

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
 Data File : VD060745.D
 Acq On : 28 Dec 2018 14:31
 Operator : VA/AP
 Sample : VD1228SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Quant Time: Dec 28 22:01:23 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	6.42	168	1433827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2027061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1661571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	874220	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	535139	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	6.33	113	767647	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	9.46	98	2172496	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.43	95	808539	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	334230	18.243	ug/l	99
3) Chloromethane	1.77	50	337493	20.016	ug/l	99
4) Vinyl Chloride	1.87	62	264622	19.768	ug/l	97
5) Bromomethane	2.16	94	47848	15.957	ug/l	92
6) Chloroethane	2.27	64	73519	18.403	ug/l	96
7) Trichlorofluoromethane	2.52	101	304441	20.447	ug/l	96
8) Diethyl Ether	2.84	74	56912	22.846	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.10	101	203715	21.092	ug/l	95
10) Methyl Iodide	3.26	142	219137	21.589	ug/l	97
11) Tert butyl alcohol	3.98	59	38800	93.695	ug/l	98
12) 1,1-Dichloroethene	3.09	96	166066	20.926	ug/l	94
13) Acrolein	3.00	56	44927	106.463	ug/l	100
14) Allyl chloride	3.55	41	295725	20.308	ug/l	96
15) Acrylonitrile	4.11	53	260911	108.525	ug/l	97
16) Acetone	3.17	43	188220	108.771	ug/l	98
17) Carbon Disulfide	3.33	76	499002	19.689	ug/l	98
18) Methyl Acetate	3.57	43	98328	22.928	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	448431	22.273	ug/l	99
20) Methylene Chloride	3.73	84	343131	19.094	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	330422	20.331	ug/l	99
22) Diisopropyl ether	4.86	45	1054678	21.332	ug/l	94
23) Vinyl Acetate	4.81	43	2542531	106.293	ug/l	99
24) 1,1-Dichloroethane	4.77	63	539868	20.760	ug/l	99
25) 2-Butanone	5.63	43	382288	115.450	ug/l	97
26) 2,2-Dichloropropane	5.60	77	441051	21.485	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	346808	21.021	ug/l	96
28) Bromochloromethane	5.94	49	209936	19.109	ug/l	95
29) Tetrahydrofuran	5.97	42	206450	109.979	ug/l	98
30) Chloroform	6.11	83	558265	21.334	ug/l	100
31) Cyclohexane	6.38	56	492308	19.671	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	436696	20.171	ug/l	97
36) 1,1-Dichloropropene	6.54	75	414725	19.869	ug/l	99
37) Ethyl Acetate	5.71	43	177941	20.383	ug/l	98
38) Carbon Tetrachloride	6.51	117	371991	20.201	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
 Data File : VD060745.D
 Acq On : 28 Dec 2018 14:31
 Operator : VA/AP
 Sample : VD1228SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Quant Time: Dec 28 22:01:23 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	8.05	83	466854	19.611	ug/l	99
40) Benzene	6.80	78	1104960	20.494	ug/l	100
41) Methacrylonitrile	5.96	41	217183	44.977	ug/l #	73
42) 1,2-Dichloroethane	6.90	62	280249	20.946	ug/l	98
43) Isopropyl Acetate	8.36	43	235587	21.030	ug/l #	98
44) Trichloroethene	7.75	130	330036	20.681	ug/l	94
45) 1,2-Dichloropropane	8.11	63	270884	20.487	ug/l	98
46) Dibromomethane	8.23	93	159577	21.146	ug/l	99
47) Bromodichloromethane	8.49	83	382226	21.384	ug/l	98
48) Methyl methacrylate	8.25	41	144569	21.247	ug/l	96
49) 1,4-Dioxane	8.24	88	26430	417.774	ug/l #	87
51) 4-Methyl-2-Pentanone	9.35	43	754695	109.957	ug/l	100
52) Toluene	9.56	92	684808	20.261	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	317618	21.300	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	412786	21.149	ug/l	95
55) 1,1,2-Trichloroethane	10.19	97	195832	21.534	ug/l	97
56) Ethyl methacrylate	10.04	69	176045	20.841	ug/l	99
57) 1,3-Dichloropropane	10.38	76	302345	20.975	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	554035	111.316	ug/l	97
59) 2-Hexanone	10.49	43	536084	111.586	ug/l	99
60) Dibromochloromethane	10.65	129	243303	21.004	ug/l	97
61) 1,2-Dibromoethane	10.77	107	192581	20.416	ug/l	97
64) Tetrachloroethene	10.26	164	300465	19.951	ug/l	97
65) Chlorobenzene	11.32	112	756082	20.596	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	252166	21.364	ug/l	99
67) Ethyl Benzene	11.44	91	1306862	20.787	ug/l	99
68) m/p-Xylenes	11.56	106	918147	39.961	ug/l	94
69) o-Xylene	11.94	106	444157	20.376	ug/l	92
70) Styrene	11.96	104	725187	20.656	ug/l	97
71) Bromoform	12.12	173	159891	20.522	ug/l	98
73) Isopropylbenzene	12.28	105	1278678	20.543	ug/l	98
74) N-amyl acetate	12.14	43	305440	20.792	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	213658	21.177	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	205867	20.684	ug/l	99
77) Bromobenzene	12.55	156	342016	20.813	ug/l	90
78) n-propylbenzene	12.64	91	1568576	19.712	ug/l	95
79) 2-Chlorotoluene	12.71	91	877677	20.593	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	988384	20.564	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	56855	20.673	ug/l	92
82) 4-Chlorotoluene	12.81	91	1012686	20.963	ug/l	93
83) tert-Butylbenzene	13.05	119	1125100	20.569	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1011222	20.428	ug/l	98
85) sec-Butylbenzene	13.23	105	1342033	20.118	ug/l	97
86) p-Isopropyltoluene	13.35	119	1109022	20.596	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	631460	20.932	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	618995	20.823	ug/l	97
89) n-Butylbenzene	13.65	91	1153433	20.961	ug/l	98
90) Hexachloroethane	13.86	117	268393	20.289	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	524193	21.662	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23086	19.478	ug/l	75

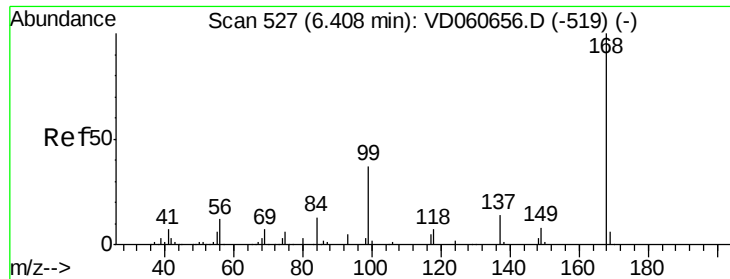
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
Data File : VD060745.D
Acq On : 28 Dec 2018 14:31
Operator : VA/AP
Sample : VD1228SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Quant Time: Dec 28 22:01:23 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	14.79	180	401828	20.868	ug/l	98
94) Hexachlorobutadiene	14.88	225	281443	19.774	ug/l	97
95) Naphthalene	14.97	128	467093	20.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	314465	20.891	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

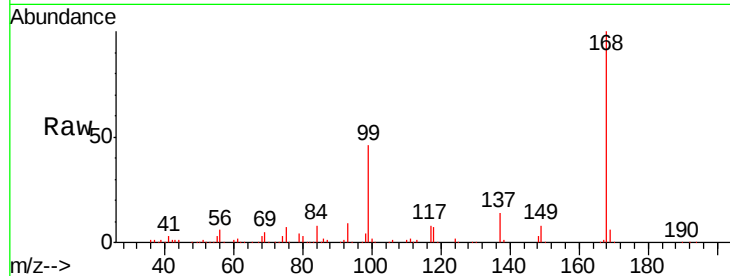
VD1228SBS01

Tgt Ion:168 Resp: 1433827

Ion Ratio Lower Upper

168 100

99 46.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

300000

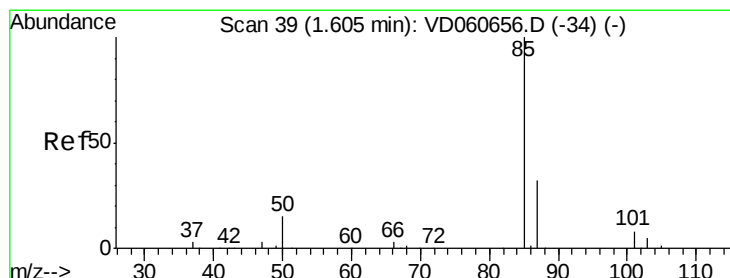
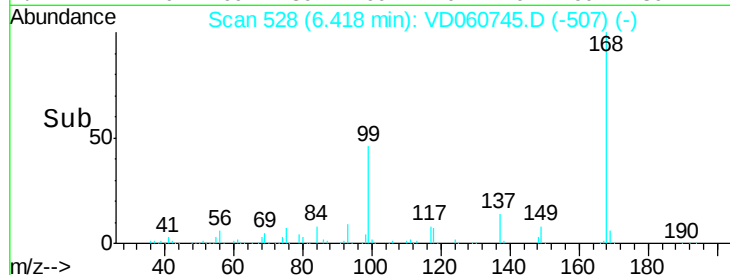
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.243 ug/l

RT: 1.61 min Scan# 39

Delta R.T. 0.00 min

Lab File: VD060745.D

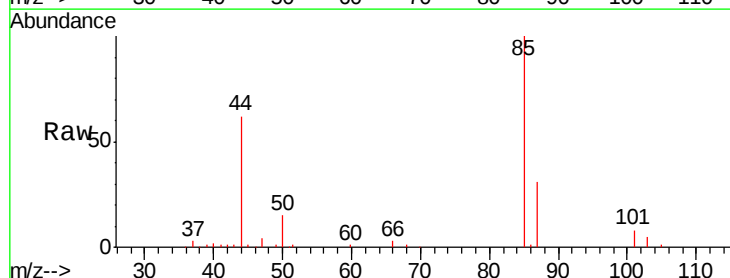
Acq: 28 Dec 2018 14:31

Tgt Ion: 85 Resp: 334230

Ion Ratio Lower Upper

85 100

87 31.5 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

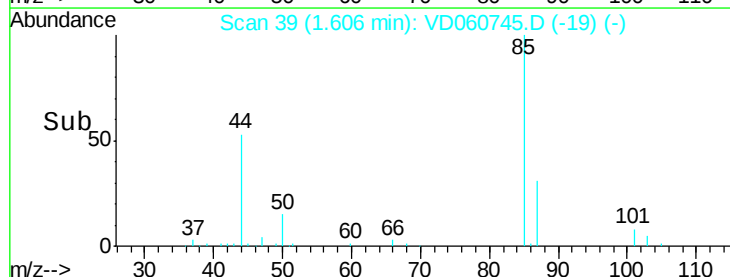
100000

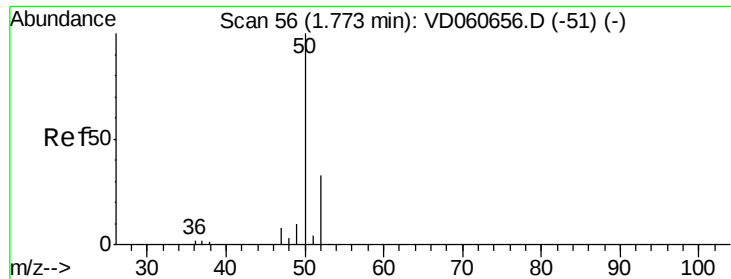
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.016 ug/l

RT: 1.77 min Scan# 56

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

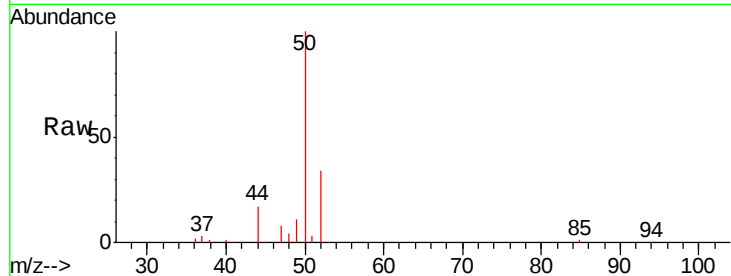
VD1228SBS01

Tgt Ion: 50 Resp: 337493

Ion Ratio Lower Upper

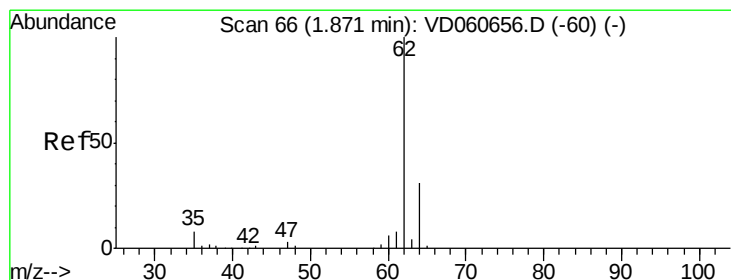
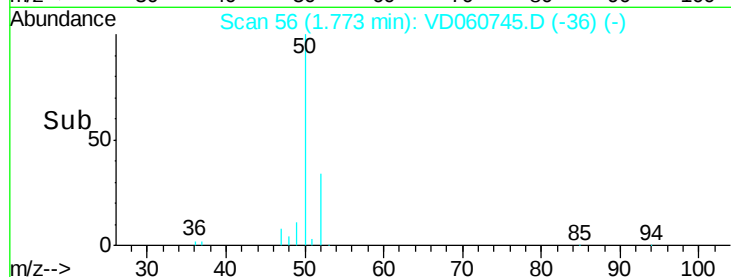
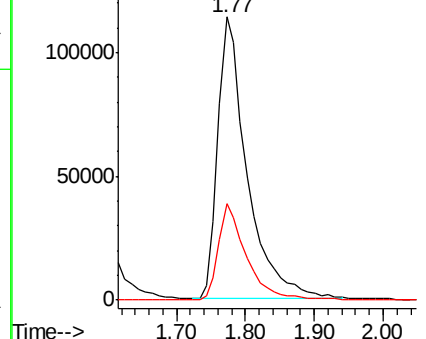
50 100

52 33.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.768 ug/l

RT: 1.87 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060745.D

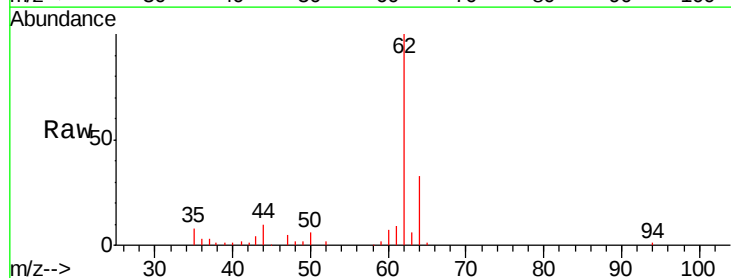
Acq: 28 Dec 2018 14:31

Tgt Ion: 62 Resp: 264622

Ion Ratio Lower Upper

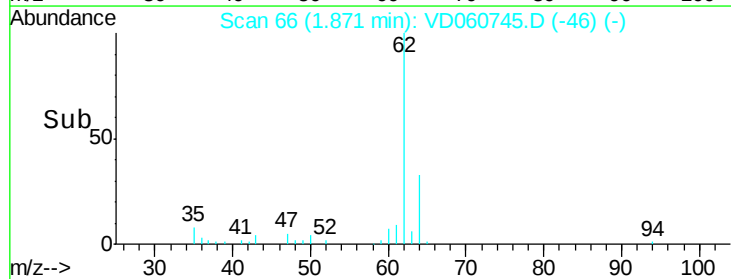
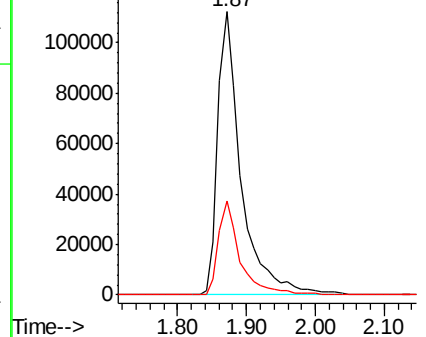
62 100

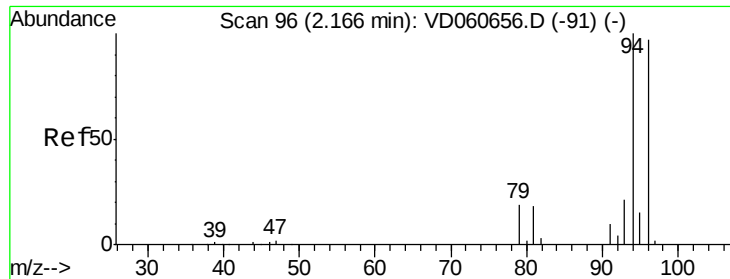
64 33.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.957 ug/l

RT: 2.16 min Scan# 95

Delta R.T. -0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

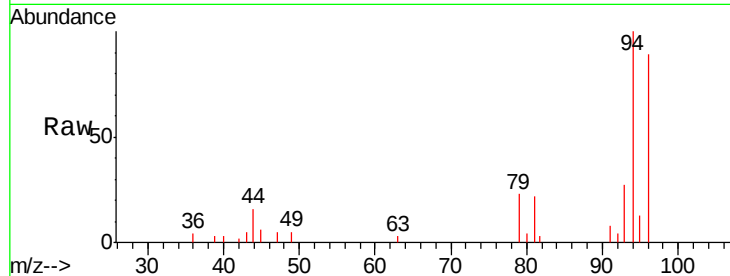
VD1228SBS01

Tgt Ion: 94 Resp: 47848

Ion Ratio Lower Upper

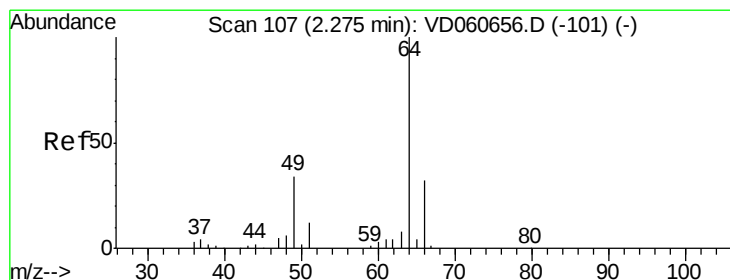
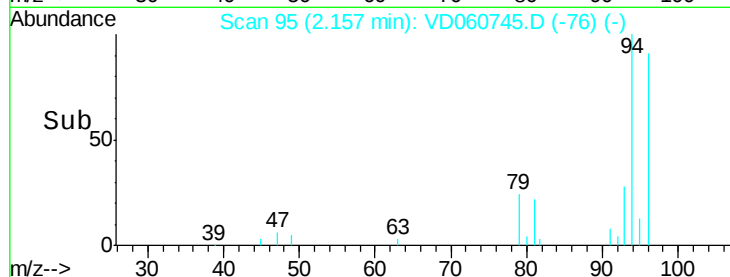
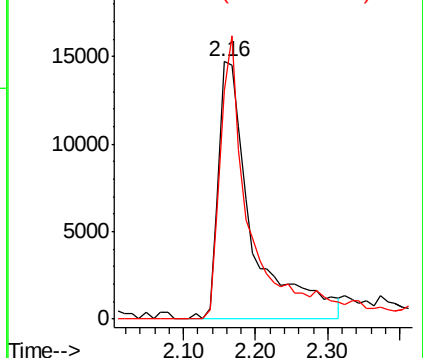
94 100

96 88.6 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: 18.403 ug/l

RT: 2.27 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD060745.D

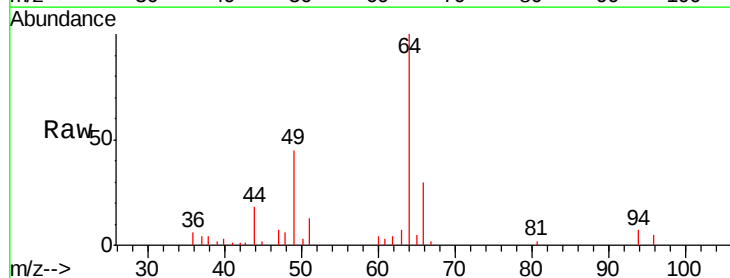
Acq: 28 Dec 2018 14:31

Tgt Ion: 64 Resp: 73519

Ion Ratio Lower Upper

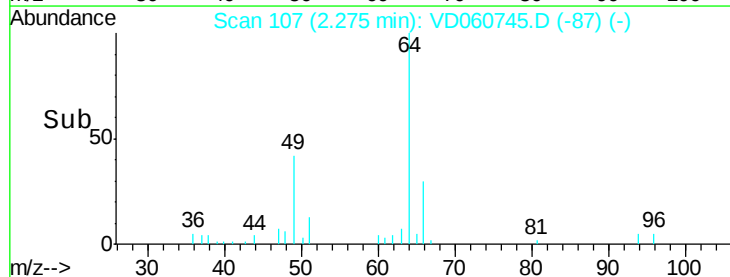
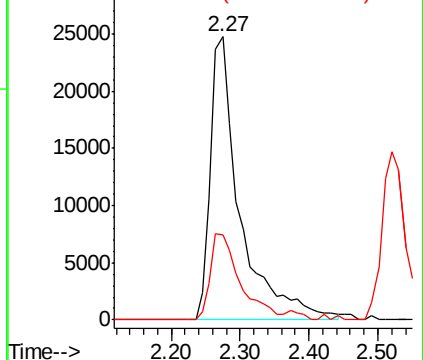
64 100

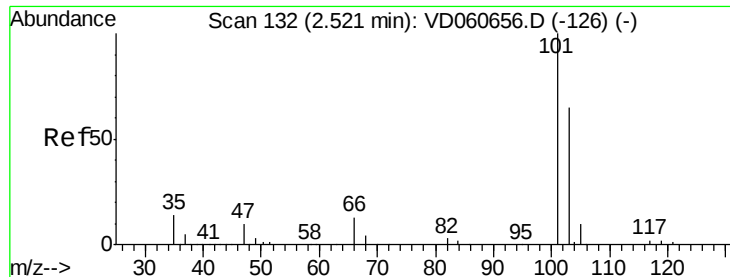
66 29.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



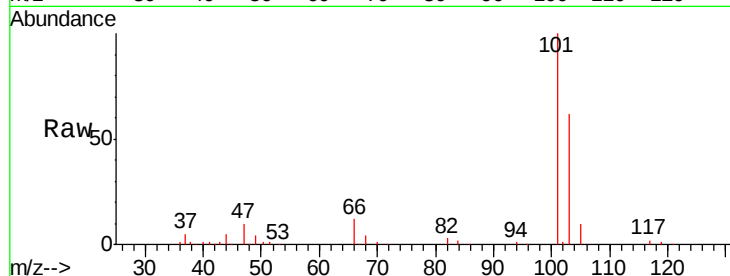


#7

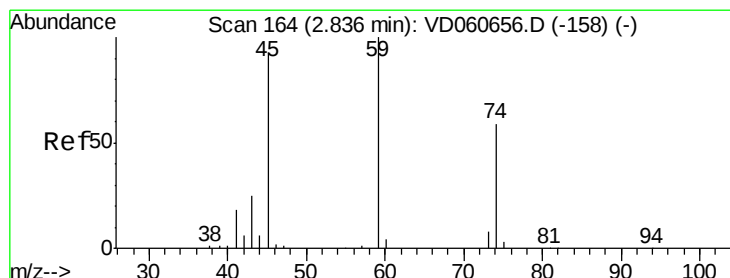
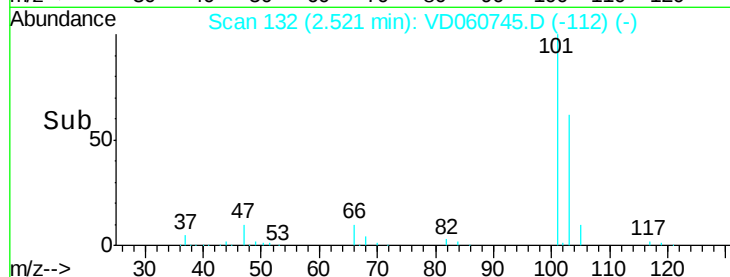
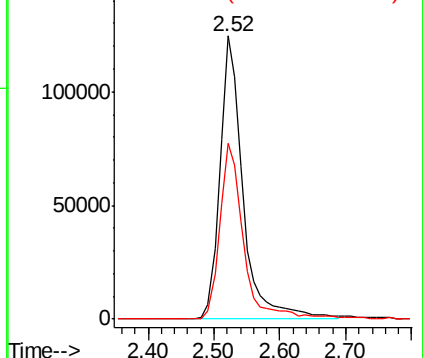
Trichlorofluoromethane
 Concen: 20.447 ug/l
 RT: 2.52 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tgt Ion:101 Resp: 304441
 Ion Ratio Lower Upper
 101 100
 103 62.1 51.9 77.9



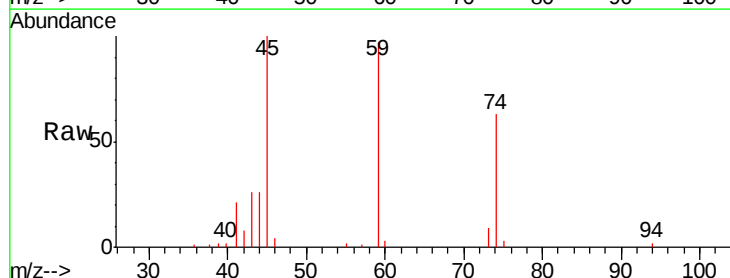
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



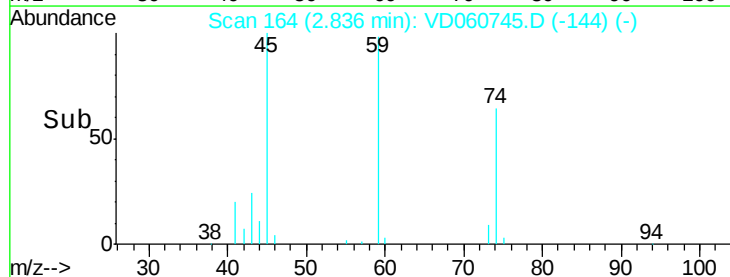
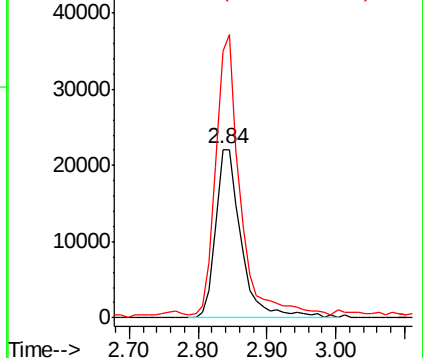
#8

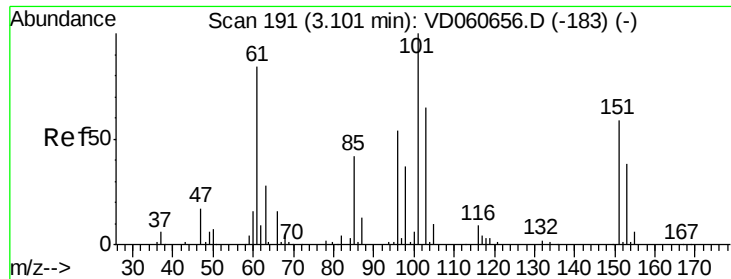
Diethyl Ether
 Concen: 22.846 ug/l
 RT: 2.84 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 74 Resp: 56912
 Ion Ratio Lower Upper
 74 100
 45 158.8 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: 21.092 ug/l

RT: 3.10 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

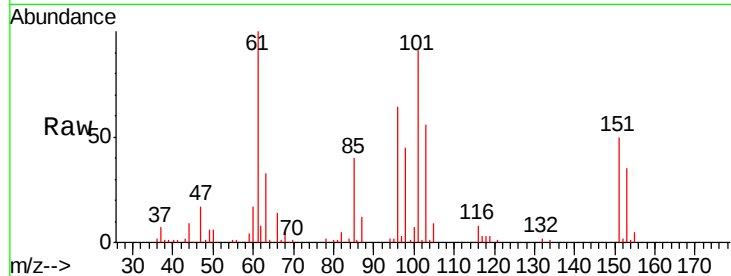
Tgt Ion:101 Resp: 203715

Ion Ratio Lower Upper

101 100

85 43.8 33.4 50.0

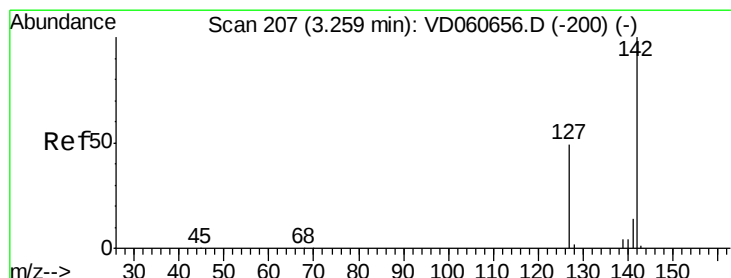
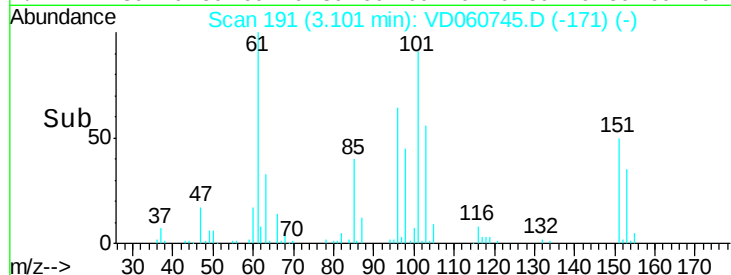
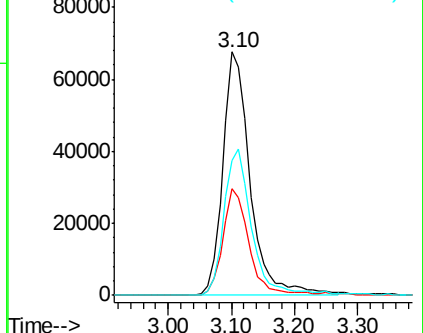
151 55.3 47.5 71.3



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: 21.589 ug/l

RT: 3.26 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

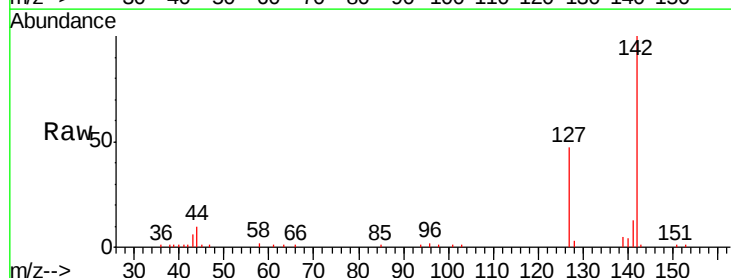
Tgt Ion:142 Resp: 219137

Ion Ratio Lower Upper

142 100

127 47.2 39.5 59.3

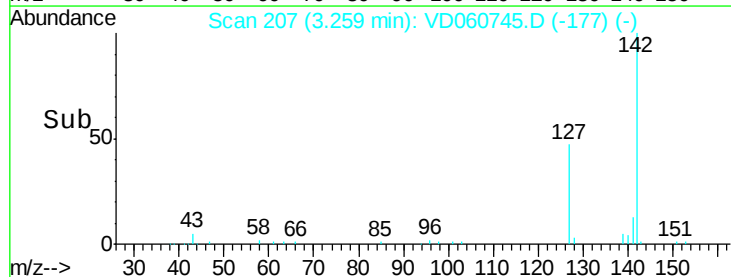
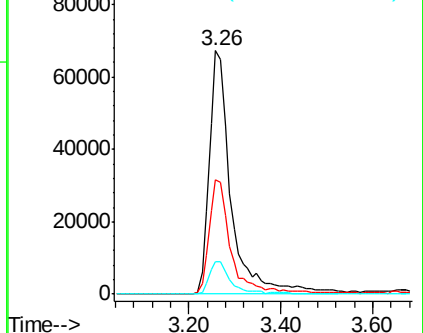
141 13.4 11.3 16.9

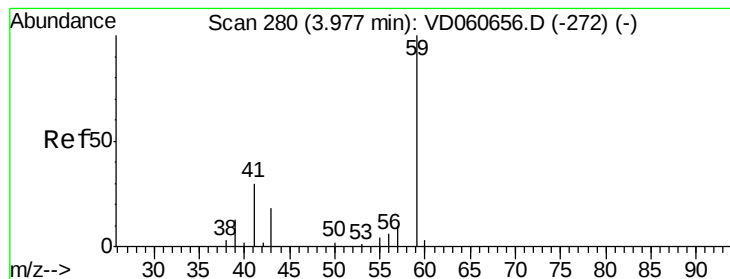


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



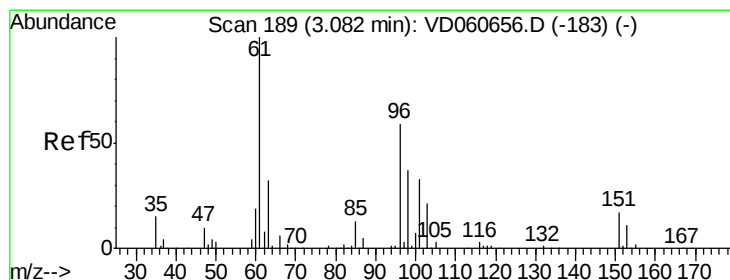
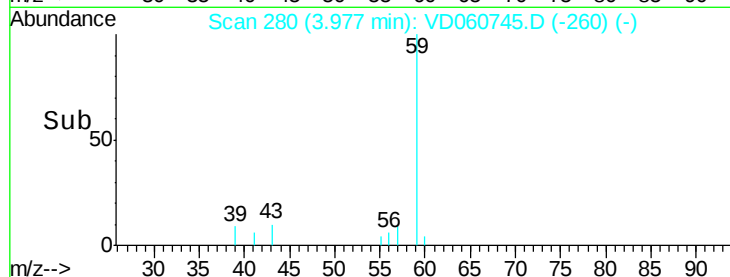
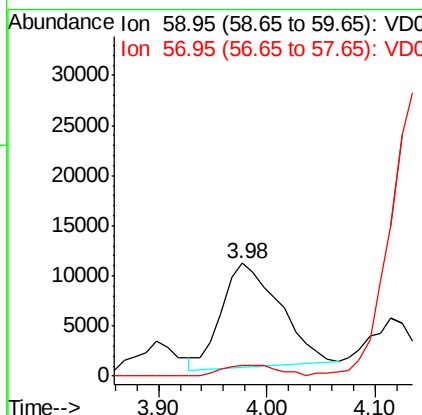
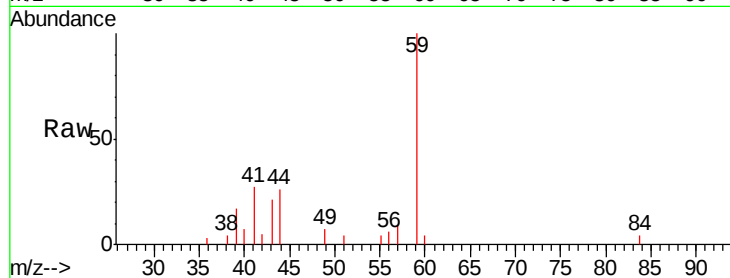


#11

Tert butyl alcohol
 Concen: 93.695 ug/l
 RT: 3.98 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

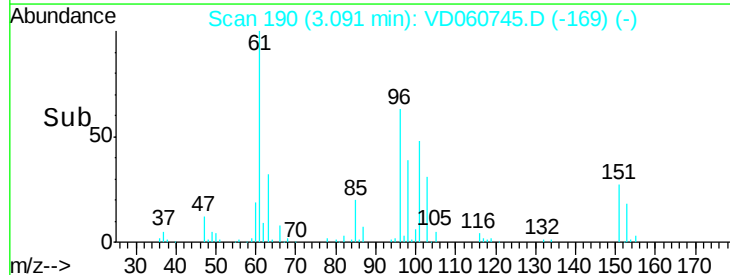
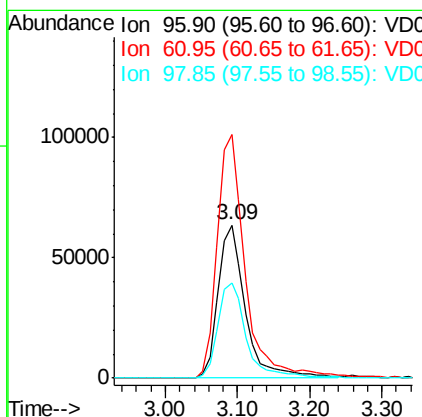
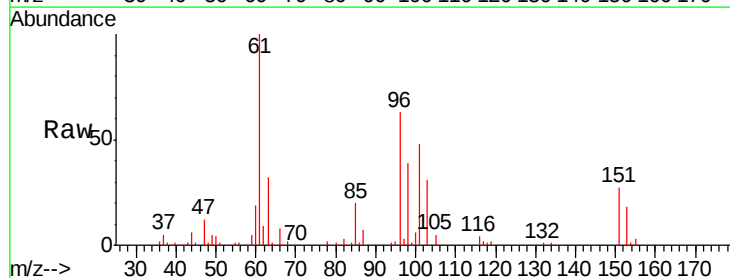
Tgt Ion: 59 Resp: 38800
 Ion Ratio Lower Upper
 59 100
 57 9.0 7.8 11.6

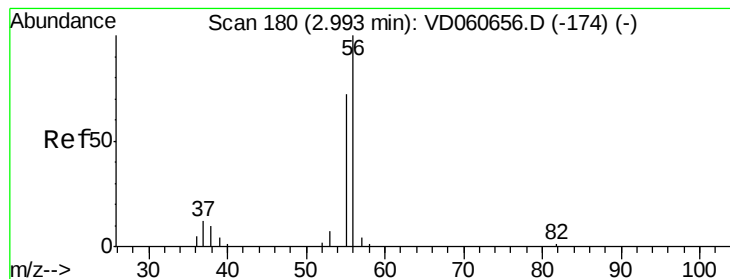


#12

1,1-Dichloroethene
 Concen: 20.926 ug/l
 RT: 3.09 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 96 Resp: 166066
 Ion Ratio Lower Upper
 96 100
 61 159.0 136.2 204.4
 98 62.1 50.7 76.1





#13

Acrolein

Concen: 106.463 ug/l

RT: 3.00 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

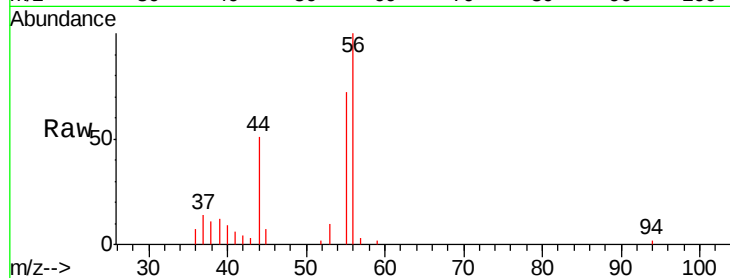
VD1228SBS01

Tgt Ion: 56 Resp: 44927

Ion Ratio Lower Upper

56 100

55 71.8 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.00

15000

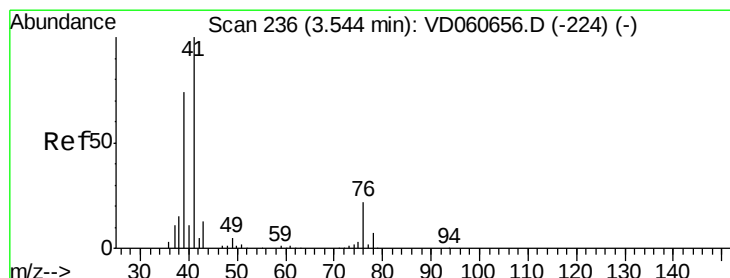
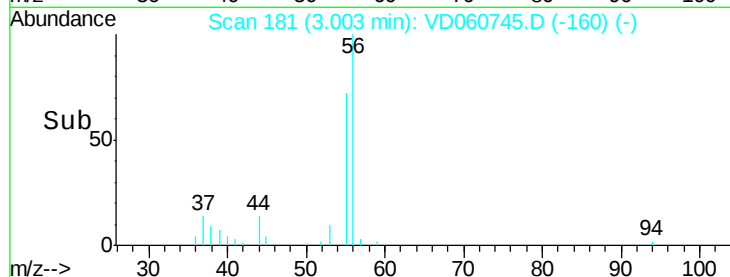
10000

5000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 20.308 ug/l

RT: 3.55 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

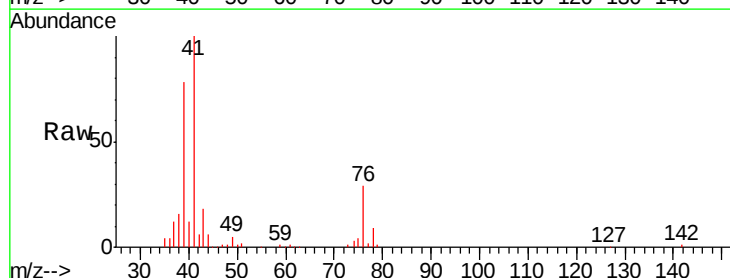
Tgt Ion: 41 Resp: 295725

Ion Ratio Lower Upper

41 100

39 78.2 59.6 89.4

76 28.7 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

3.55

150000

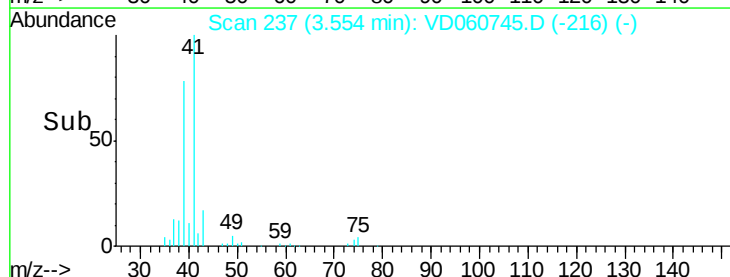
100000

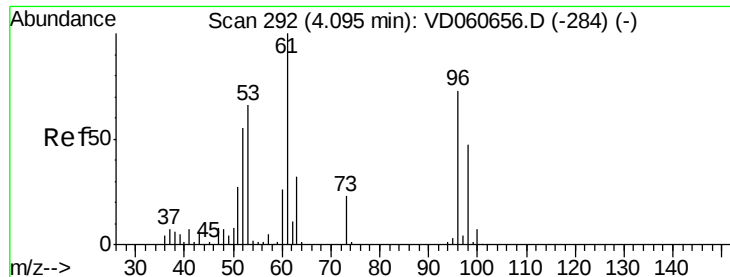
50000

0

Time-->

3.50 3.60





#15

Acrylonitrile

Concen: 108.525 ug/l

RT: 4.11 min Scan# 293

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

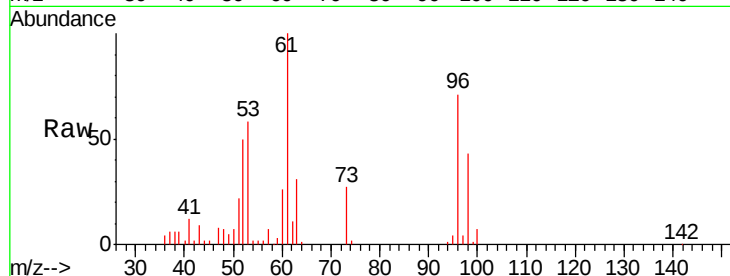
Tgt Ion: 53 Resp: 260911

Ion Ratio Lower Upper

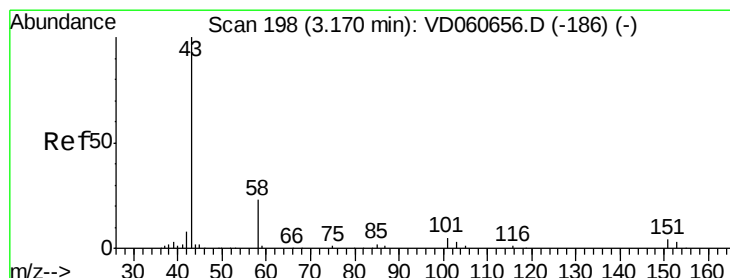
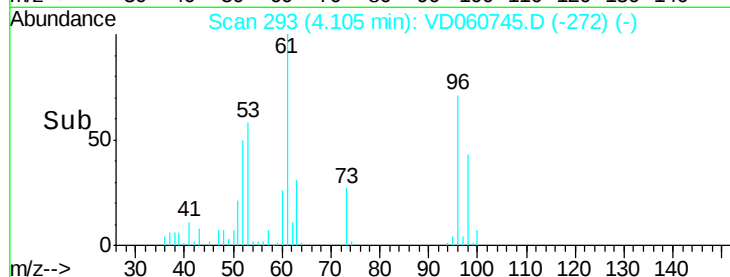
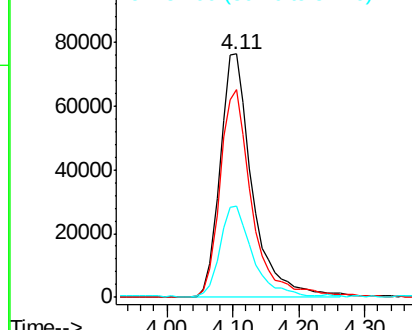
53 100

52 85.2 66.7 100.1

51 37.5 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: 108.771 ug/l

RT: 3.17 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD060745.D

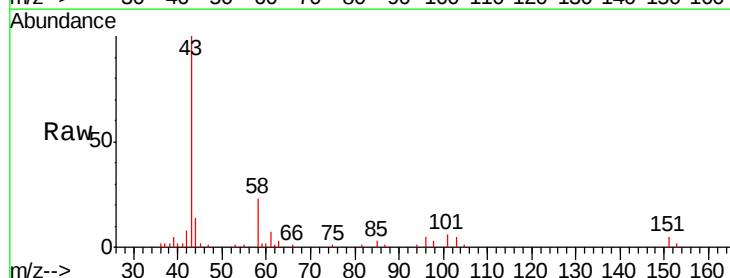
Acq: 28 Dec 2018 14:31

Tgt Ion: 43 Resp: 188220

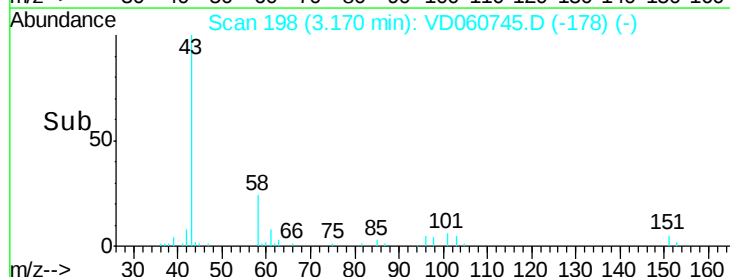
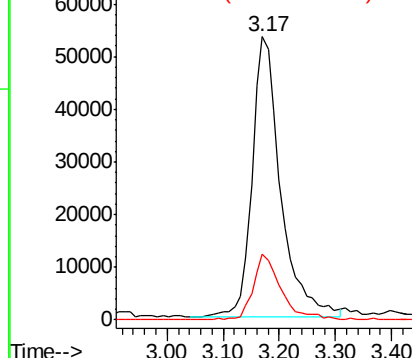
Ion Ratio Lower Upper

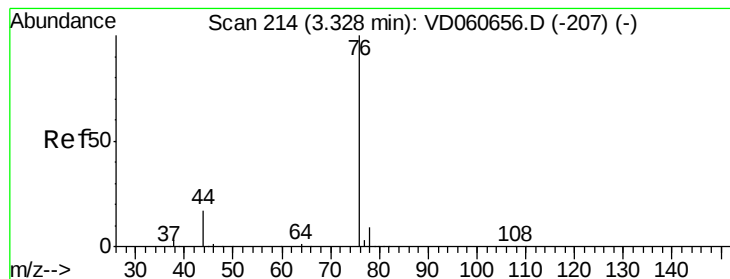
43 100

58 23.4 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: 19.689 ug/l

RT: 3.33 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

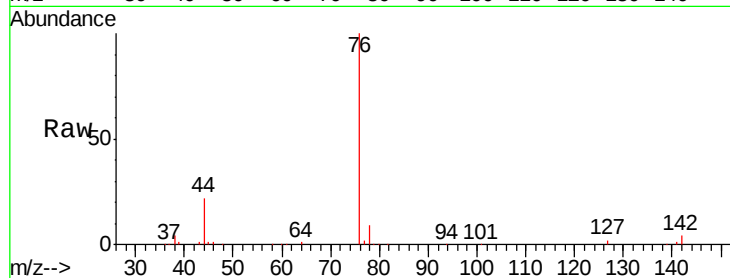
VD1228SBS01

Tgt Ion: 76 Resp: 499002

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

3.33

200000

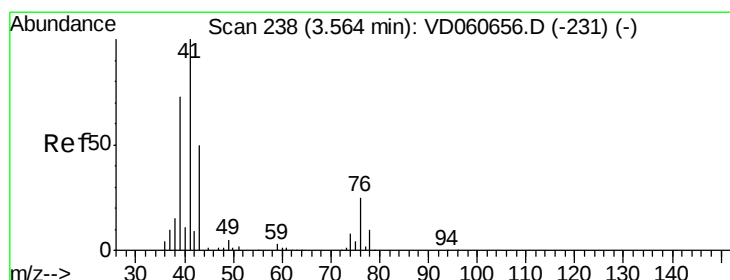
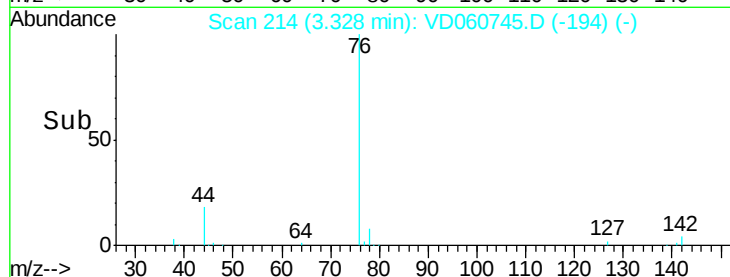
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.928 ug/l

RT: 3.57 min Scan# 239

Delta R.T. 0.01 min

Lab File: VD060745.D

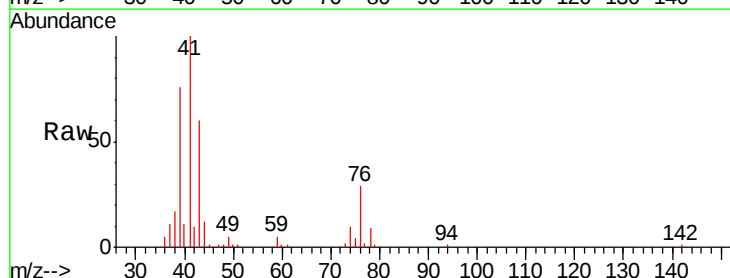
Acq: 28 Dec 2018 14:31

Tgt Ion: 43 Resp: 98328

Ion Ratio Lower Upper

43 100

74 17.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.57

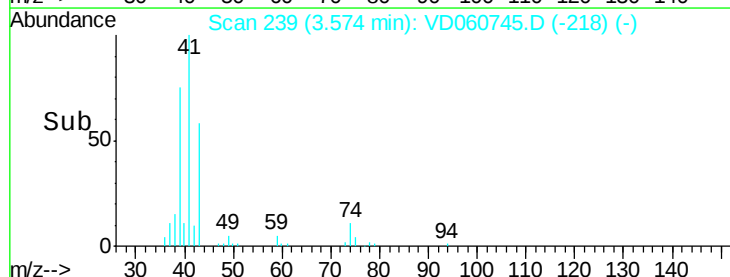
30000

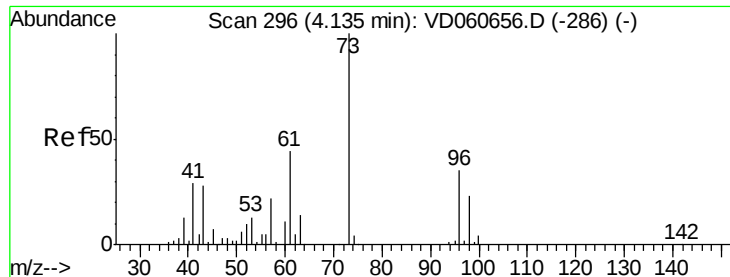
20000

10000

0

Time-->

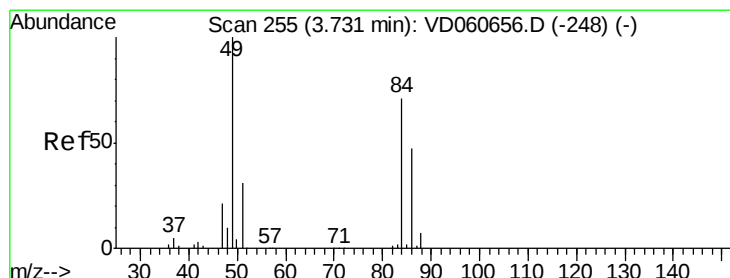
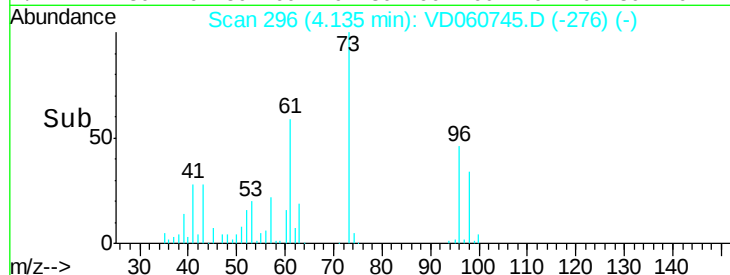
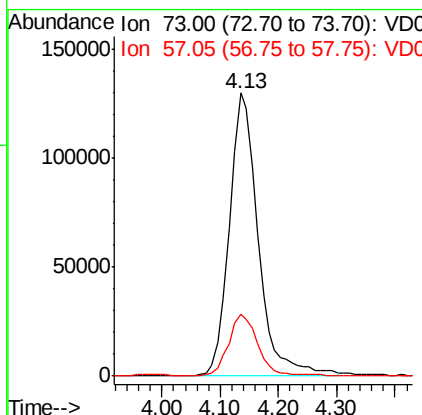
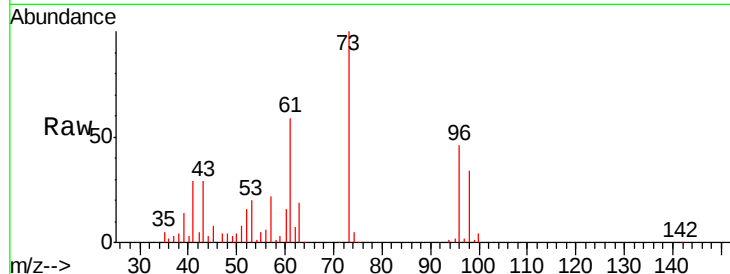




#19
Methyl tert-butyl Ether
Concen: 22.273 ug/l
RT: 4.13 min Scan# 296
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

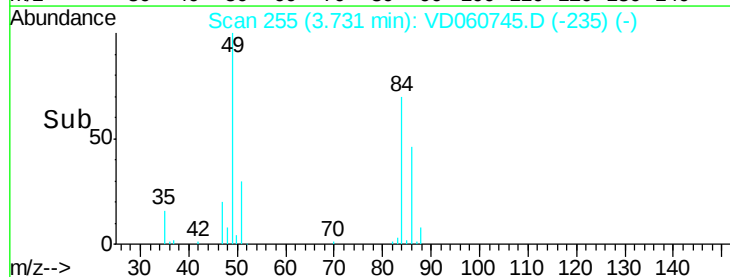
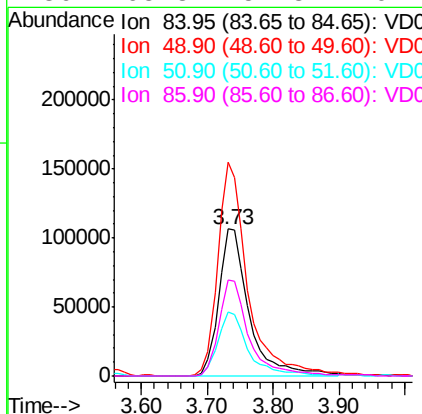
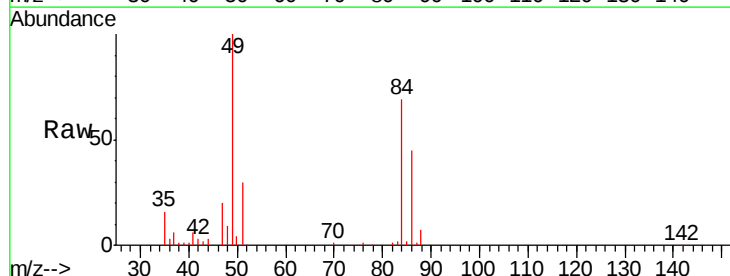
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

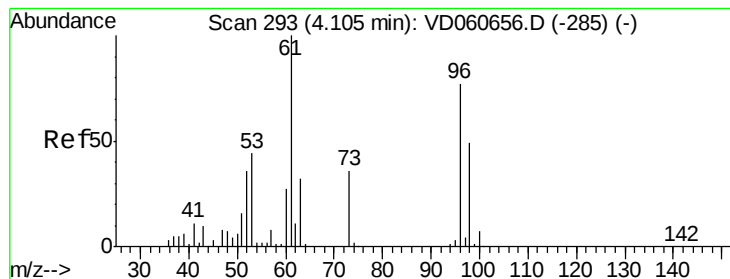
Tgt Ion: 73 Resp: 448431
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 19.094 ug/l
RT: 3.73 min Scan# 255
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 84 Resp: 343131
Ion Ratio Lower Upper
84 100
49 145.5 113.6 170.4
51 43.4 34.7 52.1
86 65.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 20.331 ug/l

RT: 4.11 min Scan# 294

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

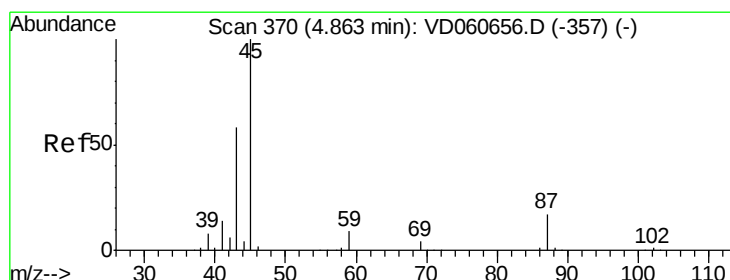
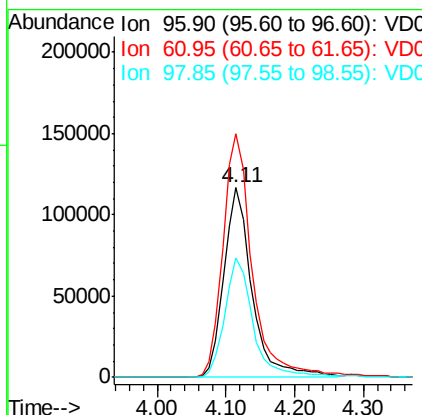
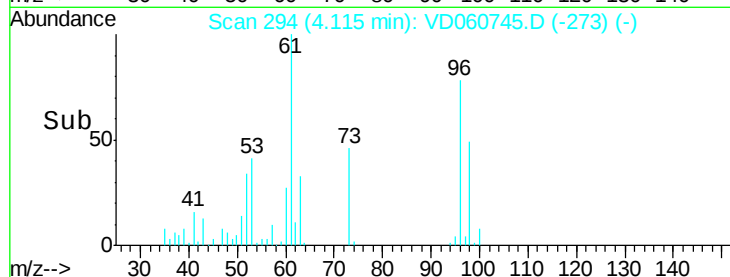
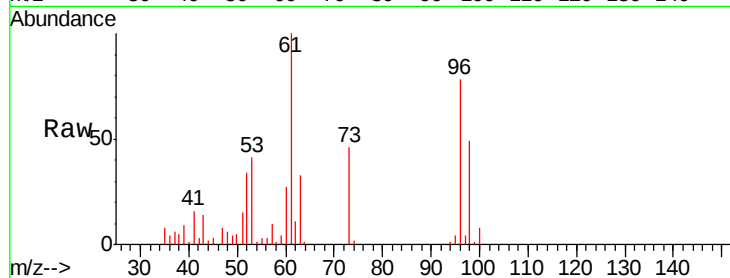
Tgt Ion: 96 Resp: 330422

Ion Ratio Lower Upper

96 100

61 128.3 104.2 156.2

98 63.2 51.2 76.8



#22

Diisopropyl ether

Concen: 21.332 ug/l

RT: 4.86 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Tgt Ion: 45 Resp: 1054678

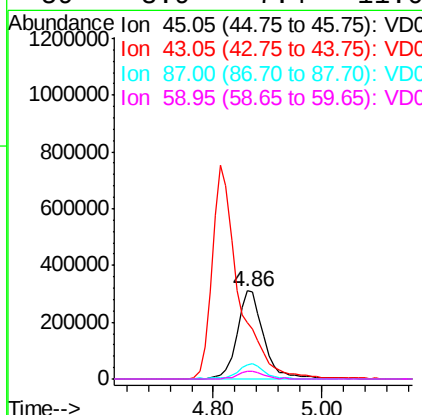
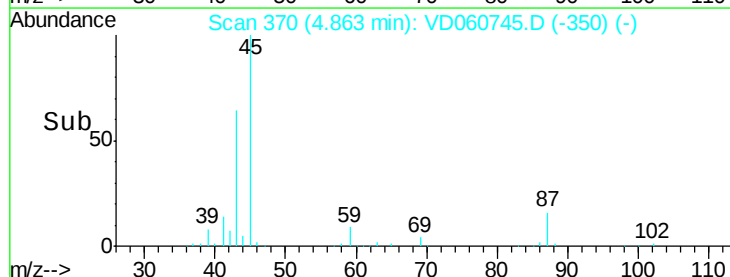
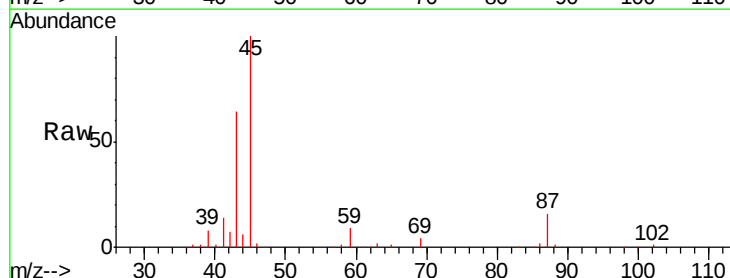
Ion Ratio Lower Upper

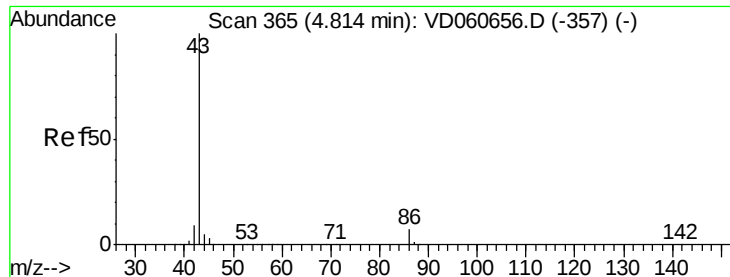
45 100

43 64.1 46.1 69.1

87 16.4 13.7 20.5

59 8.9 7.4 11.0





#23

Vinyl Acetate

Concen: 106.293 ug/l

RT: 4.81 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

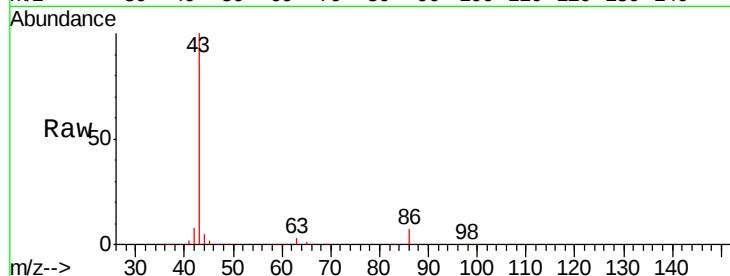
VD1228SBS01

Tgt Ion: 43 Resp: 2542531

Ion Ratio Lower Upper

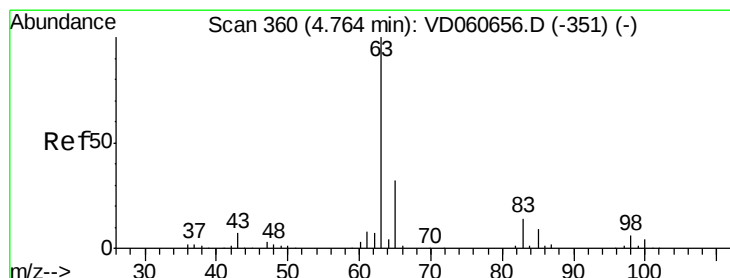
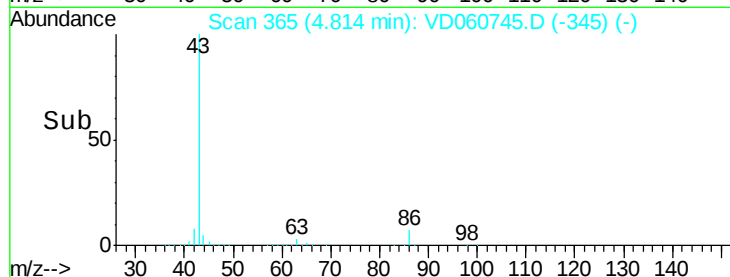
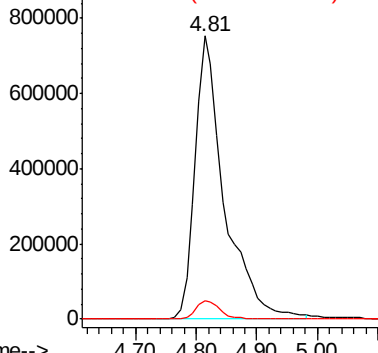
43 100

86 6.6 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: 20.760 ug/l

RT: 4.77 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

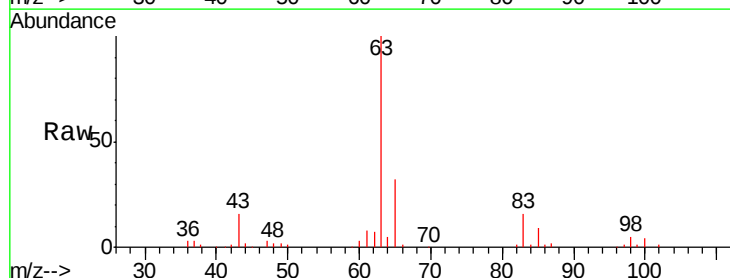
Tgt Ion: 63 Resp: 539868

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.7

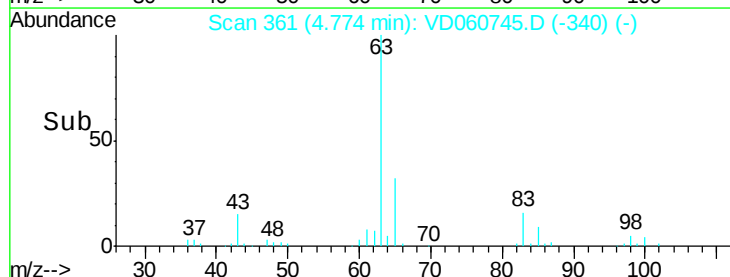
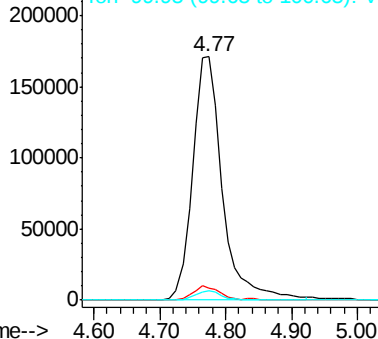
100 3.9 2.0 5.8

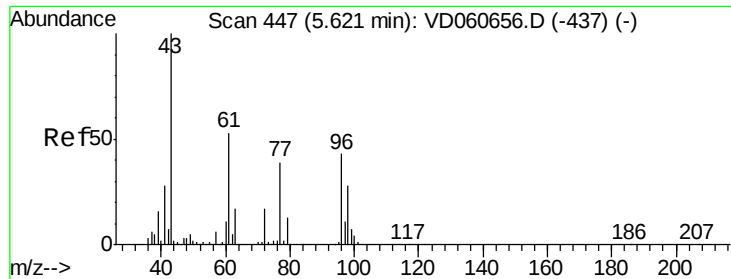


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 115.450 ug/l

RT: 5.63 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

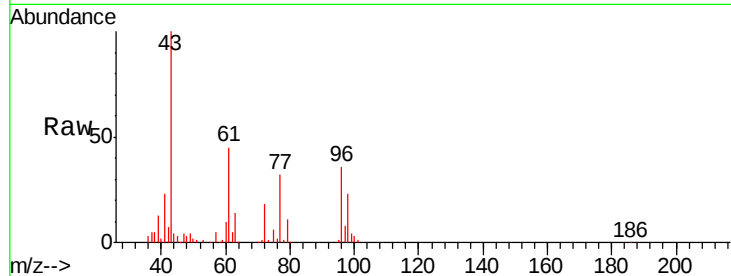
VD1228SBS01

Tgt Ion: 43 Resp: 382288

Ion Ratio Lower Upper

43 100

72 18.3 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

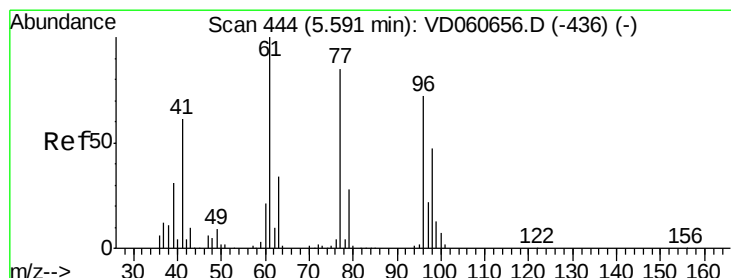
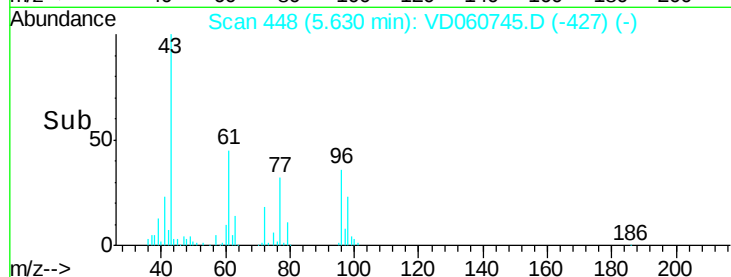
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.485 ug/l

RT: 5.60 min Scan# 445

Delta R.T. 0.01 min

Lab File: VD060745.D

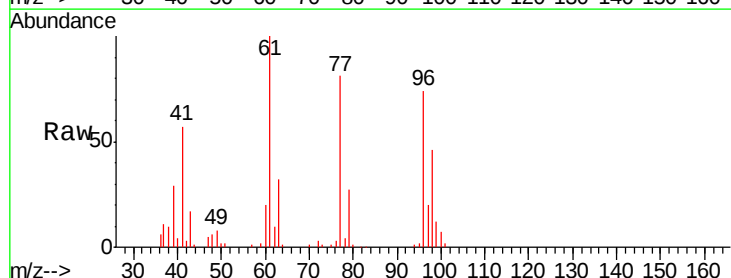
Acq: 28 Dec 2018 14:31

Tgt Ion: 77 Resp: 441051

Ion Ratio Lower Upper

77 100

97 24.6 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

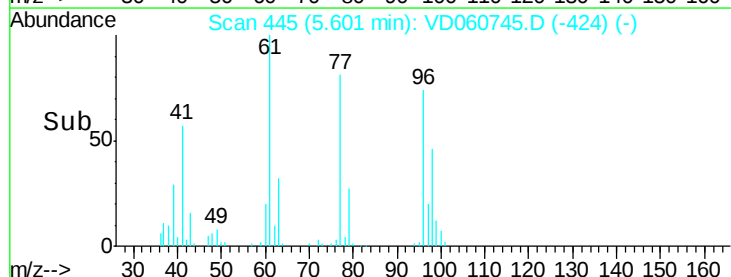
100000

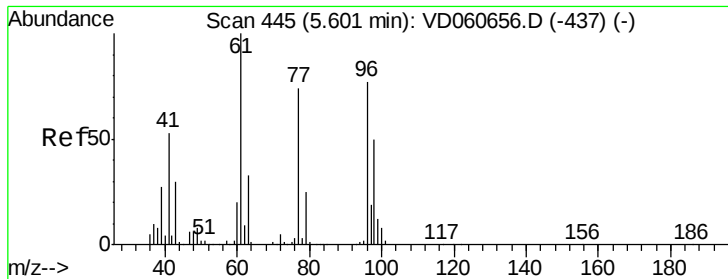
50000

0

5.50 5.60 5.70 5.80

Time-->



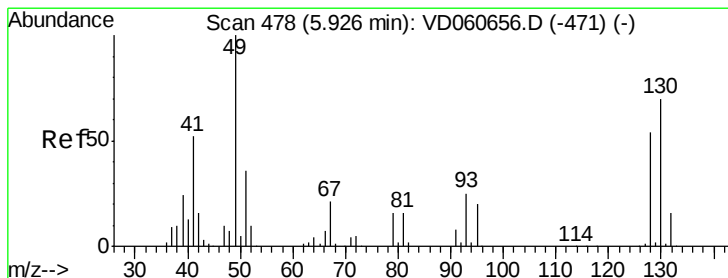
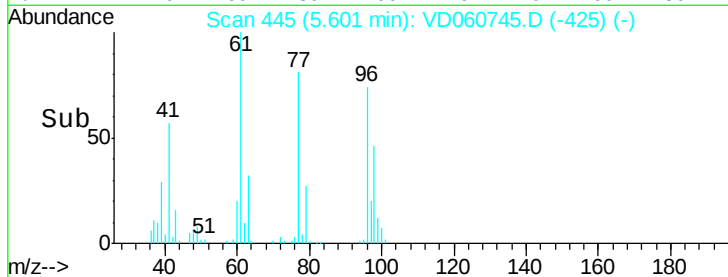
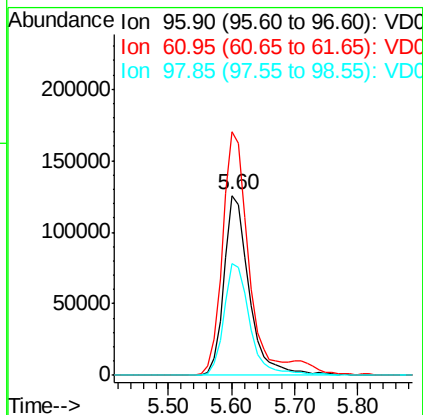
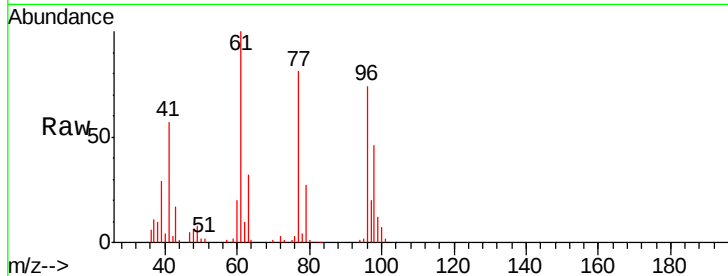


#27

cis-1,2-Dichloroethene
 Concen: 21.021 ug/l
 RT: 5.60 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

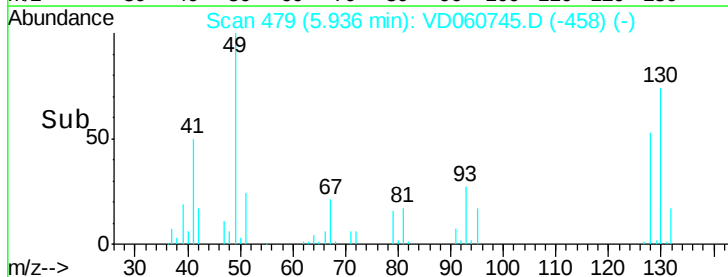
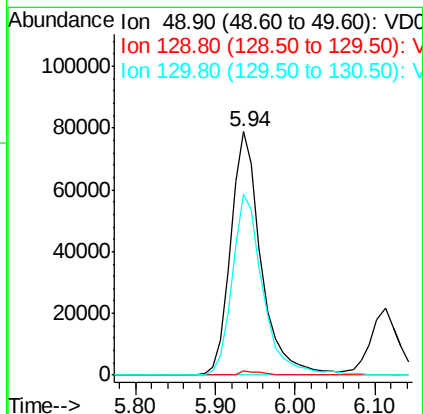
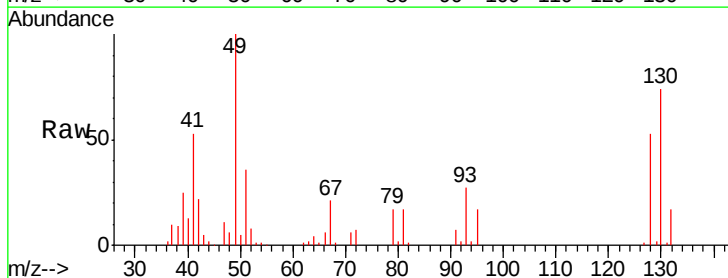
Tgt Ion: 96 Resp: 346808
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 259.4
 98 62.4 0.0 130.0

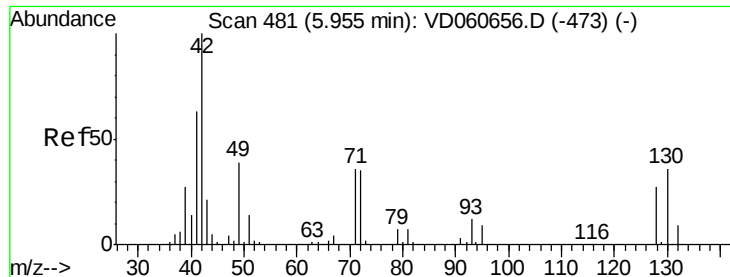


#28

Bromochloromethane
 Concen: 19.109 ug/l
 RT: 5.94 min Scan# 479
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 49 Resp: 209936
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.4
 130 74.2 56.2 84.2

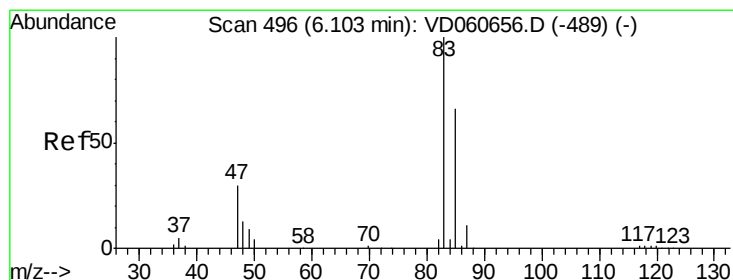
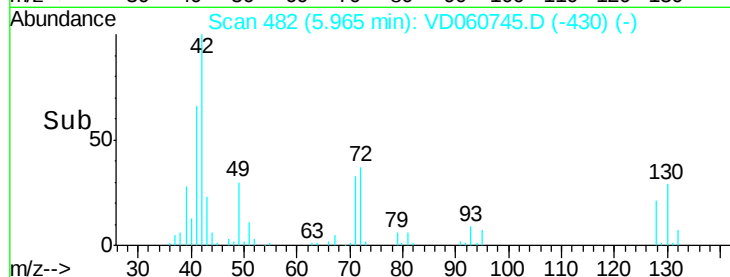
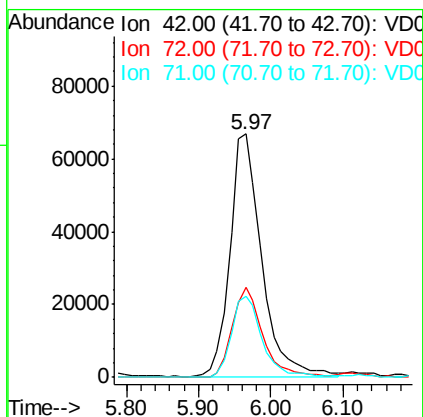
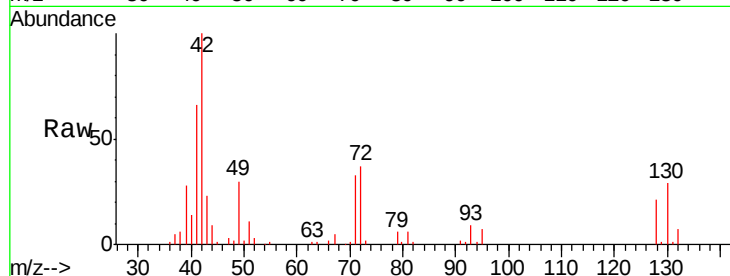




#29
Tetrahydrofuran
Concen: 109.979 ug/l
RT: 5.97 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

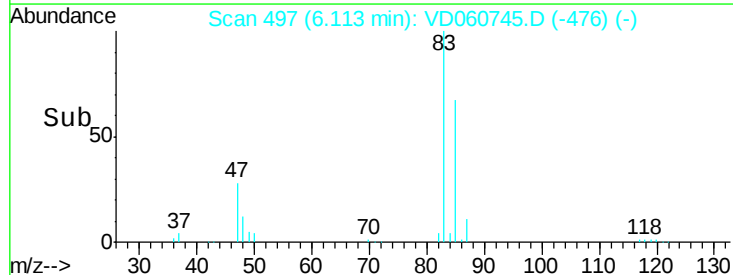
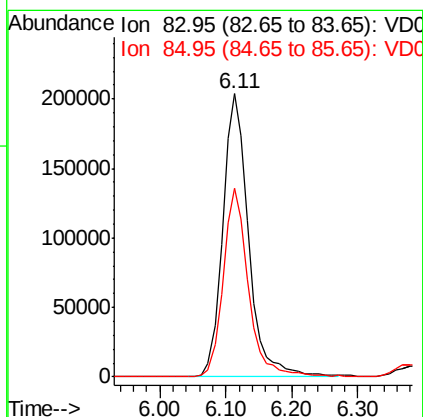
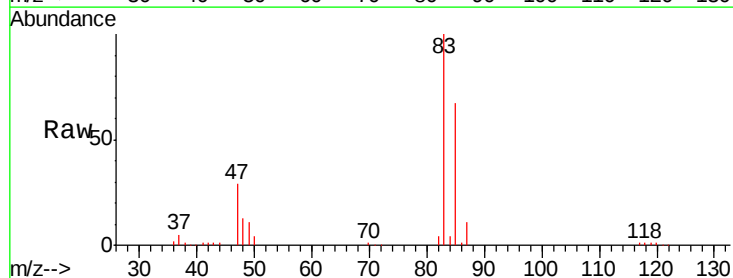
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

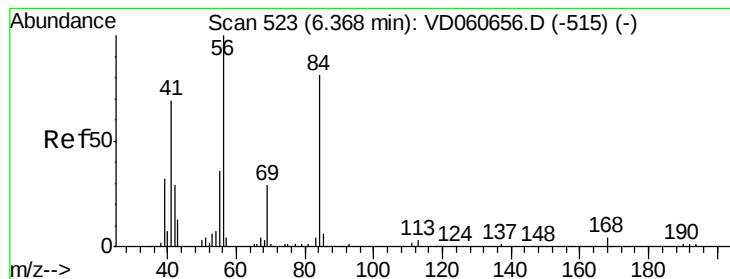
Tgt Ion: 42 Resp: 206450
Ion Ratio Lower Upper
42 100
72 35.1 28.0 42.0
71 31.9 27.0 40.6



#30
Chloroform
Concen: 21.334 ug/l
RT: 6.11 min Scan# 497
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 83 Resp: 558265
Ion Ratio Lower Upper
83 100
85 66.6 53.0 79.6





#31

Cyclohexane

Concen: 19.671 ug/l

RT: 6.38 min Scan# 524

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

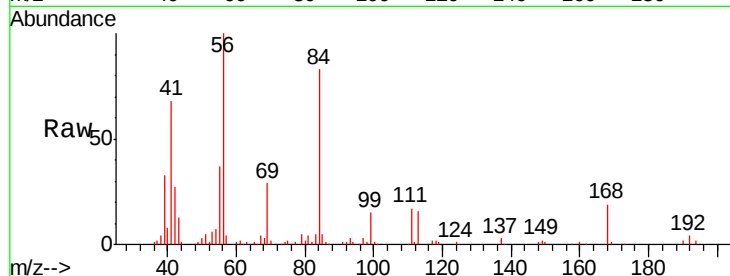
Tgt Ion: 56 Resp: 492308

Ion Ratio Lower Upper

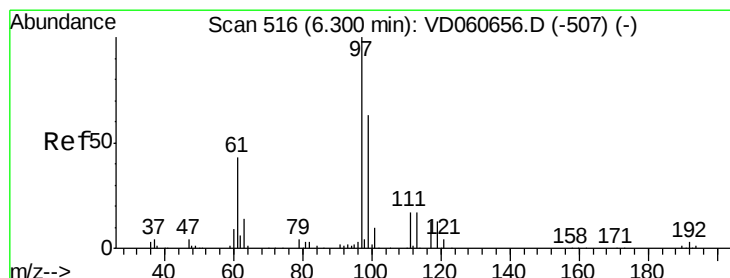
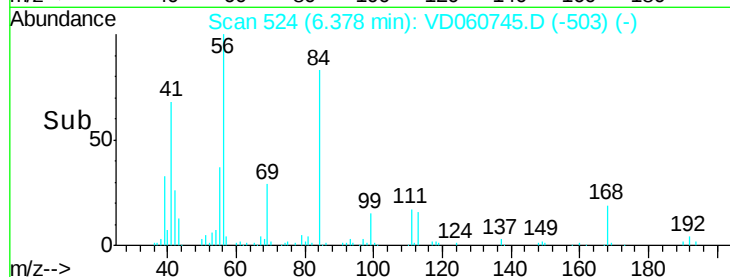
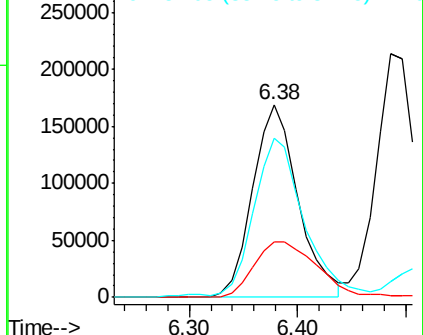
56 100

69 29.0 23.6 35.4

84 82.5 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 20.171 ug/l

RT: 6.30 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

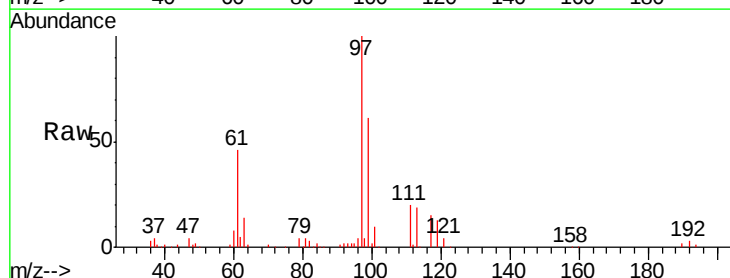
Tgt Ion: 97 Resp: 436696

Ion Ratio Lower Upper

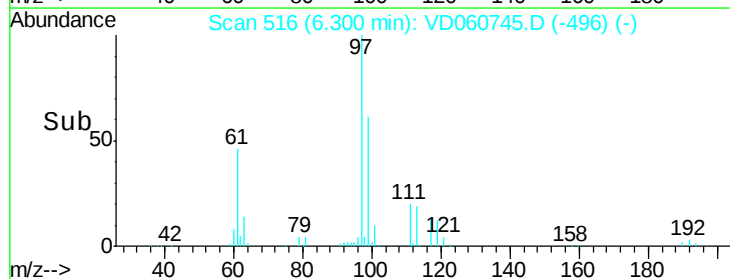
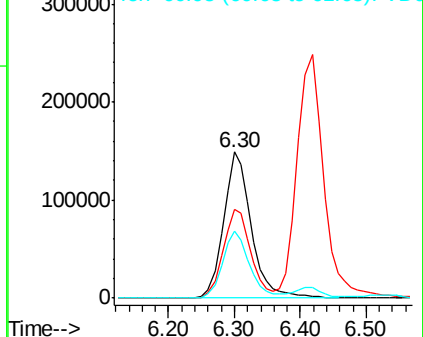
97 100

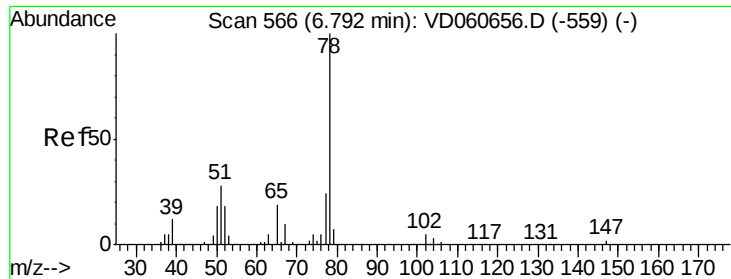
99 61.1 50.5 75.7

61 46.0 34.6 51.8



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





#33

1,2-Dichloroethane-d4

Concen: 20.171 ug/l

RT: 6.79 min Scan# 566

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

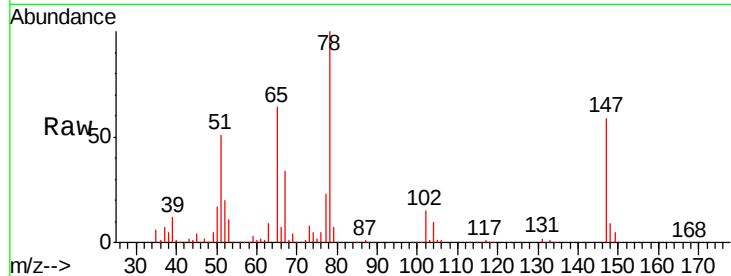
VD1228SBS01

Tgt Ion: 65 Resp: 535139

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

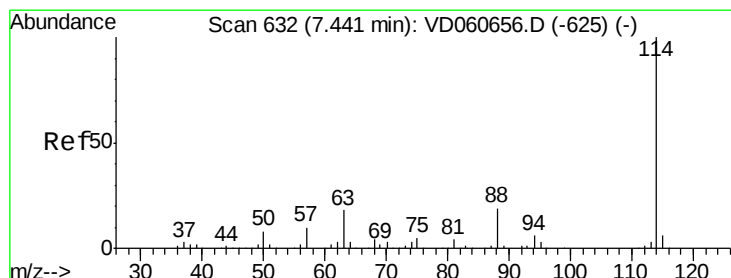
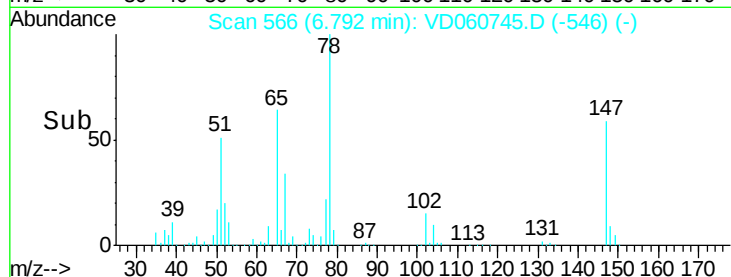
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 633

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

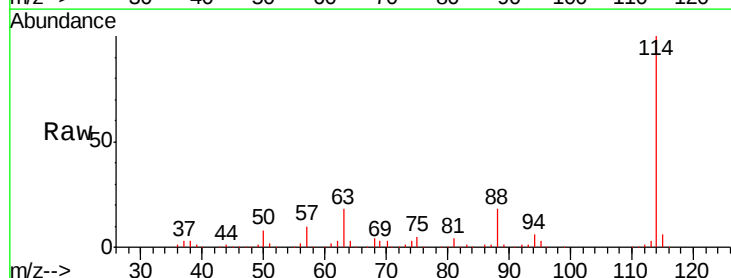
Tgt Ion: 114 Resp: 2027061

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

88 18.3 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

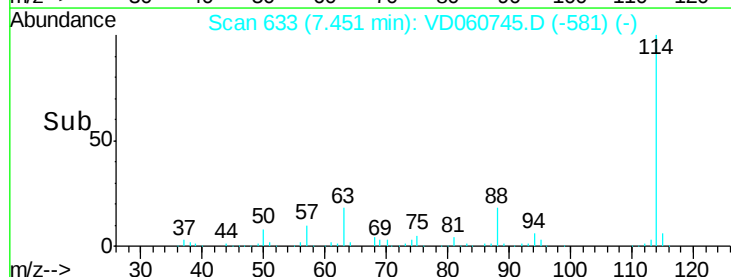
400000

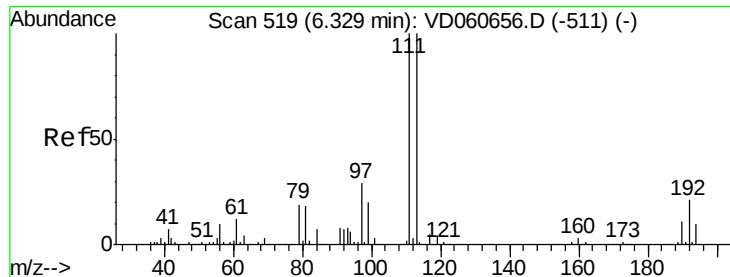
200000

0

7.30 7.40 7.50 7.60 7.70

Time-->

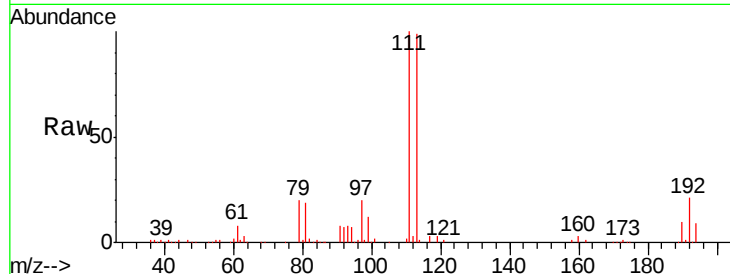




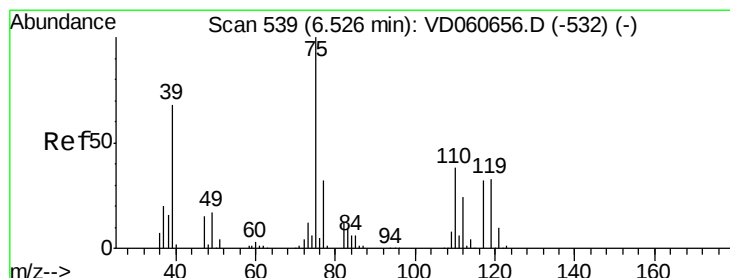
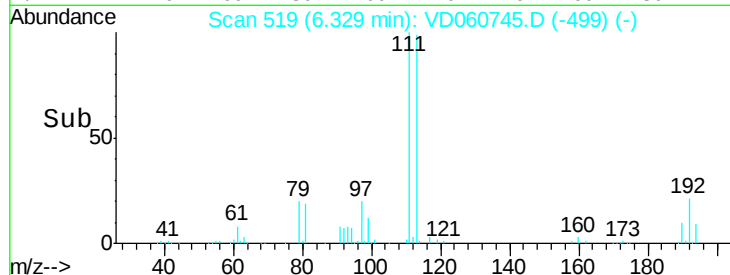
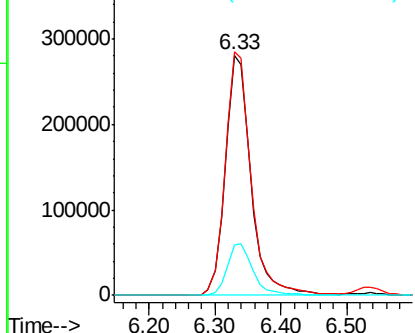
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.0	120.0
192	20.9	16.6	25.0

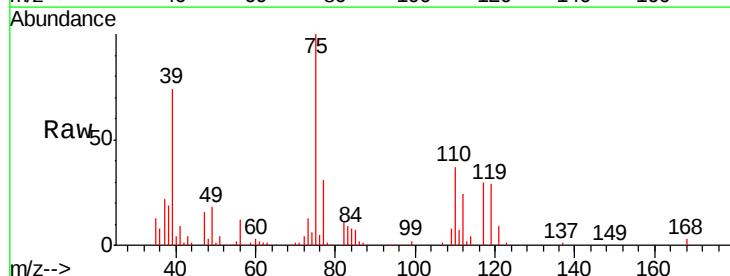


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

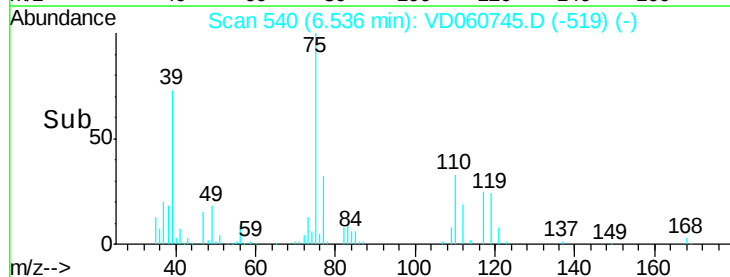
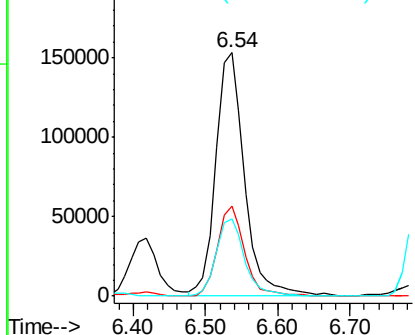


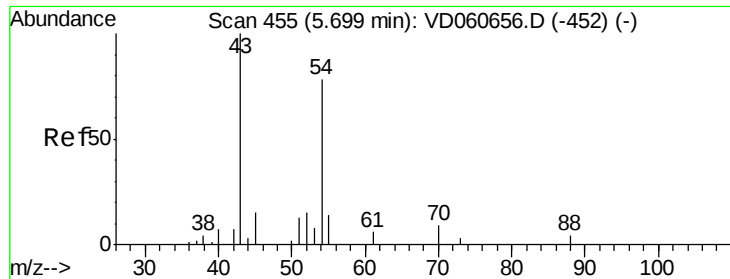
#36
 1,1-Dichloropropene
 Concen: 19.869 ug/l
 RT: 6.54 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.9	56.7
77	31.5	25.4	38.0



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

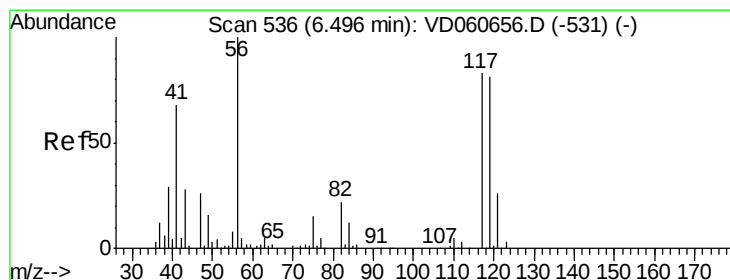
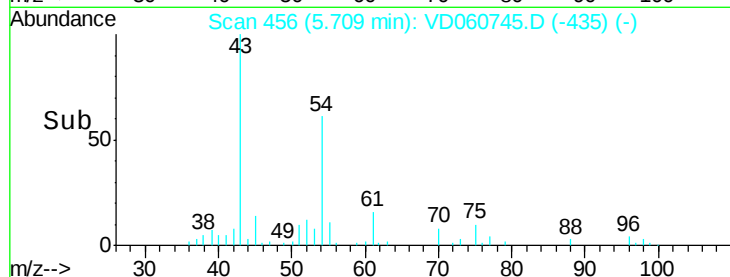
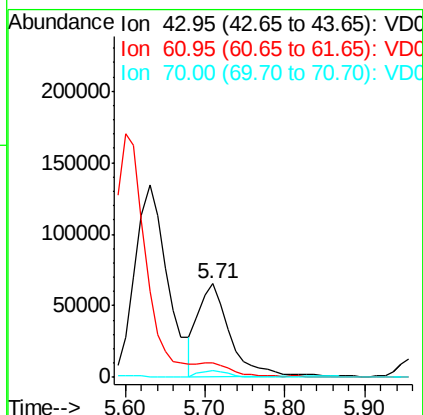
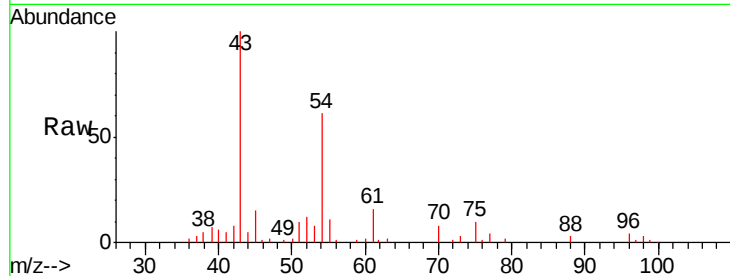




#37
Ethyl Acetate
Concen: 20.383 ug/l
RT: 5.71 min Scan# 456
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

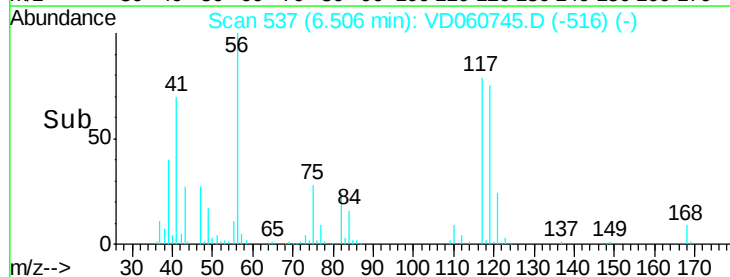
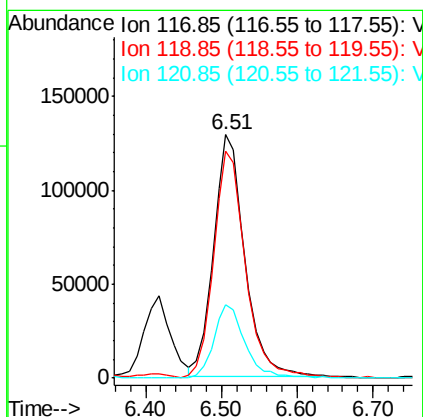
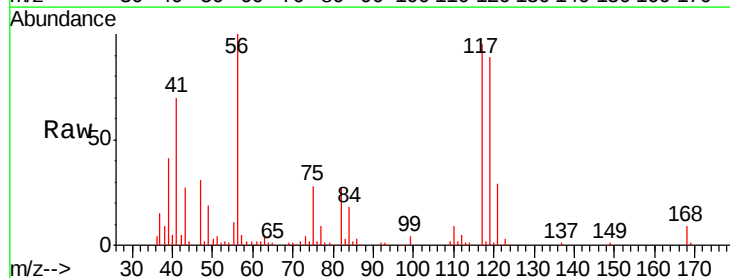
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

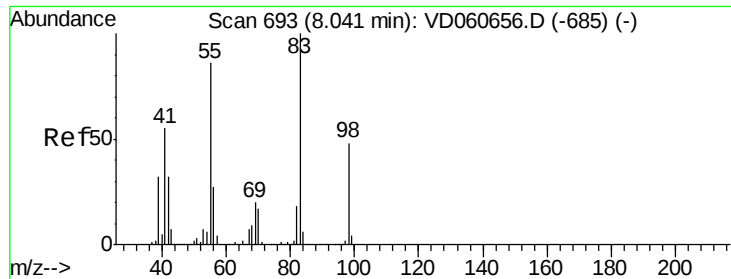
Tgt Ion: 43 Resp: 177941
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 7.5 5.8 8.6



#38
Carbon Tetrachloride
Concen: 20.201 ug/l
RT: 6.51 min Scan# 537
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 117 Resp: 371991
Ion Ratio Lower Upper
117 100
119 93.4 77.0 115.4
121 30.1 24.7 37.1

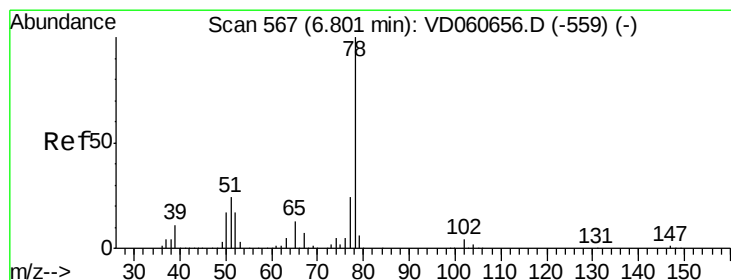
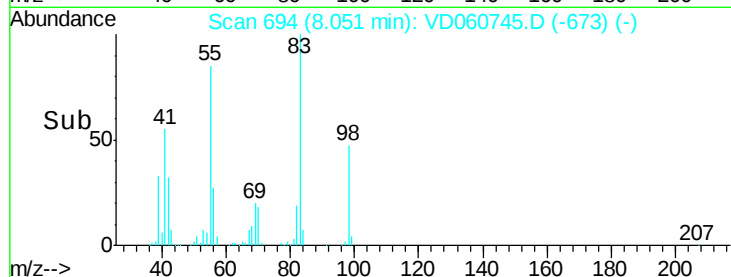
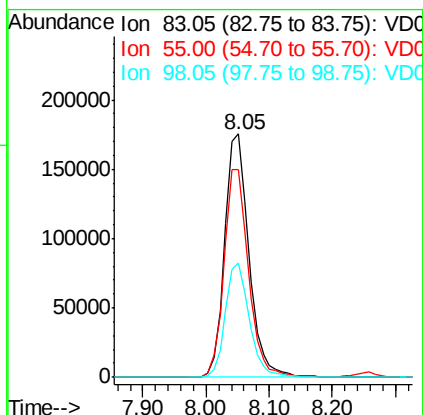
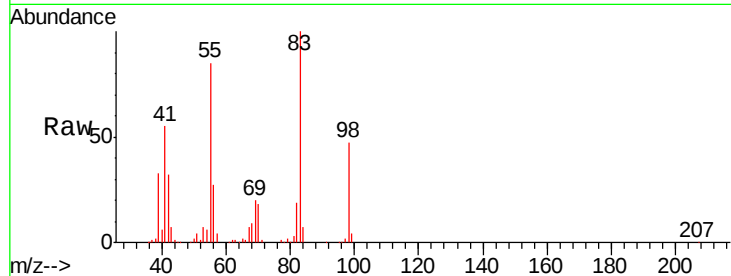




#39
Methylcyclohexane
Concen: 19.611 ug/l
RT: 8.05 min Scan# 694
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

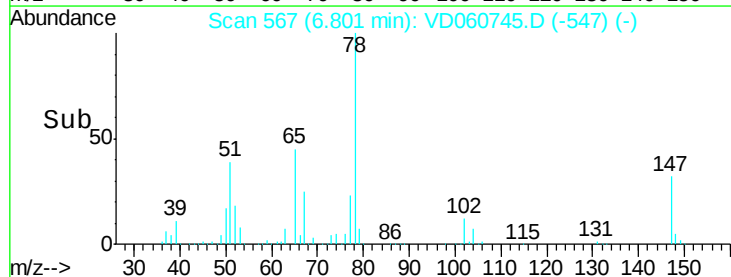
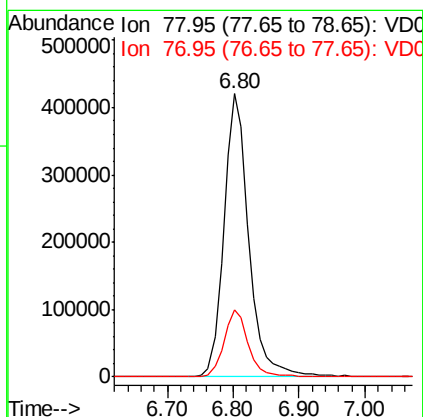
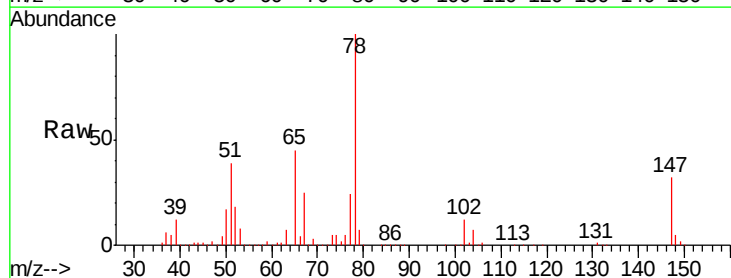
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

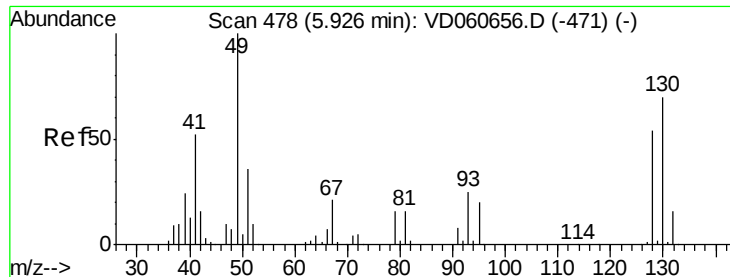
Tgt Ion: 83 Resp: 466854
Ion Ratio Lower Upper
83 100
55 85.2 68.6 102.8
98 47.1 38.1 57.1



#40
Benzene
Concen: 20.494 ug/l
RT: 6.80 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 78 Resp: 1104960
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8

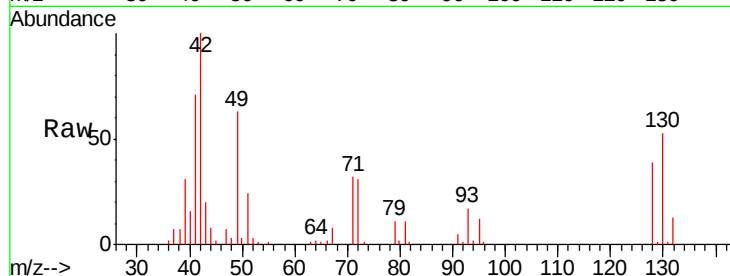




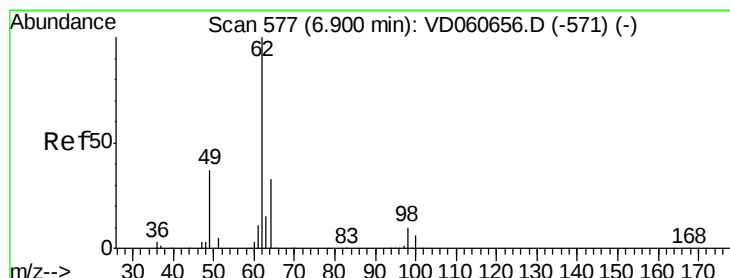
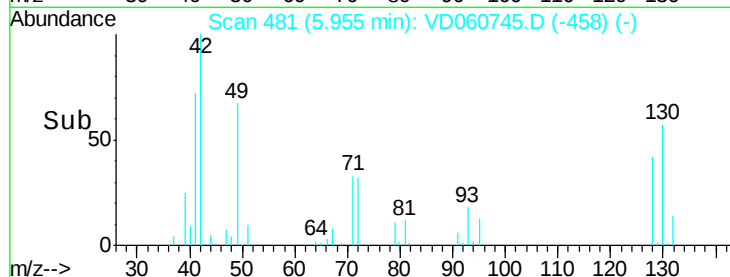
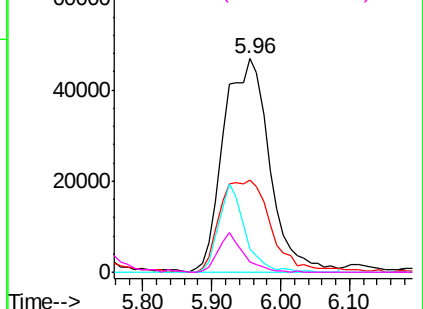
#41
Methacrylonitrile
Concen: 44.977 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.03 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tgt Ion: 41 Resp: 217183
Ion Ratio Lower Upper
41 100
39 42.9 37.6 56.4
67 11.1 33.0 49.6#
52 4.7 15.5 23.3#

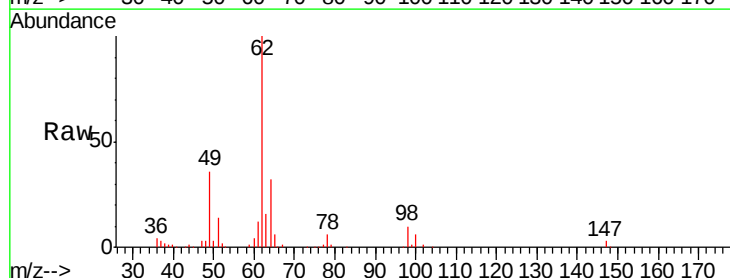


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

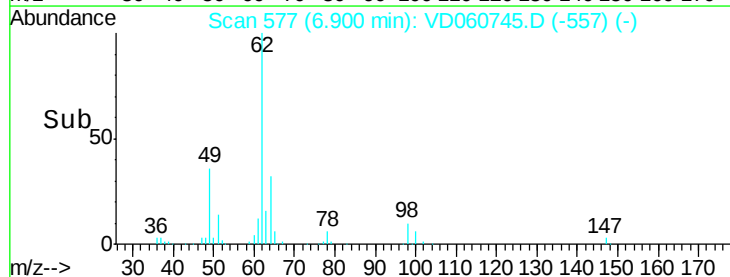
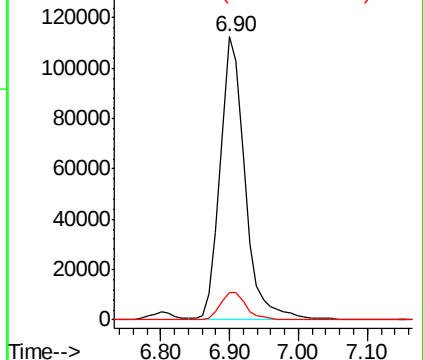


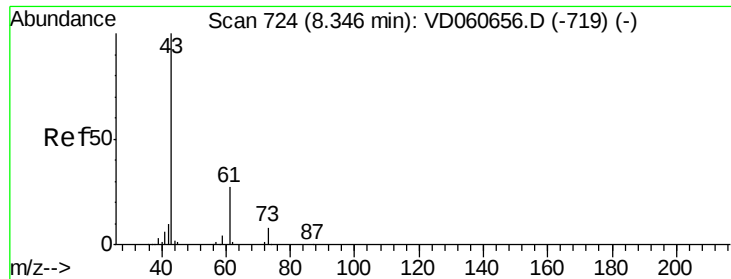
#42
1,2-Dichloroethane
Concen: 20.946 ug/l
RT: 6.90 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 62 Resp: 280249
Ion Ratio Lower Upper
62 100
98 9.6 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: 21.030 ug/l

RT: 8.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

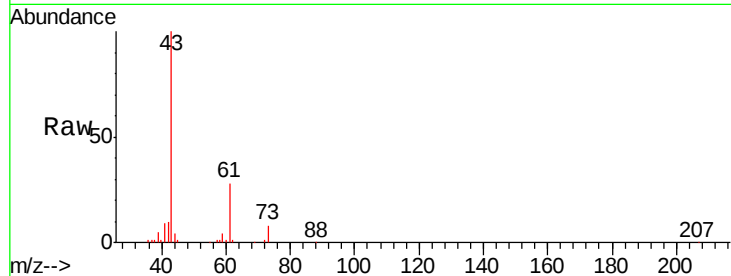
Tgt Ion: 43 Resp: 235587

Ion Ratio Lower Upper

43 100

61 28.1 21.8 32.8

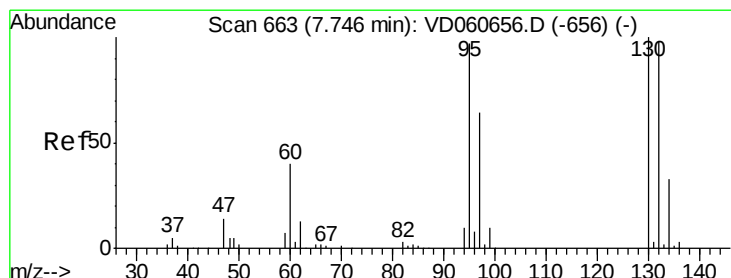
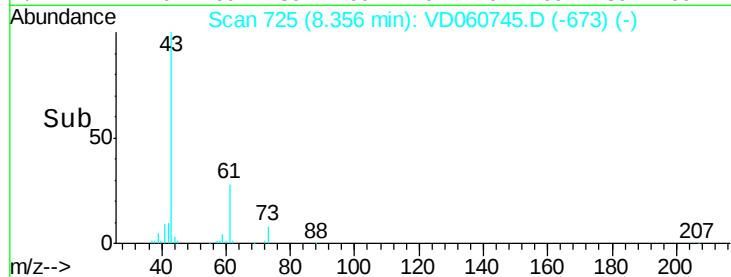
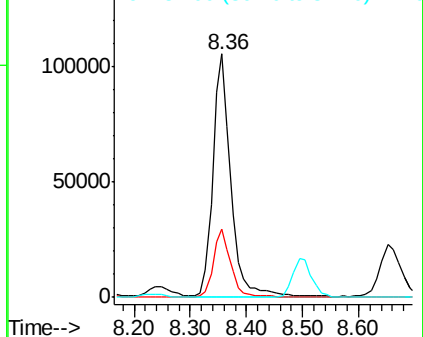
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.681 ug/l

RT: 7.75 min Scan# 663

Delta R.T. 0.00 min

Lab File: VD060745.D

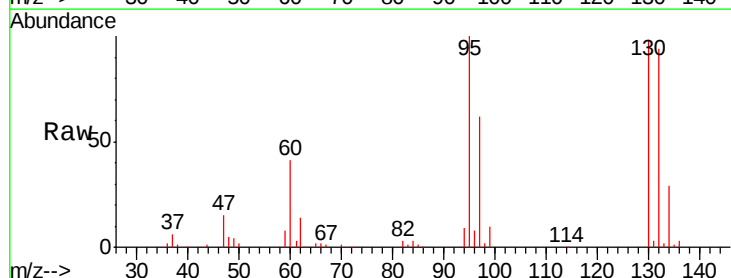
Acq: 28 Dec 2018 14:31

Tgt Ion:130 Resp: 330036

Ion Ratio Lower Upper

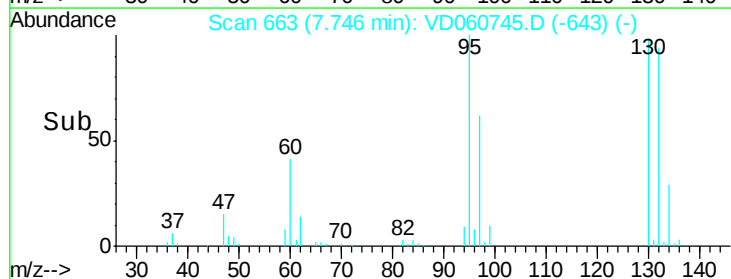
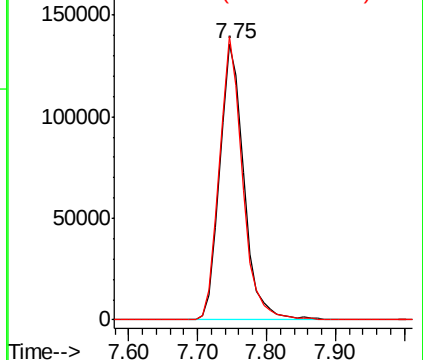
130 100

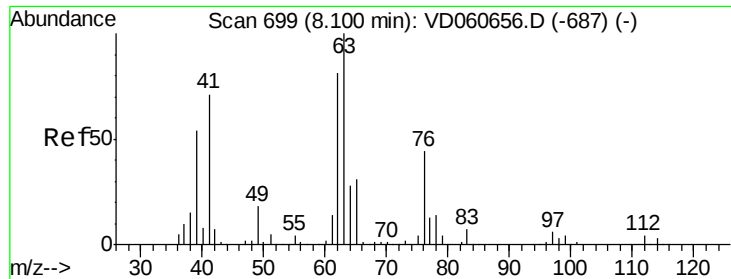
95 102.5 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.487 ug/l

RT: 8.11 min Scan# 700

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

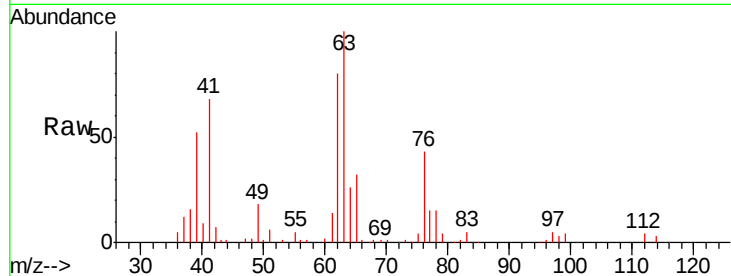
VD1228SBS01

Tgt Ion: 63 Resp: 270884

Ion Ratio Lower Upper

63 100

65 32.1 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

120000

100000

80000

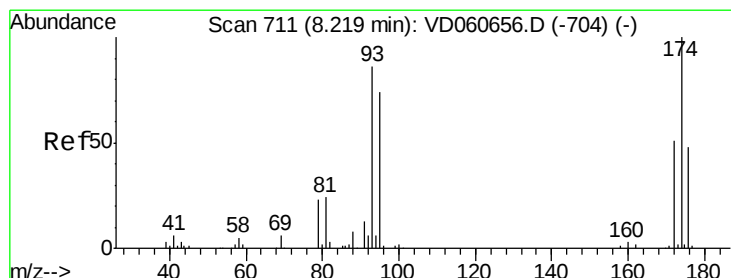
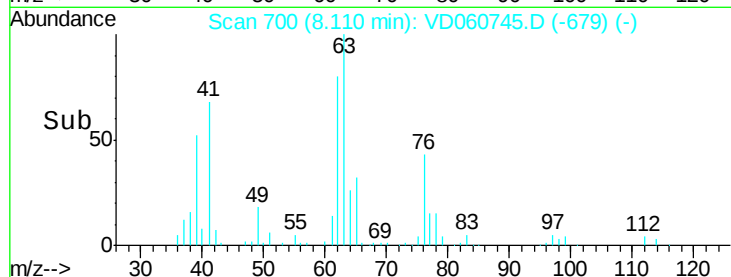
60000

40000

20000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 21.146 ug/l

RT: 8.23 min Scan# 712

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

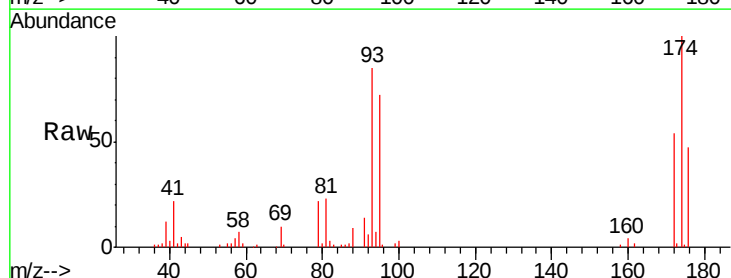
Tgt Ion: 93 Resp: 159577

Ion Ratio Lower Upper

93 100

95 84.3 68.8 103.2

174 117.3 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): VDC

8.23

100000

80000

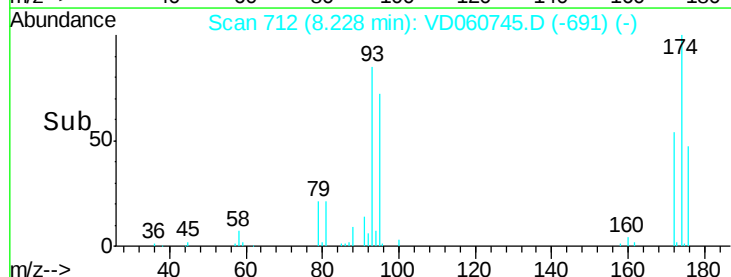
60000

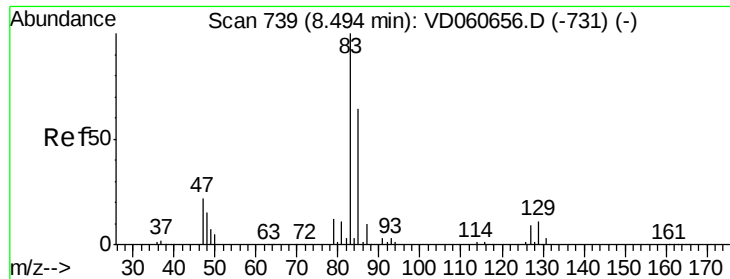
40000

20000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 21.384 ug/l

RT: 8.49 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

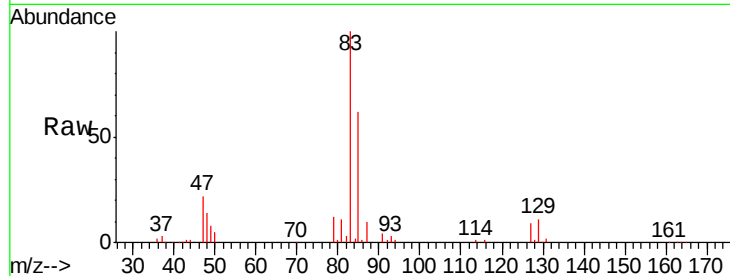
Tgt Ion: 83 Resp: 382226

Ion Ratio Lower Upper

83 100

85 62.4 51.1 76.7

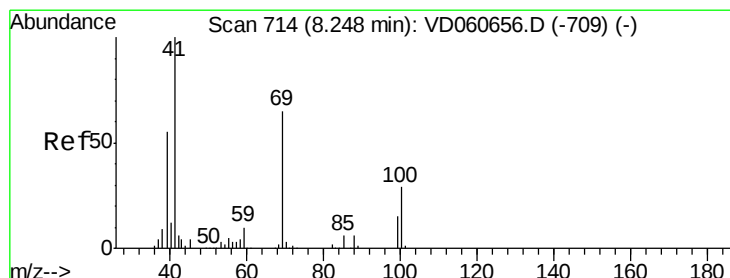
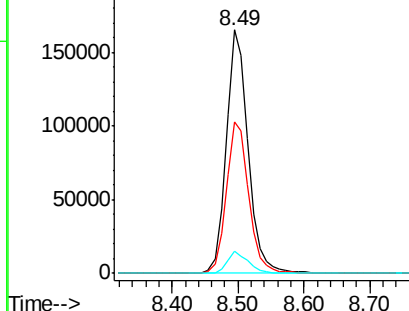
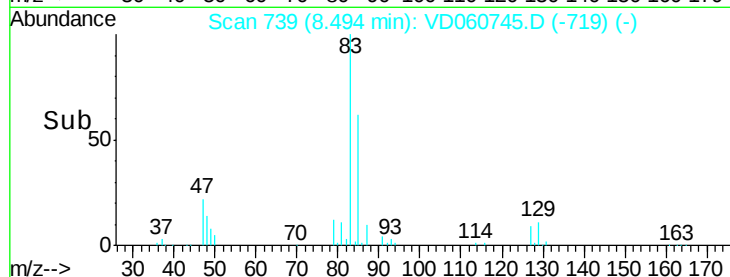
127 8.9 7.0 10.6



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: 21.247 ug/l

RT: 8.25 min Scan# 714

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

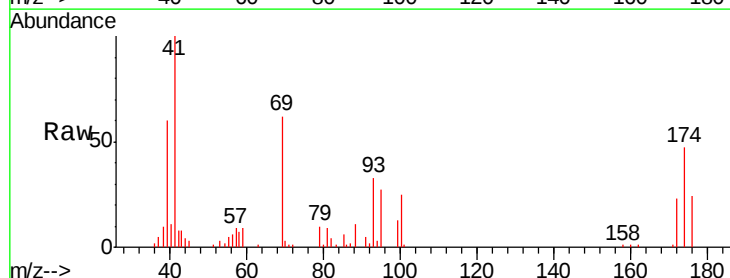
Tgt Ion: 41 Resp: 144569

Ion Ratio Lower Upper

41 100

69 61.9 51.2 76.8

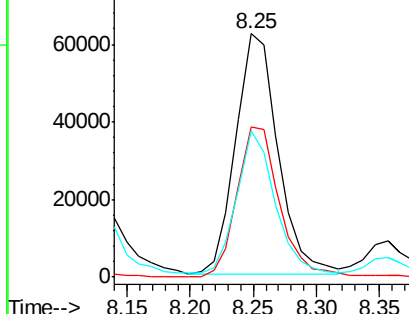
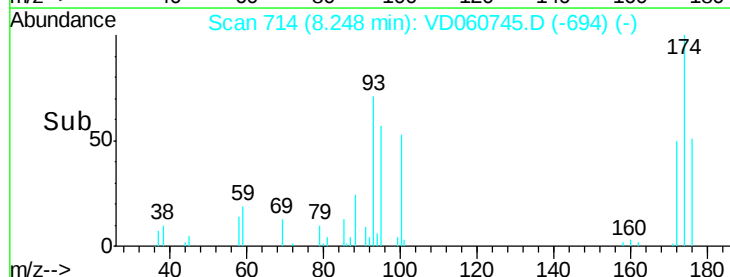
39 60.0 44.6 67.0

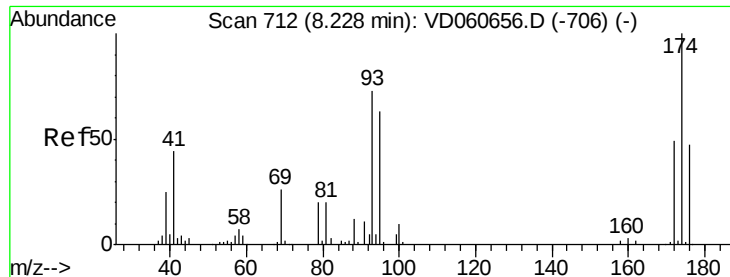


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

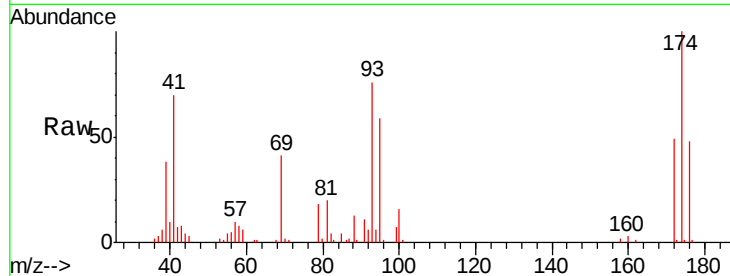




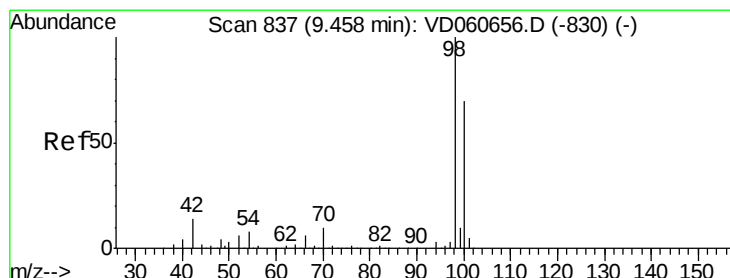
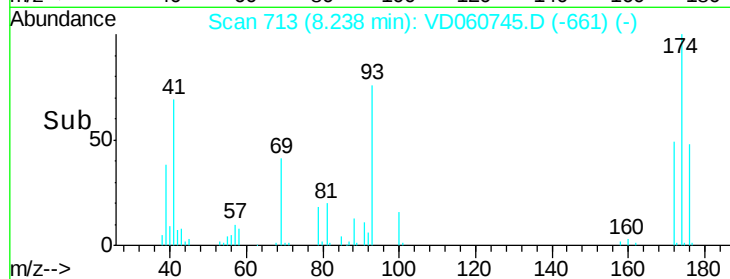
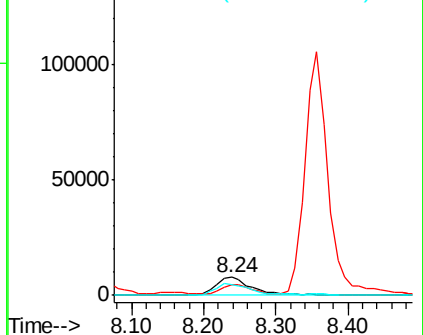
#49
1,4-Dioxane
Concen: 417.774 ug/l
RT: 8.24 min Scan# 713
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tgt Ion: 88 Resp: 26430
Ion Ratio Lower Upper
88 100
43 58.6 31.5 47.3#
58 61.8 50.6 76.0

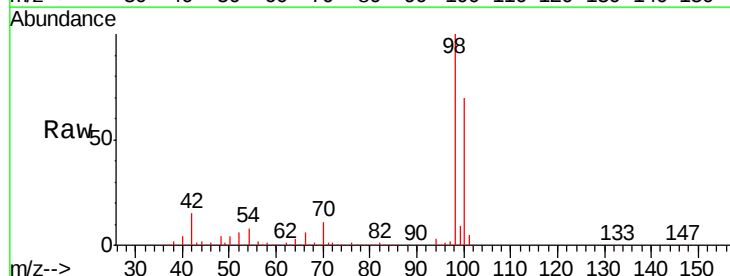


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

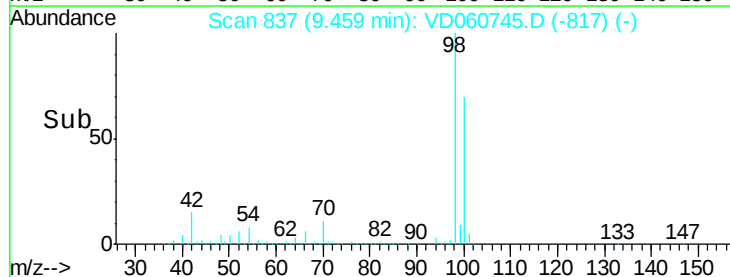
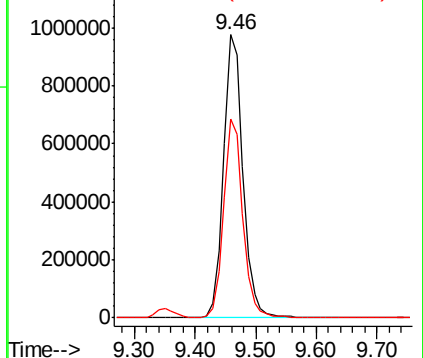


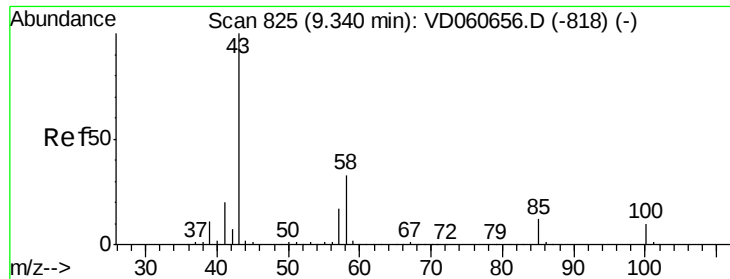
#50
Toluene-d8
Concen: 417.774 ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 98 Resp: 2172496
Ion Ratio Lower Upper
98 100
100 70.2 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: 109.957 ug/l

RT: 9.35 min Scan# 826

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

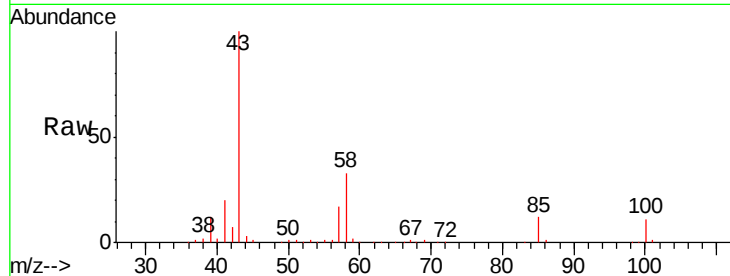
VD1228SBS01

Tgt Ion: 43 Resp: 754695

Ion Ratio Lower Upper

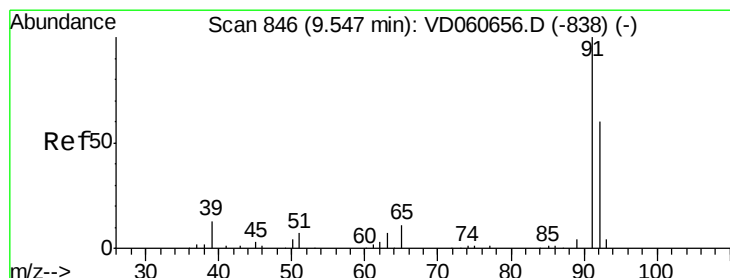
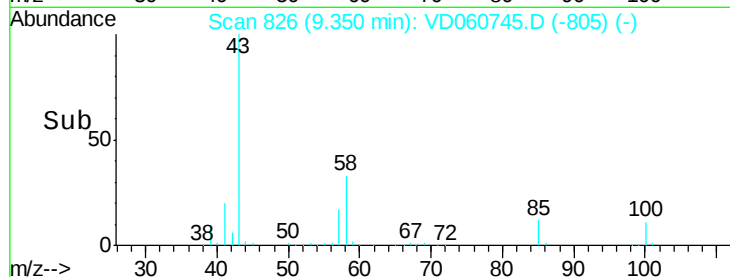
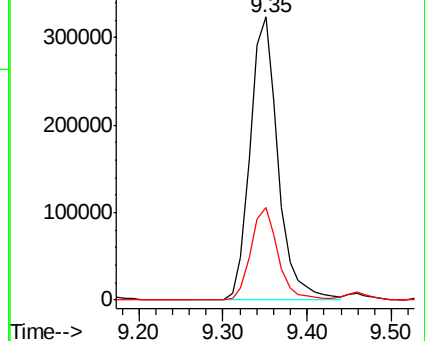
43 100

58 32.8 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: 20.261 ug/l

RT: 9.56 min Scan# 847

Delta R.T. 0.01 min

Lab File: VD060745.D

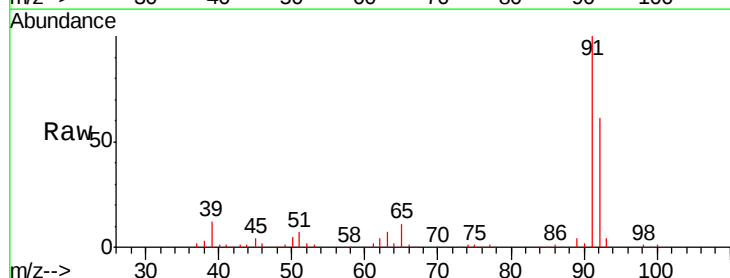
Acq: 28 Dec 2018 14:31

Tgt Ion: 92 Resp: 684808

Ion Ratio Lower Upper

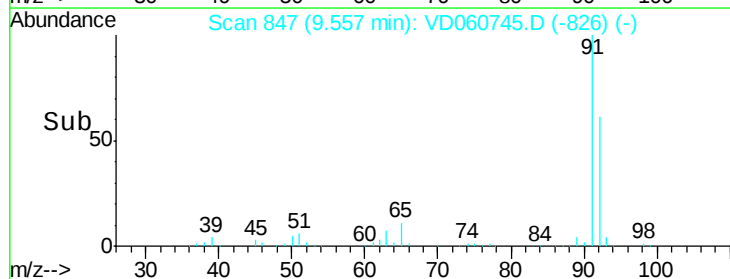
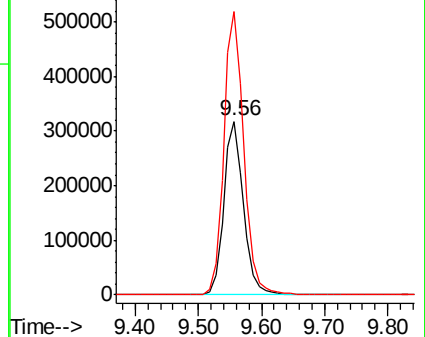
92 100

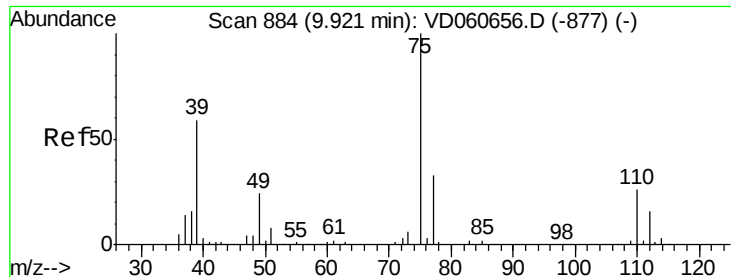
91 163.0 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

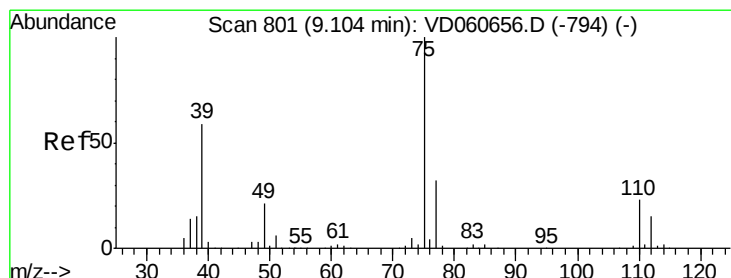
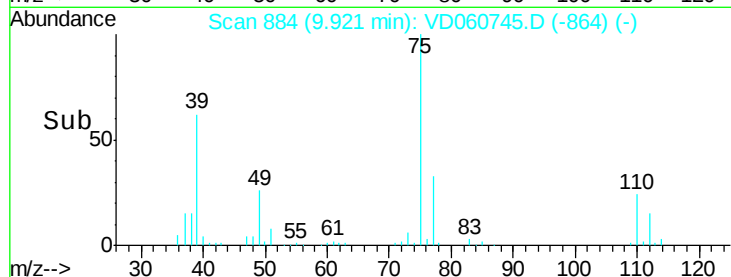
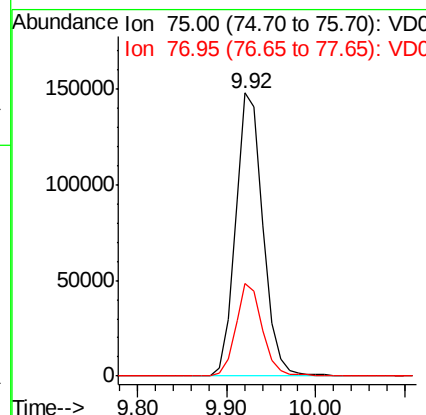
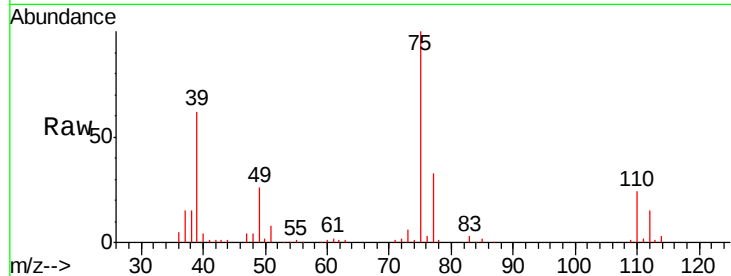




#53
 t-1,3-Dichloropropene
 Concen: 21.300 ug/l
 RT: 9.92 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

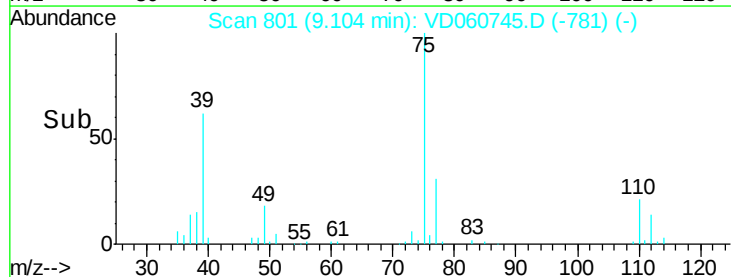
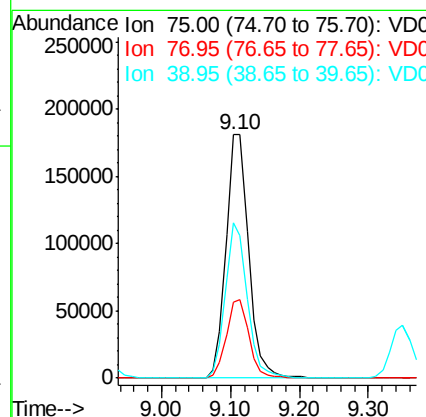
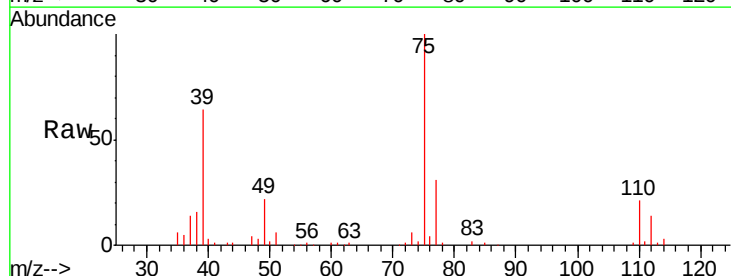
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

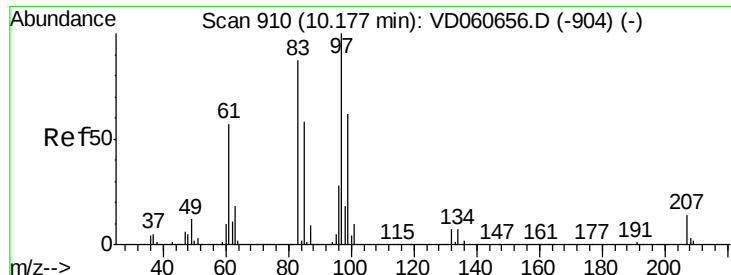
Tgt Ion: 75 Resp: 317618
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.149 ug/l
 RT: 9.10 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 75 Resp: 412786
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2
 39 63.5 47.0 70.4

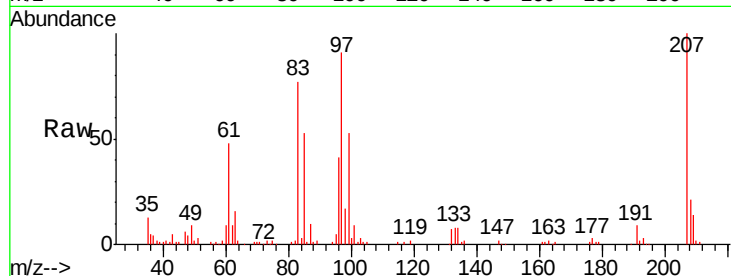




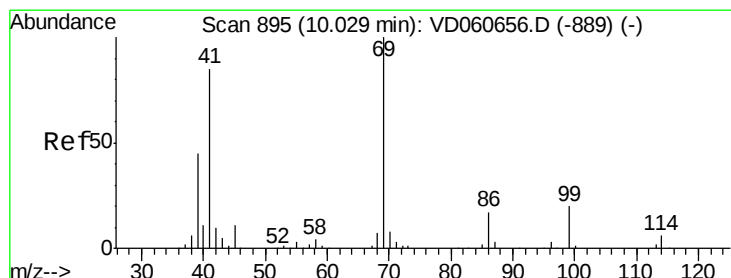
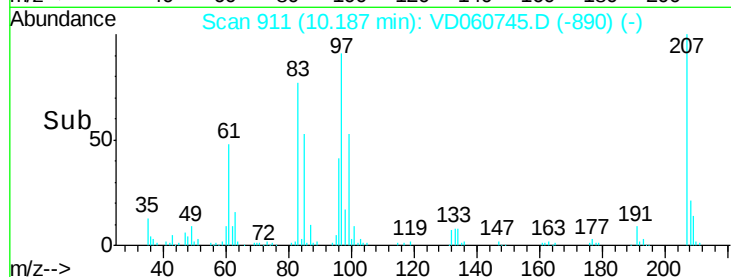
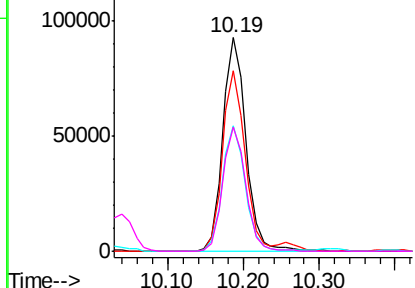
#55
 1,1,2-Trichloroethane
 Concen: 21.534 ug/l
 RT: 10.19 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tgt Ion:	97	Resp:	195832
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.0	105.0
85	58.6	46.6	70.0
99	58.0	49.6	74.4

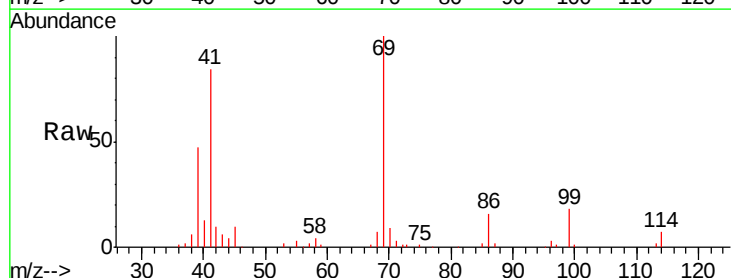


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

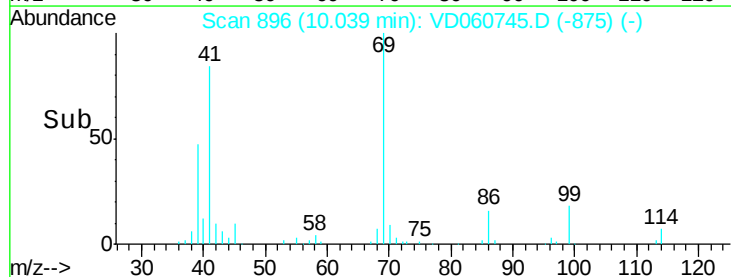
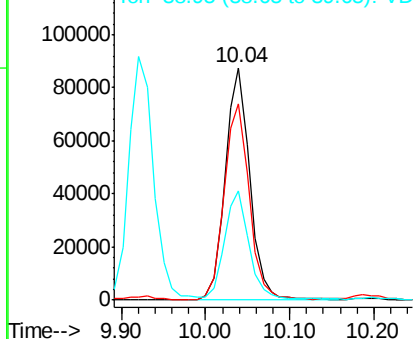


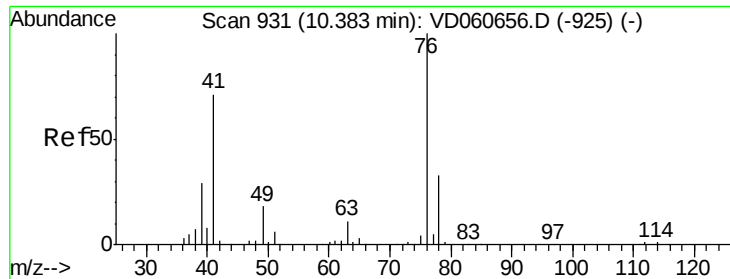
#56
 Ethyl methacrylate
 Concen: 20.841 ug/l
 RT: 10.04 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion:	69	Resp:	176045
Ion	Ratio	Lower	Upper
69	100		
41	84.4	68.3	102.5
39	46.9	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

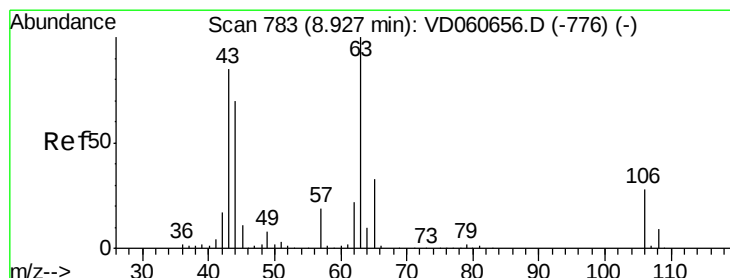
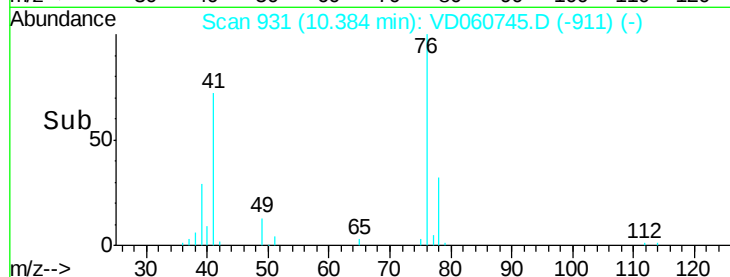
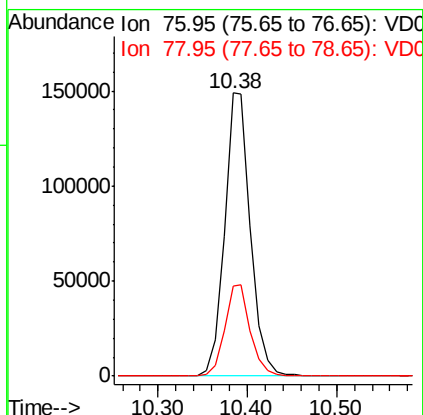
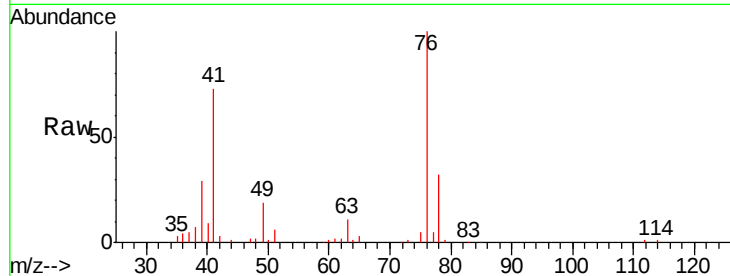




#57
 1,3-Dichloropropane
 Concen: 20.975 ug/l
 RT: 10.38 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

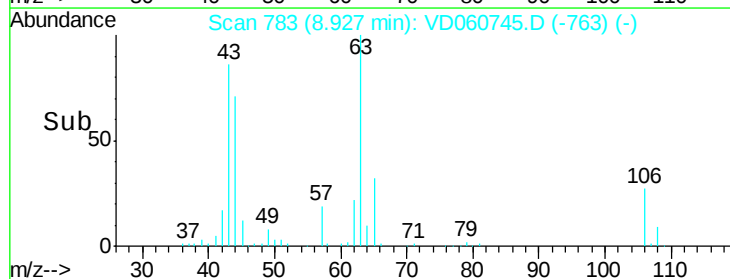
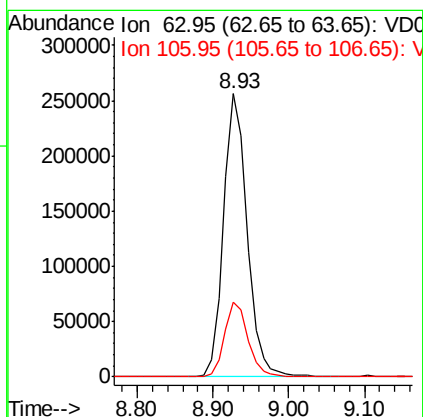
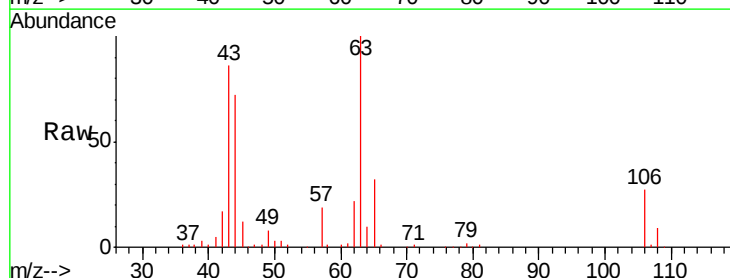
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

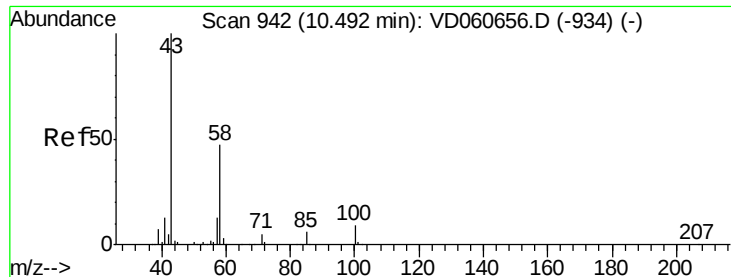
Tgt Ion: 76 Resp: 302345
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.316 ug/l
 RT: 8.93 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 63 Resp: 554035
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.4 33.6

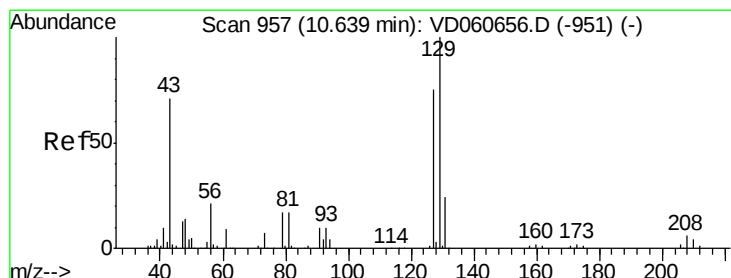
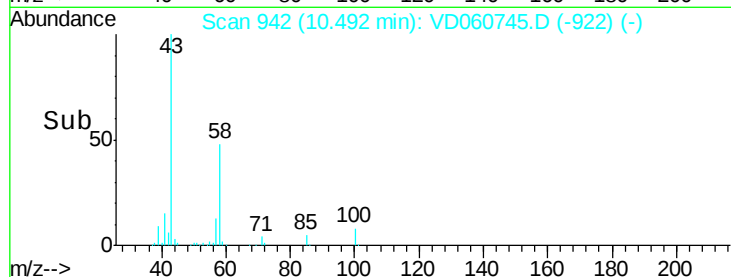
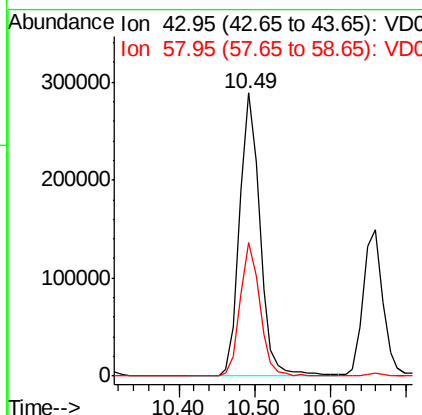
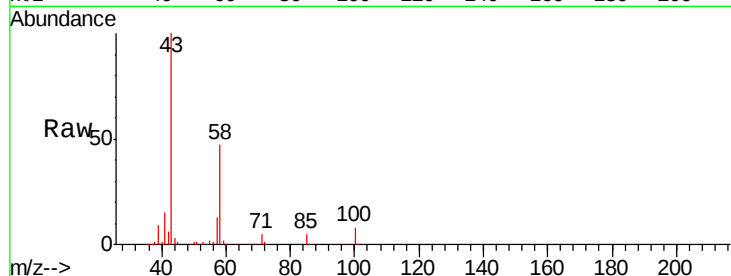




#59
2-Hexanone
Concen: 111.586 ug/l
RT: 10.49 min Scan# 942
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

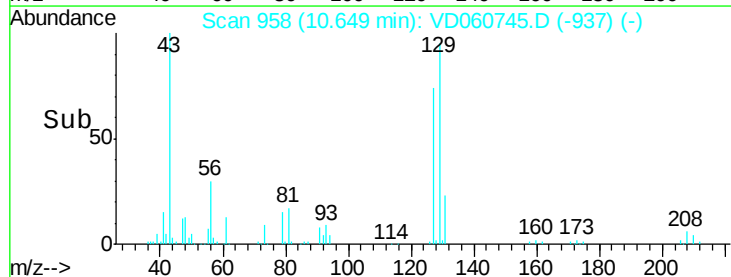
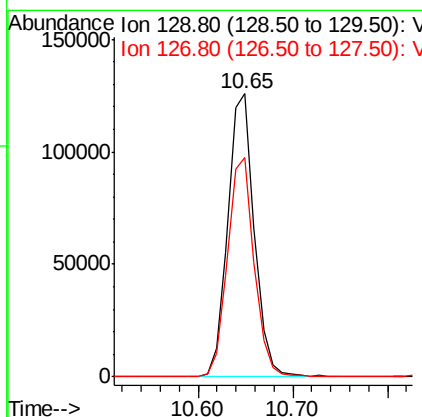
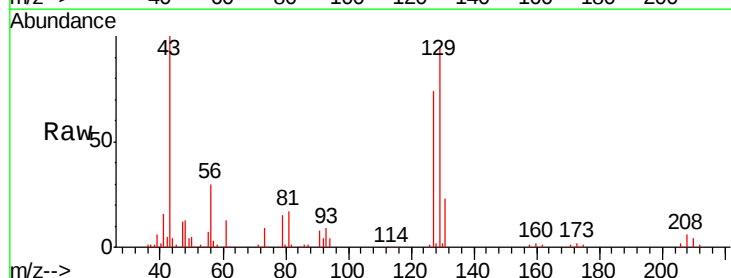
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

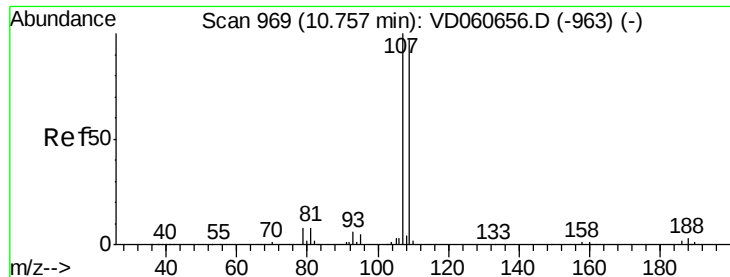
Tgt Ion: 43 Resp: 536084
Ion Ratio Lower Upper
43 100
58 47.4 23.5 70.5



#60
Dibromochloromethane
Concen: 21.004 ug/l
RT: 10.65 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 129 Resp: 243303
Ion Ratio Lower Upper
129 100
127 77.7 37.6 112.9

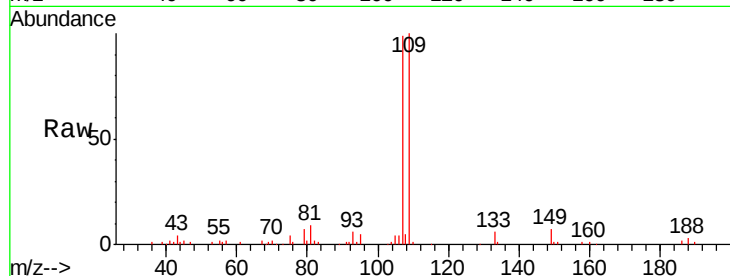




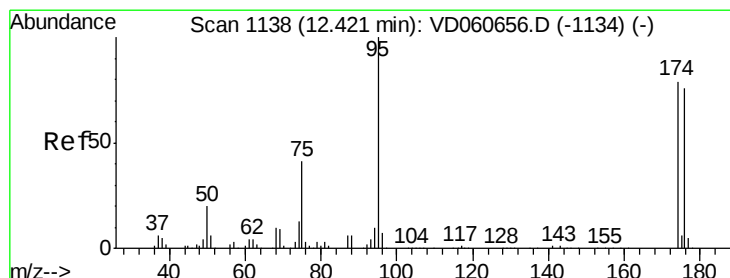
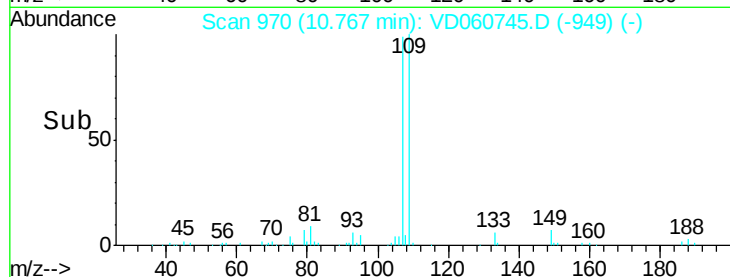
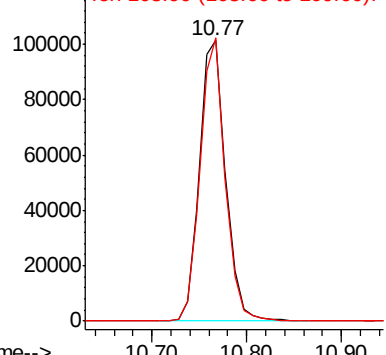
#61
 1,2-Dibromoethane
 Concen: 20.416 ug/l
 RT: 10.77 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tgt Ion: 107 Resp: 192581
 Ion Ratio Lower Upper
 107 100
 109 100.9 78.0 117.0

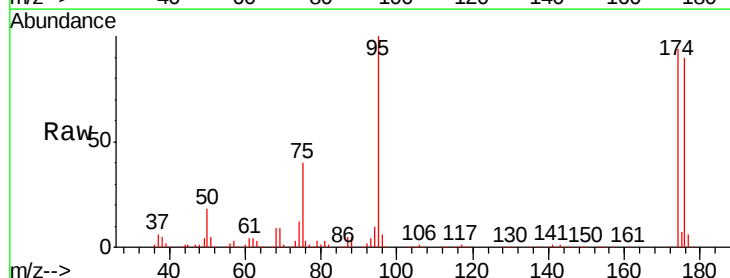


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

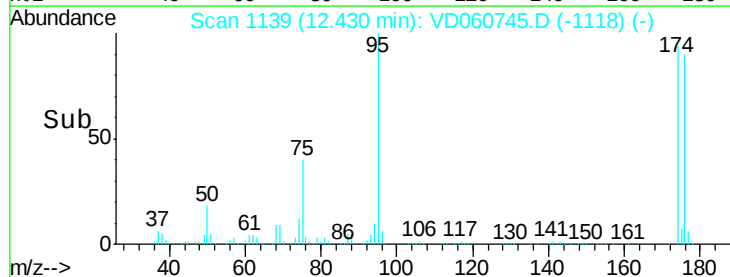
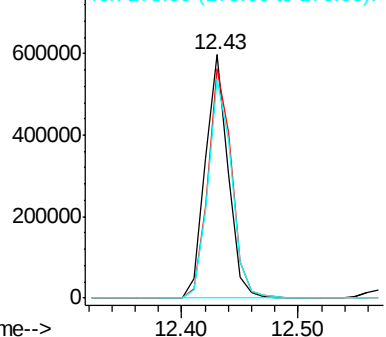


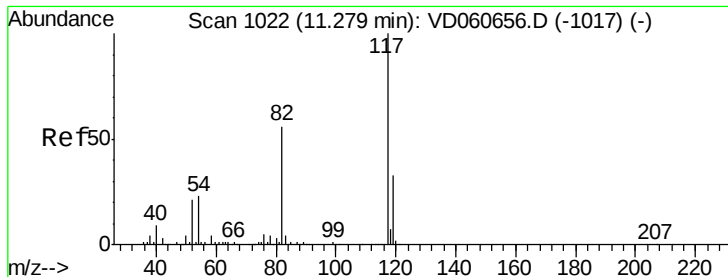
#62
 4-Bromofluorobenzene
 Concen: 20.416 ug/l
 RT: 12.43 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 95 Resp: 808539
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 158.2
 176 90.1 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

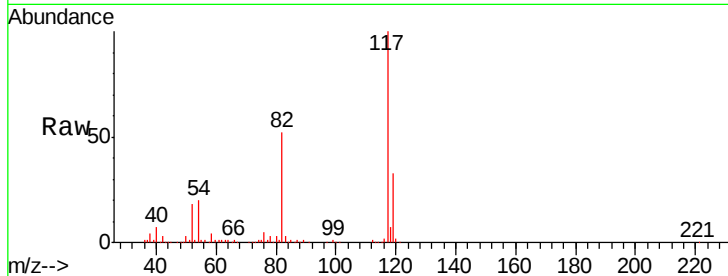




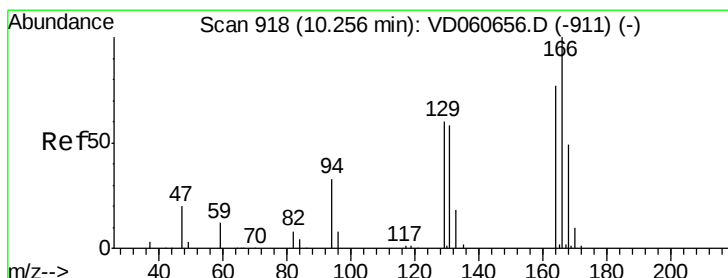
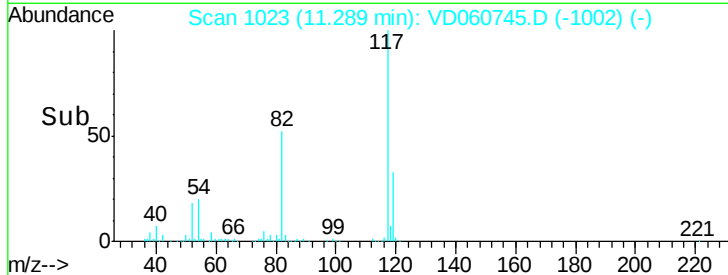
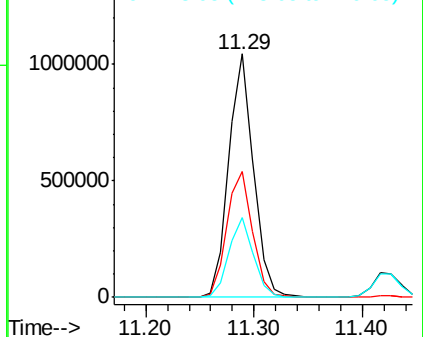
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tgt Ion:117 Resp: 1661571
Ion Ratio Lower Upper
117 100
82 51.7 44.5 66.7
119 33.0 26.3 39.5

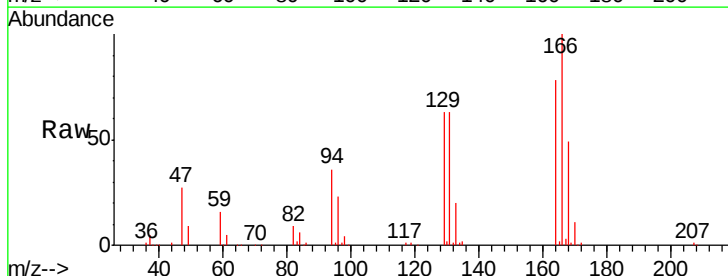


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

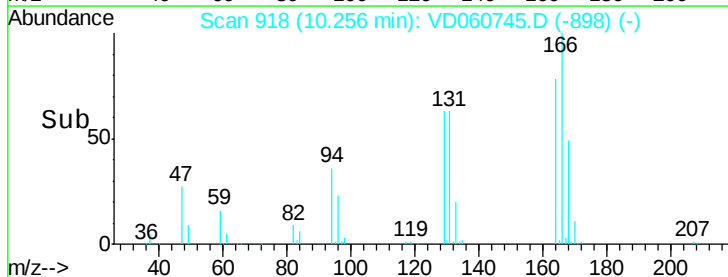
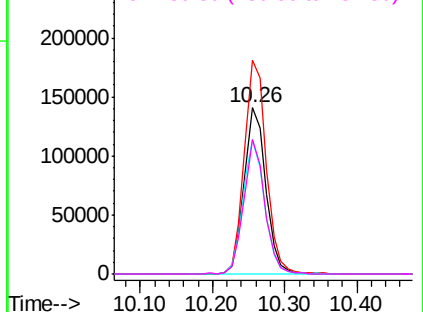


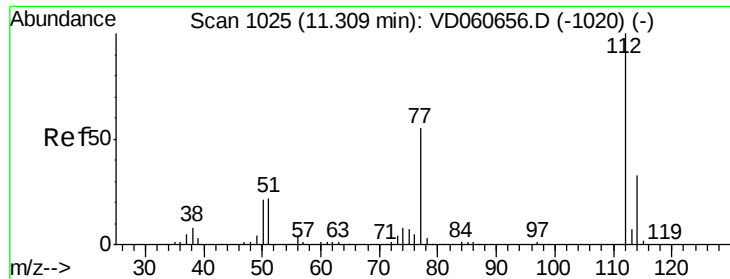
#64
Tetrachloroethene
Concen: 19.951 ug/l
RT: 10.26 min Scan# 918
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion:164 Resp: 300465
Ion Ratio Lower Upper
164 100
166 128.6 104.4 156.6
129 80.8 62.7 94.1
131 80.9 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

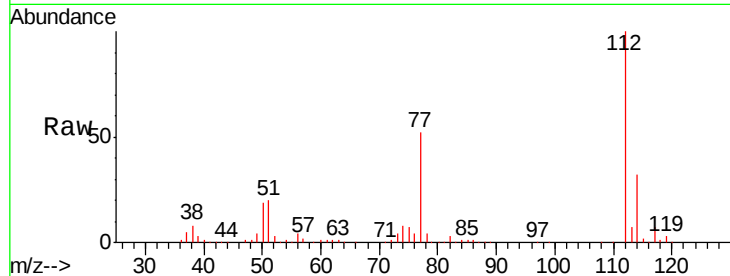




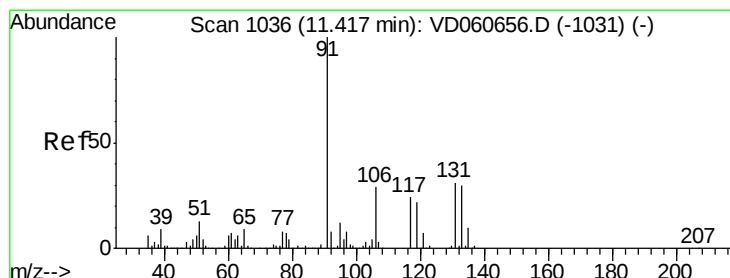
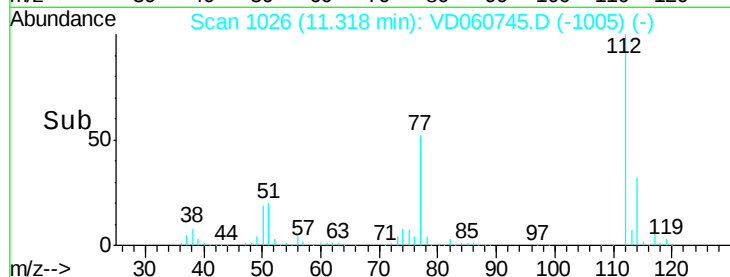
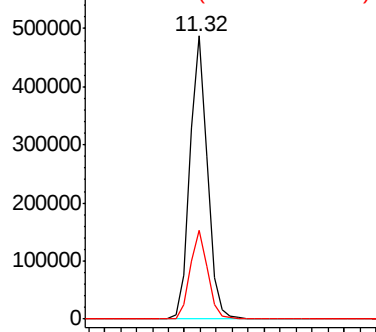
#65
Chlorobenzene
Concen: 20.596 ug/l
RT: 11.32 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tgt Ion:112 Resp: 756082
Ion Ratio Lower Upper
112 100
114 31.5 26.1 39.1

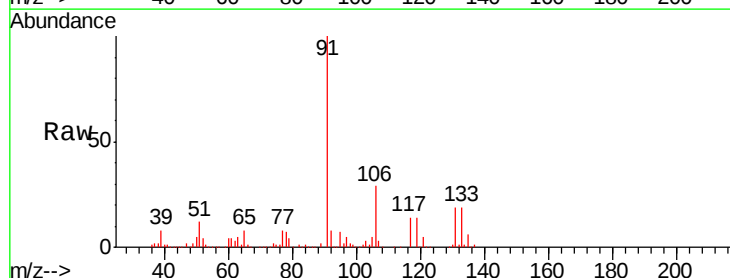


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

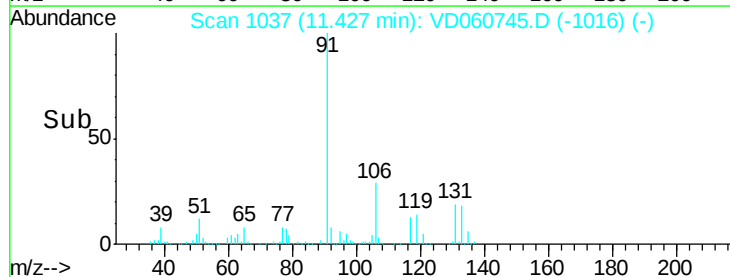
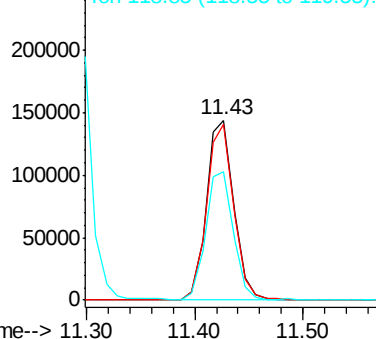


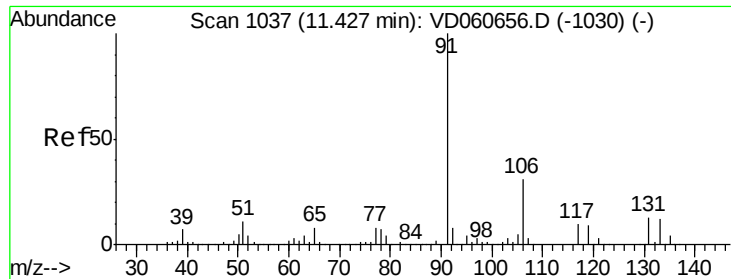
#66
1,1,1,2-Tetrachloroethane
Concen: 21.364 ug/l
RT: 11.43 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion:131 Resp: 252166
Ion Ratio Lower Upper
131 100
133 97.6 49.1 147.3
119 71.8 36.6 109.8



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

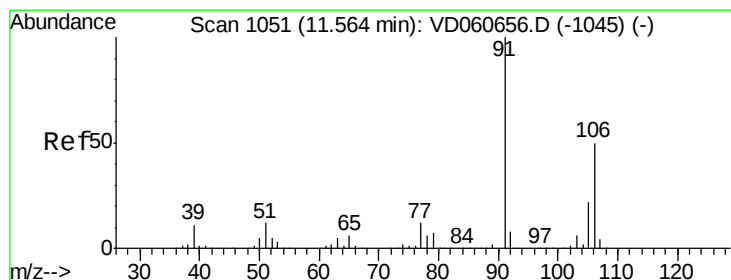
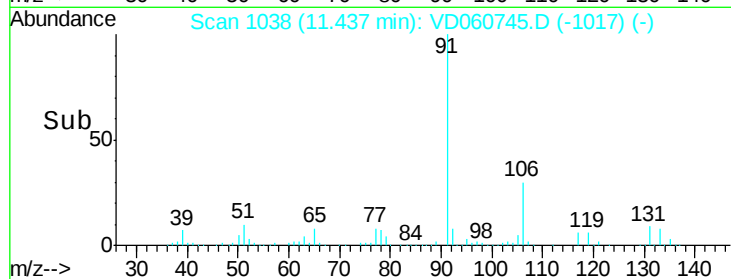
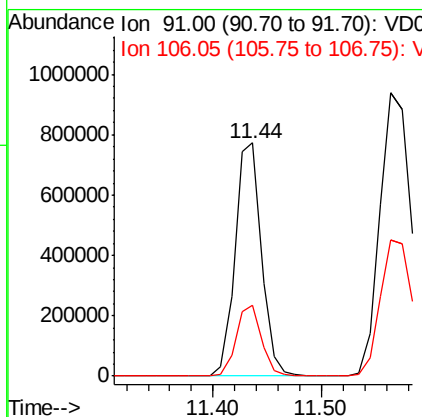
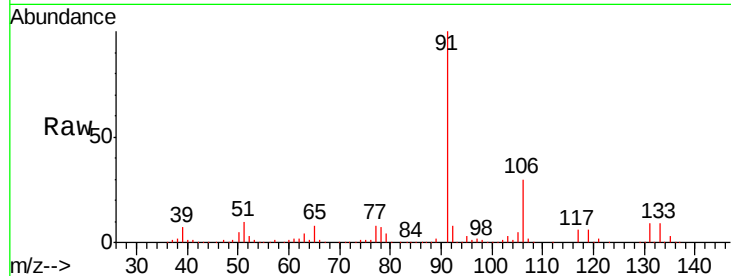




#67
Ethyl Benzene
Concen: 20.787 ug/l
RT: 11.44 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

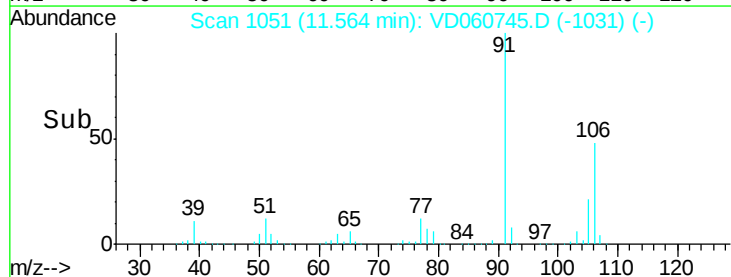
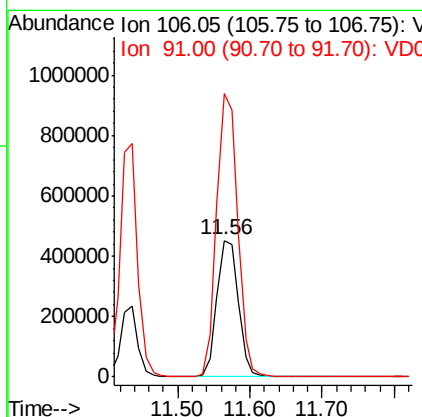
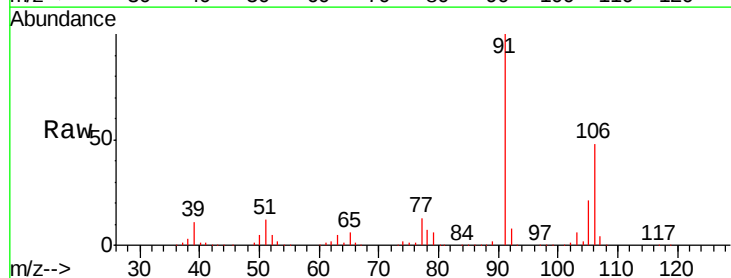
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tgt Ion: 91 Resp: 1306862
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 39.961 ug/l
RT: 11.56 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 106 Resp: 918147
Ion Ratio Lower Upper
106 100
91 207.1 158.9 238.3

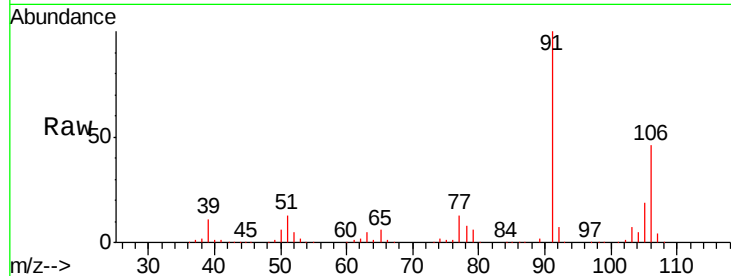




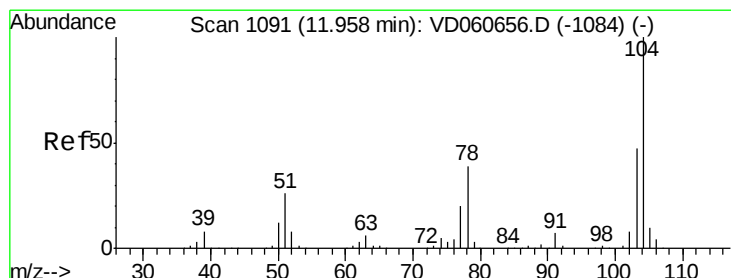
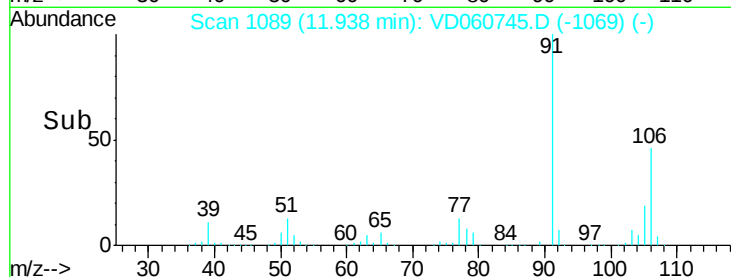
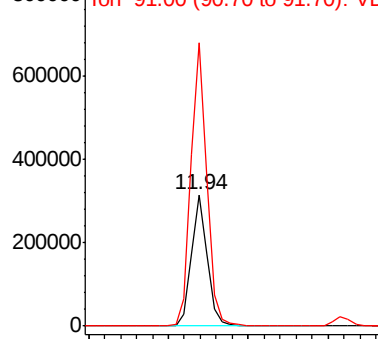
#69
o-Xylene
Concen: 20.376 ug/l
RT: 11.94 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tgt Ion:106 Resp: 444157
Ion Ratio Lower Upper
106 100
91 216.0 101.5 304.5

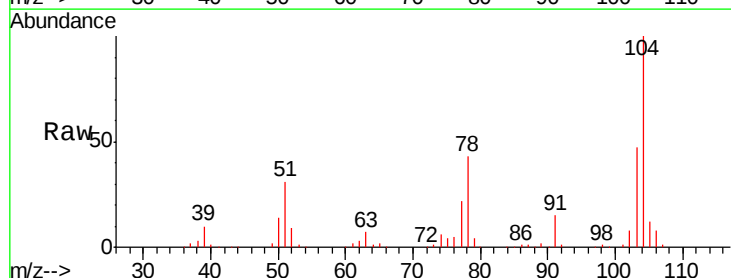


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

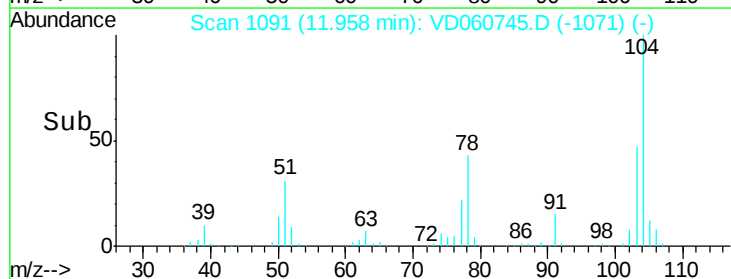
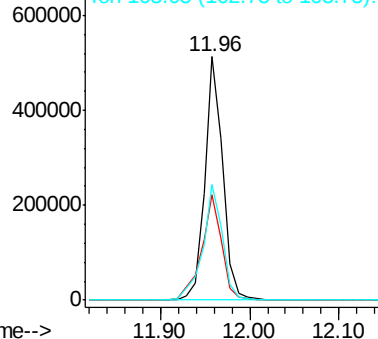


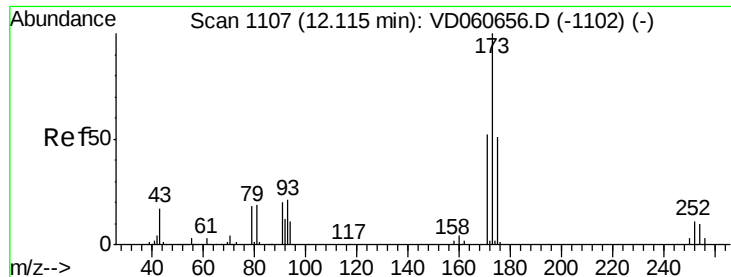
#70
Styrene
Concen: 20.656 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion:104 Resp: 725187
Ion Ratio Lower Upper
104 100
78 43.3 31.4 47.2
103 47.3 37.5 56.3



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





#71

Bromoform

Concen: 20.522 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

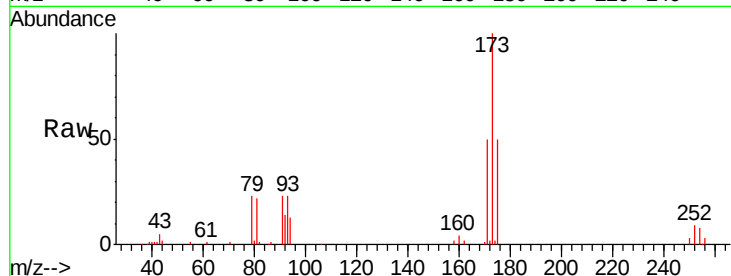
Tgt Ion:173 Resp: 159891

Ion Ratio Lower Upper

173 100

175 49.6 25.5 76.5

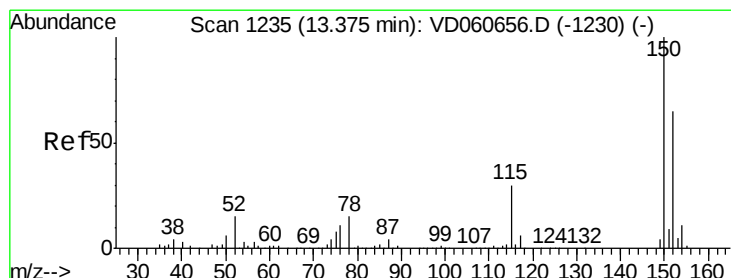
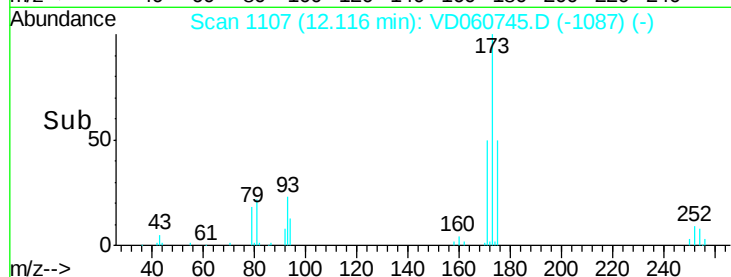
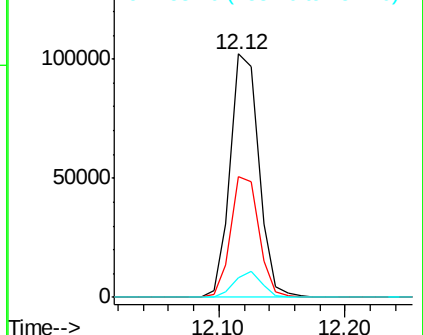
254 8.3 7.9 11.9



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: 13.38 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

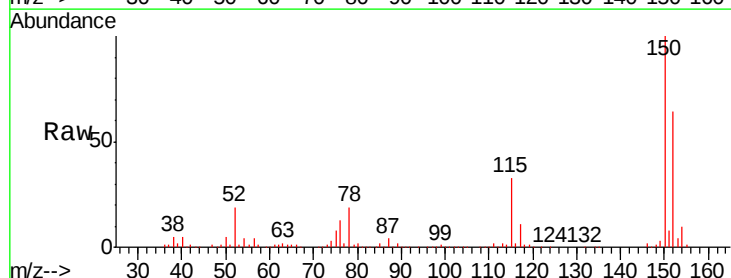
Tgt Ion:152 Resp: 874220

Ion Ratio Lower Upper

152 100

115 51.4 24.1 72.3

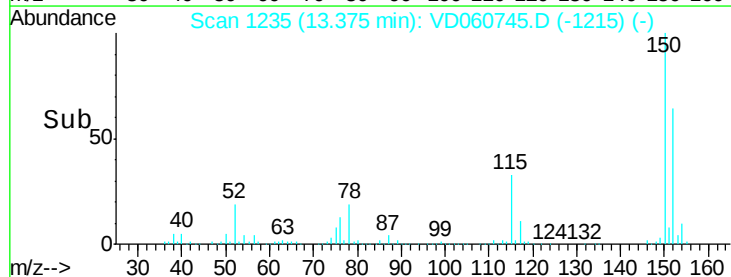
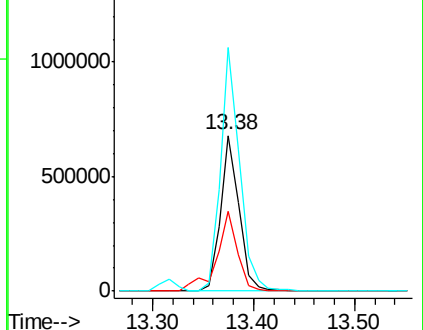
150 156.7 0.0 315.0

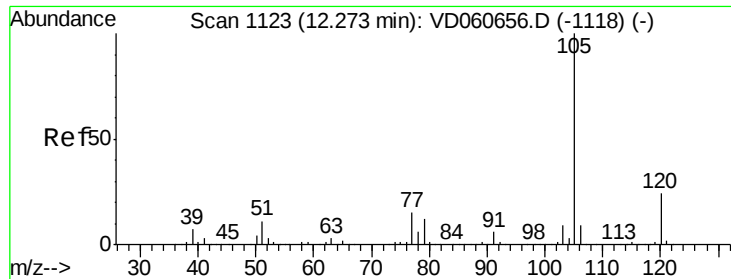


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.543 ug/l

RT: 12.28 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

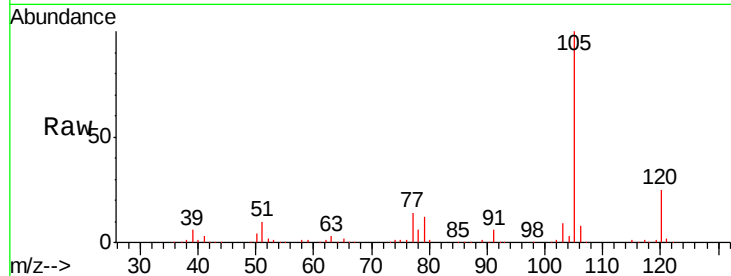
VD1228SBS01

Tgt Ion:105 Resp: 1278678

Ion Ratio Lower Upper

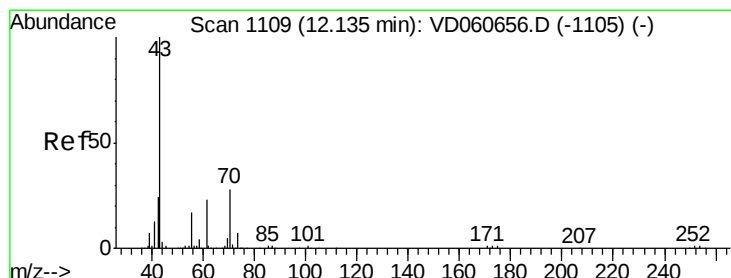
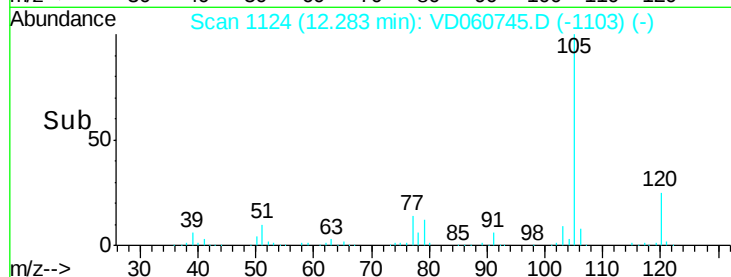
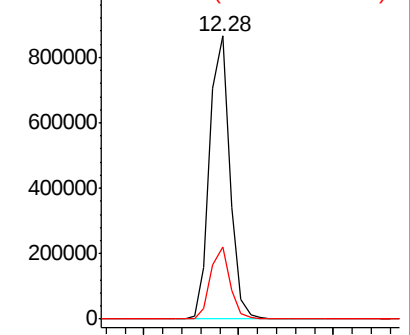
105 100

120 25.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.792 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Tgt Ion: 43 Resp: 305440

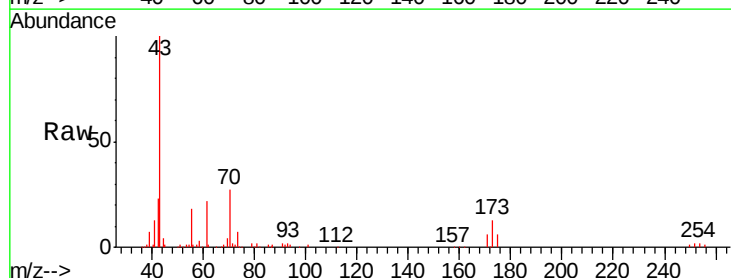
Ion Ratio Lower Upper

43 100

70 27.4 22.2 33.2

55 17.8 13.8 20.8

61 22.0 18.2 27.2

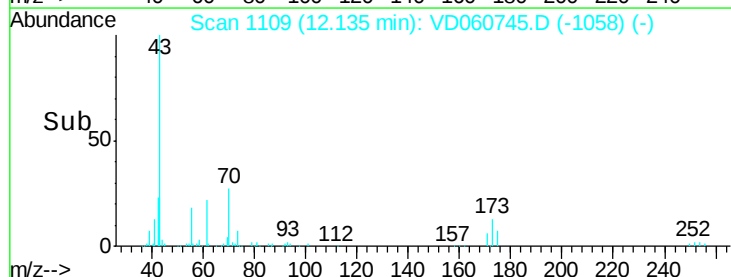
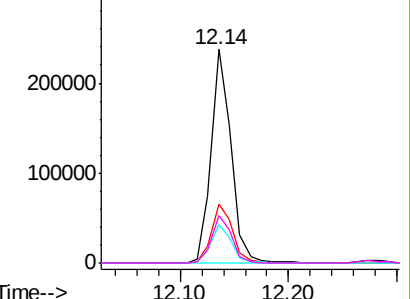


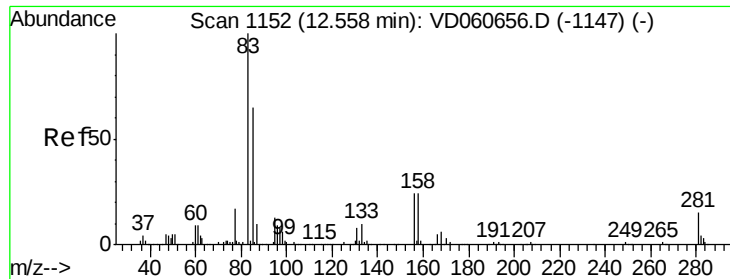
Abundance Ion 42.95 (42.65 to 43.65): V

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

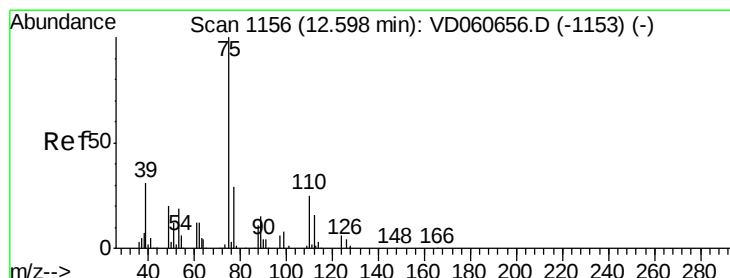
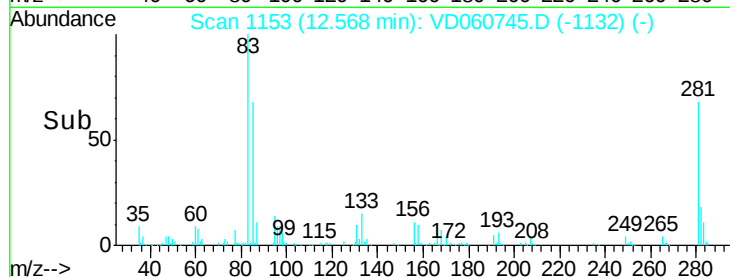
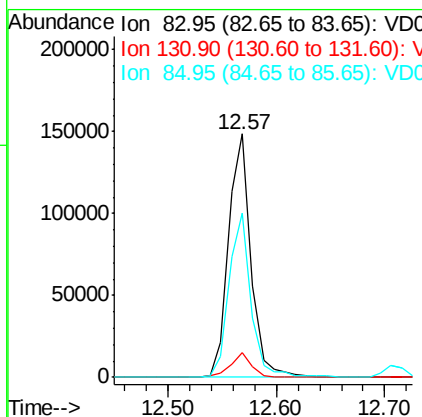
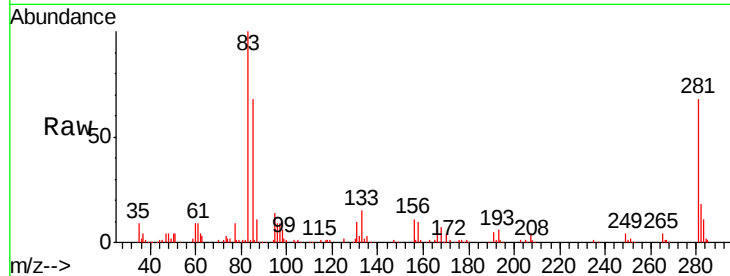




#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.177 ug/l
 RT: 12.57 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

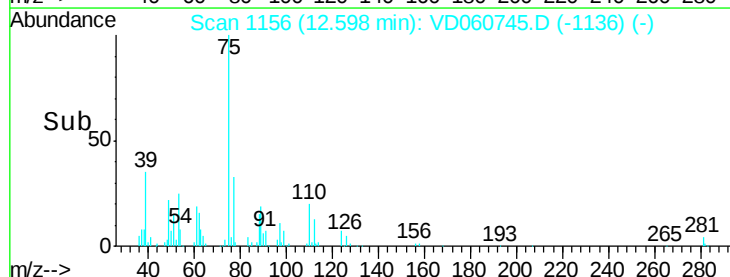
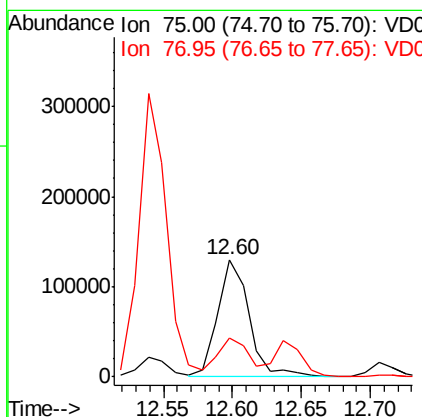
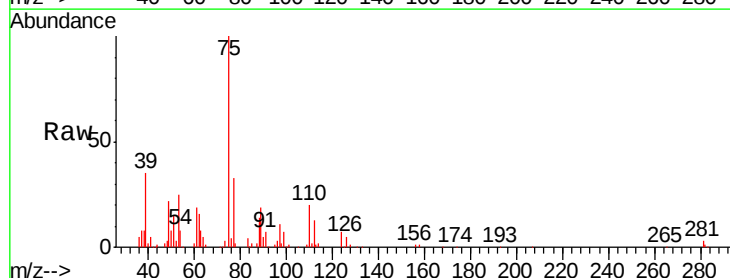
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

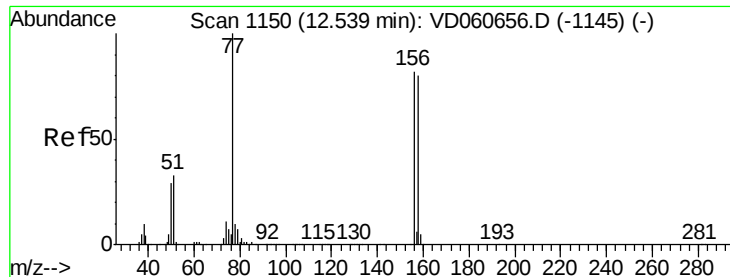
Tgt Ion: 83 Resp: 213658
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.2 12.4
 85 67.7 32.6 97.7



#76
 1,2,3-Trichloropropane
 Concen: 20.684 ug/l
 RT: 12.60 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 75 Resp: 205867
 Ion Ratio Lower Upper
 75 100
 77 32.9 16.7 50.0





#77

Bromobenzene

Concen: 20.813 ug/l

RT: 12.55 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

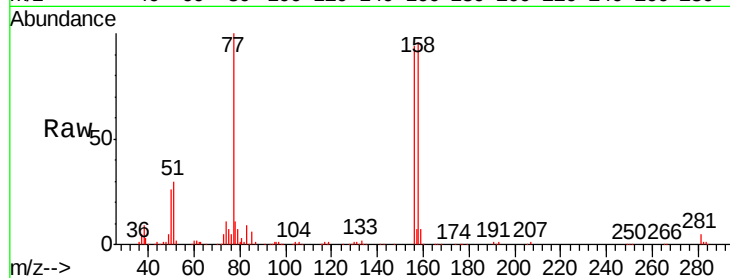
Tgt Ion:156 Resp: 342016

Ion Ratio Lower Upper

156 100

77 106.3 61.3 183.9

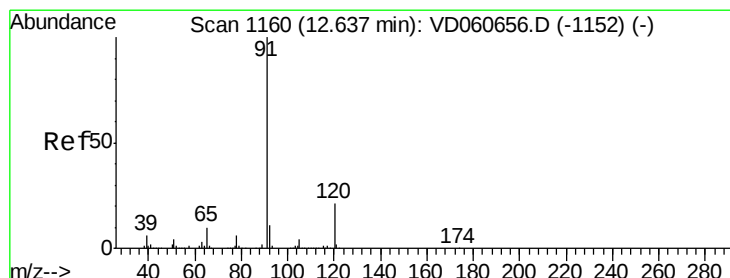
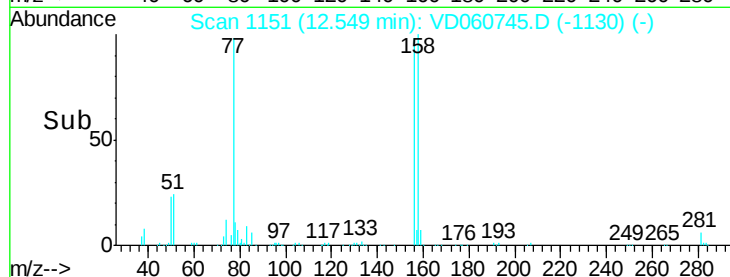
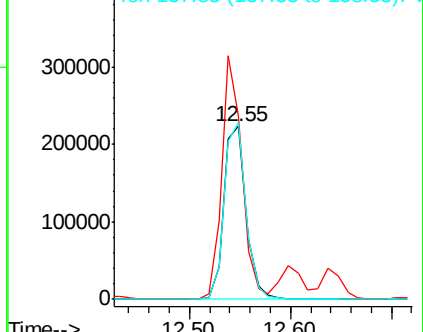
158 102.4 48.9 146.6



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: 19.712 ug/l

RT: 12.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD060745.D

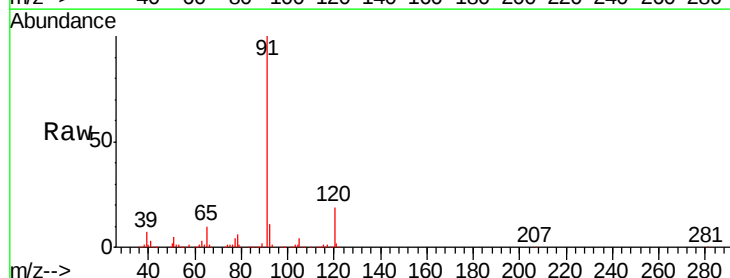
Acq: 28 Dec 2018 14:31

Tgt Ion: 91 Resp: 1568576

Ion Ratio Lower Upper

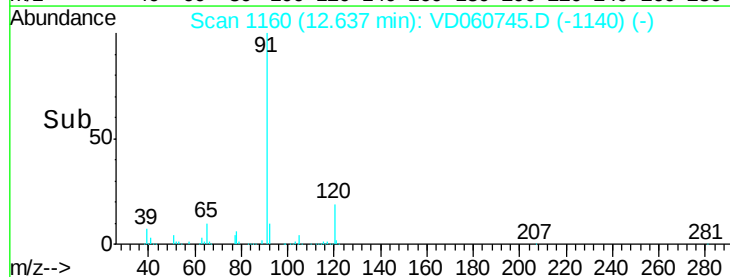
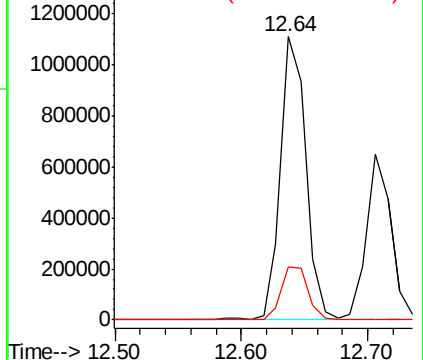
91 100

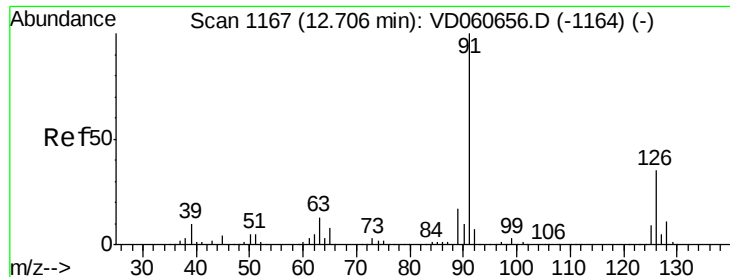
120 18.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

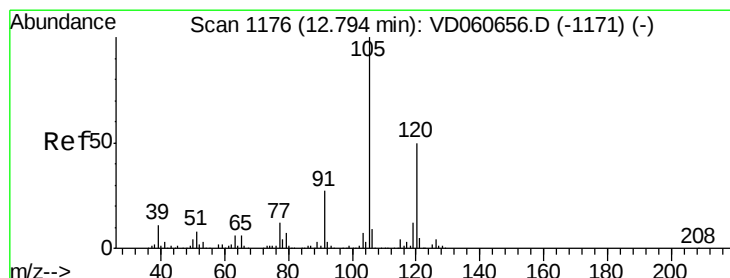
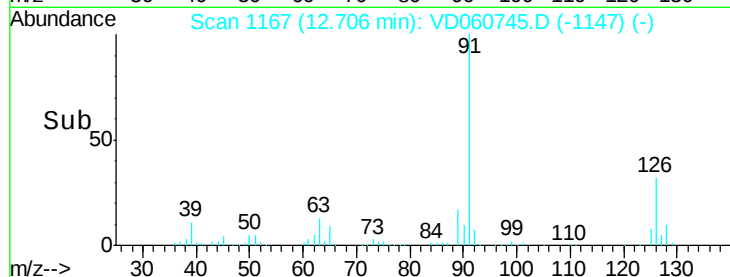
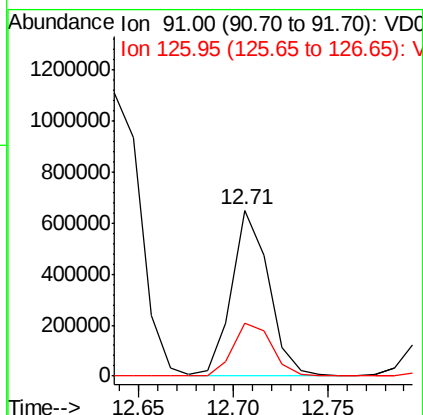
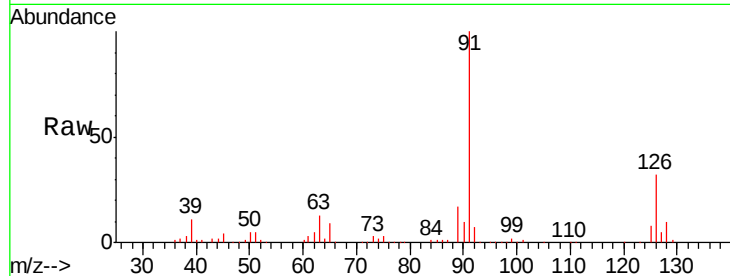




#79
 2-Chlorotoluene
 Concen: 20.593 ug/l
 RT: 12.71 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

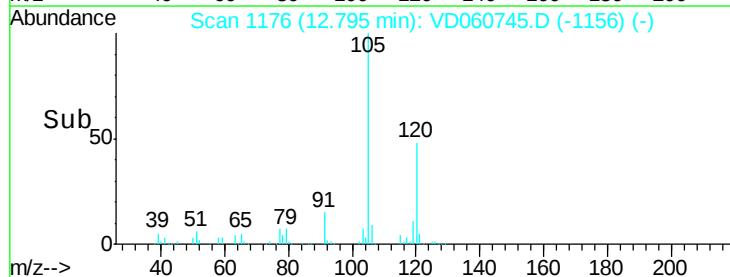
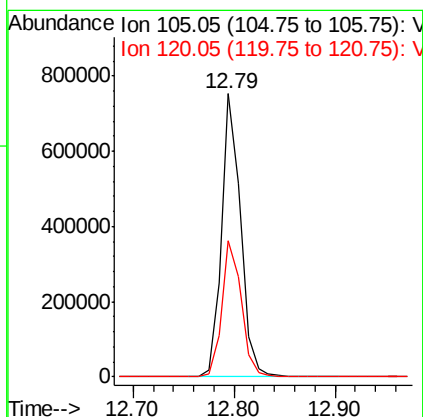
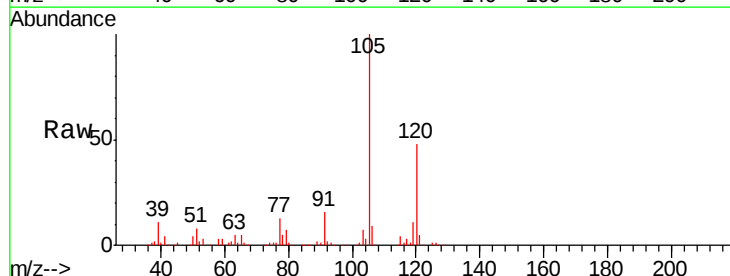
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

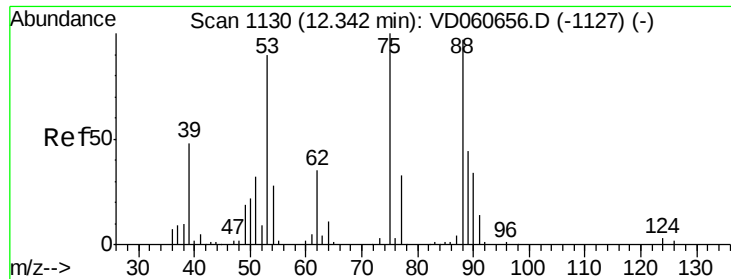
Tgt Ion: 91 Resp: 877677
 Ion Ratio Lower Upper
 91 100
 126 31.6 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.564 ug/l
 RT: 12.79 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 105 Resp: 988384
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.673 ug/l

RT: 12.34 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060745.D

Acq: 28 Dec 2018 14:31

Instrument :

MSVOA_D

ClientSampleId :

VD1228SBS01

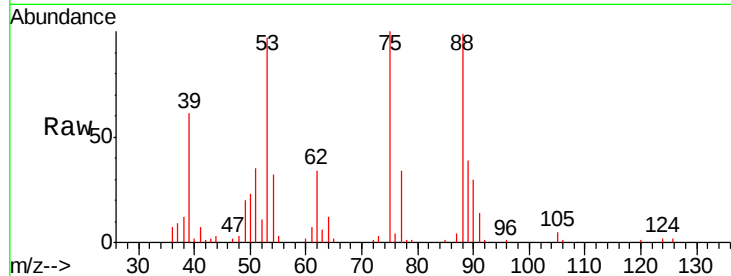
Tgt Ion: 75 Resp: 56855

Ion Ratio Lower Upper

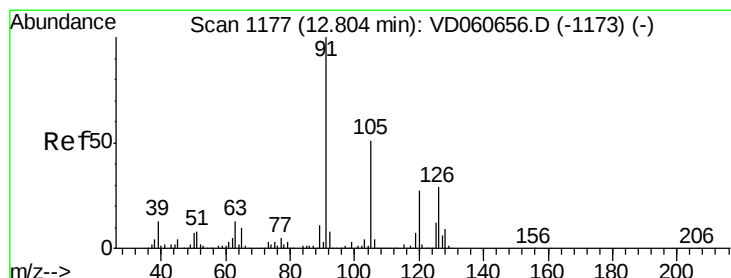
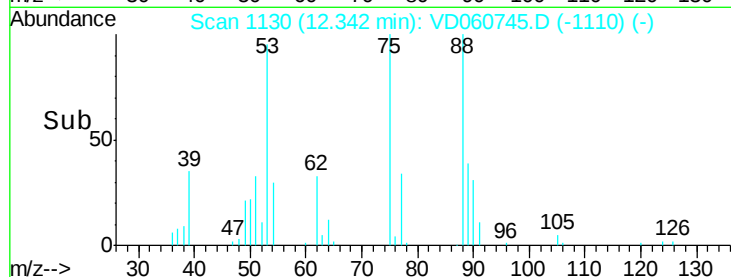
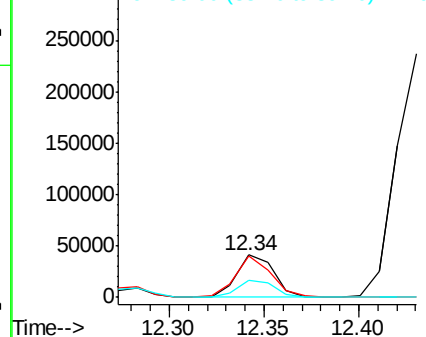
75 100

53 97.5 72.1 108.1

89 39.1 35.1 52.7



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



#82

4-Chlorotoluene

Concen: 20.963 ug/l

RT: 12.81 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VD060745.D

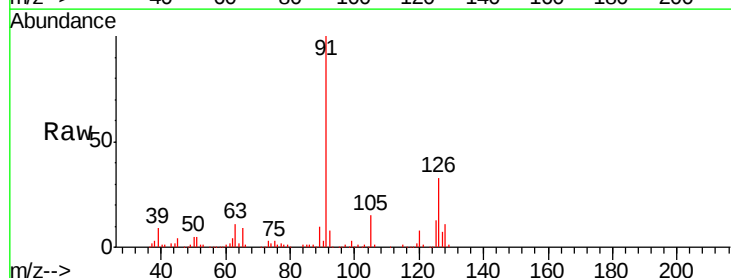
Acq: 28 Dec 2018 14:31

Tgt Ion: 91 Resp: 1012686

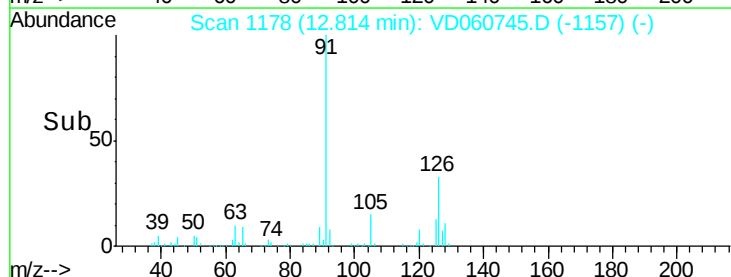
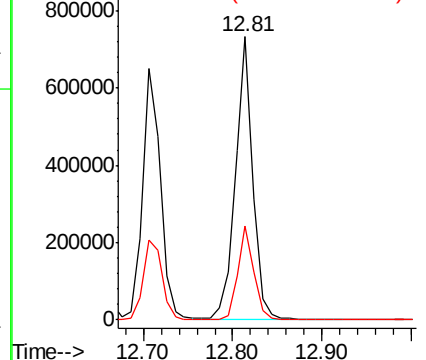
Ion Ratio Lower Upper

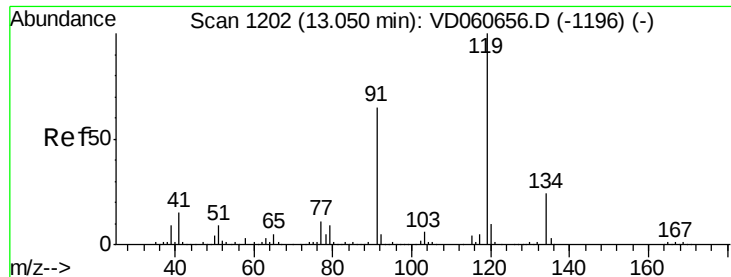
91 100

126 33.0 14.6 43.8



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

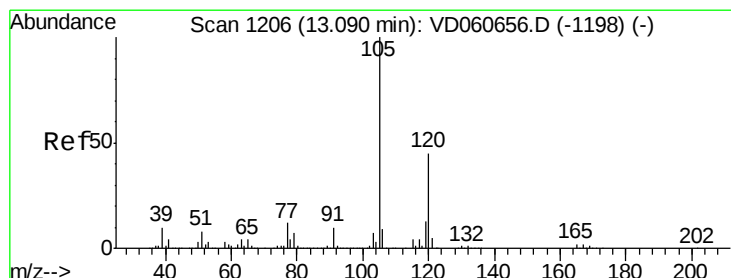
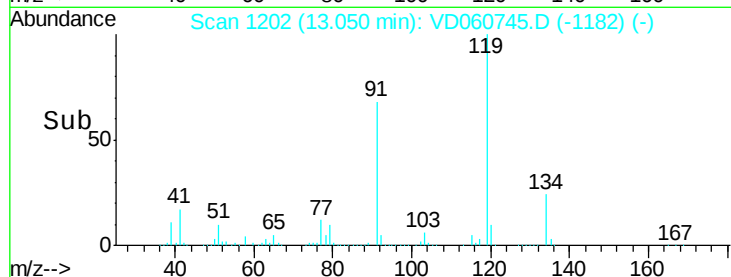
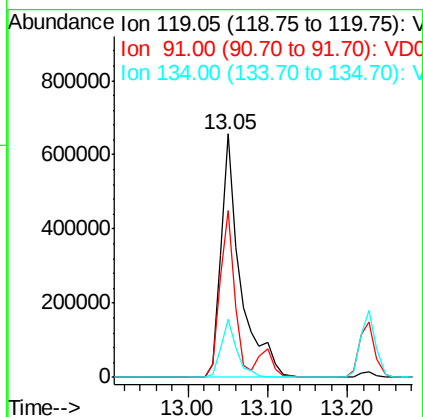
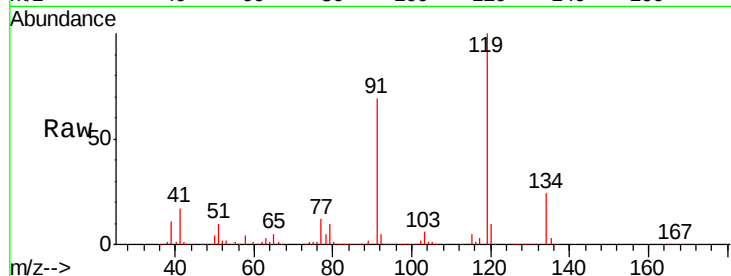




#83
 tert-Butylbenzene
 Concen: 20.569 ug/l
 RT: 13.05 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

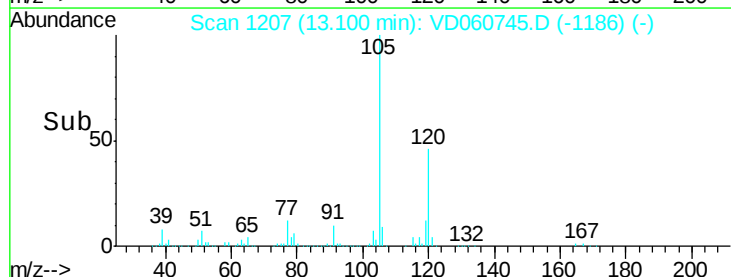
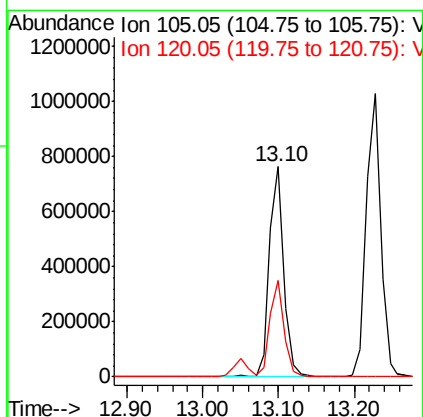
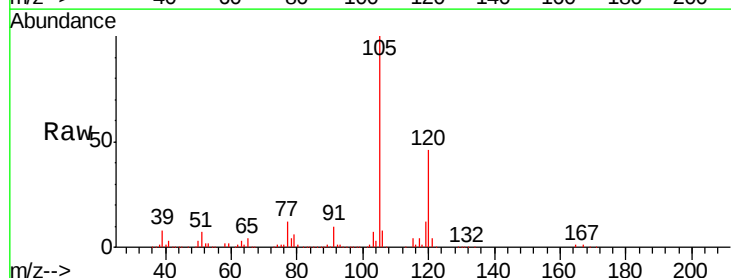
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

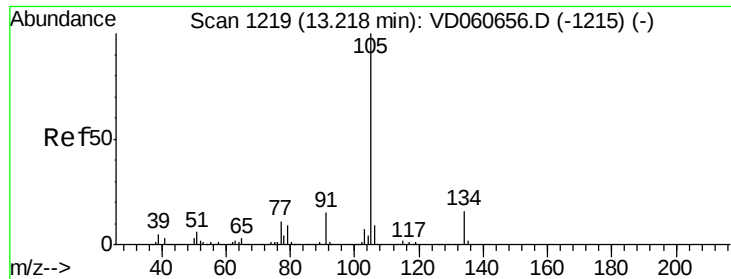
Tgt Ion:119 Resp: 1125100
 Ion Ratio Lower Upper
 119 100
 91 68.6 32.5 97.4
 134 24.1 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.428 ug/l
 RT: 13.10 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion:105 Resp: 1011222
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.4 67.0

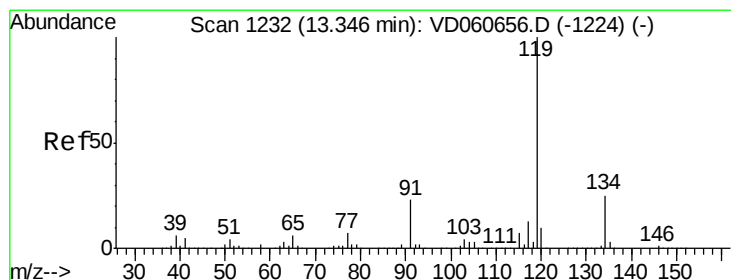
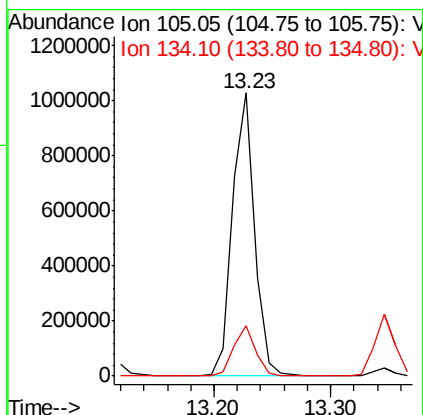
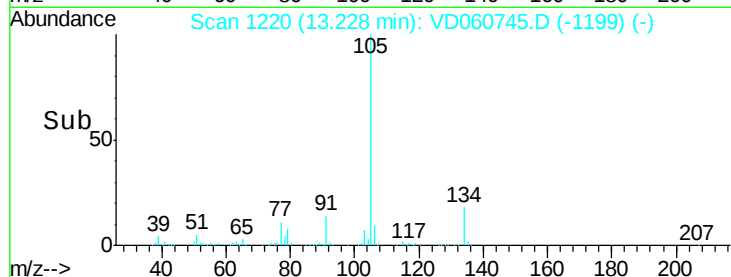
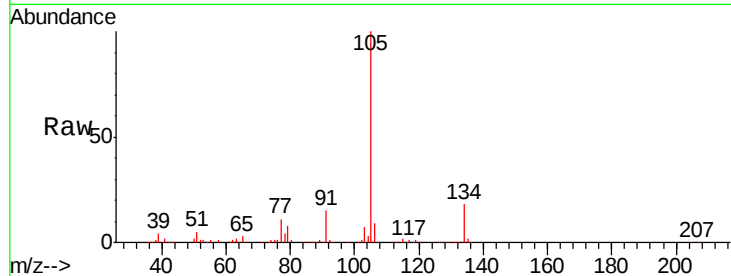




#85
 sec-Butylbenzene
 Concen: 20.118 ug/l
 RT: 13.23 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

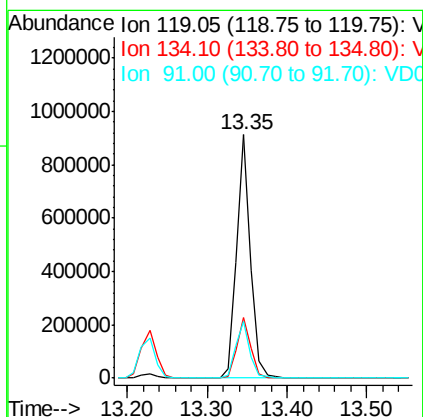
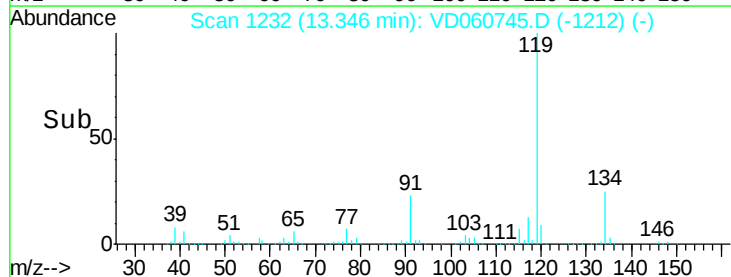
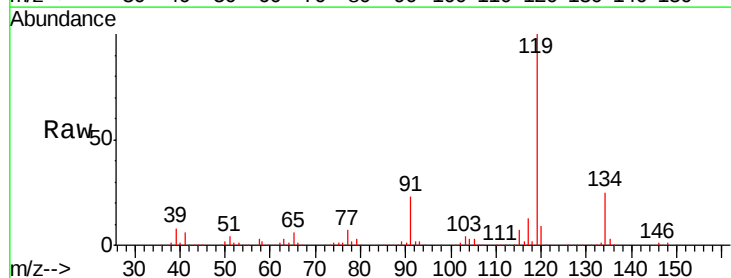
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

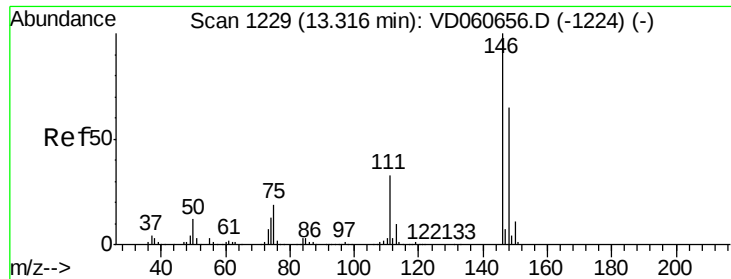
Tgt Ion:105 Resp: 1342033
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.596 ug/l
 RT: 13.35 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion:119 Resp: 1109022
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.5 37.5
 91 23.1 11.4 34.2

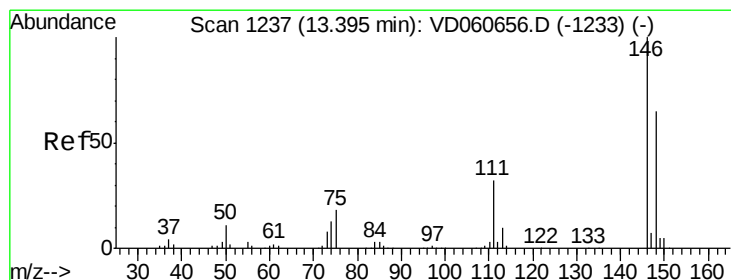
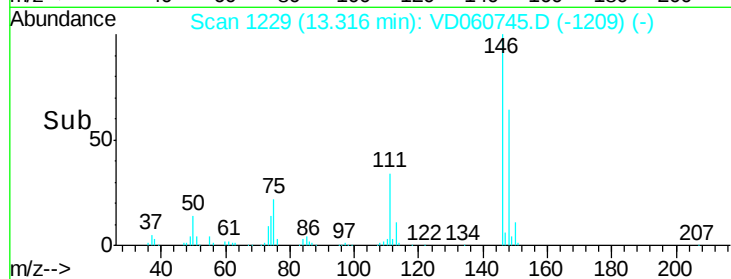
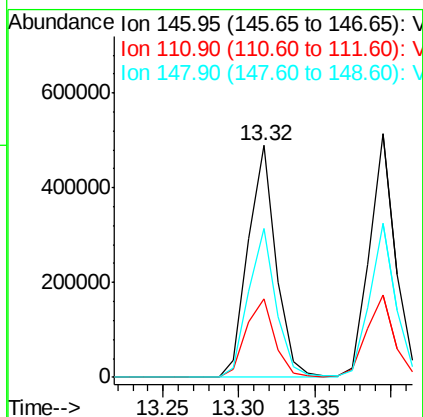
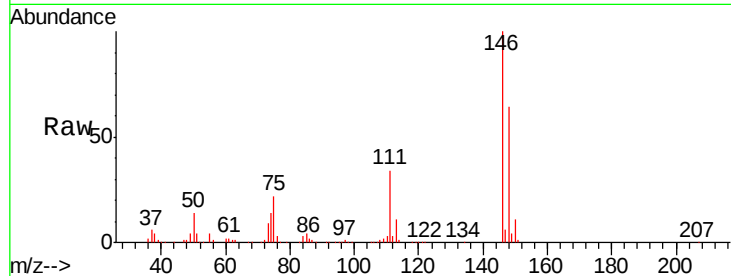




#87
 1,3-Dichlorobenzene
 Concen: 20.932 ug/l
 RT: 13.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

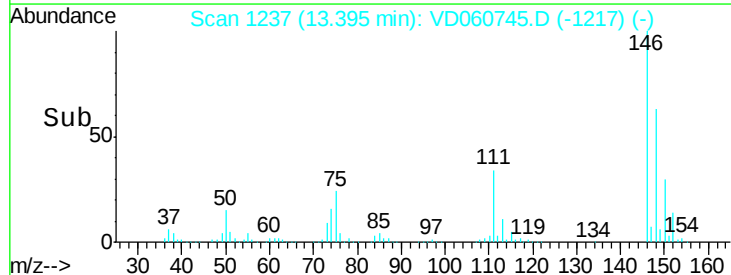
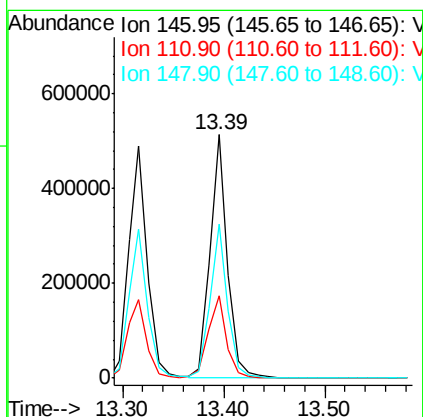
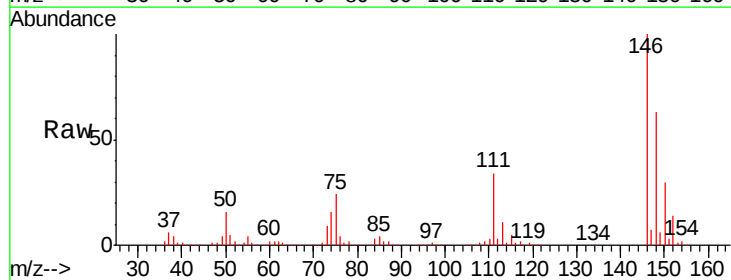
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

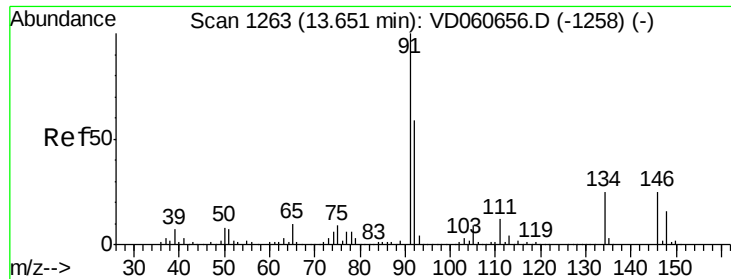
Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	16.6	49.8
148	64.1	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 20.823 ug/l
 RT: 13.39 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.8	16.2	48.5
148	63.1	32.7	98.1

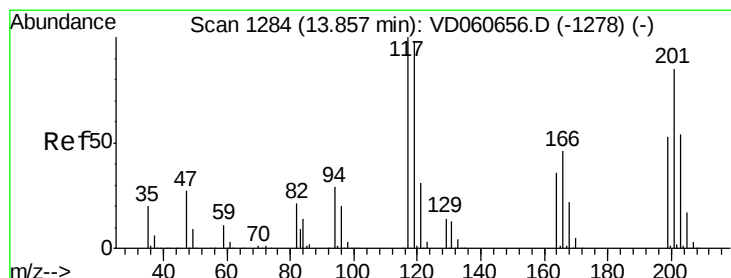
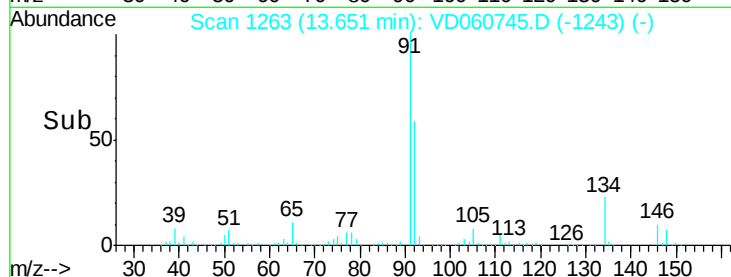
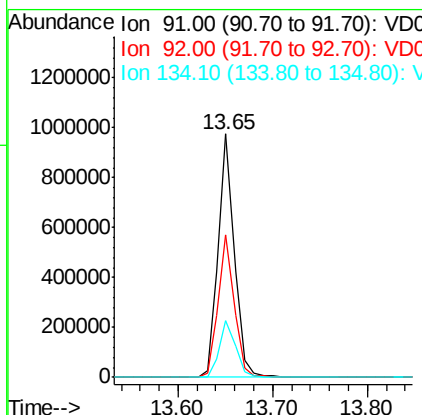
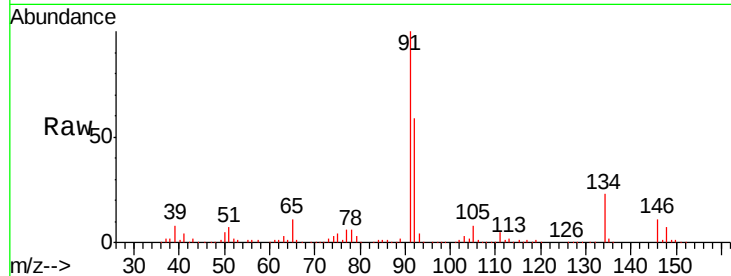




#89
n-Butylbenzene
Concen: 20.961 ug/l
RT: 13.65 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

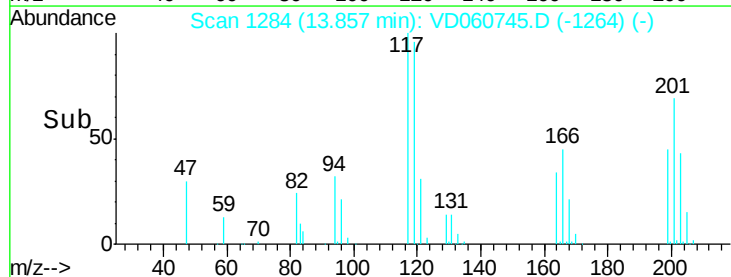
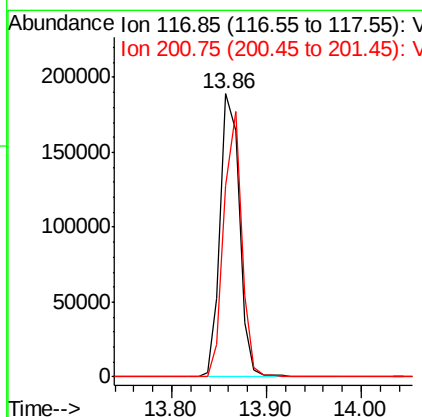
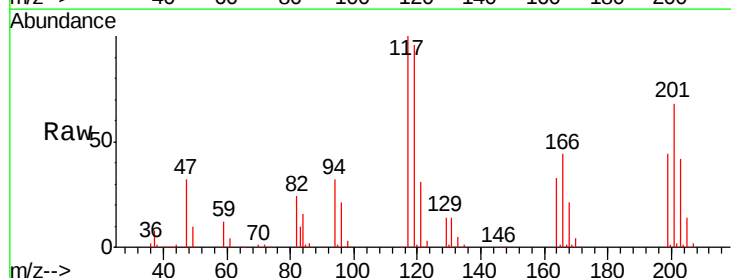
Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

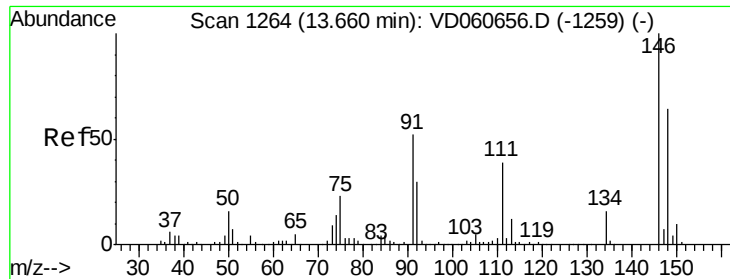
Tgt Ion: 91 Resp: 1153433
Ion Ratio Lower Upper
91 100
92 58.7 29.7 89.1
134 23.2 12.7 38.1



#90
Hexachloroethane
Concen: 20.289 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion: 117 Resp: 268393
Ion Ratio Lower Upper
117 100
201 67.8 42.6 127.8

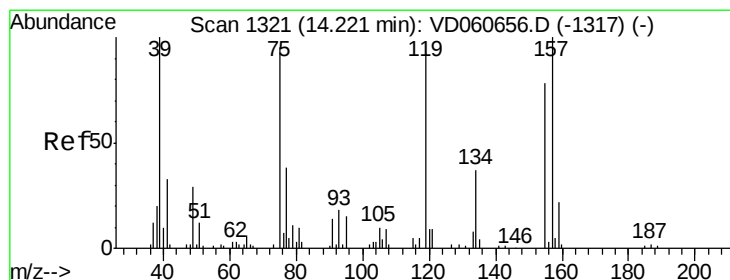
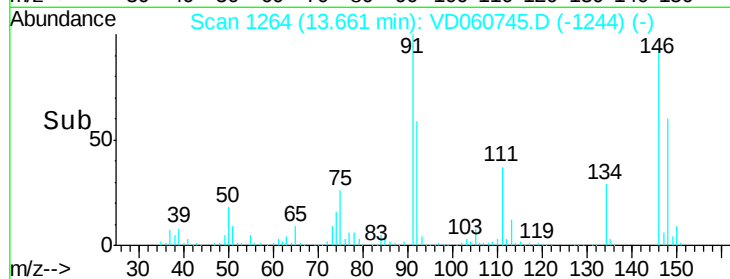
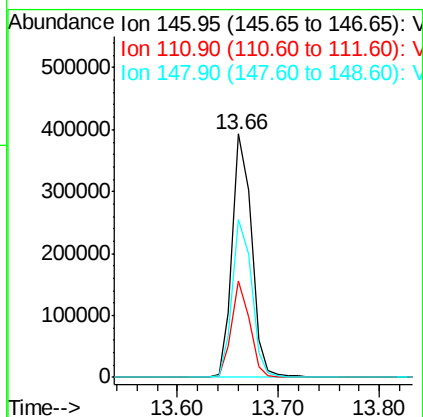
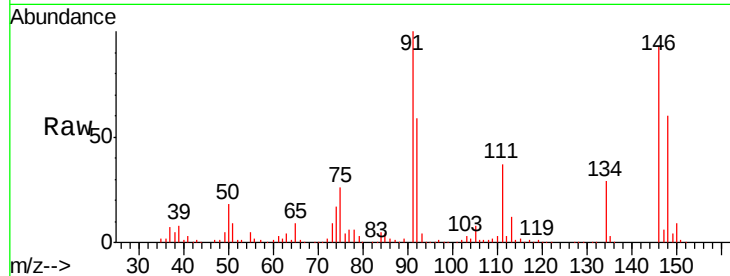




#91
 1,2-Dichlorobenzene
 Concen: 21.662 ug/l
 RT: 13.66 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

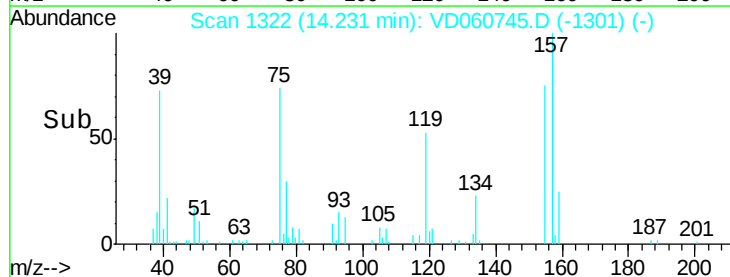
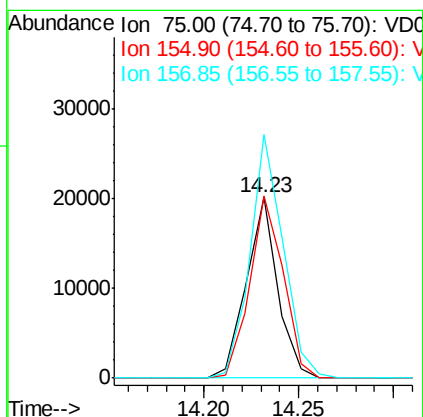
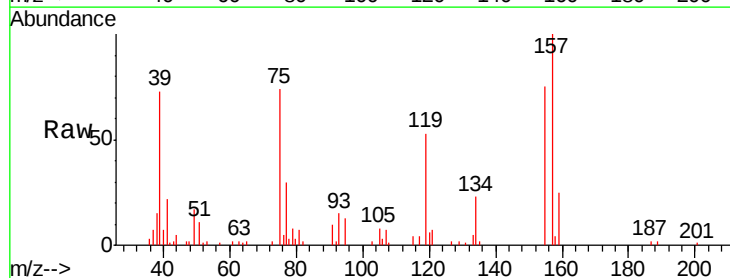
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

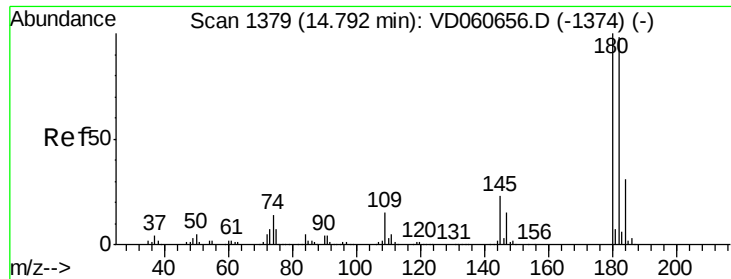
Tgt Ion: 146 Resp: 524193
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.3 57.9
 148 64.6 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.478 ug/l
 RT: 14.23 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion: 75 Resp: 23086
 Ion Ratio Lower Upper
 75 100
 155 100.9 41.1 123.4
 157 134.9 52.5 157.6

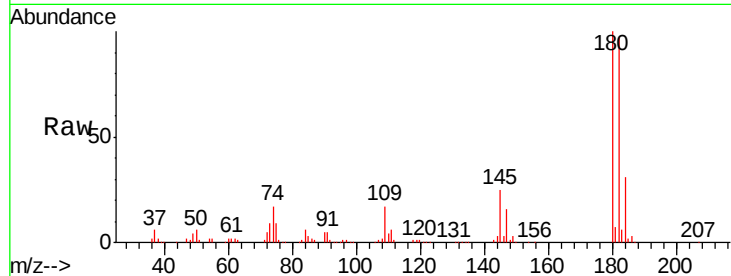




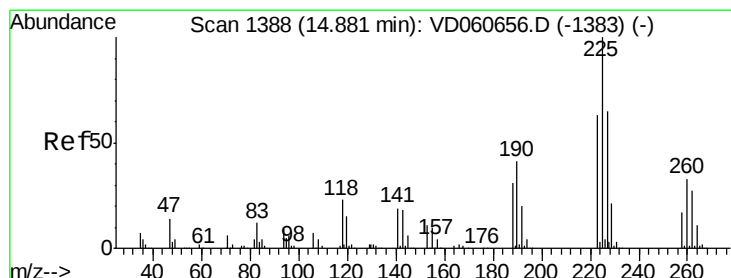
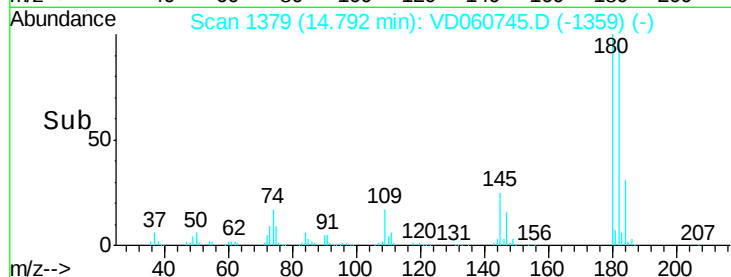
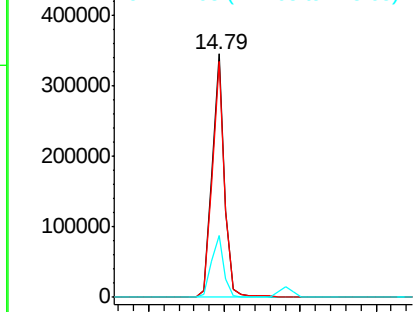
#93
 1,2,4-Trichlorobenzene
 Concen: 20.868 ug/l
 RT: 14.79 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1228SBS01

Tgt Ion:180 Resp: 401828
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.8 146.4
 145 25.5 11.8 35.3

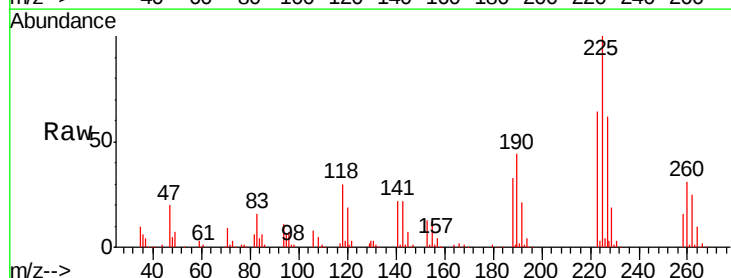


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

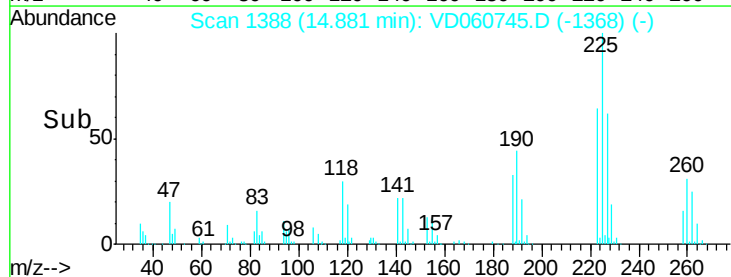
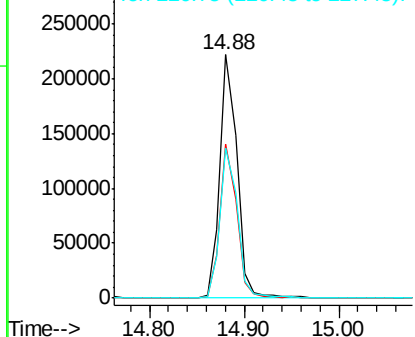


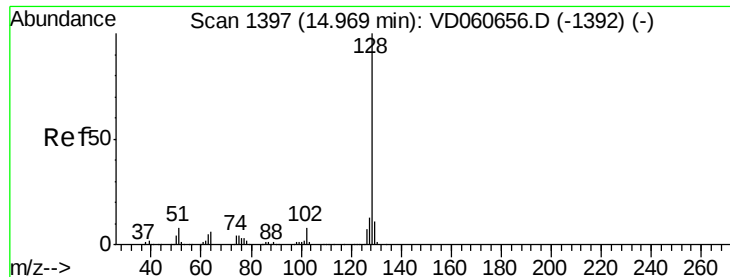
#94
 Hexachlorobutadiene
 Concen: 19.774 ug/l
 RT: 14.88 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD060745.D
 Acq: 28 Dec 2018 14:31

Tgt Ion:225 Resp: 281443
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.8
 227 61.9 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

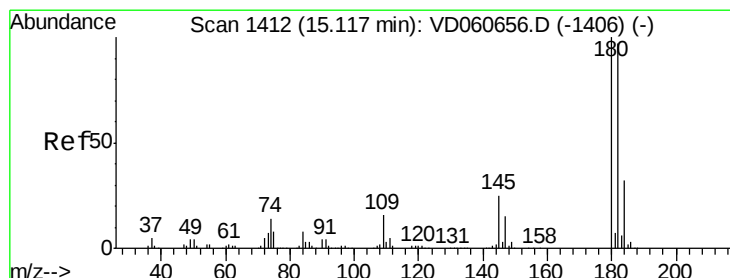
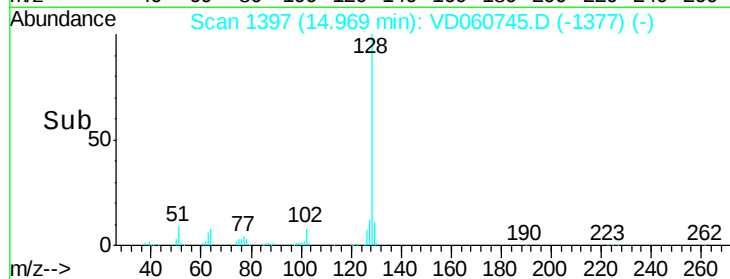
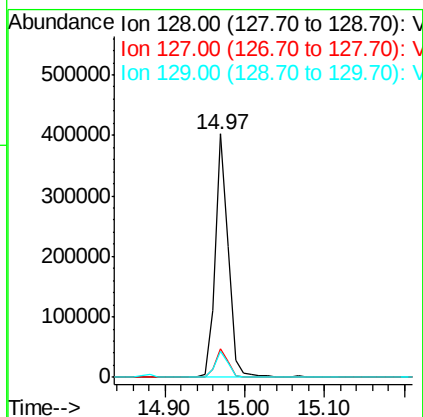
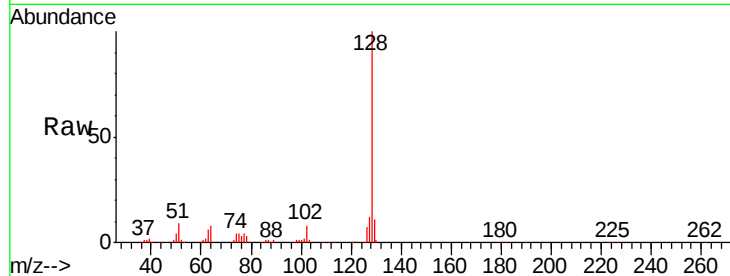




#95
Naphthalene
Concen: 20.410 ug/l
RT: 14.97 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Instrument :
MSVOA_D
ClientSampleId :
VD1228SBS01

Tgt Ion:128 Resp: 467093
Ion Ratio Lower Upper
128 100
127 11.8 10.1 15.1
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.891 ug/l
RT: 15.12 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD060745.D
Acq: 28 Dec 2018 14:31

Tgt Ion:180 Resp: 314465
Ion Ratio Lower Upper
180 100
182 97.2 48.6 145.9
145 26.2 12.6 37.8

