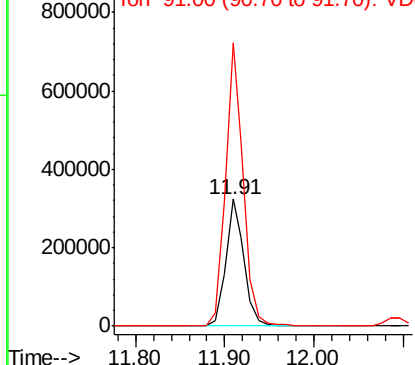
#69
o-Xylene
Concen: 20.568 ug/l
RT: 11.91 min Scan# 1086
Delta R.T. -0.03 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion:106 Resp: 461555
Ion Ratio Lower Upper
106 100
91 223.5 101.5 304.5

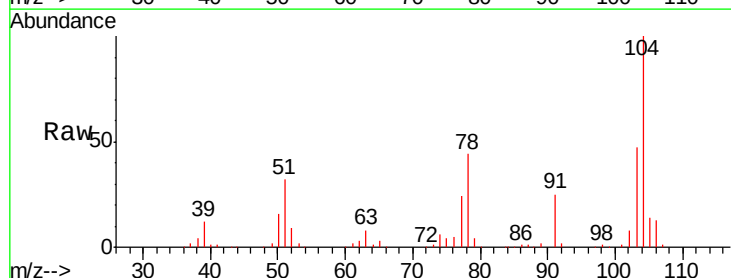


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

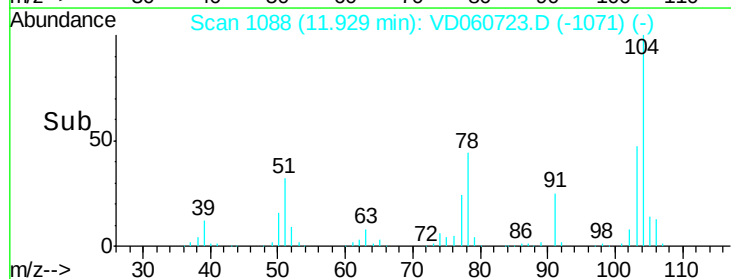
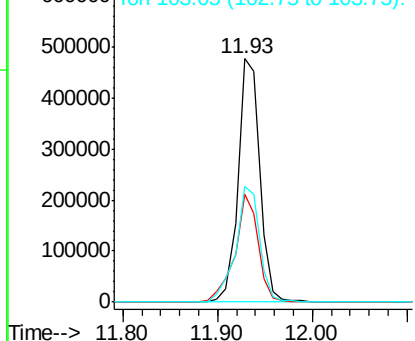


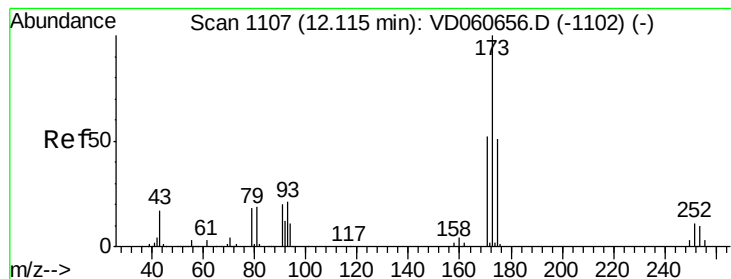
#70
Styrene
Concen: 20.925 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.03 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion:104 Resp: 756268
Ion Ratio Lower Upper
104 100
78 44.4 31.4 47.2
103 47.5 37.5 56.3



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





#71

Bromoform

Concen: 19.751 ug/l

RT: 12.10 min Scan# 1105

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD01

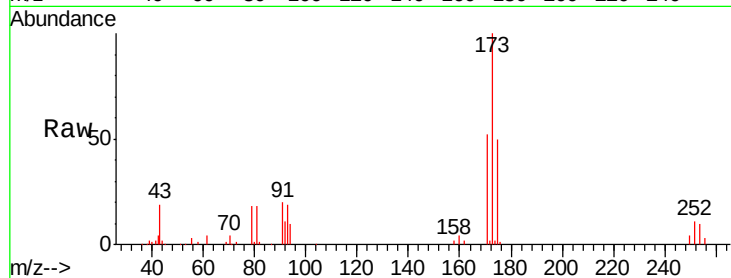
Tgt Ion:173 Resp: 158420

Ion Ratio Lower Upper

173 100

175 50.3 25.5 76.5

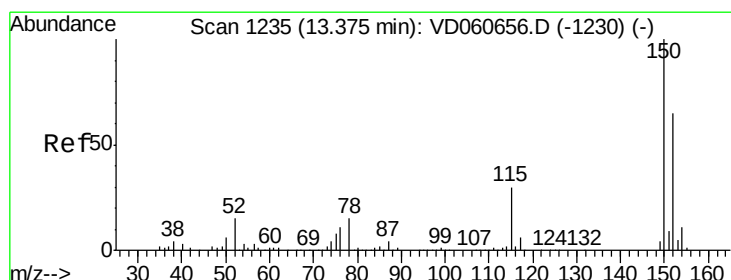
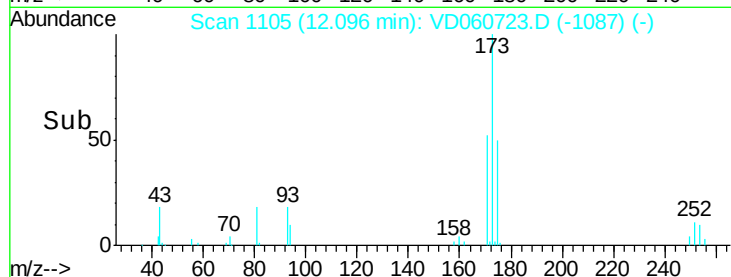
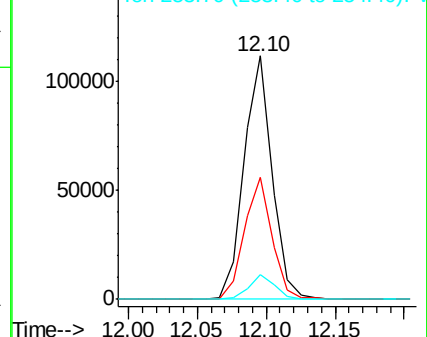
254 9.9 7.9 11.9



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: 13.36 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

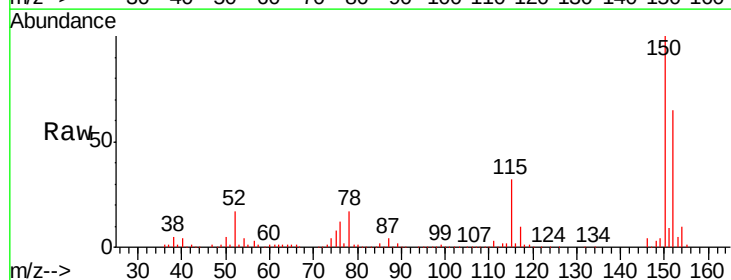
Tgt Ion:152 Resp: 878346

Ion Ratio Lower Upper

152 100

115 49.3 24.1 72.3

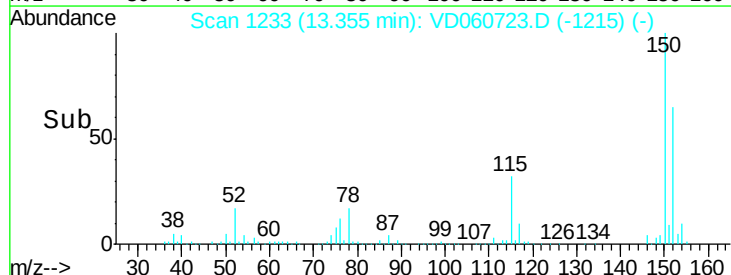
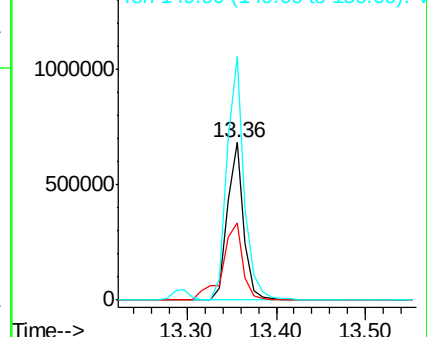
150 154.6 0.0 315.0

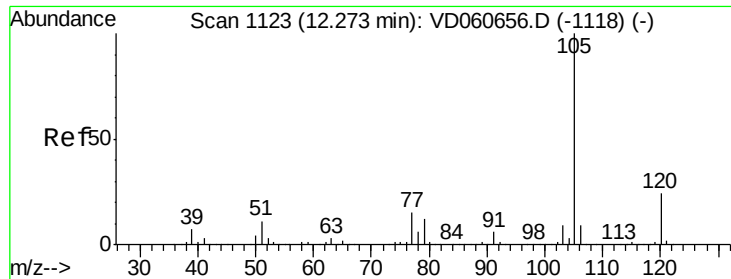


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.839 ug/l

RT: 12.25 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

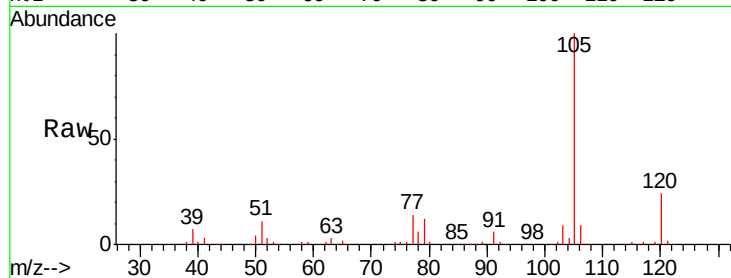
VD1227SBS01

Tgt Ion: 105 Resp: 1303192

Ion Ratio Lower Upper

105 100

120 24.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

400000

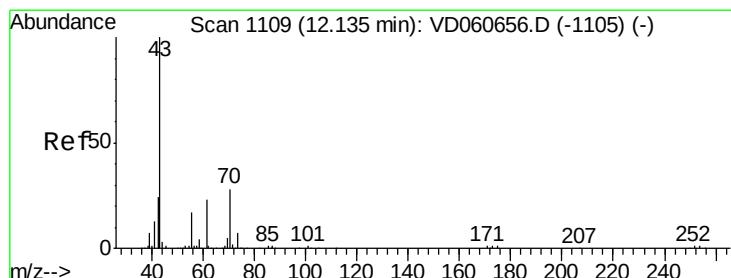
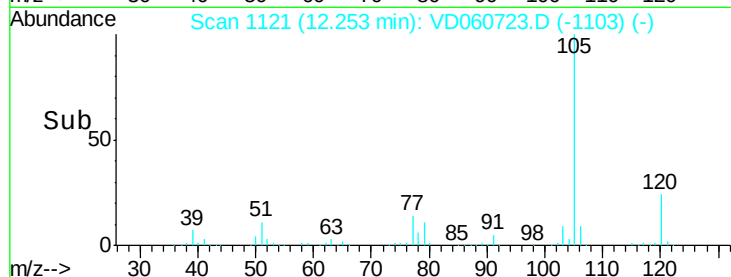
200000

0

12.25

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.825 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Tgt Ion: 43 Resp: 292609

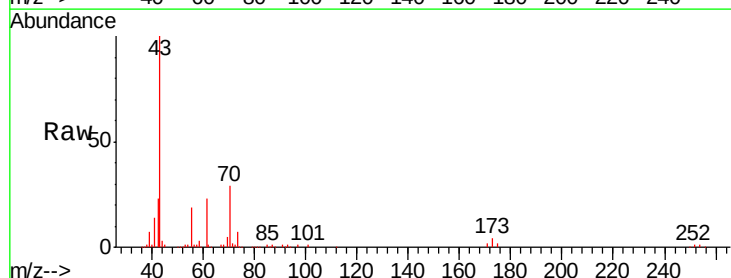
Ion Ratio Lower Upper

43 100

70 28.7 22.2 33.2

55 18.6 13.8 20.8

61 23.3 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

250000

200000

150000

100000

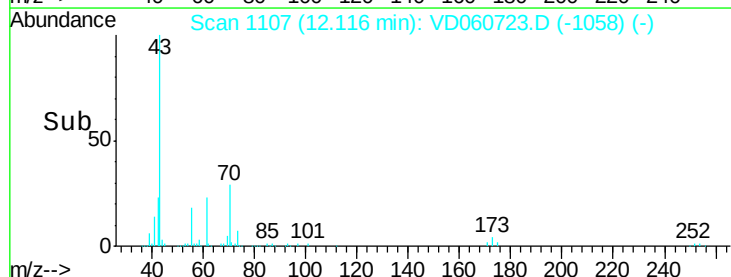
50000

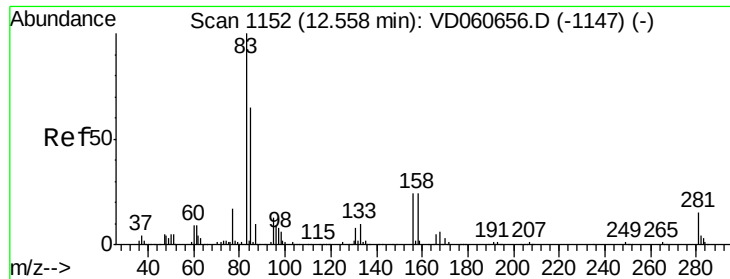
0

12.12

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.650 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

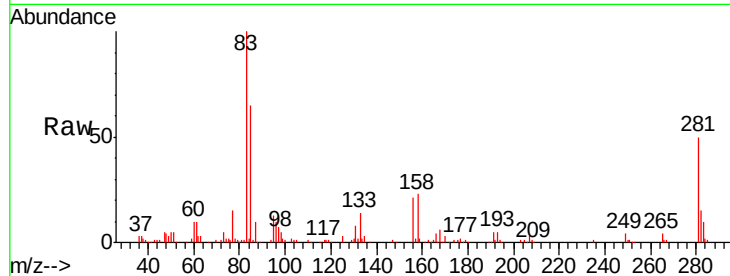
Tgt Ion: 83 Resp: 209320

Ion Ratio Lower Upper

83 100

131 7.8 4.2 12.4

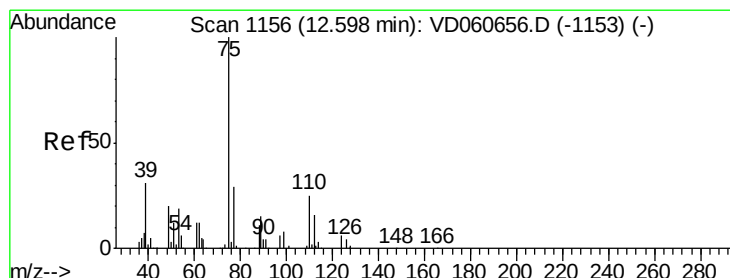
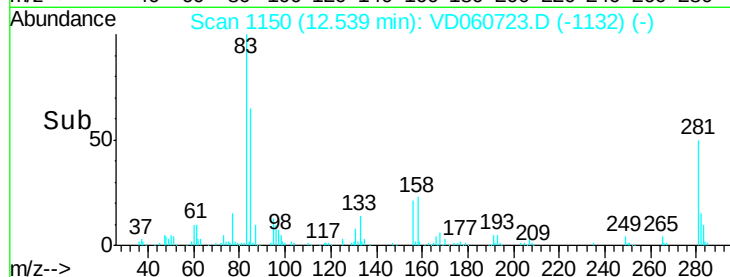
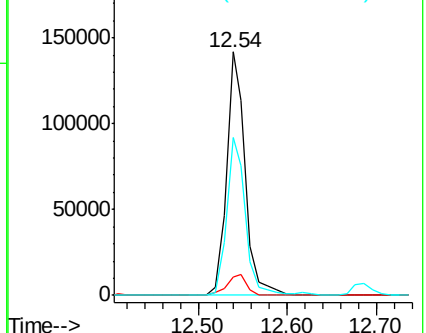
85 64.9 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.001 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VD060723.D

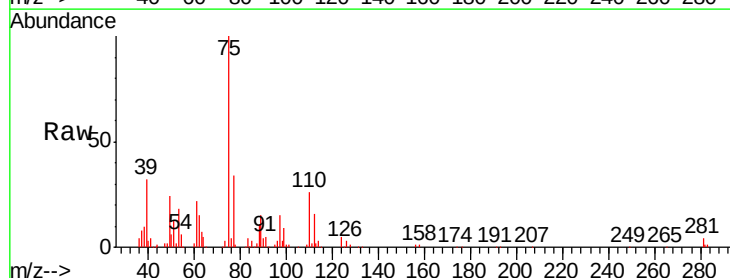
Acq: 27 Dec 2018 13:43

Tgt Ion: 75 Resp: 200003

Ion Ratio Lower Upper

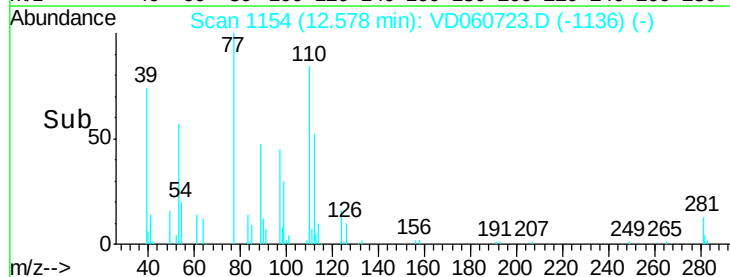
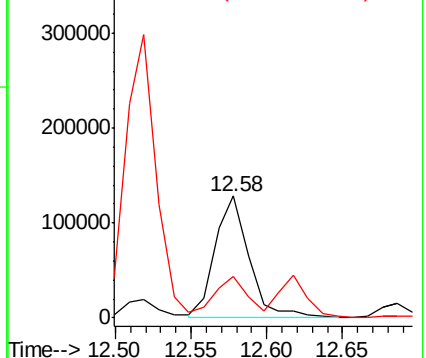
75 100

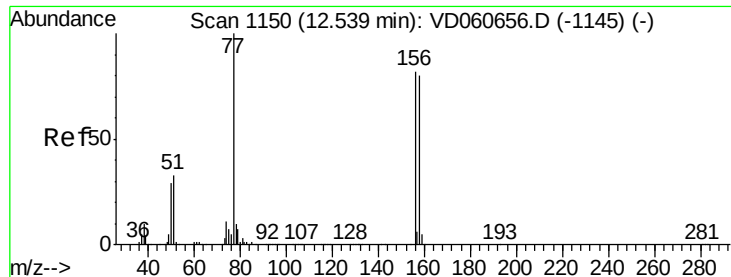
77 33.5 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.937 ug/l

RT: 12.52 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

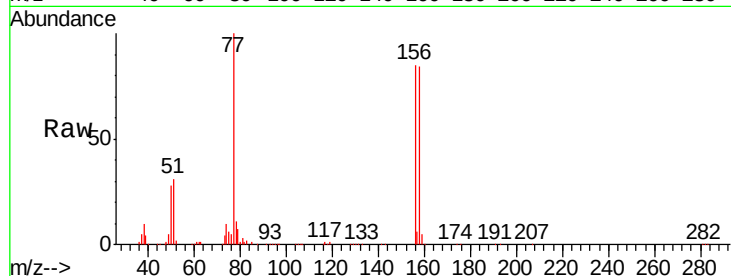
Tgt Ion:156 Resp: 345673

Ion Ratio Lower Upper

156 100

77 117.9 61.3 183.9

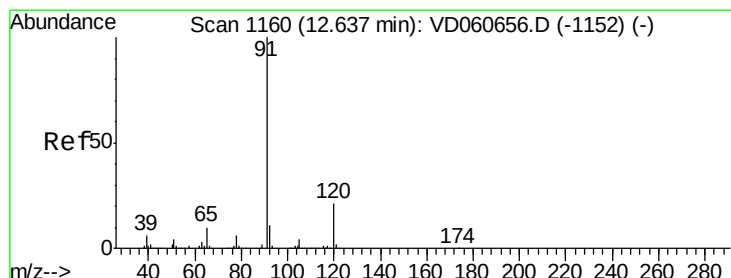
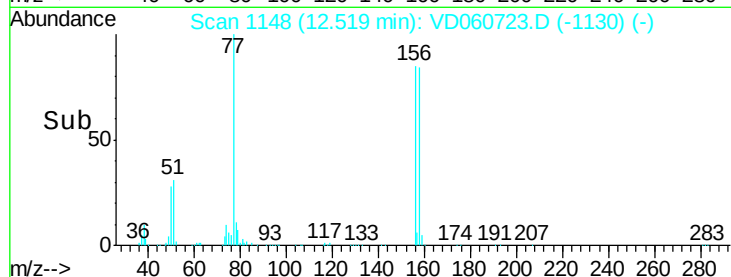
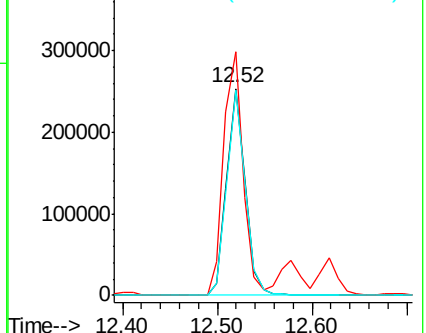
158 99.2 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.235 ug/l

RT: 12.62 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VD060723.D

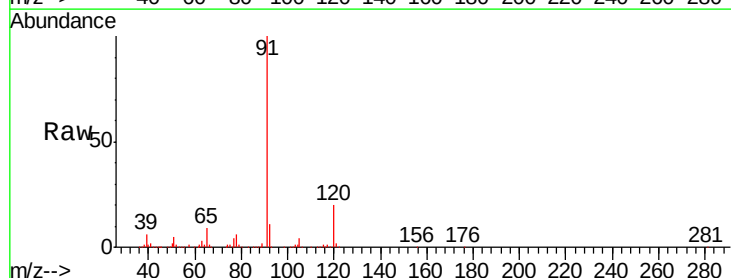
Acq: 27 Dec 2018 13:43

Tgt Ion: 91 Resp: 1697726

Ion Ratio Lower Upper

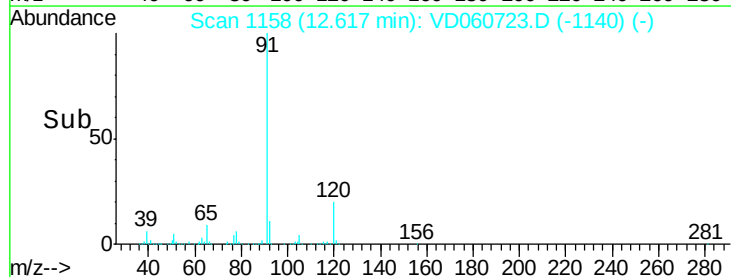
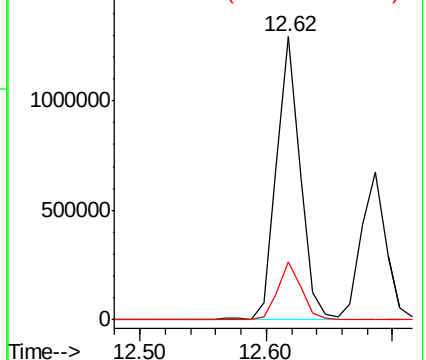
91 100

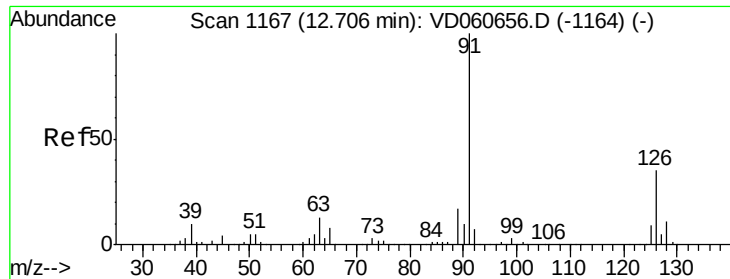
120 20.4 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

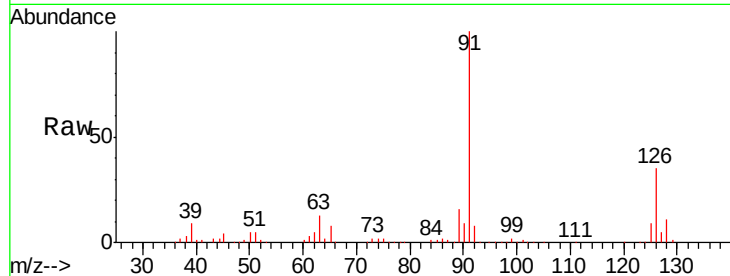




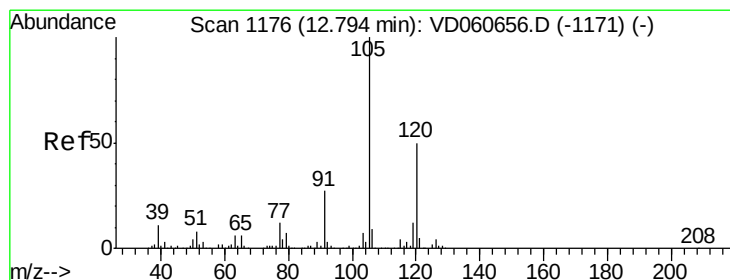
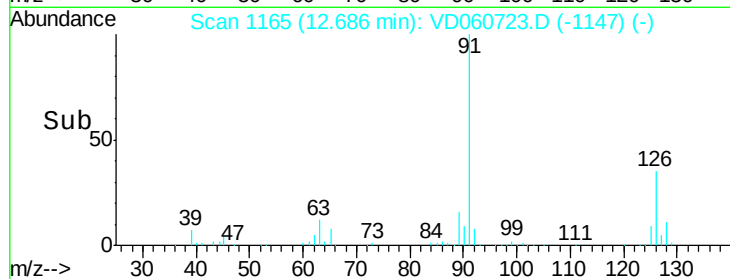
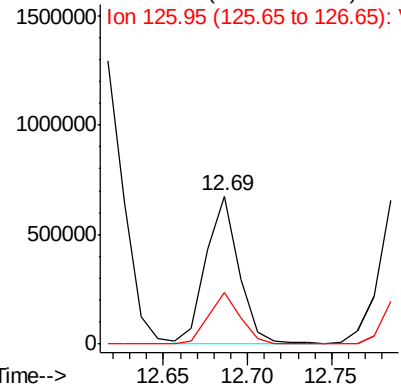
#79
2-Chlorotoluene
Concen: 21.427 ug/l
RT: 12.69 min Scan# 1165
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Tgt Ion: 91 Resp: 917556
Ion Ratio Lower Upper
91 100
126 35.1 17.2 51.5

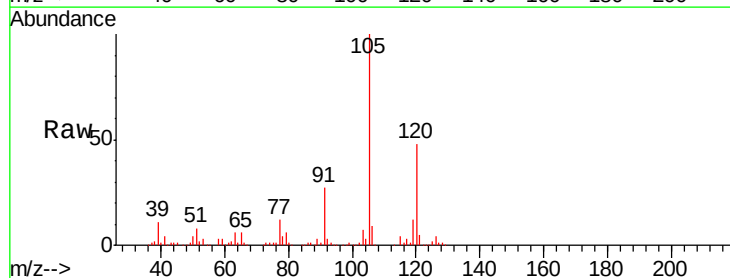


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

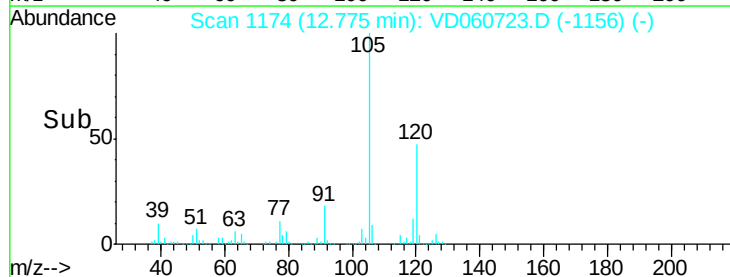
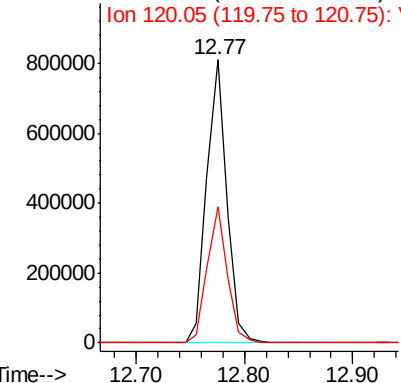


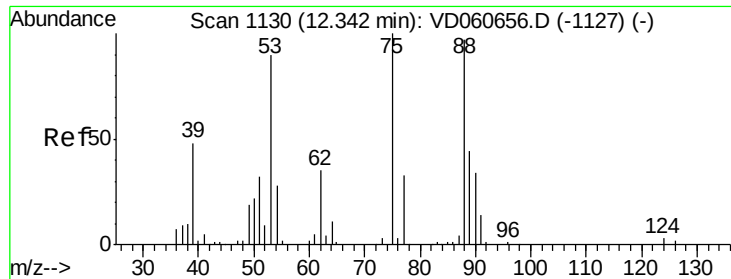
#80
1,3,5-Trimethylbenzene
Concen: 21.692 ug/l
RT: 12.77 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion: 105 Resp: 1047513
Ion Ratio Lower Upper
105 100
120 48.2 24.8 74.4



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

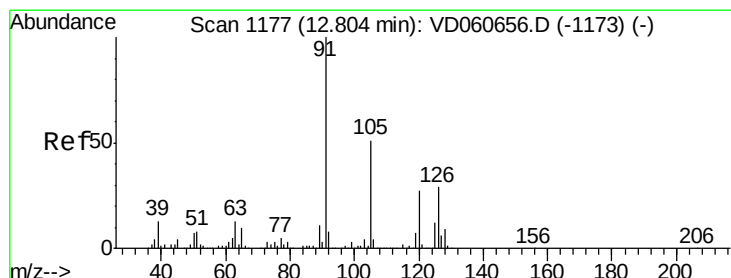
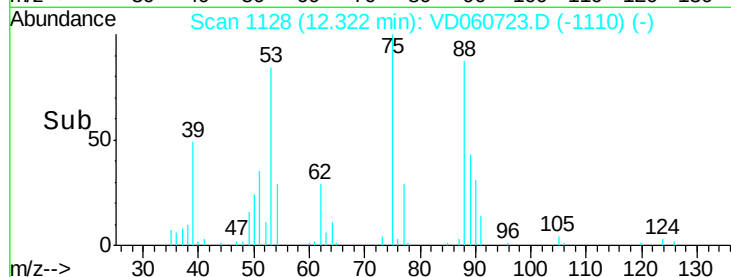
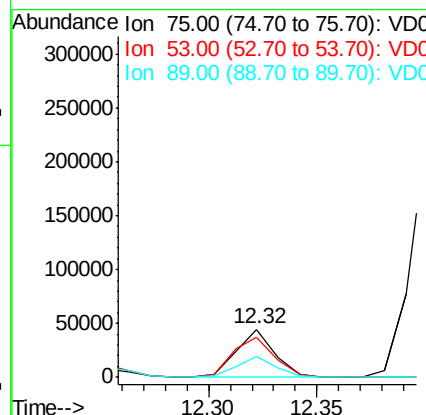
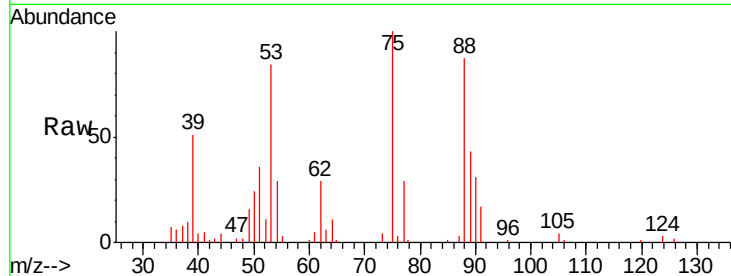




#81
trans-1,4-Dichloro-2-butene
Concen: 19.915 ug/l
RT: 12.32 min Scan# 1128
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

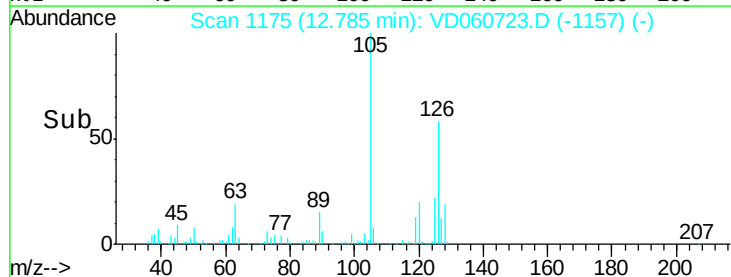
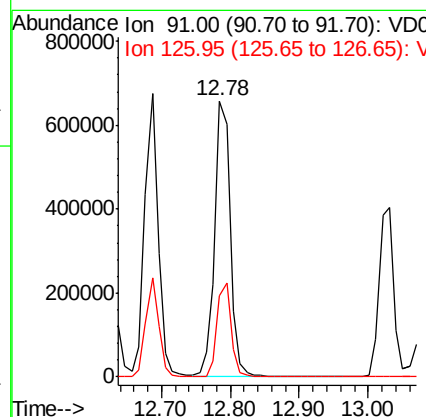
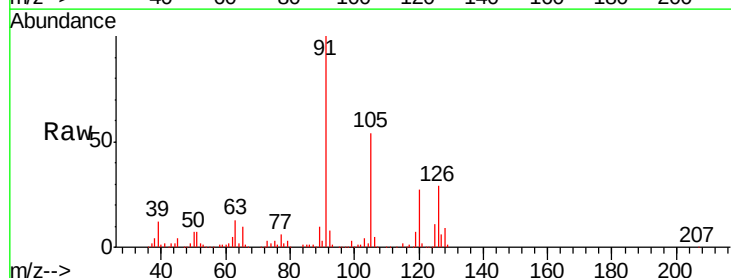
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

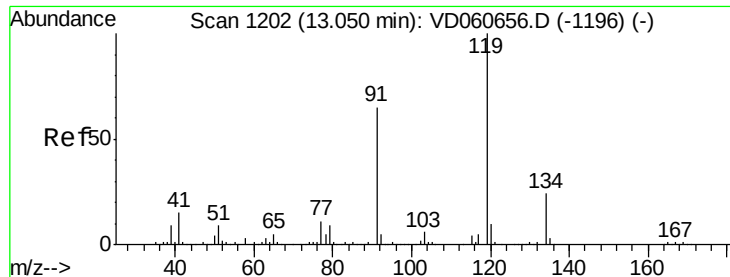
Tgt Ion: 75 Resp: 55030
Ion Ratio Lower Upper
75 100
53 83.8 72.1 108.1
89 43.4 35.1 52.7



#82
4-Chlorotoluene
Concen: 21.399 ug/l
RT: 12.78 min Scan# 1175
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion: 91 Resp: 1038614
Ion Ratio Lower Upper
91 100
126 29.3 14.6 43.8

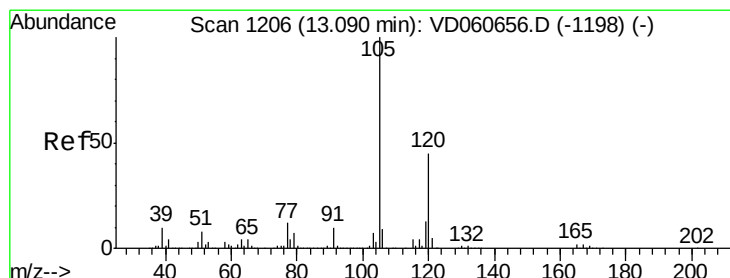
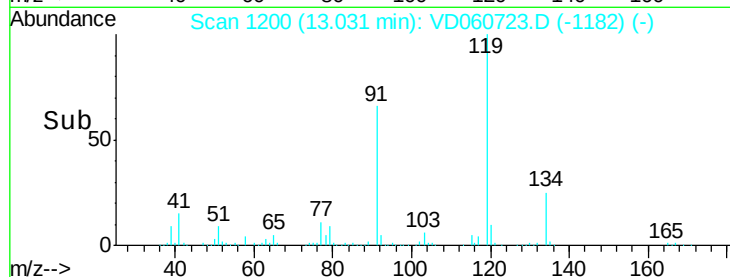
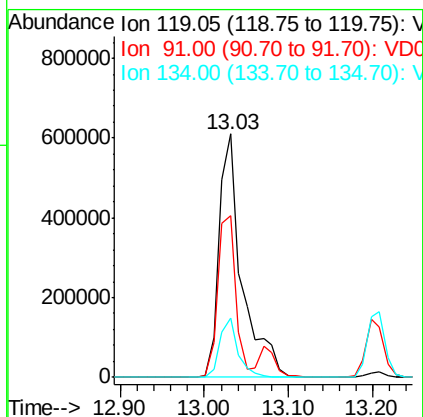
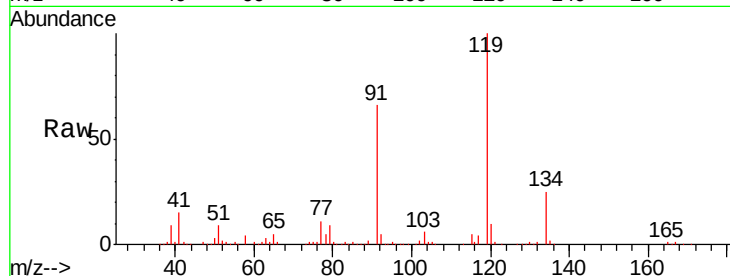




#83
 tert-Butylbenzene
 Concen: 21.035 ug/l
 RT: 13.03 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

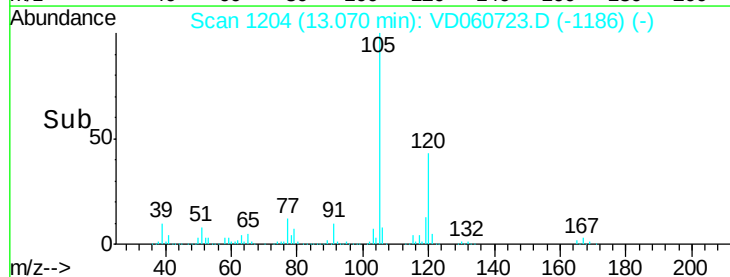
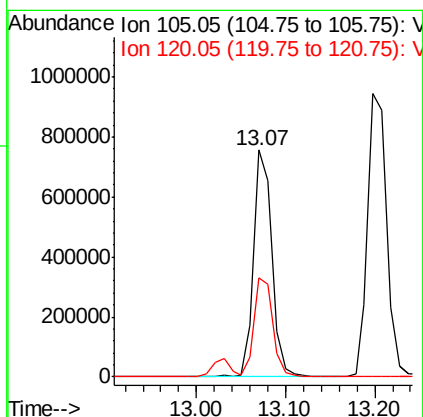
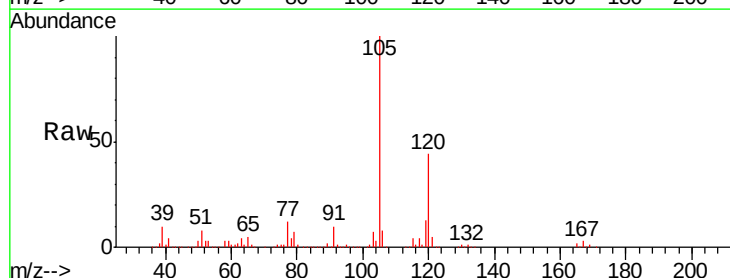
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

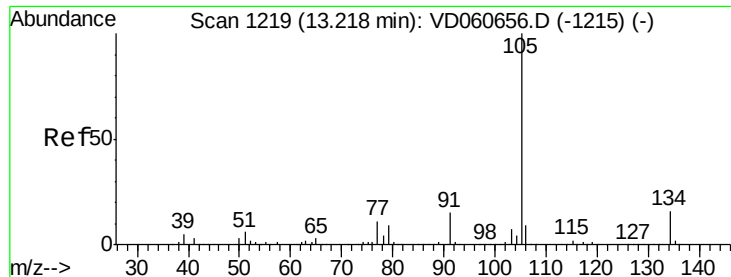
Tgt Ion:119 Resp: 1156038
 Ion Ratio Lower Upper
 119 100
 91 66.4 32.5 97.4
 134 24.6 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.382 ug/l
 RT: 13.07 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion:105 Resp: 1063474
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.872 ug/l

RT: 13.20 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

Instrument :

MSVOA_D

ClientSampleId :

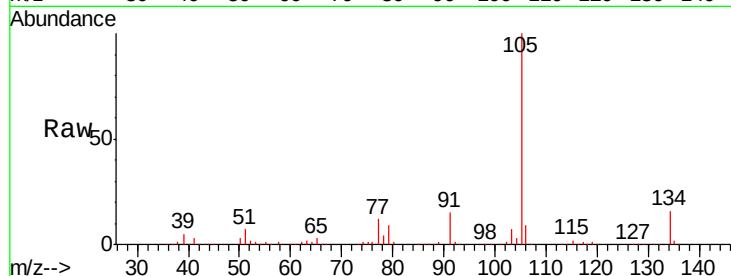
VD1227SBSD01

Tgt Ion:105 Resp: 1398923

Ion Ratio Lower Upper

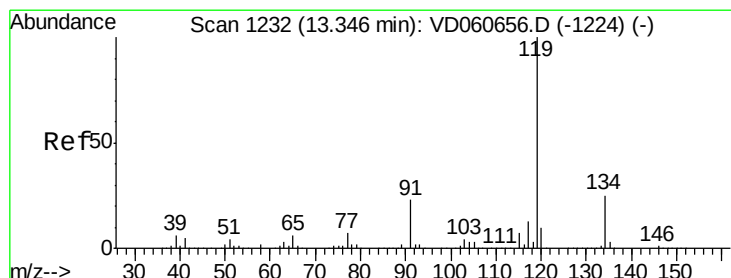
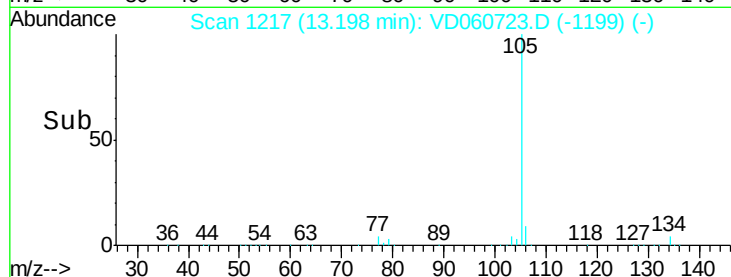
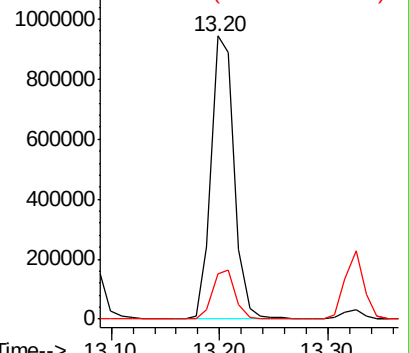
105 100

134 16.1 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.179 ug/l

RT: 13.33 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD060723.D

Acq: 27 Dec 2018 13:43

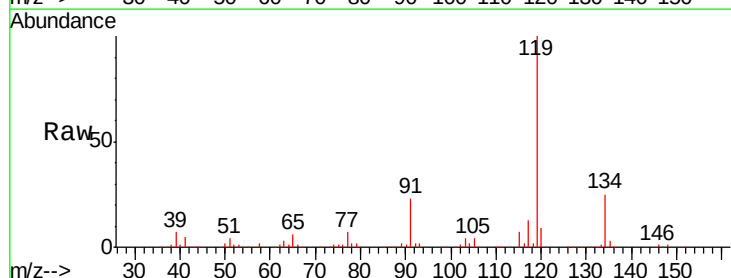
Tgt Ion:119 Resp: 1145826

Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

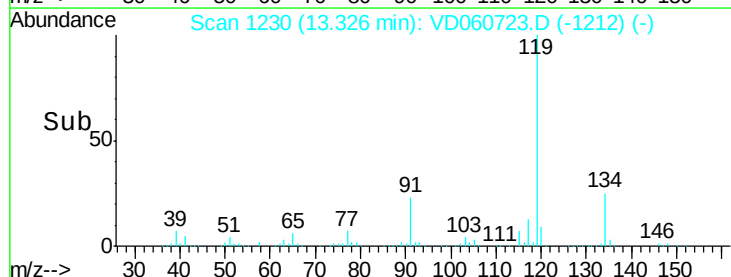
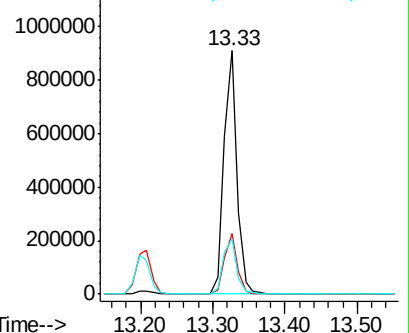
91 22.7 11.4 34.2

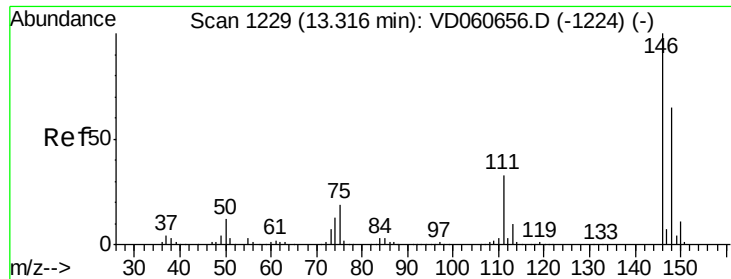


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

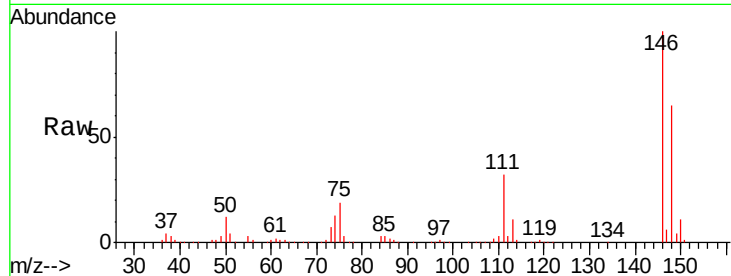




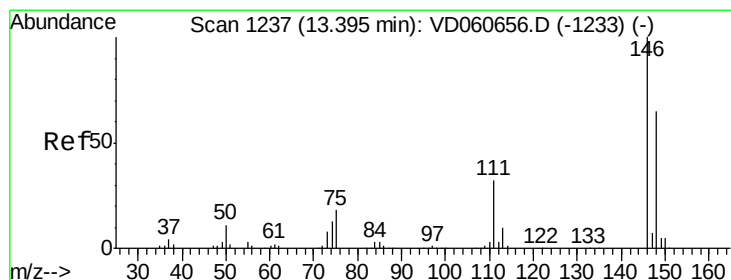
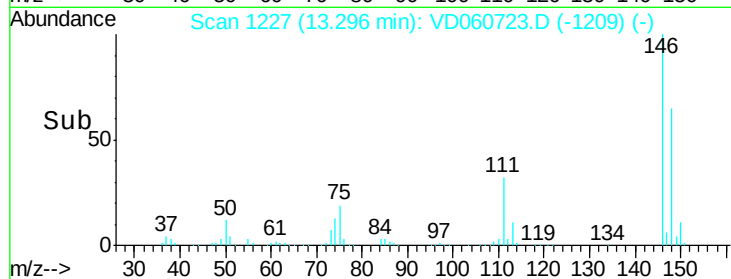
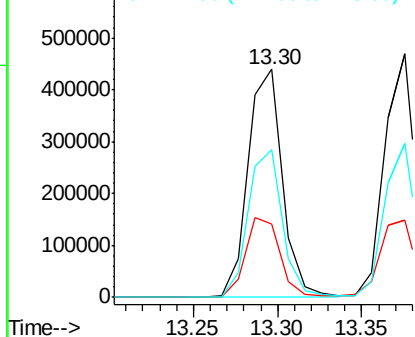
#87
 1,3-Dichlorobenzene
 Concen: 20.511 ug/l
 RT: 13.30 min Scan# 1227
 Delta R.T. -0.02 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tgt Ion:146 Resp: 621681
 Ion Ratio Lower Upper
 146 100
 111 32.0 16.6 49.8
 148 64.8 32.6 97.8

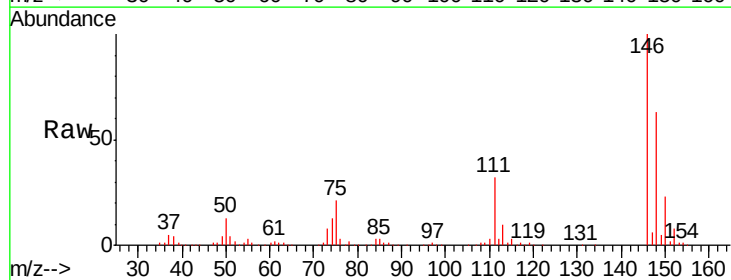


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

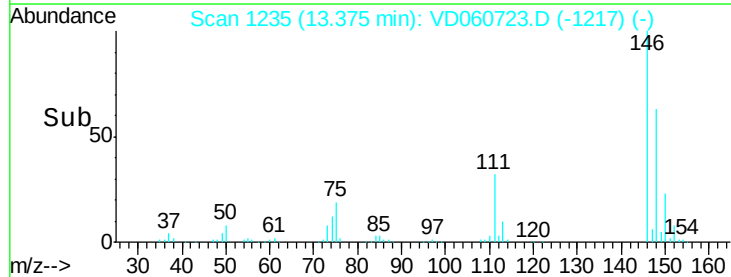
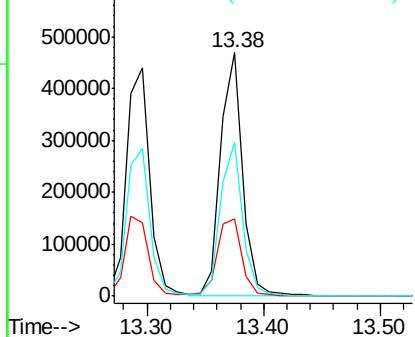


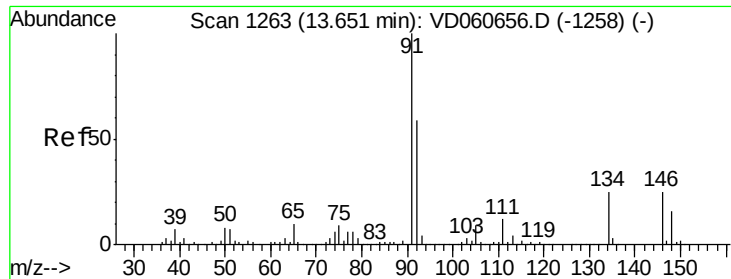
#88
 1,4-Dichlorobenzene
 Concen: 20.644 ug/l
 RT: 13.38 min Scan# 1235
 Delta R.T. -0.02 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion:146 Resp: 616568
 Ion Ratio Lower Upper
 146 100
 111 31.6 16.2 48.5
 148 63.3 32.7 98.1



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

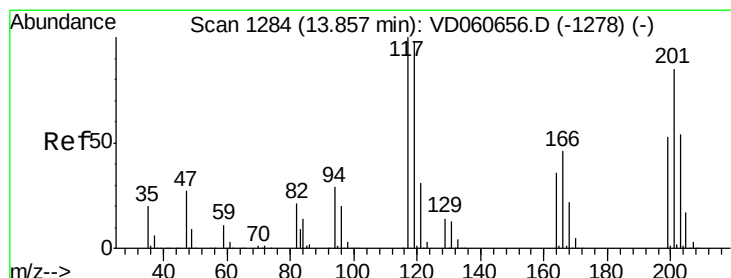
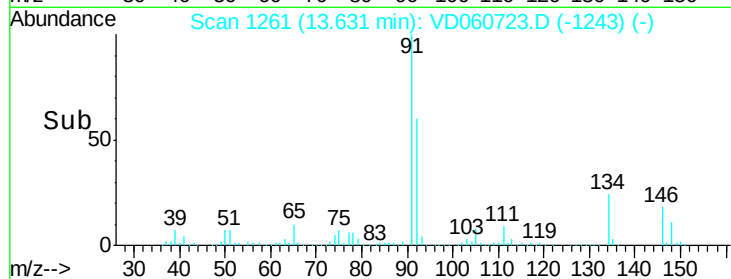
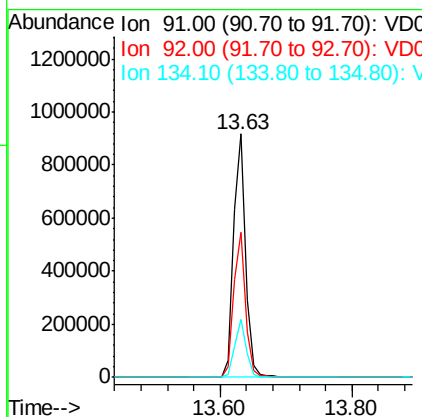
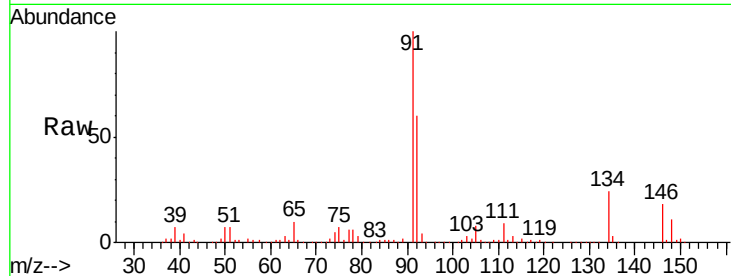




#89
n-Butylbenzene
Concen: 21.224 ug/l
RT: 13.63 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

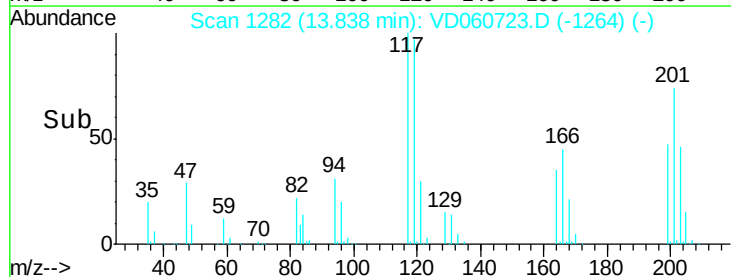
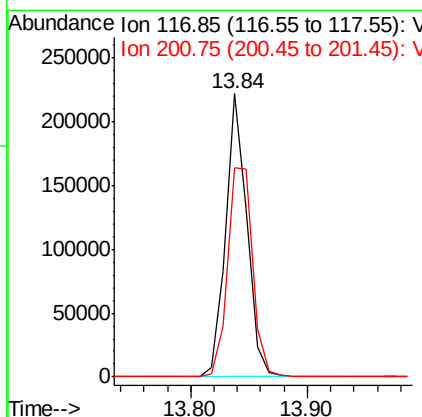
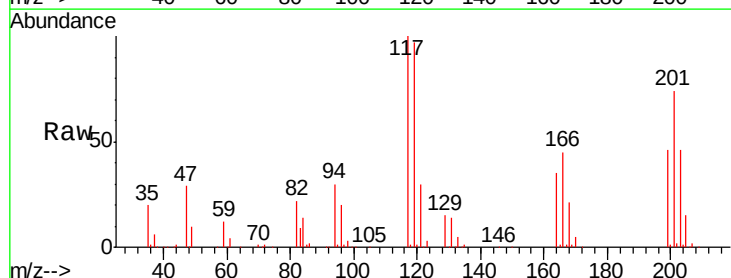
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

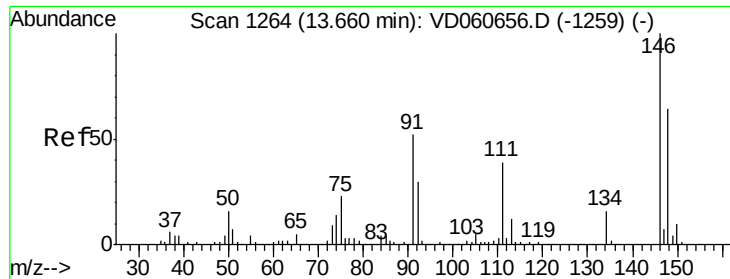
Tgt Ion: 91 Resp: 1173423
Ion Ratio Lower Upper
91 100
92 59.6 29.7 89.1
134 24.0 12.7 38.1



#90
Hexachloroethane
Concen: 21.067 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion: 117 Resp: 280003
Ion Ratio Lower Upper
117 100
201 74.0 42.6 127.8

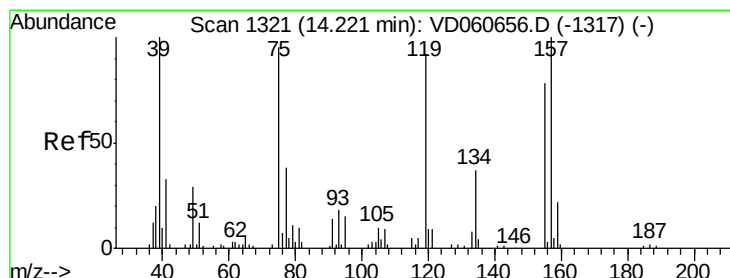
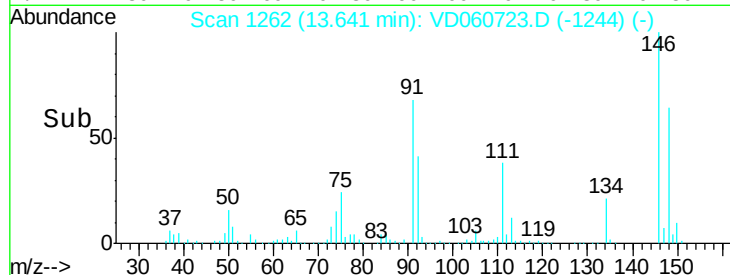
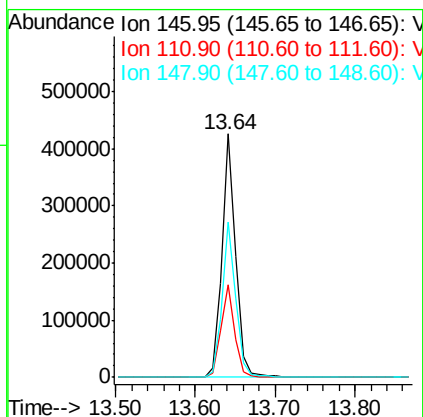
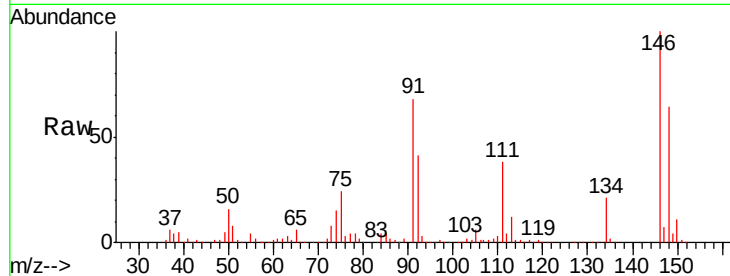




#91
 1,2-Dichlorobenzene
 Concen: 21.174 ug/l
 RT: 13.64 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

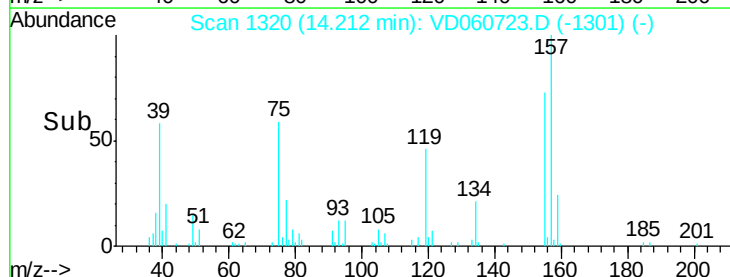
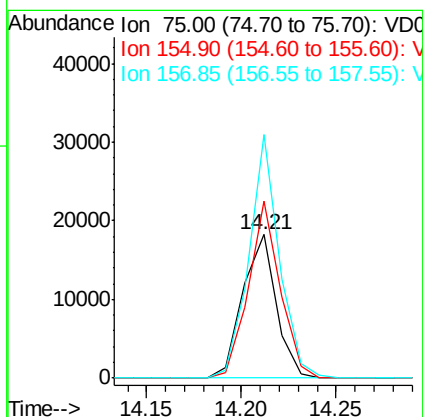
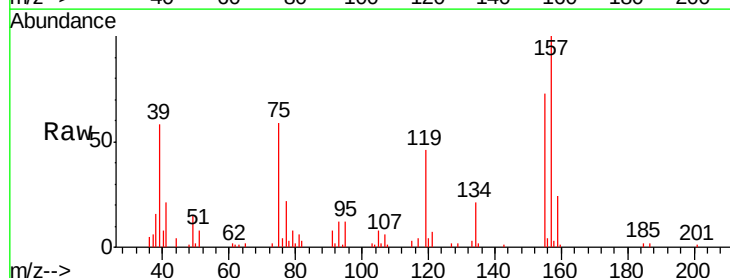
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD01

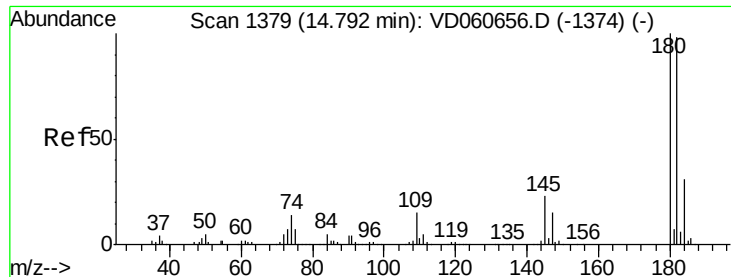
Tgt Ion:146 Resp: 514799
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.3 57.9
 148 63.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.625 ug/l
 RT: 14.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion: 75 Resp: 22179
 Ion Ratio Lower Upper
 75 100
 155 123.5 41.1 123.4#
 157 169.7 52.5 157.6#

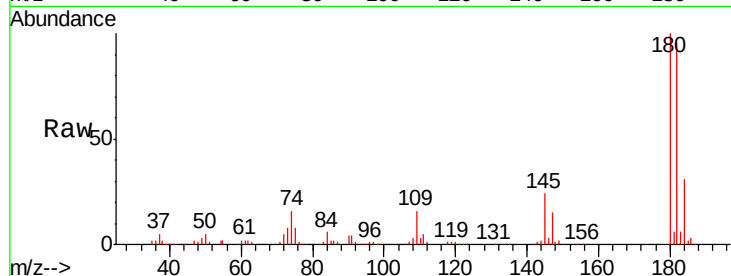




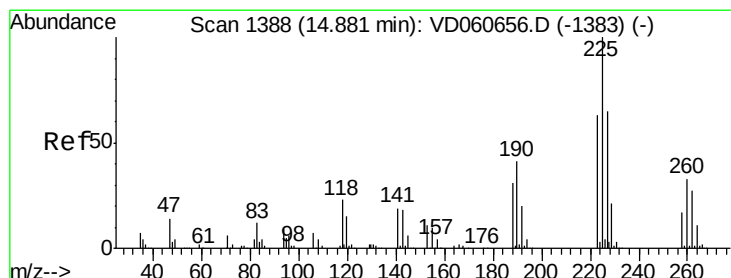
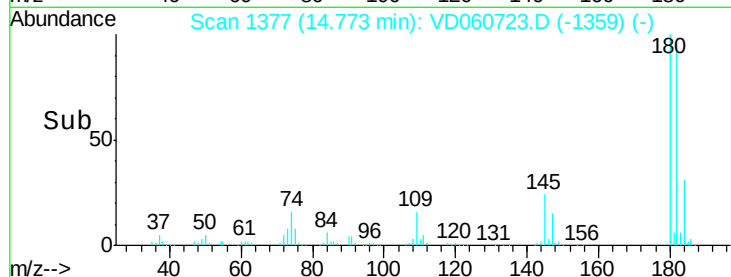
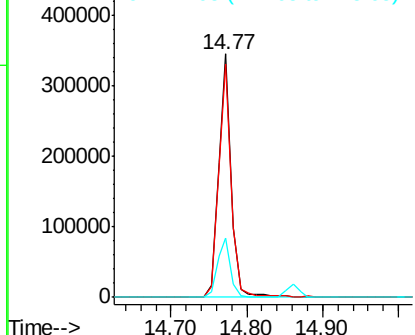
#93
 1,2,4-Trichlorobenzene
 Concen: 21.050 ug/l
 RT: 14.77 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Tgt Ion:180 Resp: 407242
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.8 146.4
 145 24.1 11.8 35.3

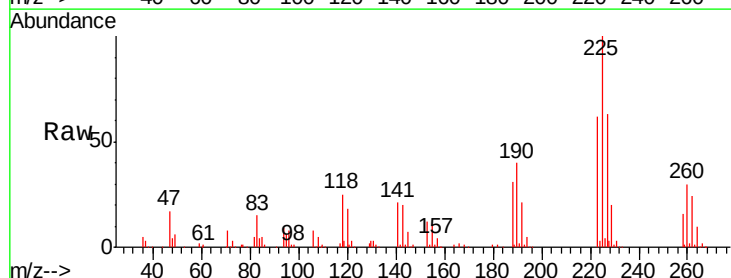


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

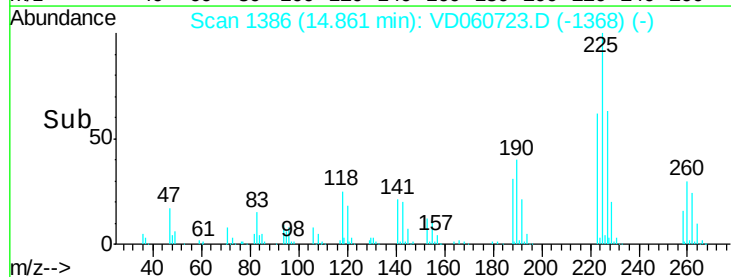
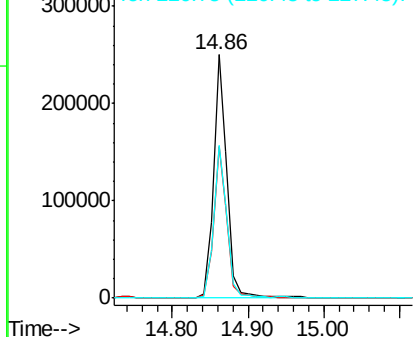


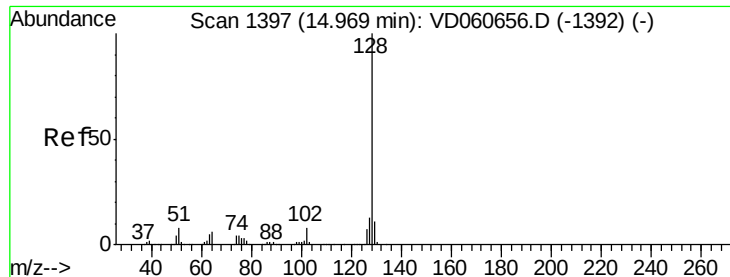
#94
 Hexachlorobutadiene
 Concen: 21.978 ug/l
 RT: 14.86 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: VD060723.D
 Acq: 27 Dec 2018 13:43

Tgt Ion:225 Resp: 314282
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.3 93.8
 227 62.6 32.5 97.4



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

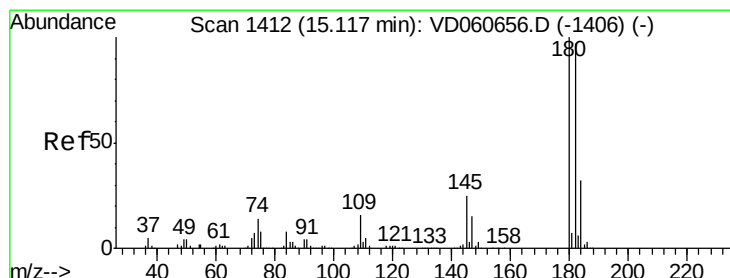
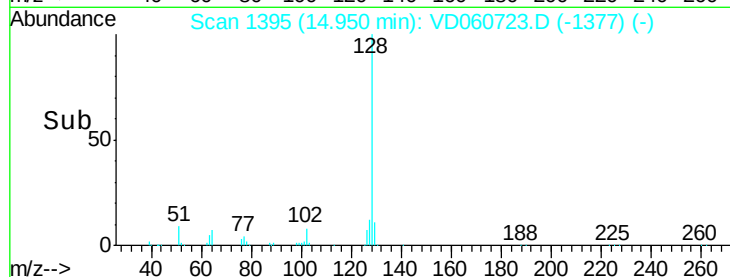
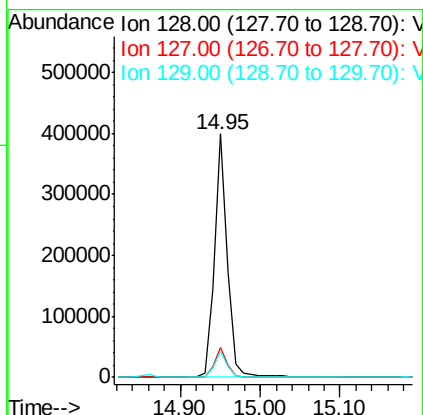
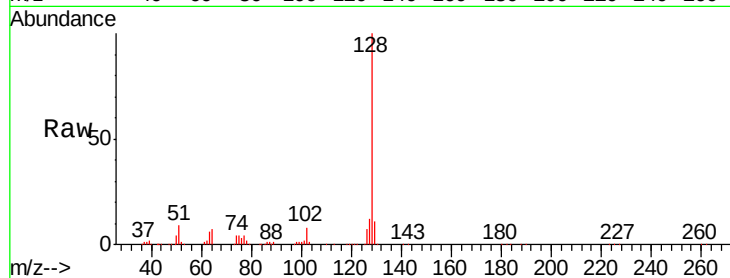




#95
Naphthalene
Concen: 19.815 ug/l
RT: 14.95 min Scan# 1395
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD01

Tgt Ion:128 Resp: 455609
Ion Ratio Lower Upper
128 100
127 12.1 10.1 15.1
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.625 ug/l
RT: 15.10 min Scan# 1410
Delta R.T. -0.02 min
Lab File: VD060723.D
Acq: 27 Dec 2018 13:43

Tgt Ion:180 Resp: 327040
Ion Ratio Lower Upper
180 100
182 96.9 48.6 145.9
145 26.0 12.6 37.8

