

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
 Data File : VD046779.D
 Acq On : 18 Sep 2015 12:22
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Sep 18 13:38:38 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:41:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	204989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	261002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	246886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	128367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.72	65	22118	10.96	ug/l	0.00
Spiked Amount			Recovery	=	21.92%	
35) Dibromofluoromethane	6.21	113	19778	9.57	ug/l	0.00
Spiked Amount			Recovery	=	19.14%	
50) Toluene-d8	9.62	98	61277	9.54	ug/l	0.00
Spiked Amount			Recovery	=	19.08%	
62) 4-Bromofluorobenzene	12.85	95	25330	11.20	ug/l	0.00
Spiked Amount			Recovery	=	22.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.42	85	23460	9.94	ug/l	96
3) Chlorodifluoromethane	1.43	51	18862	9.05	ug/l #	92
4) Chloromethane	1.58	50	12974	9.07	ug/l	98
5) Vinyl Chloride	1.68	62	11966	9.30	ug/l	91
6) Bromomethane	1.97	94	12865	11.33	ug/l	92
7) Chloroethane	2.08	64	7343	9.65	ug/l	99
8) Trichlorofluoromethane	2.33	101	37291	11.57	ug/l	92
9) Diethyl Ether	2.64	74	6175	9.22	ug/l	89
10) 1,1,2-Trichlorotrifluoroet	2.89	101	22457	10.14	ug/l	94
11) Methyl Iodide	3.05	142	19184	7.43	ug/l #	84
12) Tert butyl alcohol	3.66	59	6334	124.07	ug/l #	74
13) 1,1-Dichloroethene	2.88	96	17093	9.42	ug/l	98
14) Acrolein	2.78	56	5187	47.77	ug/l	86
15) Allyl chloride	3.34	41	33586	8.56	ug/l #	82
16) Acrylonitrile	3.85	53	12653	44.21	ug/l	95
17) Acetone	2.94	43	17848	45.56	ug/l #	91
18) Carbon Disulfide	3.13	76	65755	9.08	ug/l	100
19) Methyl Acetate	3.34	43	22462	9.56	ug/l	95
20) Methyl tert-butyl Ether	3.91	73	24474	8.92	ug/l	96
21) Methylene Chloride	3.50	84	21895	10.36	ug/l	94
22) trans-1,2-Dichloroethene	3.90	96	19466	9.40	ug/l	86
23) Diisopropyl ether	4.66	45	56352	8.61	ug/l #	85
24) Vinyl Acetate	4.61	43	47490	36.35	ug/l	100
25) 1,1-Dichloroethane	4.56	63	36616	9.70	ug/l	98
26) 2-Butanone	5.45	43	21486	46.85	ug/l	96
27) 2,2-Dichloropropane	5.42	77	37797	10.70	ug/l	98
28) cis-1,2-Dichloroethene	5.43	96	19158	9.04	ug/l	96
29) Bromochloromethane	5.79	49	15145	10.14	ug/l	100
30) Chloroform	5.98	83	44938	10.55	ug/l	97
31) Cyclohexane	6.28	56	33973	9.21	ug/l #	81
32) 1,1,1-Trichloroethane	6.18	97	38873	10.71	ug/l	94
36) 1,1-Dichloropropene	6.43	75	32171	9.99	ug/l	98
37) Ethyl Acetate	5.55	43	11200	11.33	ug/l	96
38) Carbon Tetrachloride	6.42	117	35053	11.49	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	30133	8.79	ug/l	98
40) Benzene	6.72	78	85580	10.43	ug/l	99
41) Methacrylonitrile	5.76	41	5360	8.54	ug/l #	94
42) 1,2-Dichloroethane	6.83	62	26448	11.09	ug/l	97
43) Isopropyl Acetate	8.41	43	11440	8.19	ug/l #	96
44) Trichloroethene	7.75	130	21079	10.02	ug/l	89
45) 1,2-Dichloropropane	8.15	63	20536	9.99	ug/l	100
46) Dibromomethane	8.27	93	11486	10.72	ug/l	99
47) Bromodichloromethane	8.57	83	30094	10.61	ug/l #	92
48) Methyl methacrylate	8.09	41	19136	8.75	ug/l #	85
49) 1,4-Dioxane	8.30	88	1302	183.75	ug/l #	78
51) 4-Methyl-2-Pentanone	9.49	43	42980	44.11	ug/l	97
52) Toluene	9.72	92	48935	10.00	ug/l	98
53) t-1,3-Dichloropropene	10.13	75	19919	9.28	ug/l	99
54) cis-1,3-Dichloropropene	9.23	75	27473	9.70	ug/l	97
55) 1,1,2-Trichloroethane	10.39	97	12805	11.03	ug/l	95
56) Ethyl methacrylate	10.25	69	9737	8.72	ug/l	99
57) 1,3-Dichloropropane	10.61	76	23726	10.65	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.03	63	23114	37.52	ug/l	96
59) 2-Hexanone	10.72	43	30501	43.93	ug/l	91
60) Dibromochloromethane	10.89	129	17011	10.52	ug/l	91
61) 1,2-Dibromoethane	11.01	107	12538	11.09	ug/l	98
64) Tetrachloroethene	10.47	164	21050	9.53	ug/l	94
65) Chlorobenzene	11.61	112	54020	9.96	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	19694	9.78	ug/l	94
67) Ethyl Benzene	11.73	91	104397	9.43	ug/l	99
68) m/p-Xylenes	11.88	106	66226	19.13	ug/l	96
69) o-Xylene	12.30	106	29049	9.42	ug/l	95
70) Styrene	12.32	104	51568	9.82	ug/l	96
71) Bromoform	12.50	173	9553	9.54	ug/l	92
73) Isopropylbenzene	12.67	105	88527	8.93	ug/l	95
74) N-amyl acetate	12.50	43	17354	7.90	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.99	83	15316	10.34	ug/l	99
76) 1,2,3-Trichloropropane	13.03	75	15493	9.67	ug/l	92
77) Bromobenzene	12.98	156	23036	9.42	ug/l	81
78) n-propylbenzene	13.08	91	128848	9.39	ug/l	97
79) 2-Chlorotoluene	13.16	91	74226	9.81	ug/l	97
80) 1,3,5-Trimethylbenzene	13.25	105	72219	9.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.74	75	3477	8.50	ug/l	97
82) 4-Chlorotoluene	13.28	91	88883	10.04	ug/l	96
83) tert-Butylbenzene	13.54	119	76636	11.82	ug/l	97
84) 1,2,4-Trimethylbenzene	13.60	105	75083	9.74	ug/l	99
85) sec-Butylbenzene	13.73	105	96202	9.62	ug/l	92
86) p-Isopropyltoluene	13.87	119	75660	9.62	ug/l	97
87) 1,3-Dichlorobenzene	13.84	146	44001	9.97	ug/l	95
88) 1,4-Dichlorobenzene	13.94	146	43469	9.96	ug/l	93
89) n-Butylbenzene	14.22	91	85316	9.73	ug/l	96
90) Hexachloroethane	14.48	117	18260	10.39	ug/l	98
91) 1,2-Dichlorobenzene	14.25	146	36929	10.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.89	75	2017	11.05	ug/l	76

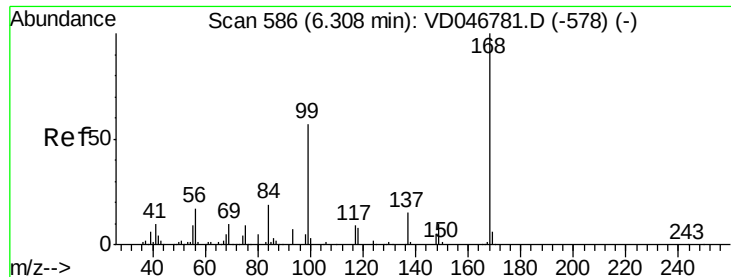
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	19771	9.22	ug/l	94
94) Hexachlorobutadiene	15.70	225	17198	9.85	ug/l	99
95) Naphthalene	15.82	128	20303	8.17	ug/l	98
96) 1,2,3-Trichlorobenzene	16.02	180	16391	9.21	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 587

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

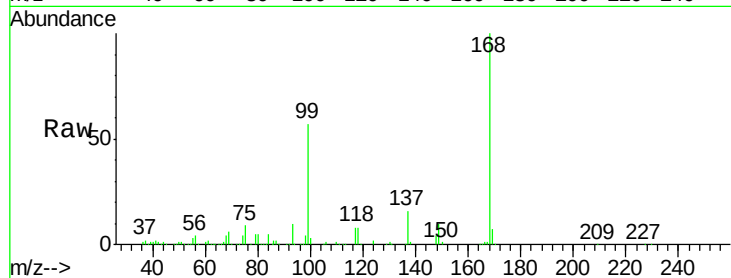
VSTDIC010

Tot Ion:168 Resp: 204989

Ion Ratio Lower Upper

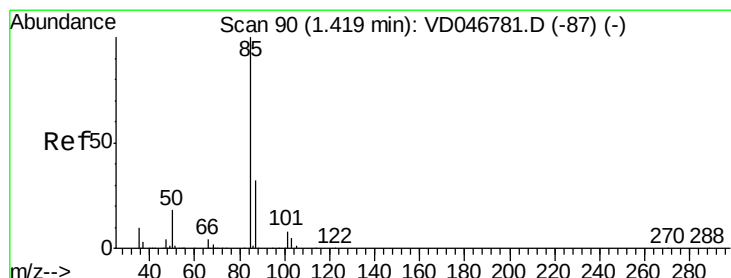
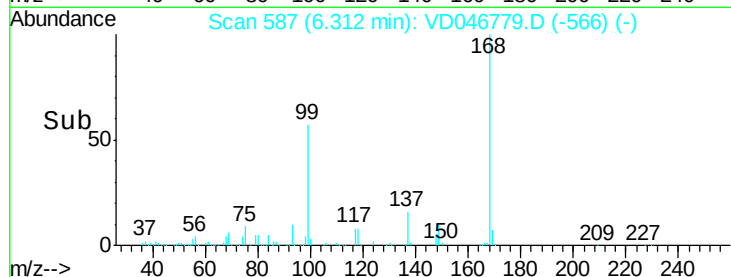
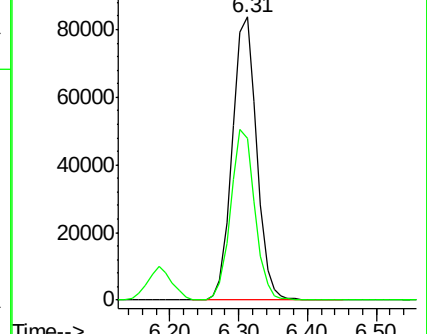
168 100

99 57.2 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: 9.94 ug/l

RT: 1.42 min Scan# 91

Delta R.T. 0.00 min

Lab File: VD046779.D

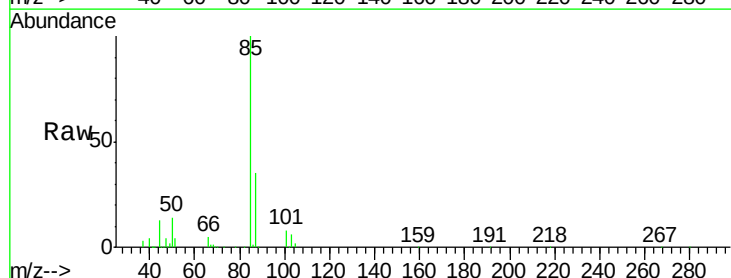
Acq: 18 Sep 2015 12:22

Tgt Ion: 85 Resp: 23460

Ion Ratio Lower Upper

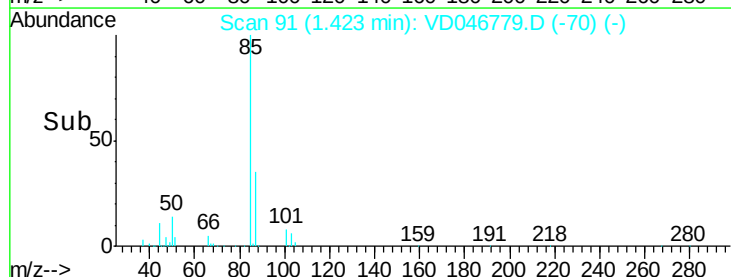
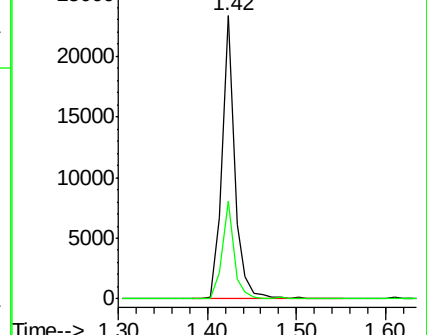
85 100

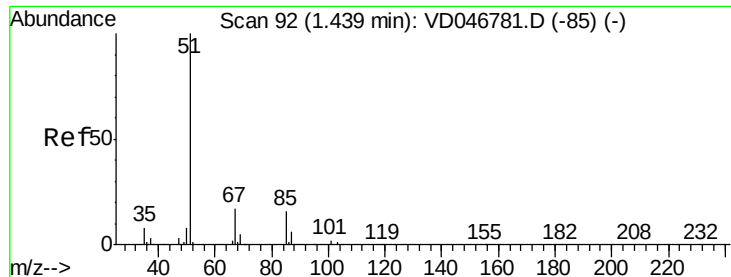
87 34.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 9.05 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

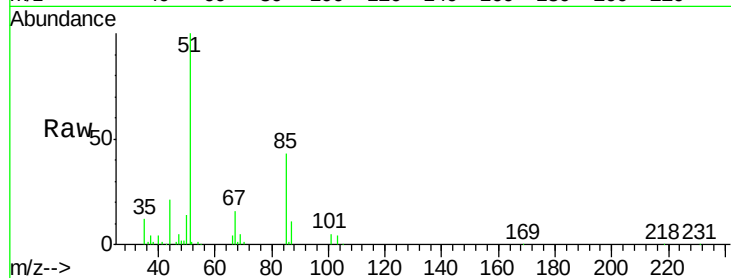
VSTDIC010

Tot Ion: 51 Resp: 18862

Ion Ratio Lower Upper

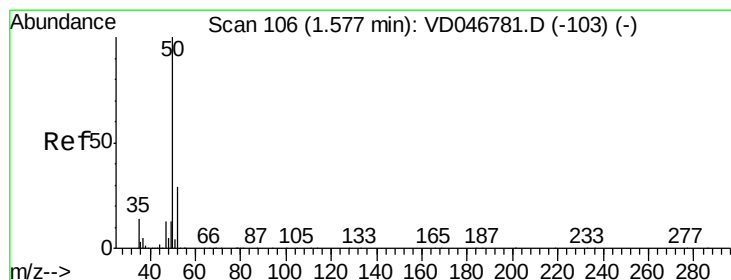
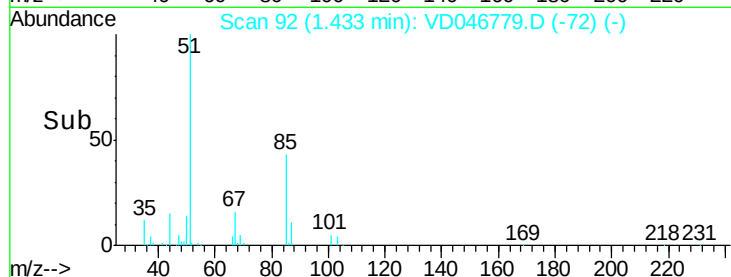
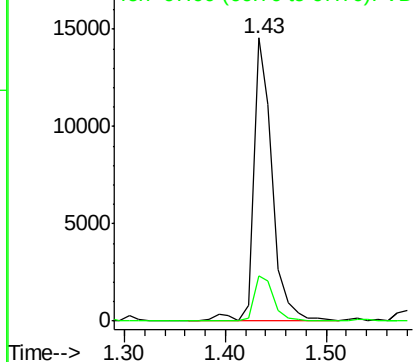
51 100

67 16.8 10.9 16.3#



Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 9.07 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD046779.D

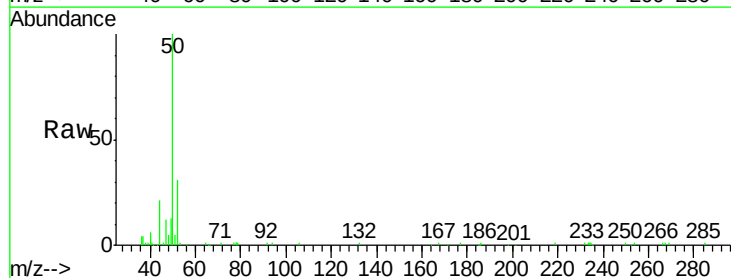
Acq: 18 Sep 2015 12:22

Tgt Ion: 50 Resp: 12974

Ion Ratio Lower Upper

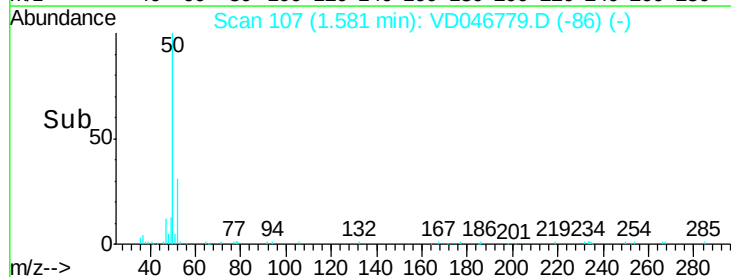
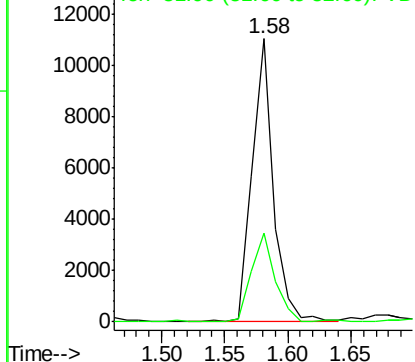
50 100

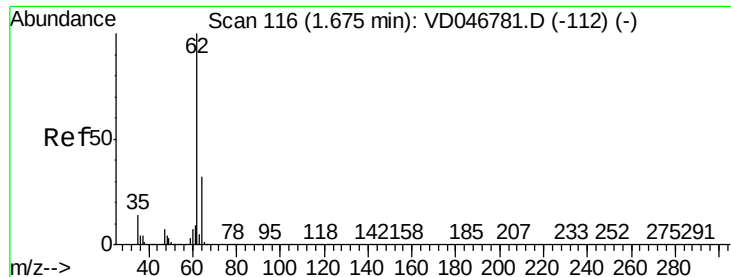
52 31.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 9.30 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

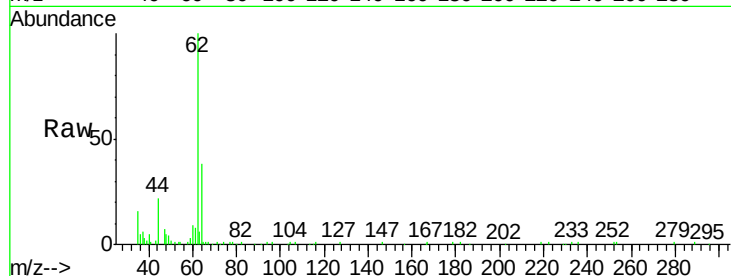
VSTDIC010

Tot Ion: 62 Resp: 11966

Ion Ratio Lower Upper

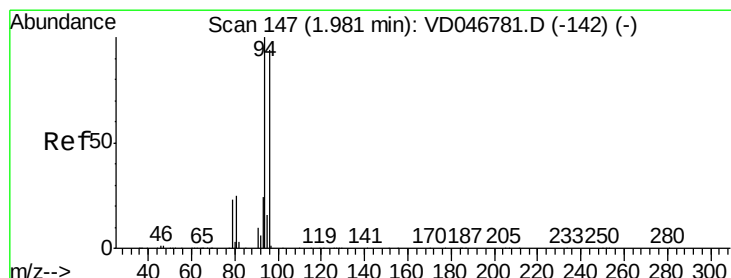
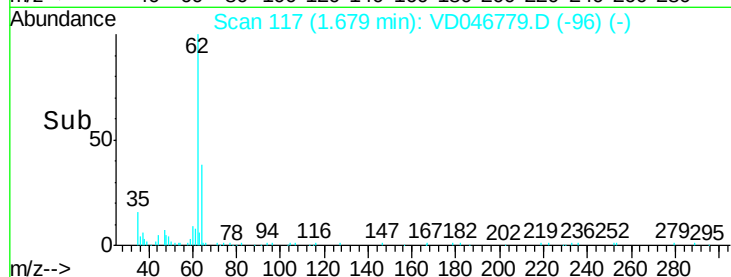
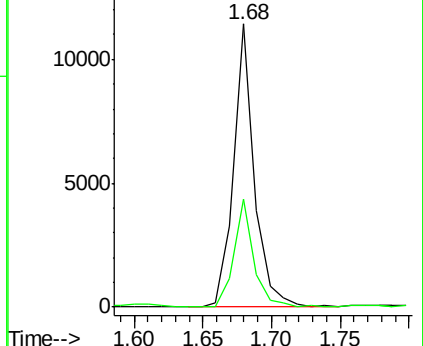
62 100

64 38.0 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: 11.33 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD046779.D

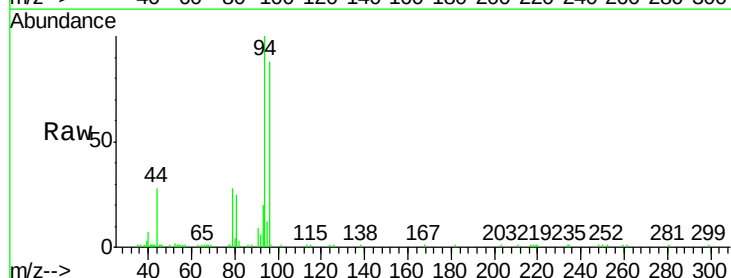
Acq: 18 Sep 2015 12:22

Tgt Ion: 94 Resp: 12865

Ion Ratio Lower Upper

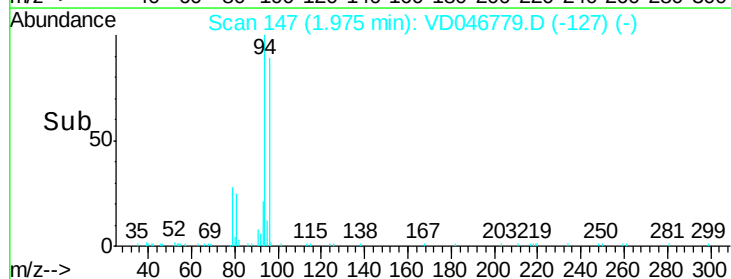
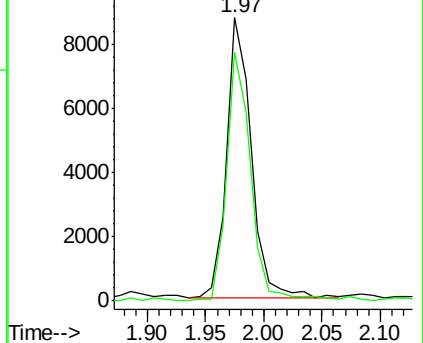
94 100

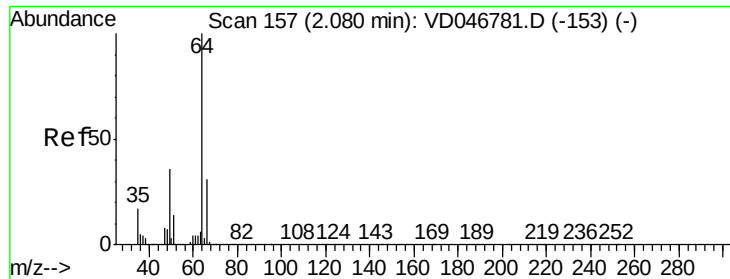
96 87.7 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 9.65 ug/l

RT: 2.08 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

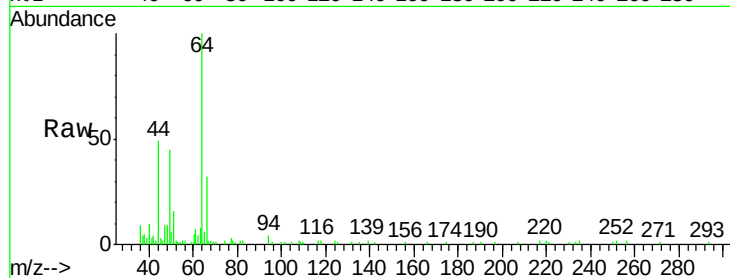
VSTDIC010

Tot Ion: 64 Resp: 7343

Ion Ratio Lower Upper

64 100

66 32.4 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

5000

4000

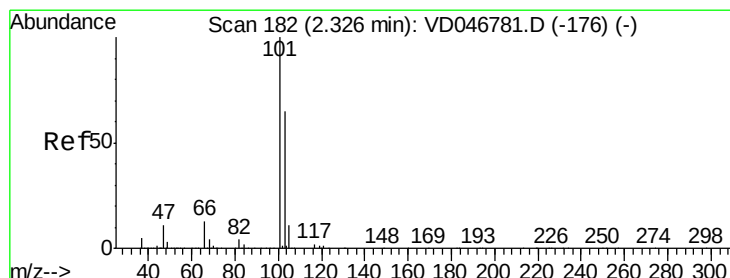
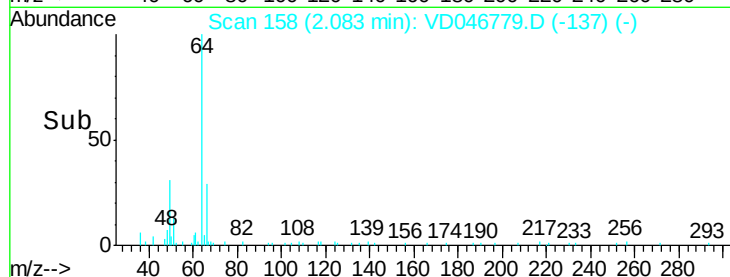
3000

2000

1000

0

Time-->



#8

Trichlorofluoromethane

Concen: 11.57 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD046779.D

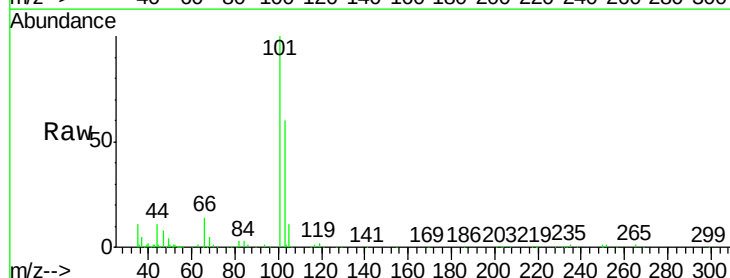
Acq: 18 Sep 2015 12:22

Tgt Ion: 101 Resp: 37291

Ion Ratio Lower Upper

101 100

103 59.8 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

25000

20000

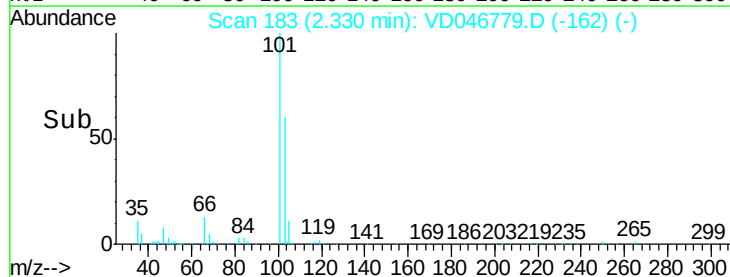
15000

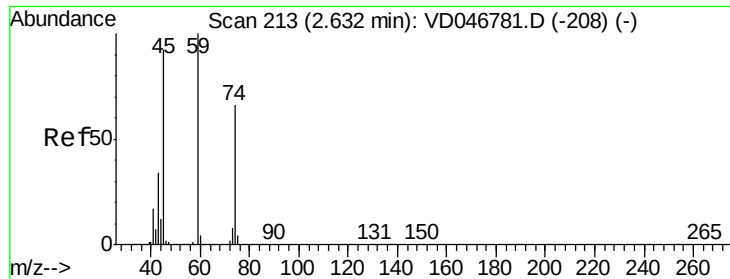
10000

5000

0

Time-->





#9

Diethyl Ether

Concen: 9.22 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

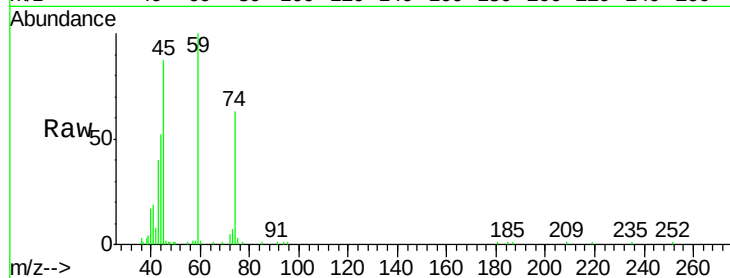
VSTDIC010

Tot Ion: 74 Resp: 6175

Ion Ratio Lower Upper

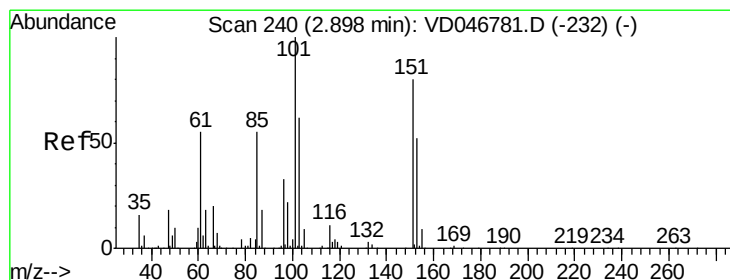
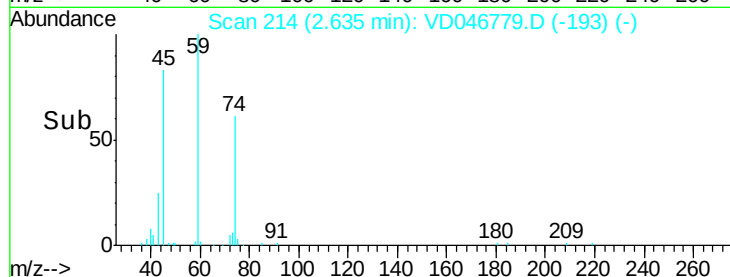
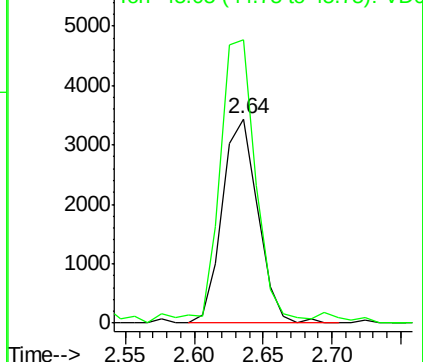
74 100

45 138.7 76.2 228.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 10.14 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

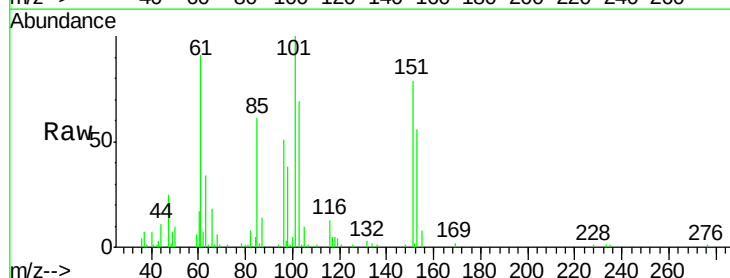
Tgt Ion: 101 Resp: 22457

Ion Ratio Lower Upper

101 100

85 60.8 42.0 63.0

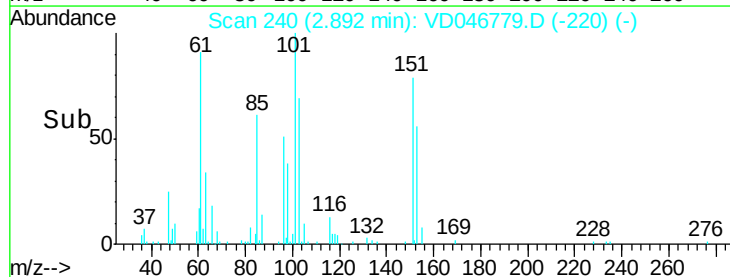
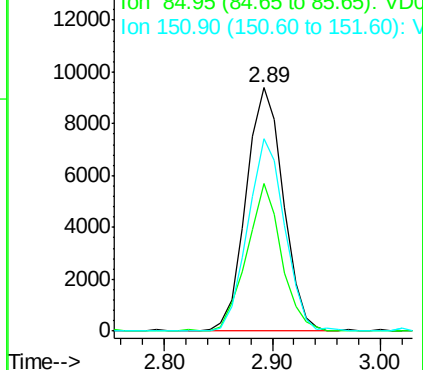
151 78.8 65.2 97.8

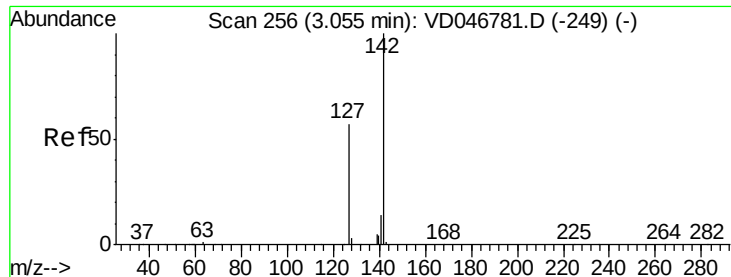


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

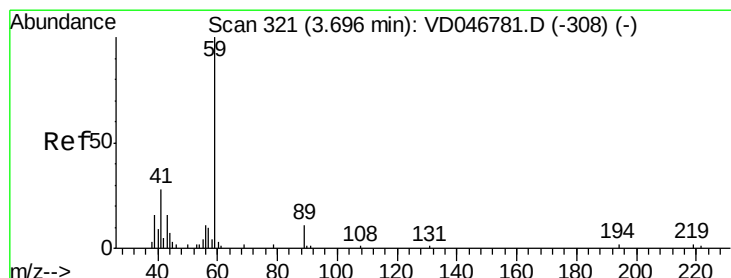
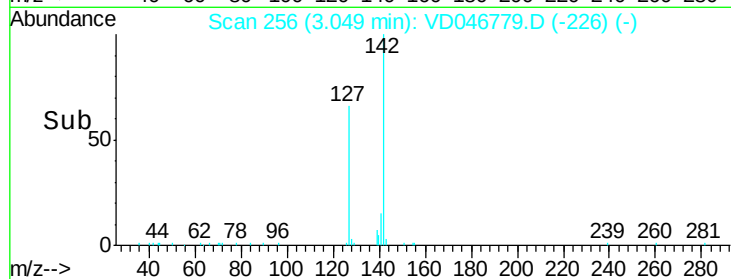
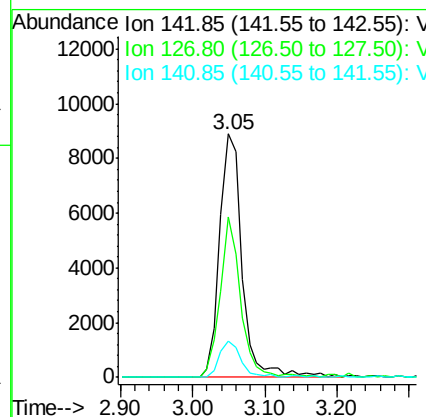
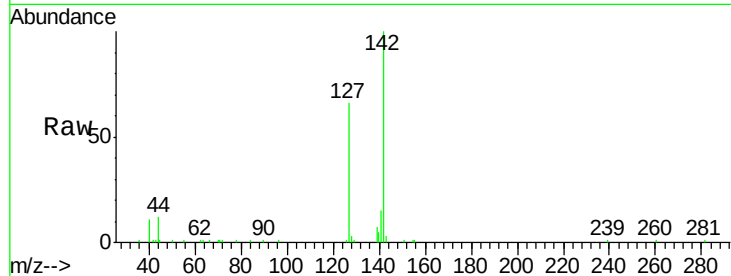




#11
Methvl Iodide
Concen: 7.43 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

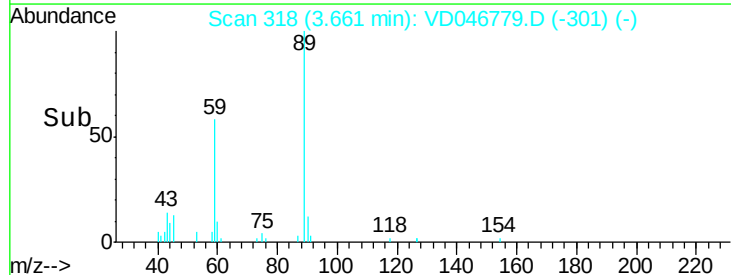
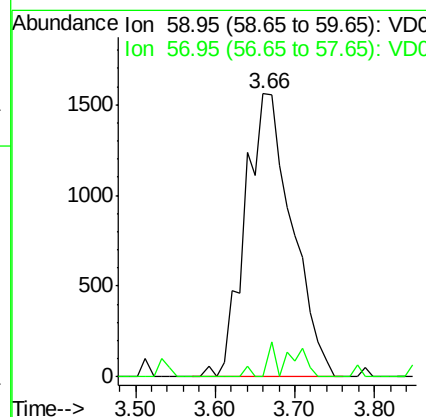
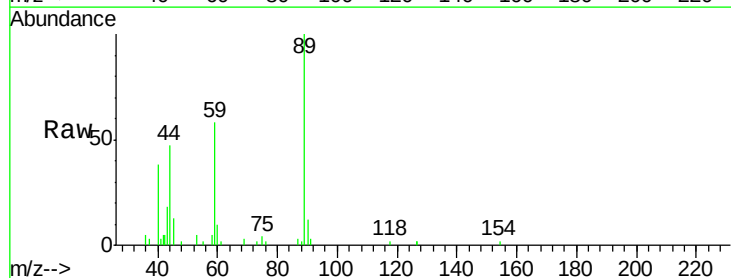
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

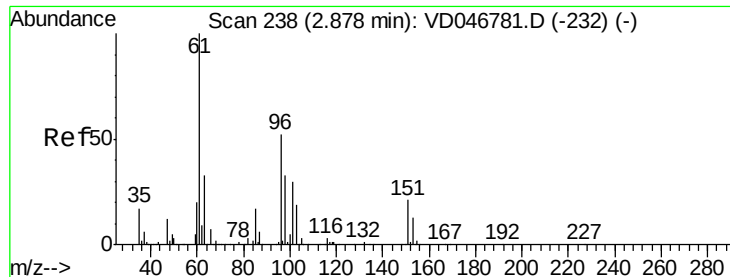
Tot Ion:142 Resp: 19184
Ion Ratio Lower Upper
142 100
127 66.1 41.2 61.8#
141 14.7 11.6 17.4



#12
Tert butyl alcohol
Concen: 124.07 ug/l
RT: 3.66 min Scan# 318
Delta R.T. -0.04 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 59 Resp: 6334
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

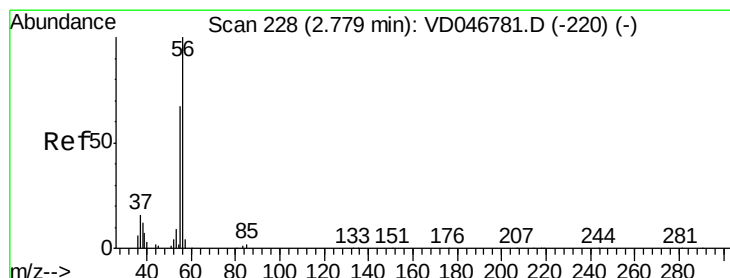
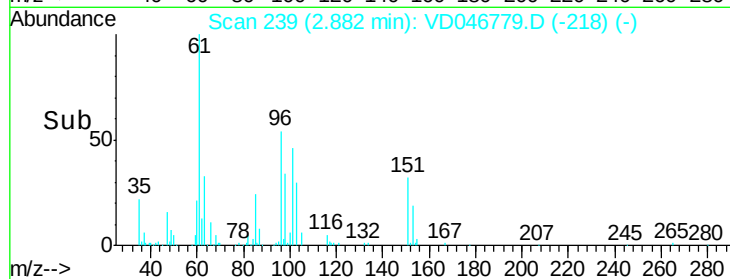
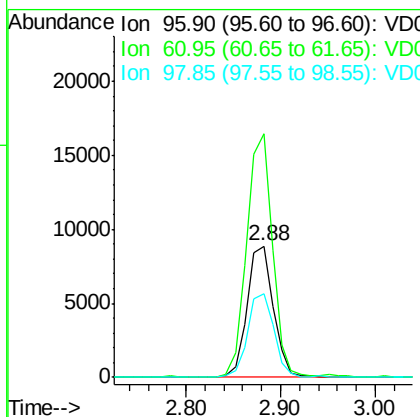
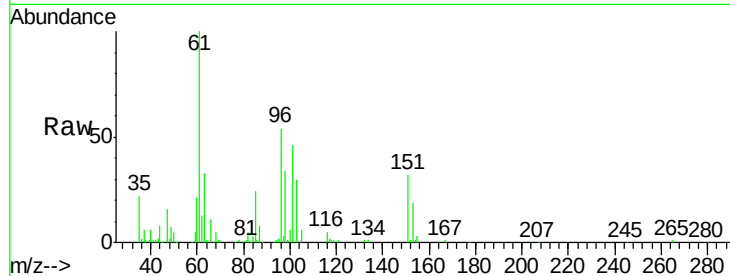




#13
 1,1-Dichloroethene
 Concen: 9.42 ug/l
 RT: 2.88 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

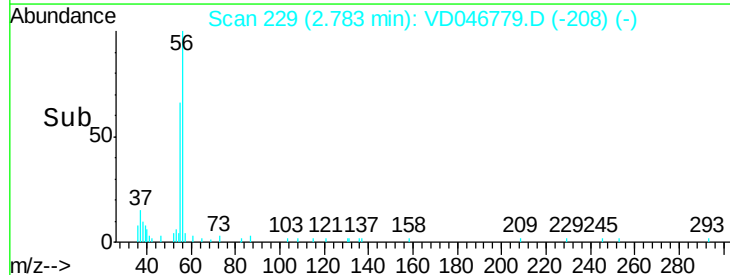
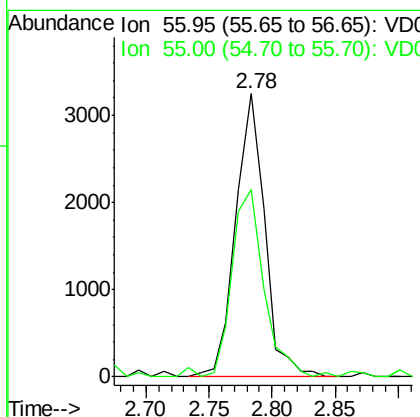
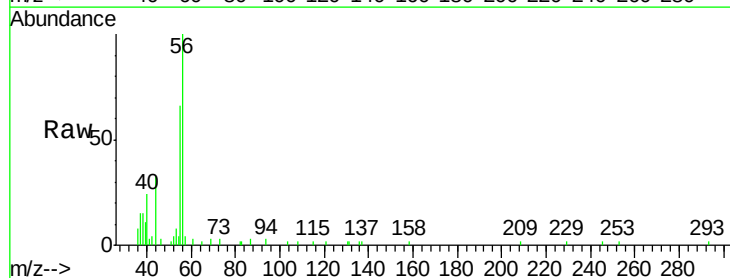
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

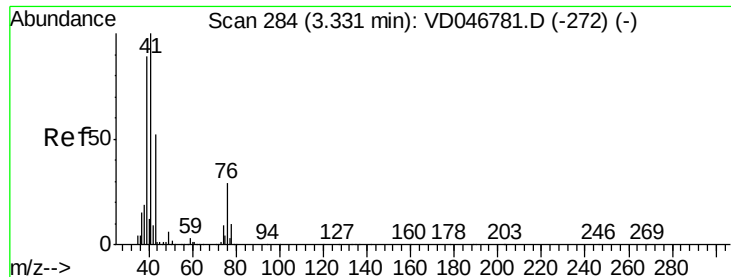
Tot Ion: 96 Resp: 17093
 Ion Ratio Lower Upper
 96 100
 61 185.9 152.2 228.4
 98 63.4 51.2 76.8



#14
 Acrolein
 Concen: 47.77 ug/l
 RT: 2.78 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 56 Resp: 5187
 Ion Ratio Lower Upper
 56 100
 55 66.4 62.6 93.8

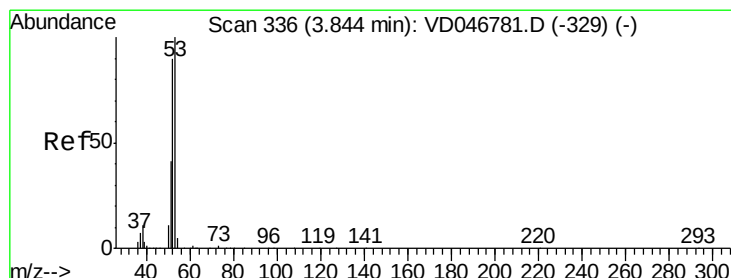
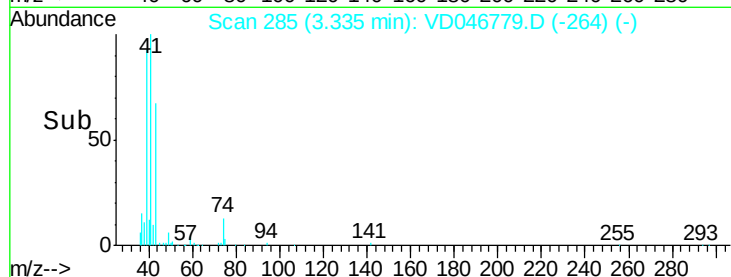
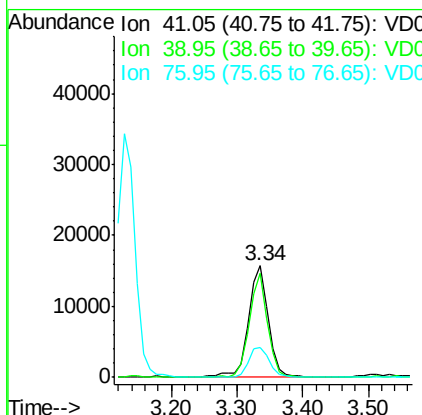
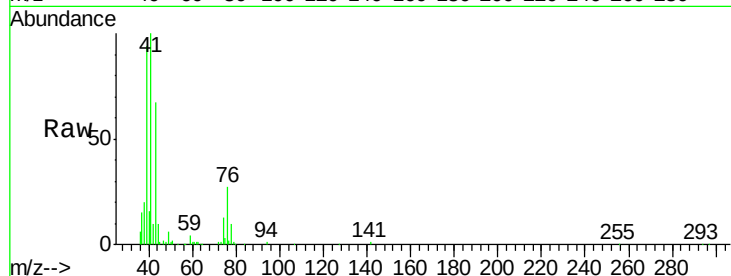




#15
Allvl chloride
Concen: 8.56 ug/l
RT: 3.34 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

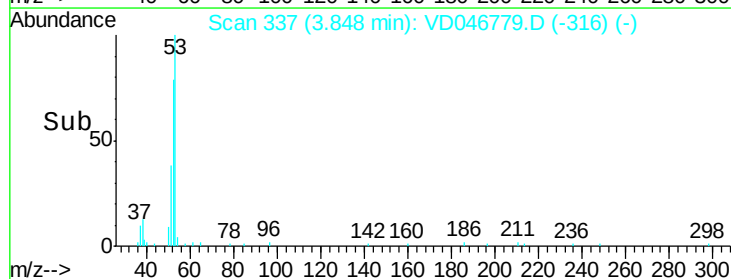
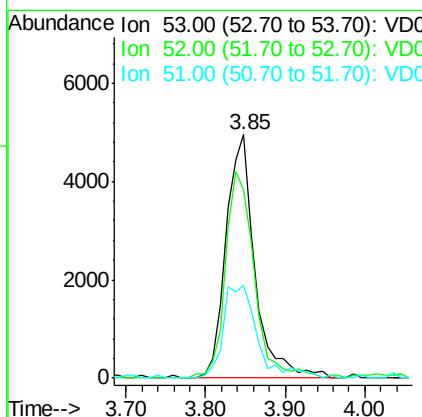
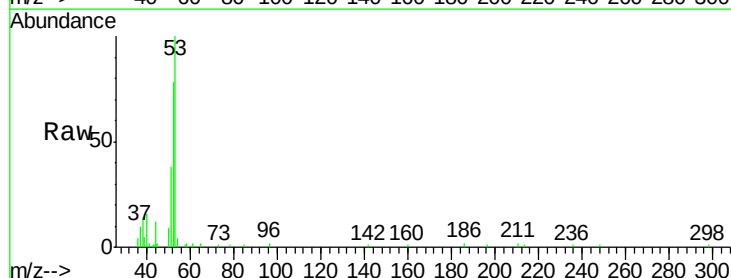
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

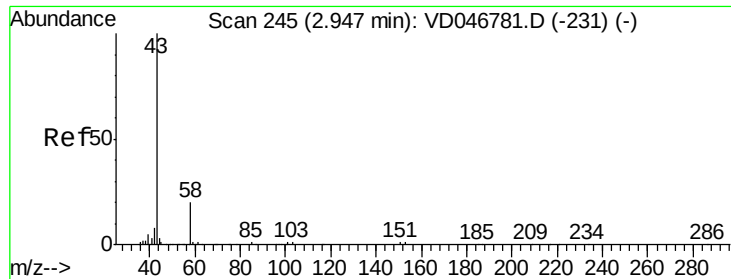
Tot Ion: 41 Resp: 33586
Ion Ratio Lower Upper
41 100
39 93.6 58.8 88.2#
76 26.9 22.7 34.1



#16
Acrylonitrile
Concen: 44.21 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 53 Resp: 12653
Ion Ratio Lower Upper
53 100
52 77.5 66.8 100.2
51 37.8 31.2 46.8





#17

Acetone

Concen: 45.56 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

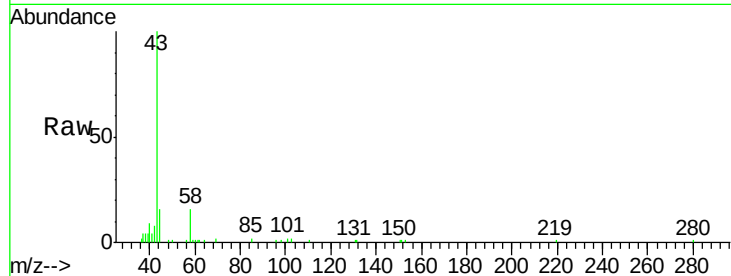
VSTDIC010

Tot Ion: 43 Resp: 17848

Ion Ratio Lower Upper

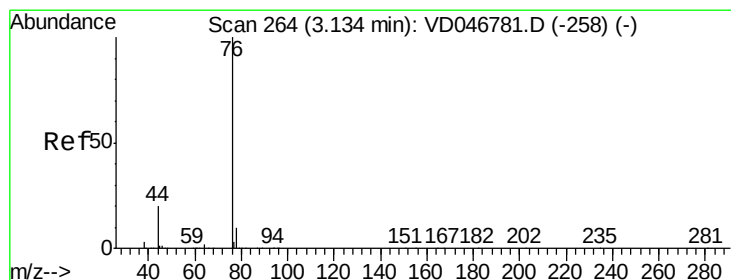
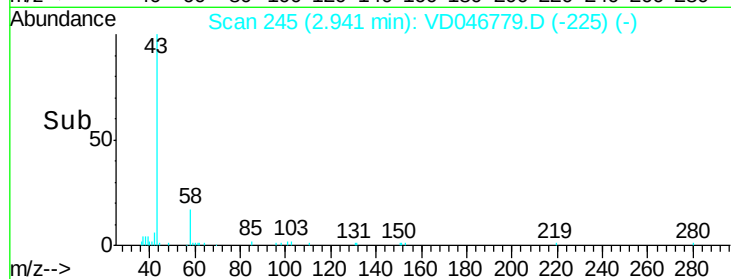
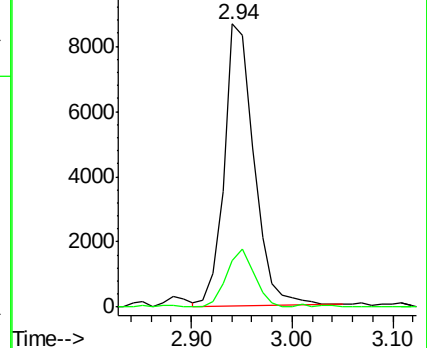
43 100

58 16.3 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: 9.08 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.01 min

Lab File: VD046779.D

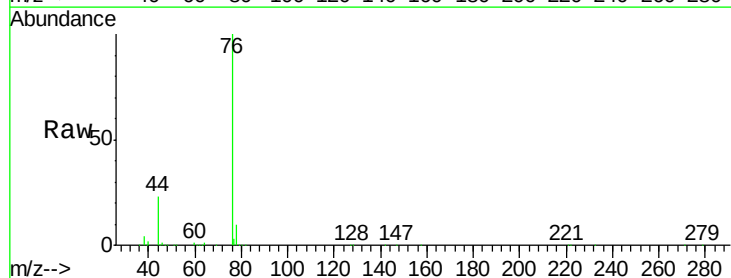
Acq: 18 Sep 2015 12:22

Tgt Ion: 76 Resp: 65755

Ion Ratio Lower Upper

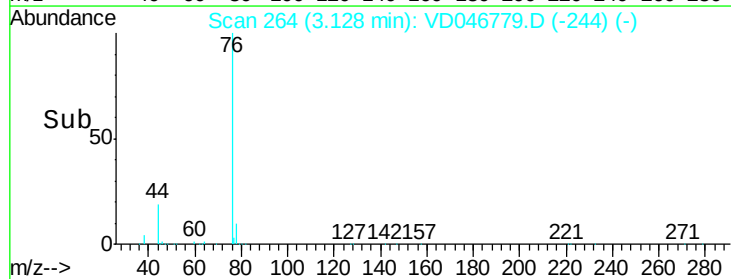
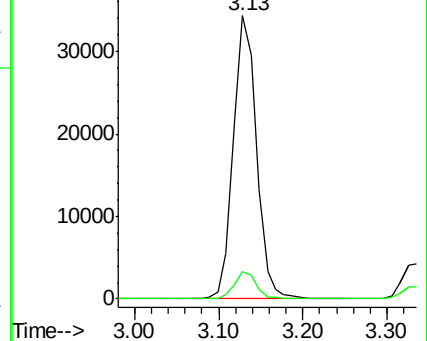
76 100

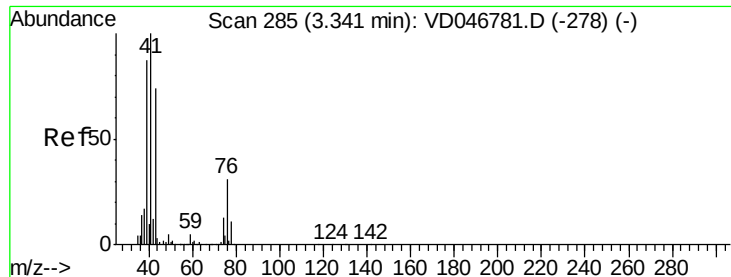
78 9.9 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

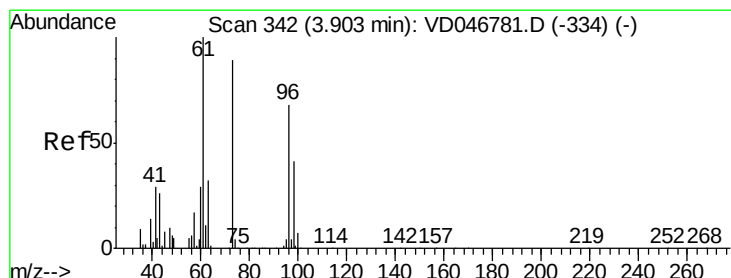
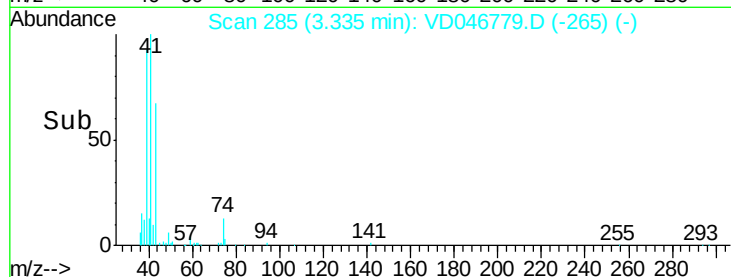
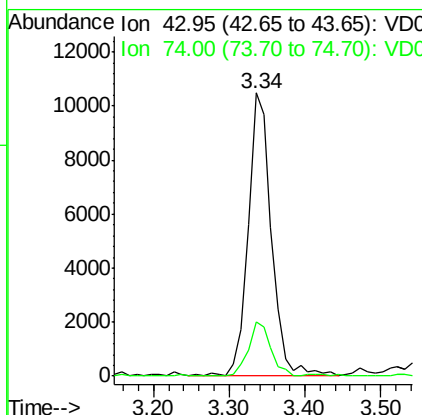
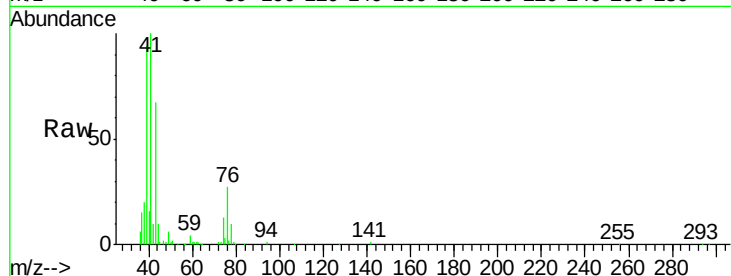




#19
Methvl Acetate
Concen: 9.56 ug/l
RT: 3.34 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

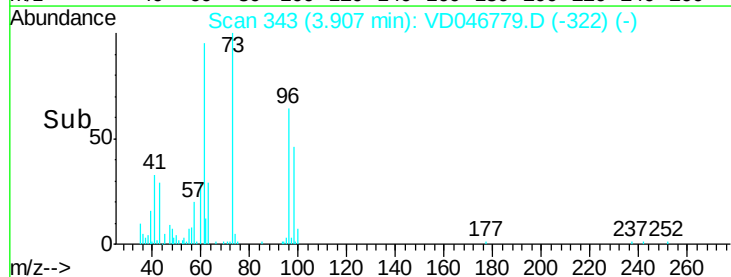
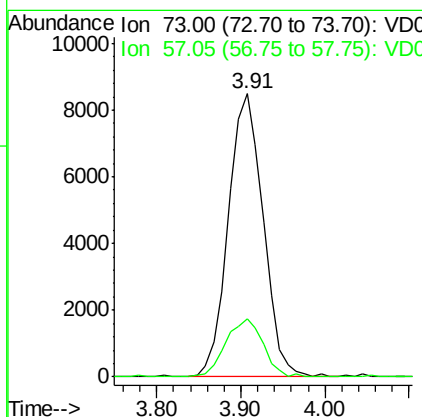
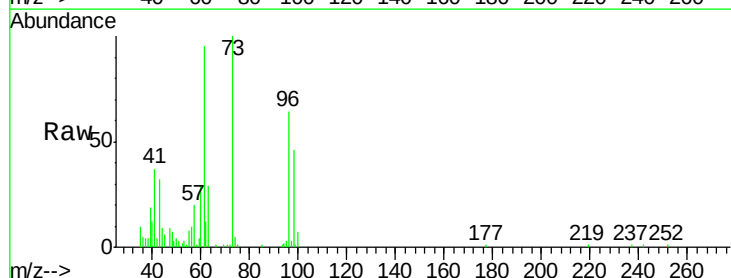
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

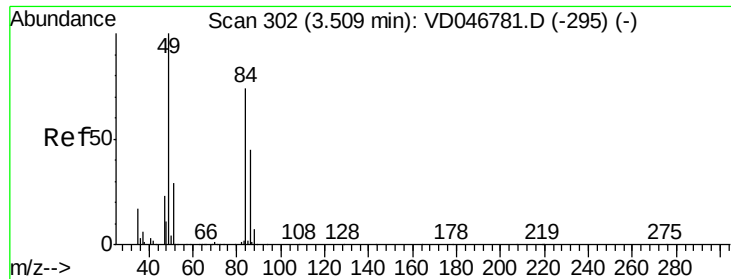
Tot Ion: 43 Resp: 22462
Ion Ratio Lower Upper
43 100
74 19.3 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 8.92 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 73 Resp: 24474
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1

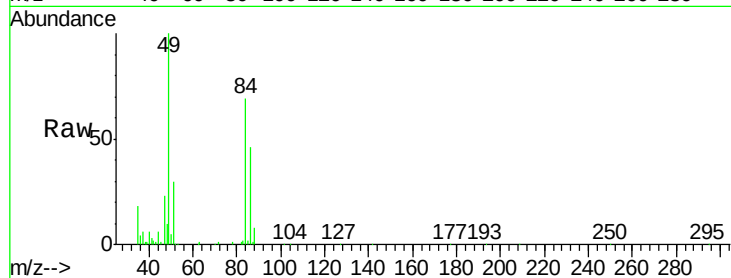




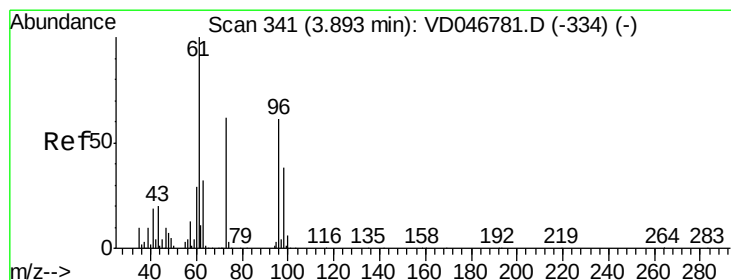
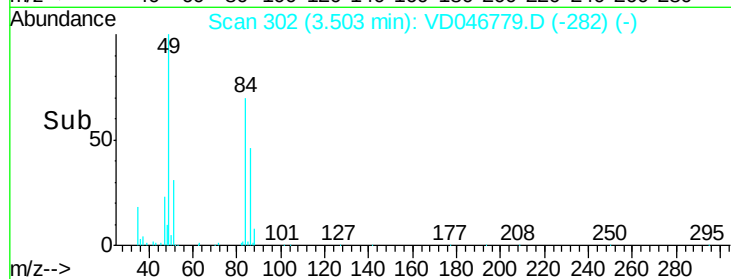
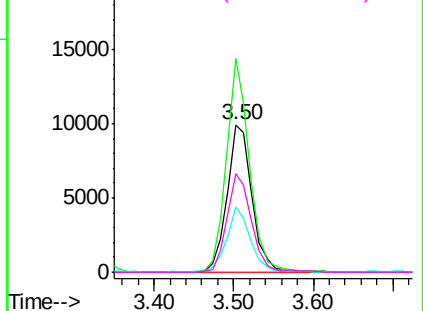
#21
Methvlene Chloride
Concen: 10.36 ug/l
RT: 3.50 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	84	Resp:	21895
Ion	Ratio	Lower	Upper
84	100		
49	144.8	122.1	183.1
51	44.0	33.6	50.4
86	66.5	48.3	72.5

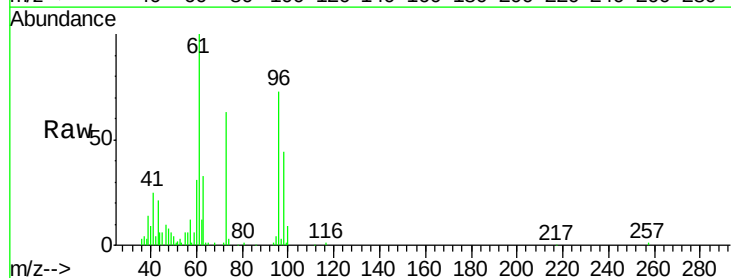


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

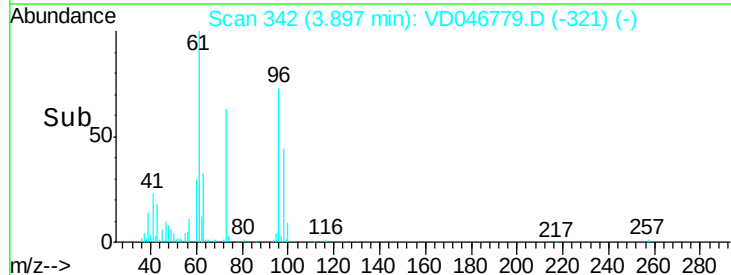
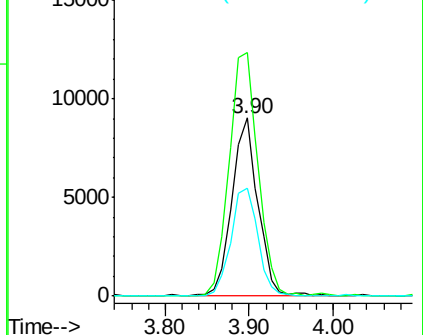


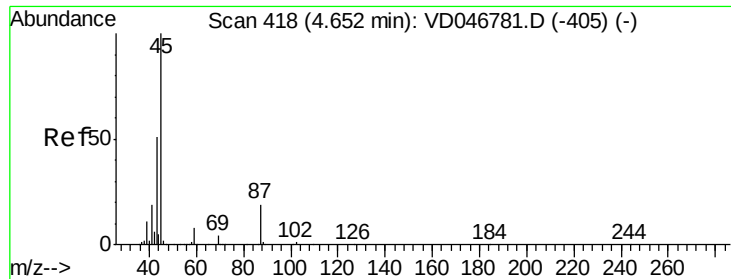
#22
trans-1,2-Dichloroethene
Concen: 9.40 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:	96	Resp:	19466
Ion	Ratio	Lower	Upper
96	100		
61	136.7	125.8	188.6
98	60.4	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

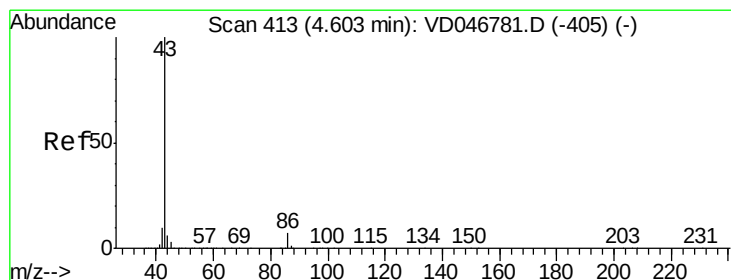
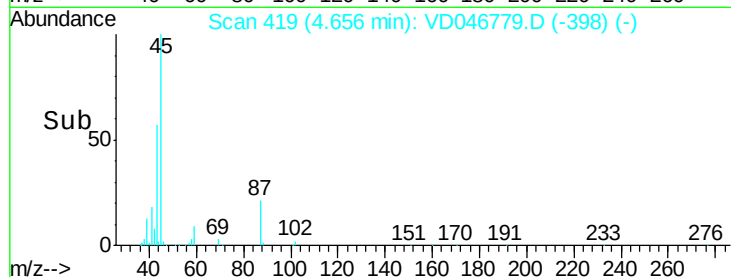
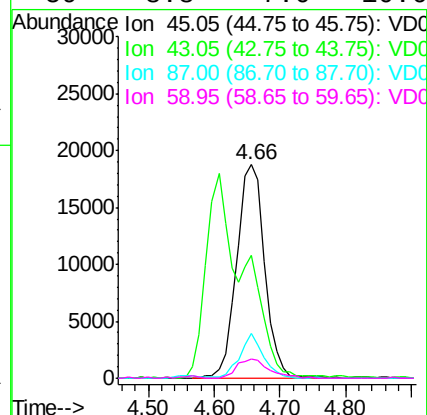
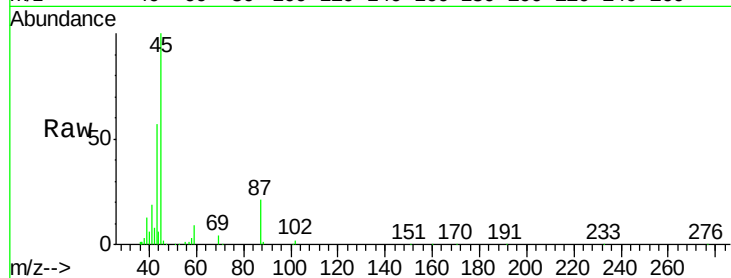




#23
Diisopropyl ether
Concen: 8.61 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

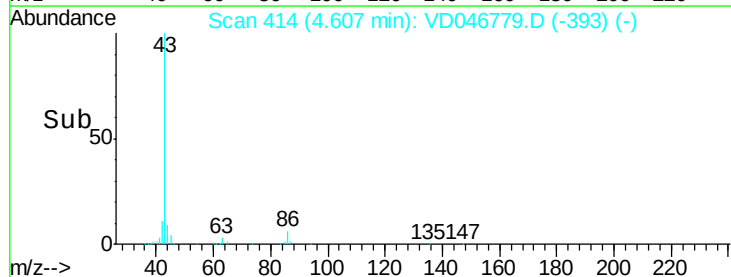
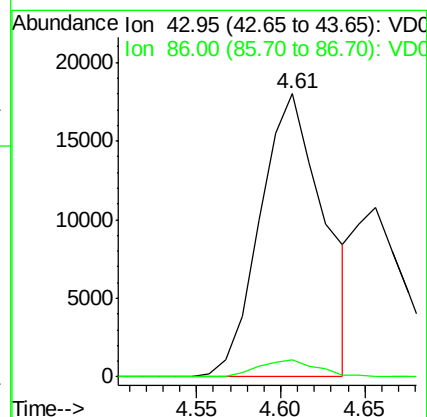
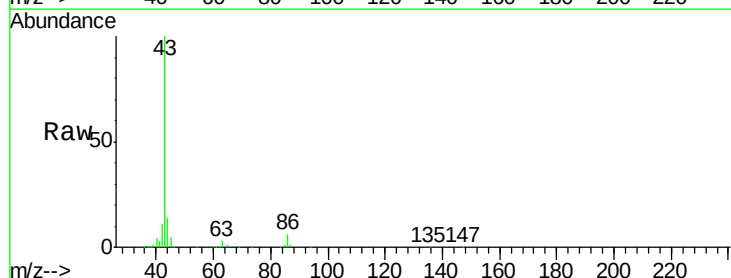
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

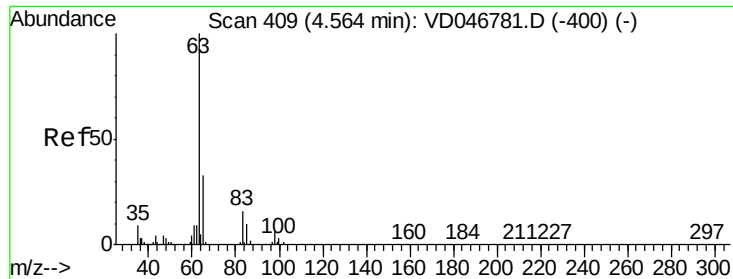
Tot Ion:	45	Resp:	56352
Ion	Ratio	Lower	Upper
45	100		
43	57.4	35.9	53.9#
87	20.8	13.0	19.6#
59	8.8	7.0	10.6



#24
Vinyl Acetate
Concen: 36.35 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:	43	Resp:	47490
Ion	Ratio	Lower	Upper
43	100		
86	6.3	4.9	7.3

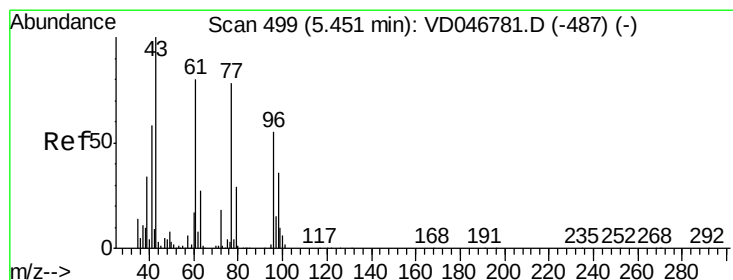
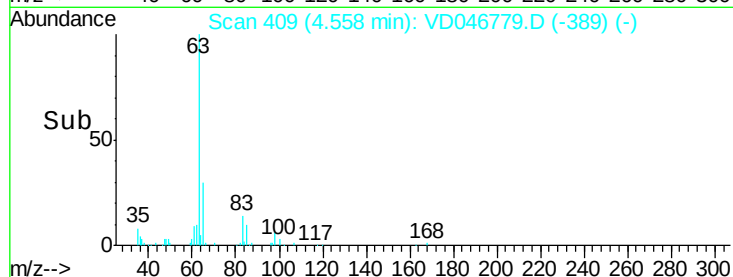
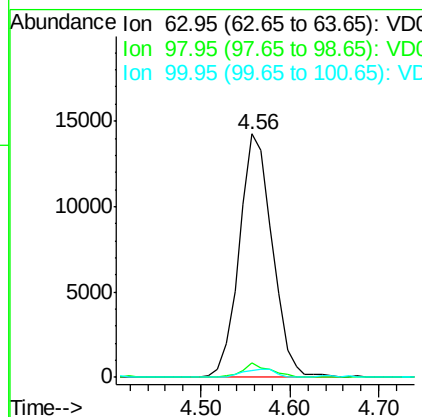
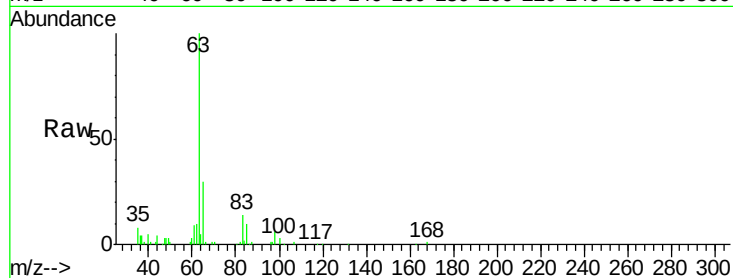




#25
 1,1-Dichloroethane
 Concen: 9.70 ug/l
 RT: 4.56 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

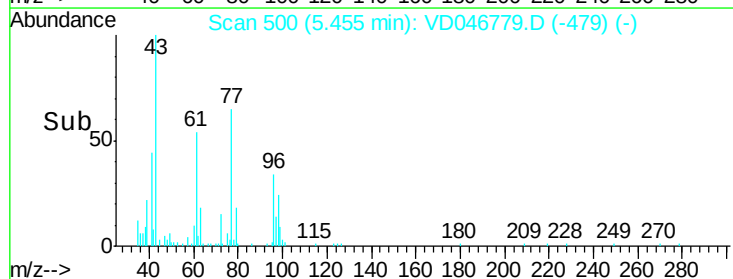
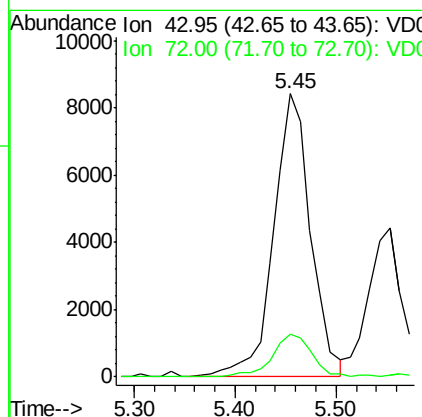
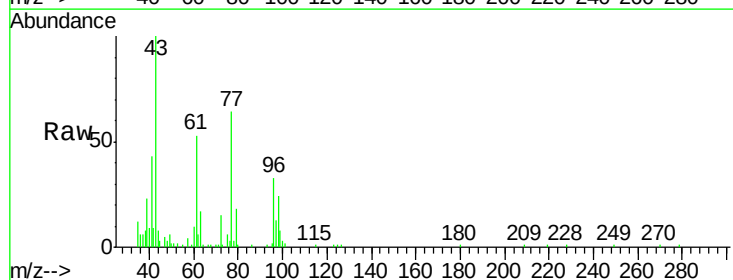
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

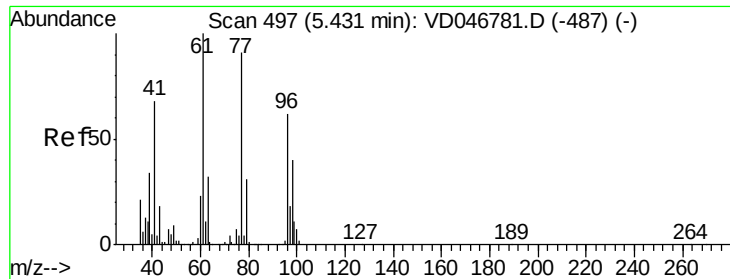
Tot Ion: 63 Resp: 36616
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.5 7.5
 100 2.9 1.5 4.5



#26
 2-Butanone
 Concen: 46.85 ug/l
 RT: 5.45 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 43 Resp: 21486
 Ion Ratio Lower Upper
 43 100
 72 15.0 13.4 20.0





#27

2,2-Dichloropropane

Concen: 10.70 ug/l

RT: 5.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

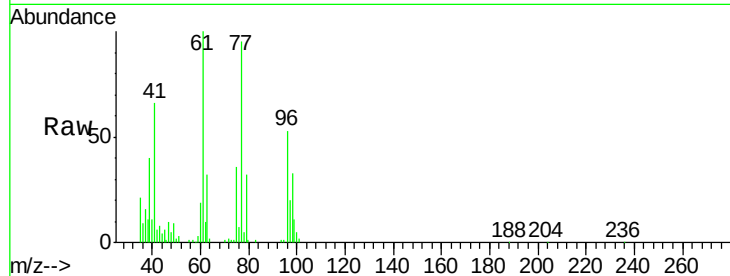
VSTDIC010

Tot Ion: 77 Resp: 37797

Ion Ratio Lower Upper

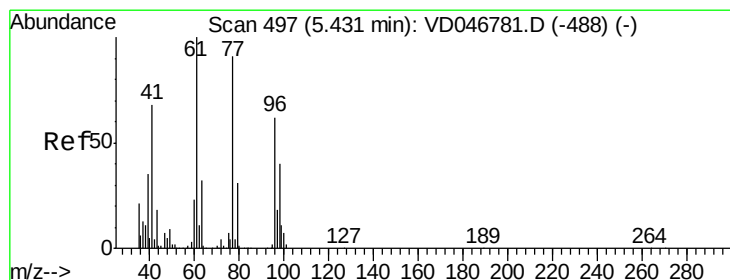
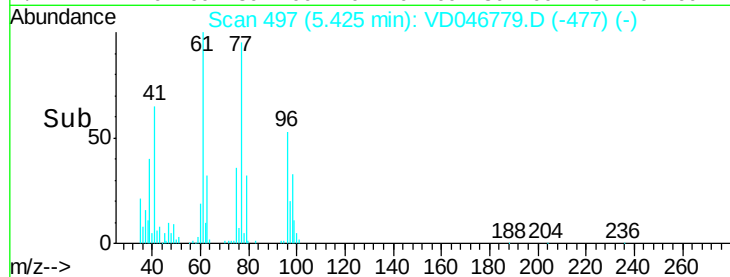
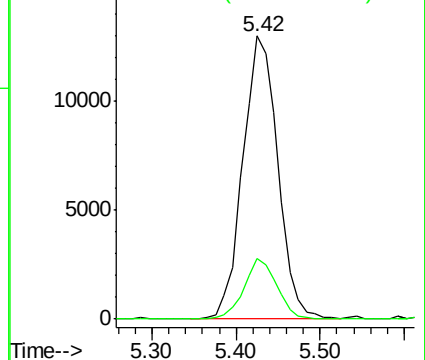
77 100

97 21.5 10.4 31.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#28

cis-1,2-Dichloroethene

Concen: 9.04 ug/l

RT: 5.43 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

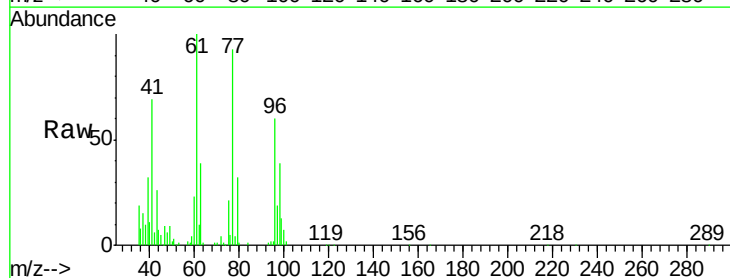
Tgt Ion: 96 Resp: 19158

Ion Ratio Lower Upper

96 100

61 167.3 0.0 348.0

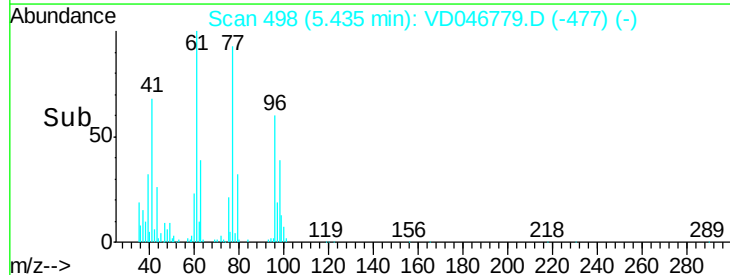
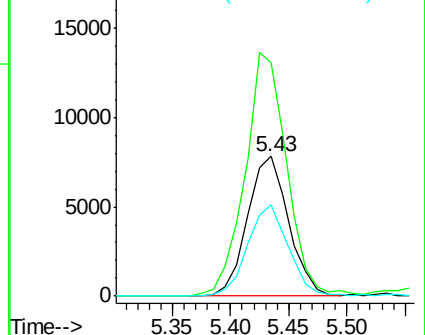
98 65.7 0.0 128.8

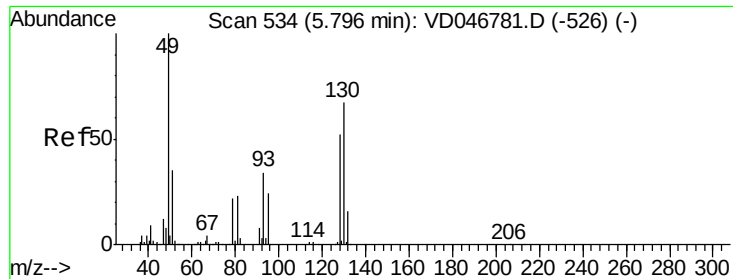


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Bromochloromethane

Concen: 10.14 ug/l

RT: 5.79 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

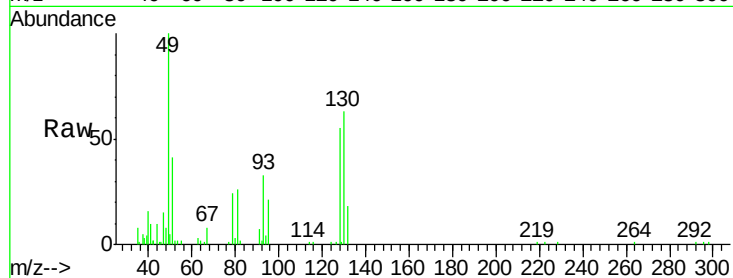
Tot Ion: 49 Resp: 15145

Ion Ratio Lower Upper

49 100

129 1.5 0.0 2.8

130 62.6 50.2 75.4



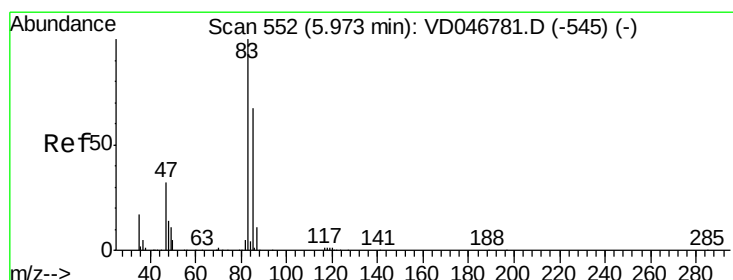
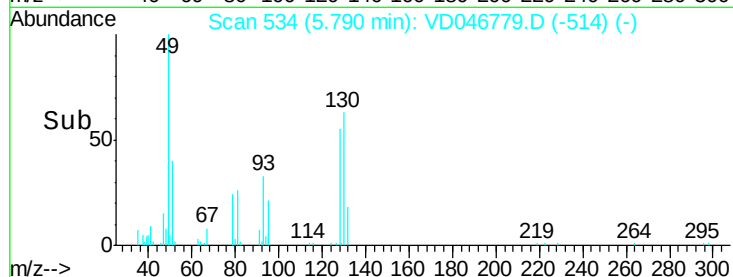
Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

5.79

Time-->



#30

Chloroform

Concen: 10.55 ug/l

RT: 5.98 min Scan# 553

Delta R.T. 0.00 min

Lab File: VD046779.D

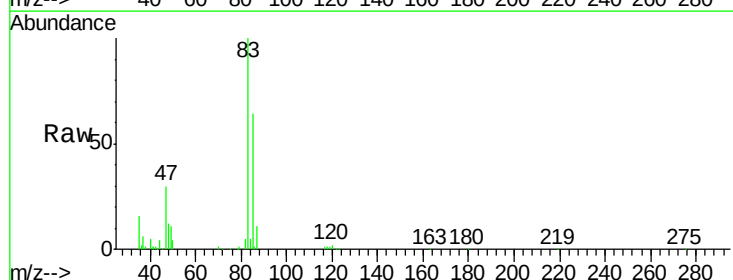
Acq: 18 Sep 2015 12:22

Tgt Ion: 83 Resp: 44938

Ion Ratio Lower Upper

83 100

85 63.6 52.5 78.7

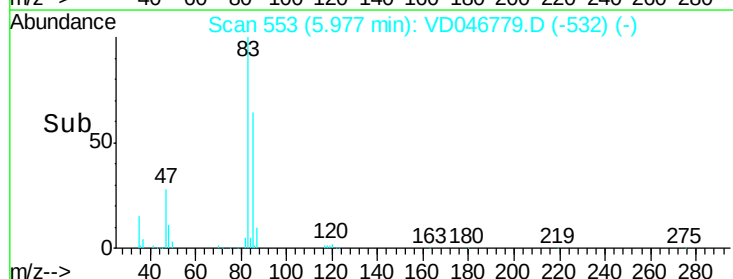


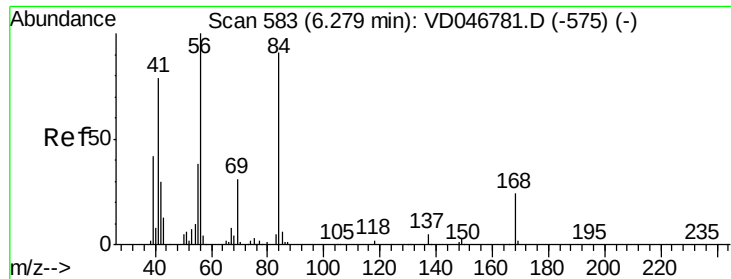
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

5.98

Time-->

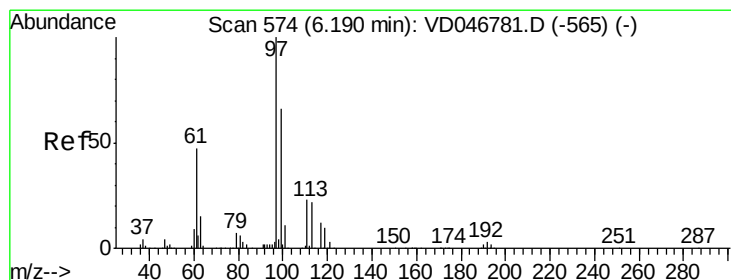
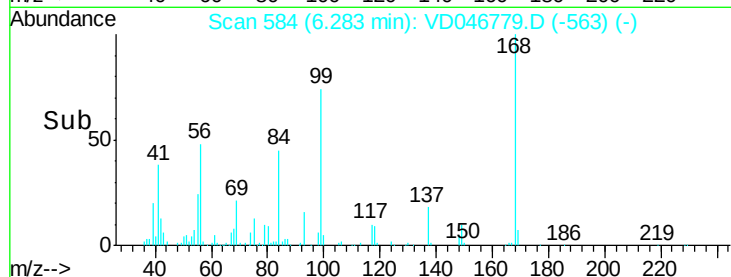
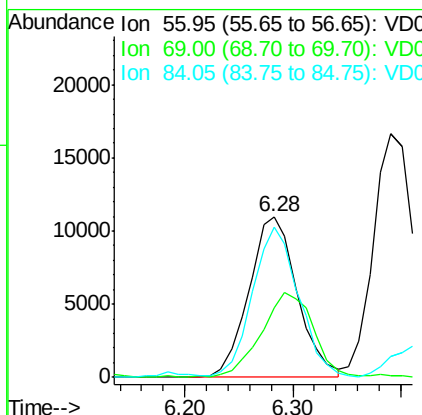
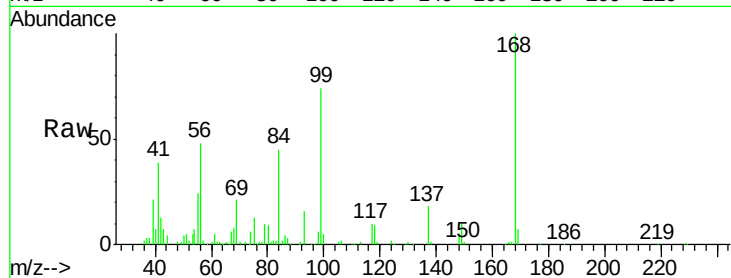




#31
Cyclohexane
Concen: 9.21 ug/l
RT: 6.28 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

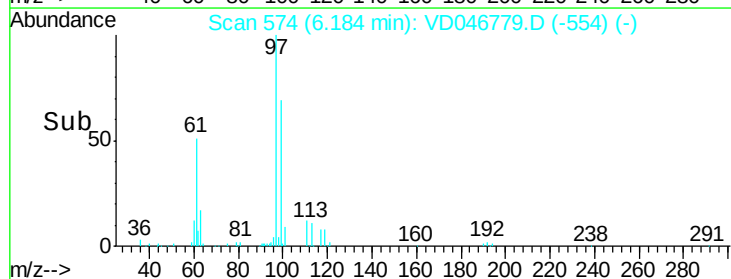
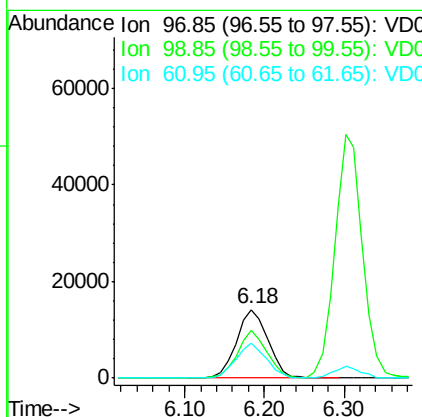
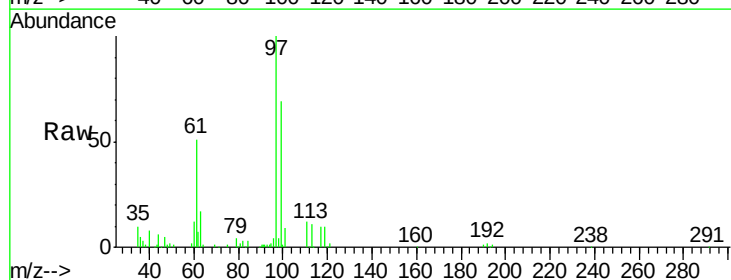
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

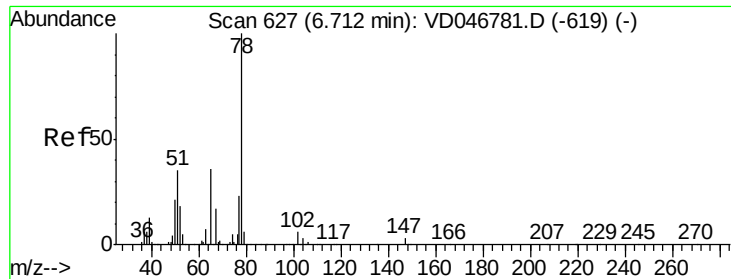
Tot Ion: 56 Resp: 33973
Ion Ratio Lower Upper
56 100
69 43.5 23.4 35.0#
84 93.4 63.8 95.8



#32
1,1,1-Trichloroethane
Concen: 10.71 ug/l
RT: 6.18 min Scan# 574
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 97 Resp: 38873
Ion Ratio Lower Upper
97 100
99 69.0 50.2 75.4
61 50.9 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 10.71 ug/l

RT: 6.72 min Scan# 628

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

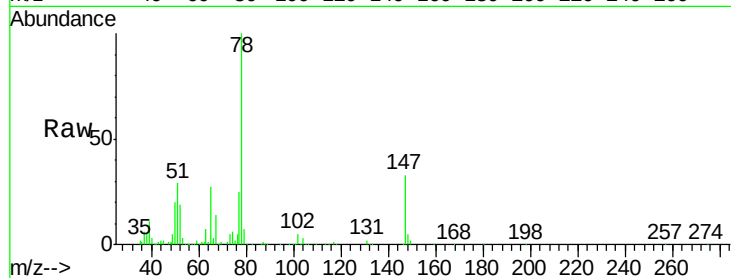
VSTDIC010

Tot Ion: 65 Resp: 22118

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.72

10000

8000

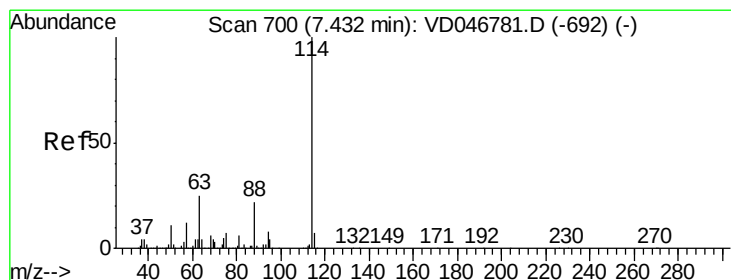
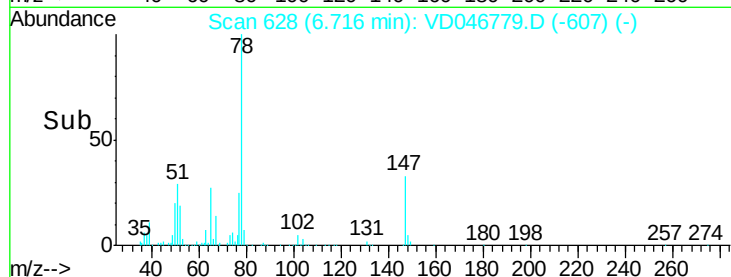
6000

4000

2000

0

Time--> 6.60 6.65 6.70 6.75 6.80



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

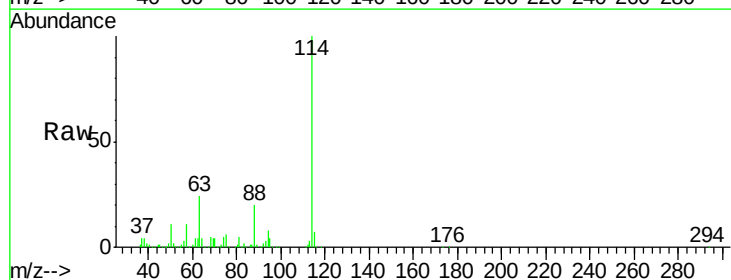
Tgt Ion: 114 Resp: 261002

Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.8

88 20.3 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

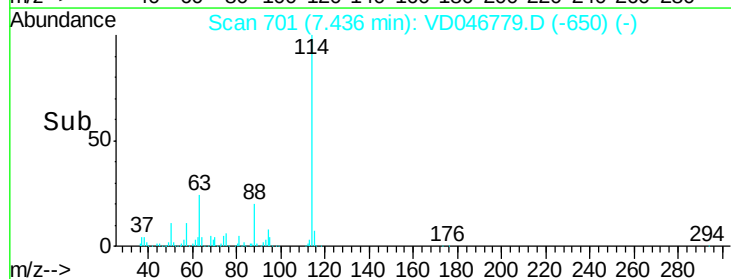
150000

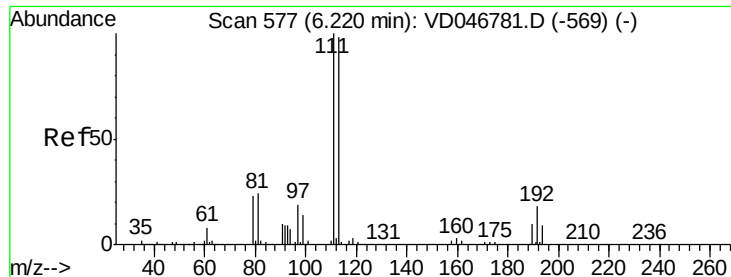
100000

50000

0

Time--> 7.30 7.40 7.50 7.60

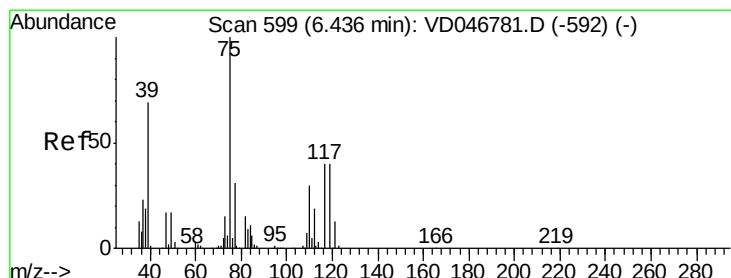
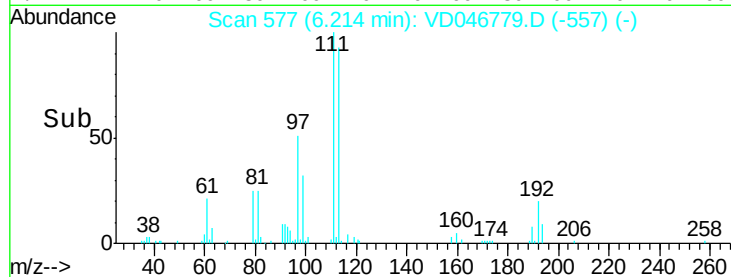
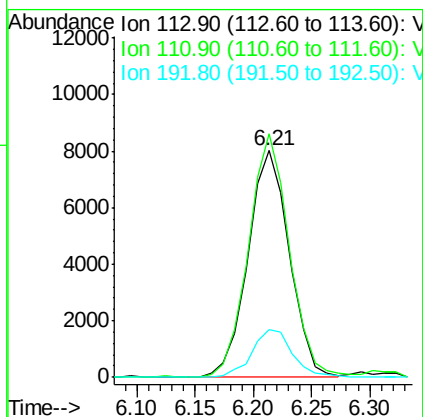
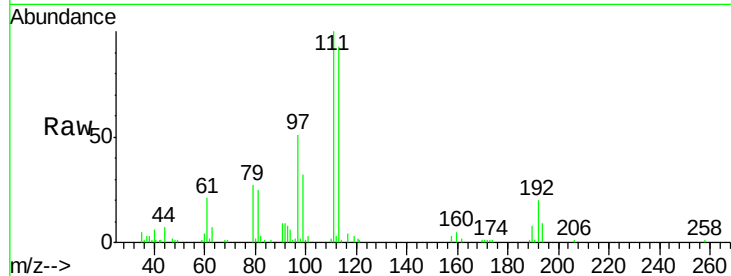




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.21 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

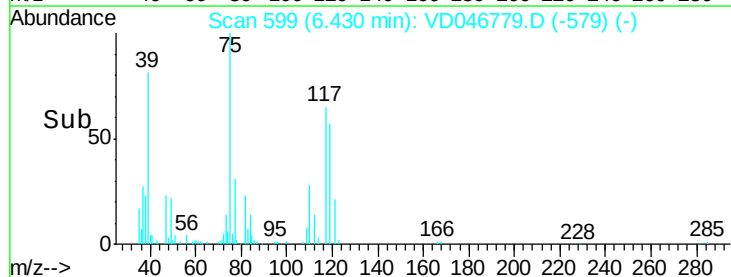
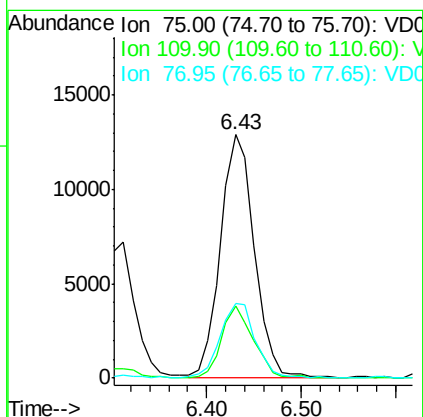
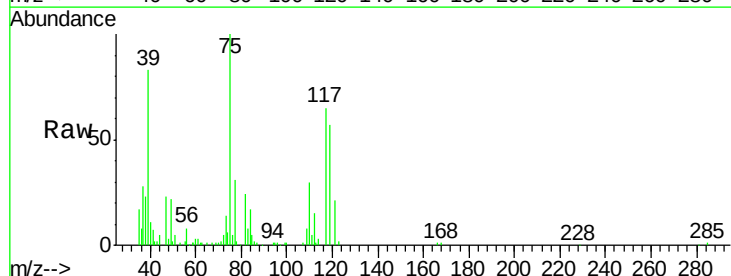
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

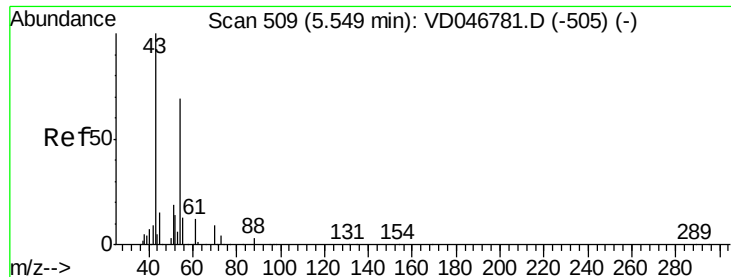
Tot Ion	Ratio	Lower	Upper
113	100		
111	107.4	79.4	119.0
192	21.2	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 9.99 ug/l
 RT: 6.43 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.7	13.7	41.0
77	30.6	24.7	37.1

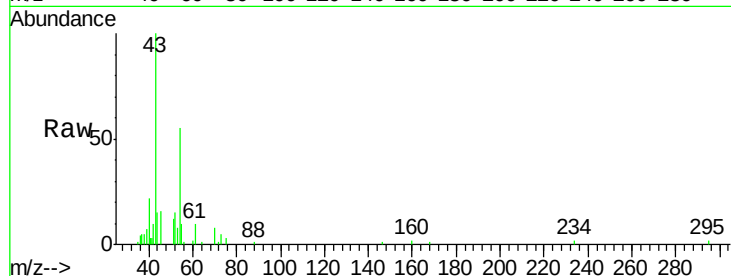




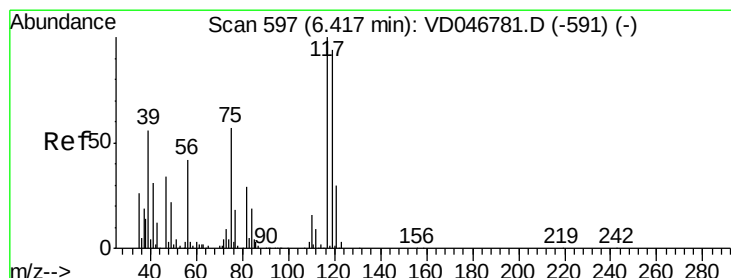
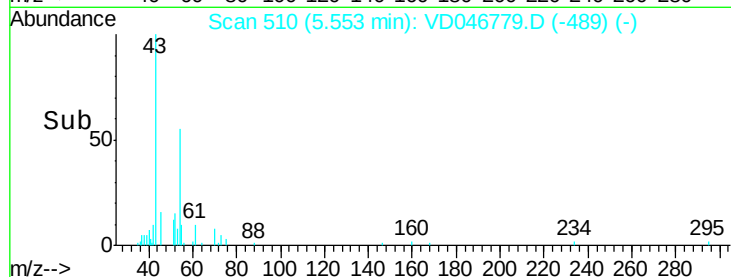
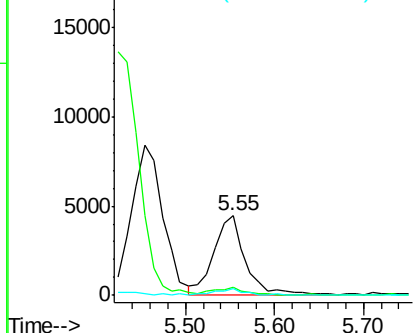
#37
Ethyl Acetate
Concen: 11.33 ug/l
RT: 5.55 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 11200
Ion Ratio Lower Upper
43 100
61 9.9 9.4 14.2
70 8.1 6.0 9.0

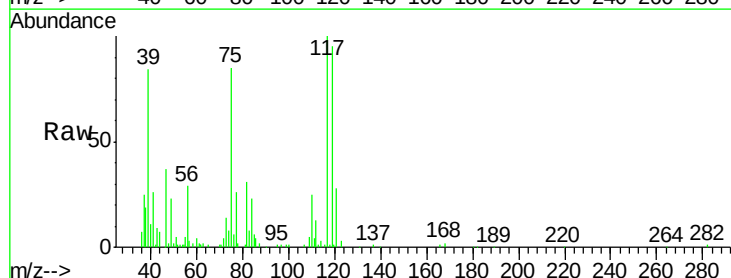


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

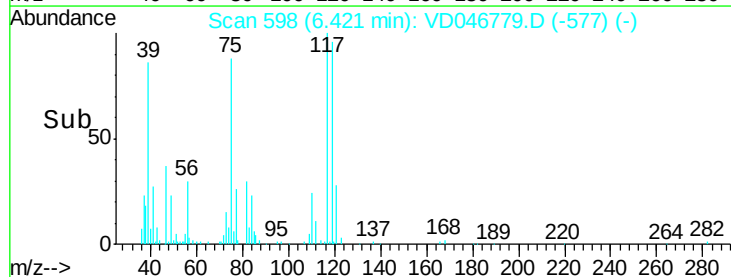
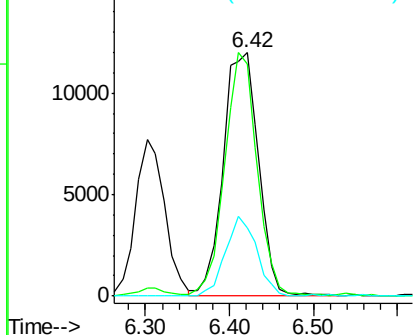


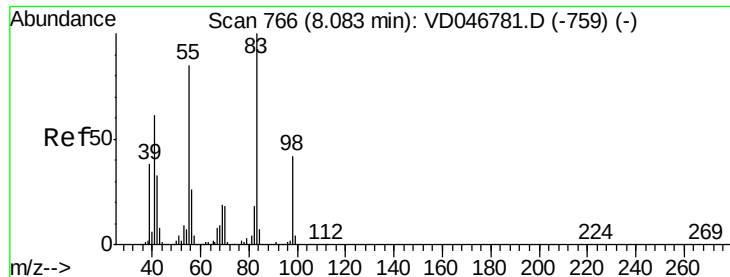
#38
Carbon Tetrachloride
Concen: 11.49 ug/l
RT: 6.42 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 117 Resp: 35053
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4
121 28.1 24.5 36.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

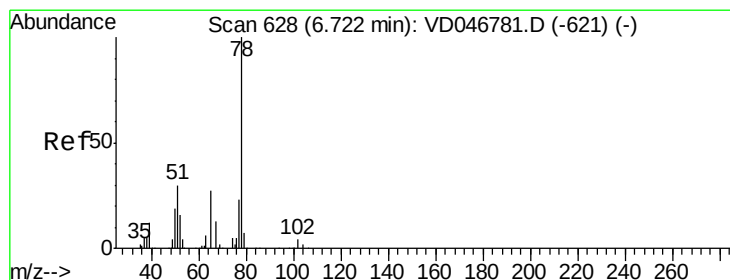
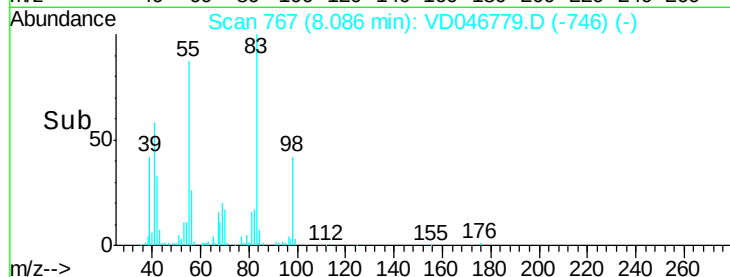
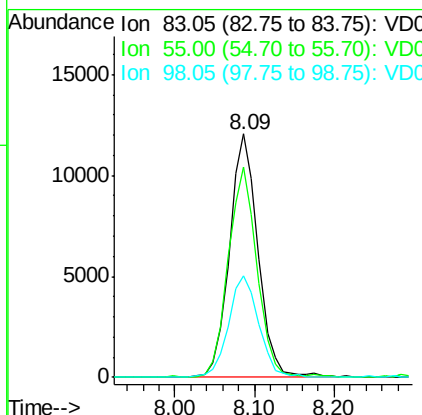
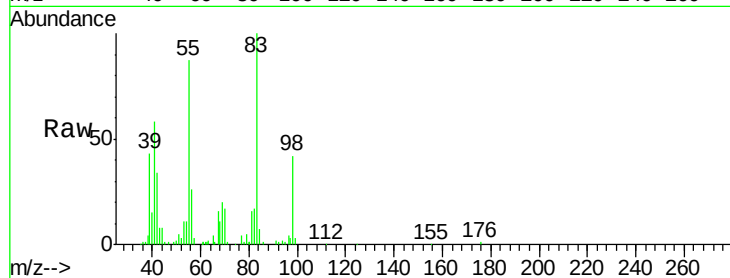




#39
Methylvlcyclohexane
Concen: 8.79 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

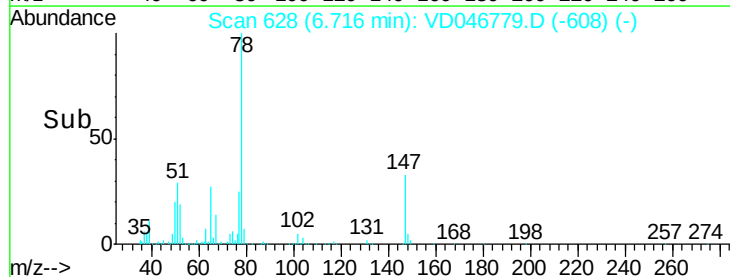
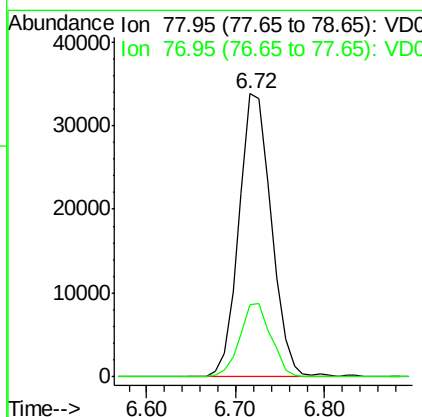
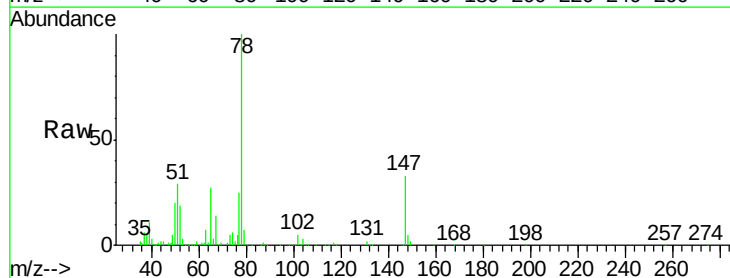
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

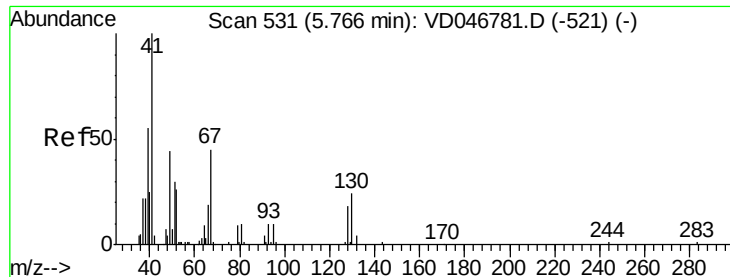
Tot Ion: 83 Resp: 30133
Ion Ratio Lower Upper
83 100
55 86.7 71.1 106.7
98 41.6 34.6 51.8



#40
Benzene
Concen: 10.43 ug/l
RT: 6.72 min Scan# 628
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 78 Resp: 85580
Ion Ratio Lower Upper
78 100
77 25.4 19.9 29.9





#41

Methacrylonitrile

Concen: 8.54 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 5360

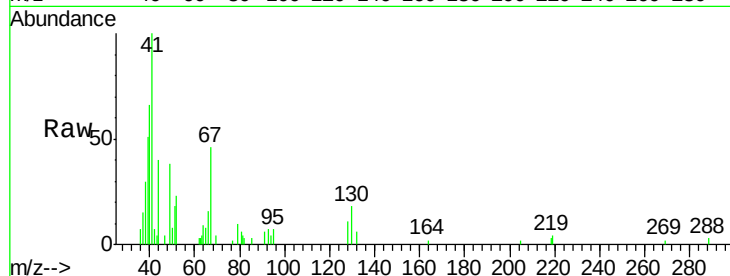
Ion Ratio Lower Upper

41 100

39 51.0 40.2 60.4

67 46.0 32.0 48.0

52 22.9 13.8 20.8#

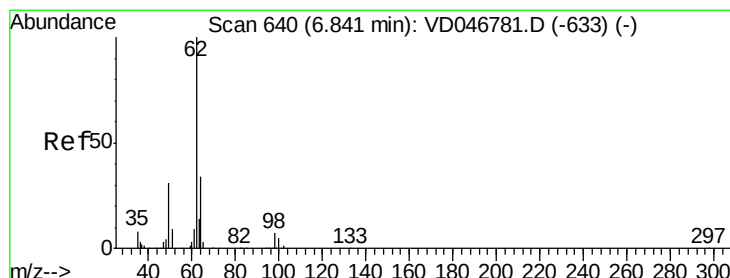
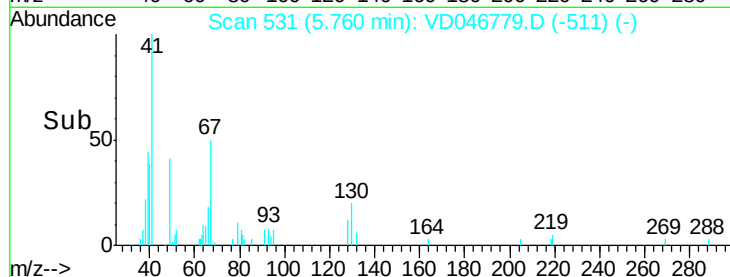
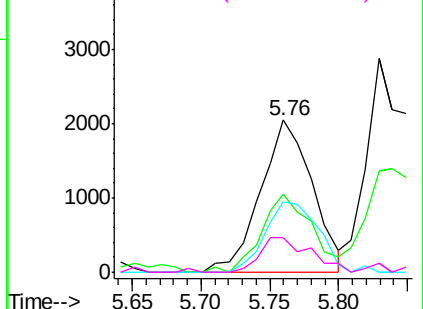


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 11.09 ug/l

RT: 6.83 min Scan# 640

Delta R.T. -0.01 min

Lab File: VD046779.D

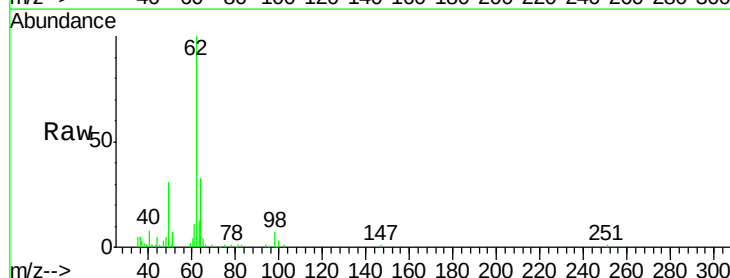
Acq: 18 Sep 2015 12:22

Tgt Ion: 62 Resp: 26448

Ion Ratio Lower Upper

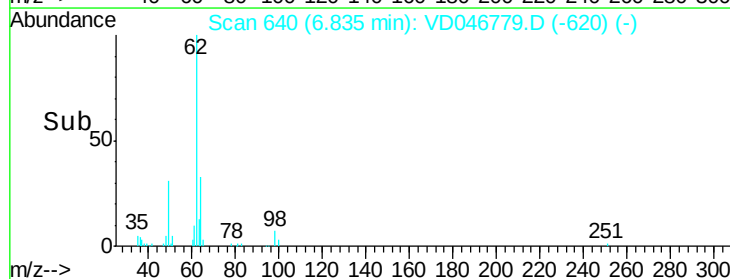
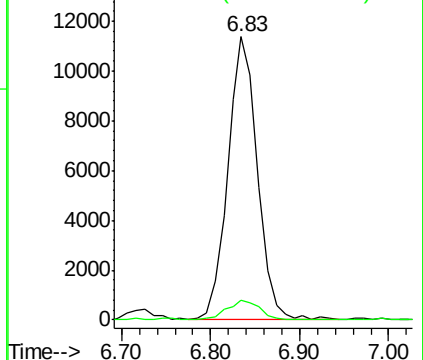
62 100

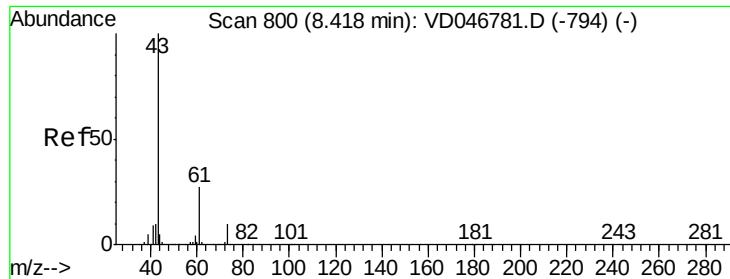
98 7.0 0.0 16.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 8.19 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

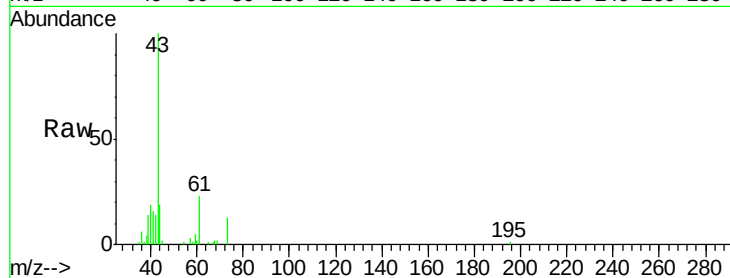
Tot Ion: 43 Resp: 11440

Ion Ratio Lower Upper

43 100

61 22.6 19.5 29.3

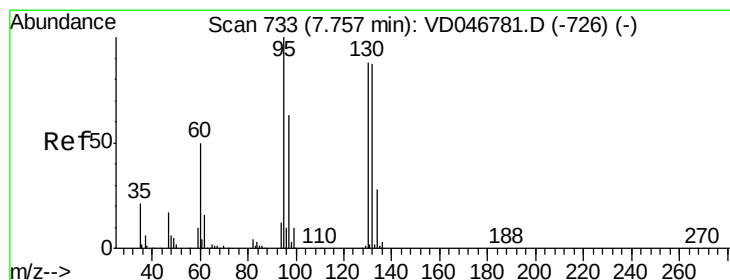
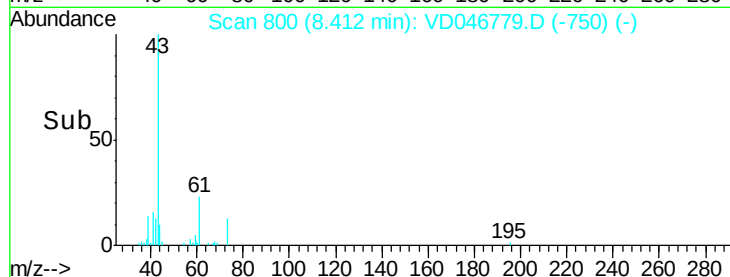
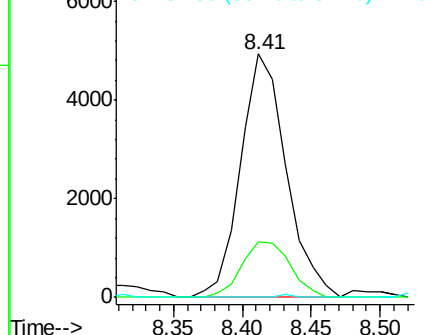
87 0.0 0.2 0.2#



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: 10.02 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VD046779.D

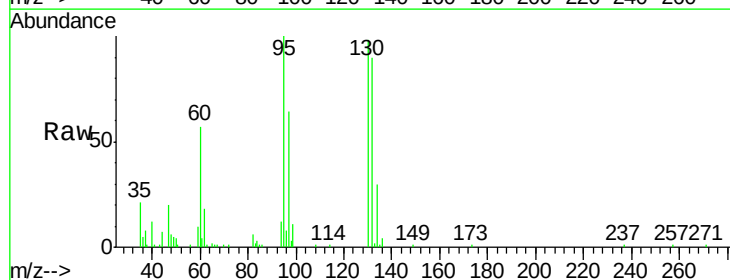
Acq: 18 Sep 2015 12:22

Tgt Ion: 130 Resp: 21079

Ion Ratio Lower Upper

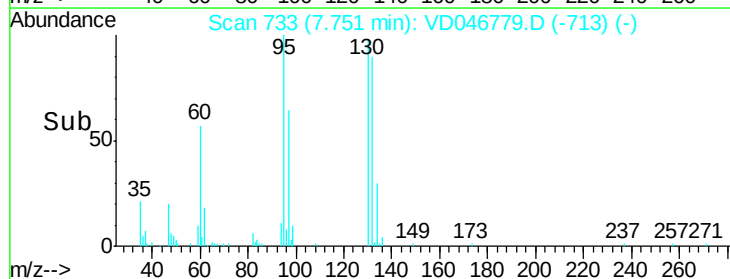
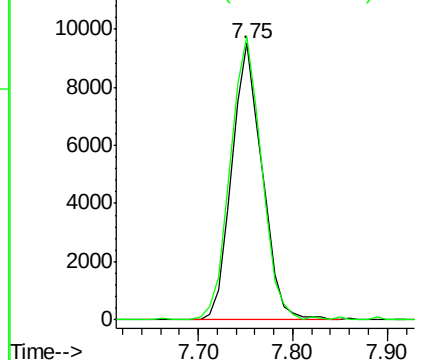
130 100

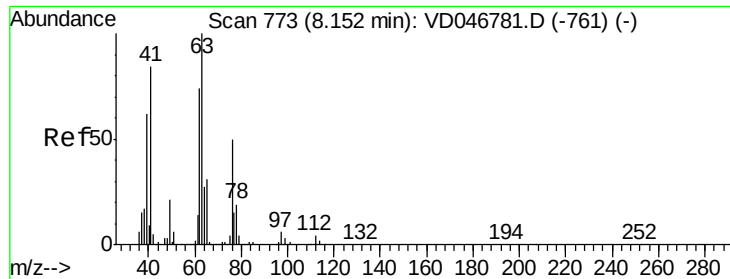
95 102.3 0.0 229.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

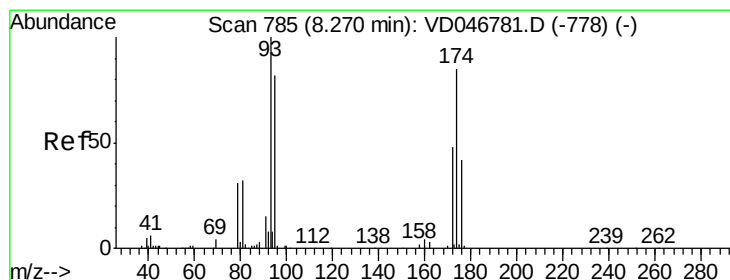
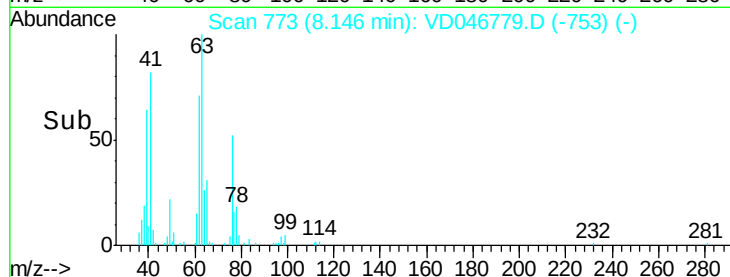
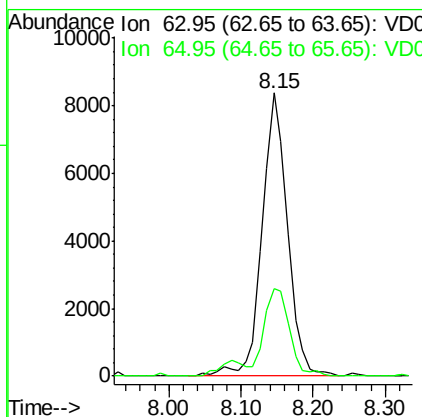
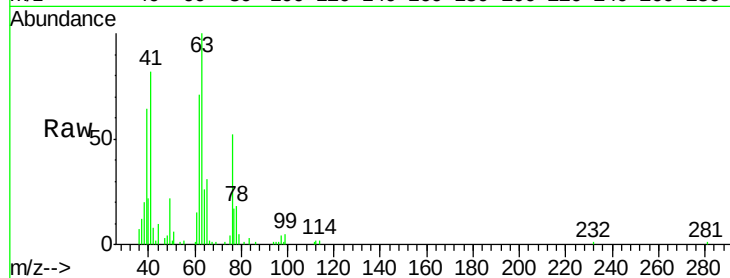




#45
 1,2-Dichloropropane
 Concen: 9.99 ug/l
 RT: 8.15 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

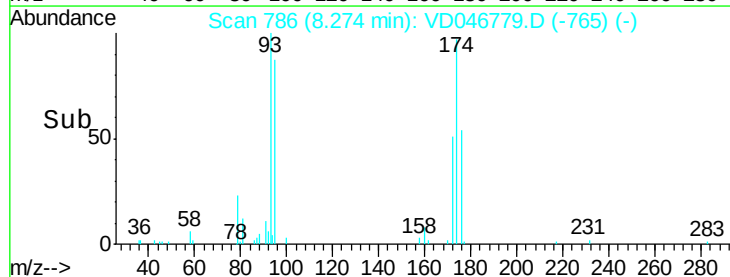
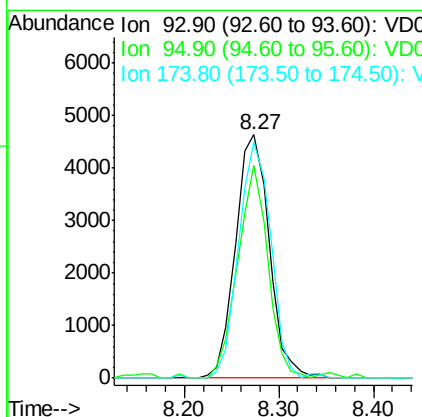
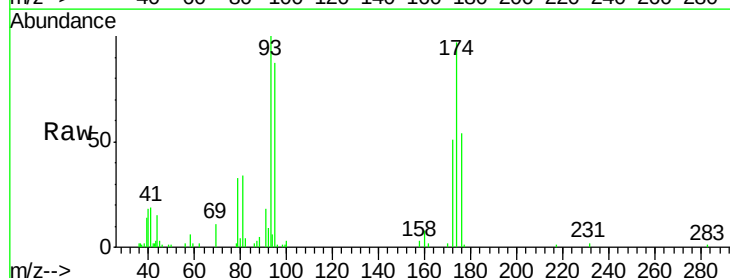
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

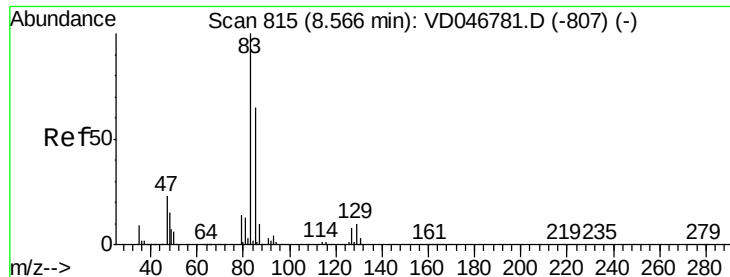
Tot Ion: 63 Resp: 20536
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.1 37.7



#46
 Dibromomethane
 Concen: 10.72 ug/l
 RT: 8.27 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 93 Resp: 11486
 Ion Ratio Lower Upper
 93 100
 95 87.3 70.2 105.2
 174 96.9 79.0 118.4





#47

Bromodichloromethane

Concen: 10.61 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

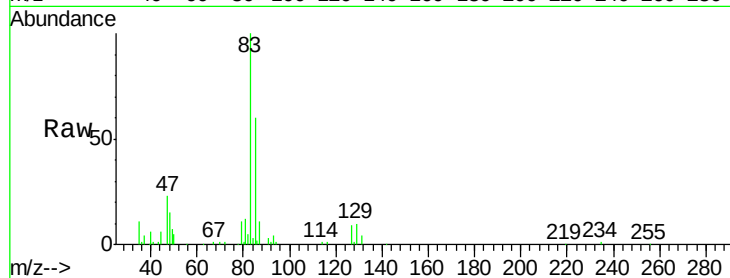
Tot Ion: 83 Resp: 30094

Ion Ratio Lower Upper

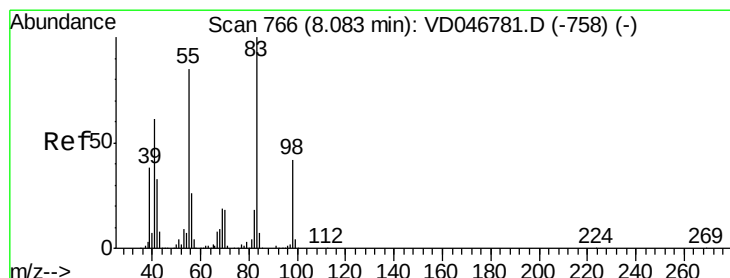
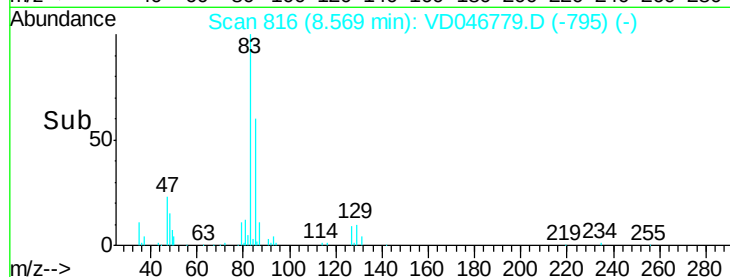
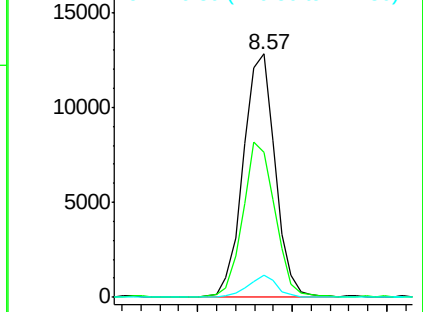
83 100

85 59.5 52.6 78.8

127 9.1 5.7 8.5#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 8.75 ug/l

RT: 8.09 min Scan# 767

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

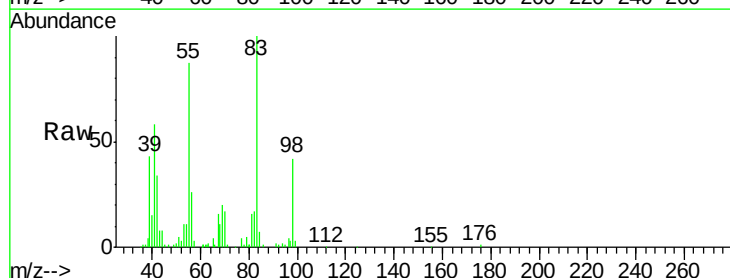
Tgt Ion: 41 Resp: 19136

Ion Ratio Lower Upper

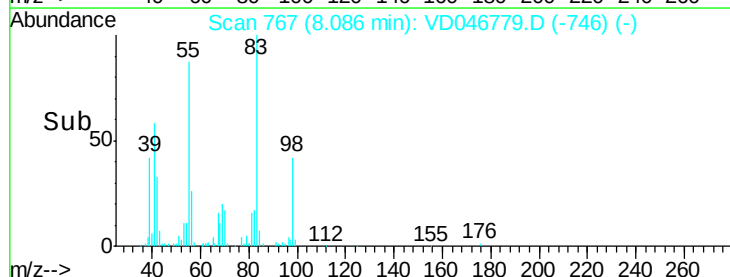
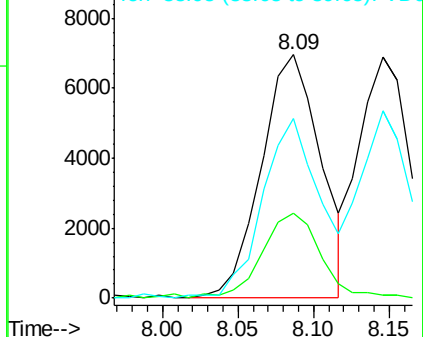
41 100

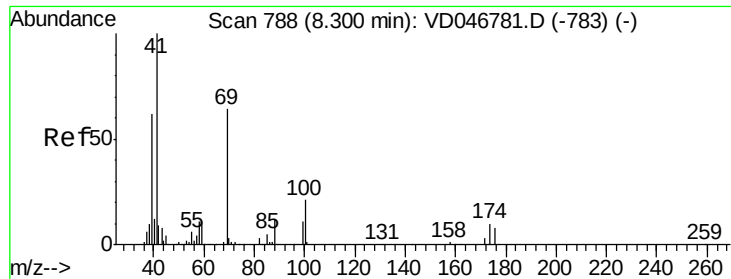
69 34.6 25.3 37.9

39 74.0 47.4 71.0#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

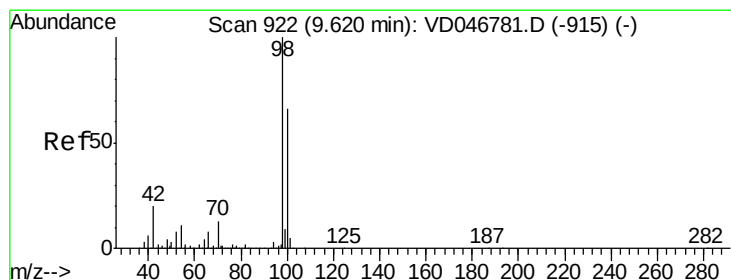
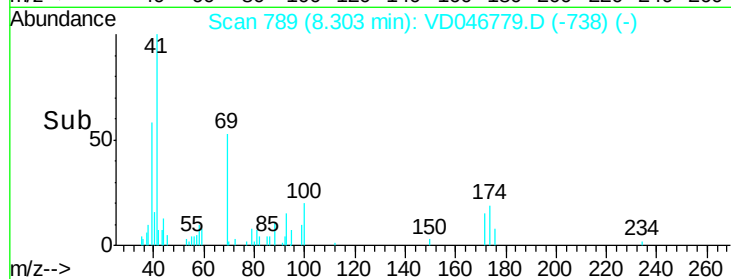
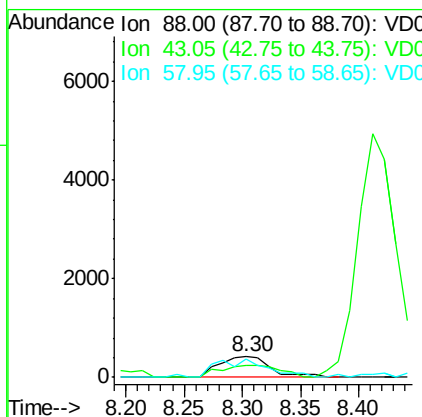
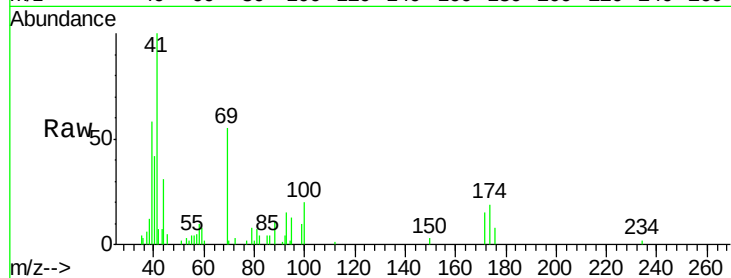




#49
 1,4-Dioxane
 Concen: 183.75 ug/l
 RT: 8.30 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

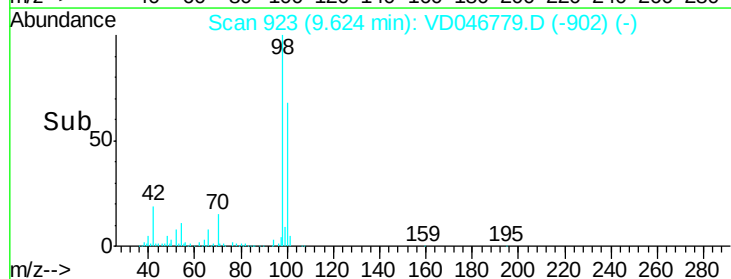
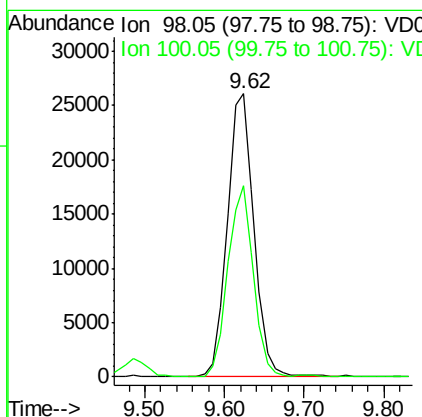
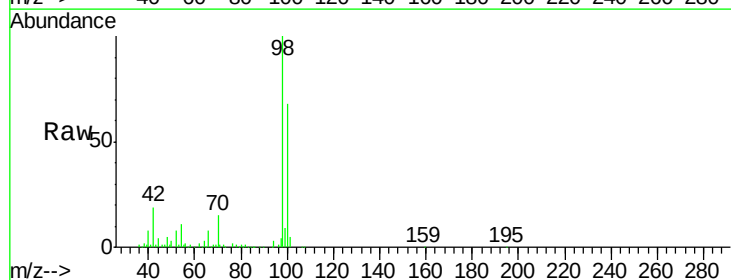
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

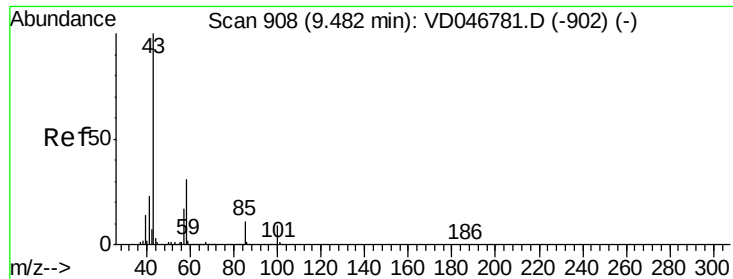
Tot Ion: 88 Resp: 1302
 Ion Ratio Lower Upper
 88 100
 43 60.2 50.0 75.0
 58 92.7 48.3 72.5#



#50
 Toluene-d8
 Concen: 183.75 ug/l
 RT: 9.62 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 98 Resp: 61277
 Ion Ratio Lower Upper
 98 100
 100 67.6 49.9 74.9





#51

4-Methyl-2-Pentanone

Concen: 44.11 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

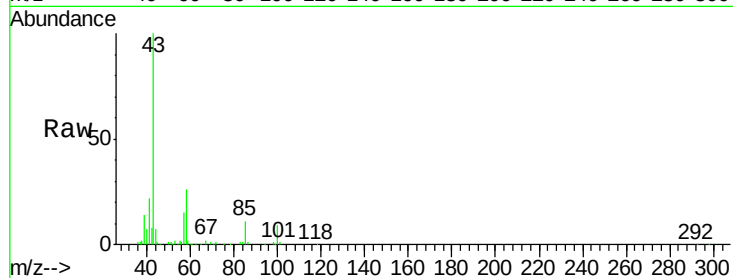
VSTDIC010

Tot Ion: 43 Resp: 42980

Ion Ratio Lower Upper

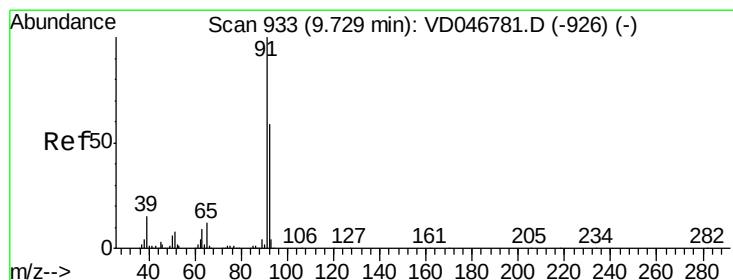
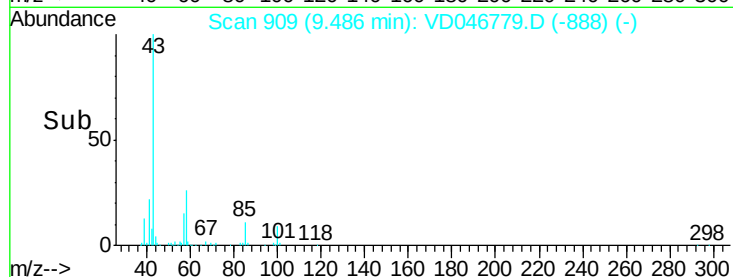
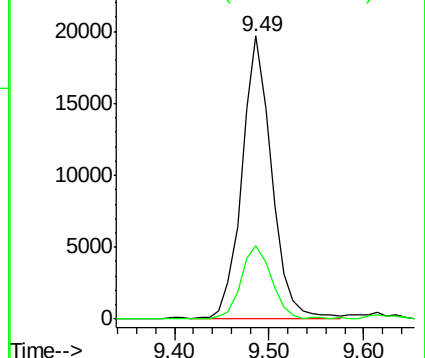
43 100

58 26.1 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: 10.00 ug/l

RT: 9.72 min Scan# 933

Delta R.T. -0.01 min

Lab File: VD046779.D

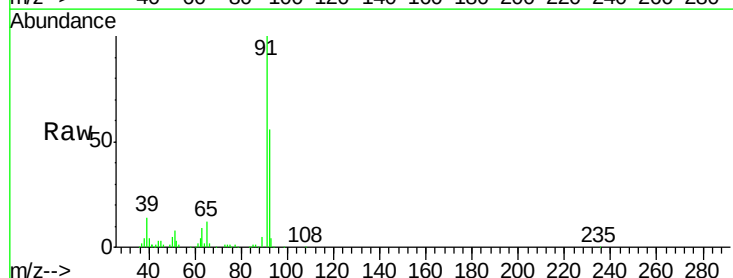
Acq: 18 Sep 2015 12:22

Tgt Ion: 92 Resp: 48935

Ion Ratio Lower Upper

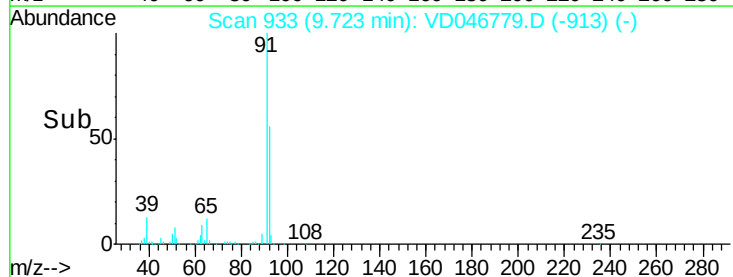
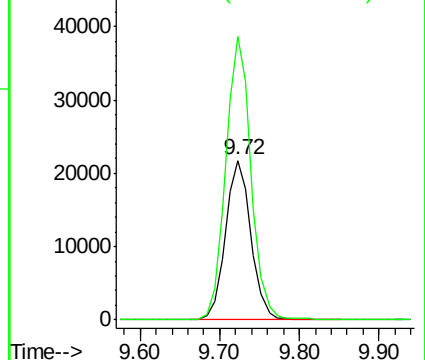
92 100

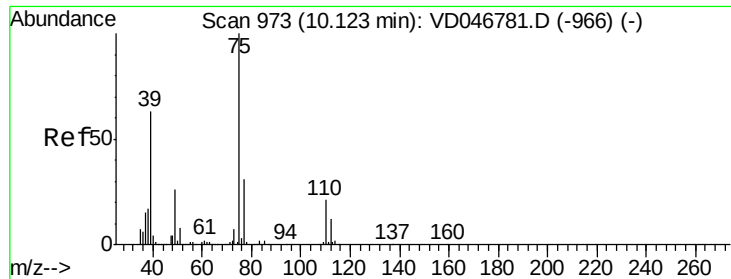
91 177.4 139.4 209.0



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: 9.28 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

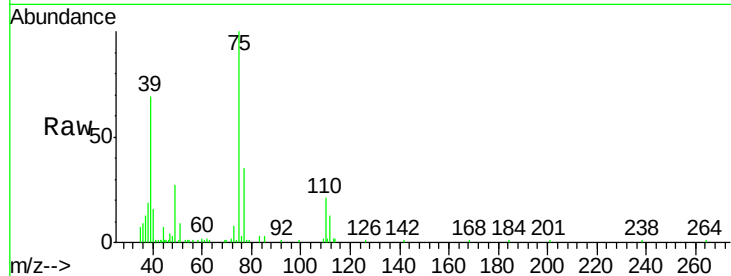
VSTDIC010

Tot Ion: 75 Resp: 19919

Ion Ratio Lower Upper

75 100

77 35.2 27.6 41.4

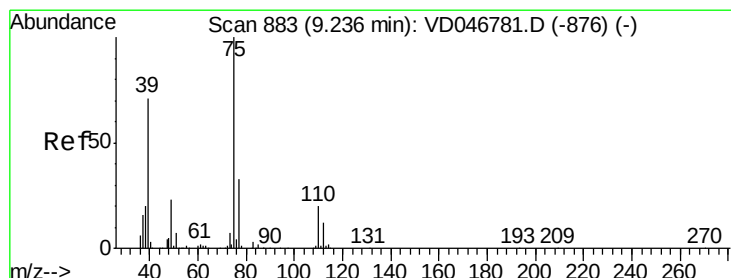
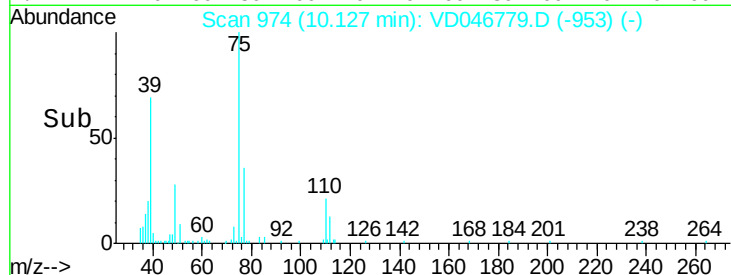


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.13

Time-->



#54

cis-1,3-Dichloropropene

Concen: 9.70 ug/l

RT: 9.23 min Scan# 883

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

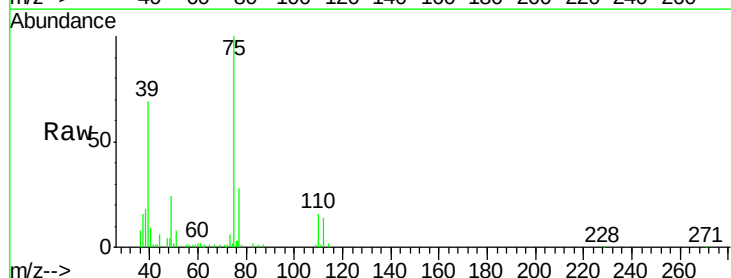
Tgt Ion: 75 Resp: 27473

Ion Ratio Lower Upper

75 100

77 27.6 23.8 35.6

39 68.8 53.0 79.6



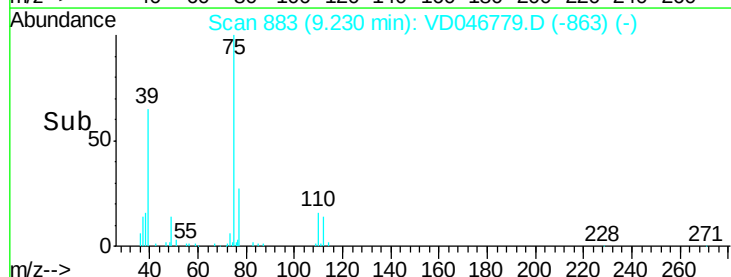
Abundance Ion 75.00 (74.70 to 75.70): VDC

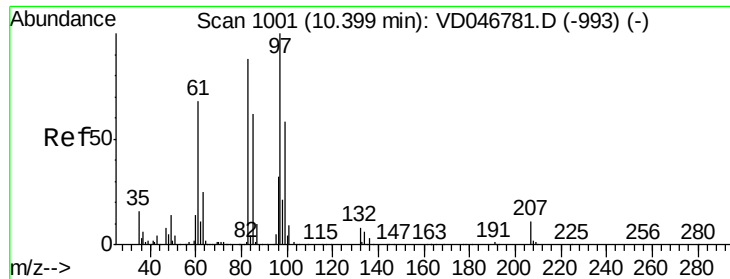
Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.23

Time-->

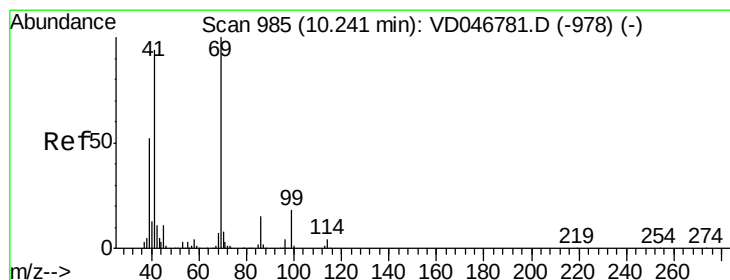
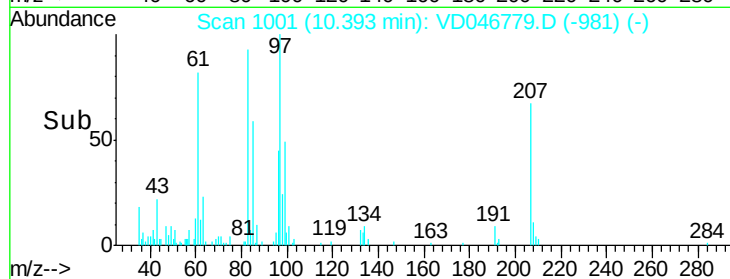
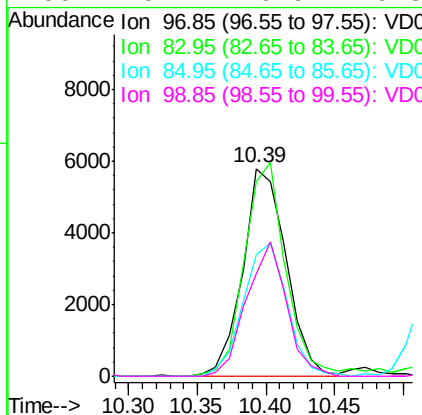
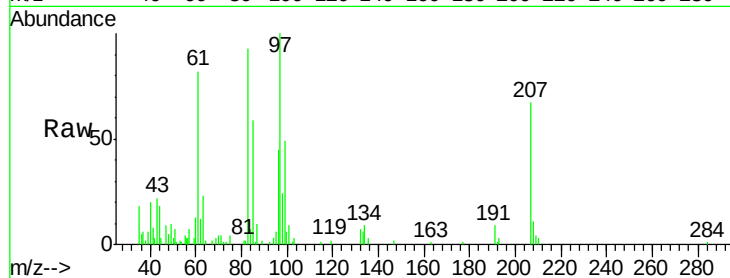




#55
 1,1,2-Trichloroethane
 Concen: 11.03 ug/l
 RT: 10.39 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

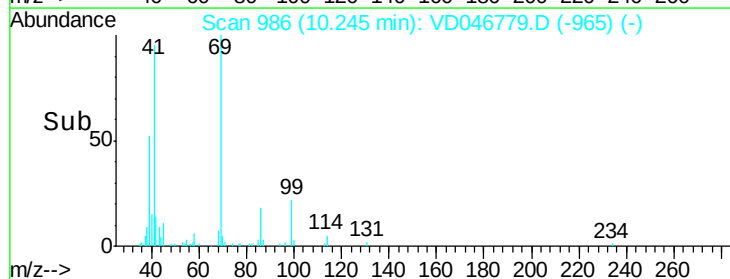
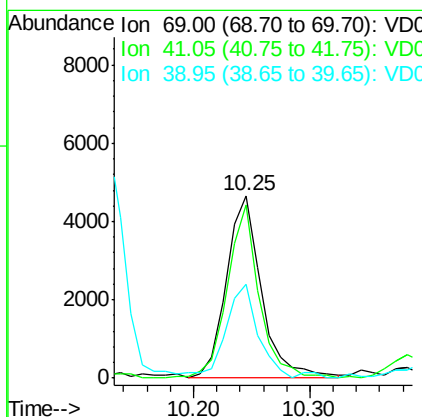
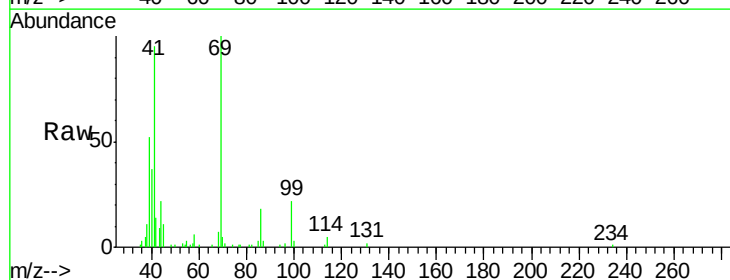
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

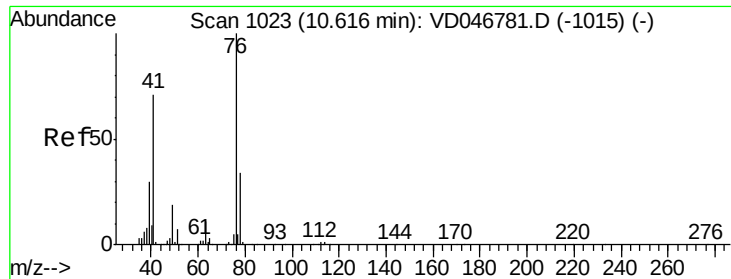
Tot Ion:	97	Resp:	12805
Ion	Ratio	Lower	Upper
97	100		
83	93.5	75.3	112.9
85	58.7	50.9	76.3
99	49.4	46.9	70.3



#56
 Ethyl methacrylate
 Concen: 8.72 ug/l
 RT: 10.25 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion:	69	Resp:	9737
Ion	Ratio	Lower	Upper
69	100		
41	95.3	75.4	113.0
39	51.7	41.0	61.4

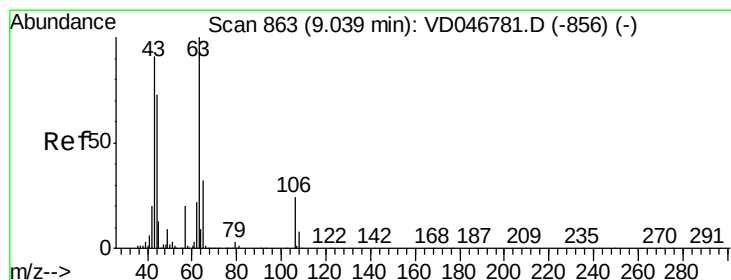
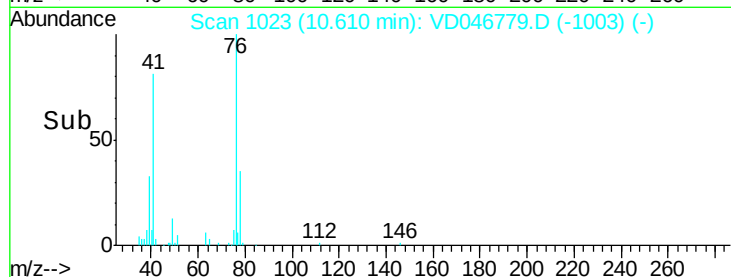
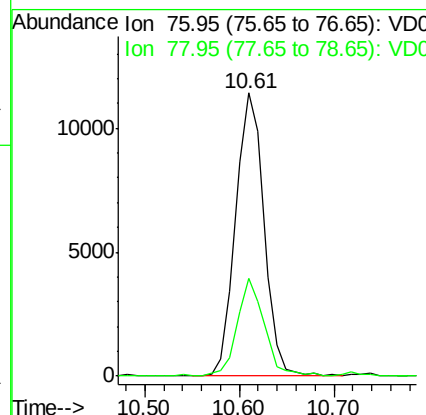
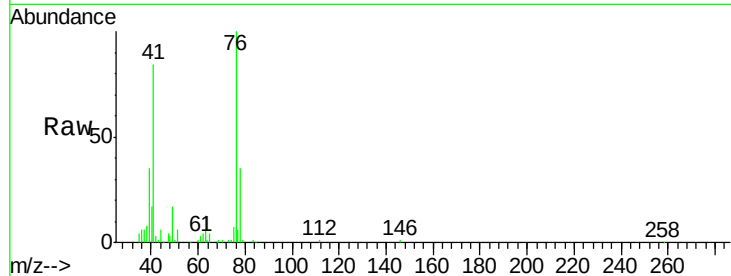




#57
 1,3-Dichloropropane
 Concen: 10.65 ug/l
 RT: 10.61 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

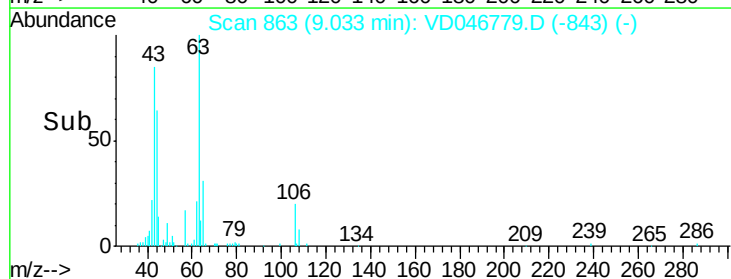
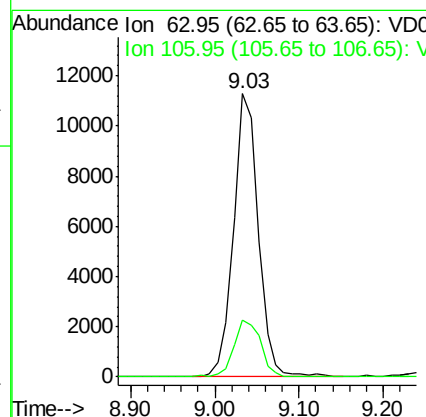
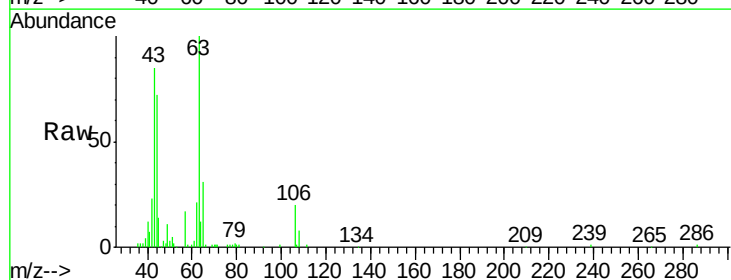
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

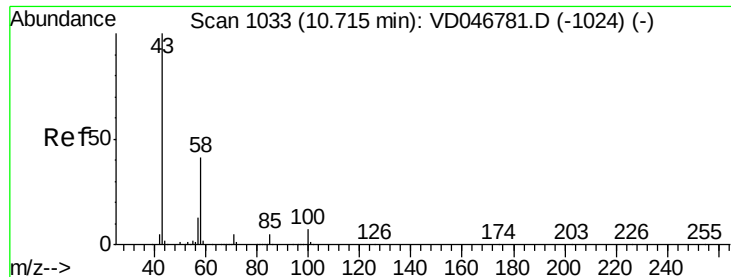
Tot Ion: 76 Resp: 23726
 Ion Ratio Lower Upper
 76 100
 78 34.6 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 37.52 ug/l
 RT: 9.03 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 63 Resp: 23114
 Ion Ratio Lower Upper
 63 100
 106 20.2 17.8 26.8

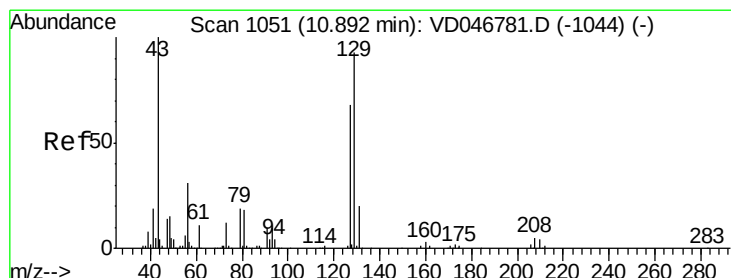
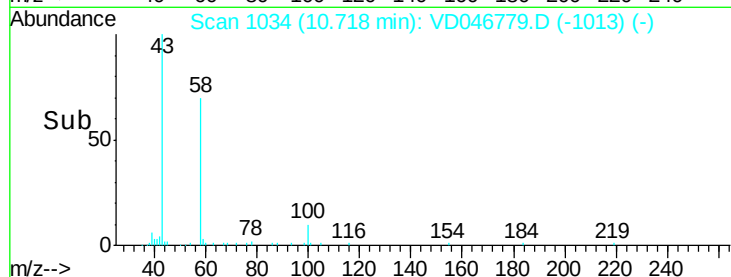
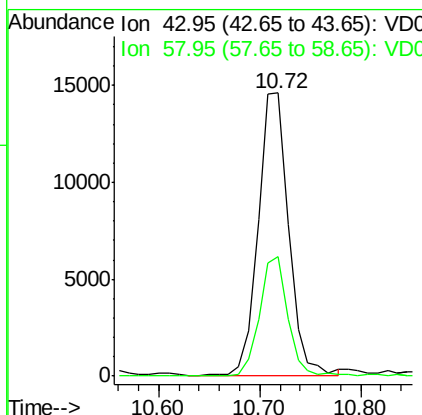
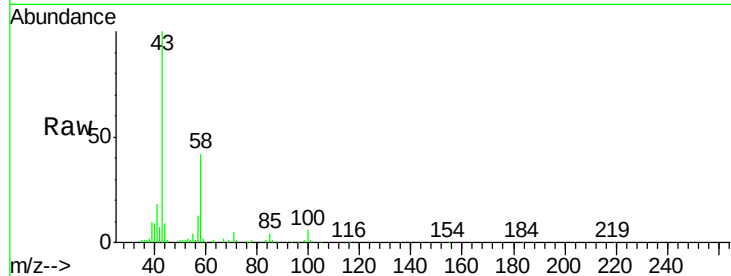




#59
2-Hexanone
Concen: 43.93 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

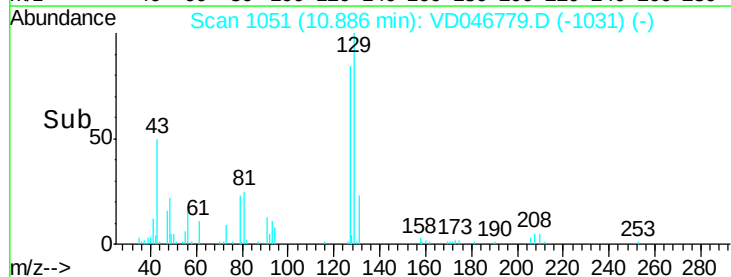
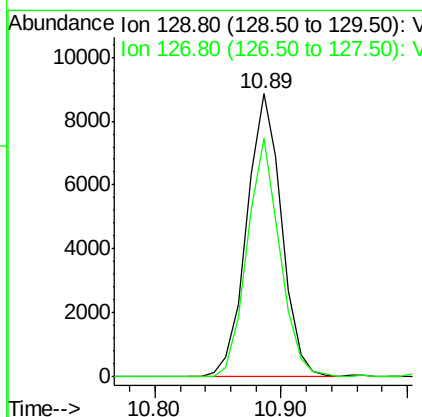
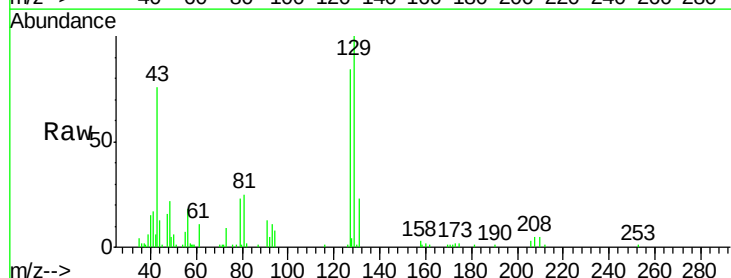
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

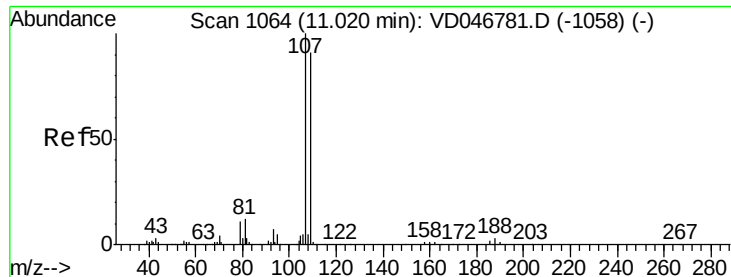
Tot Ion: 43 Resp: 30501
Ion Ratio Lower Upper
43 100
58 42.3 18.6 55.8



#60
Dibromochloromethane
Concen: 10.52 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 129 Resp: 17011
Ion Ratio Lower Upper
129 100
127 84.1 38.2 114.6

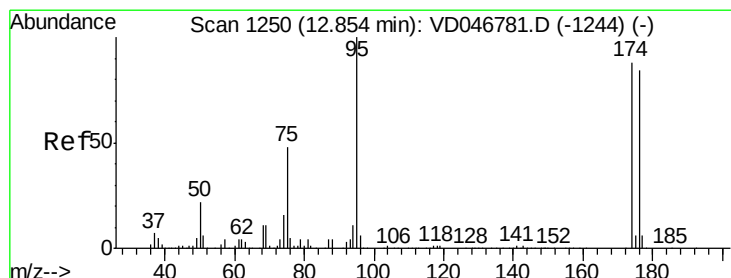
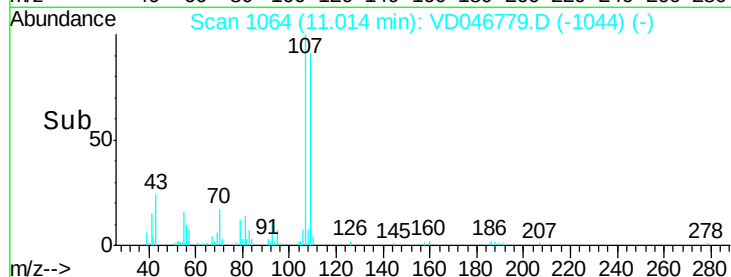
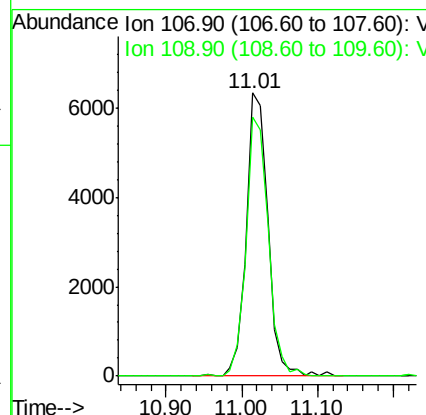
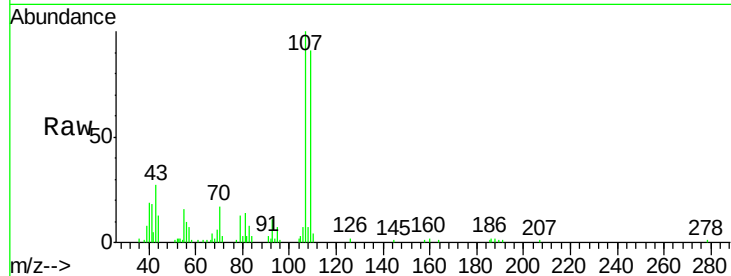




#61
 1,2-Dibromoethane
 Concen: 11.09 ug/l
 RT: 11.01 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

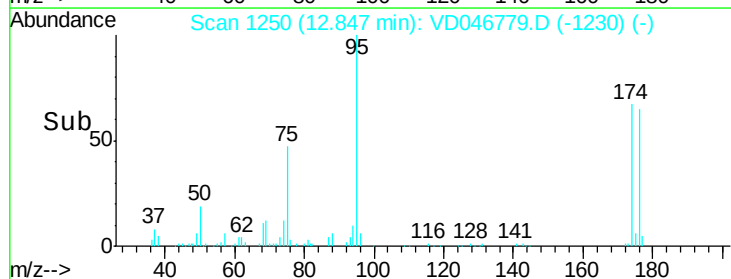
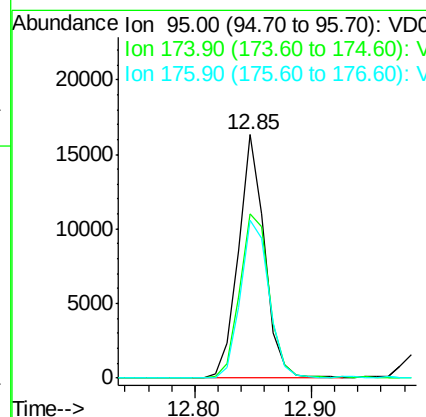
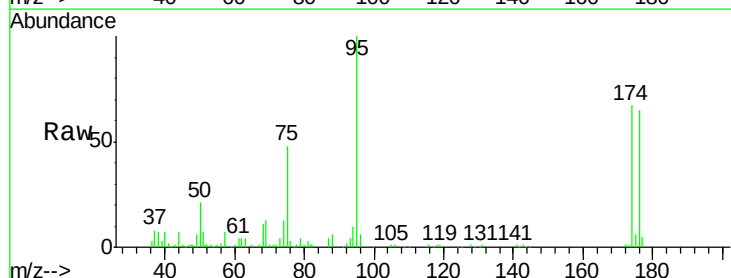
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

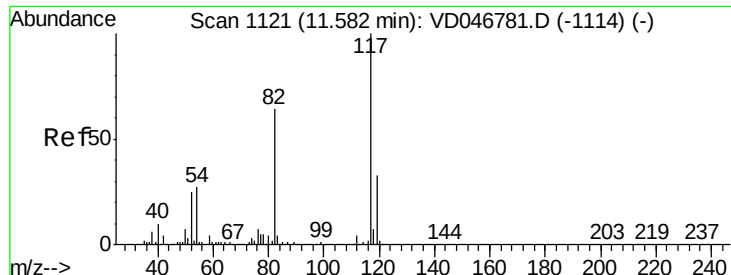
Tot Ion:107 Resp: 12538
 Ion Ratio Lower Upper
 107 100
 109 91.3 71.4 107.0



#62
 4-Bromofluorobenzene
 Concen: 11.09 ug/l
 RT: 12.85 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 95 Resp: 25330
 Ion Ratio Lower Upper
 95 100
 174 67.2 0.0 149.8
 176 65.1 0.0 143.4

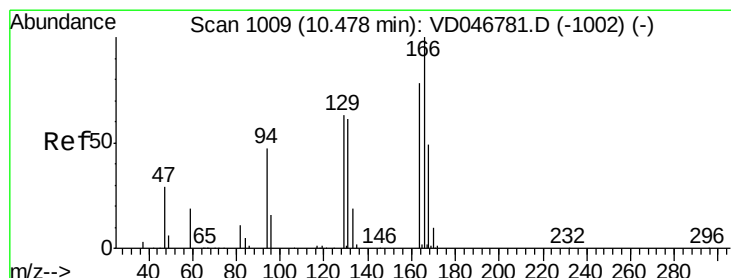
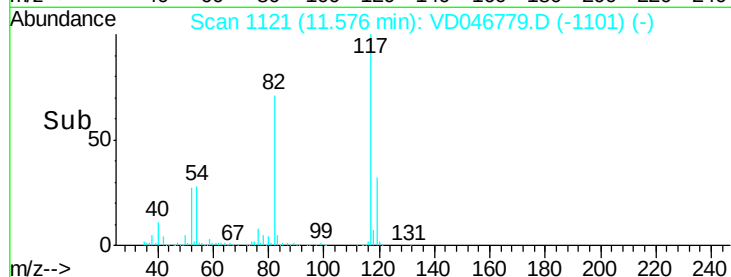
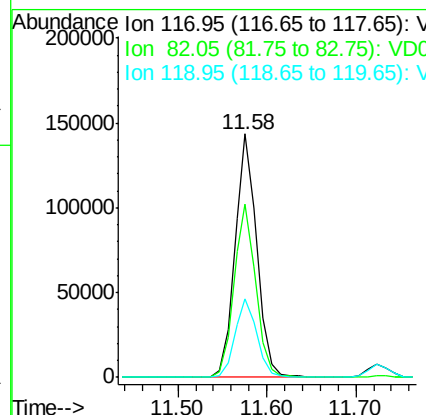
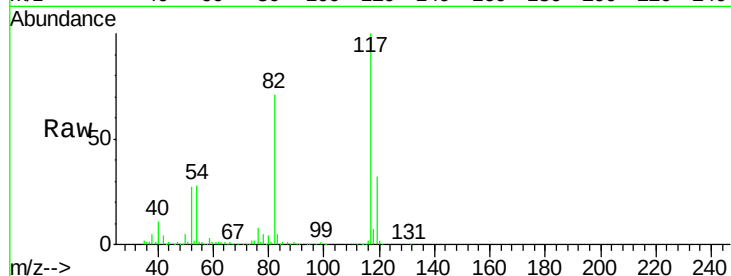




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

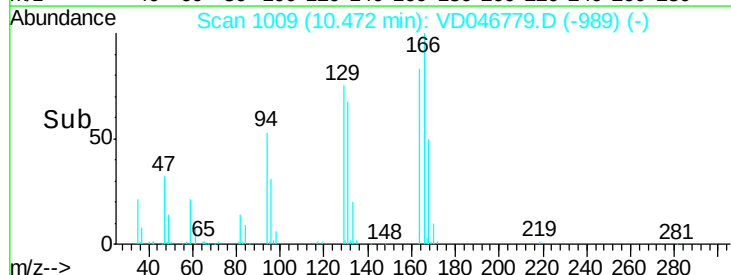
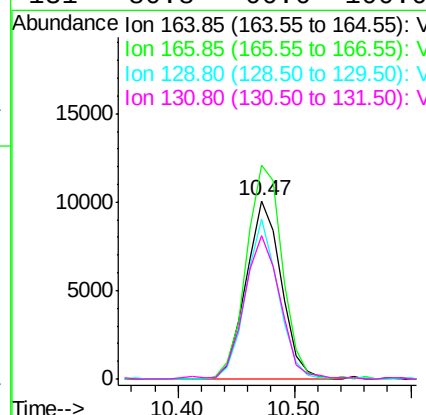
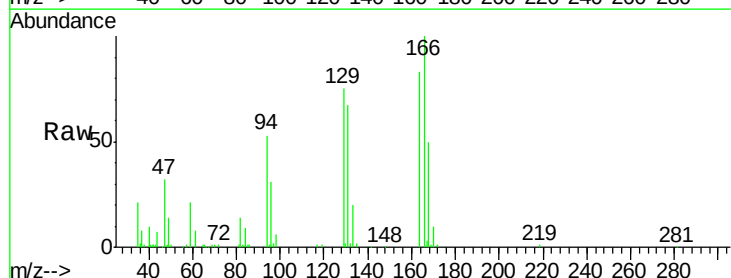
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

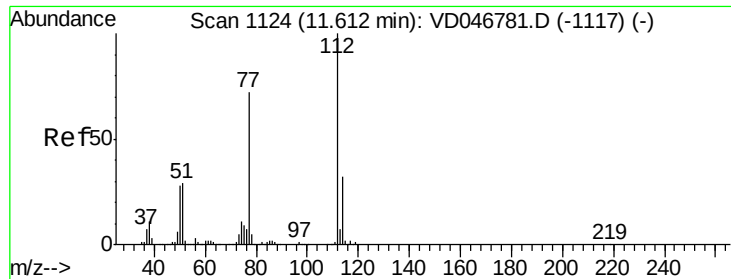
Tot Ion:117 Resp: 246886
Ion Ratio Lower Upper
117 100
82 71.1 50.6 75.8
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 9.53 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:164 Resp: 21050
Ion Ratio Lower Upper
164 100
166 120.0 106.8 160.2
129 89.9 70.6 106.0
131 80.8 66.6 100.0

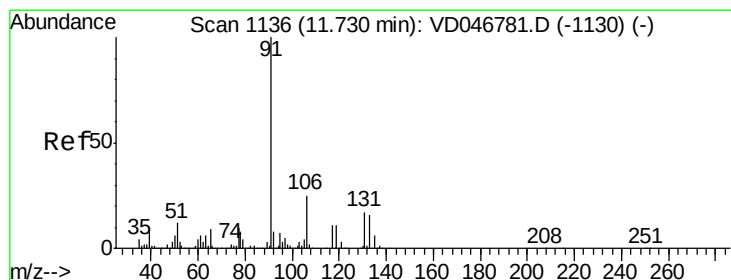
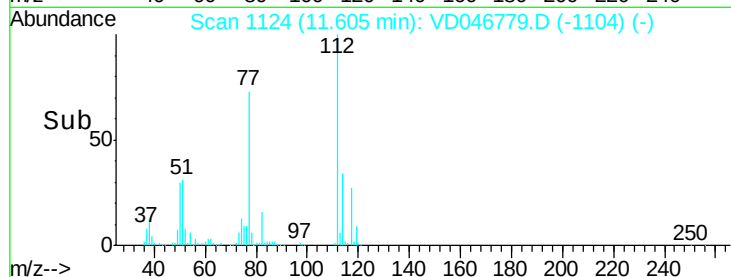
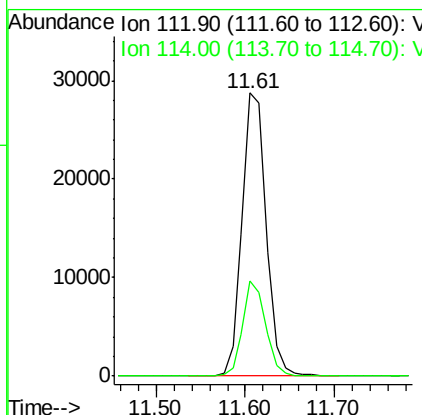
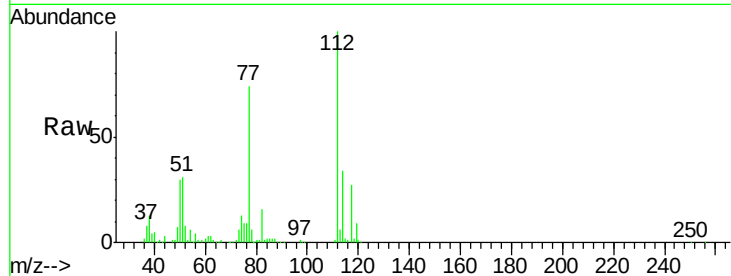




#65
Chlorobenzene
Concen: 9.96 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

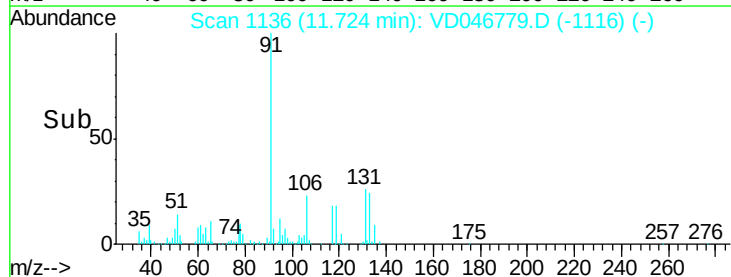
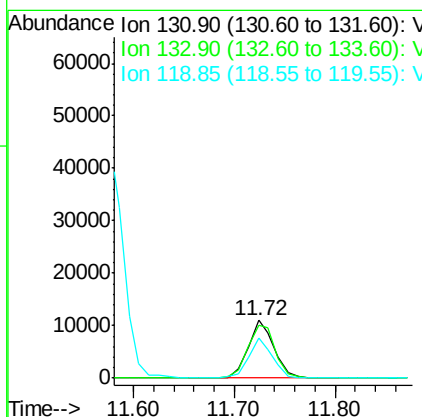
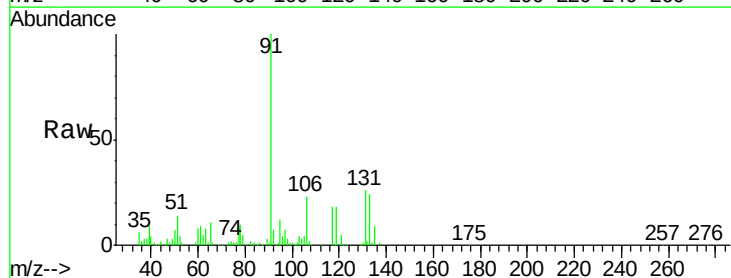
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

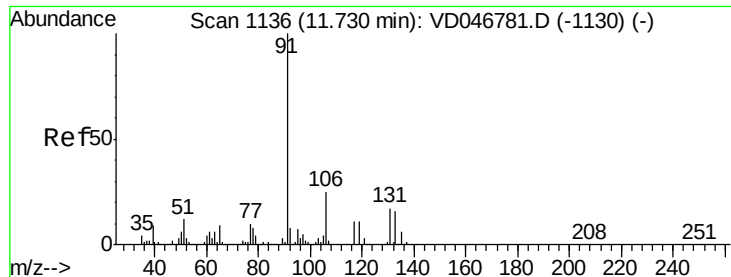
Tot Ion:112 Resp: 54020
Ion Ratio Lower Upper
112 100
114 33.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 9.78 ug/l
RT: 11.72 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:131 Resp: 19694
Ion Ratio Lower Upper
131 100
133 92.2 48.4 145.0
119 68.6 31.5 94.5

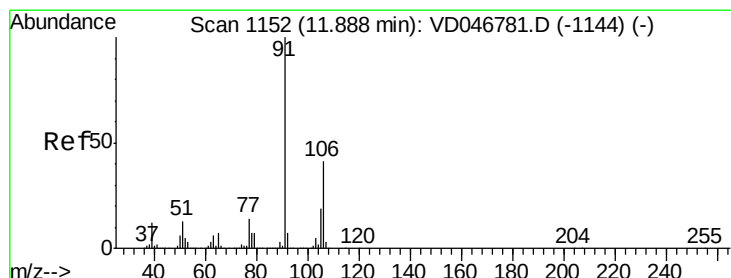
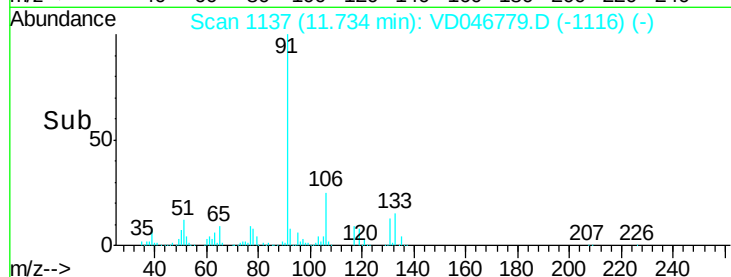
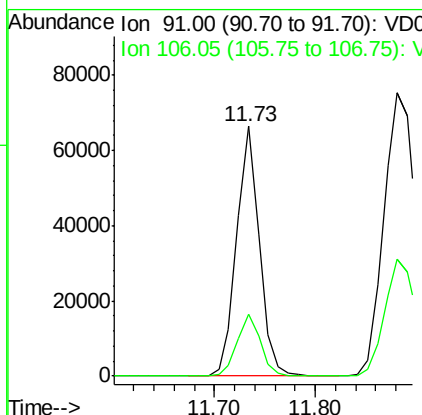
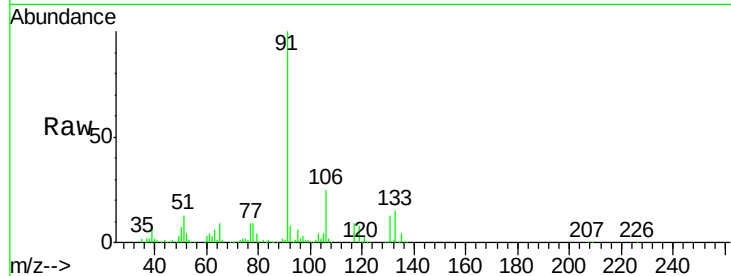




#67
Ethyl Benzene
Concen: 9.43 ug/l
RT: 11.73 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

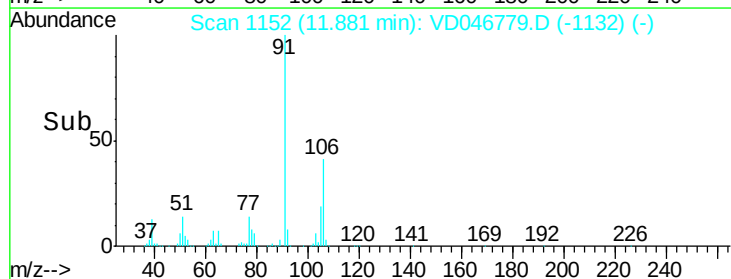
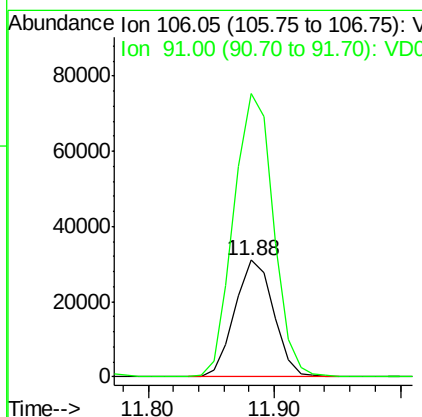
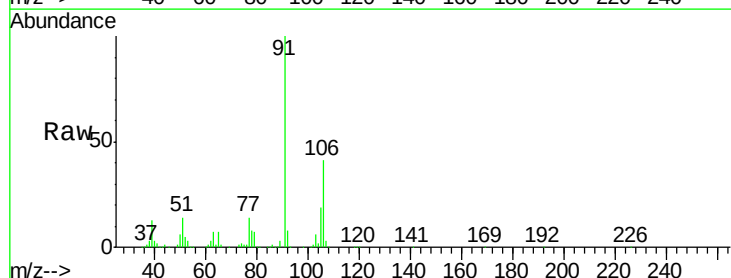
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

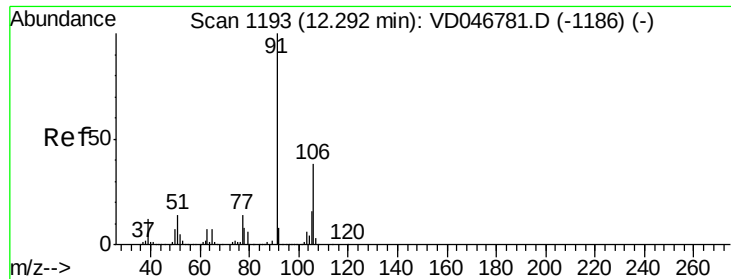
Tot Ion: 91 Resp: 104397
Ion Ratio Lower Upper
91 100
106 24.8 20.2 30.2



#68
m/p-Xylenes
Concen: 19.13 ug/l
RT: 11.88 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 106 Resp: 66226
Ion Ratio Lower Upper
106 100
91 242.1 187.9 281.9

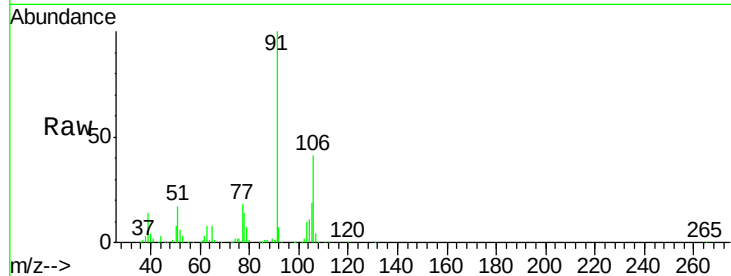




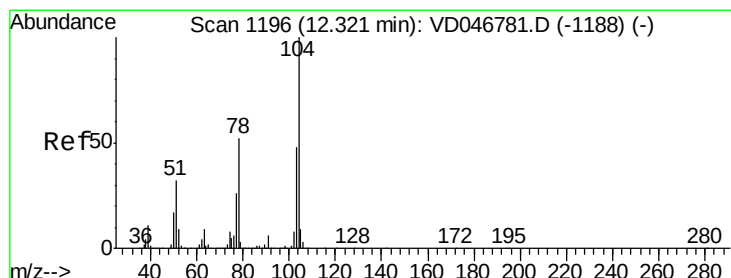
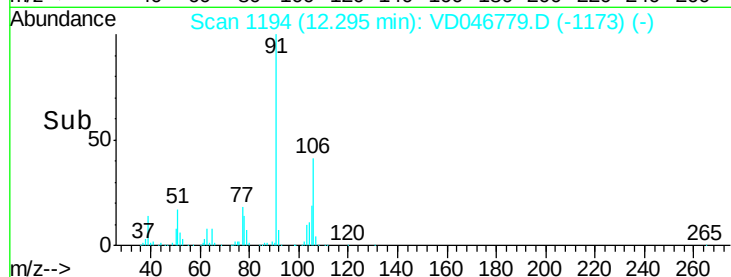
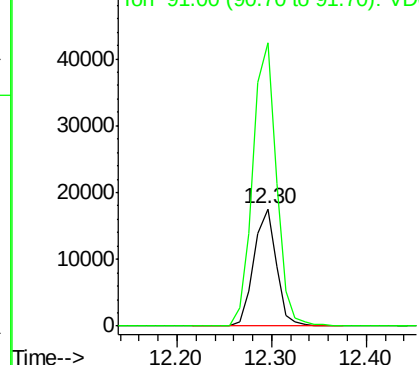
#69
o-Xylene
Concen: 9.42 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 29049
Ion Ratio Lower Upper
106 100
91 241.4 124.8 374.5

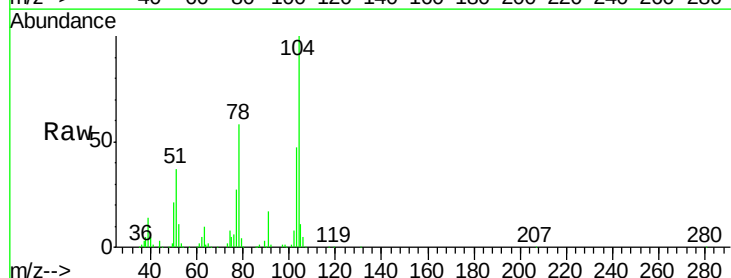


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

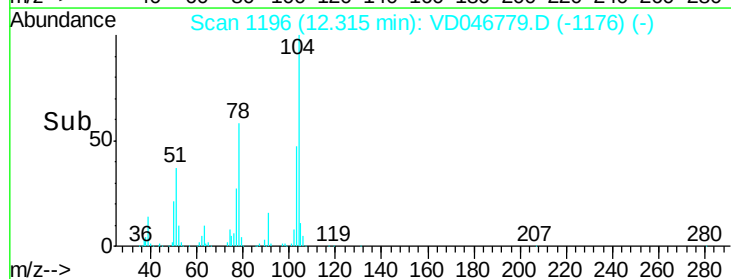
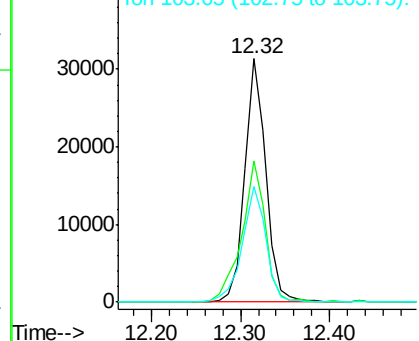


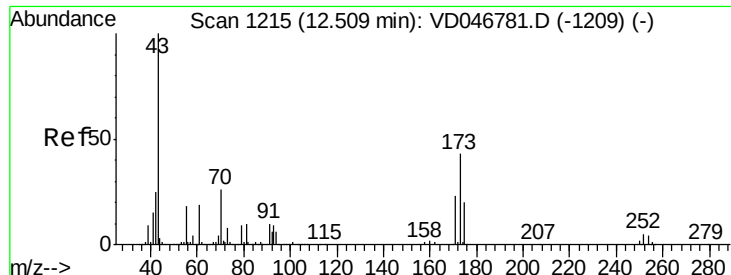
#70
Styrene
Concen: 9.82 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:104 Resp: 51568
Ion Ratio Lower Upper
104 100
78 58.0 44.5 66.7
103 47.4 40.3 60.5



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

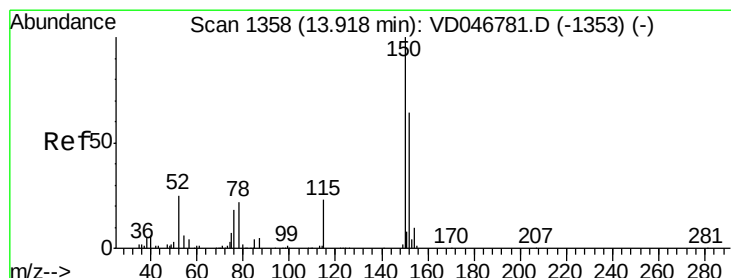
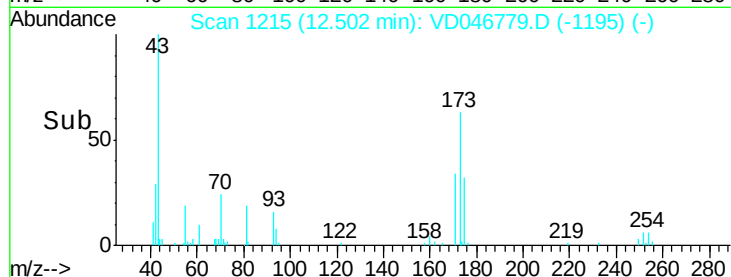
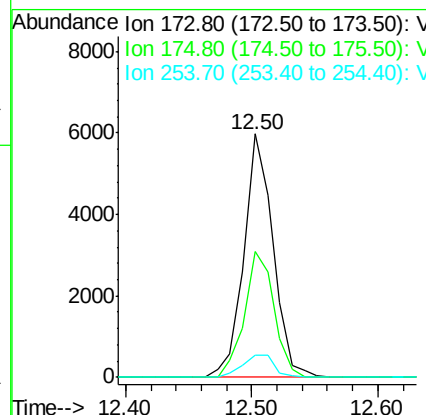
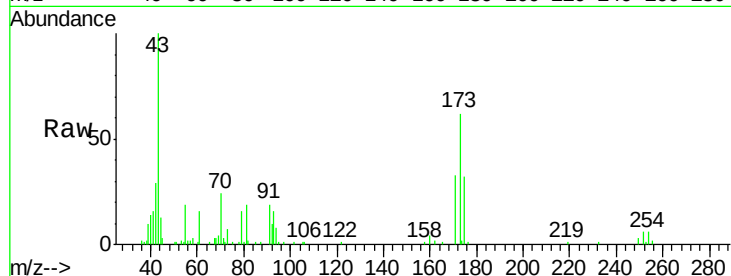




#71
Bromoform
Concen: 9.54 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

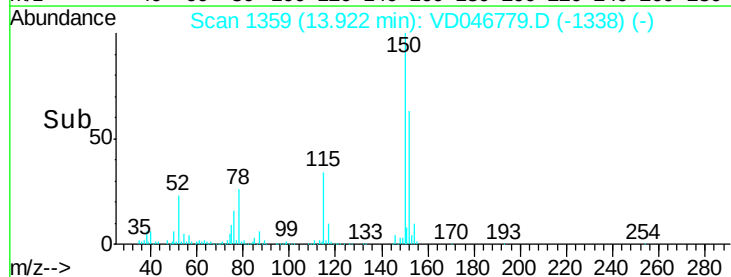
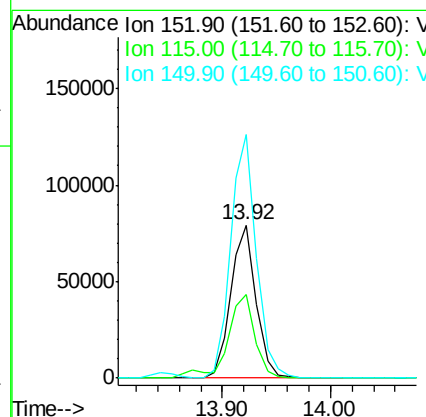
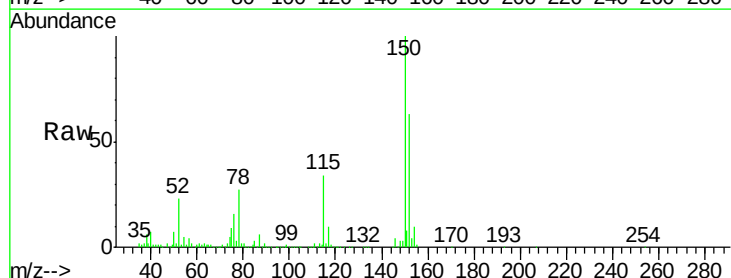
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

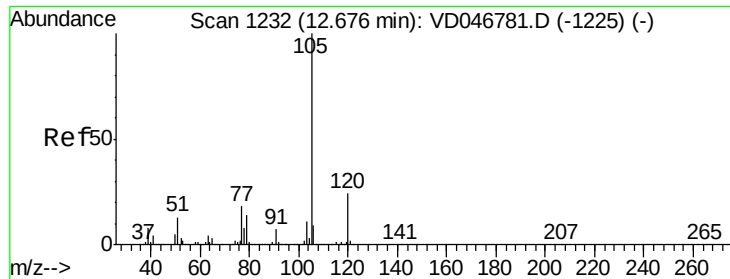
Tot Ion:173 Resp: 9553
Ion Ratio Lower Upper
173 100
175 51.6 23.1 69.3
254 9.0 8.7 13.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:152 Resp: 128367
Ion Ratio Lower Upper
152 100
115 54.4 26.2 78.6
150 158.9 0.0 311.8





#73

Isopropylbenzene

Concen: 8.93 ug/l

RT: 12.67 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

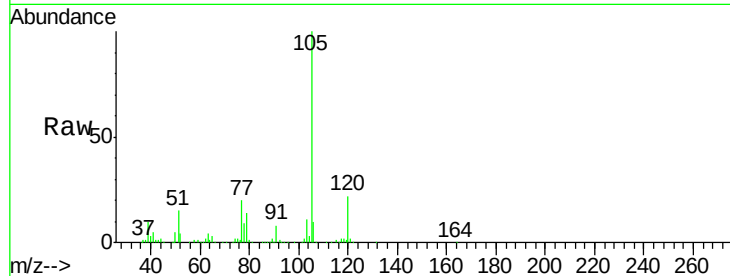
VSTDIC010

Tot Ion:105 Resp: 88527

Ion Ratio Lower Upper

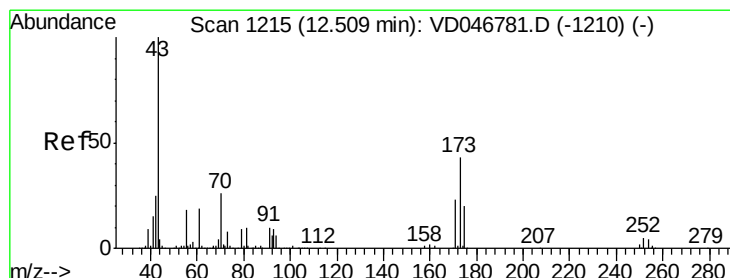
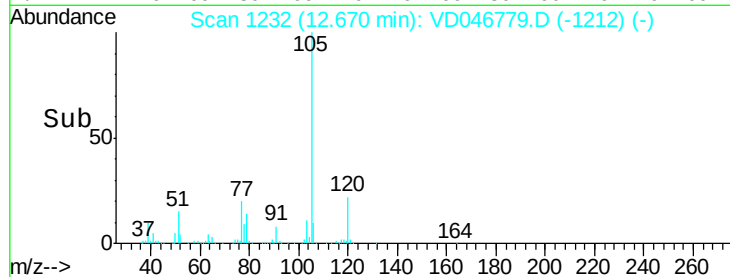
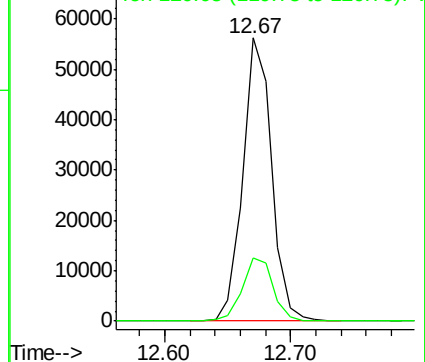
105 100

120 22.5 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: 7.90 ug/l

RT: 12.50 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Tgt Ion: 43 Resp: 17354

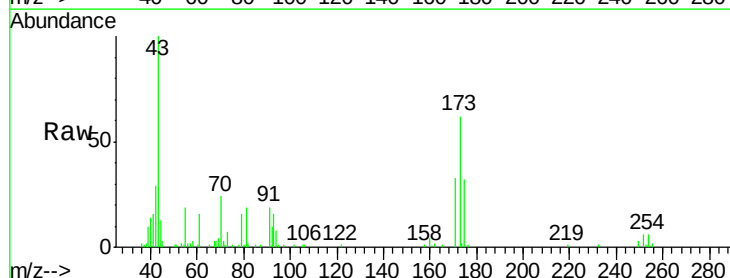
Ion Ratio Lower Upper

43 100

70 24.0 22.1 33.1

55 19.4 14.5 21.7

61 16.1 14.6 21.8

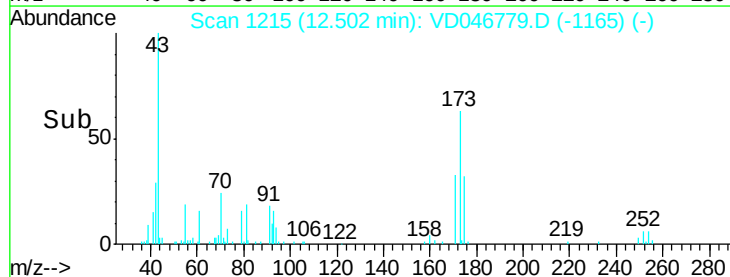
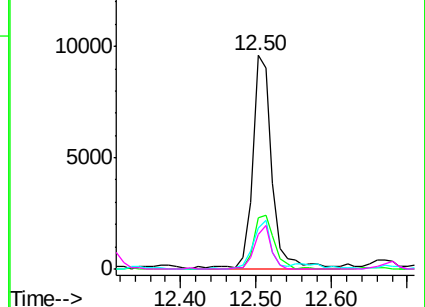


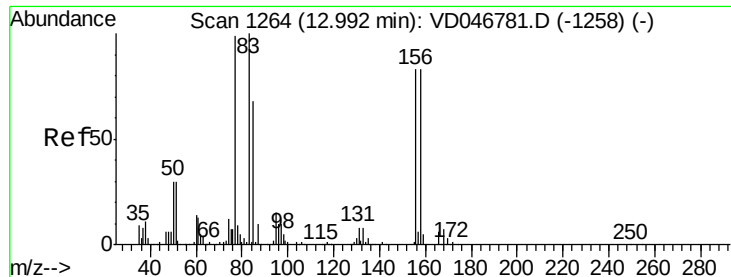
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 10.34 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

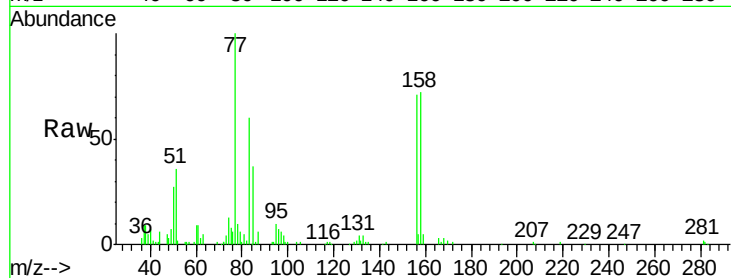
Tot Ion: 83 Resp: 15316

Ion Ratio Lower Upper

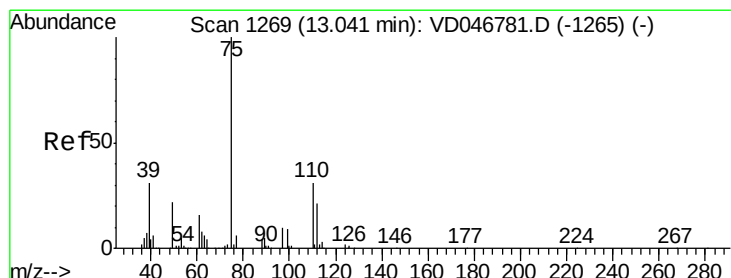
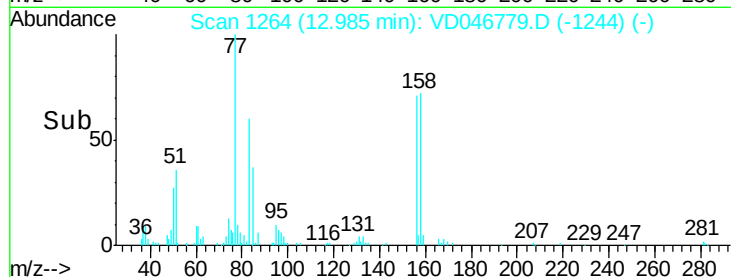
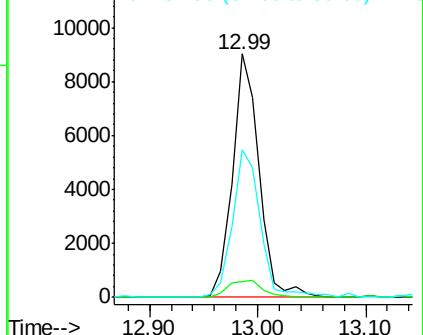
83 100

131 6.6 3.9 11.7

85 60.9 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: 9.67 ug/l

RT: 13.03 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD046779.D

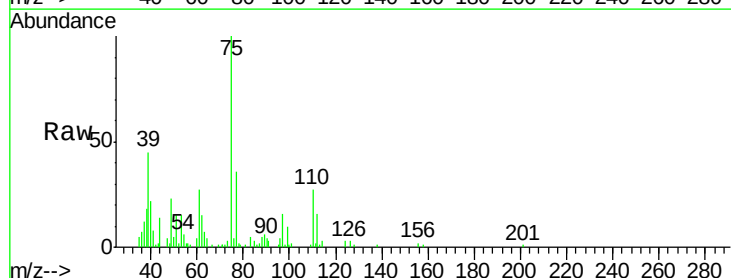
Acq: 18 Sep 2015 12:22

Tgt Ion: 75 Resp: 15493

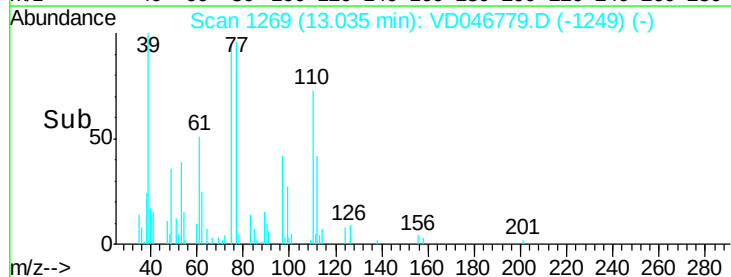
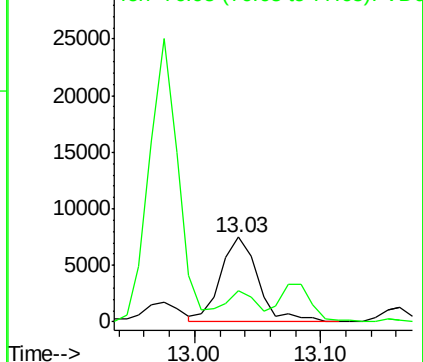
Ion Ratio Lower Upper

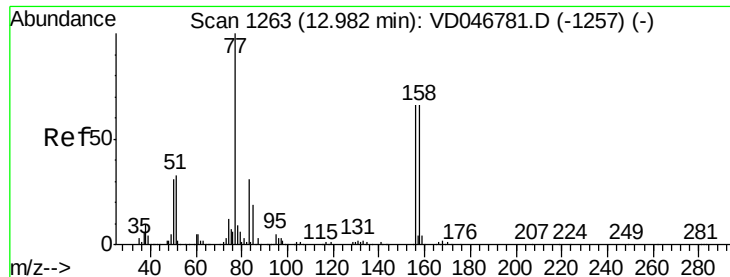
75 100

77 36.2 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: 9.42 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

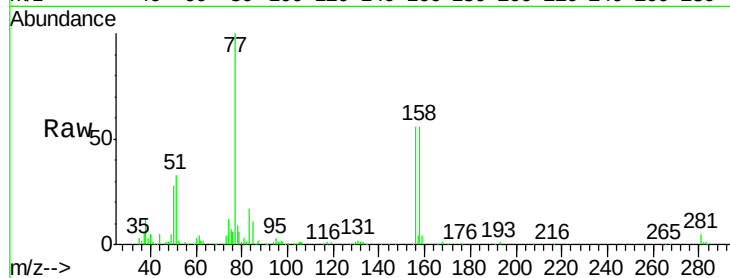
Tot Ion:156 Resp: 23036

Ion Ratio Lower Upper

156 100

77 178.0 70.3 210.8

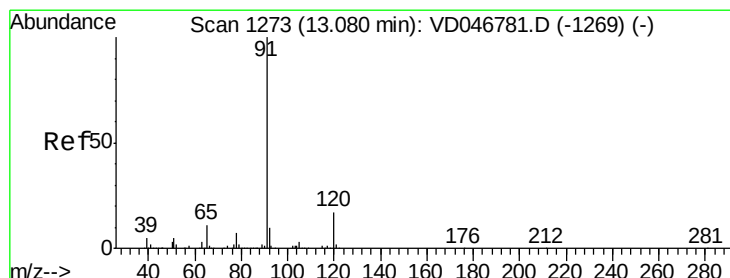
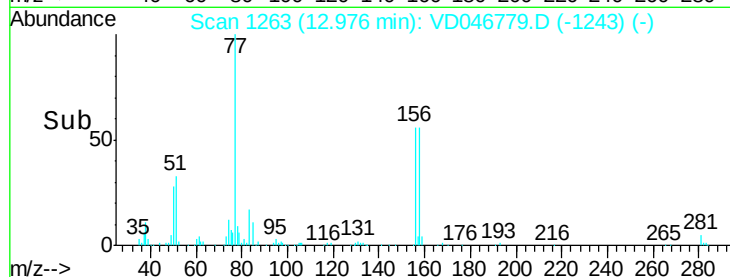
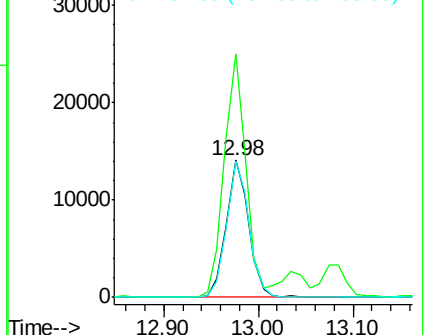
158 99.3 49.0 147.0



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: 9.39 ug/l

RT: 13.08 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD046779.D

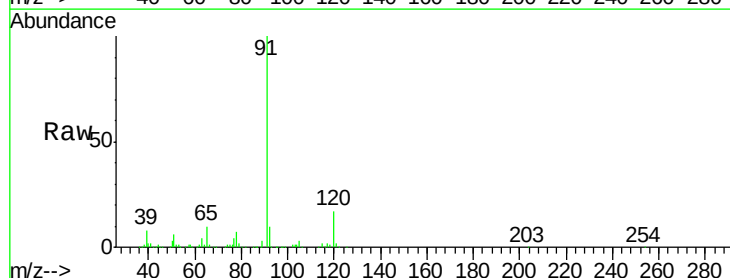
Acq: 18 Sep 2015 12:22

Tgt Ion: 91 Resp: 128848

Ion Ratio Lower Upper

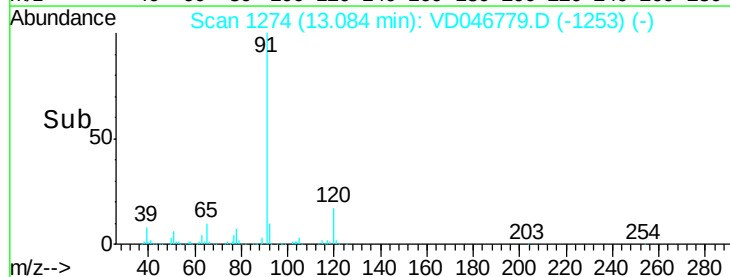
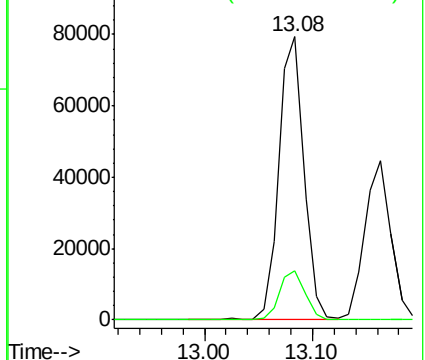
91 100

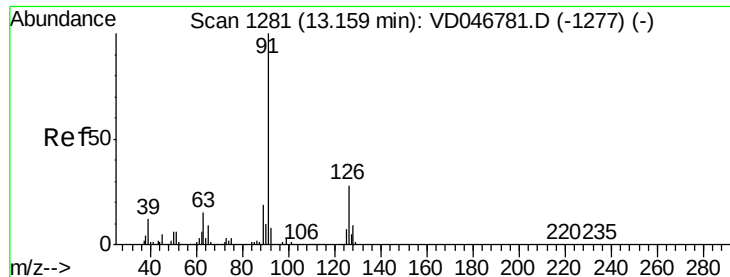
120 17.3 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

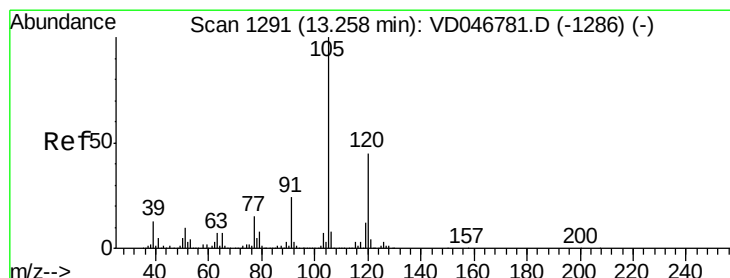
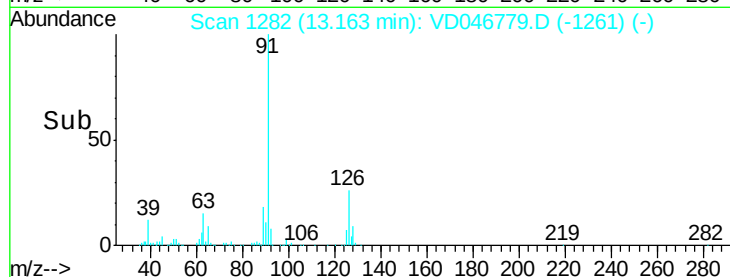
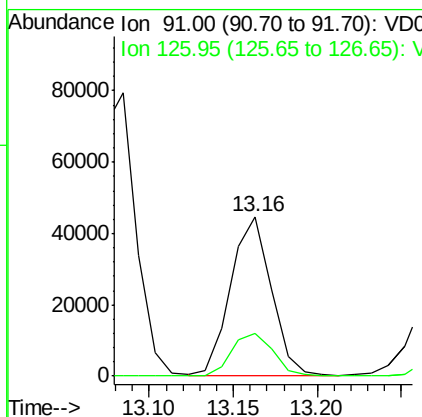
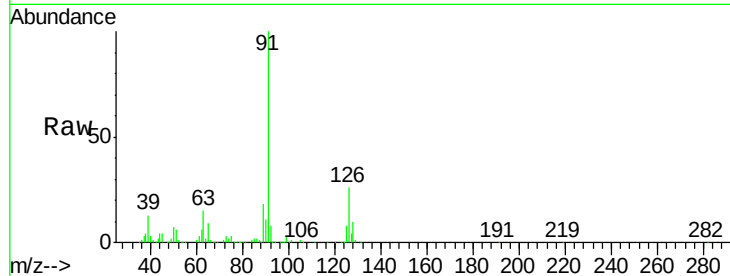




#79
 2-Chlorotoluene
 Concen: 9.81 ug/l
 RT: 13.16 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

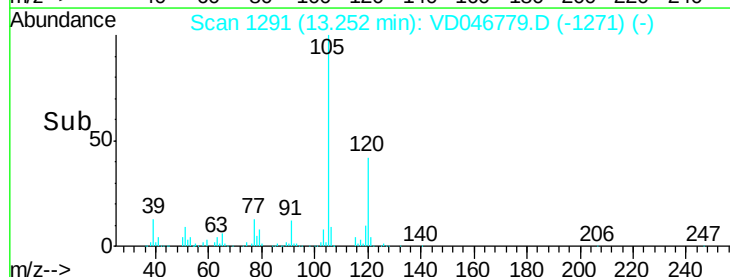
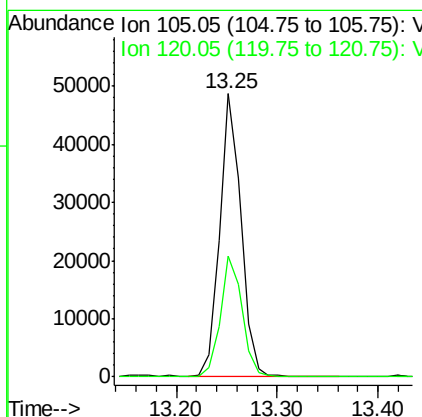
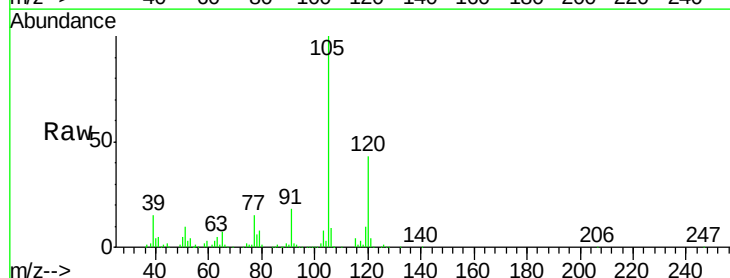
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

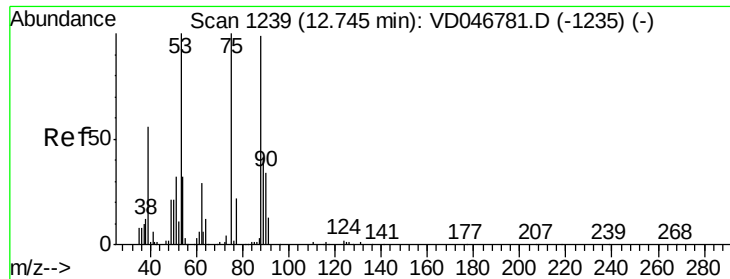
Tot Ion: 91 Resp: 74226
 Ion Ratio Lower Upper
 91 100
 126 26.5 14.1 42.4



#80
 1,3,5-Trimethylbenzene
 Concen: 9.37 ug/l
 RT: 13.25 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 105 Resp: 72219
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 8.50 ug/l

RT: 12.74 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

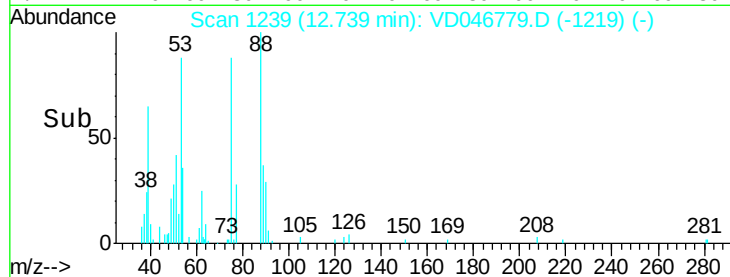
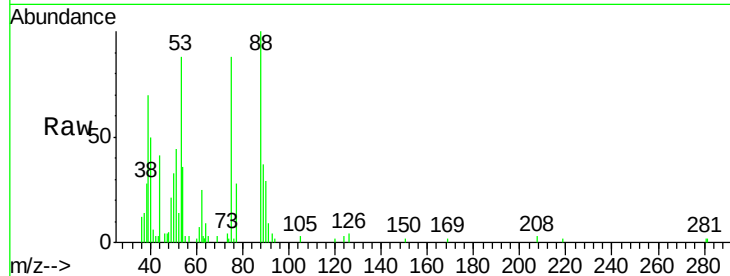
Tot Ion: 75 Resp: 3477

Ion Ratio Lower Upper

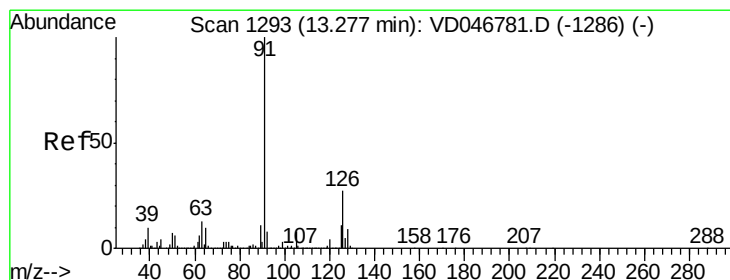
75 100

53 100.8 82.3 123.5

89 41.9 36.6 54.8



Time-->



#82

4-Chlorotoluene

Concen: 10.04 ug/l

RT: 13.28 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VD046779.D

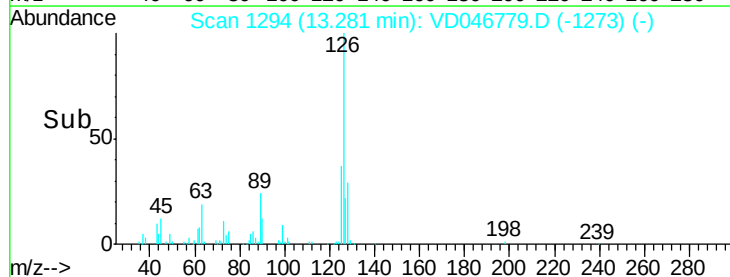
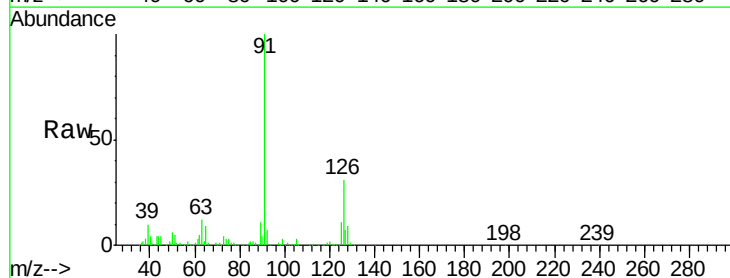
Acq: 18 Sep 2015 12:22

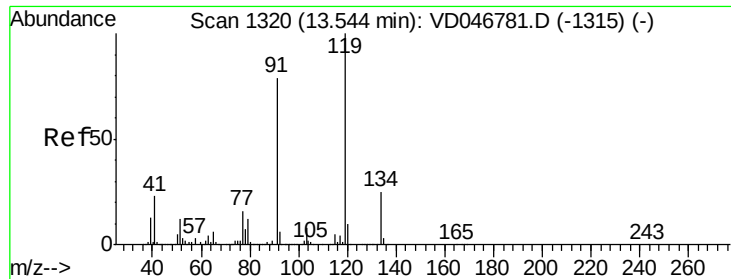
Tgt Ion: 91 Resp: 88883

Ion Ratio Lower Upper

91 100

126 30.6 14.1 42.4

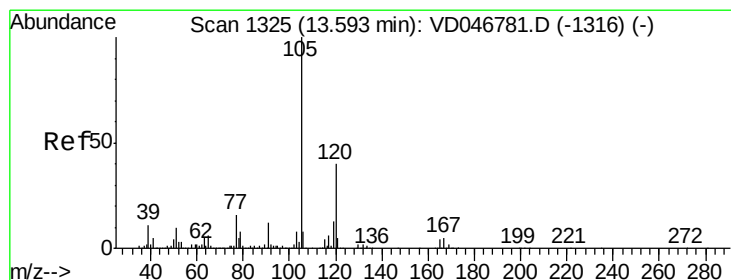
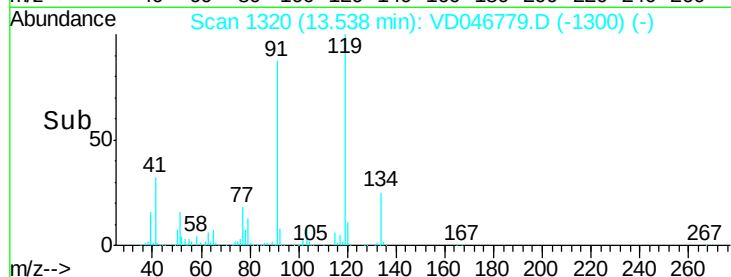
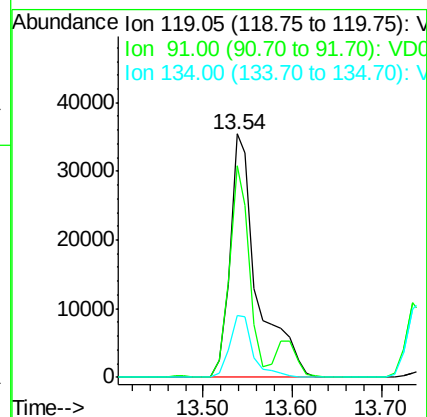
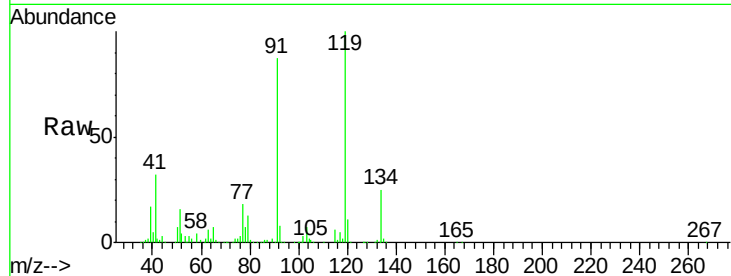




#83
 tert-Butylbenzene
 Concen: 11.82 ug/l
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

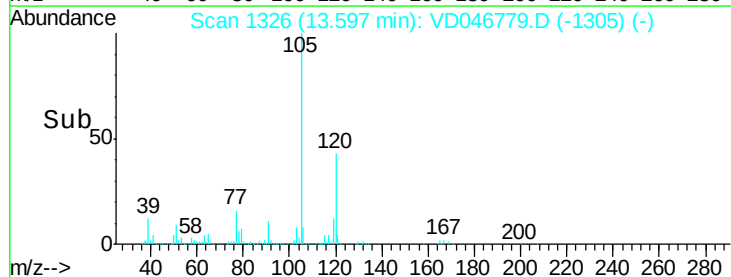
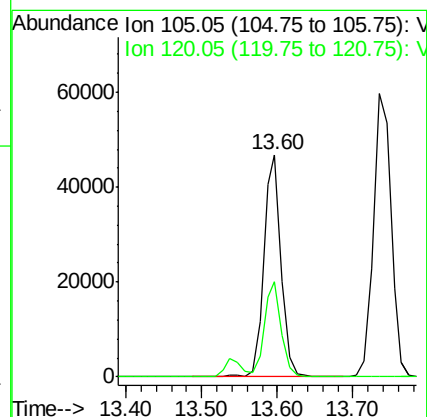
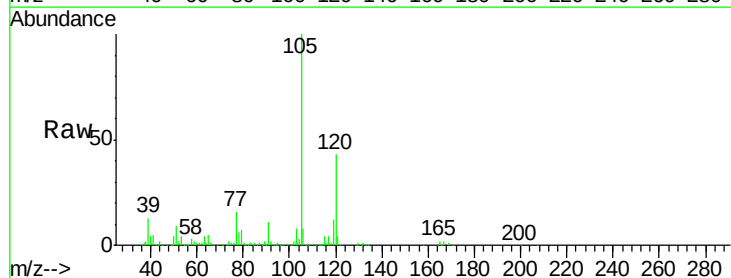
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

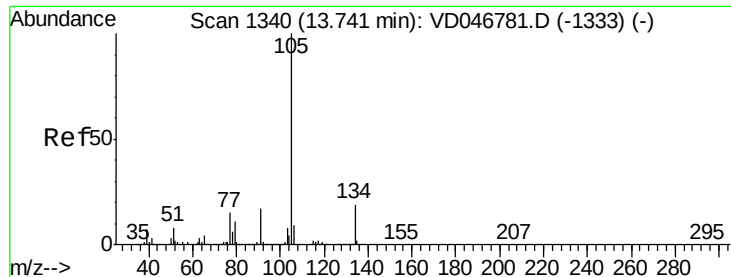
Tot Ion:119 Resp: 76636
 Ion Ratio Lower Upper
 119 100
 91 87.1 41.6 124.9
 134 25.4 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 9.74 ug/l
 RT: 13.60 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion:105 Resp: 75083
 Ion Ratio Lower Upper
 105 100
 120 42.6 21.1 63.1





#85

sec-Butylbenzene

Concen: 9.62 ug/l

RT: 13.73 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

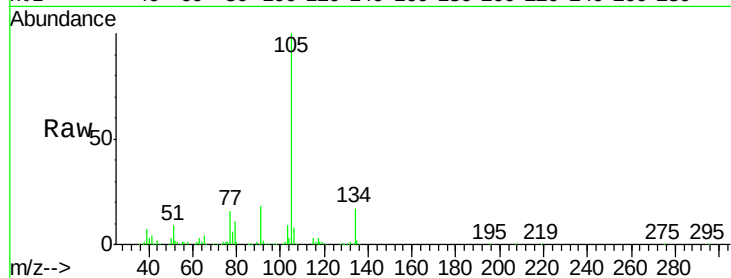
VSTDIC010

Tot Ion:105 Resp: 96202

Ion Ratio Lower Upper

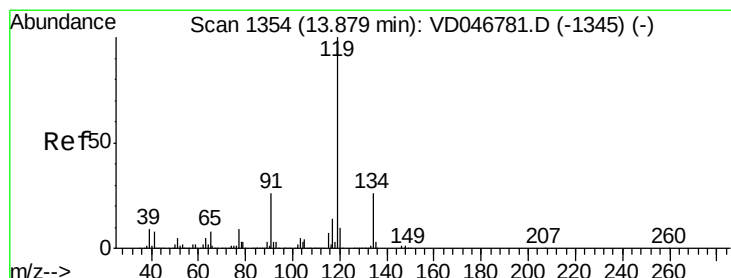
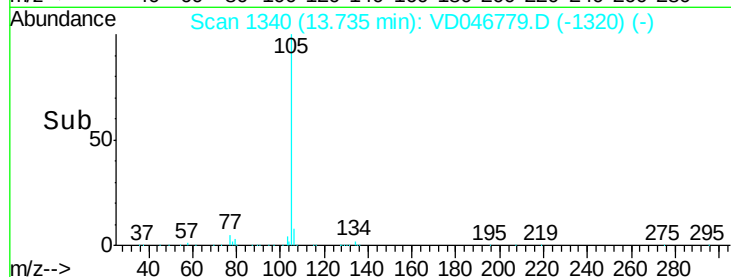
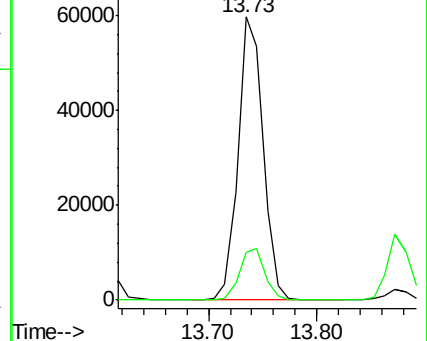
105 100

134 16.7 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 9.62 ug/l

RT: 13.87 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

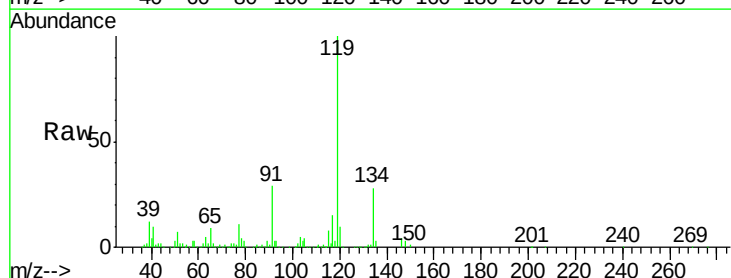
Tgt Ion:119 Resp: 75660

Ion Ratio Lower Upper

119 100

134 27.8 13.0 38.9

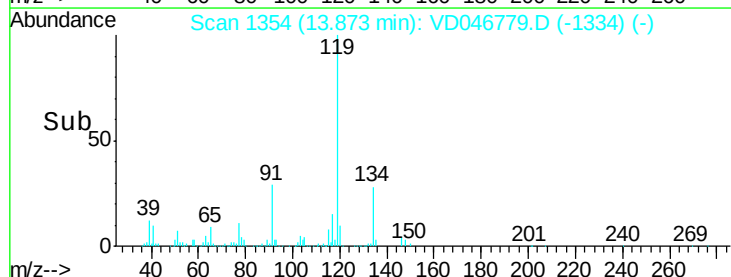
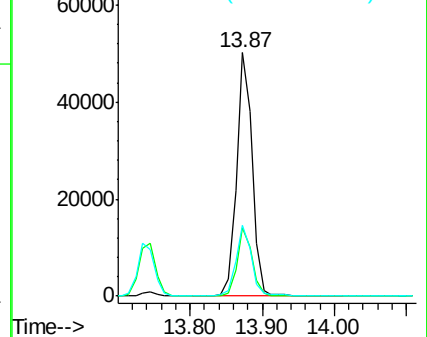
91 28.9 13.8 41.3

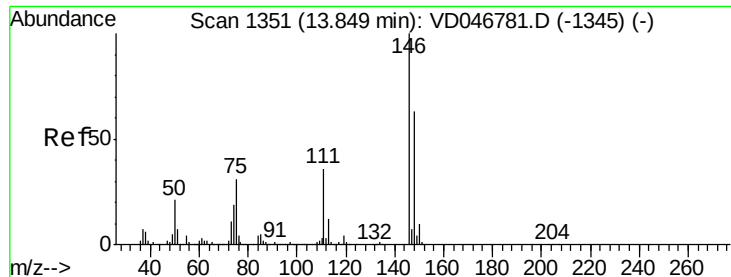


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

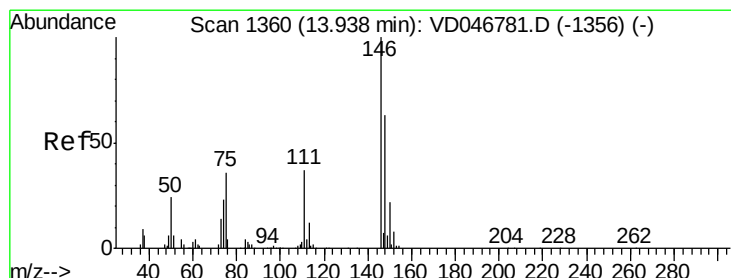
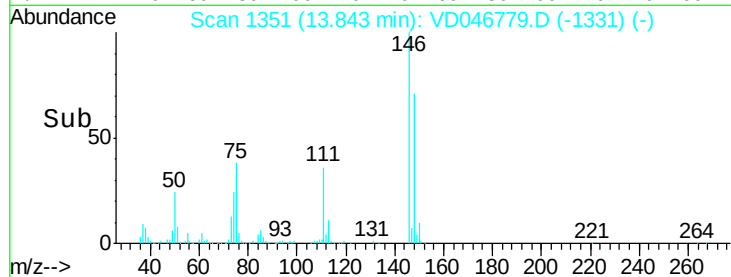
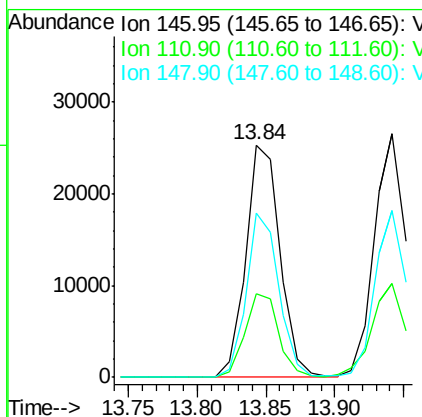
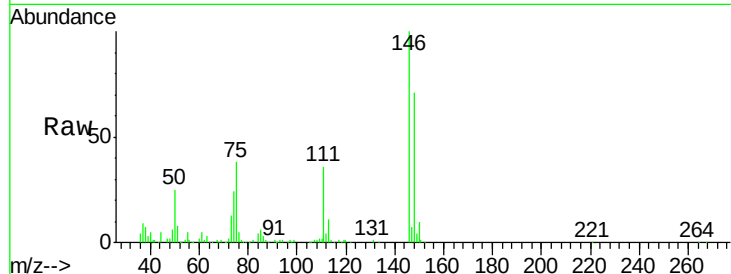




#87
 1,3-Dichlorobenzene
 Concen: 9.97 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

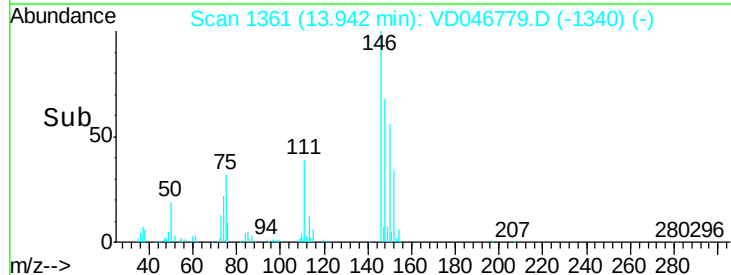
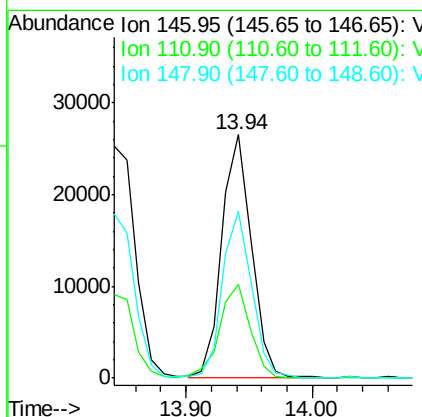
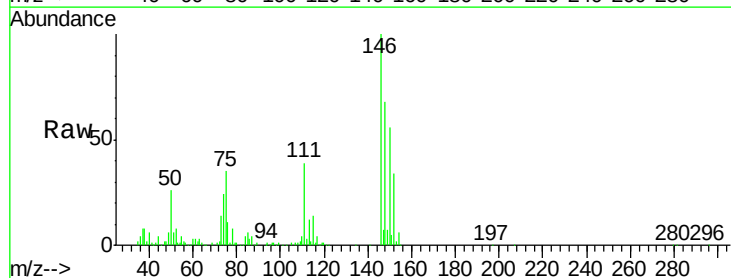
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

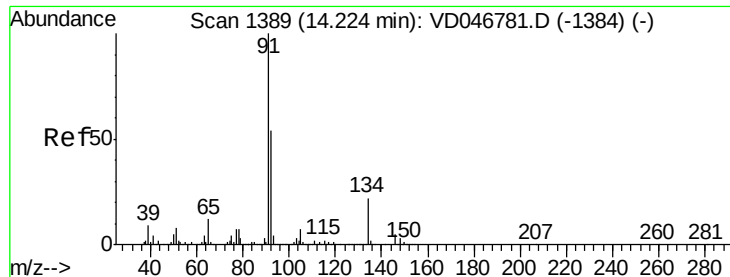
Tot Ion:146 Resp: 44001
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.4 52.2
 148 71.0 33.0 99.0



#88
 1,4-Dichlorobenzene
 Concen: 9.96 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion:146 Resp: 43469
 Ion Ratio Lower Upper
 146 100
 111 38.7 17.0 51.0
 148 68.3 31.9 95.7





#89

n-Butylbenzene

Concen: 9.73 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

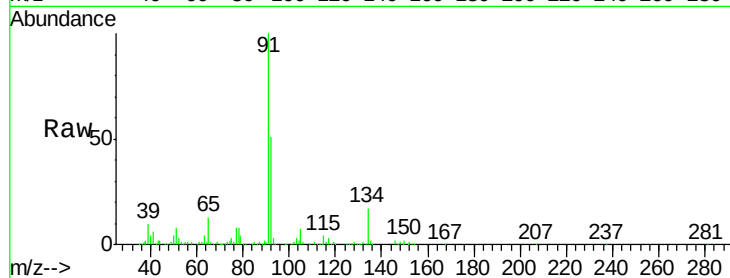
Tot Ion: 91 Resp: 85316

Ion Ratio Lower Upper

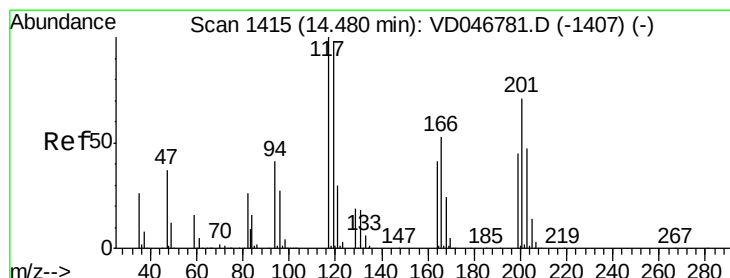
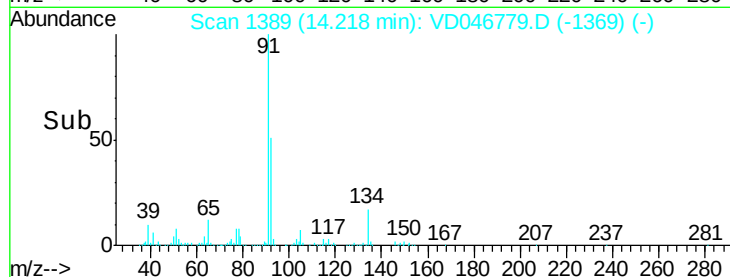
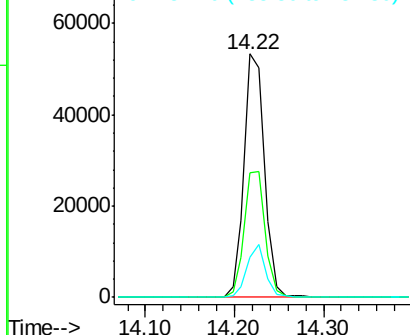
91 100

92 51.2 27.1 81.2

134 16.7 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: 10.39 ug/l

RT: 14.48 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VD046779.D

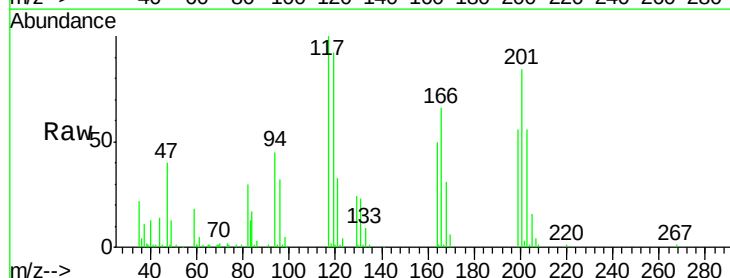
Acq: 18 Sep 2015 12:22

Tgt Ion: 117 Resp: 18260

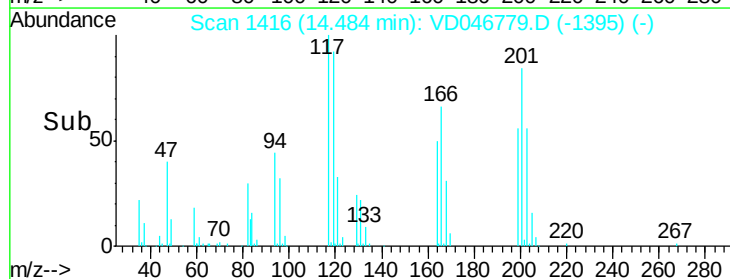
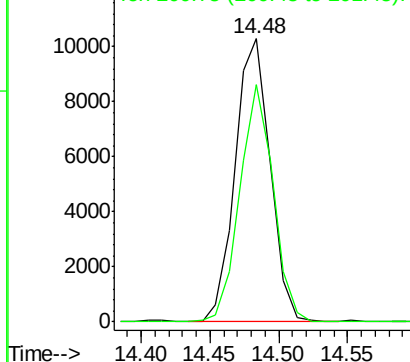
Ion Ratio Lower Upper

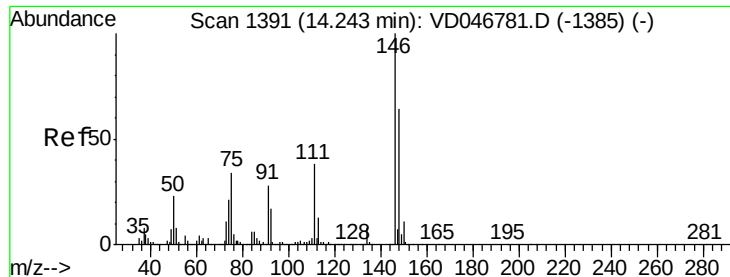
117 100

201 84.1 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: 10.23 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

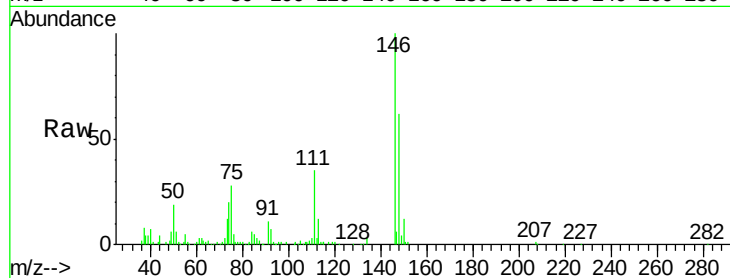
Tot Ion:146 Resp: 36929

Ion Ratio Lower Upper

146 100

111 35.3 18.2 54.6

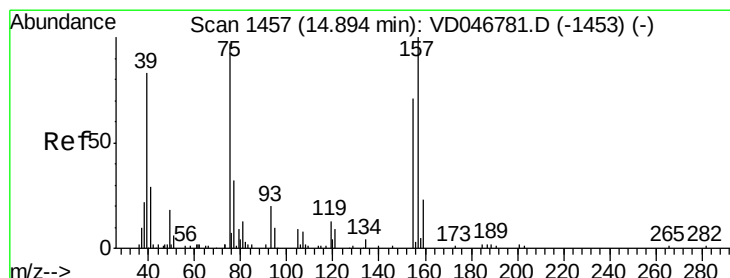
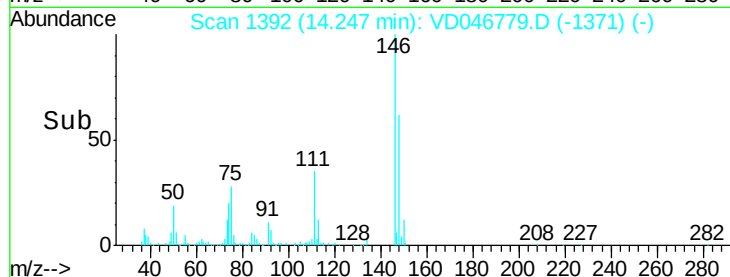
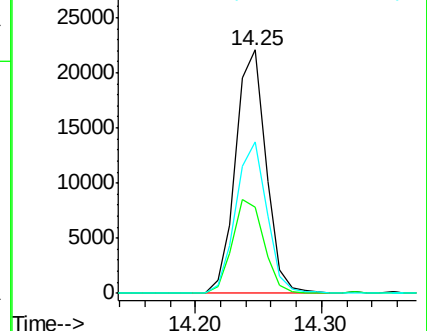
148 62.0 31.1 93.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.05 ug/l

RT: 14.89 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

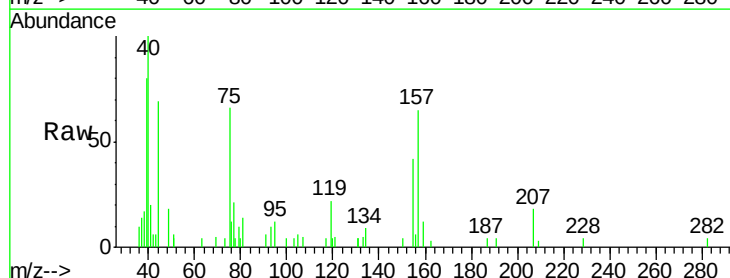
Tgt Ion: 75 Resp: 2017

Ion Ratio Lower Upper

75 100

155 64.6 41.4 124.4

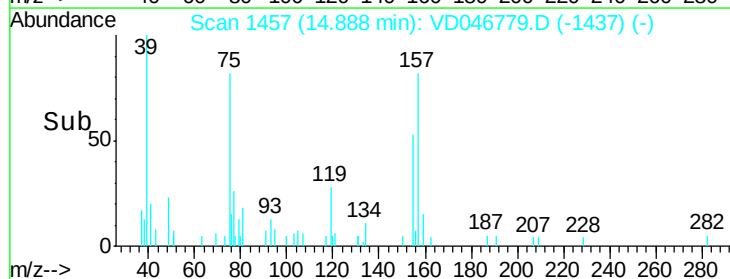
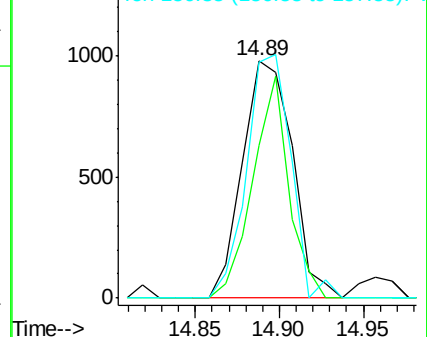
157 99.7 65.0 195.1

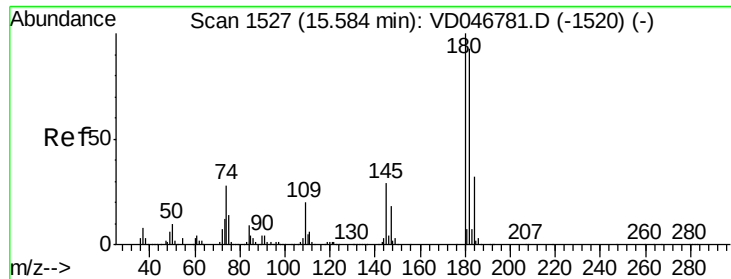


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

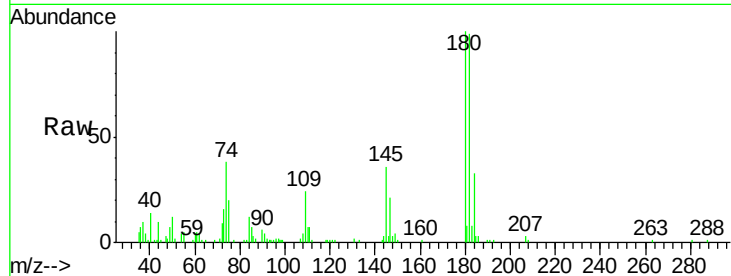




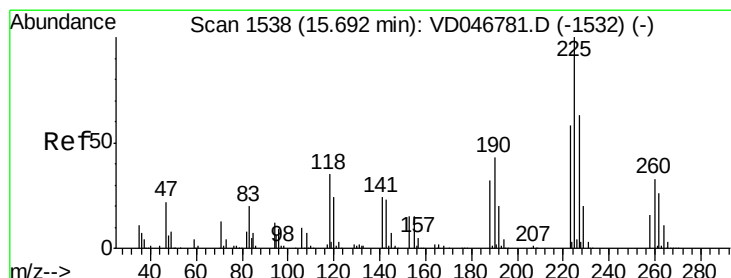
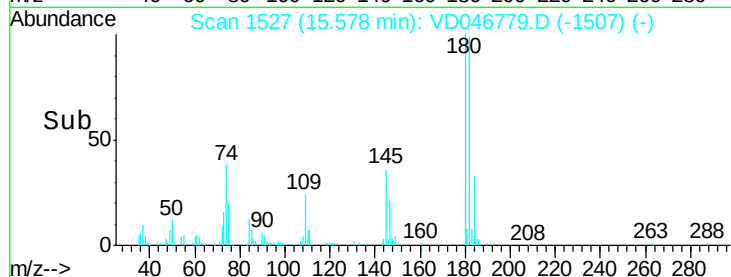
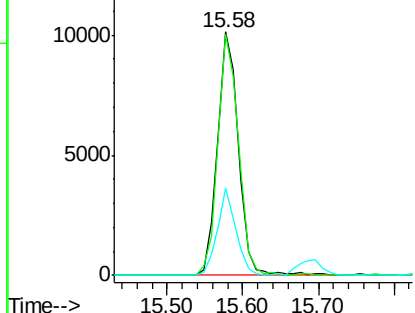
#93
 1,2,4-Trichlorobenzene
 Concen: 9.22 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 19771
 Ion Ratio Lower Upper
 180 100
 182 98.8 47.5 142.5
 145 35.7 14.6 44.0

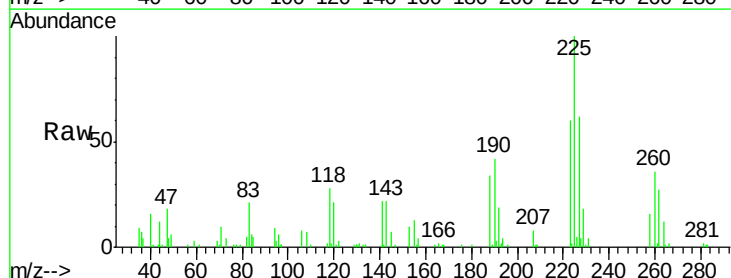


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

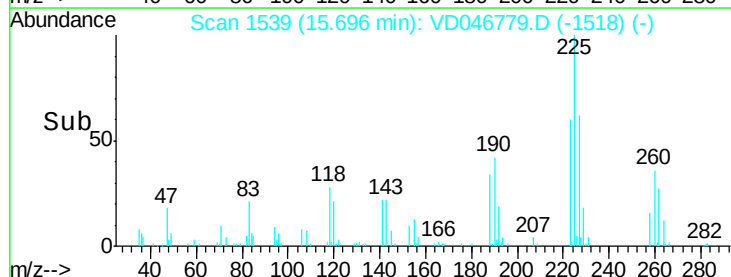
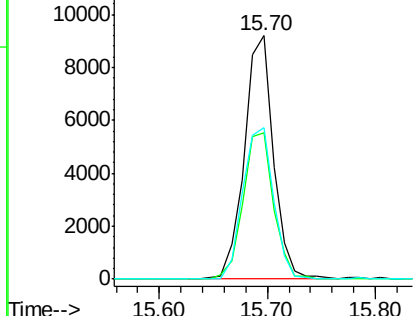


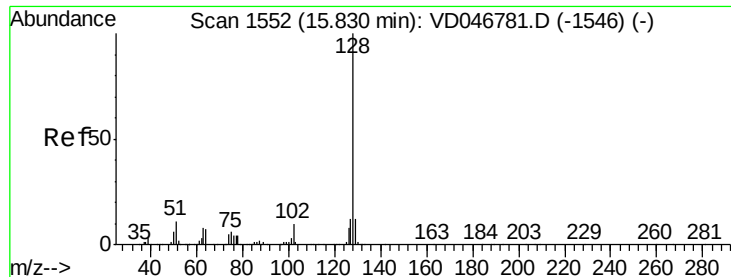
#94
 Hexachlorobutadiene
 Concen: 9.85 ug/l
 RT: 15.70 min Scan# 1539
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion:225 Resp: 17198
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.4 91.2
 227 62.1 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: 8.17 ug/l

RT: 15.82 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

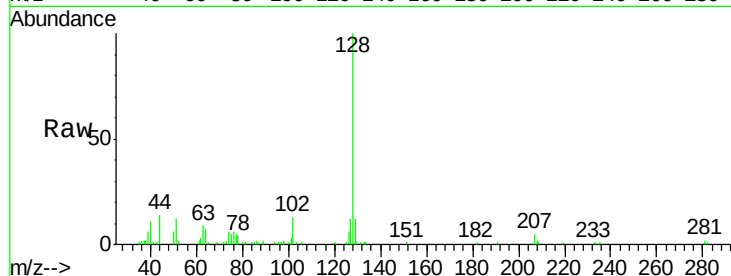
Tot Ion:128 Resp: 20303

Ion Ratio Lower Upper

128 100

127 11.7 9.8 14.6

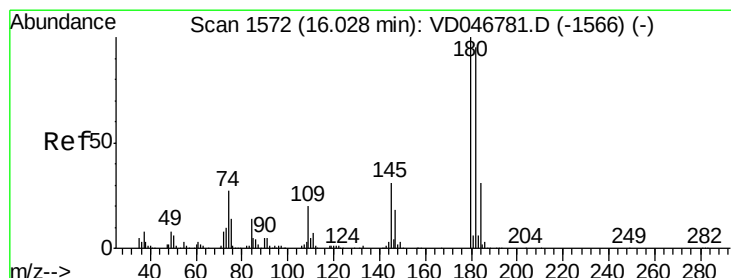
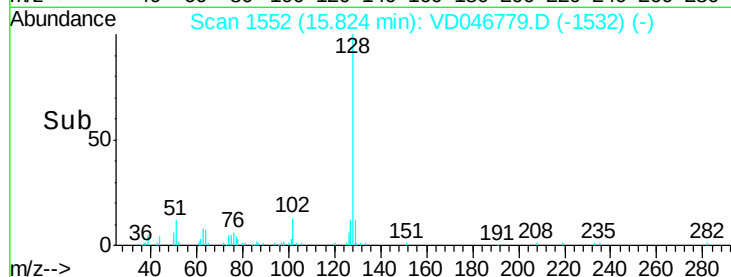
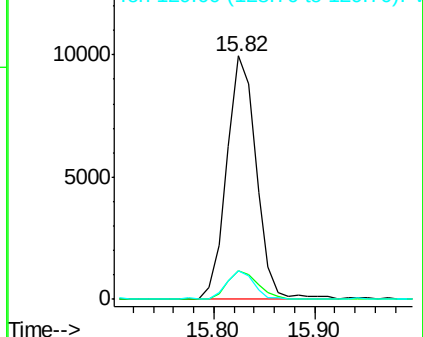
129 12.0 8.6 12.8



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: 9.21 ug/l

RT: 16.02 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

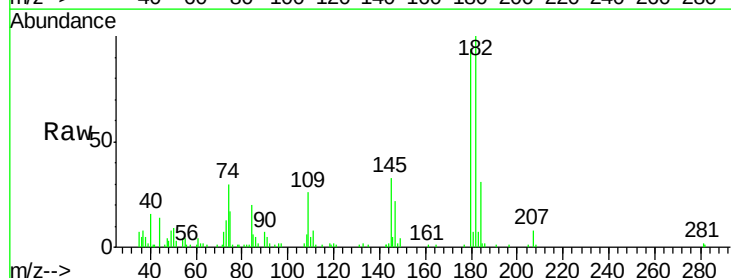
Tgt Ion:180 Resp: 16391

Ion Ratio Lower Upper

180 100

182 106.8 47.4 142.3

145 35.3 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

