

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
 Data File : VD046782.D
 Acq On : 18 Sep 2015 13:41
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 18 14:02:25 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:48:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	221269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	279295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	261413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.93	152	135480	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.72	65	216792	91.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	183.12%	
35) Dibromofluoromethane	6.22	113	219977	98.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.54%	
50) Toluene-d8	9.63	98	729684	104.21	ug/l	0.01
Spiked Amount	50.000		Recovery	=	208.42%	
62) 4-Bromofluorobenzene	12.85	95	279230	104.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.42	85	194827	79.62	ug/l	99
3) Chlorodifluoromethane	1.44	51	161822	75.67	ug/l	95
4) Chloromethane	1.58	50	118140	82.26	ug/l	98
5) Vinyl Chloride	1.68	62	111879	83.65	ug/l	98
6) Bromomethane	1.97	94	103709	83.72	ug/l	96
7) Chloroethane	2.08	64	69188	86.08	ug/l	99
8) Trichlorofluoromethane	2.33	101	325621	88.97	ug/l	95
9) Diethyl Ether	2.63	74	65126	94.53	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	2.90	101	208696	89.04	ug/l	97
11) Methyl Iodide	3.06	142	272911	106.02	ug/l	98
12) Tert butyl alcohol	3.71	59	30254	267.25	ug/l	96
13) 1,1-Dichloroethene	2.88	96	176200	93.94	ug/l	97
14) Acrolein	2.78	56	61049	483.47	ug/l	88
15) Allyl chloride	3.33	41	362353	93.21	ug/l	88
16) Acrylonitrile	3.84	53	133844	477.00	ug/l	96
17) Acetone	2.95	43	173303	425.32	ug/l	97
18) Carbon Disulfide	3.13	76	613833	85.58	ug/l	99
19) Methyl Acetate	3.34	43	218075	91.31	ug/l	96
20) Methyl tert-butyl Ether	3.90	73	285564	100.09	ug/l	96
21) Methylene Chloride	3.51	84	189119	85.45	ug/l	92
22) trans-1,2-Dichloroethene	3.89	96	190426	89.48	ug/l	97
23) Diisopropyl ether	4.66	45	614628	95.15	ug/l	95
24) Vinyl Acetate	4.60	43	928120	717.64	ug/l	97
25) 1,1-Dichloroethane	4.56	63	349370	89.90	ug/l	100
26) 2-Butanone	5.46	43	211643	451.46	ug/l	95
27) 2,2-Dichloropropane	5.43	77	356566	92.19	ug/l	100
28) cis-1,2-Dichloroethene	5.43	96	205062	92.76	ug/l	94
29) Bromochloromethane	5.80	49	133152	85.02	ug/l	92
30) Chloroform	5.97	83	417282	90.53	ug/l	100
31) Cyclohexane	6.28	56	322769	88.82	ug/l	93
32) 1,1,1-Trichloroethane	6.19	97	373826	93.26	ug/l	98
36) 1,1-Dichloropropene	6.44	75	315287	94.58	ug/l	99
37) Ethyl Acetate	5.55	43	99302	86.46	ug/l	98
38) Carbon Tetrachloride	6.42	117	322754	95.84	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	349053	103.75	ug/l	94
40) Benzene	6.72	78	793091	91.71	ug/l	99
41) Methacrylonitrile	5.77	41	66297	106.77	ug/l #	88
42) 1,2-Dichloroethane	6.84	62	250937	95.79	ug/l	97
43) Isopropyl Acetate	8.42	43	153102	108.15	ug/l #	97
44) Trichloroethene	7.76	130	209507	97.12	ug/l	96
45) 1,2-Dichloropropane	8.15	63	201685	95.18	ug/l	100
46) Dibromomethane	8.28	93	113211	96.71	ug/l	95
47) Bromodichloromethane	8.57	83	301210	97.56	ug/l #	99
48) Methyl methacrylate	8.08	41	222633	101.04	ug/l	99
49) 1,4-Dioxane	8.30	88	16236	2133.03	ug/l #	87
51) 4-Methyl-2-Pentanone	9.49	43	544376	539.45	ug/l	97
52) Toluene	9.73	92	522020	100.09	ug/l	100
53) t-1,3-Dichloropropene	10.13	75	249986	110.72	ug/l	94
54) cis-1,3-Dichloropropene	9.24	75	311069	105.35	ug/l	95
55) 1,1,2-Trichloroethane	10.41	97	128884	99.33	ug/l	98
56) Ethyl methacrylate	10.25	69	141459	120.57	ug/l	95
57) 1,3-Dichloropropane	10.62	76	246471	100.79	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.04	63	350204	574.04	ug/l	97
59) 2-Hexanone	10.71	43	393147	546.69	ug/l	94
60) Dibromochloromethane	10.89	129	188770	105.41	ug/l	100
61) 1,2-Dibromoethane	11.02	107	131657	103.17	ug/l	97
64) Tetrachloroethene	10.48	164	209059	94.49	ug/l	96
65) Chlorobenzene	11.61	112	531896	94.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	194056	92.48	ug/l	99
67) Ethyl Benzene	11.74	91	1115575	98.04	ug/l	97
68) m/p-Xylenes	11.89	106	702331	195.50	ug/l	97
69) o-Xylene	12.29	106	331359	103.93	ug/l	96
70) Styrene	12.32	104	557563	102.02	ug/l	96
71) Bromoform	12.51	173	108448	101.09	ug/l	97
73) Isopropylbenzene	12.68	105	998718	102.41	ug/l	96
74) N-amyl acetate	12.51	43	232372	108.48	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.99	83	147896	96.33	ug/l	95
76) 1,2,3-Trichloropropane	13.04	75	165370	101.19	ug/l	98
77) Bromobenzene	12.98	156	240368	97.25	ug/l	92
78) n-propylbenzene	13.08	91	1370566	100.07	ug/l	98
79) 2-Chlorotoluene	13.17	91	744012	97.11	ug/l	98
80) 1,3,5-Trimethylbenzene	13.26	105	771242	99.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.75	75	45986	113.96	ug/l	97
82) 4-Chlorotoluene	13.28	91	873431	96.96	ug/l	95
83) tert-Butylbenzene	13.54	119	843957	123.17	ug/l	98
84) 1,2,4-Trimethylbenzene	13.59	105	761634	96.80	ug/l	98
85) sec-Butylbenzene	13.74	105	1033190	101.09	ug/l	96
86) p-Isopropyltoluene	13.88	119	804132	99.93	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	436959	95.11	ug/l	97
88) 1,4-Dichlorobenzene	13.95	146	419417	93.71	ug/l	97
89) n-Butylbenzene	14.22	91	924166	102.19	ug/l	98
90) Hexachloroethane	14.49	117	178144	93.40	ug/l	88
91) 1,2-Dichlorobenzene	14.24	146	359754	94.41	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.89	75	19899	94.31	ug/l	71

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Instrument :
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ClientSampleId :
VSTDICC100

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Quant Title : SW846 8260
QLast Update : Fri Sep 18 13:48:49 2015
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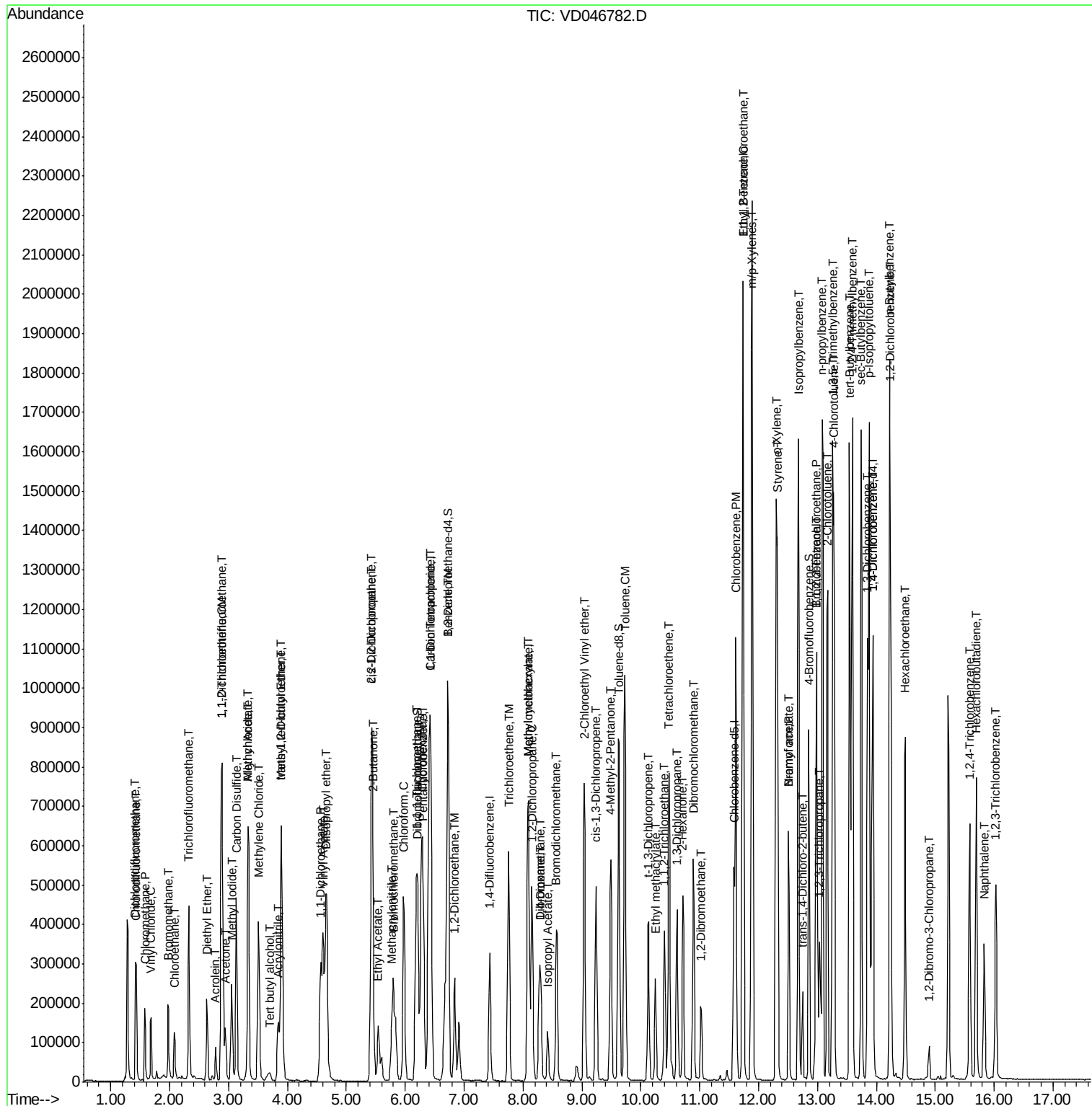
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	227262	102.37	ug/l	96
94) Hexachlorobutadiene	15.69	225	172379	96.33	ug/l	97
95) Naphthalene	15.83	128	297320	113.97	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	186857	102.10	ug/l	99

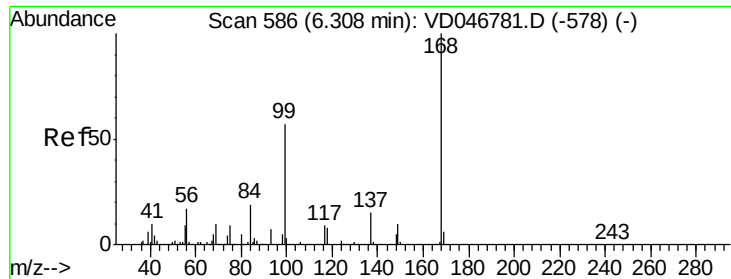
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
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Acq On : 18 Sep 2015 13:41
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Sample : VSTDICC100
Misc : 5.00µm/5mL/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Quant Time: Sep 18 14:02:25 2015
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

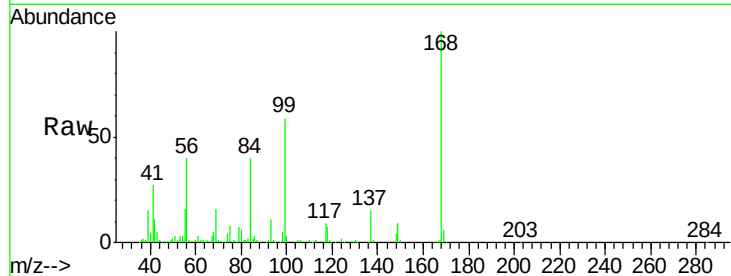
VSTDIC100

Tot Ion:168 Resp: 221269

Ion Ratio Lower Upper

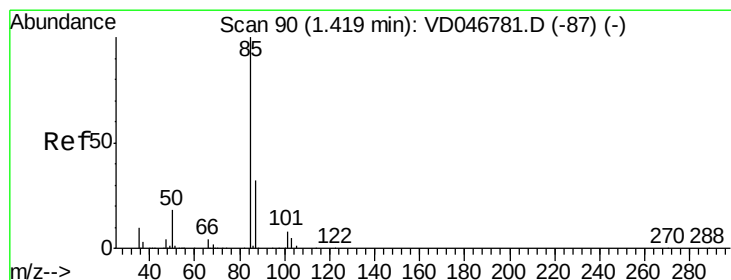
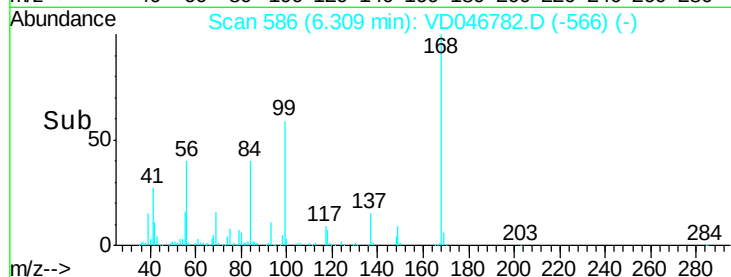
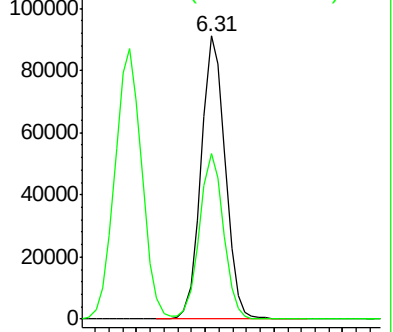
168 100

99 58.6 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 79.62 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VD046782.D

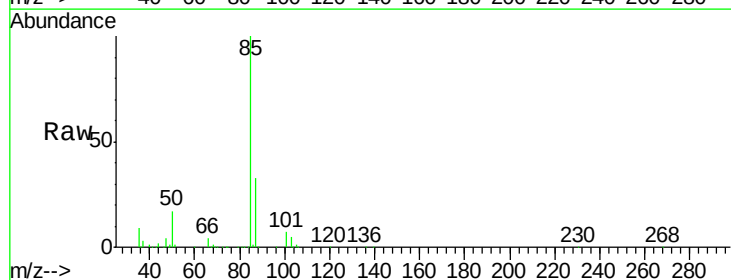
Acq: 18 Sep 2015 13:41

Tgt Ion: 85 Resp: 194827

Ion Ratio Lower Upper

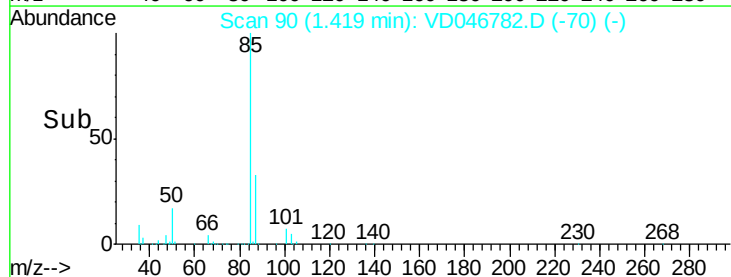
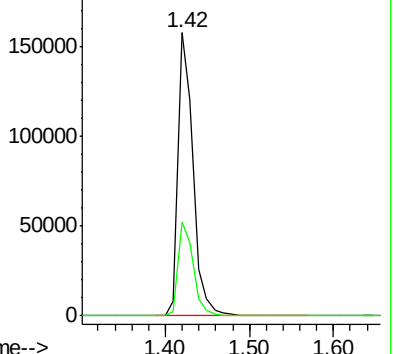
85 100

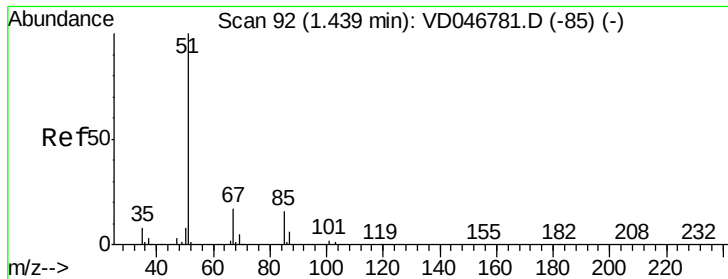
87 33.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 75.67 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

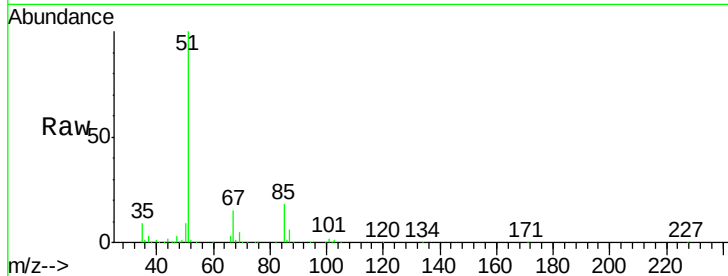
VSTDIC100

Tot Ion: 51 Resp: 161822

Ion Ratio Lower Upper

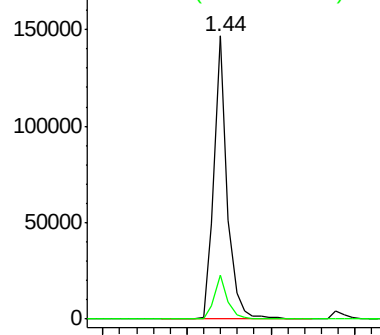
51 100

67 15.4 10.9 16.3

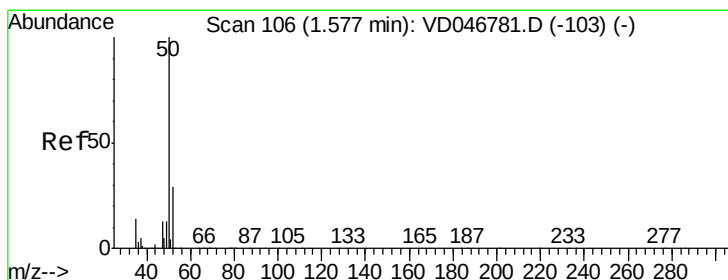
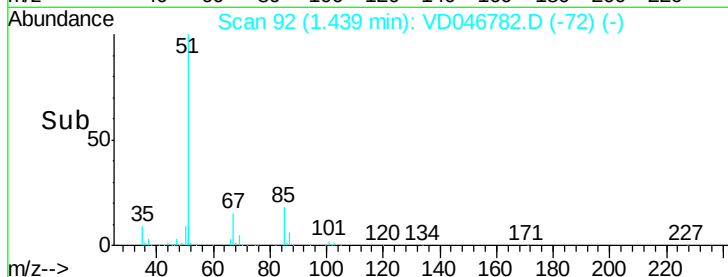


Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



Time--> 1.30 1.40 1.50 1.60



#4

Chloromethane

Concen: 82.26 ug/l

RT: 1.58 min Scan# 106

Delta R.T. 0.00 min

Lab File: VD046782.D

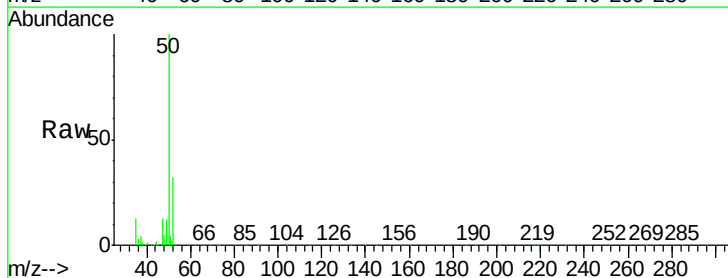
Acq: 18 Sep 2015 13:41

Tgt Ion: 50 Resp: 118140

Ion Ratio Lower Upper

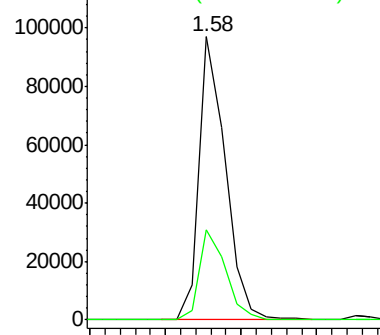
50 100

52 31.8 26.2 39.2

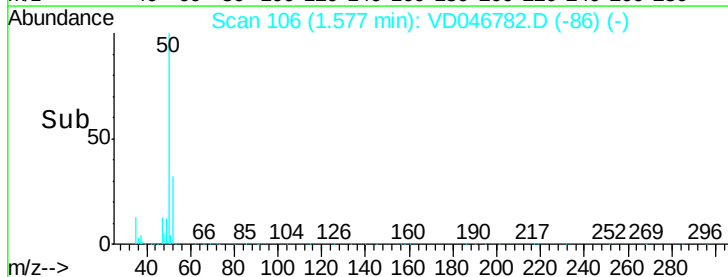


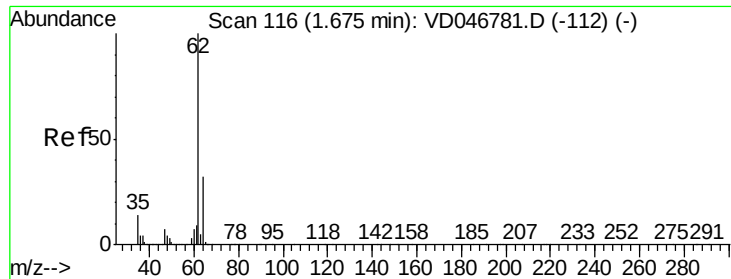
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time--> 1.50 1.55 1.60 1.65





#5

Vinyl Chloride

Concen: 83.65 ug/l

RT: 1.68 min Scan# 116

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

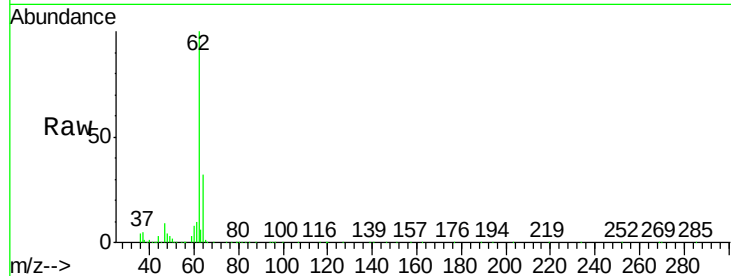
VSTDIC100

Tot Ion: 62 Resp: 111879

Ion Ratio Lower Upper

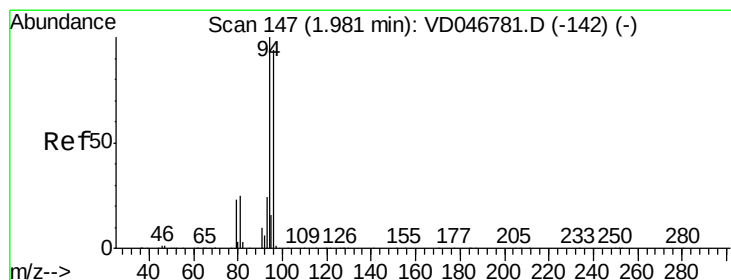
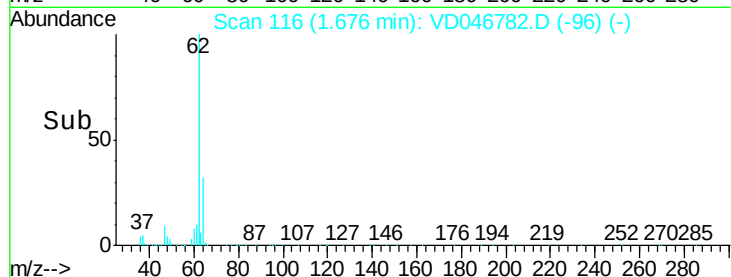
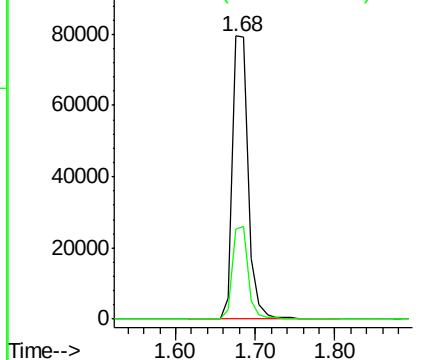
62 100

64 31.7 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 83.72 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD046782.D

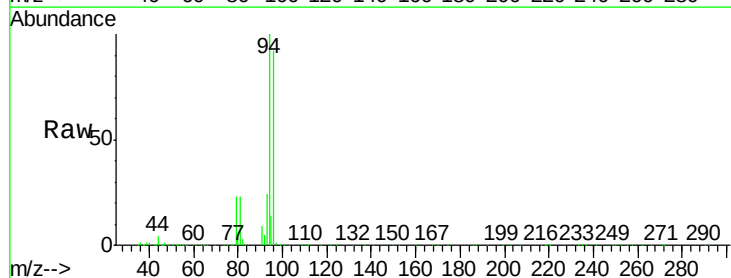
Acq: 18 Sep 2015 13:41

Tgt Ion: 94 Resp: 103709

Ion Ratio Lower Upper

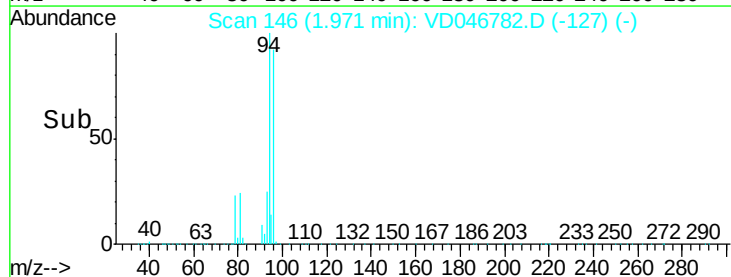
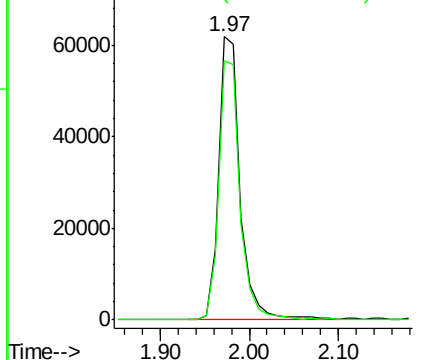
94 100

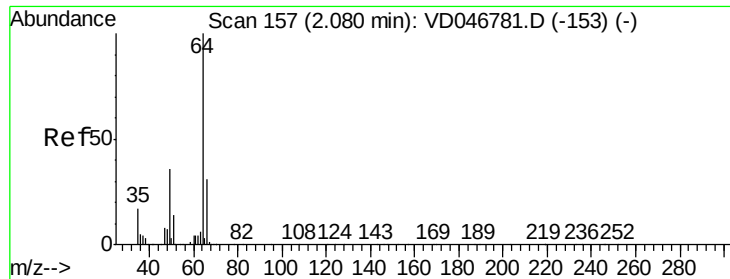
96 91.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 86.08 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

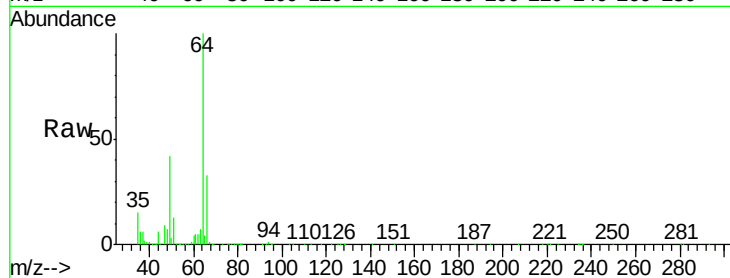
VSTDIC100

Tot Ion: 64 Resp: 69188

Ion Ratio Lower Upper

64 100

66 32.9 26.6 39.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.08

50000

40000

30000

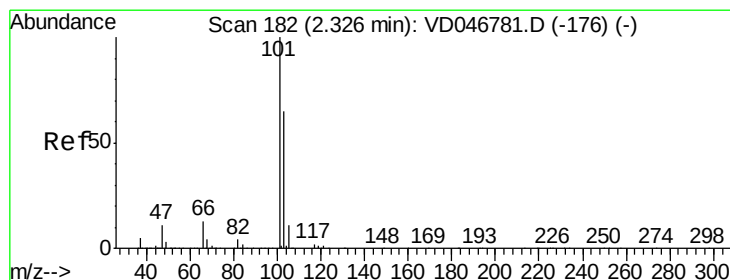
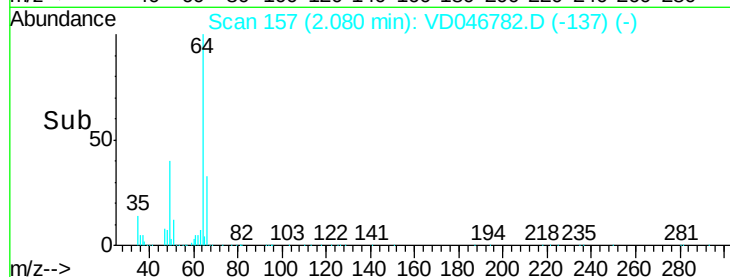
20000

10000

0

Time-->

2.00 2.10 2.20



#8

Trichlorofluoromethane

Concen: 88.97 ug/l

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD046782.D

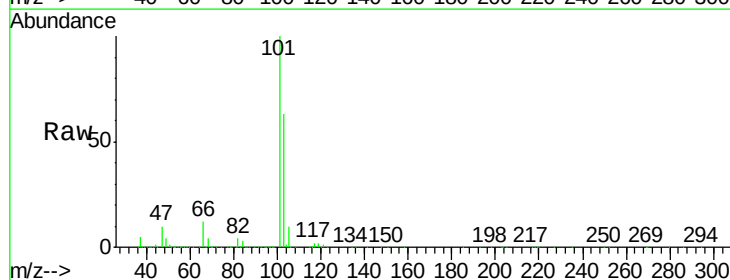
Acq: 18 Sep 2015 13:41

Tgt Ion: 101 Resp: 325621

Ion Ratio Lower Upper

101 100

103 62.8 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.33

200000

150000

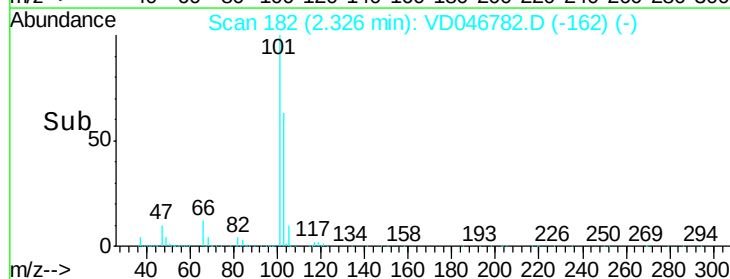
100000

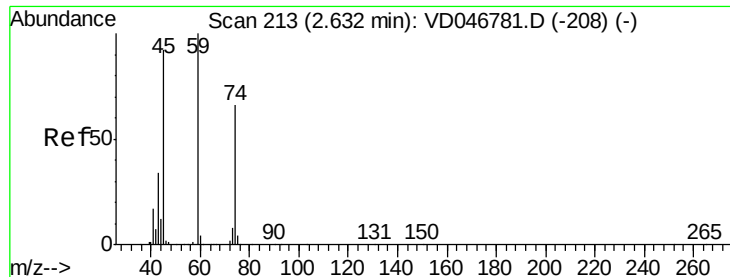
50000

0

Time-->

2.20 2.30 2.40 2.50





#9

Diethyl Ether

Concen: 94.53 ug/l

RT: 2.63 min Scan# 213

Delta R.T. 0.00 min

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Acq: 18 Sep 2015 13:41

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ClientSampleId :

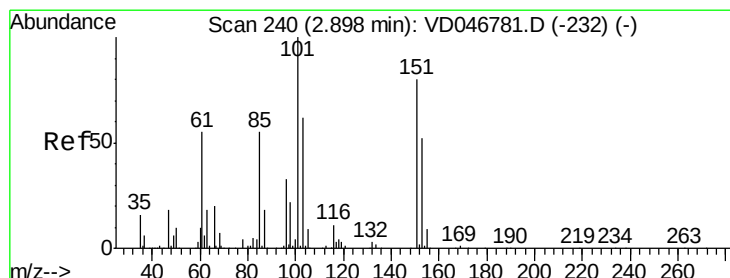
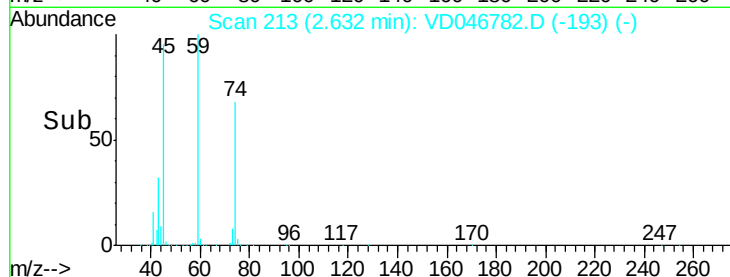
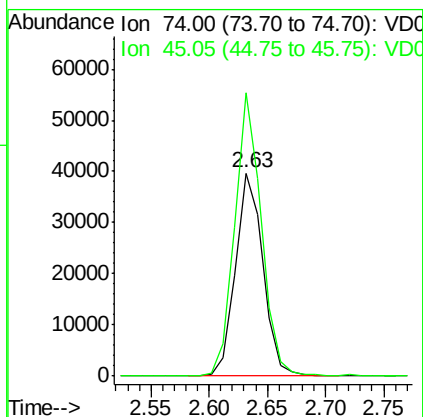
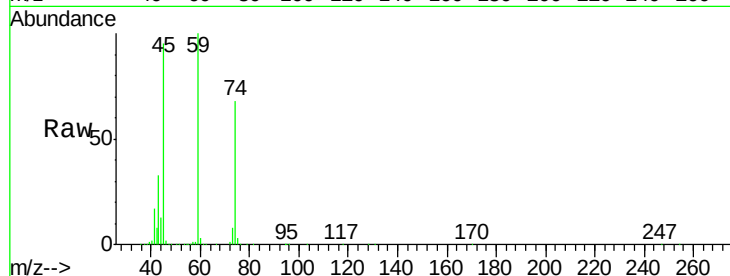
VSTDIC100

Tot Ion: 74 Resp: 65126

Ion Ratio Lower Upper

74 100

45 139.6 76.2 228.6



#10

1,1,2-Trichlorotrifluoroethane

Concen: 89.04 ug/l

RT: 2.90 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

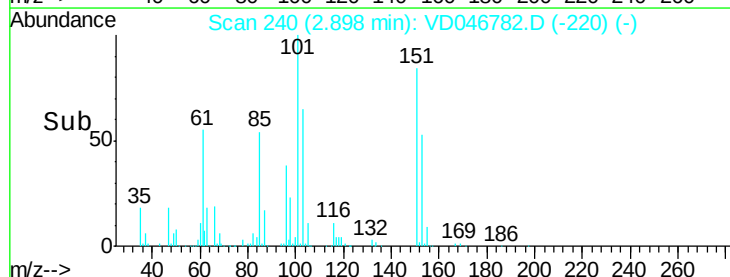
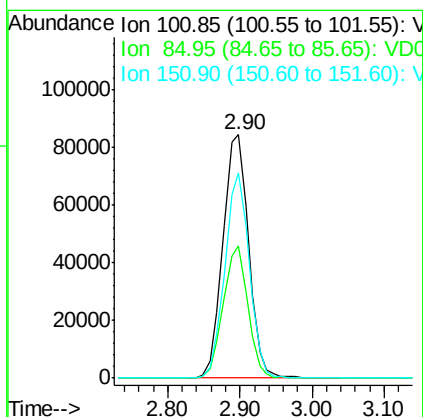
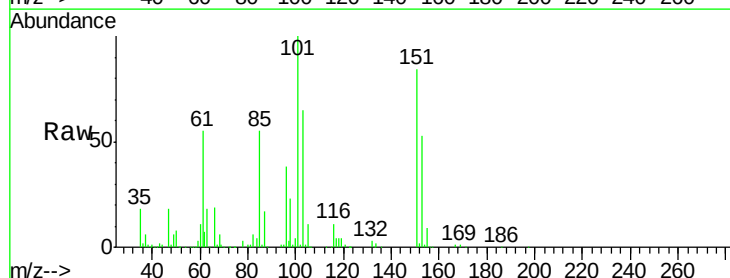
Tgt Ion: 101 Resp: 208696

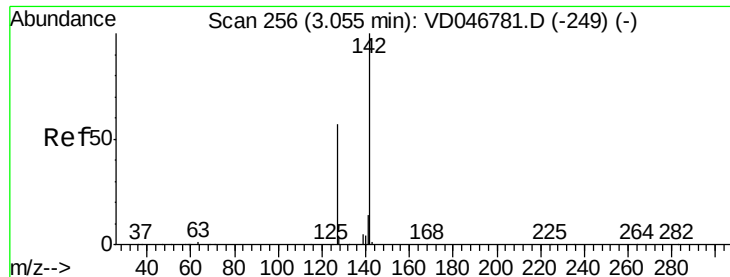
Ion Ratio Lower Upper

101 100

85 54.5 42.0 63.0

151 84.3 65.2 97.8

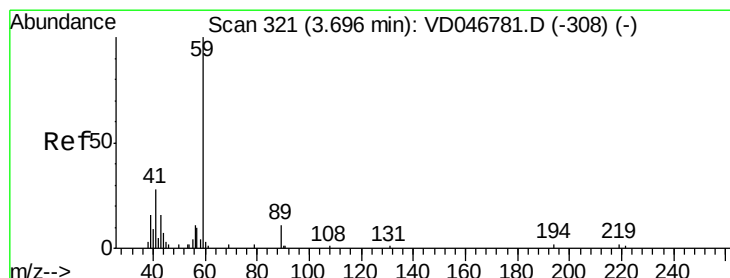
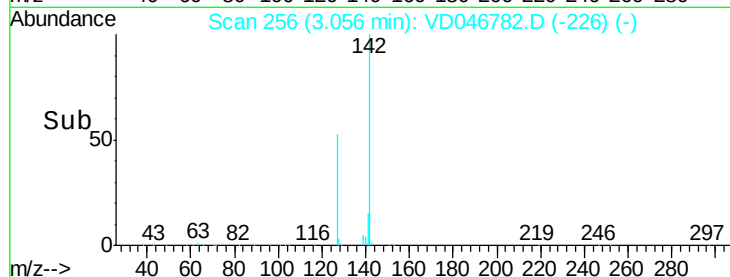
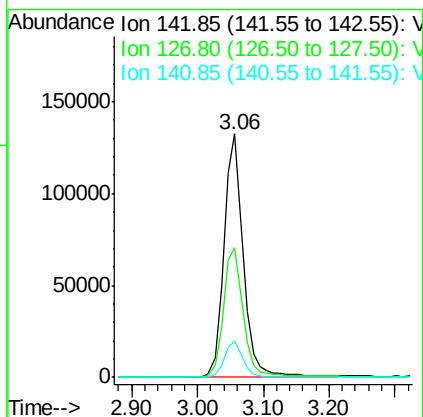
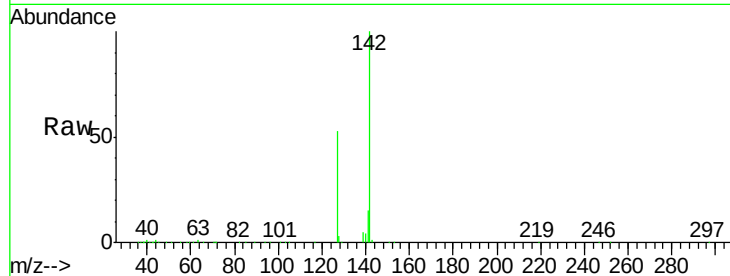




#11
Methvl Iodide
Concen: 106.02 ug/l
RT: 3.06 min Scan# 256
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

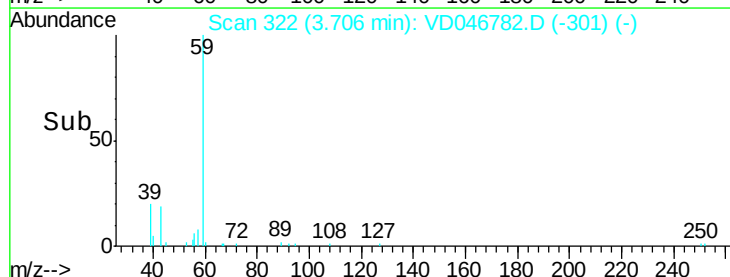
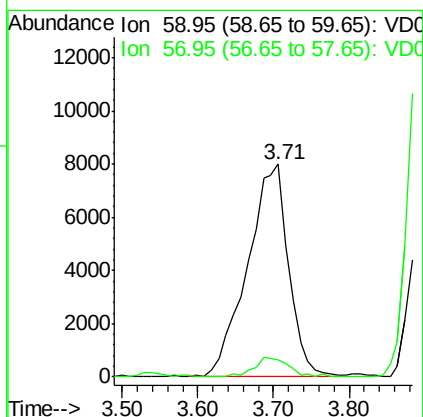
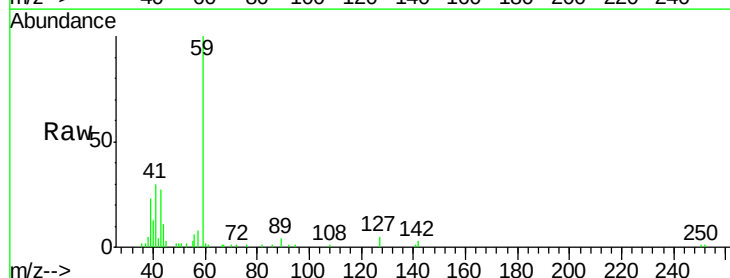
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

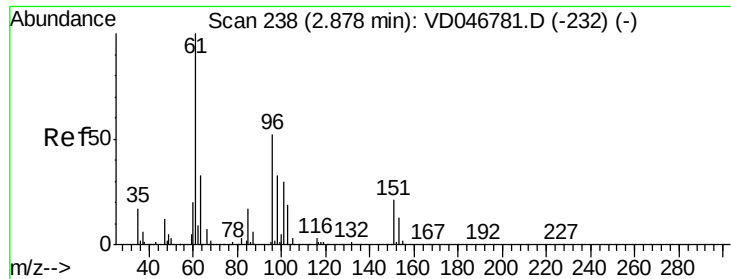
Tot Ion	Ratio	Lower	Upper
142	100		
127	53.4	41.2	61.8
141	15.0	11.6	17.4



#12
Tert butyl alcohol
Concen: 267.25 ug/l
RT: 3.71 min Scan# 322
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.1	7.8	11.6

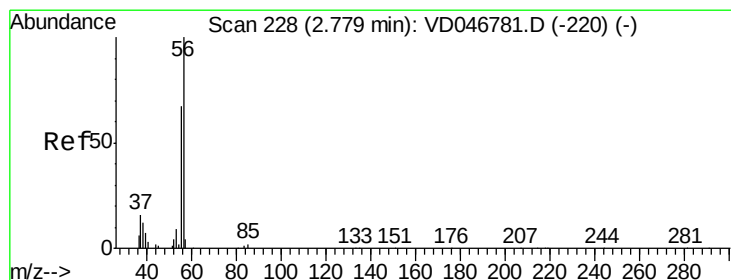
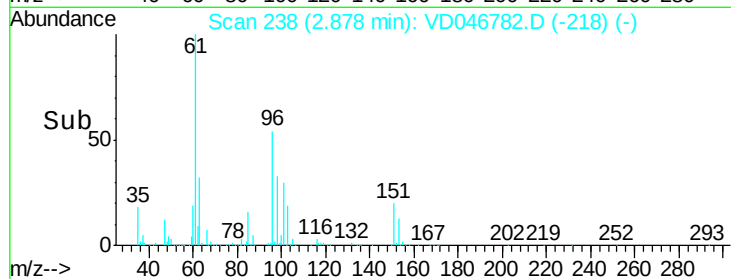
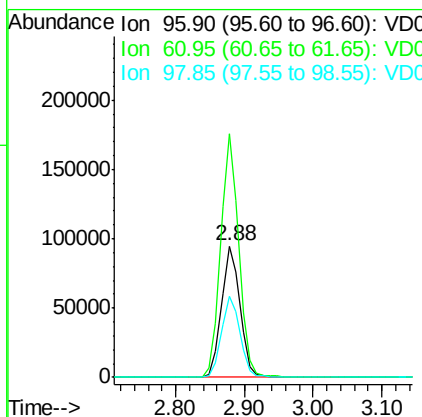
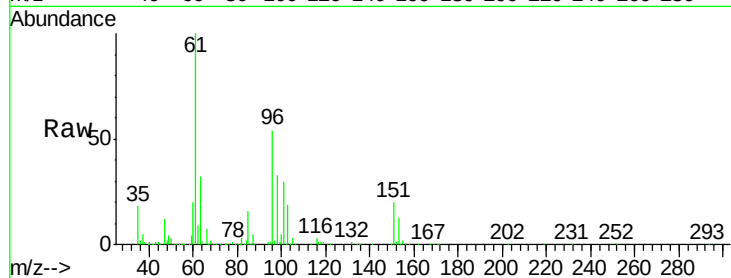




#13
 1,1-Dichloroethene
 Concen: 93.94 ug/l
 RT: 2.88 min Scan# 238
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

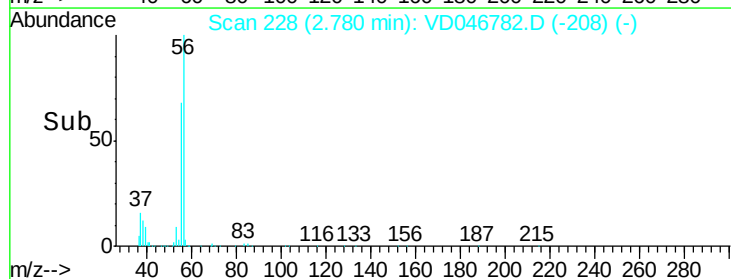
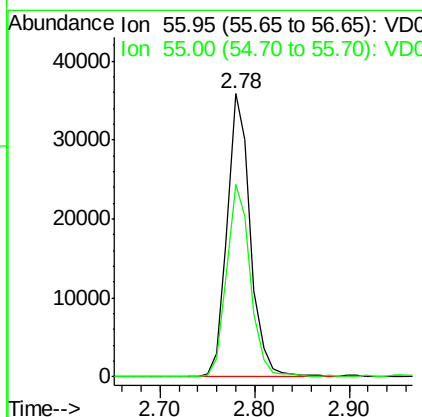
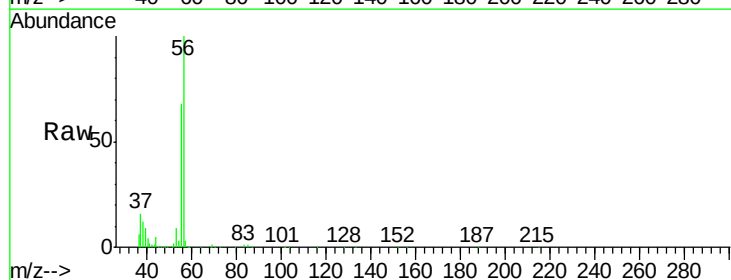
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

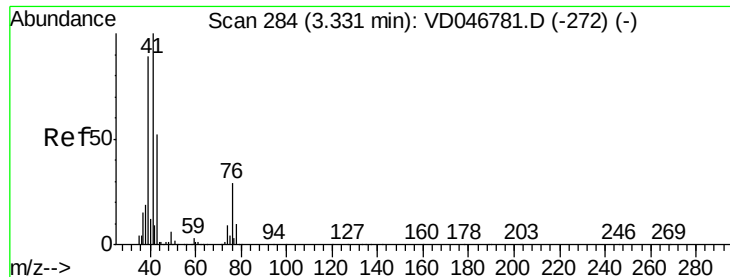
Tot Ion: 96 Resp: 176200
 Ion Ratio Lower Upper
 96 100
 61 185.6 152.2 228.4
 98 62.1 51.2 76.8



#14
 Acrolein
 Concen: 483.47 ug/l
 RT: 2.78 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 56 Resp: 61049
 Ion Ratio Lower Upper
 56 100
 55 67.9 62.6 93.8





#15

Allvl chloride

Concen: 93.21 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

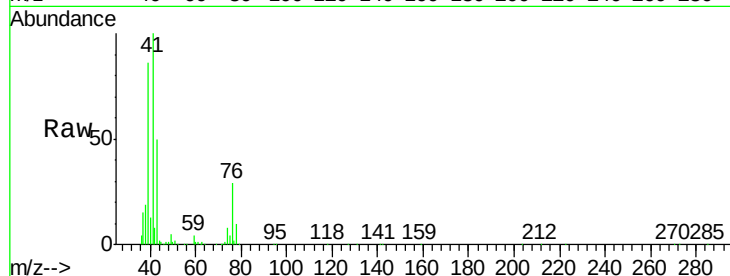
Tot Ion: 41 Resp: 362353

Ion Ratio Lower Upper

41 100

39 86.4 58.8 88.2

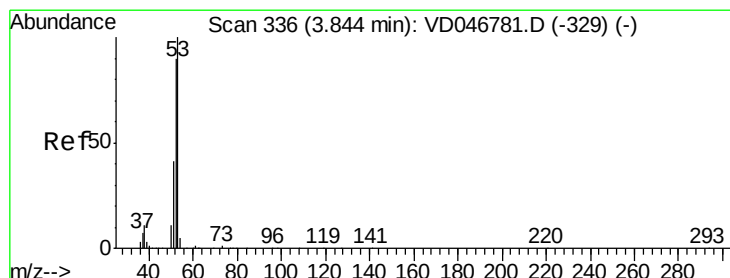
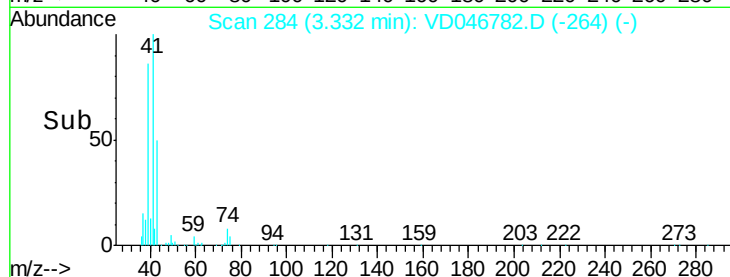
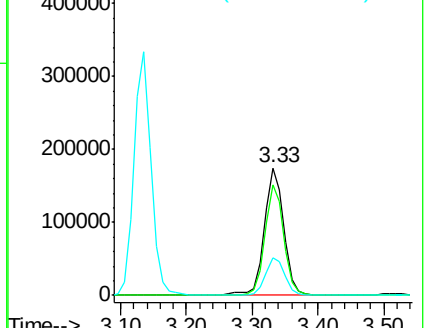
76 29.5 22.7 34.1



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



#16

Acrylonitrile

Concen: 477.00 ug/l

RT: 3.84 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

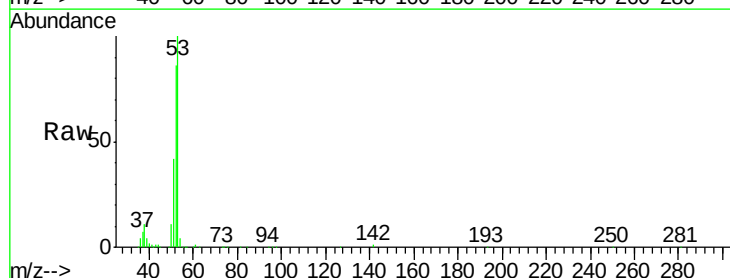
Tgt Ion: 53 Resp: 133844

Ion Ratio Lower Upper

53 100

52 86.4 66.8 100.2

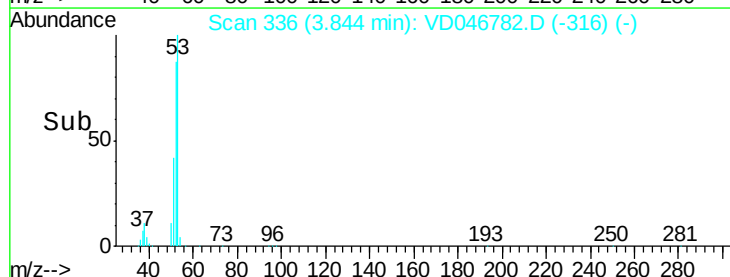
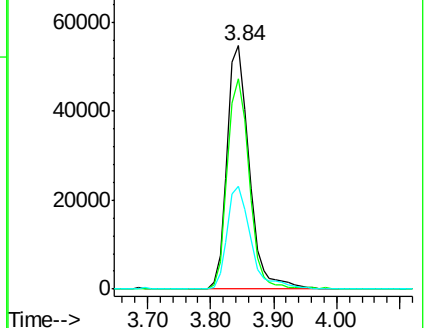
51 42.1 31.2 46.8

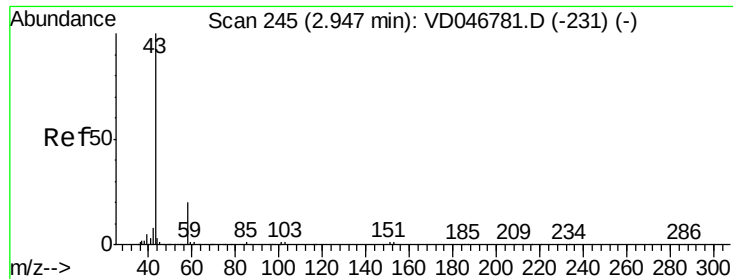


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#17

Acetone

Concen: 425.32 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

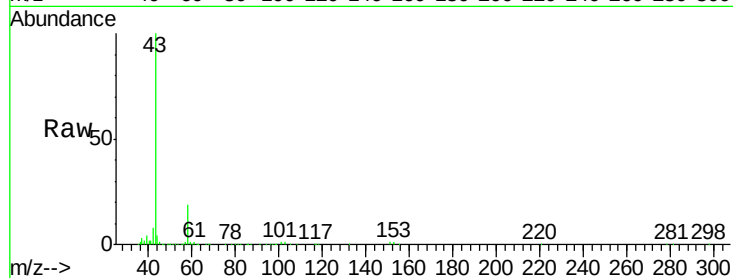
VSTDIC100

Tot Ion: 43 Resp: 173303

Ion Ratio Lower Upper

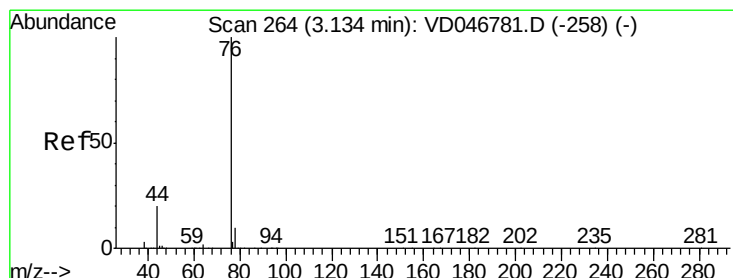
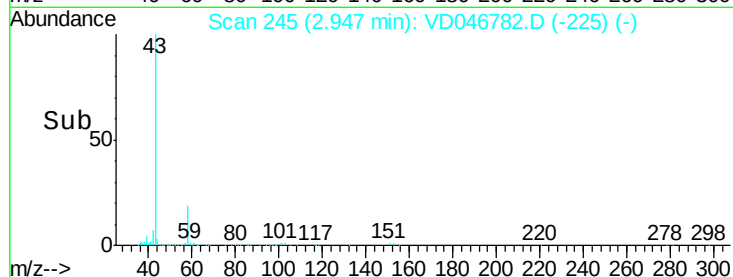
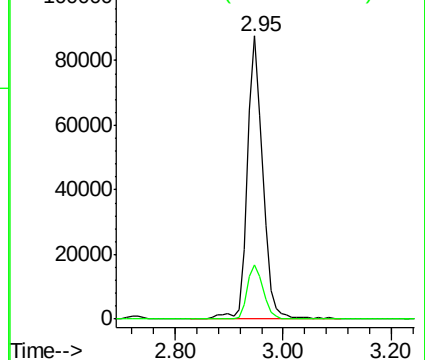
43 100

58 19.1 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 85.58 ug/l

RT: 3.13 min Scan# 264

Delta R.T. 0.00 min

Lab File: VD046782.D

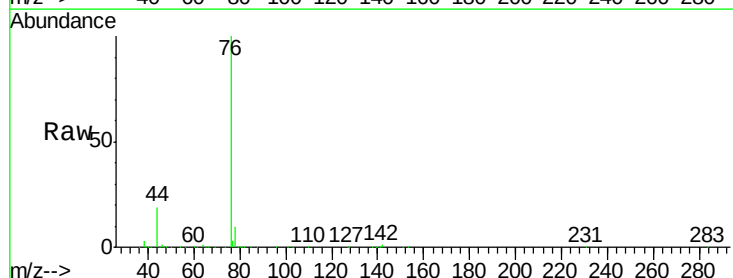
Acq: 18 Sep 2015 13:41

Tgt Ion: 76 Resp: 613833

Ion Ratio Lower Upper

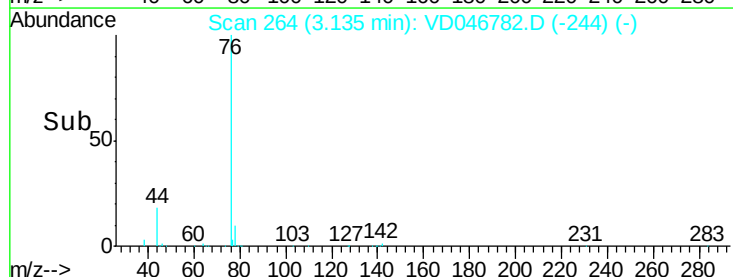
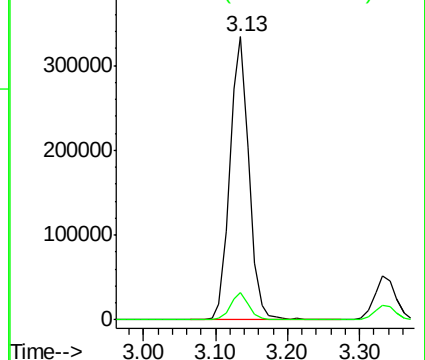
76 100

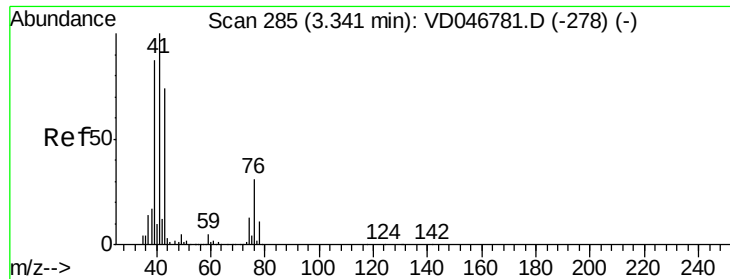
78 9.6 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

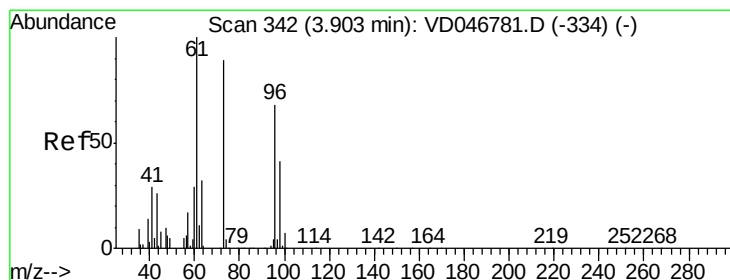
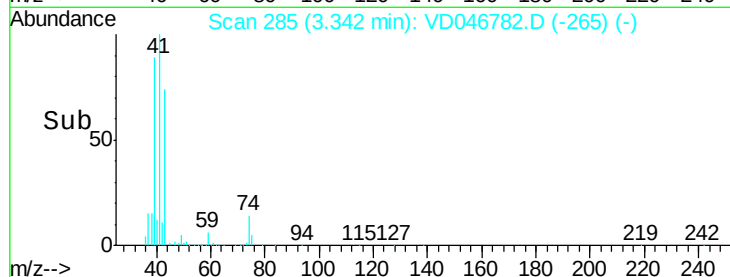
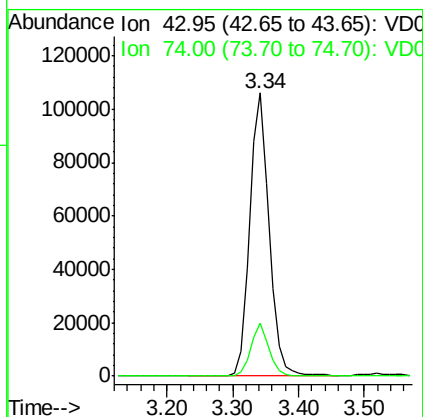
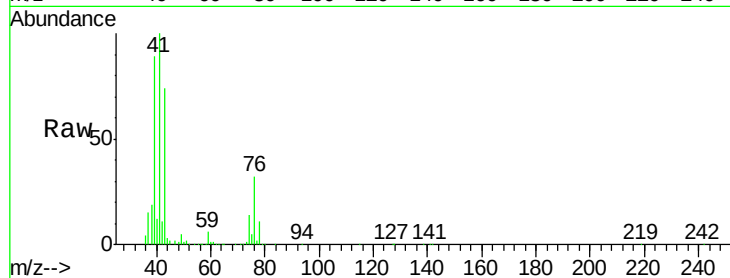




#19
Methvl Acetate
Concen: 91.31 ug/l
RT: 3.34 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

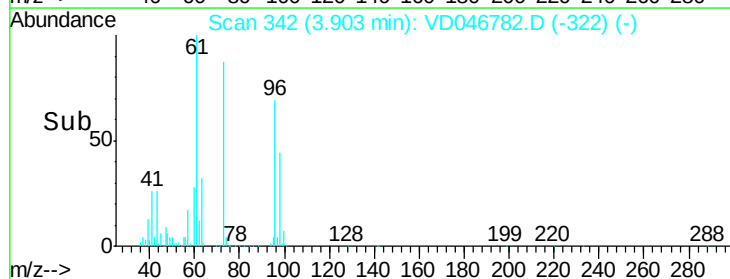
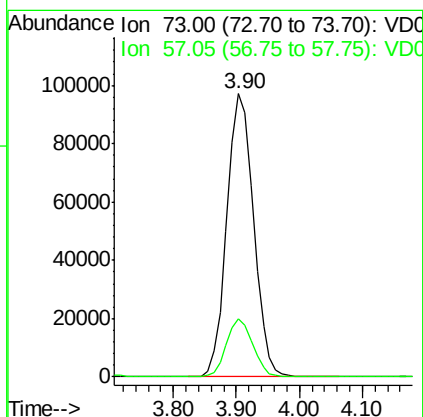
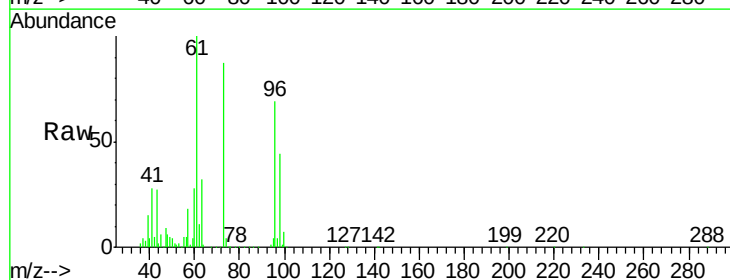
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

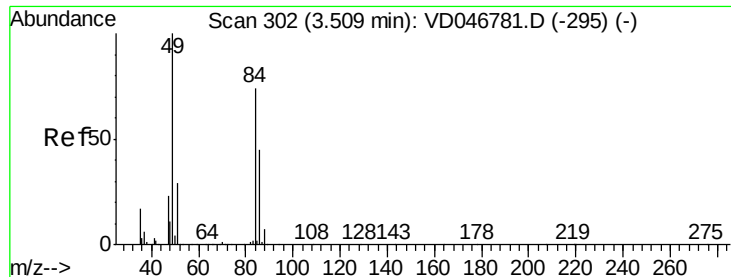
Tot Ion: 43 Resp: 218075
Ion Ratio Lower Upper
43 100
74 18.8 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 100.09 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion: 73 Resp: 285564
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1





#21

Methylene Chloride

Concen: 85.45 ug/l

RT: 3.51 min Scan# 302

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 84 Resp: 189119

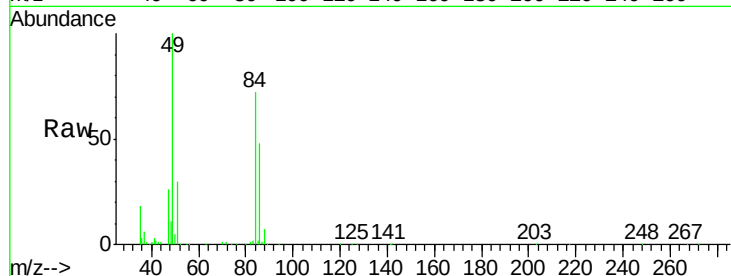
Ion Ratio Lower Upper

84 100

49 139.2 122.1 183.1

51 41.6 33.6 50.4

86 66.9 48.3 72.5

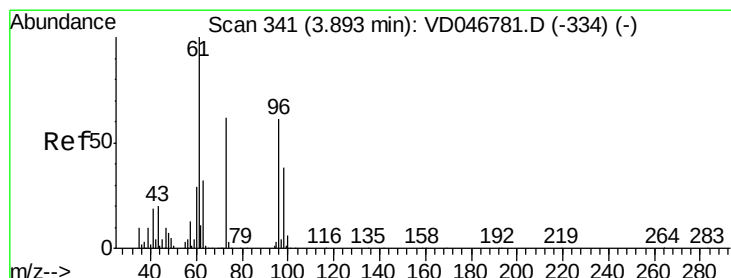
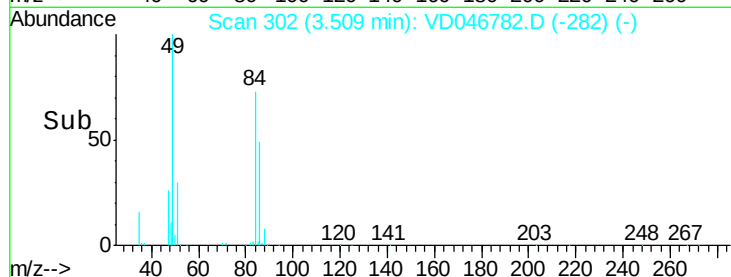
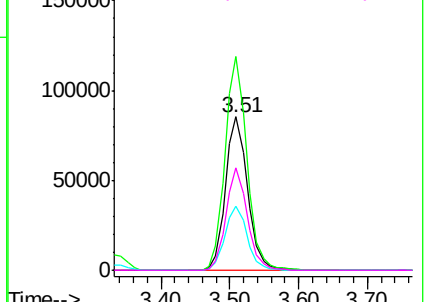


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#22

trans-1,2-Dichloroethene

Concen: 89.48 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

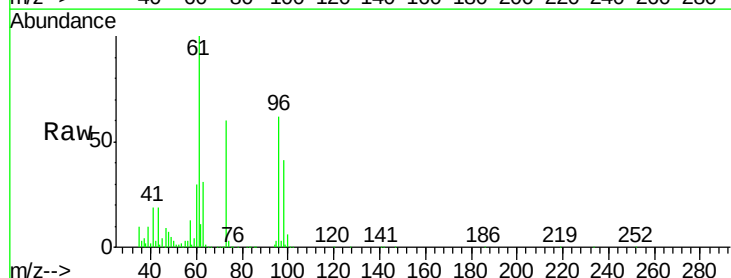
Tgt Ion: 96 Resp: 190426

Ion Ratio Lower Upper

96 100

61 161.6 125.8 188.6

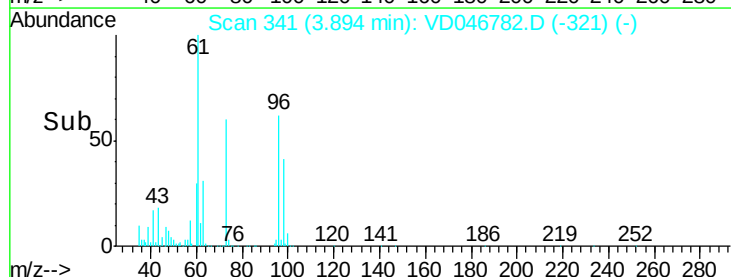
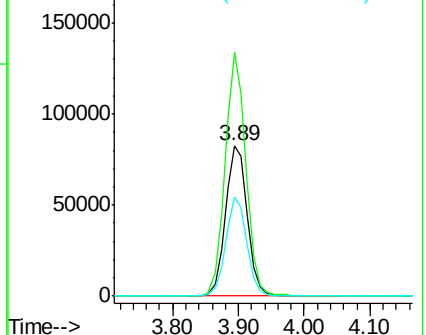
98 65.7 54.5 81.7

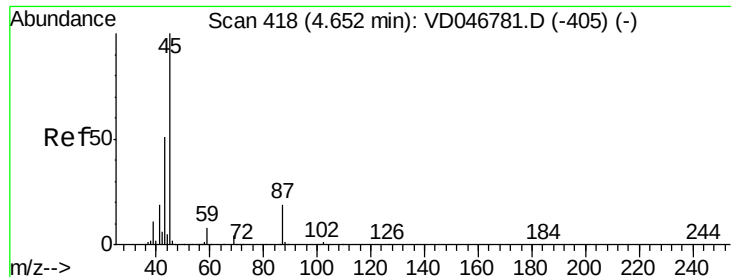


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

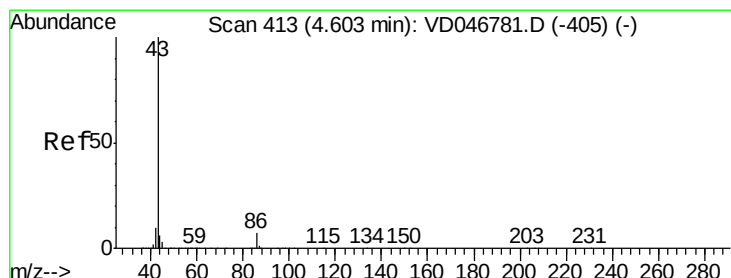
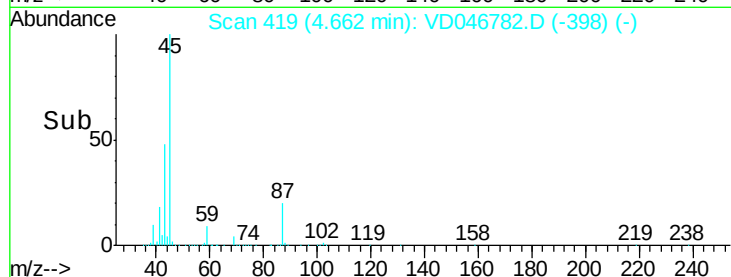
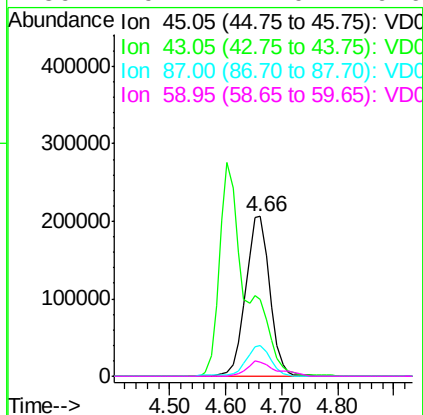
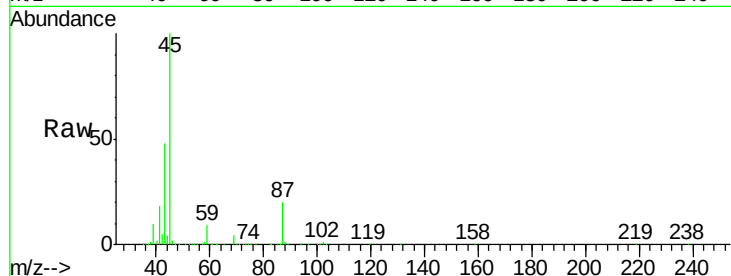




#23
Diisopropyl ether
Concen: 95.15 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

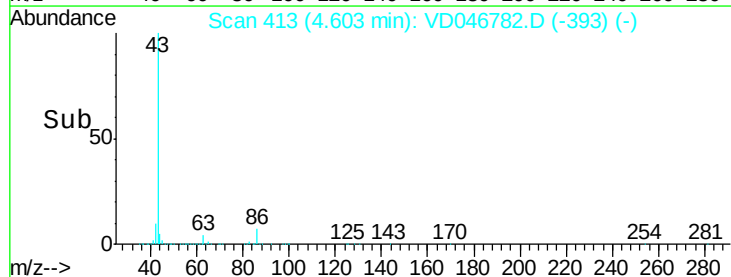
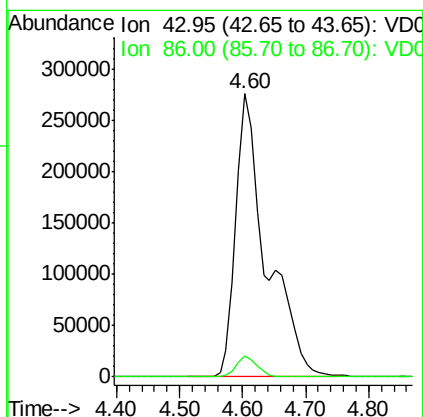
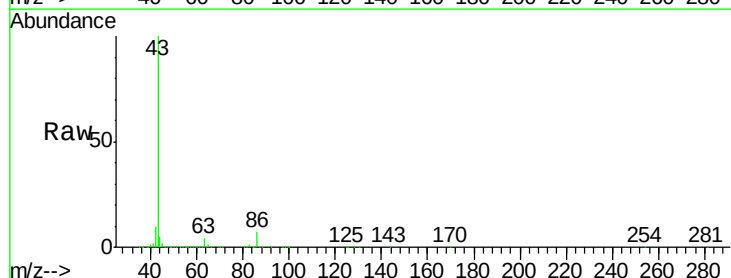
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

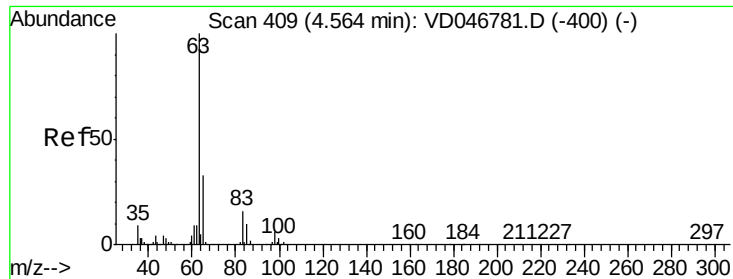
Tot Ion:	45	Resp:	614628
Ion	Ratio	Lower	Upper
45	100		
43	48.2	35.9	53.9
87	19.5	13.0	19.6
59	9.1	7.0	10.6



#24
Vinyl Acetate
Concen: 717.64 ug/l
RT: 4.60 min Scan# 413
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion:	43	Resp:	928120
Ion	Ratio	Lower	Upper
43	100		
86	7.2	4.9	7.3





#25

1,1-Dichloroethane

Concen: 89.90 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

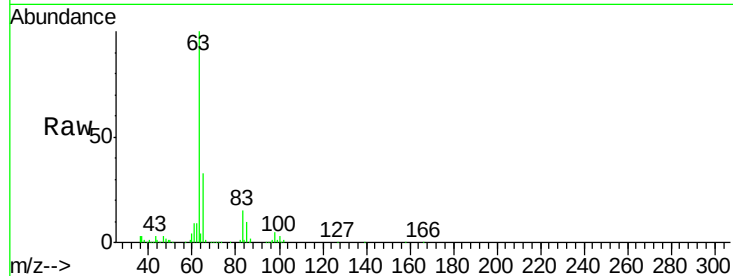
Tot Ion: 63 Resp: 349370

Ion Ratio Lower Upper

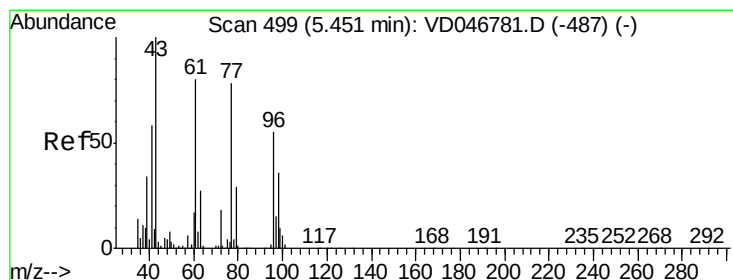
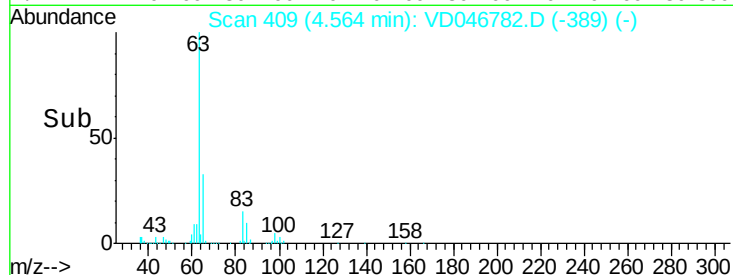
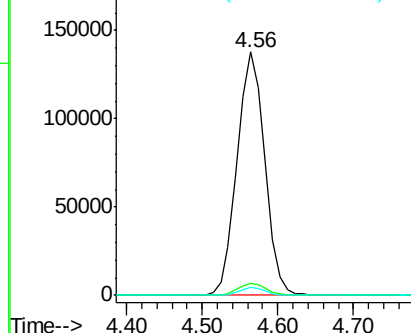
63 100

98 5.1 2.5 7.5

100 3.2 1.5 4.5



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



#26

2-Butanone

Concen: 451.46 ug/l

RT: 5.46 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD046782.D

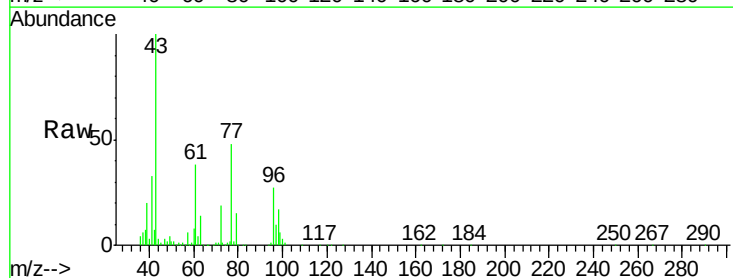
Acq: 18 Sep 2015 13:41

Tgt Ion: 43 Resp: 211643

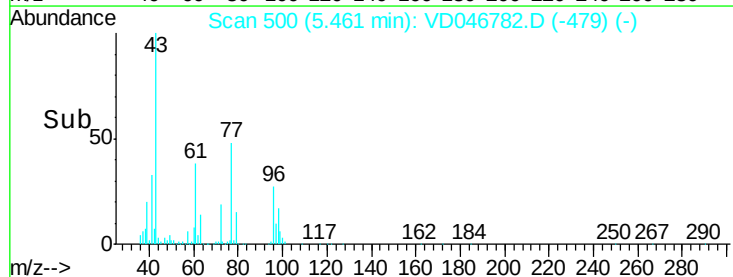
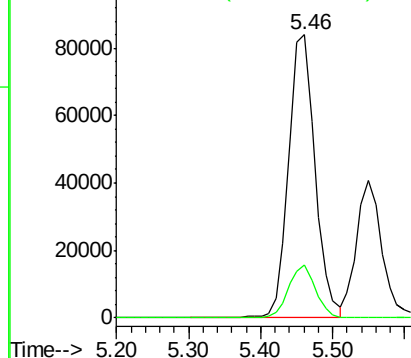
Ion Ratio Lower Upper

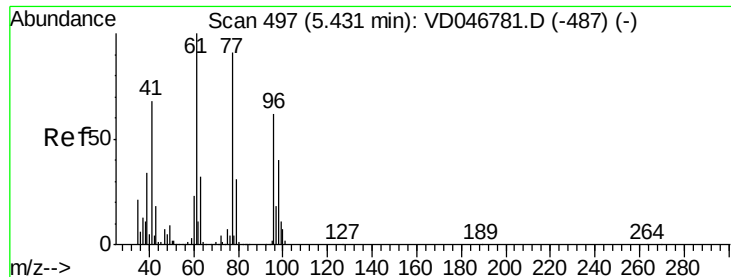
43 100

72 18.7 13.4 20.0



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

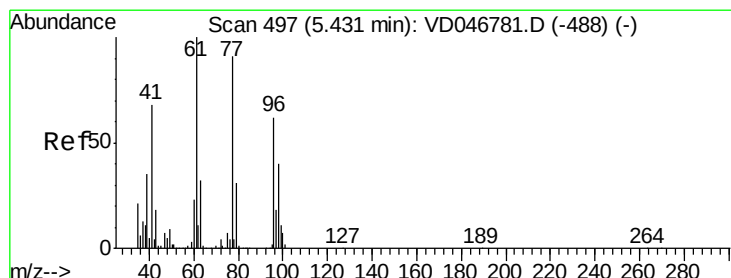
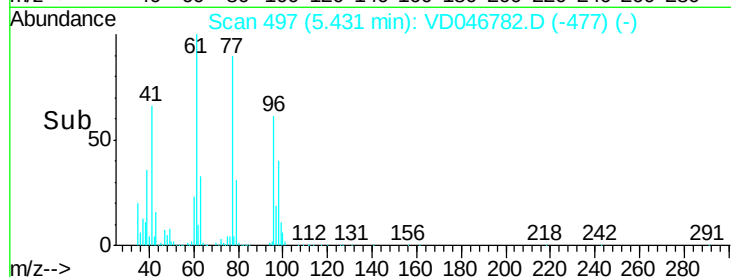
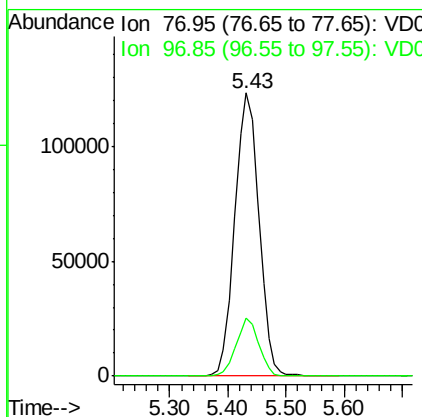
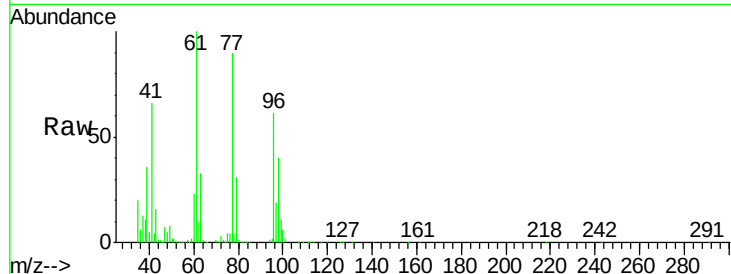




#27
 2,2-Dichloropropane
 Concen: 92.19 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

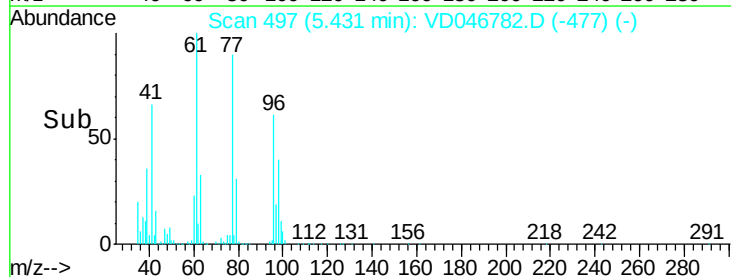
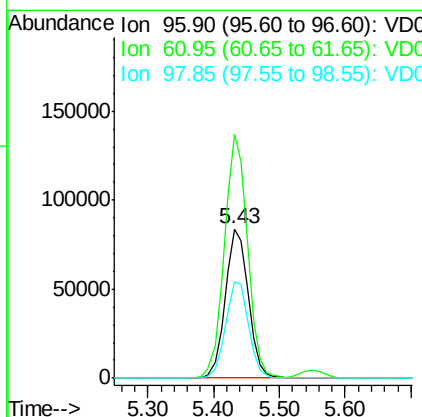
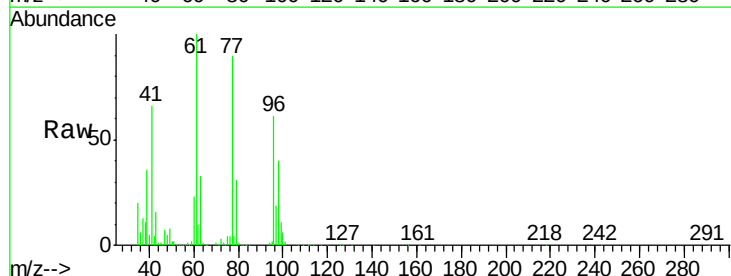
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

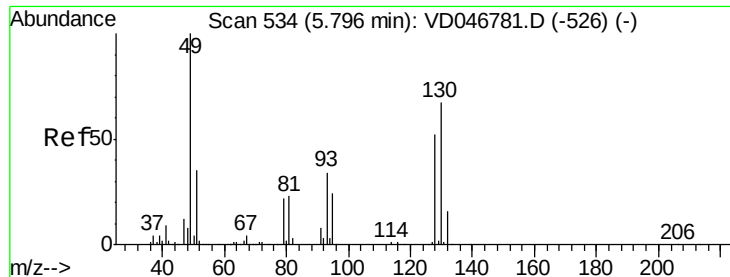
Tot Ion: 77 Resp: 356566
 Ion Ratio Lower Upper
 77 100
 97 20.6 10.4 31.1



#28
 cis-1,2-Dichloroethene
 Concen: 92.76 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 96 Resp: 205062
 Ion Ratio Lower Upper
 96 100
 61 163.0 0.0 348.0
 98 64.6 0.0 128.8





#29

Bromochloromethane

Concen: 85.02 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

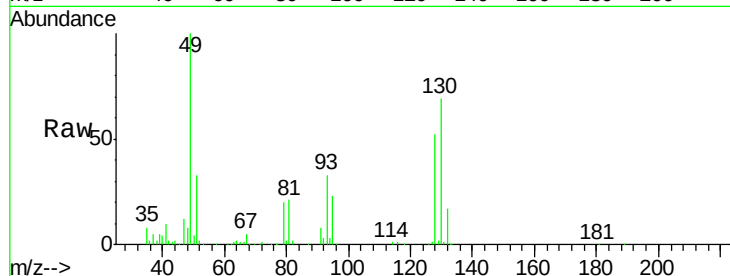
Tot Ion: 49 Resp: 133152

Ion Ratio Lower Upper

49 100

129 2.0 0.0 2.8

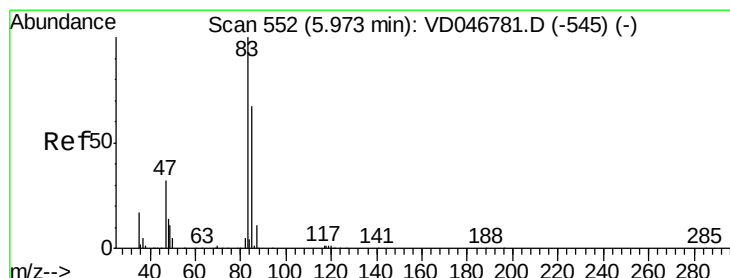
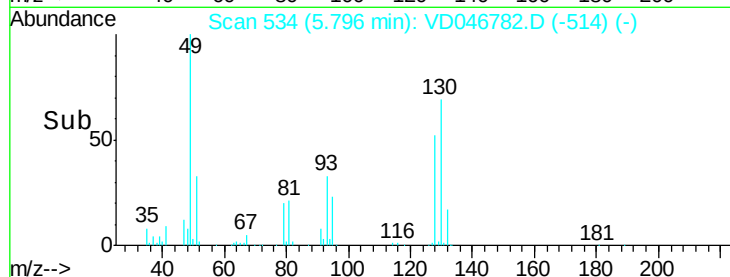
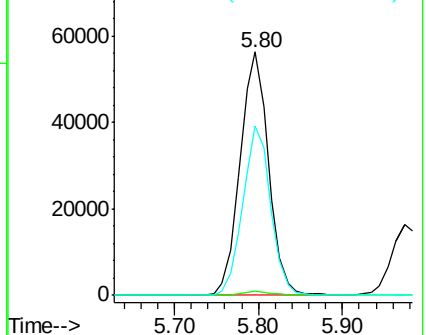
130 69.3 50.2 75.4



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#30

Chloroform

Concen: 90.53 ug/l

RT: 5.97 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD046782.D

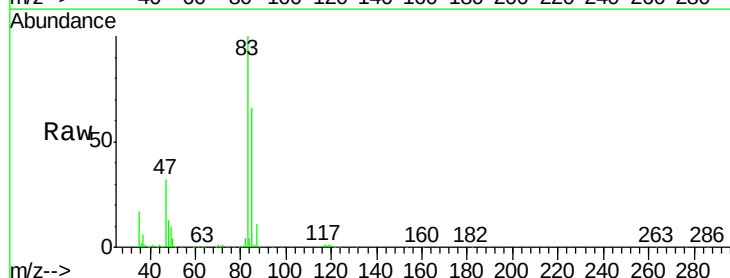
Acq: 18 Sep 2015 13:41

Tgt Ion: 83 Resp: 417282

Ion Ratio Lower Upper

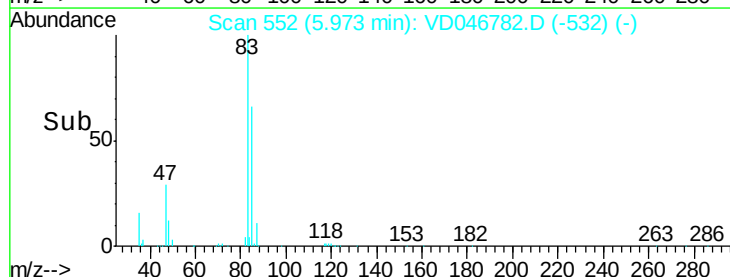
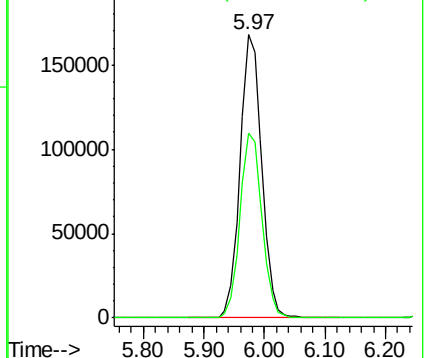
83 100

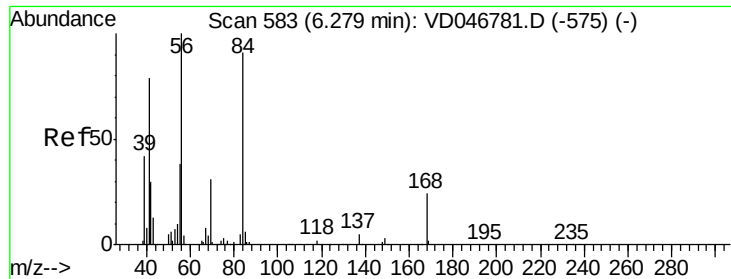
85 65.5 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

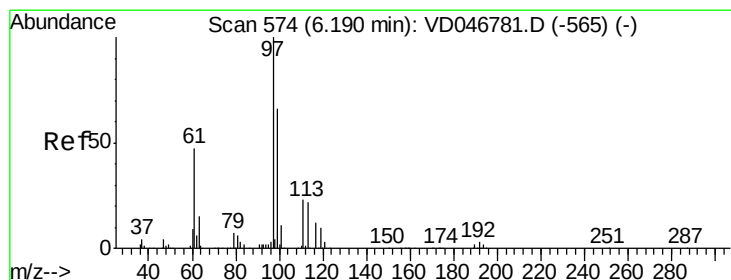
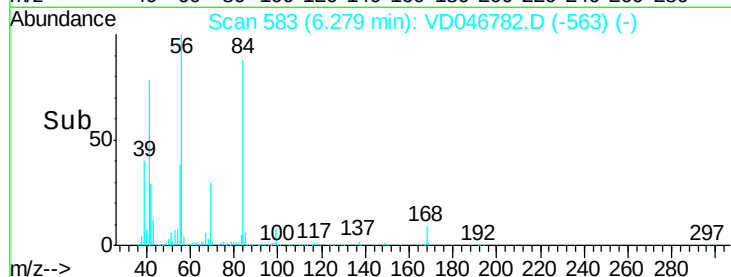
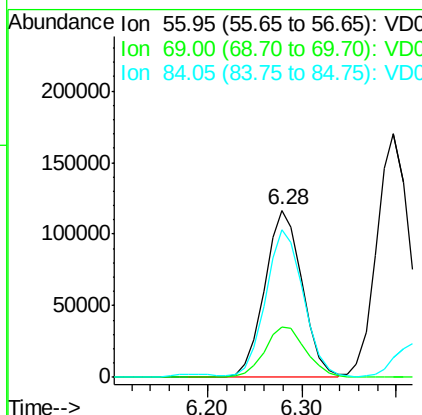
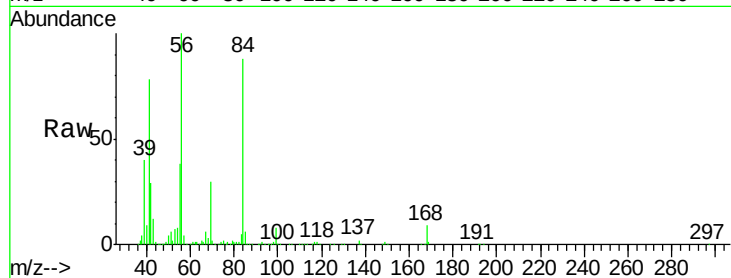




#31
Cyclohexane
Concen: 88.82 ug/l
RT: 6.28 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

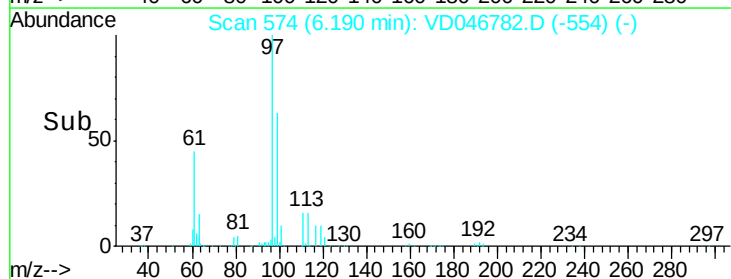
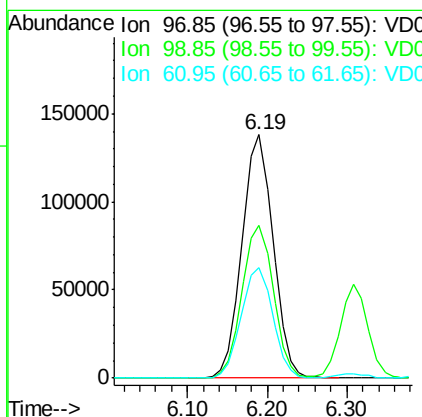
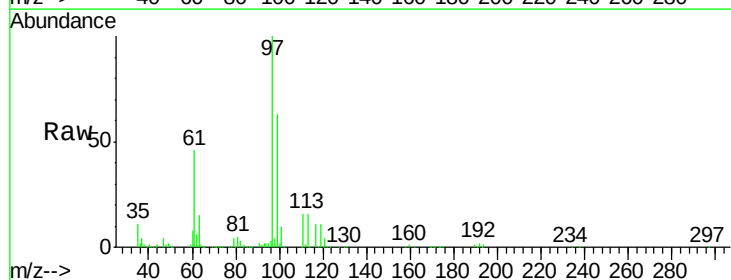
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

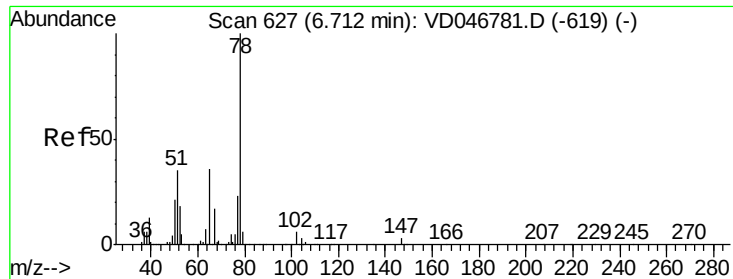
Tot Ion: 56 Resp: 322769
Ion Ratio Lower Upper
56 100
69 30.2 23.4 35.0
84 88.0 63.8 95.8



#32
1,1,1-Trichloroethane
Concen: 93.26 ug/l
RT: 6.19 min Scan# 574
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion: 97 Resp: 373826
Ion Ratio Lower Upper
97 100
99 63.0 50.2 75.4
61 45.5 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 93.26 ug/l

RT: 6.72 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

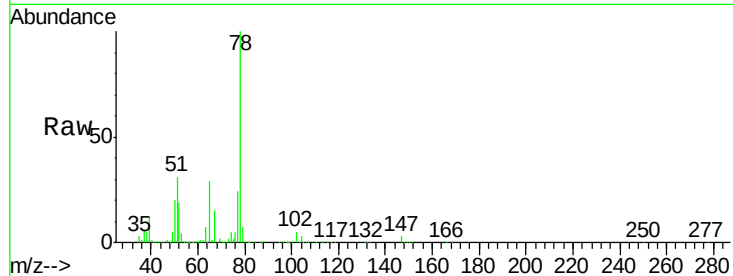
VSTDIC100

Tot Ion: 65 Resp: 216792

Ion Ratio Lower Upper

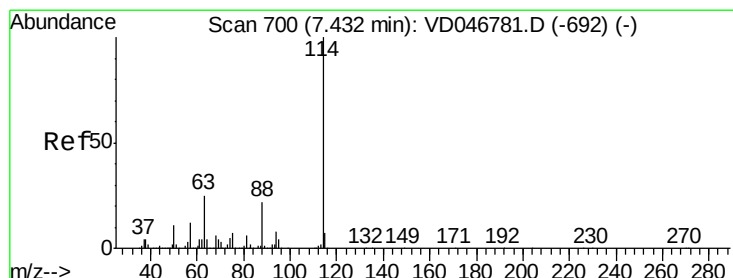
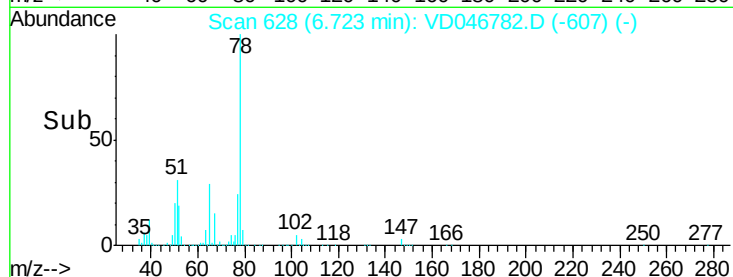
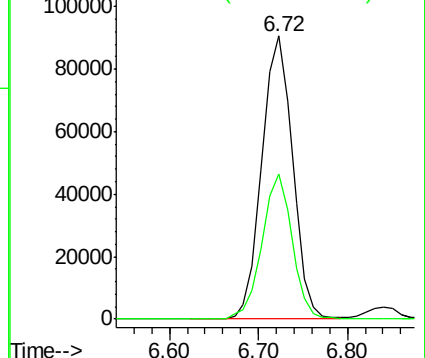
65 100

67 51.5 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

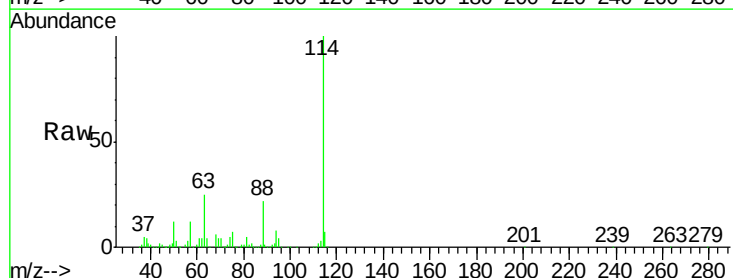
Tgt Ion: 114 Resp: 279295

Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.8

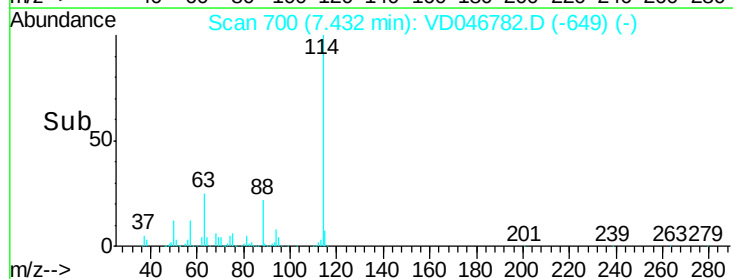
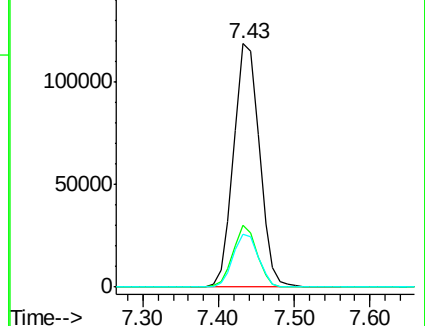
88 21.8 0.0 43.6

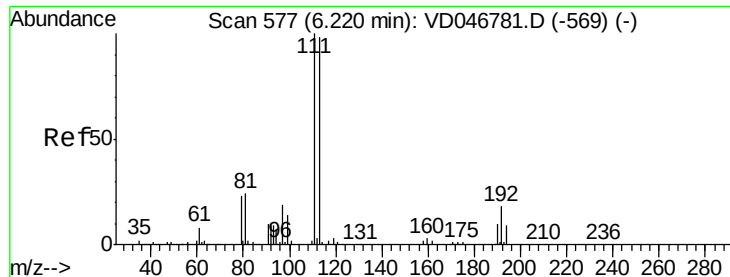


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

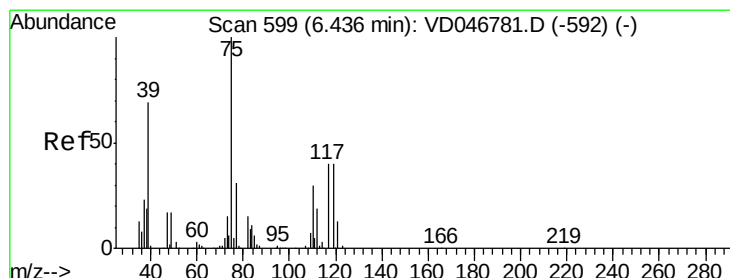
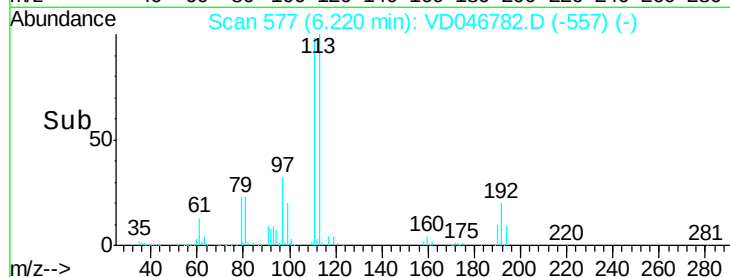
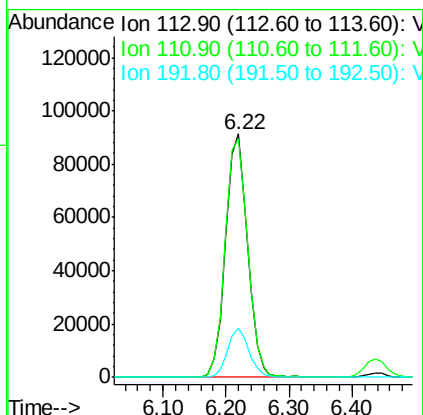
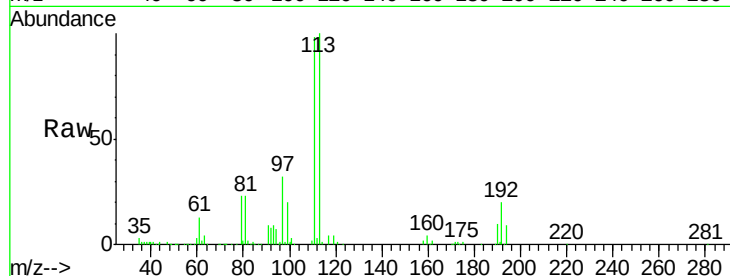




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

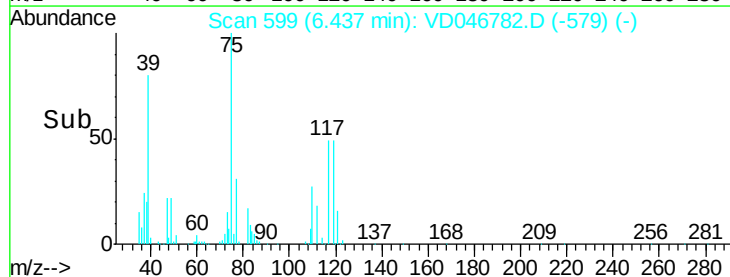
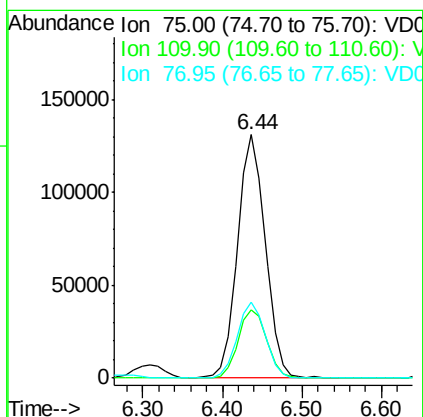
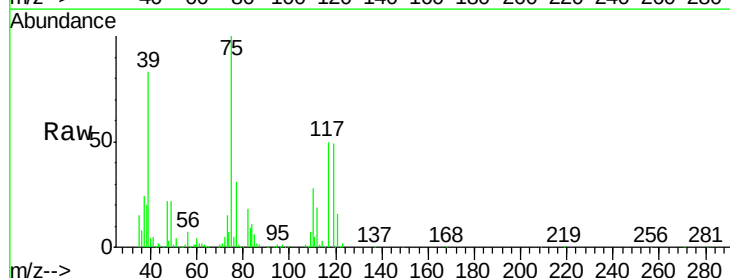
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

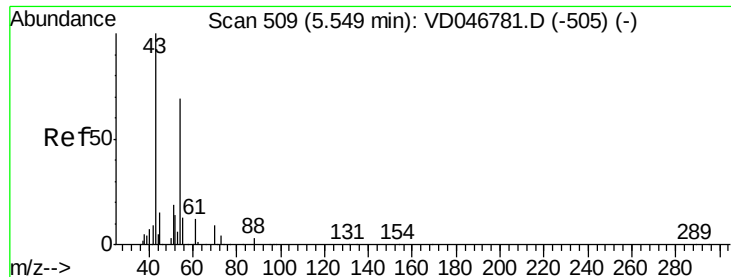
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.0	79.4	119.0
192	20.0	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 94.58 ug/l
 RT: 6.44 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.9	13.7	41.0
77	31.2	24.7	37.1

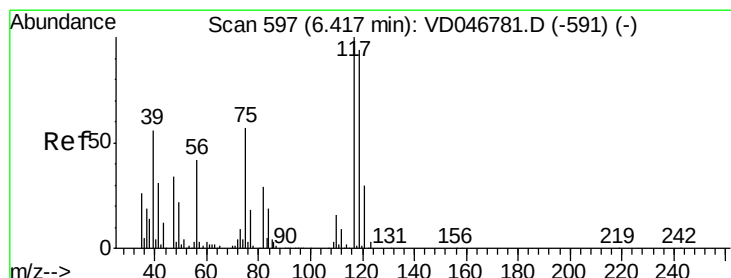
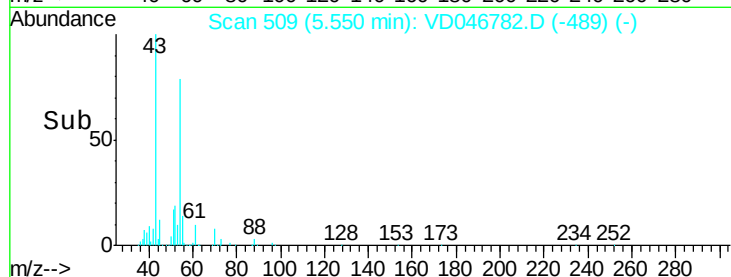
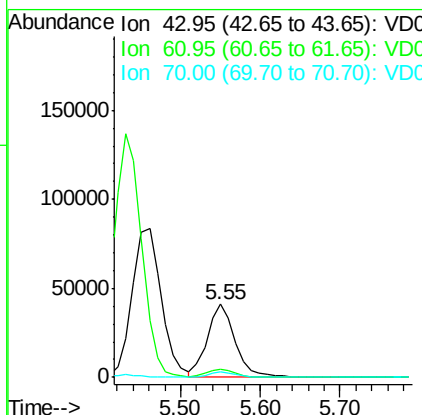
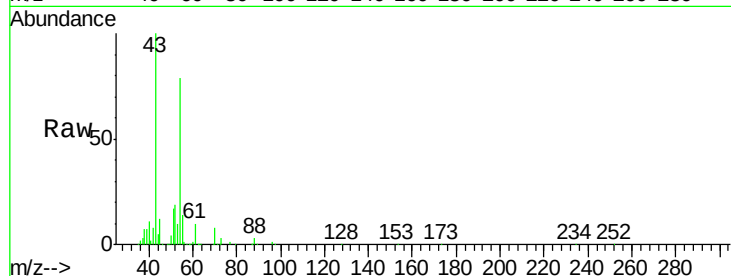




#37
Ethyl Acetate
Concen: 86.46 ug/l
RT: 5.55 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

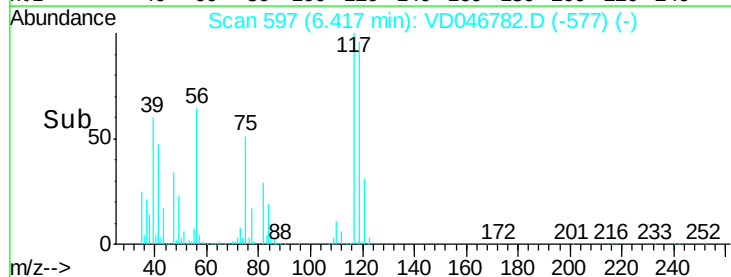
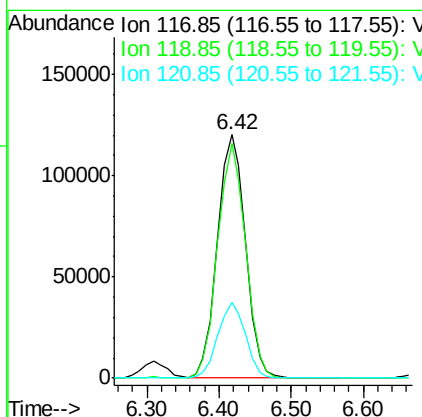
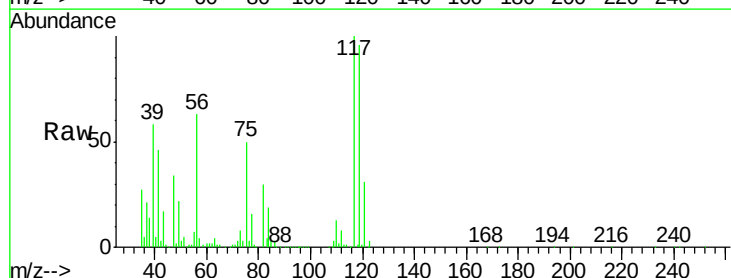
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

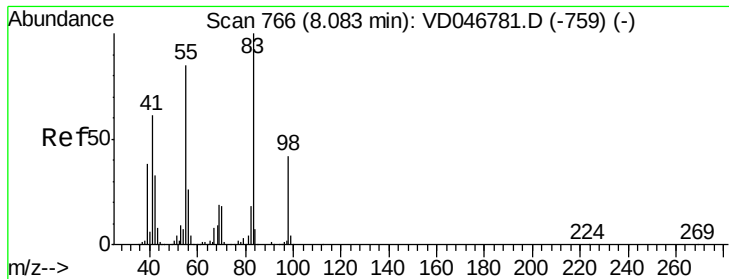
Tot Ion: 43 Resp: 99302
Ion Ratio Lower Upper
43 100
61 10.4 9.4 14.2
70 7.7 6.0 9.0



#38
Carbon Tetrachloride
Concen: 95.84 ug/l
RT: 6.42 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion: 117 Resp: 322754
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.4
121 31.4 24.5 36.7

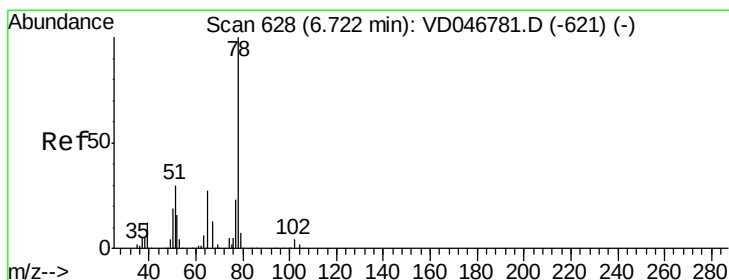
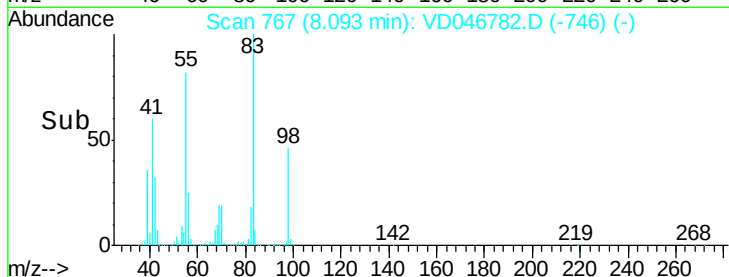
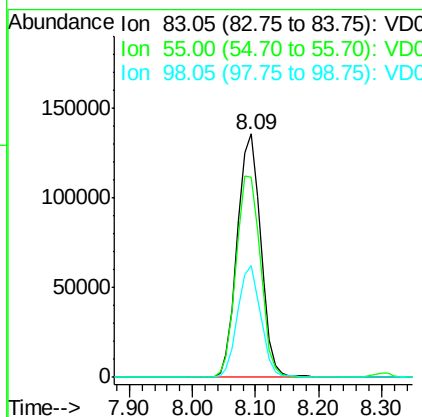
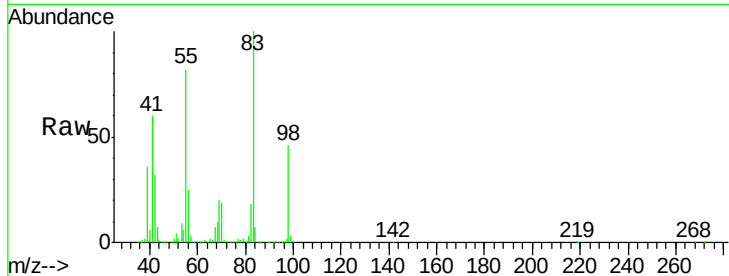




#39
Methylvlcyclohexane
Concen: 103.75 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

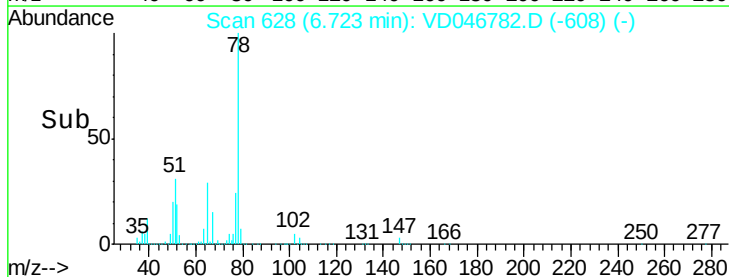
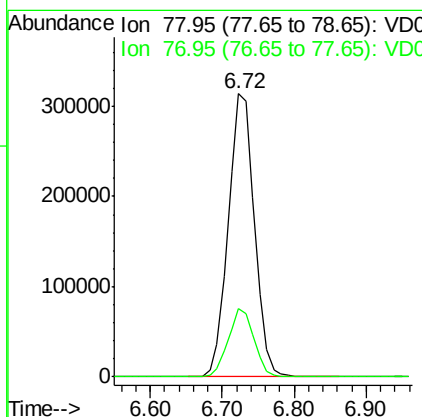
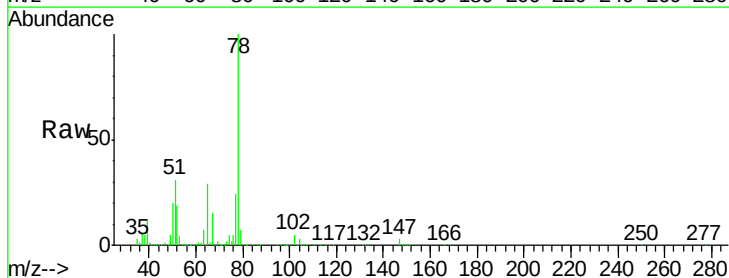
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

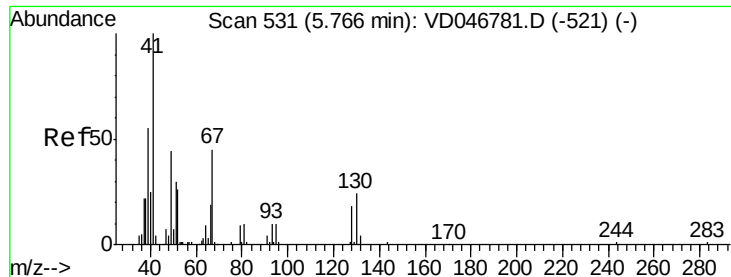
Tot Ion: 83 Resp: 349053
Ion Ratio Lower Upper
83 100
55 82.2 71.1 106.7
98 45.8 34.6 51.8



#40
Benzene
Concen: 91.71 ug/l
RT: 6.72 min Scan# 628
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion: 78 Resp: 793091
Ion Ratio Lower Upper
78 100
77 24.2 19.9 29.9

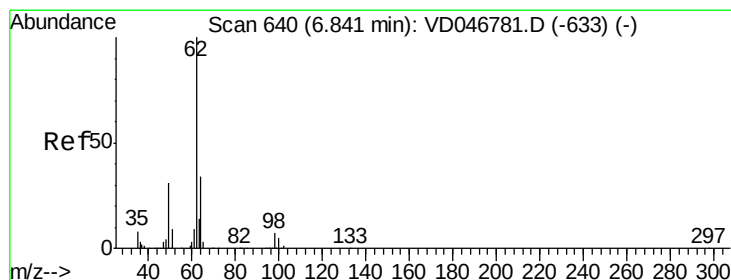
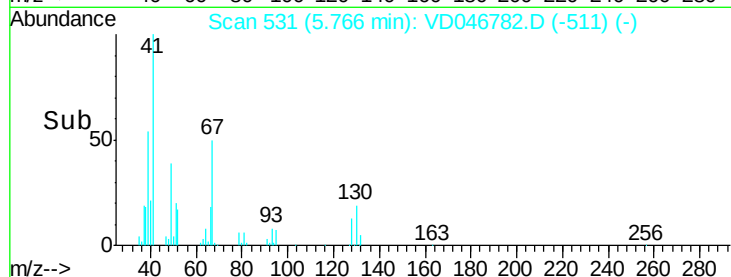
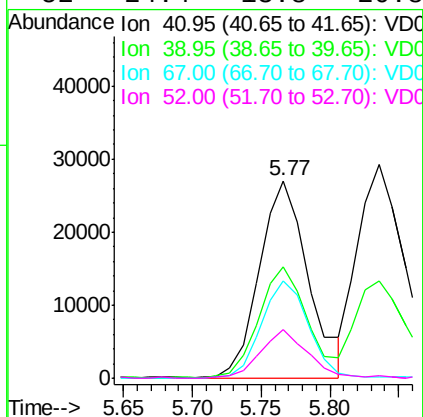
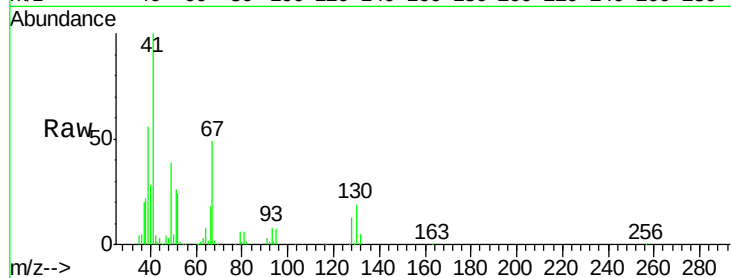




#41
Methacrylonitrile
Concen: 106.77 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

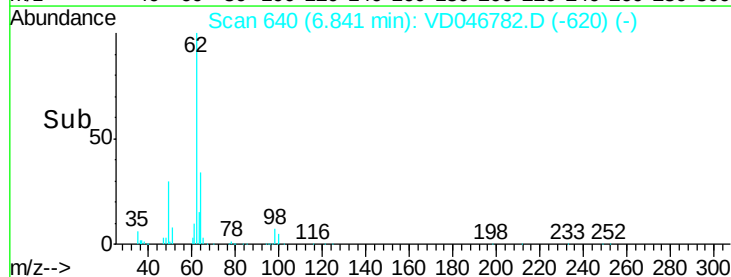
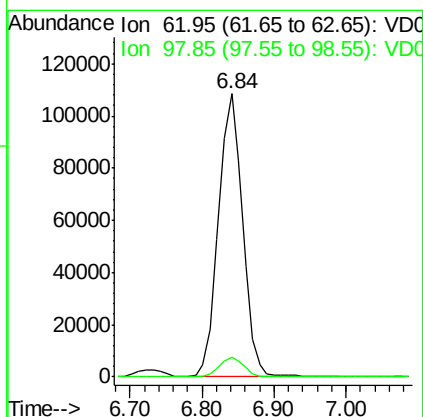
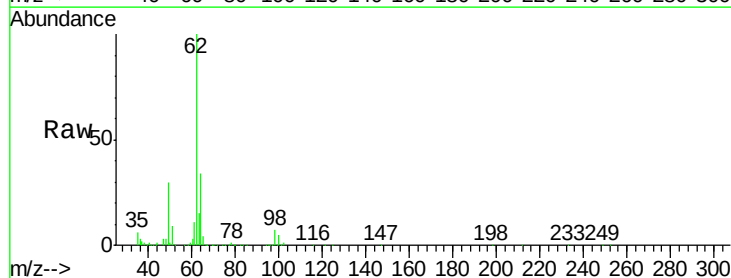
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

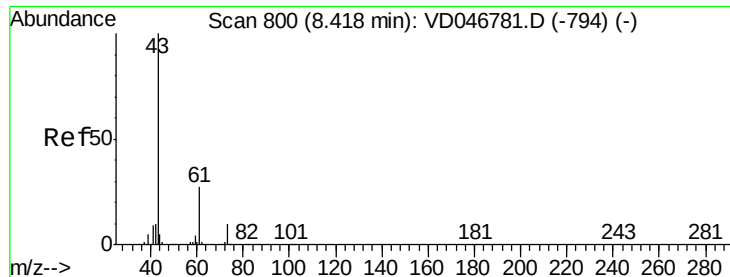
Tot Ion:	41	Resp:	66297
Ion	Ratio	Lower	Upper
41	100		
39	56.1	40.2	60.4
67	49.0	32.0	48.0#
52	24.4	13.8	20.8#



#42
1,2-Dichloroethane
Concen: 95.79 ug/l
RT: 6.84 min Scan# 640
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion:	62	Resp:	250937
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 108.15 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

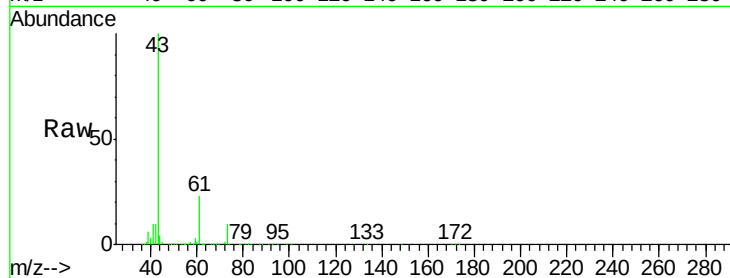
Tot Ion: 43 Resp: 153102

Ion Ratio Lower Upper

43 100

61 22.8 19.5 29.3

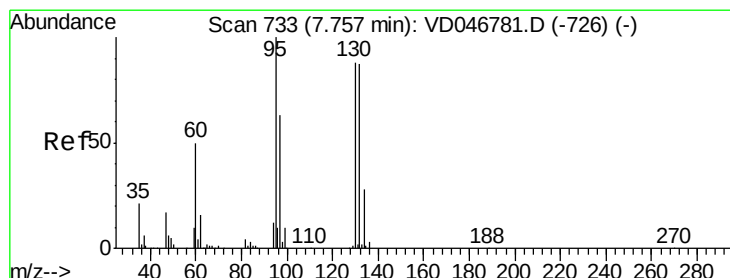
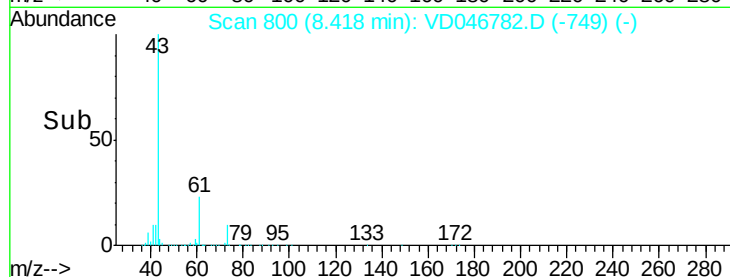
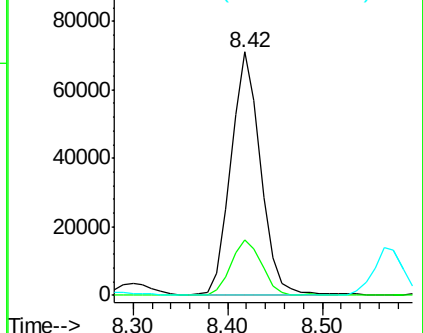
87 0.1 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 97.12 ug/l

RT: 7.76 min Scan# 733

Delta R.T. 0.00 min

Lab File: VD046782.D

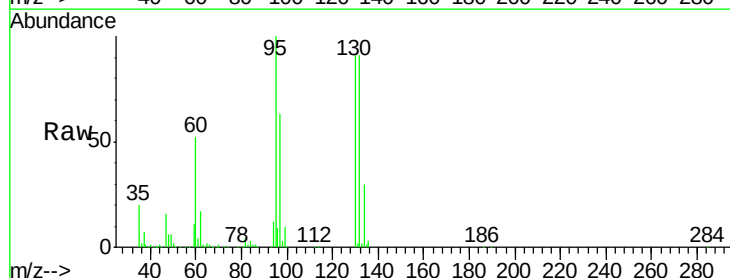
Acq: 18 Sep 2015 13:41

Tgt Ion:130 Resp: 209507

Ion Ratio Lower Upper

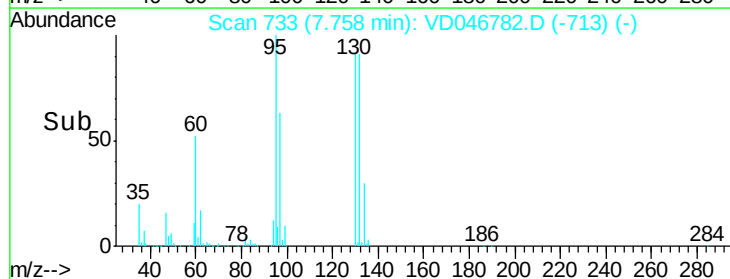
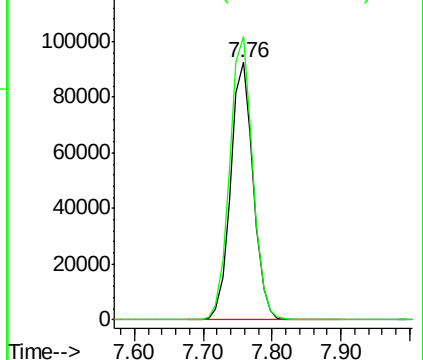
130 100

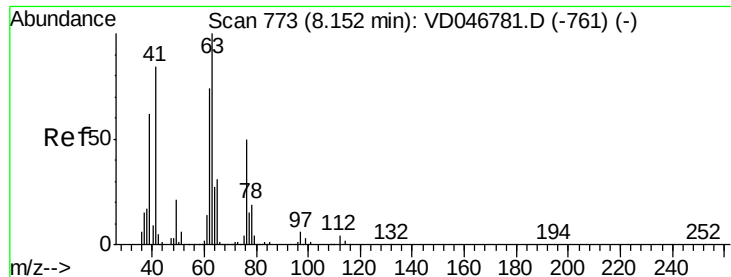
95 110.0 0.0 229.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

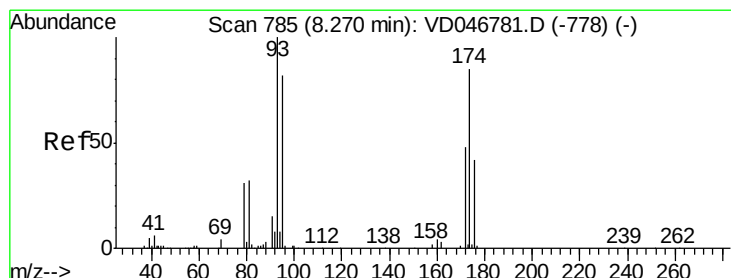
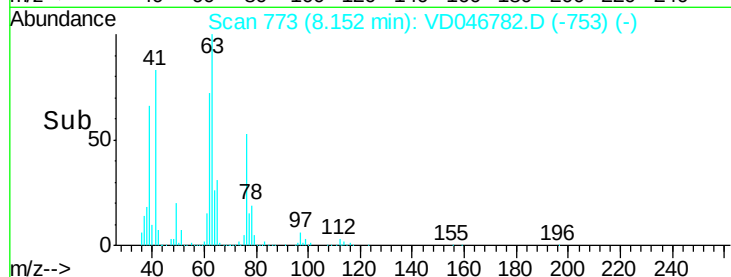
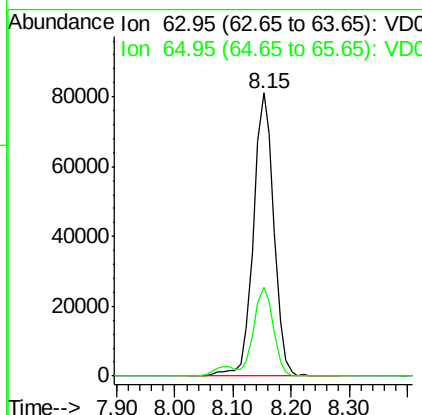
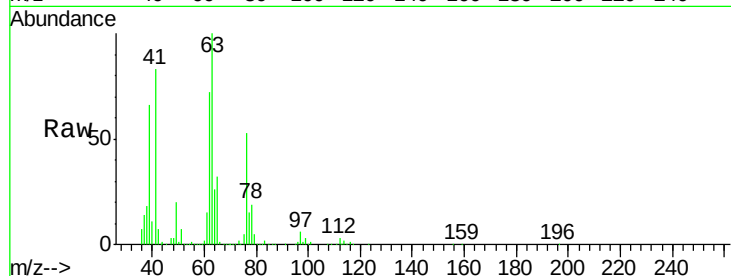




#45
 1,2-Dichloropropane
 Concen: 95.18 ug/l
 RT: 8.15 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

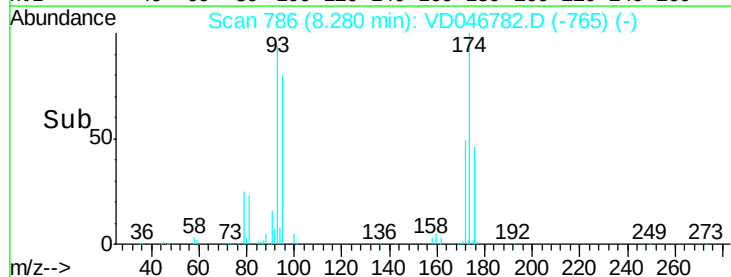
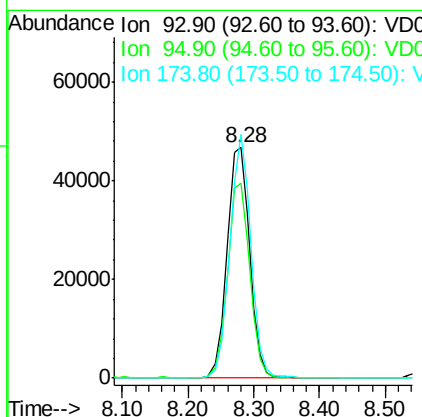
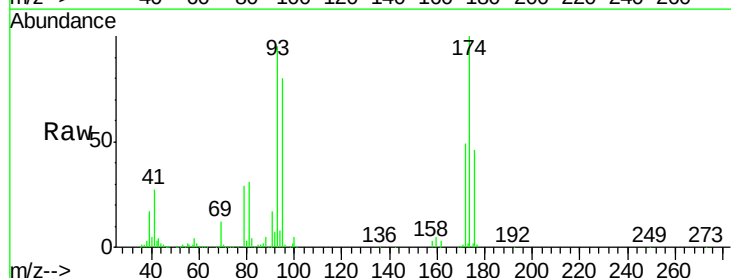
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

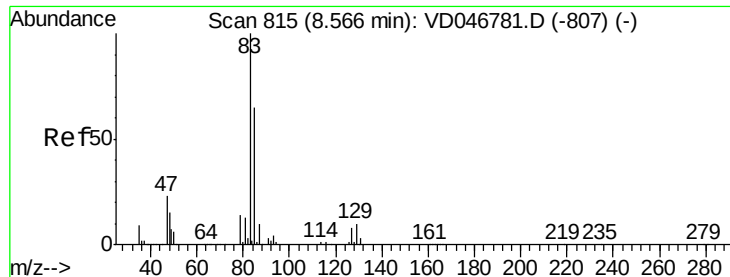
Tot Ion: 63 Resp: 201685
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.1 37.7



#46
 Dibromomethane
 Concen: 96.71 ug/l
 RT: 8.28 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 93 Resp: 113211
 Ion Ratio Lower Upper
 93 100
 95 84.7 70.2 105.2
 174 105.6 79.0 118.4





#47

Bromodichloromethane

Concen: 97.56 ug/l

RT: 8.57 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

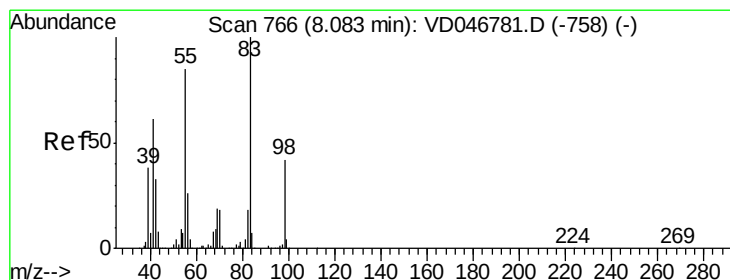
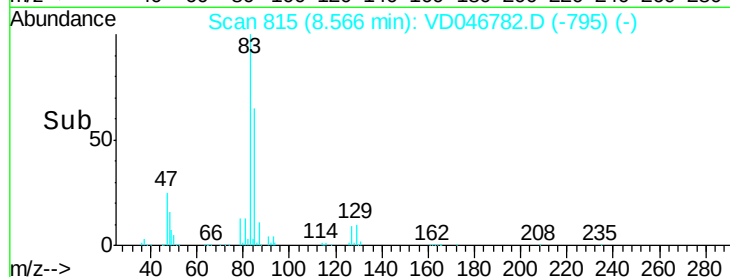
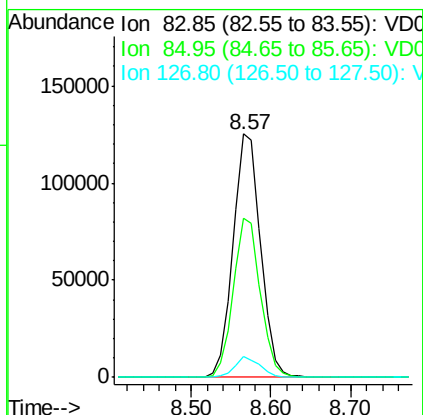
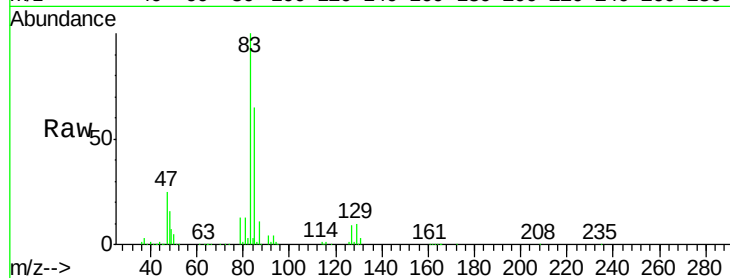
Tot Ion: 83 Resp: 301210

Ion Ratio Lower Upper

83 100

85 65.1 52.6 78.8

127 8.7 5.7 8.5#



#48

Methyl methacrylate

Concen: 101.04 ug/l

RT: 8.08 min Scan# 766

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

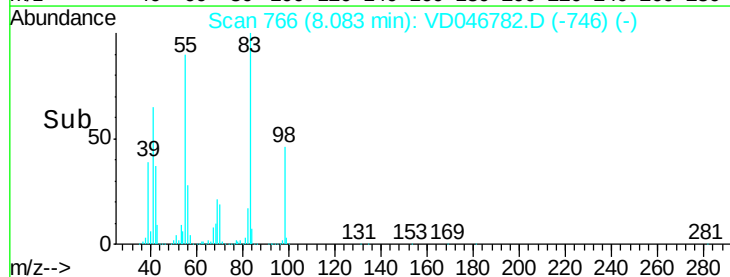
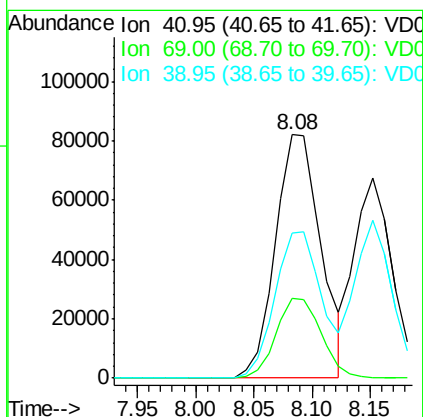
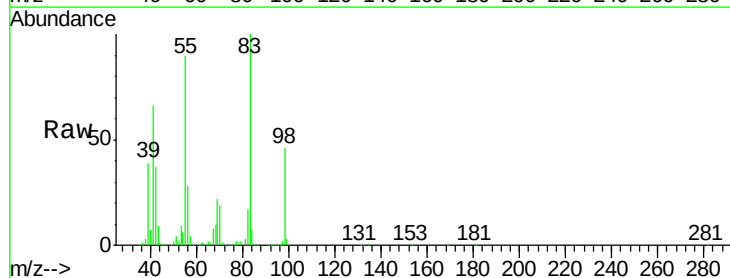
Tgt Ion: 41 Resp: 222633

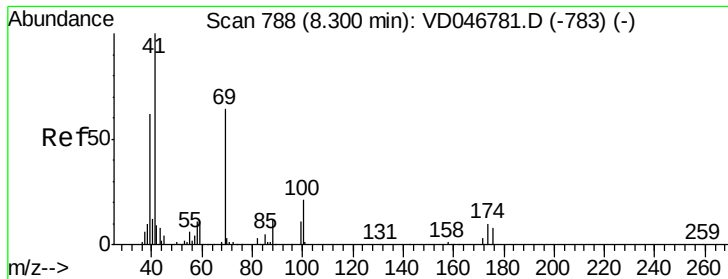
Ion Ratio Lower Upper

41 100

69 32.9 25.3 37.9

39 59.8 47.4 71.0





#49

1,4-Dioxane

Concen: 2133.03 ug/l

RT: 8.30 min Scan# 788

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

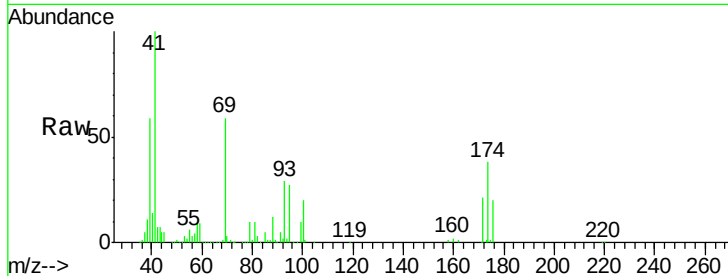
Tot Ion: 88 Resp: 16236

Ion Ratio Lower Upper

88 100

43 60.8 50.0 75.0

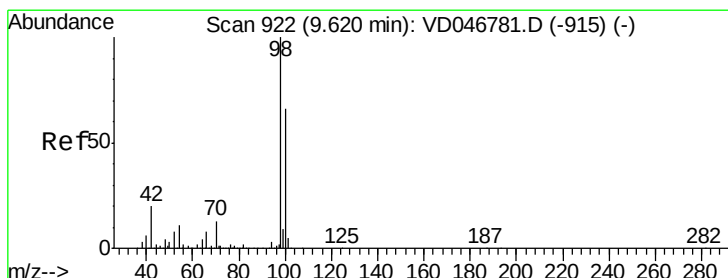
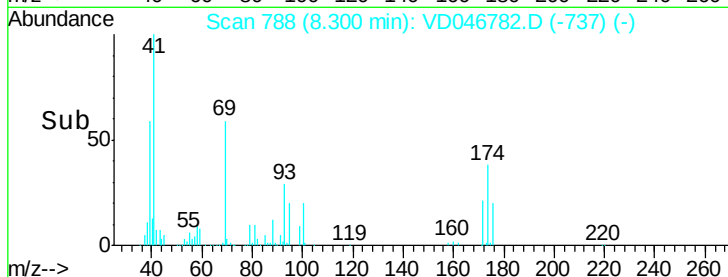
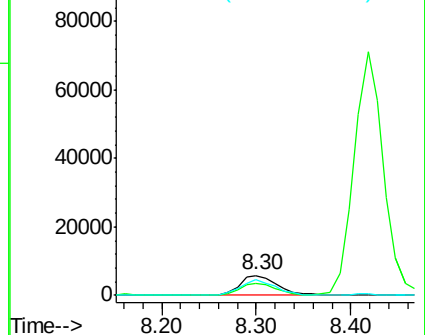
58 78.5 48.3 72.5#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 2133.03 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD046782.D

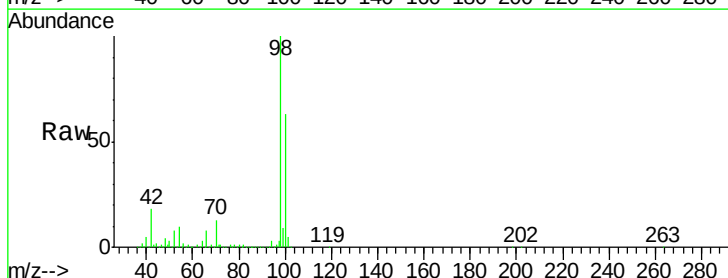
Acq: 18 Sep 2015 13:41

Tgt Ion: 98 Resp: 729684

Ion Ratio Lower Upper

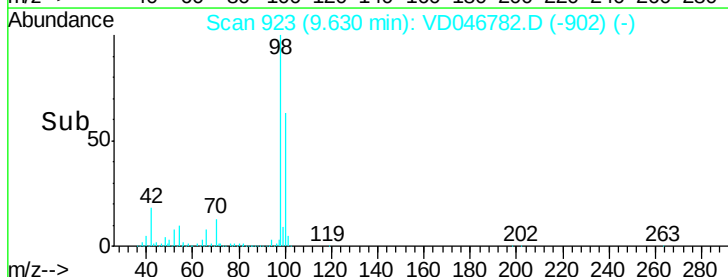
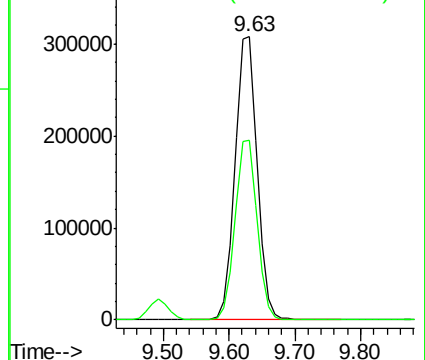
98 100

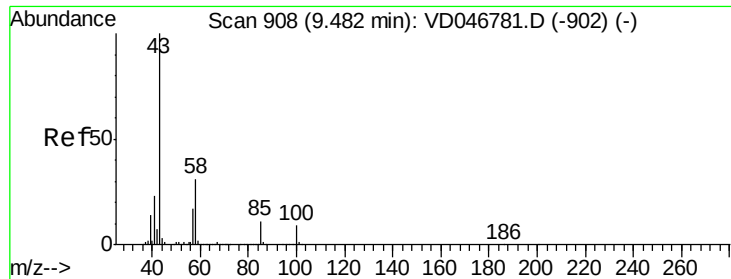
100 63.5 49.9 74.9



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: 539.45 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

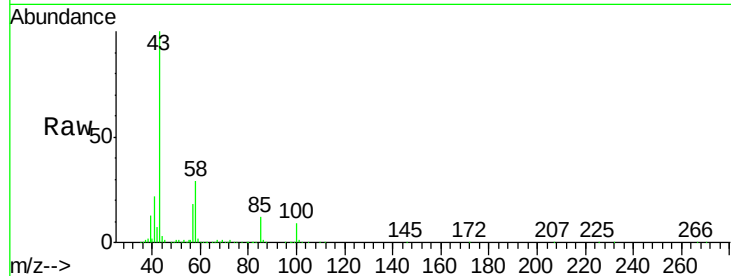
VSTDIC100

Tot Ion: 43 Resp: 544376

Ion Ratio Lower Upper

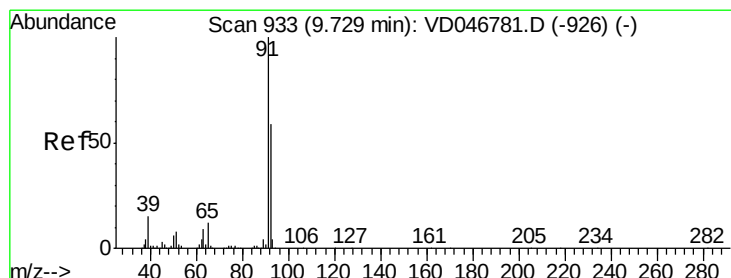
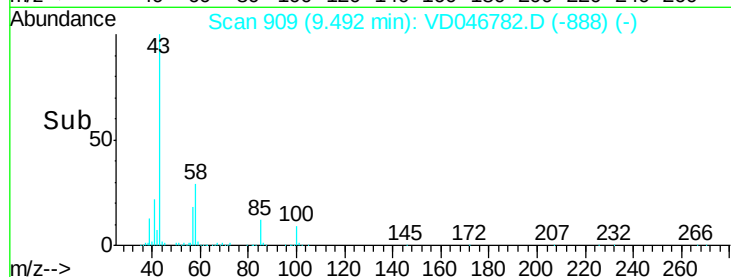
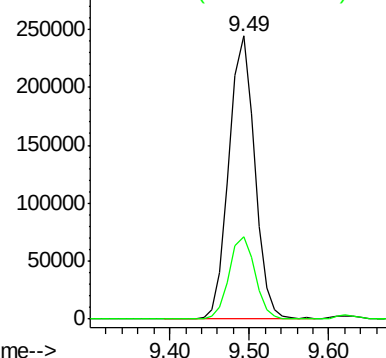
43 100

58 29.2 22.2 33.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 100.09 ug/l

RT: 9.73 min Scan# 933

Delta R.T. 0.00 min

Lab File: VD046782.D

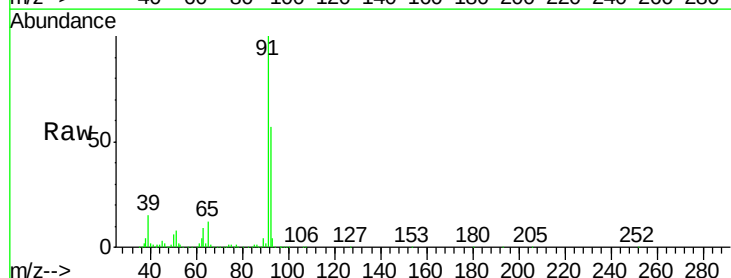
Acq: 18 Sep 2015 13:41

Tgt Ion: 92 Resp: 522020

Ion Ratio Lower Upper

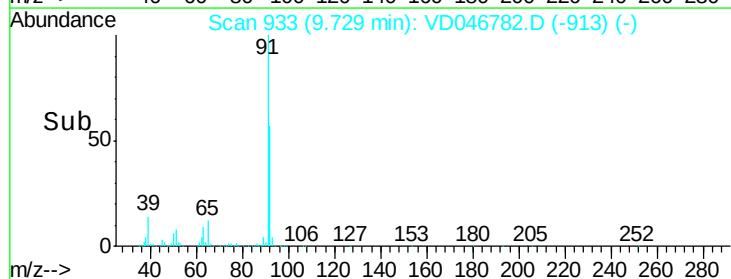
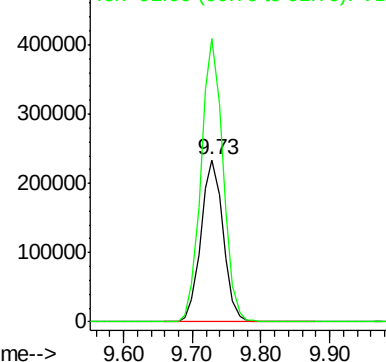
92 100

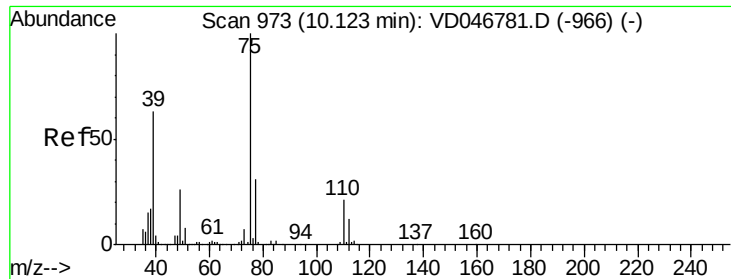
91 174.6 139.4 209.0



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: 110.72 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

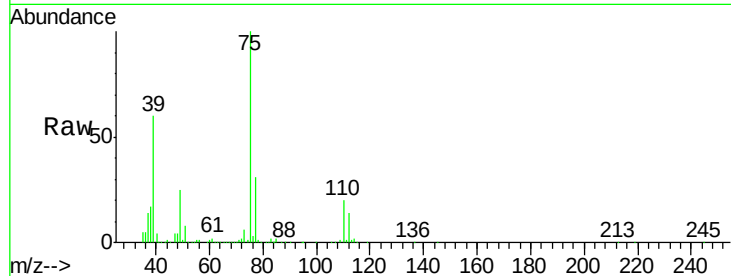
VSTDIC100

Tot Ion: 75 Resp: 249986

Ion Ratio Lower Upper

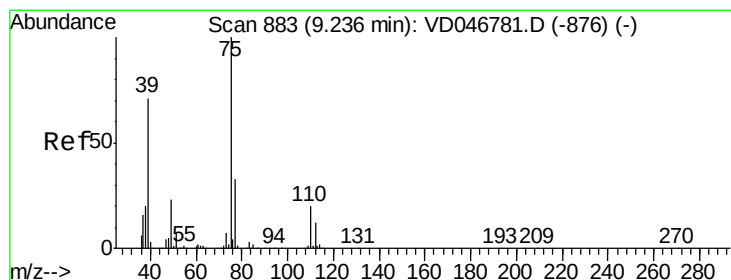
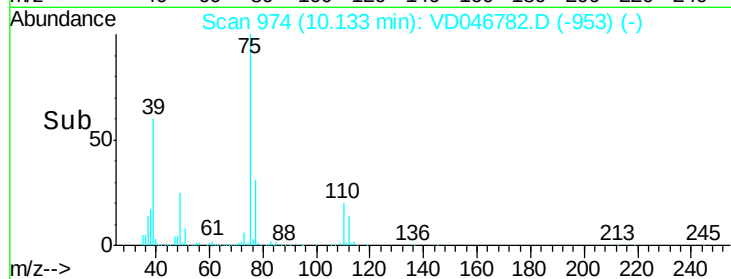
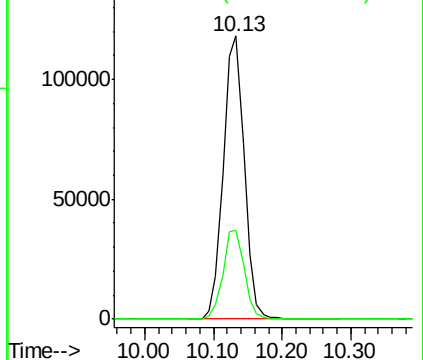
75 100

77 31.3 27.6 41.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 105.35 ug/l

RT: 9.24 min Scan# 883

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

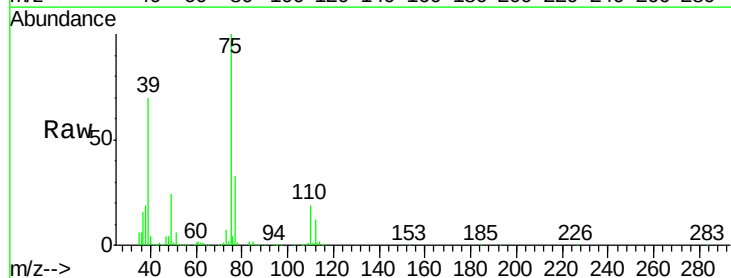
Tgt Ion: 75 Resp: 311069

Ion Ratio Lower Upper

75 100

77 32.5 23.8 35.6

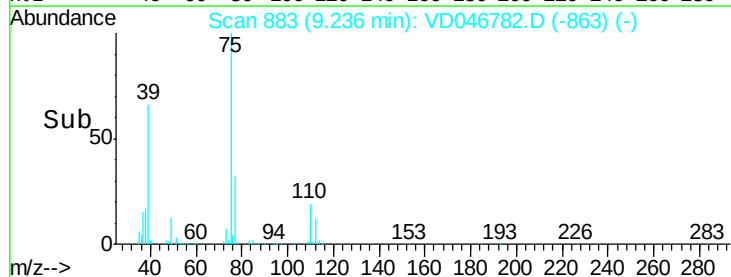
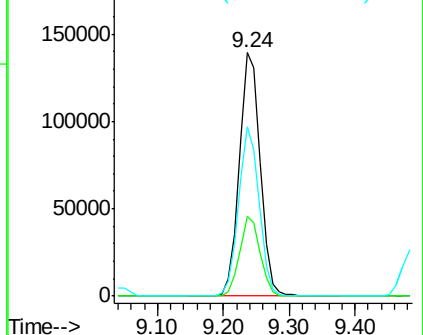
39 69.7 53.0 79.6

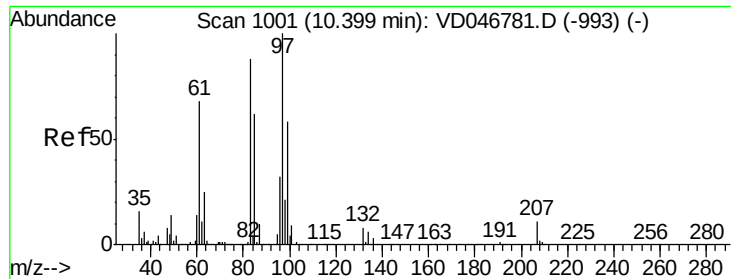


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

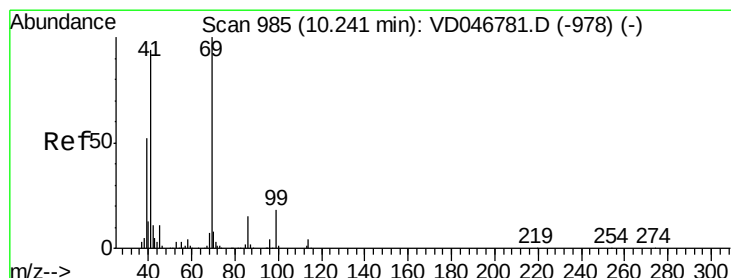
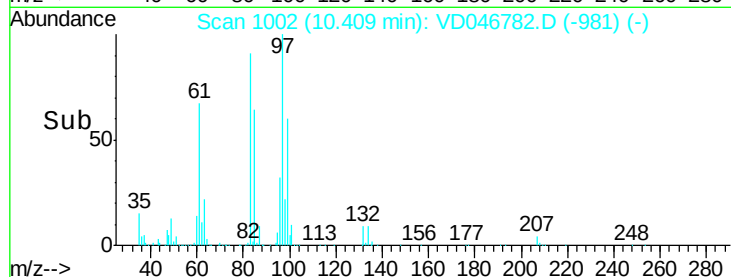
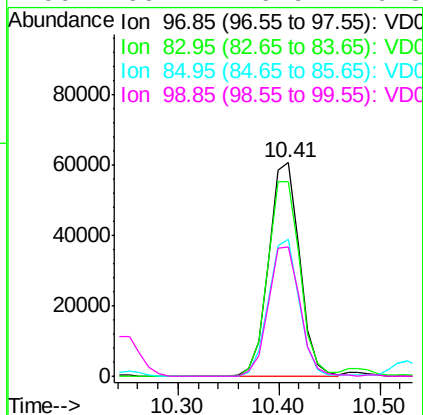
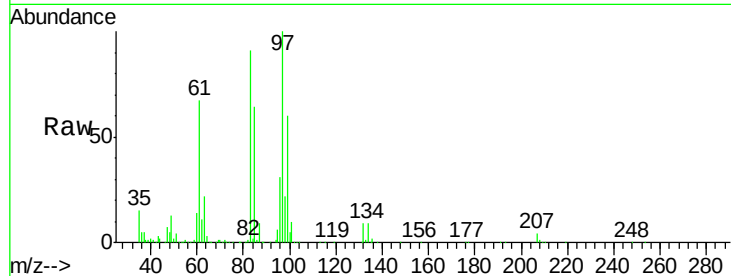




#55
 1,1,2-Trichloroethane
 Concen: 99.33 ug/l
 RT: 10.41 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

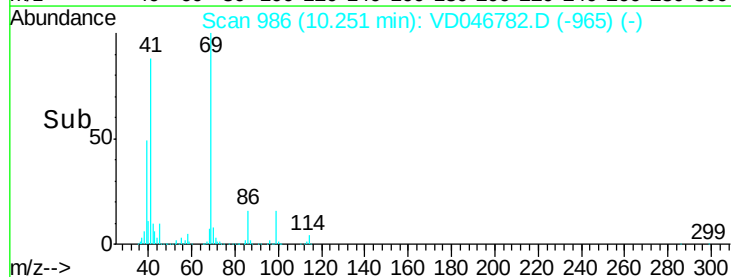
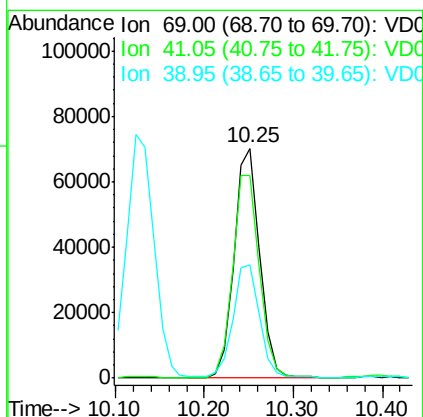
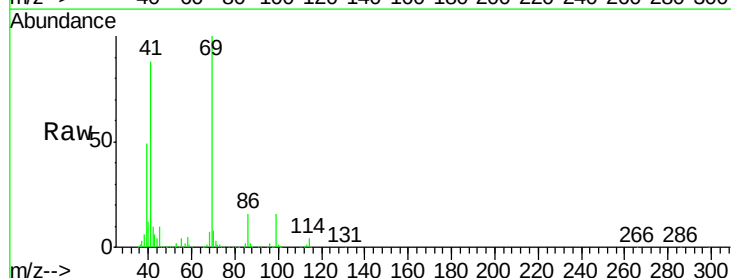
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

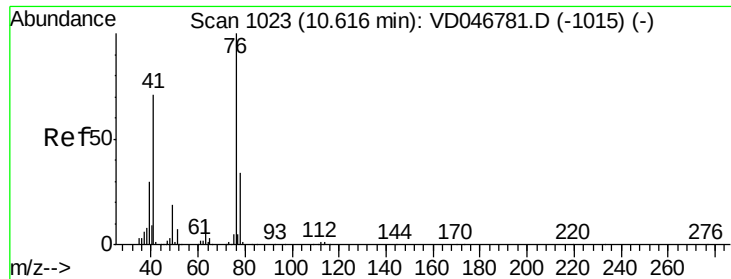
Tot Ion: 97 Resp: 128884
 Ion Ratio Lower Upper
 97 100
 83 90.9 75.3 112.9
 85 64.0 50.9 76.3
 99 60.4 46.9 70.3



#56
 Ethyl methacrylate
 Concen: 120.57 ug/l
 RT: 10.25 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 69 Resp: 141459
 Ion Ratio Lower Upper
 69 100
 41 87.8 75.4 113.0
 39 49.3 41.0 61.4

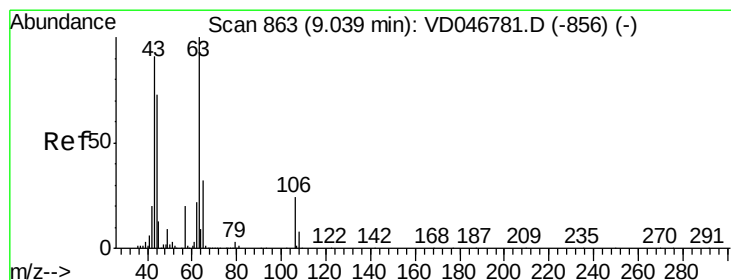
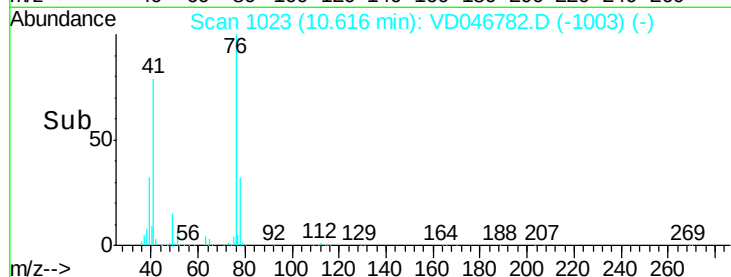
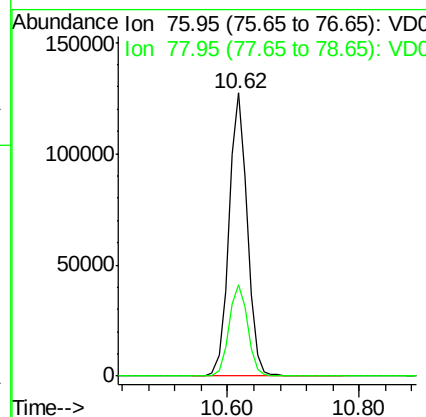
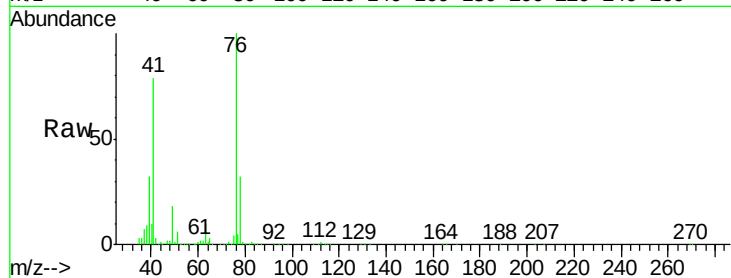




#57
 1,3-Dichloropropane
 Concen: 100.79 ug/l
 RT: 10.62 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

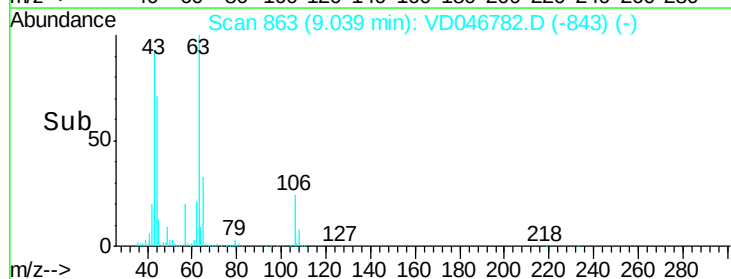
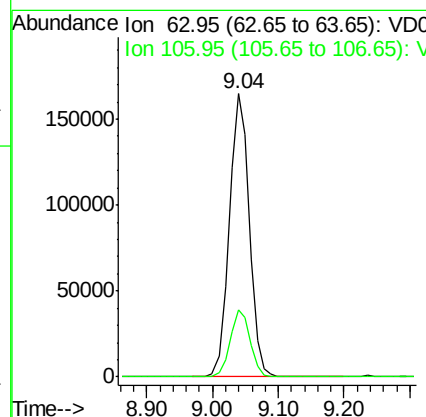
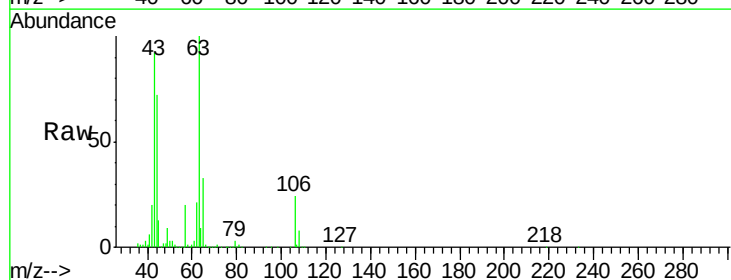
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

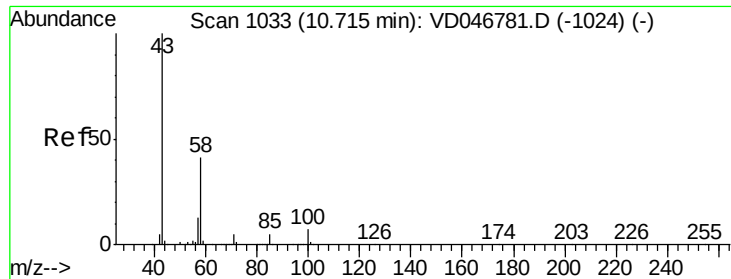
Tot Ion: 76 Resp: 246471
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 574.04 ug/l
 RT: 9.04 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 63 Resp: 350204
 Ion Ratio Lower Upper
 63 100
 106 23.6 17.8 26.8

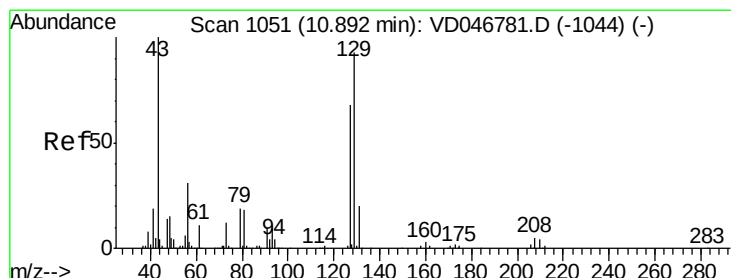
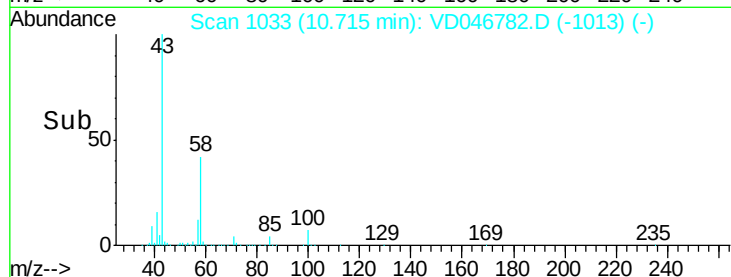
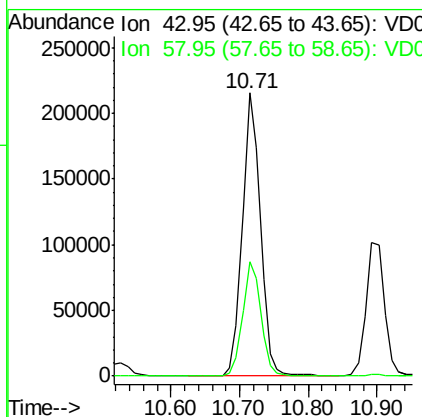
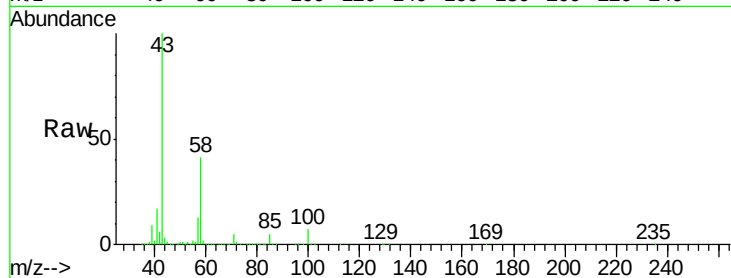




#59
2-Hexanone
Concen: 546.69 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

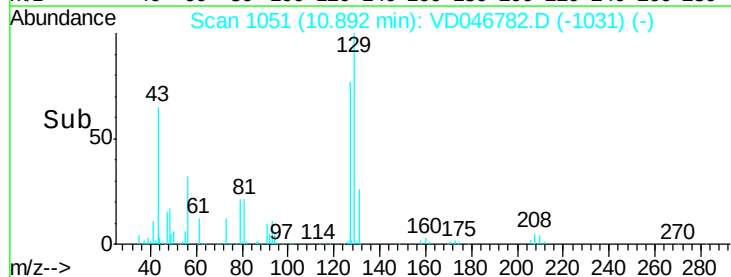
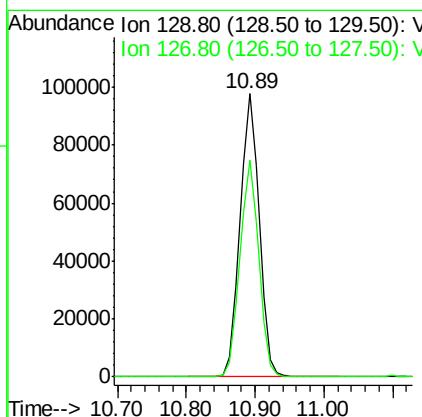
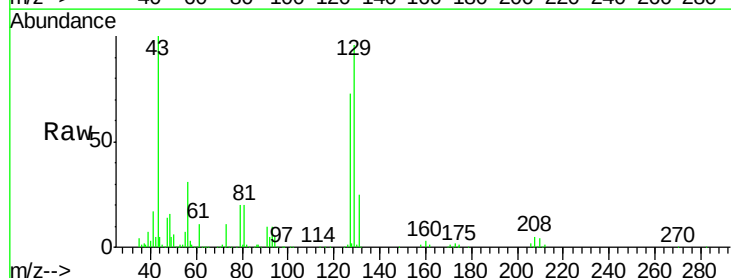
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

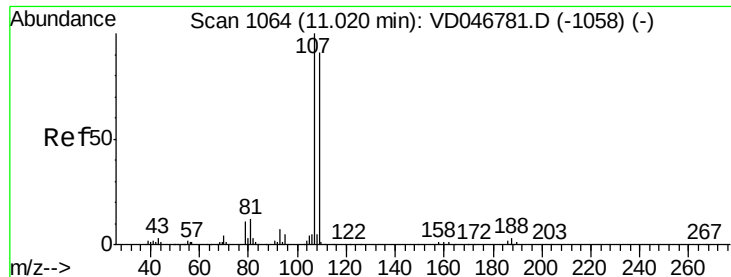
Tot Ion: 43 Resp: 393147
Ion Ratio Lower Upper
43 100
58 40.5 18.6 55.8



#60
Dibromochloromethane
Concen: 105.41 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion: 129 Resp: 188770
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6

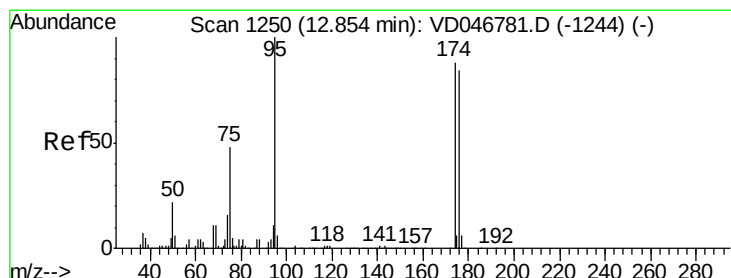
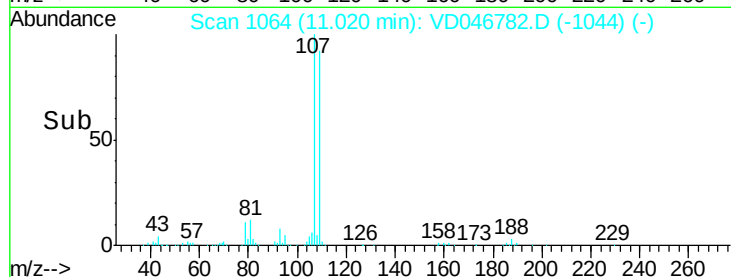
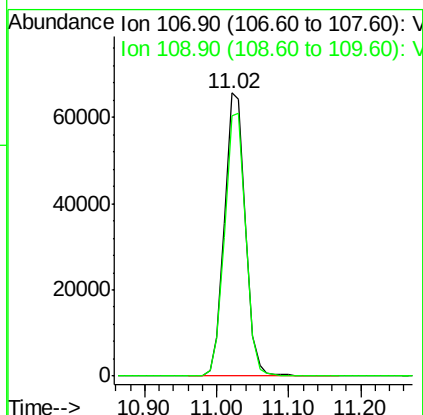
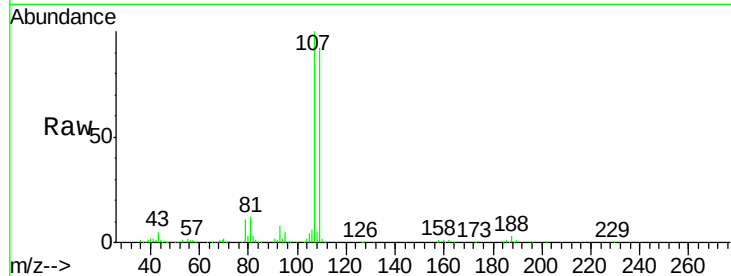




#61
 1,2-Dibromoethane
 Concen: 103.17 ug/l
 RT: 11.02 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

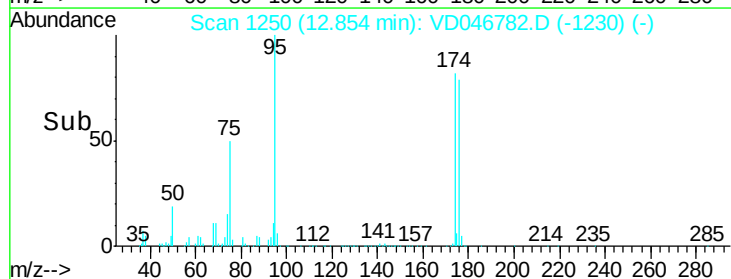
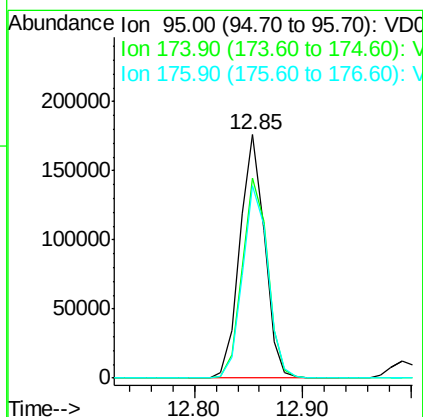
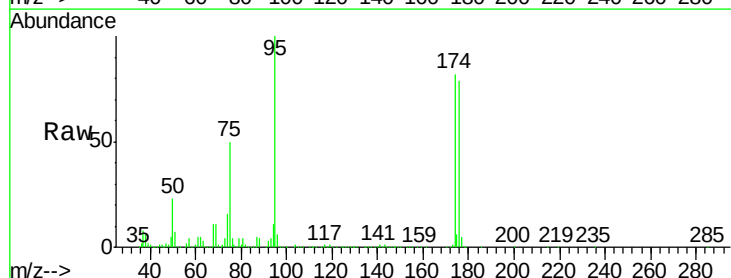
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

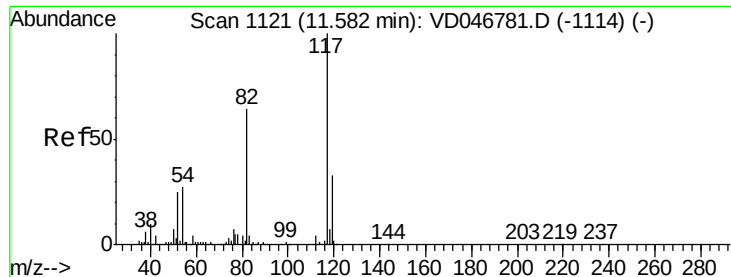
Tot Ion:107 Resp: 131657
 Ion Ratio Lower Upper
 107 100
 109 92.1 71.4 107.0



#62
 4-Bromofluorobenzene
 Concen: 103.17 ug/l
 RT: 12.85 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 95 Resp: 279230
 Ion Ratio Lower Upper
 95 100
 174 82.1 0.0 149.8
 176 78.9 0.0 143.4

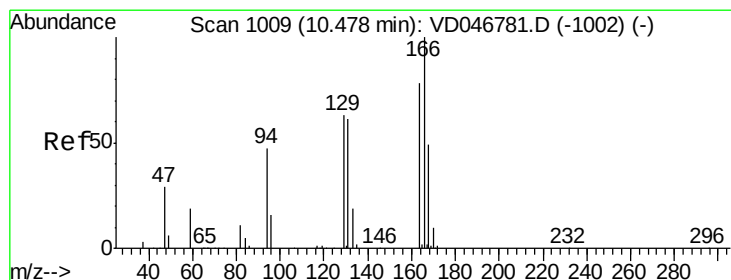
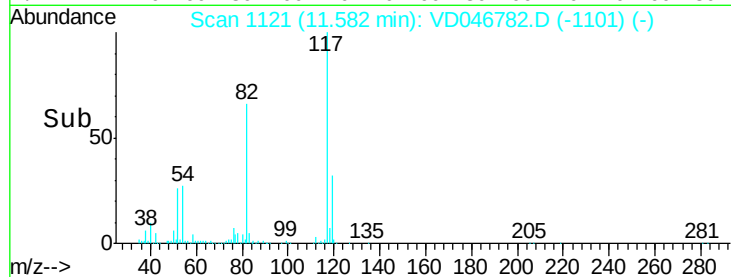
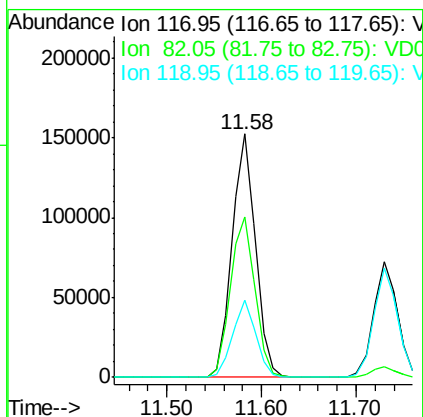
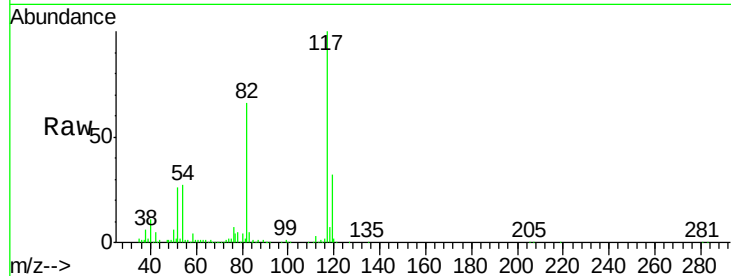




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

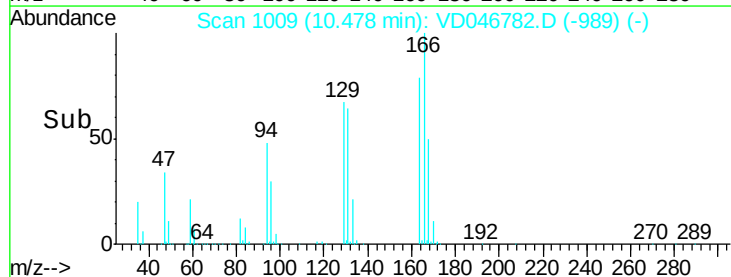
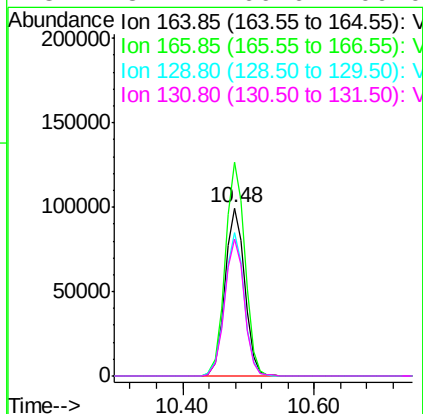
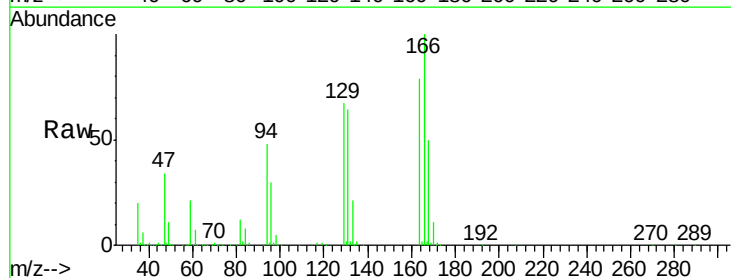
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

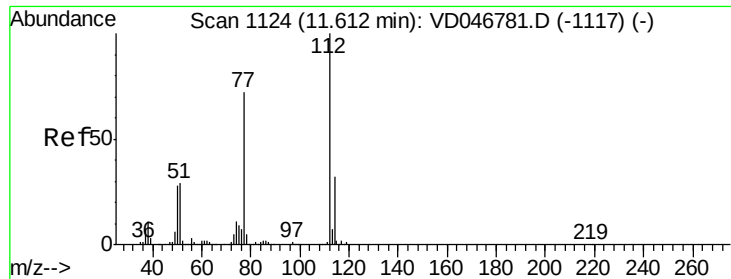
Tot Ion:117 Resp: 261413
Ion Ratio Lower Upper
117 100
82 66.1 50.6 75.8
119 31.6 25.8 38.8



#64
Tetrachloroethene
Concen: 94.49 ug/l
RT: 10.48 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion:164 Resp: 209059
Ion Ratio Lower Upper
164 100
166 127.0 106.8 160.2
129 85.3 70.6 106.0
131 81.7 66.6 100.0

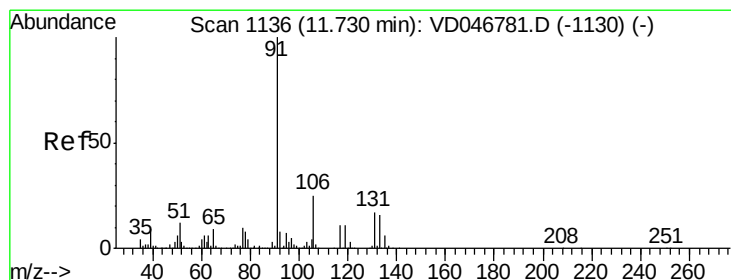
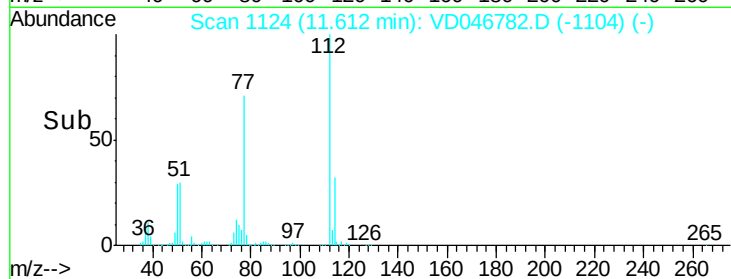
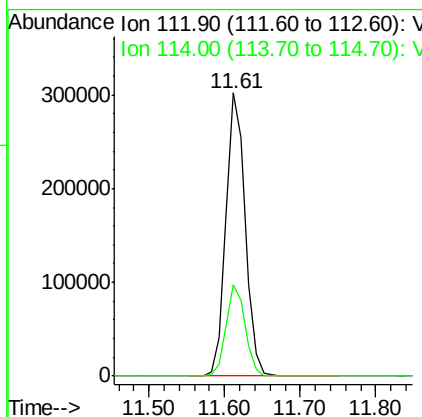
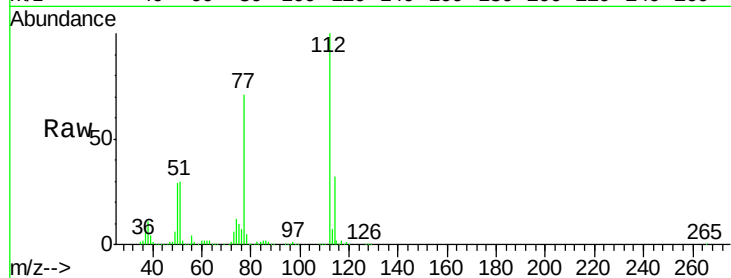




#65
Chlorobenzene
Concen: 94.32 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

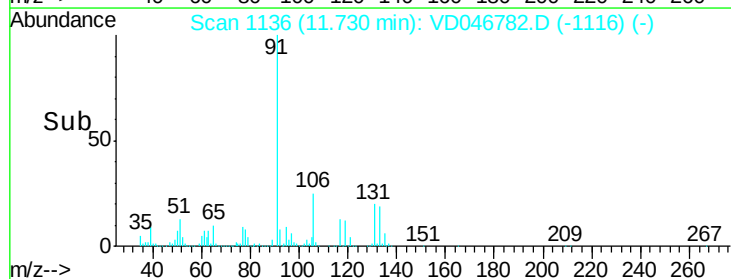
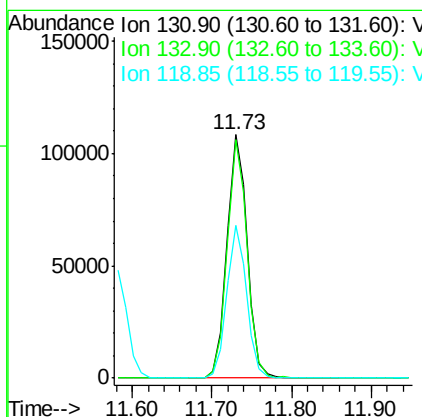
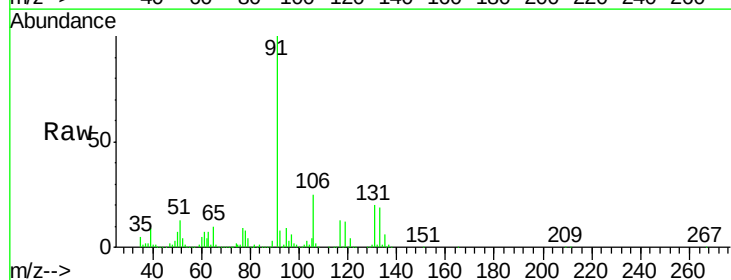
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

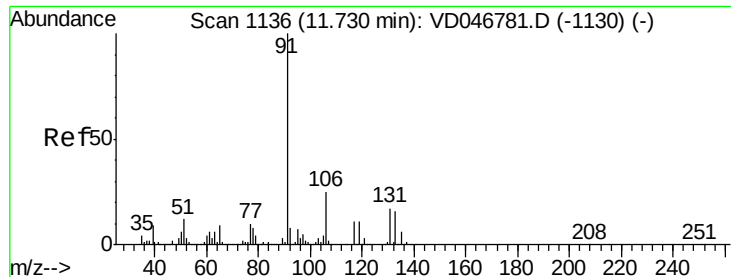
Tot Ion:112 Resp: 531896
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 92.48 ug/l
RT: 11.73 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion:131 Resp: 194056
Ion Ratio Lower Upper
131 100
133 97.8 48.4 145.0
119 63.0 31.5 94.5





#67

Ethyl Benzene

Concen: 98.04 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

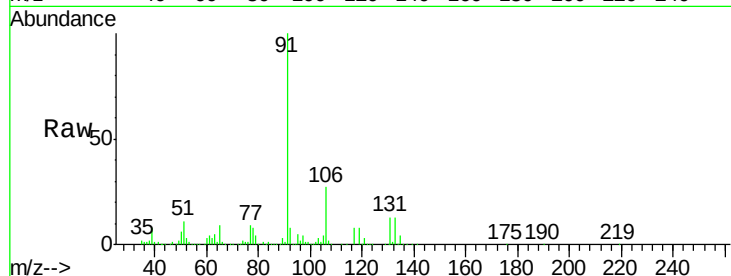
VSTDIC100

Tot Ion: 91 Resp: 1115575

Ion Ratio Lower Upper

91 100

106 26.8 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC

800000

600000

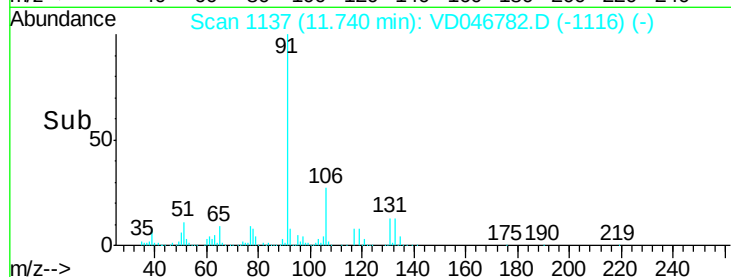
400000

200000

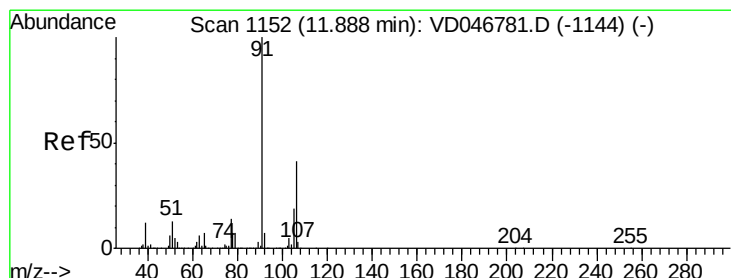
0

11.60 11.70 11.80

11.74



Time-->



#68

m/p-Xylenes

Concen: 195.50 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VD046782.D

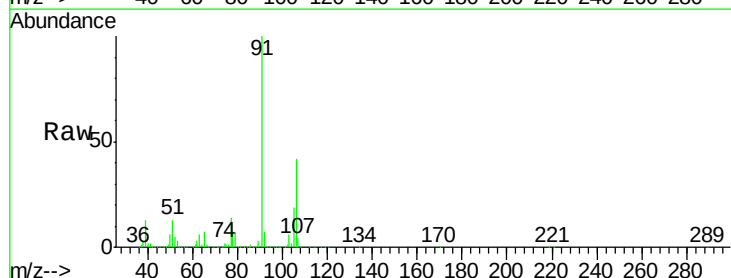
Acq: 18 Sep 2015 13:41

Tgt Ion: 106 Resp: 702331

Ion Ratio Lower Upper

106 100

91 240.4 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

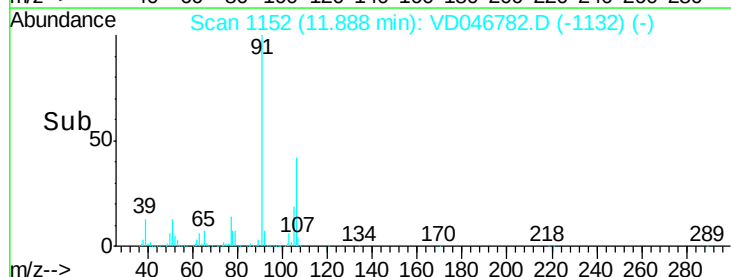
400000

200000

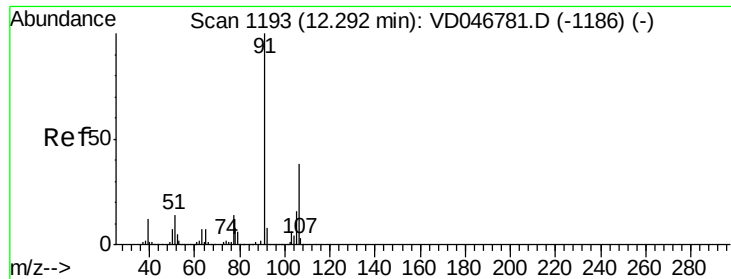
0

11.80 11.90 12.00 12.10

11.89



Time-->



#69

o-Xylene

Concen: 103.93 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

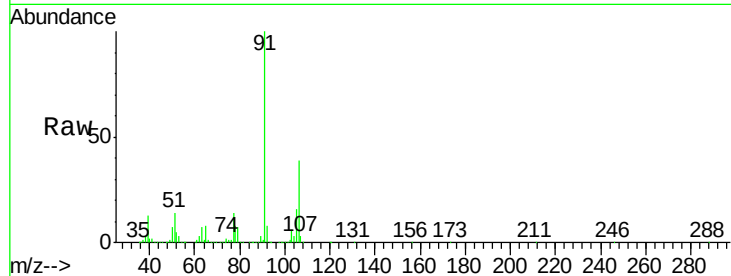
VSTDIC100

Tot Ion:106 Resp: 331359

Ion Ratio Lower Upper

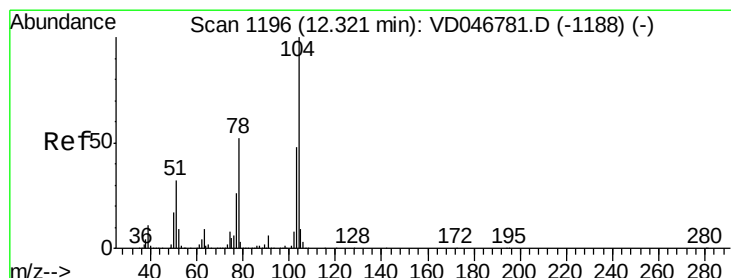
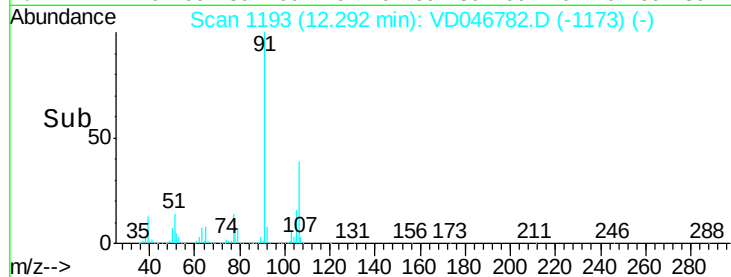
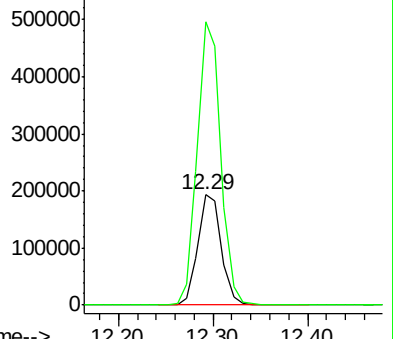
106 100

91 257.2 124.8 374.5



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 102.02 ug/l

RT: 12.32 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

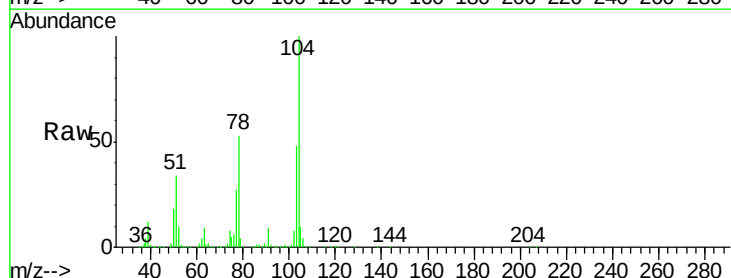
Tgt Ion:104 Resp: 557563

Ion Ratio Lower Upper

104 100

78 52.6 44.5 66.7

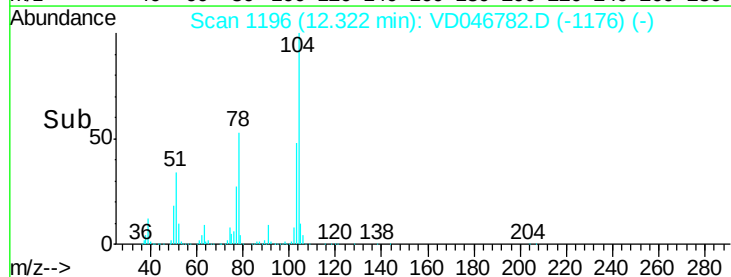
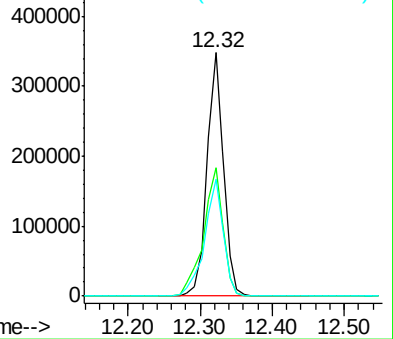
103 47.8 40.3 60.5

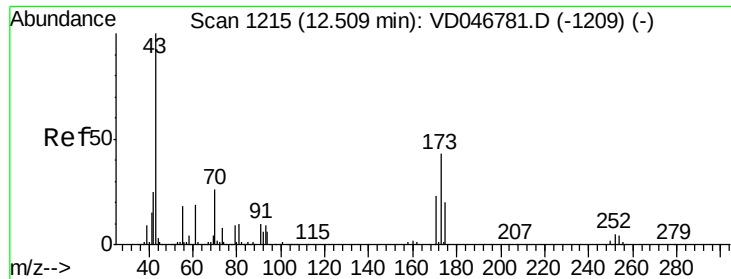


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

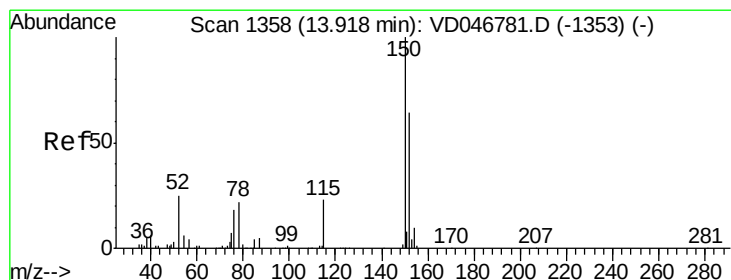
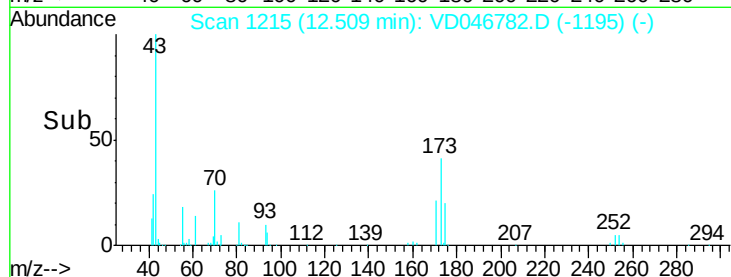
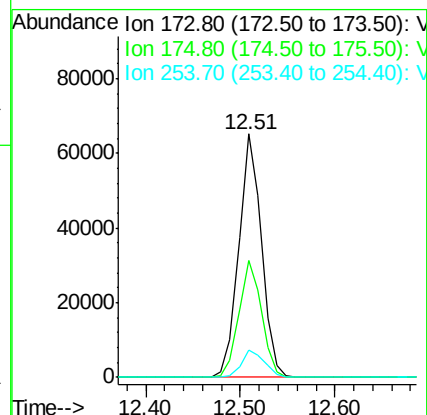
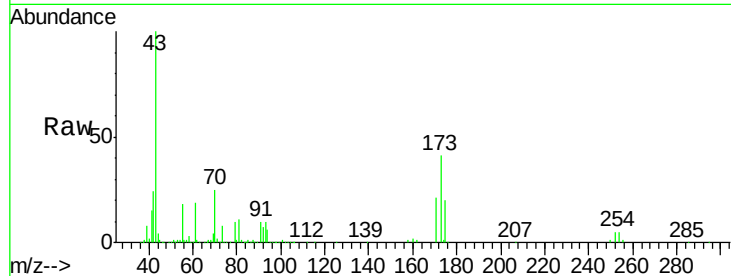




#71
Bromoform
Concen: 101.09 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

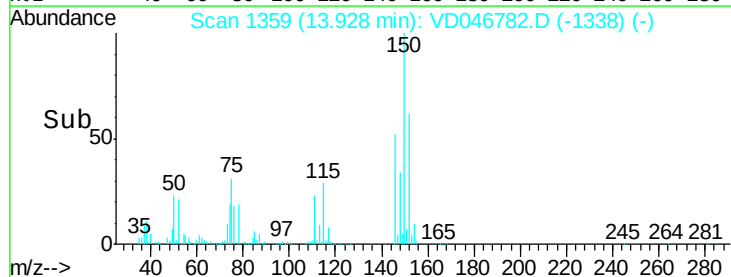
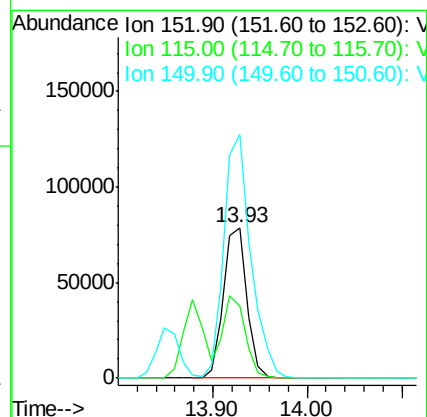
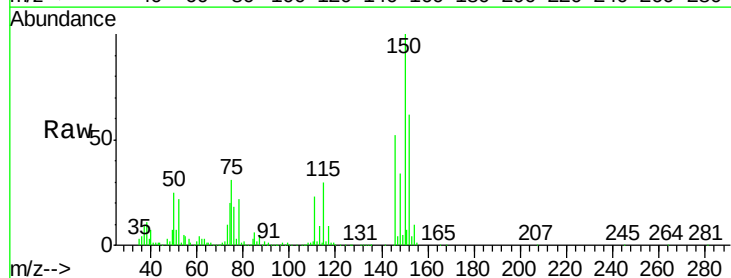
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

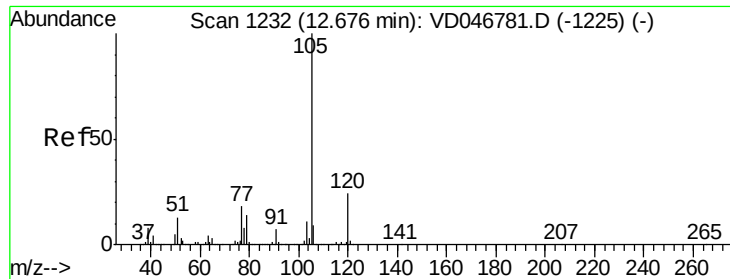
Tot Ion:173 Resp: 108448
Ion Ratio Lower Upper
173 100
175 48.2 23.1 69.3
254 11.2 8.7 13.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.93 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion:152 Resp: 135480
Ion Ratio Lower Upper
152 100
115 48.3 26.2 78.6
150 162.0 0.0 311.8





#73

Isopropylbenzene

Concen: 102.41 ug/l

RT: 12.68 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

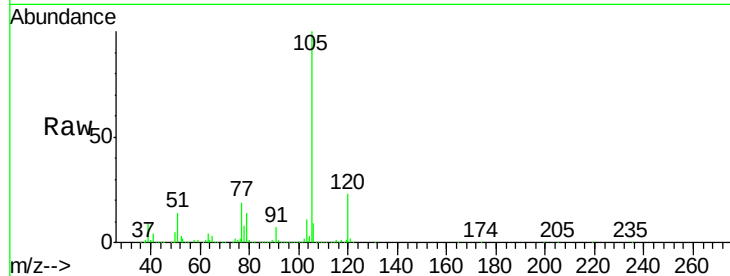
VSTDIC100

Tot Ion:105 Resp: 998718

Ion Ratio Lower Upper

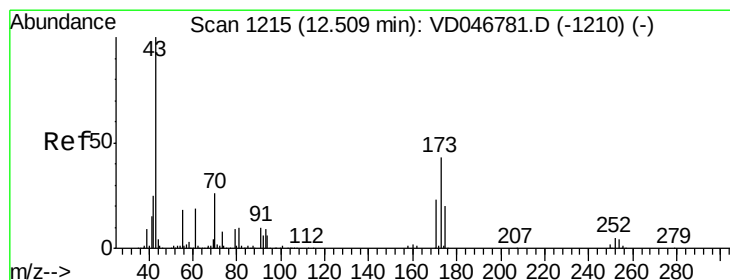
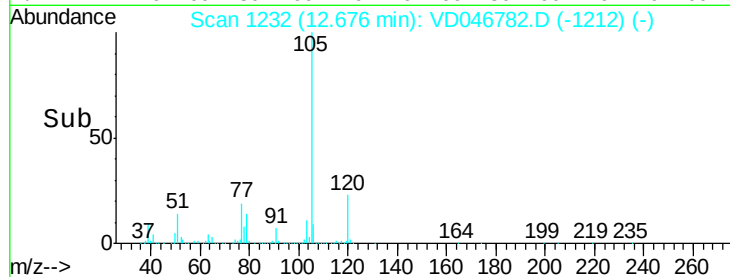
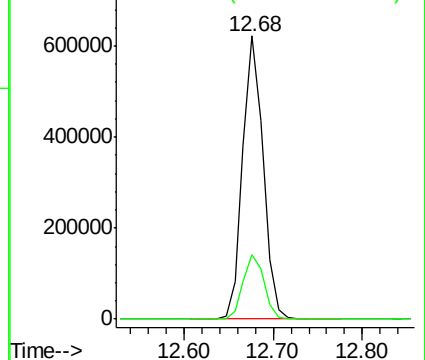
105 100

120 23.0 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 108.48 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion: 43 Resp: 232372

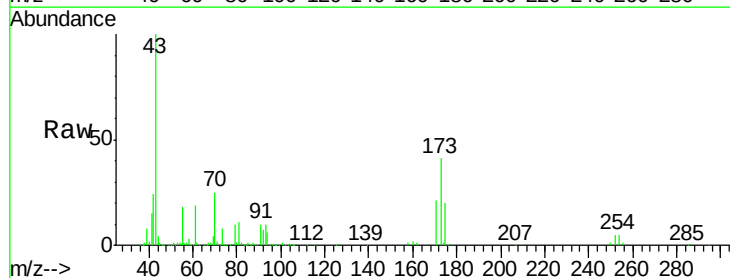
Ion Ratio Lower Upper

43 100

70 25.5 22.1 33.1

55 17.8 14.5 21.7

61 18.6 14.6 21.8

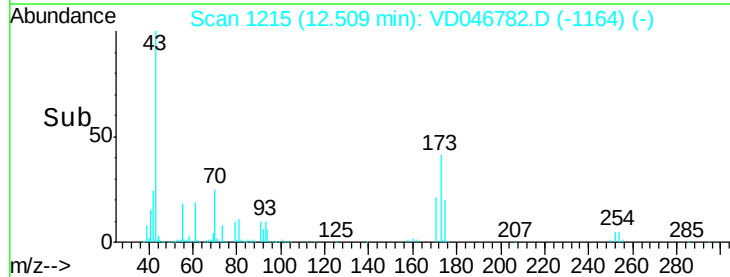
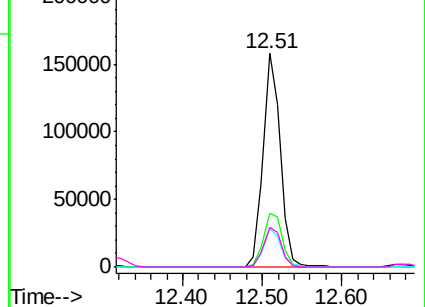


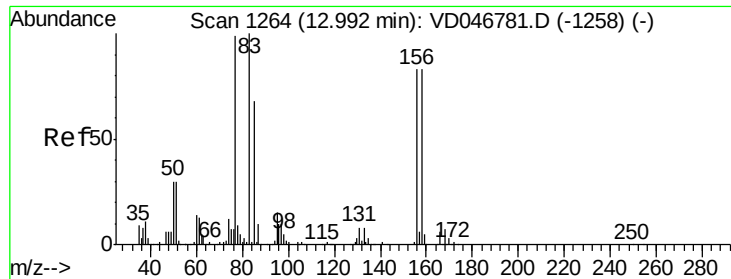
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 96.33 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

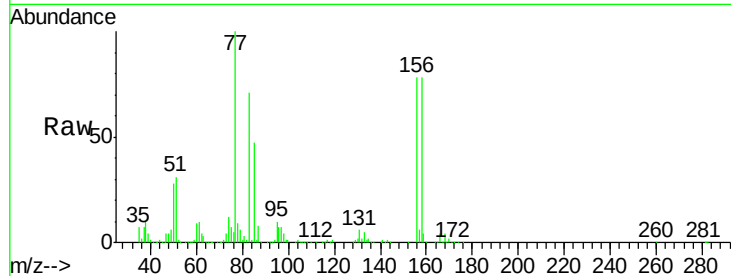
Tot Ion: 83 Resp: 147896

Ion Ratio Lower Upper

83 100

131 8.4 3.9 11.7

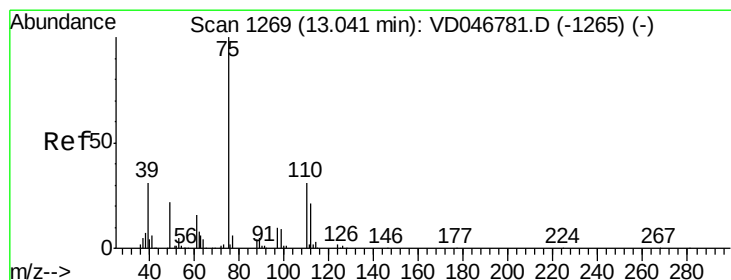
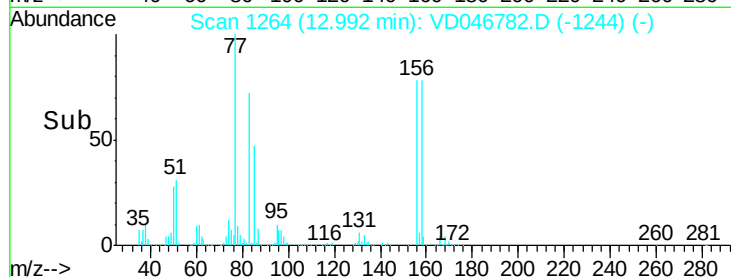
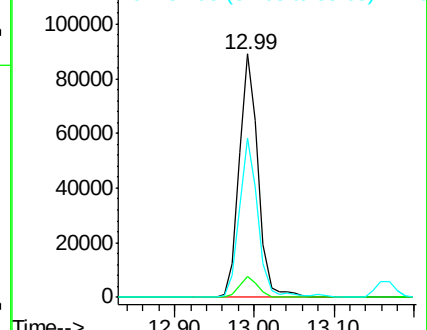
85 65.1 30.5 91.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 101.19 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD046782.D

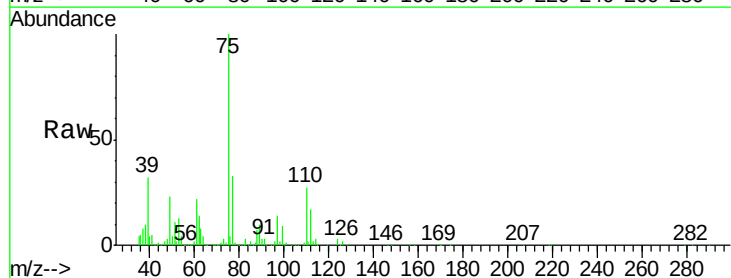
Acq: 18 Sep 2015 13:41

Tgt Ion: 75 Resp: 165370

Ion Ratio Lower Upper

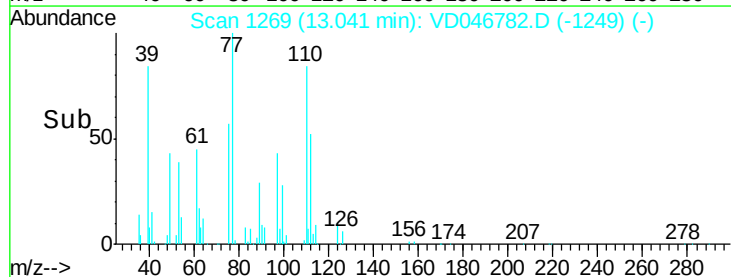
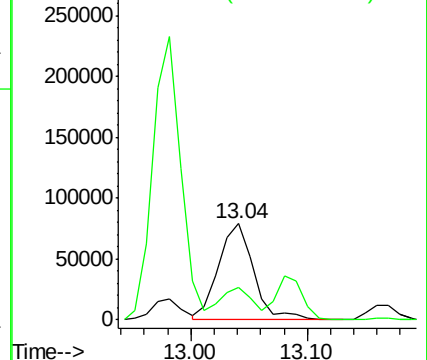
75 100

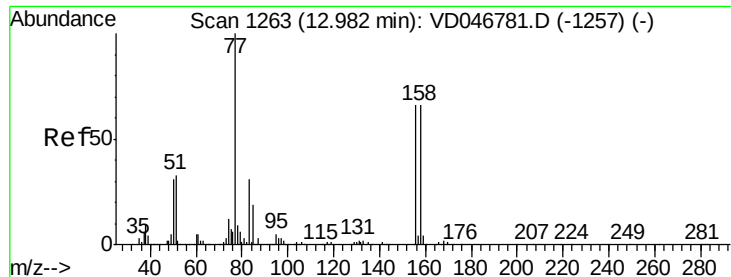
77 33.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 97.25 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

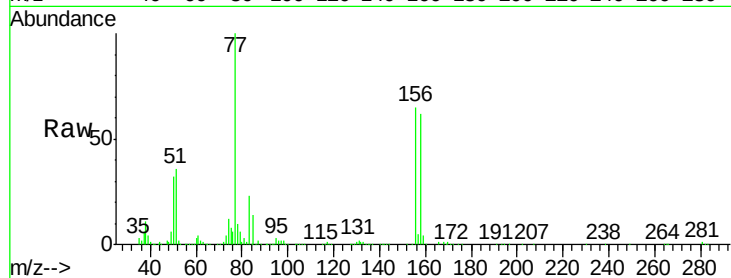
Tot Ion:156 Resp: 240368

Ion Ratio Lower Upper

156 100

77 154.9 70.3 210.8

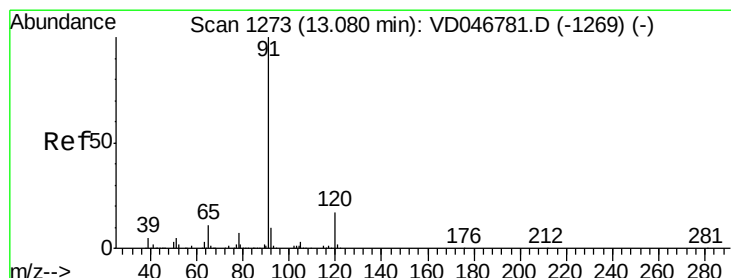
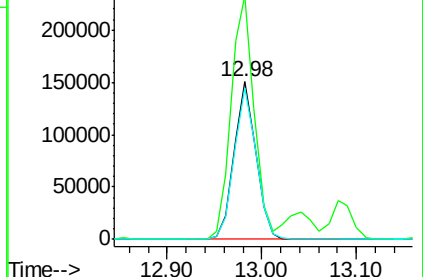
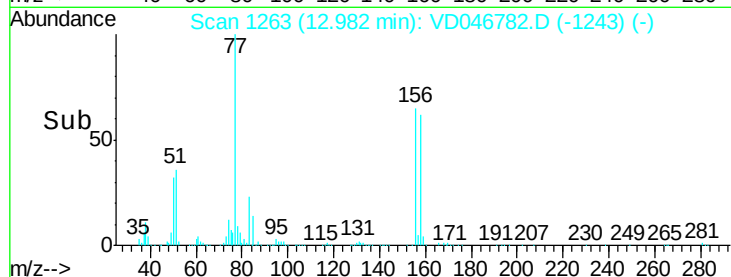
158 96.1 49.0 147.0



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: 100.07 ug/l

RT: 13.08 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD046782.D

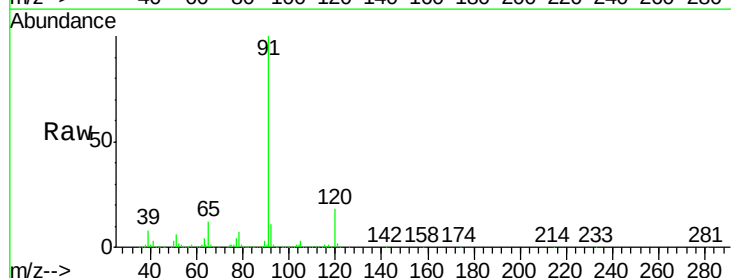
Acq: 18 Sep 2015 13:41

Tgt Ion: 91 Resp: 1370566

Ion Ratio Lower Upper

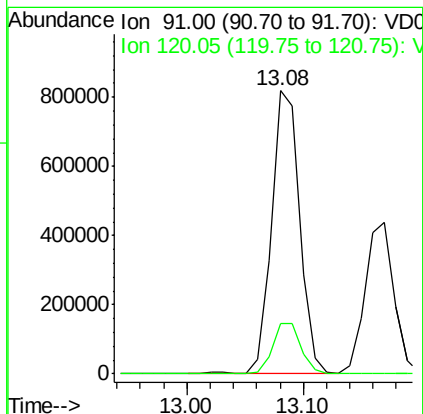
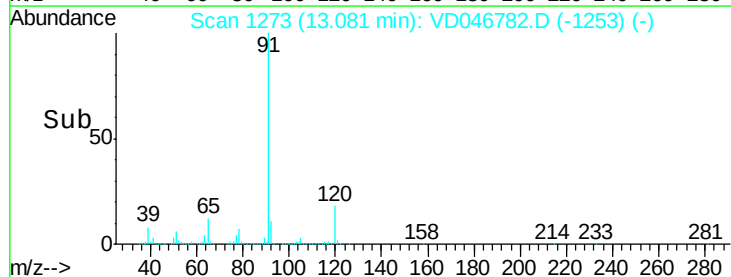
91 100

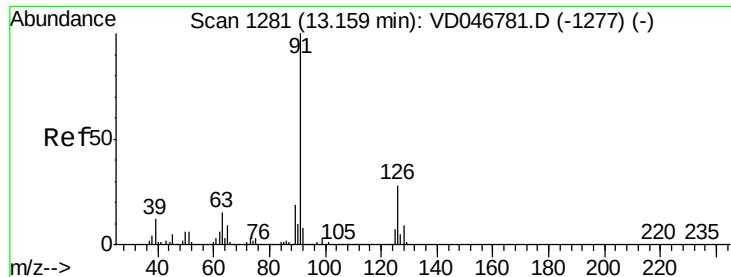
120 17.6 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 97.11 ug/l

RT: 13.17 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

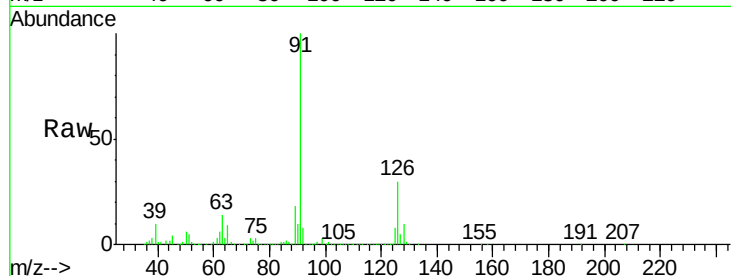
VSTDIC100

Tot Ion: 91 Resp: 744012

Ion Ratio Lower Upper

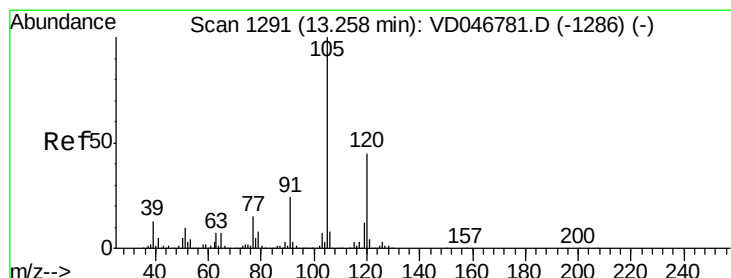
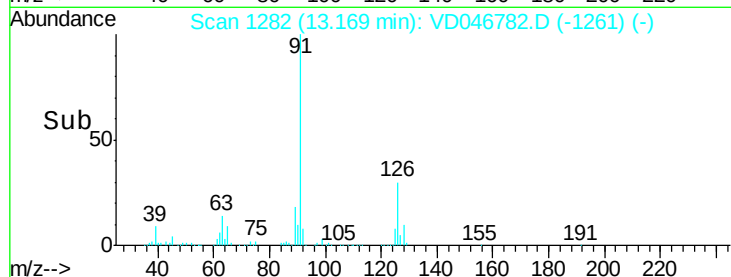
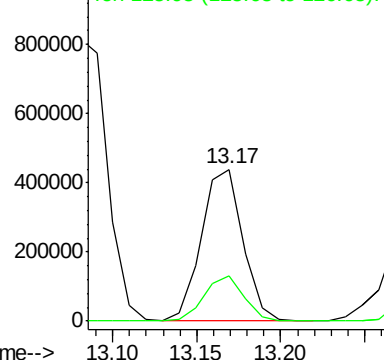
91 100

126 29.6 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 99.37 ug/l

RT: 13.26 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD046782.D

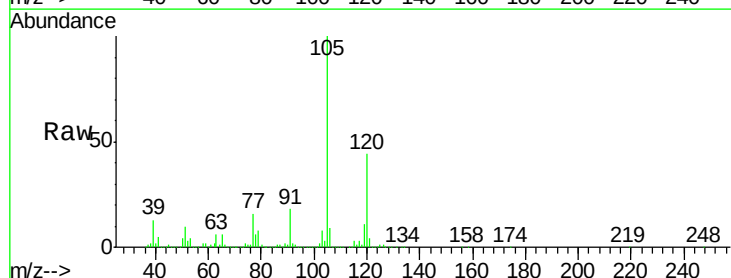
Acq: 18 Sep 2015 13:41

Tgt Ion: 105 Resp: 771242

Ion Ratio Lower Upper

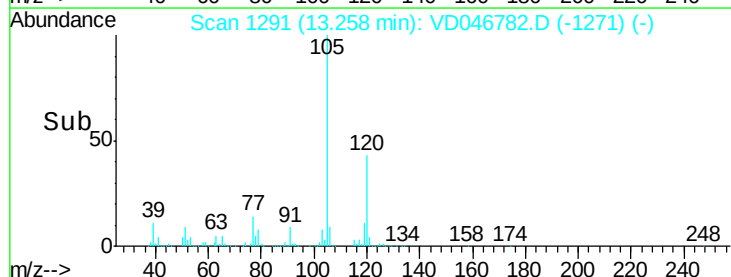
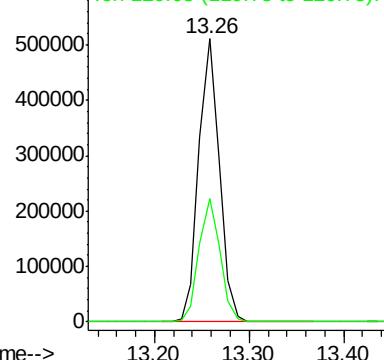
105 100

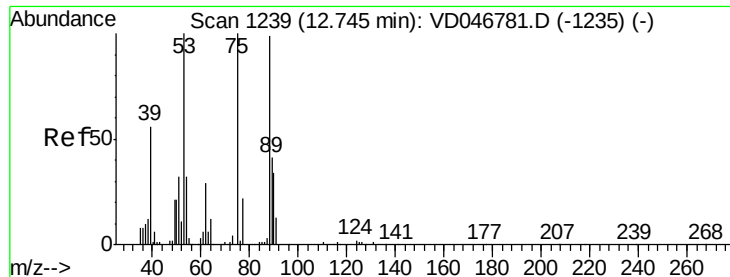
120 43.8 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.96 ug/l

RT: 12.75 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

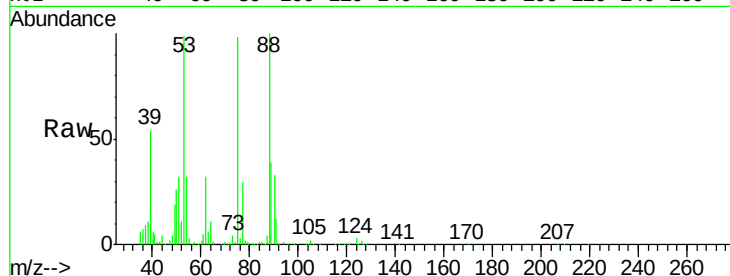
Tot Ion: 75 Resp: 45986

Ion Ratio Lower Upper

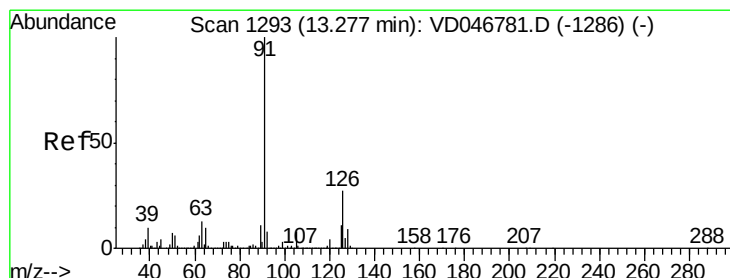
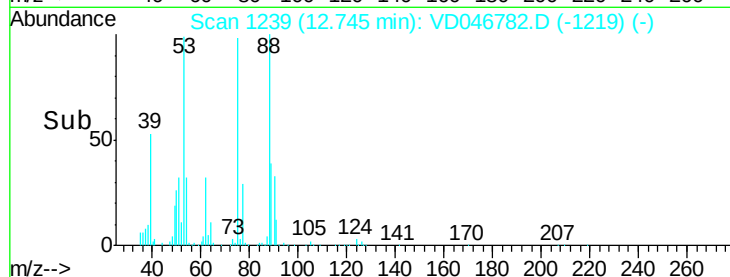
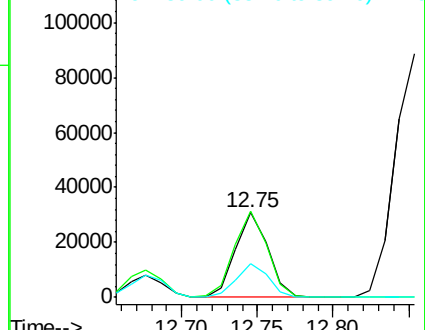
75 100

53 101.6 82.3 123.5

89 40.2 36.6 54.8



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: 96.96 ug/l

RT: 13.28 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VD046782.D

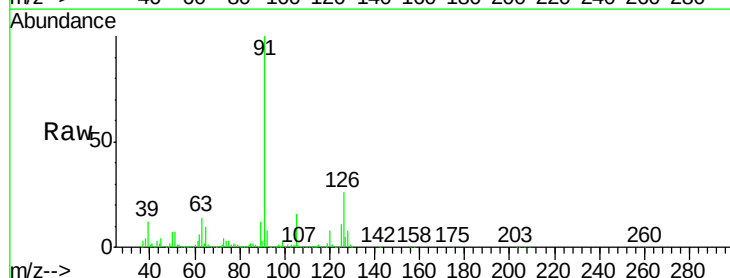
Acq: 18 Sep 2015 13:41

Tgt Ion: 91 Resp: 873431

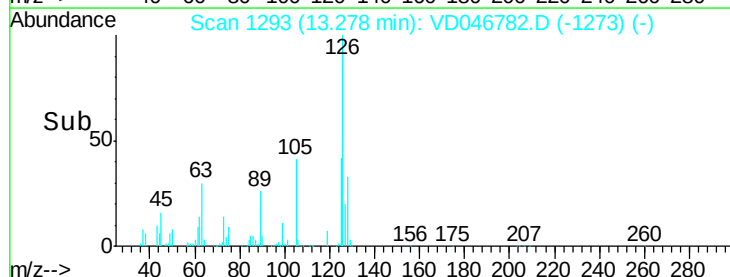
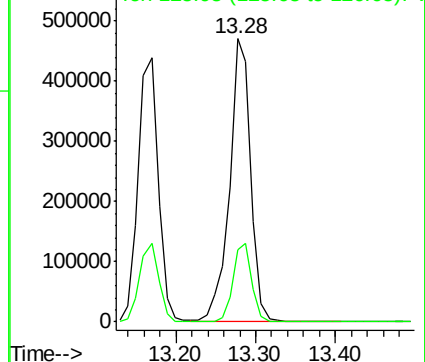
Ion Ratio Lower Upper

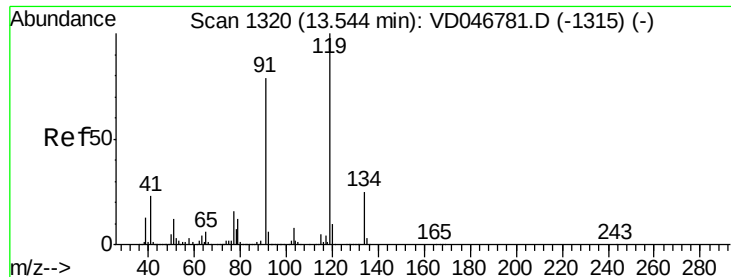
91 100

126 25.6 14.1 42.4



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





#83

tert-Butylbenzene

Concen: 123.17 ug/l

RT: 13.54 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

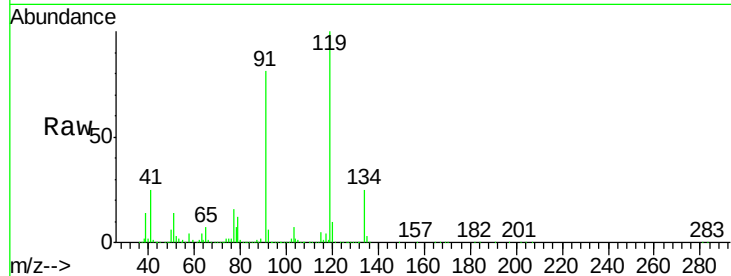
Tot Ion:119 Resp: 843957

Ion Ratio Lower Upper

119 100

91 81.3 41.6 124.9

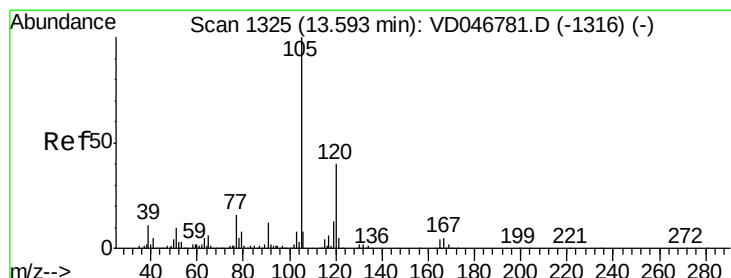
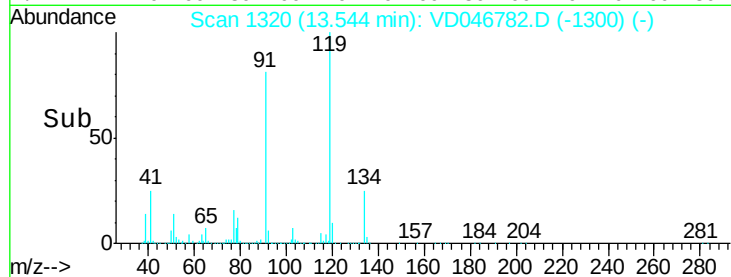
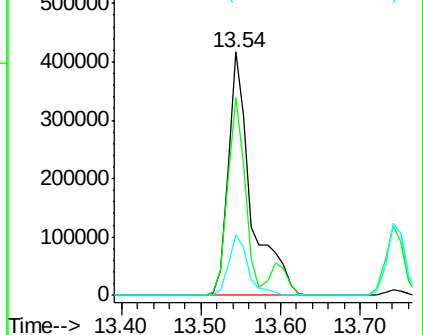
134 24.7 12.4 37.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 96.80 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VD046782.D

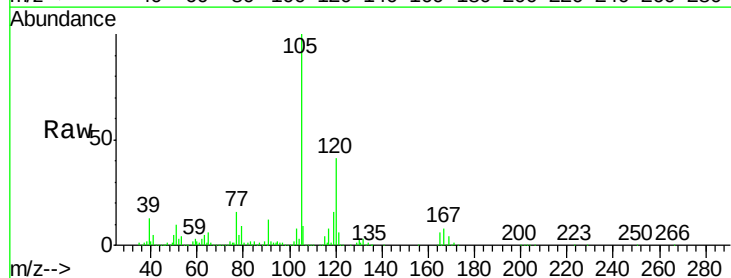
Acq: 18 Sep 2015 13:41

Tgt Ion:105 Resp: 761634

Ion Ratio Lower Upper

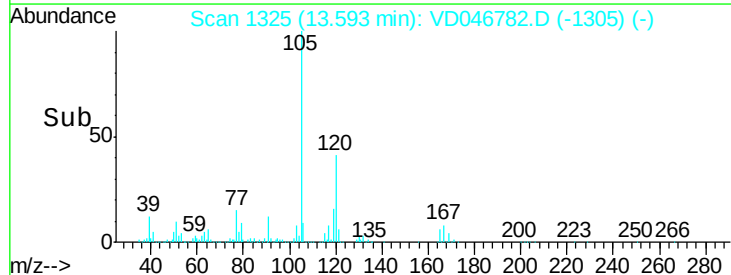
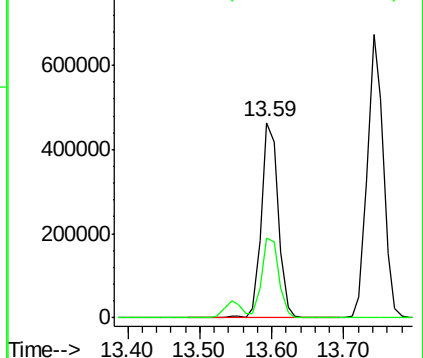
105 100

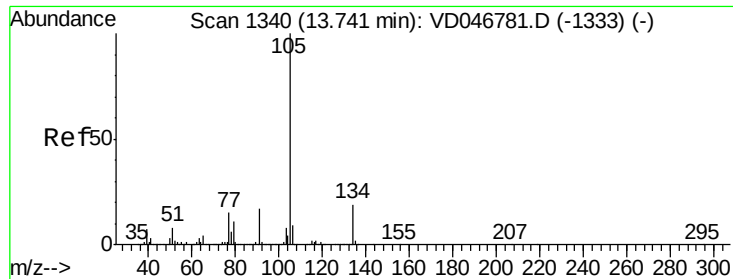
120 41.1 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 101.09 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

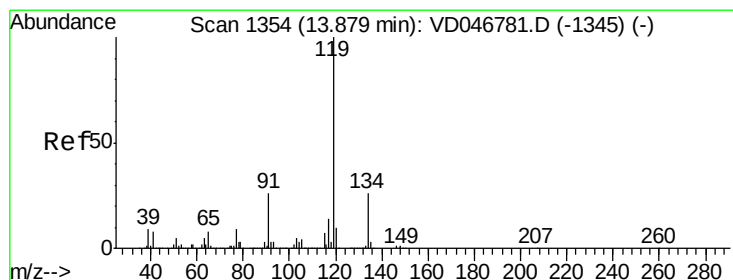
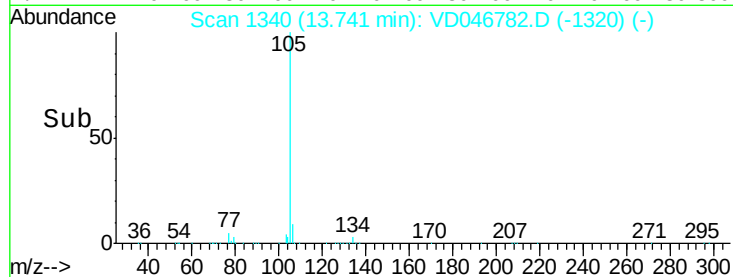
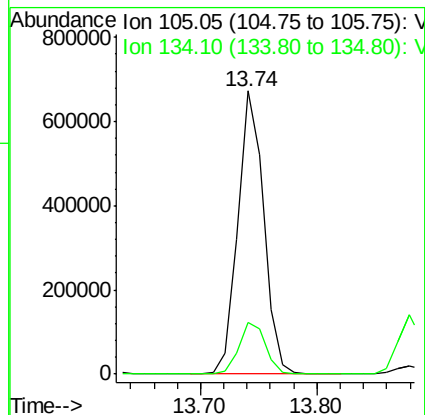
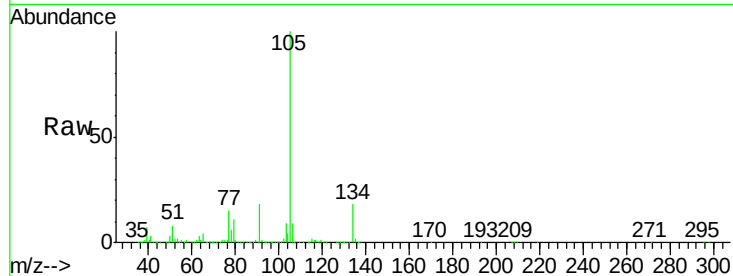
VSTDIC100

Tot Ion:105 Resp: 1033190

Ion Ratio Lower Upper

105 100

134 18.3 10.1 30.3



#86

p-Isopropyltoluene

Concen: 99.93 ug/l

RT: 13.88 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

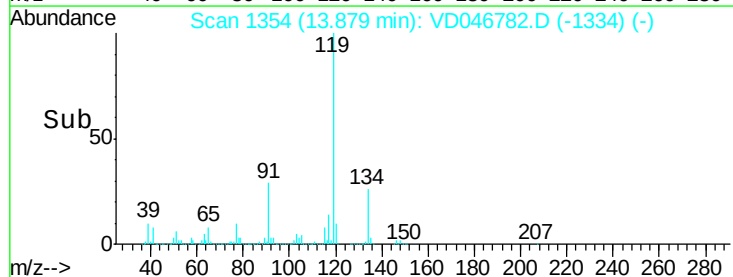
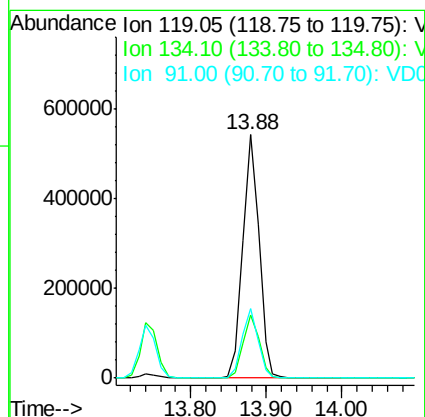
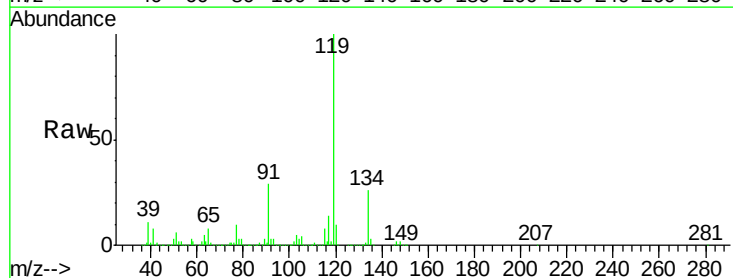
Tgt Ion:119 Resp: 804132

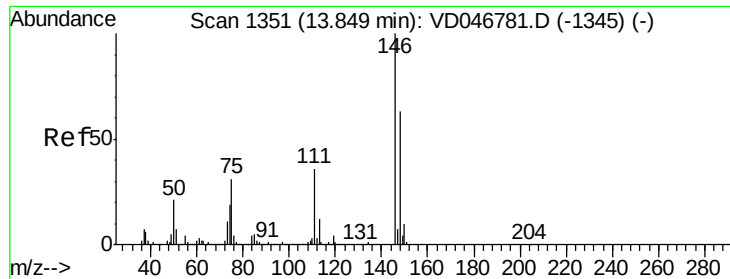
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 28.7 13.8 41.3

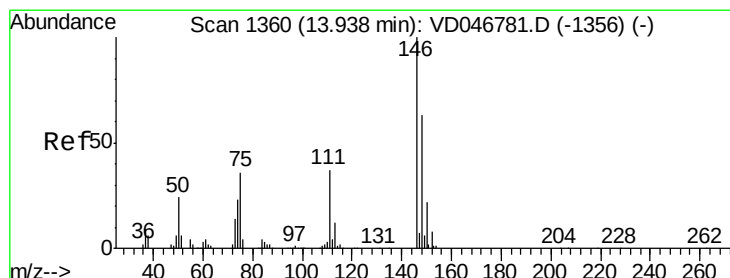
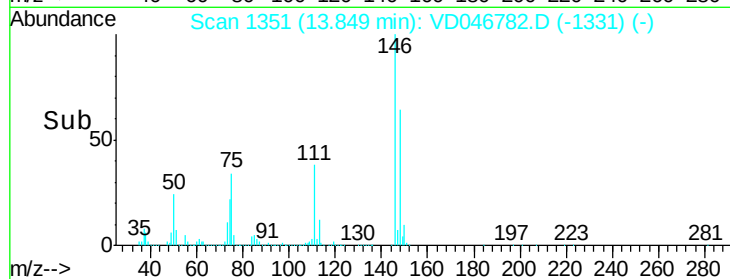
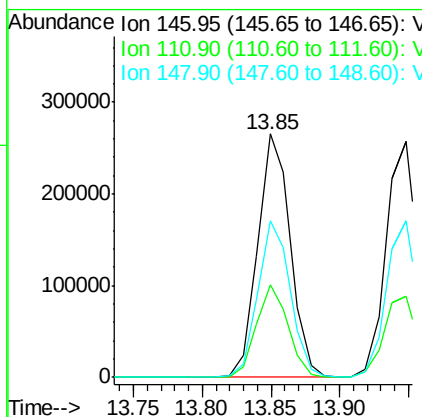
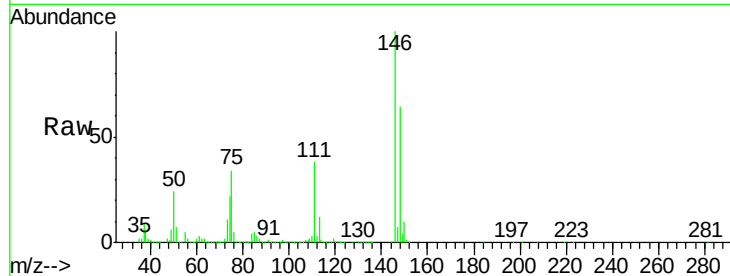




#87
 1,3-Dichlorobenzene
 Concen: 95.11 ug/l
 RT: 13.85 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

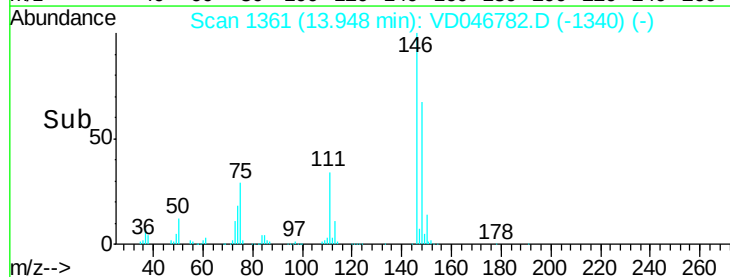
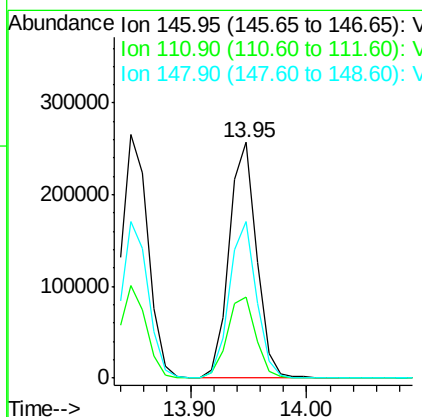
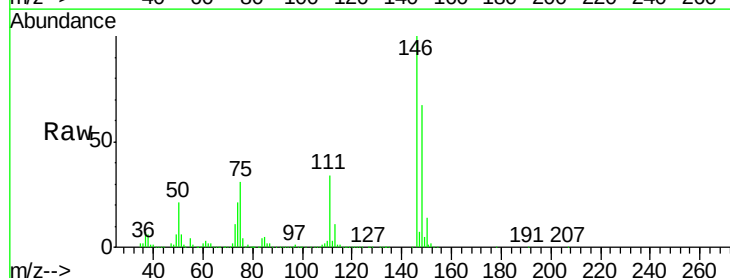
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

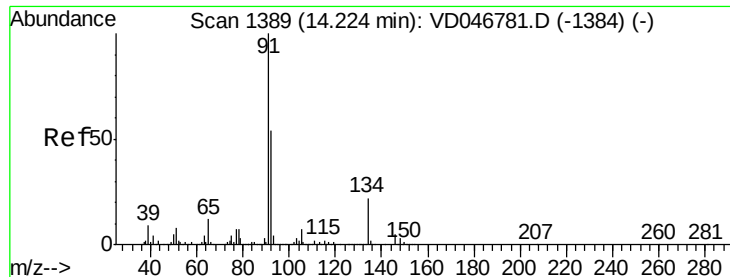
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.4	52.2
148	64.1	33.0	99.0



#88
 1,4-Dichlorobenzene
 Concen: 93.71 ug/l
 RT: 13.95 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.0	51.0
148	66.6	31.9	95.7





#89

n-Butylbenzene

Concen: 102.19 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

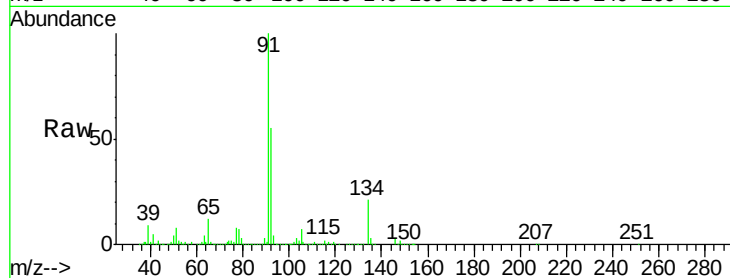
Tot Ion: 91 Resp: 924166

Ion Ratio Lower Upper

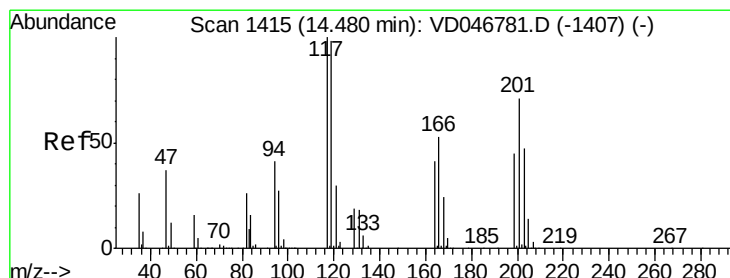
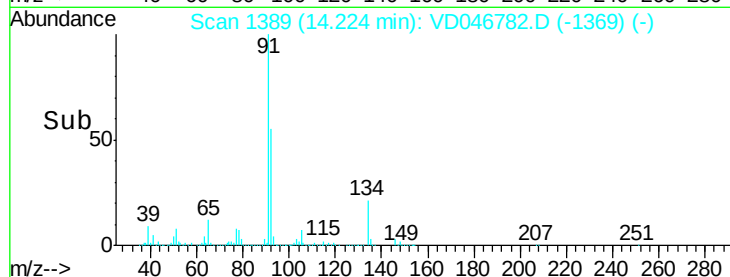
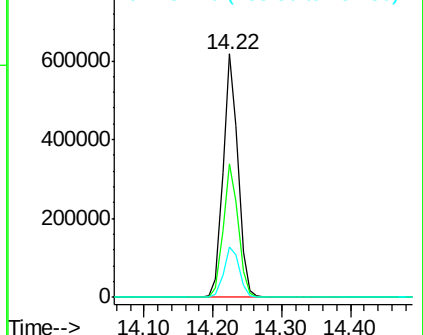
91 100

92 55.0 27.1 81.2

134 20.8 9.6 28.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 93.40 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD046782.D

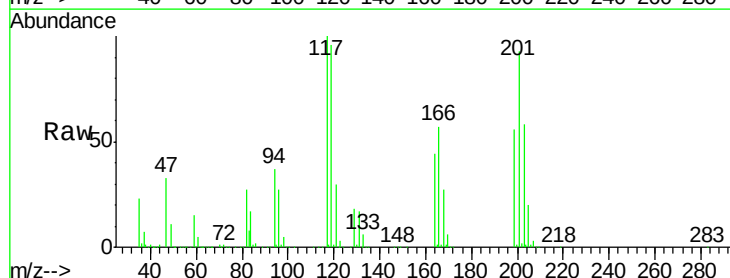
Acq: 18 Sep 2015 13:41

Tgt Ion: 117 Resp: 178144

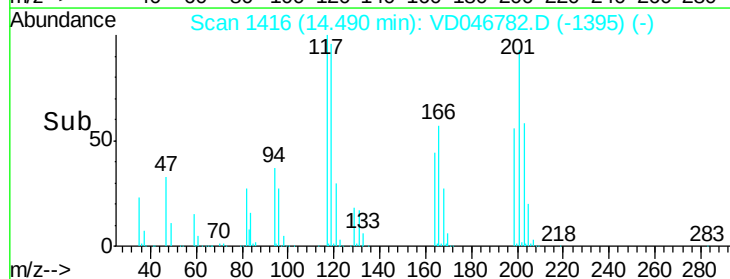
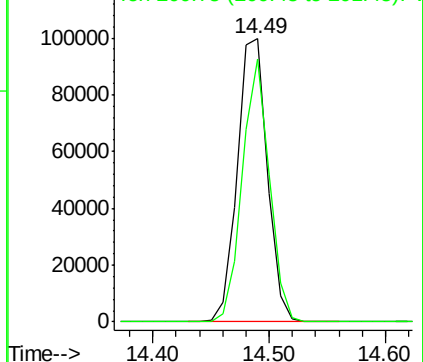
Ion Ratio Lower Upper

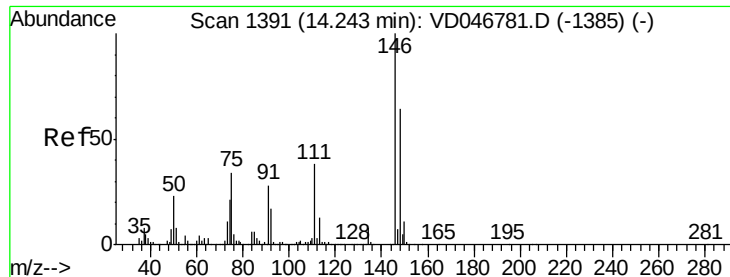
117 100

201 93.1 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

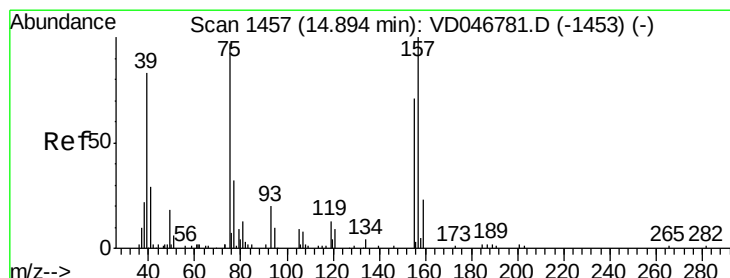
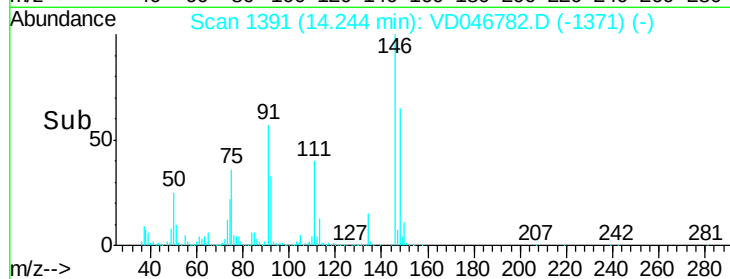
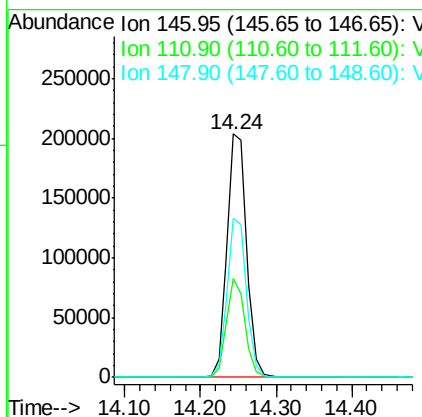
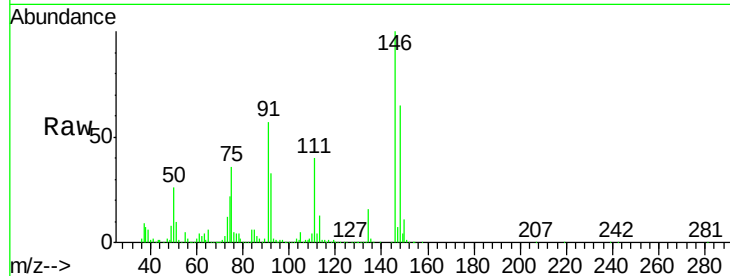




#91
 1,2-Dichlorobenzene
 Concen: 94.41 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

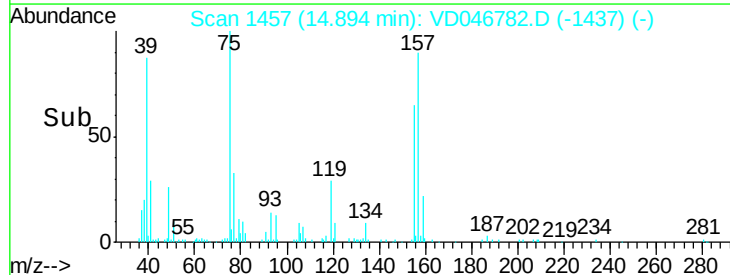
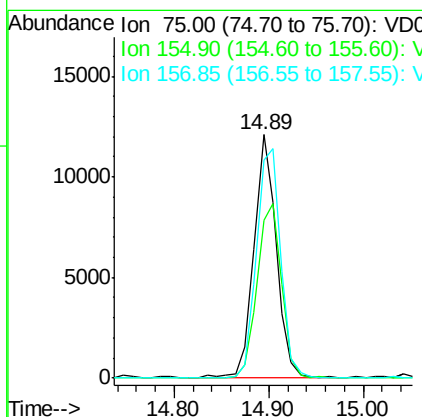
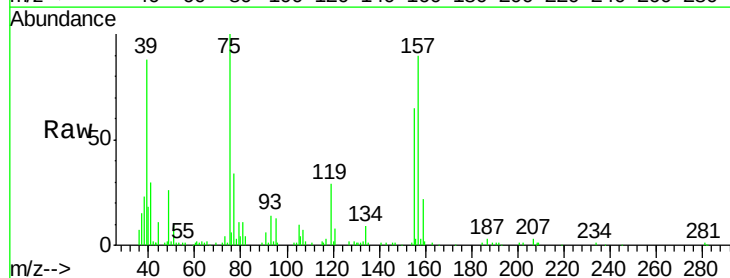
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

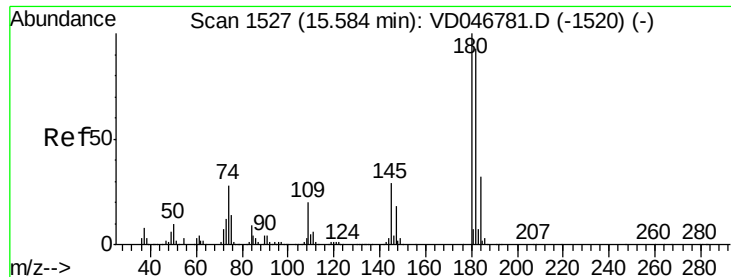
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.2	54.6
148	65.3	31.1	93.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 94.31 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.7	41.4	124.4
157	89.6	65.0	195.1

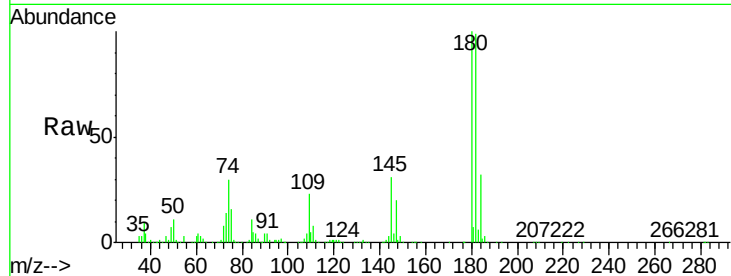




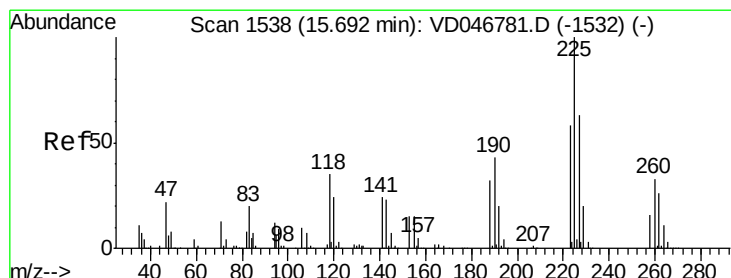
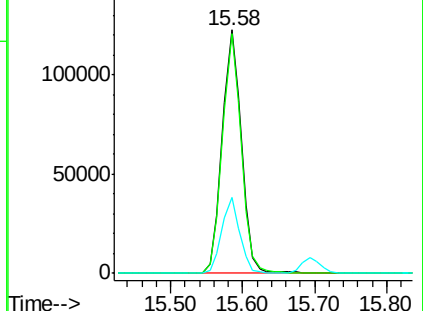
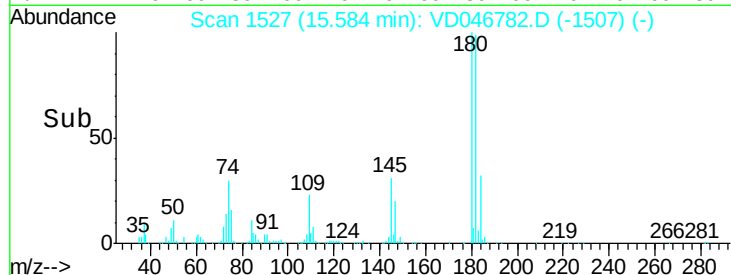
#93
 1,2,4-Trichlorobenzene
 Concen: 102.37 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.5	142.5
145	31.4	14.6	44.0

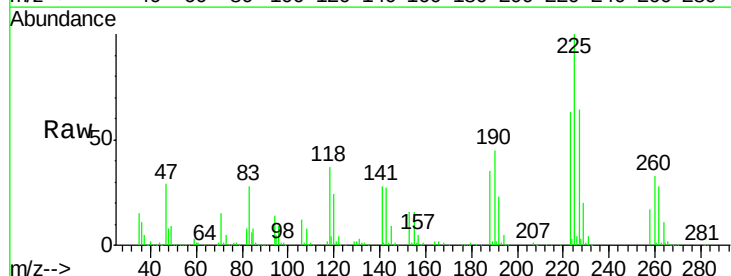


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

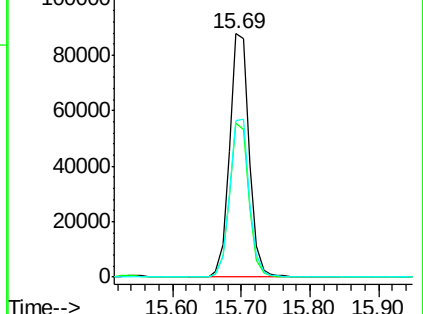
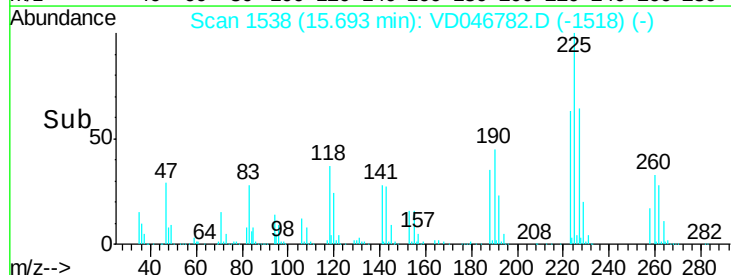


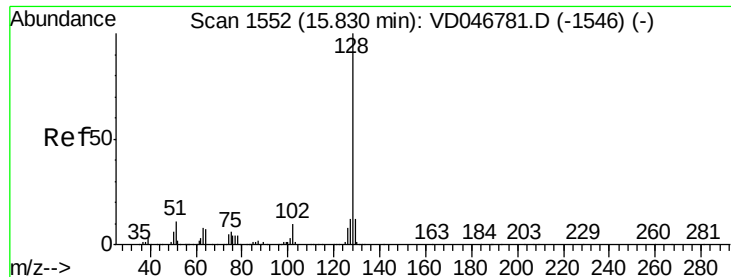
#94
 Hexachlorobutadiene
 Concen: 96.33 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.4	91.2
227	64.4	31.3	93.9



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: 113.97 ug/l

RT: 15.83 min Scan# 1552

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

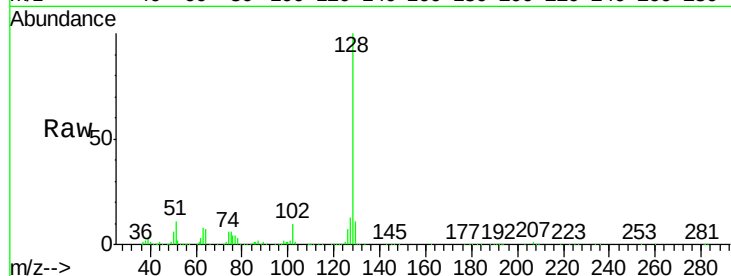
Tot Ion:128 Resp: 297320

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.6

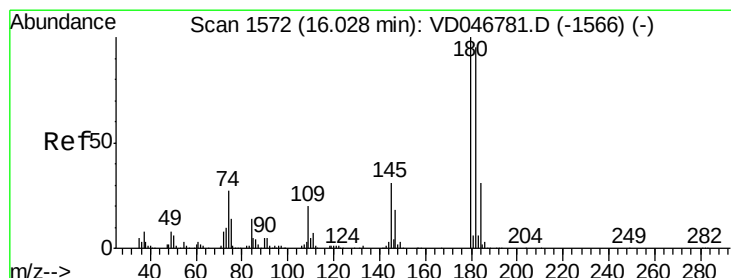
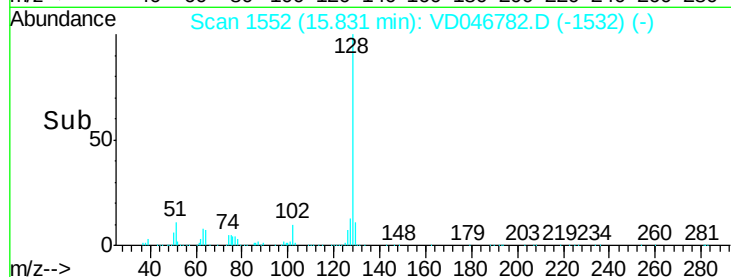
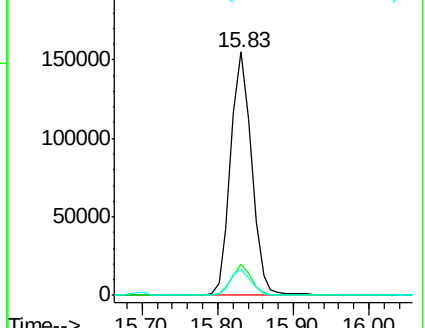
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 102.10 ug/l

RT: 16.03 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

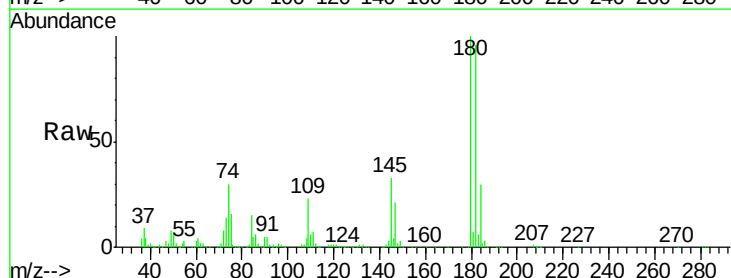
Tgt Ion:180 Resp: 186857

Ion Ratio Lower Upper

180 100

182 95.5 47.4 142.3

145 33.1 15.4 46.4



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

