

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046848.D
 Acq On : 23 Sep 2015 10:49
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 24 01:42:59 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	189230	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	221906	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	223506	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	129594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	113624	57.75	ug/l	-0.02
Spiked Amount			Recovery	=	115.50%	
35) Dibromofluoromethane	6.19	113	102808	59.21	ug/l	-0.03
Spiked Amount			Recovery	=	118.42%	
50) Toluene-d8	9.60	98	333985	60.98	ug/l	-0.02
Spiked Amount			Recovery	=	121.96%	
62) 4-Bromofluorobenzene	12.84	95	140952	63.91	ug/l	-0.02
Spiked Amount			Recovery	=	127.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.41	85	86894	50.53	ug/l	100
3) Chlorodifluoromethane	1.43	51	69289	48.13	ug/l	# 86
4) Chloromethane	1.57	50	45142	40.47	ug/l	97
5) Vinyl Chloride	1.67	62	47191	45.04	ug/l	99
6) Bromomethane	1.96	94	47489	52.56	ug/l	94
7) Chloroethane	2.07	64	33870	51.65	ug/l	96
8) Trichlorofluoromethane	2.32	101	172920	55.80	ug/l	100
9) Diethyl Ether	2.62	74	26448	48.14	ug/l	87
10) 1,1,2-Trichlorotrifluoroet	2.88	101	94864	48.92	ug/l	97
11) Methyl Iodide	3.04	142	102564	45.45	ug/l	# 88
12) Tert butyl alcohol	3.67	59	12902	198.85	ug/l	95
13) 1,1-Dichloroethene	2.86	96	71497	47.16	ug/l	96
14) Acrolein	2.76	56	21759	216.48	ug/l	87
15) Allyl chloride	3.31	41	134166	43.59	ug/l	# 75
16) Acrylonitrile	3.82	53	50659	220.52	ug/l	91
17) Acetone	2.93	43	85645	257.63	ug/l	99
18) Carbon Disulfide	3.12	76	240181	42.29	ug/l	100
19) Methyl Acetate	3.32	43	88089	45.74	ug/l	97
20) Methyl tert-butyl Ether	3.88	73	129556	54.55	ug/l	# 88
21) Methylene Chloride	3.49	84	80106	44.38	ug/l	88
22) trans-1,2-Dichloroethene	3.88	96	80242	46.94	ug/l	96
23) Diisopropyl ether	4.64	45	250416	49.01	ug/l	90
24) Vinyl Acetate	4.59	43	385898	317.84	ug/l	98
25) 1,1-Dichloroethane	4.54	63	148642	47.22	ug/l	99
26) 2-Butanone	5.43	43	93495	250.24	ug/l	99
27) 2,2-Dichloropropane	5.40	77	174334	53.90	ug/l	97
28) cis-1,2-Dichloroethene	5.41	96	87584	49.21	ug/l	95
29) Bromochloromethane	5.77	49	57572	46.42	ug/l	87
30) Chloroform	5.96	83	201698	52.82	ug/l	97
31) Cyclohexane	6.25	56	128399	43.47	ug/l	87
32) 1,1,1-Trichloroethane	6.16	97	184797	54.36	ug/l	99
36) 1,1-Dichloropropene	6.41	75	144229	55.62	ug/l	98
37) Ethyl Acetate	5.52	43	41105	49.35	ug/l	# 96
38) Carbon Tetrachloride	6.39	117	158109	58.67	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	149629	56.94	ug/l	94
40) Benzene	6.71	78	344442	52.03	ug/l	99
41) Methacrylonitrile	5.74	41	25213	53.96	ug/l #	93
42) 1,2-Dichloroethane	6.81	62	128337	62.41	ug/l	94
43) Isopropyl Acetate	8.39	43	57586	52.44	ug/l #	99
44) Trichloroethene	7.73	130	90076	54.35	ug/l	100
45) 1,2-Dichloropropane	8.13	63	85445	52.09	ug/l	99
46) Dibromomethane	8.25	93	54372	58.38	ug/l	97
47) Bromodichloromethane	8.55	83	145241	59.42	ug/l #	99
48) Methyl methacrylate	8.07	41	92564	55.13	ug/l #	88
49) 1,4-Dioxane	8.27	88	6345	1021.68	ug/l #	86
51) 4-Methyl-2-Pentanone	9.47	43	232034	292.44	ug/l	98
52) Toluene	9.70	92	234930	57.53	ug/l	99
53) t-1,3-Dichloropropene	10.11	75	109877	60.88	ug/l	96
54) cis-1,3-Dichloropropene	9.22	75	135139	58.15	ug/l	95
55) 1,1,2-Trichloroethane	10.38	97	61563	58.23	ug/l	97
56) Ethyl methacrylate	10.22	69	58201	52.83	ug/l	95
57) 1,3-Dichloropropane	10.59	76	112038	56.98	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.01	63	135423	259.51	ug/l	97
59) 2-Hexanone	10.70	43	176732	308.30	ug/l	95
60) Dibromochloromethane	10.88	129	89228	61.49	ug/l	100
61) 1,2-Dibromoethane	11.00	107	59228	56.74	ug/l	96
64) Tetrachloroethene	10.45	164	92237	51.10	ug/l	94
65) Chlorobenzene	11.59	112	241724	51.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.71	131	95558	55.31	ug/l	99
67) Ethyl Benzene	11.72	91	522278	55.26	ug/l	99
68) m/p-Xylenes	11.87	106	329319	110.47	ug/l	91
69) o-Xylene	12.28	106	150432	56.06	ug/l	87
70) Styrene	12.30	104	264126	56.77	ug/l	98
71) Bromoform	12.49	173	53183	57.80	ug/l	96
73) Isopropylbenzene	12.66	105	470872	51.54	ug/l	100
74) N-amyl acetate	12.49	43	99079	43.77	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.97	83	74492	50.53	ug/l	97
76) 1,2,3-Trichloropropane	13.02	75	80835	51.25	ug/l	98
77) Bromobenzene	12.97	156	113421	49.37	ug/l	88
78) n-propylbenzene	13.07	91	678419	52.59	ug/l	99
79) 2-Chlorotoluene	13.15	91	370070	51.67	ug/l	98
80) 1,3,5-Trimethylbenzene	13.24	105	383182	52.64	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.73	75	20997	48.49	ug/l	96
82) 4-Chlorotoluene	13.27	91	440653	51.69	ug/l	99
83) tert-Butylbenzene	13.53	119	410218	62.49	ug/l	96
84) 1,2,4-Trimethylbenzene	13.59	105	387747	52.91	ug/l	99
85) sec-Butylbenzene	13.72	105	510780	52.94	ug/l	94
86) p-Isopropyltoluene	13.86	119	405585	53.49	ug/l	97
87) 1,3-Dichlorobenzene	13.83	146	220982	51.56	ug/l	97
88) 1,4-Dichlorobenzene	13.93	146	219550	51.51	ug/l	99
89) n-Butylbenzene	14.21	91	475159	55.50	ug/l	100
90) Hexachloroethane	14.47	117	87484	49.77	ug/l	91
91) 1,2-Dichlorobenzene	14.24	146	189239	52.56	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.89	75	10179	53.72	ug/l	87

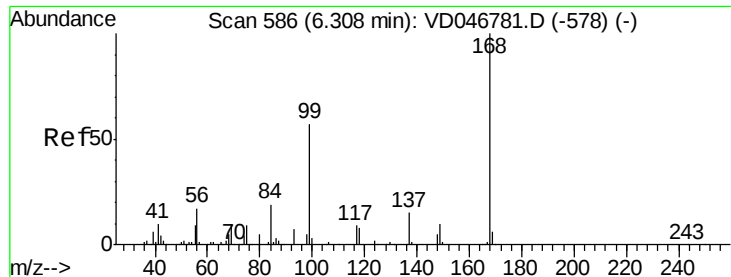
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	117704	56.77	ug/l	99
94) Hexachlorobutadiene	15.68	225	92027	53.92	ug/l	99
95) Naphthalene	15.81	128	150578	54.64	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	98610	56.92	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

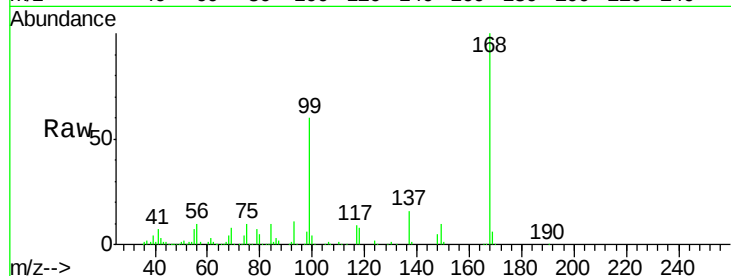
VSTDCCC050

Tot Ion:168 Resp: 189230

Ion Ratio Lower Upper

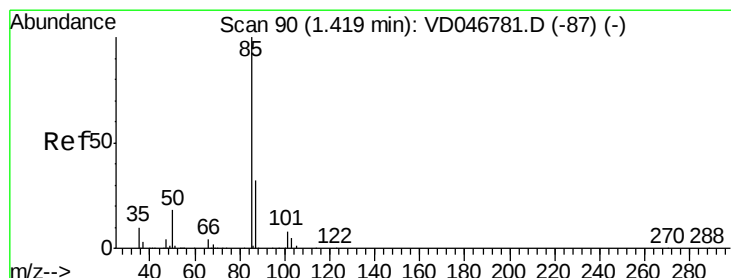
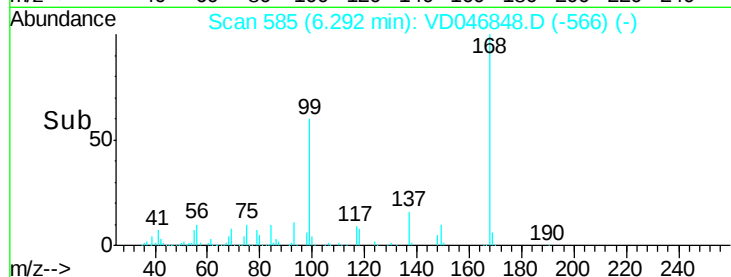
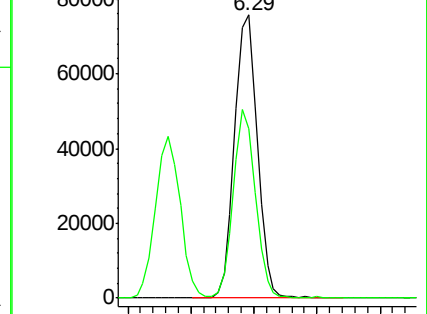
168 100

99 60.0 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: 50.53 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046848.D

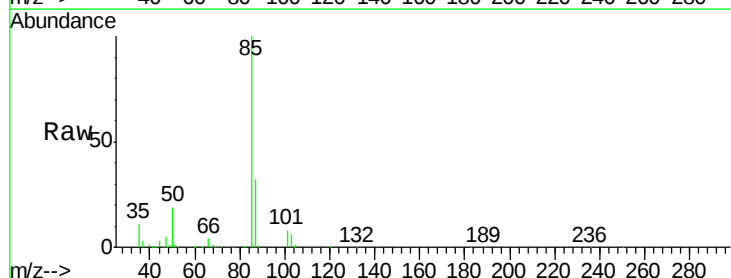
Acq: 23 Sep 2015 10:49

Tgt Ion: 85 Resp: 86894

Ion Ratio Lower Upper

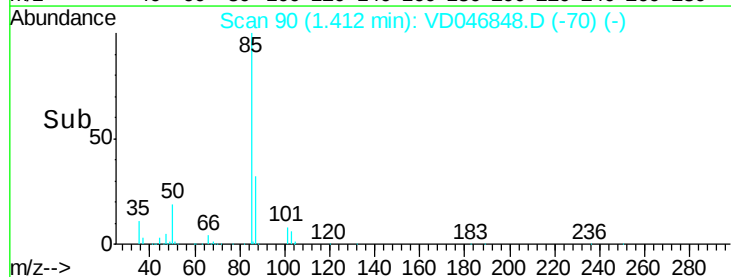
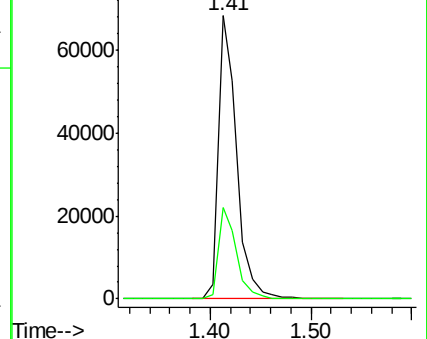
85 100

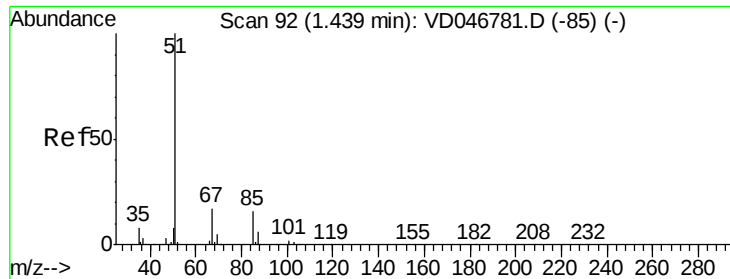
87 32.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 48.13 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

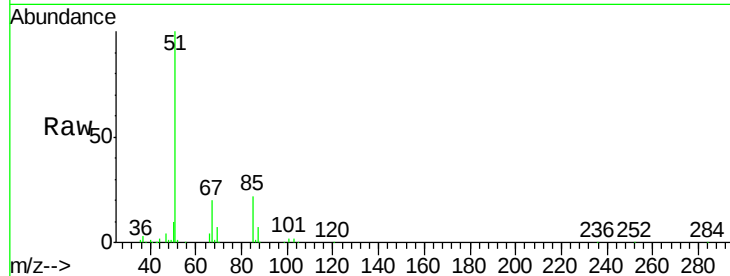
VSTDCCC050

Tot Ion: 51 Resp: 69289

Ion Ratio Lower Upper

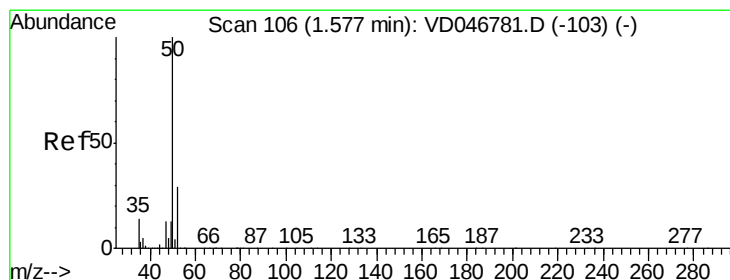
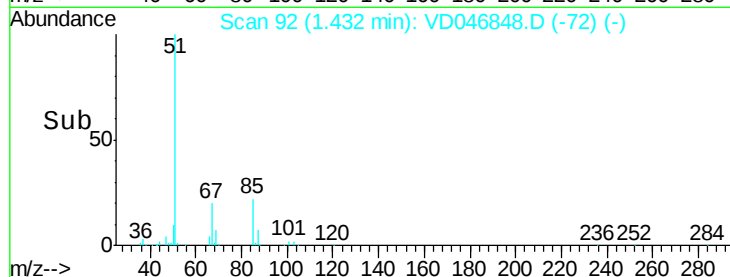
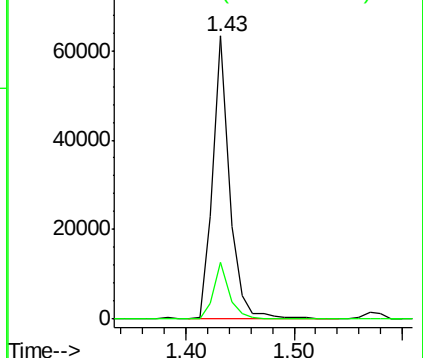
51 100

67 19.1 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: 40.47 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046848.D

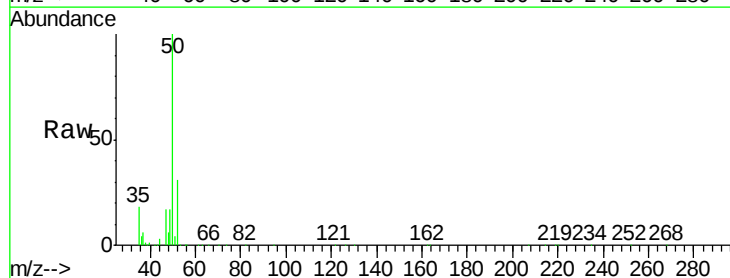
Acq: 23 Sep 2015 10:49

Tgt Ion: 50 Resp: 45142

Ion Ratio Lower Upper

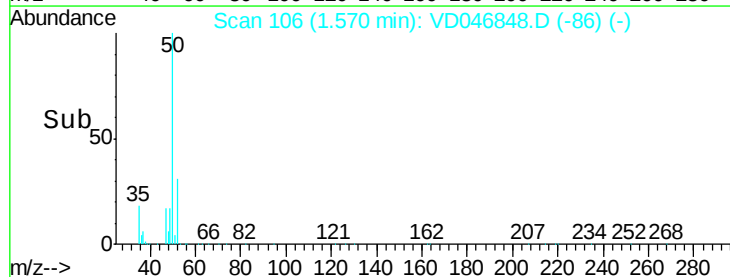
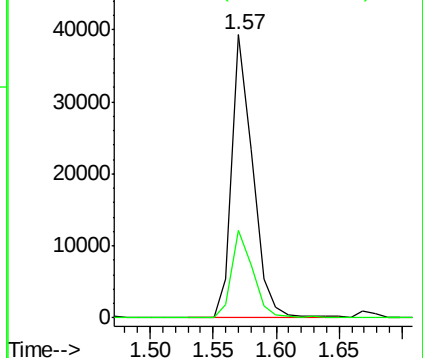
50 100

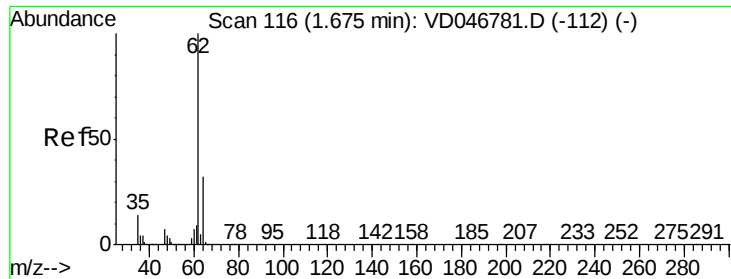
52 30.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 45.04 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

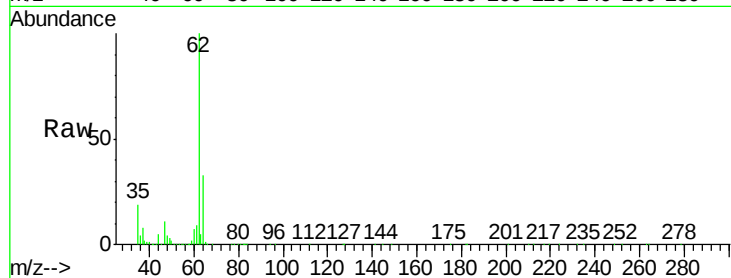
VSTDCCC050

Tot Ion: 62 Resp: 47191

Ion Ratio Lower Upper

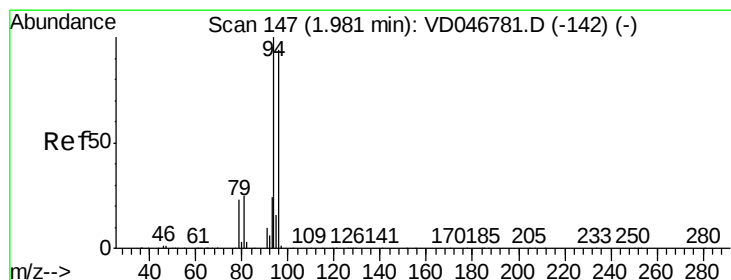
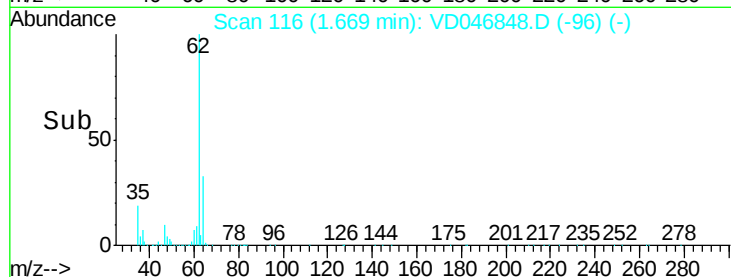
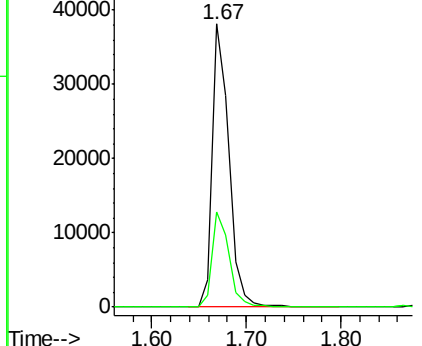
62 100

64 33.4 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: 52.56 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046848.D

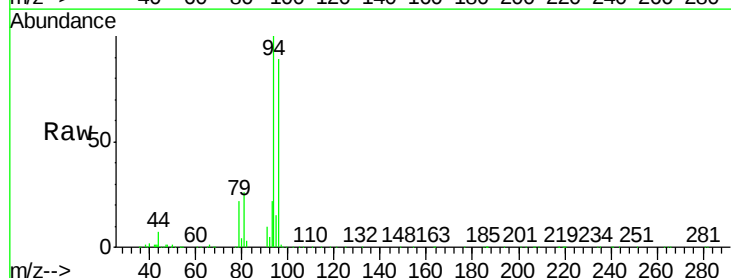
Acq: 23 Sep 2015 10:49

Tgt Ion: 94 Resp: 47489

Ion Ratio Lower Upper

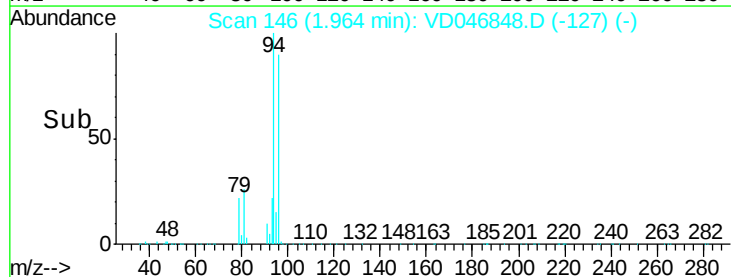
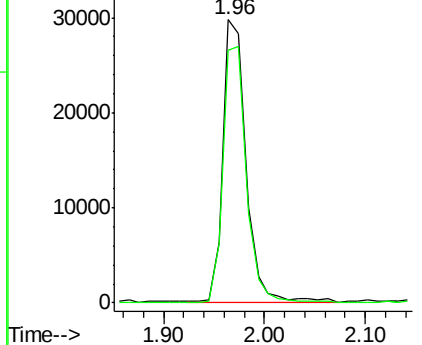
94 100

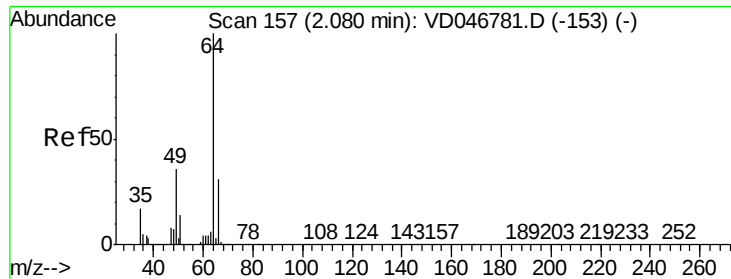
96 89.3 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 51.65 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046848.D

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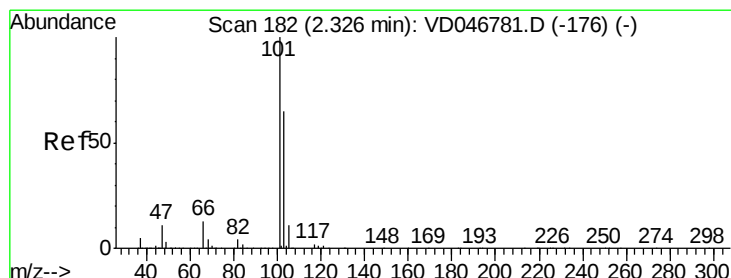
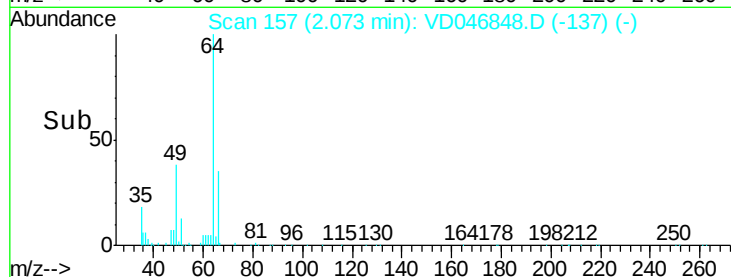
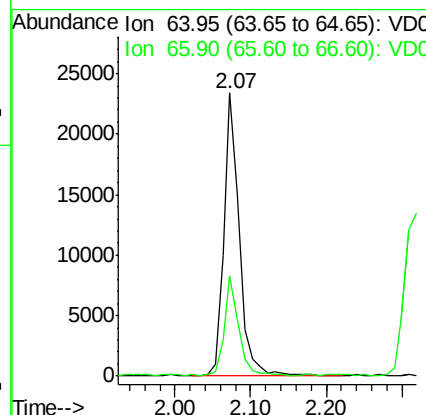
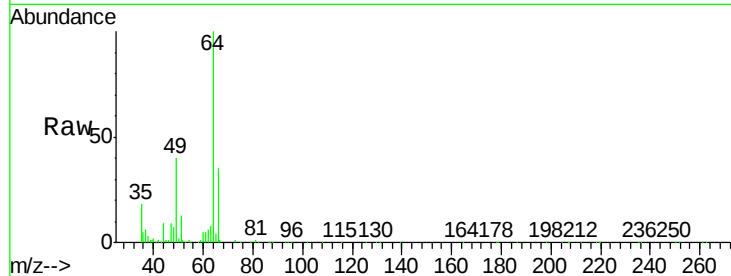
VSTDCCC050

Tot Ion: 64 Resp: 33870

Ion Ratio Lower Upper

64 100

66 35.4 26.6 39.8



#8

Trichlorofluoromethane

Concen: 55.80 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046848.D

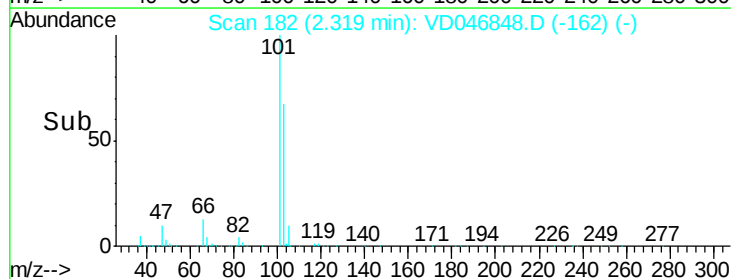
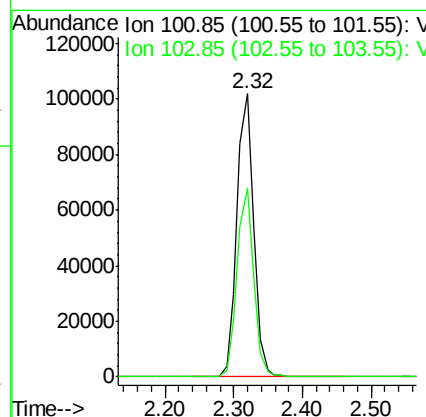
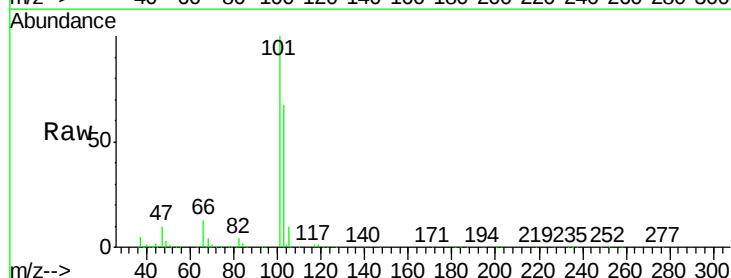
Acq: 23 Sep 2015 10:49

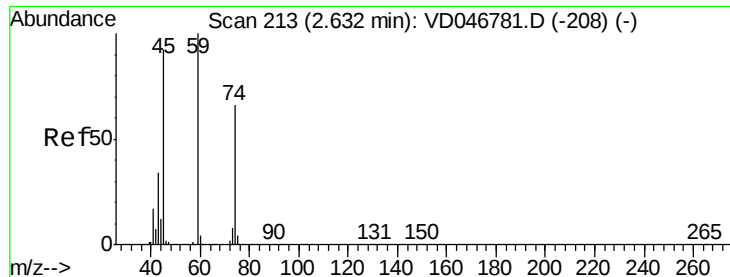
Tgt Ion: 101 Resp: 172920

Ion Ratio Lower Upper

101 100

103 66.8 53.2 79.8





#9

Diethyl Ether

Concen: 48.14 ug/l

RT: 2.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

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ClientSampleId :

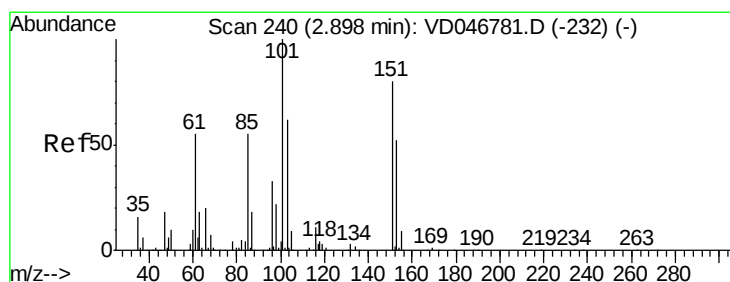
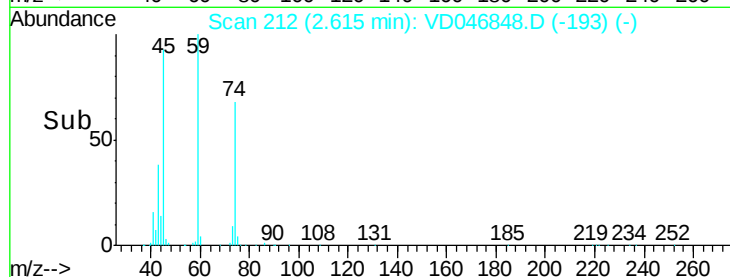
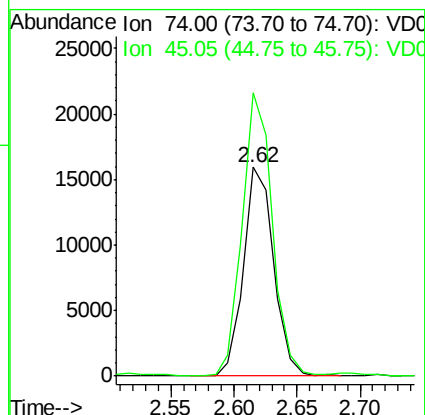
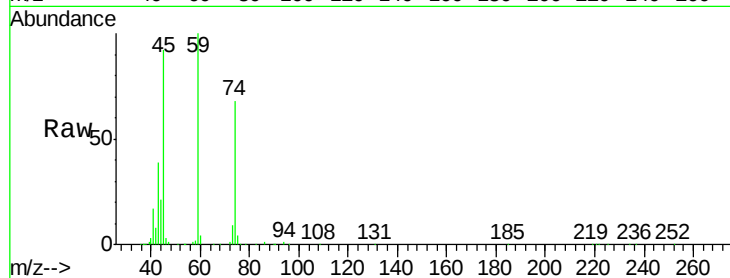
VSTDCCC050

Tot Ion: 74 Resp: 26448

Ion Ratio Lower Upper

74 100

45 135.7 76.2 228.6



#10

1,1,2-Trichlorotrifluoroethane

Concen: 48.92 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

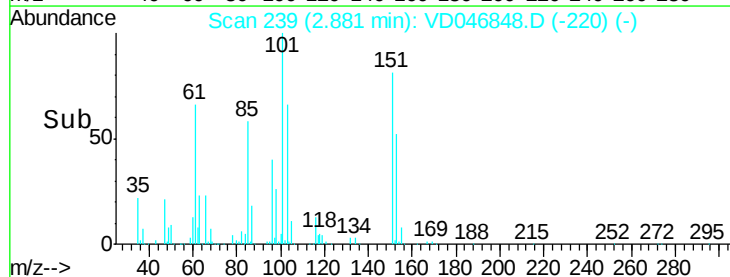
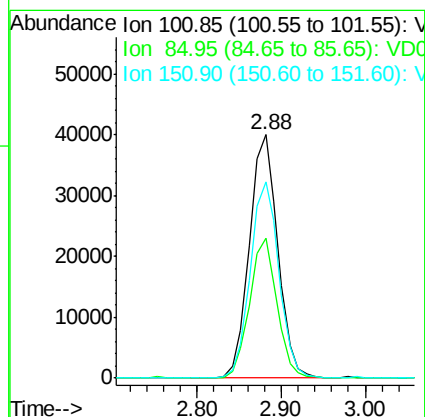
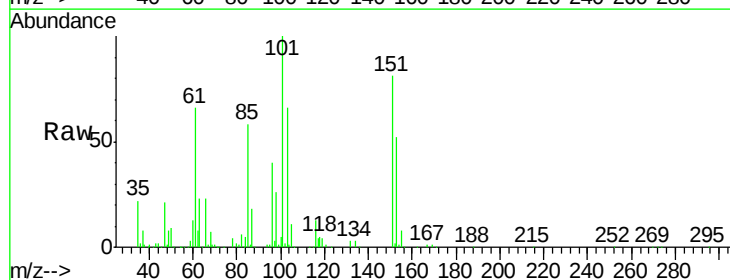
Tgt Ion: 101 Resp: 94864

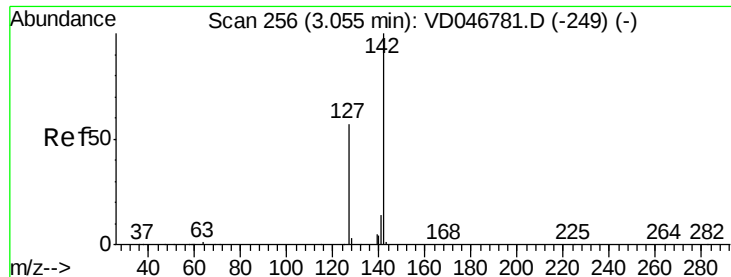
Ion Ratio Lower Upper

101 100

85 57.6 42.0 63.0

151 80.8 65.2 97.8

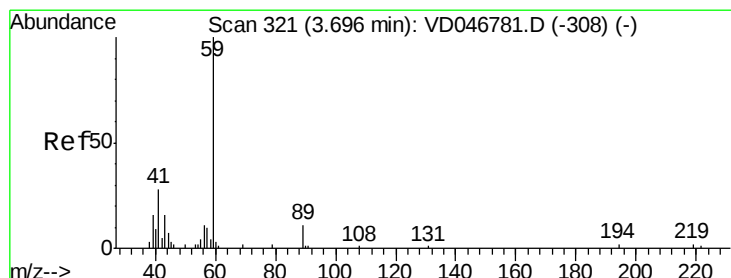
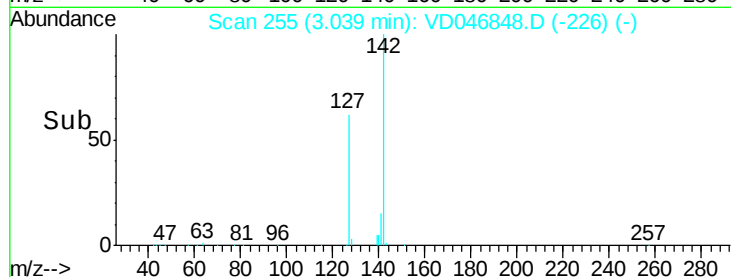
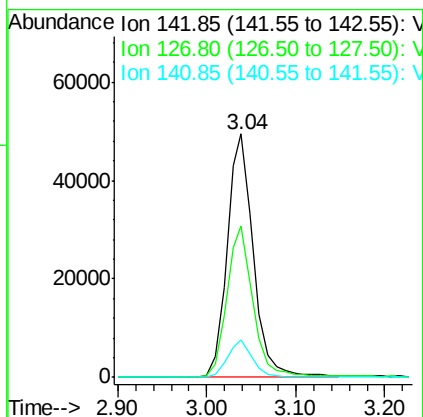
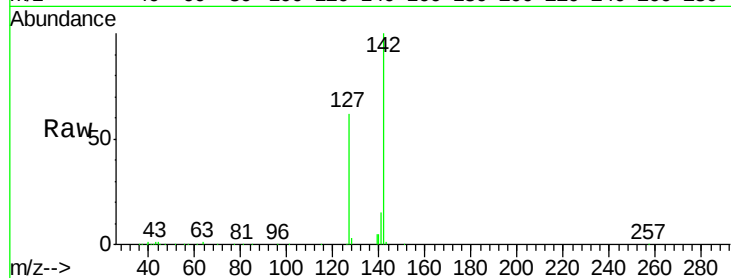




#11
Methvl Iodide
Concen: 45.45 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

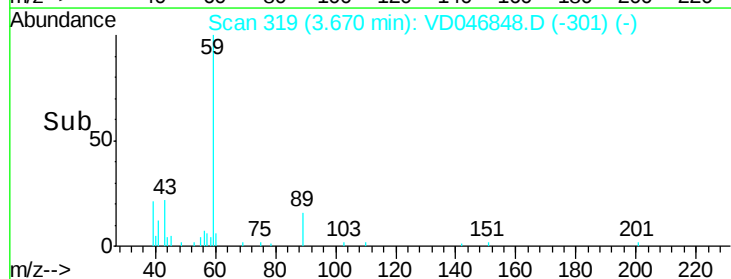
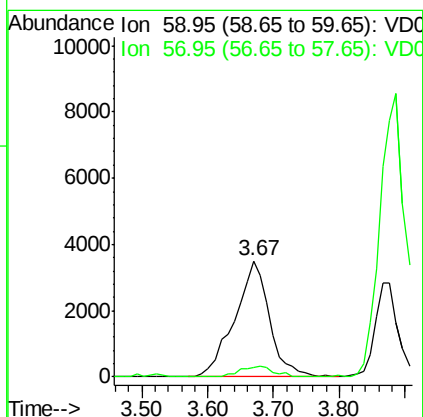
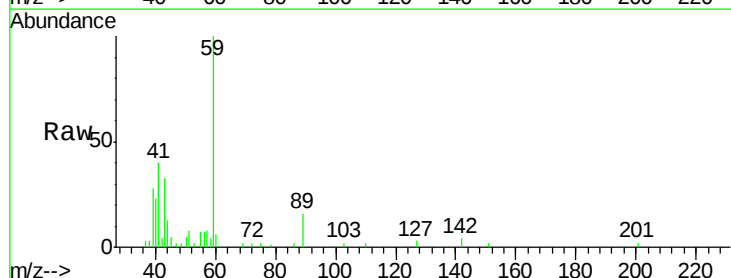
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

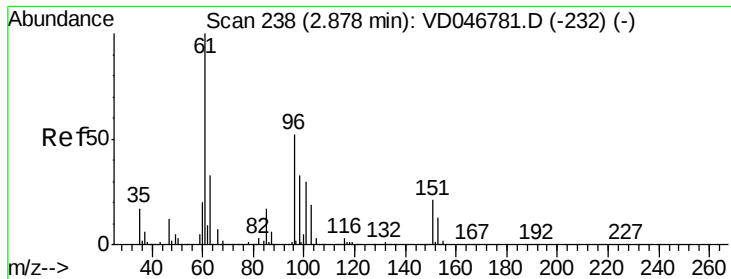
Tot Ion:142 Resp: 102564
Ion Ratio Lower Upper
142 100
127 62.1 41.2 61.8#
141 15.3 11.6 17.4



#12
Tert butyl alcohol
Concen: 198.85 ug/l
RT: 3.67 min Scan# 319
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion: 59 Resp: 12902
Ion Ratio Lower Upper
59 100
57 7.8 7.8 11.6





#13

1,1-Dichloroethene

Concen: 47.16 ug/l

RT: 2.86 min Scan# 237

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

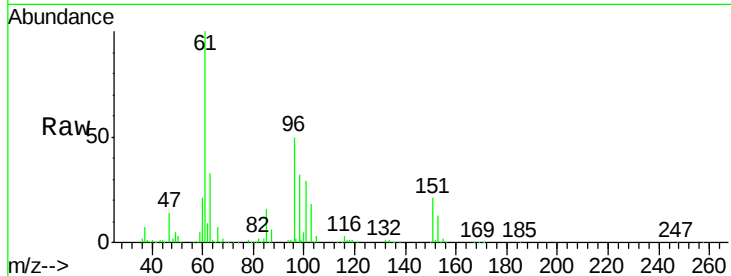
Tot Ion: 96 Resp: 71497

Ion Ratio Lower Upper

96 100

61 198.2 152.2 228.4

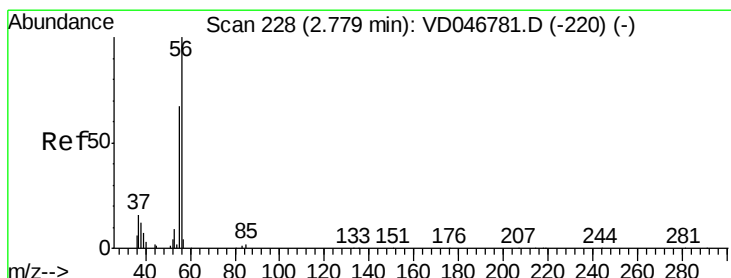
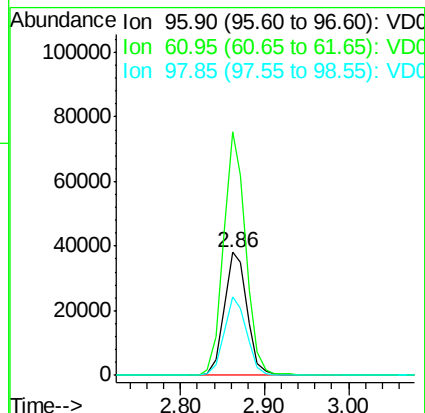
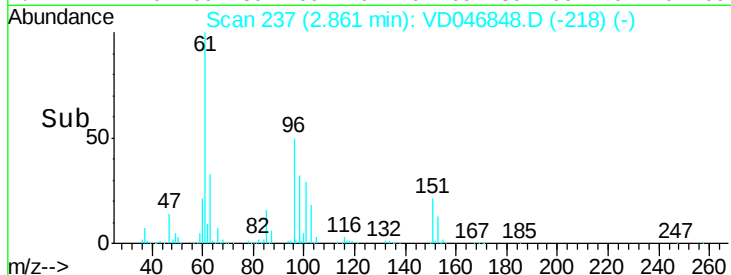
98 63.8 51.2 76.8



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



#14

Acrolein

Concen: 216.48 ug/l

RT: 2.76 min Scan# 227

Delta R.T. -0.02 min

Lab File: VD046848.D

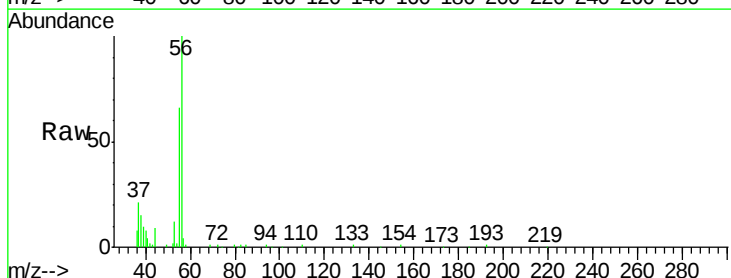
Acq: 23 Sep 2015 10:49

Tgt Ion: 56 Resp: 21759

Ion Ratio Lower Upper

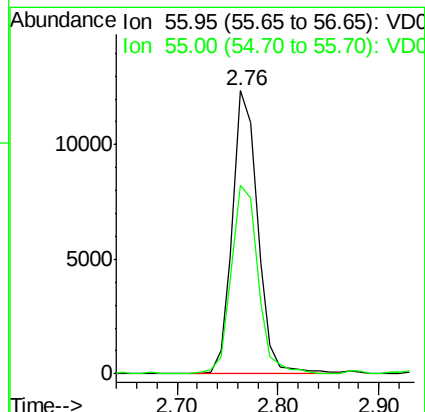
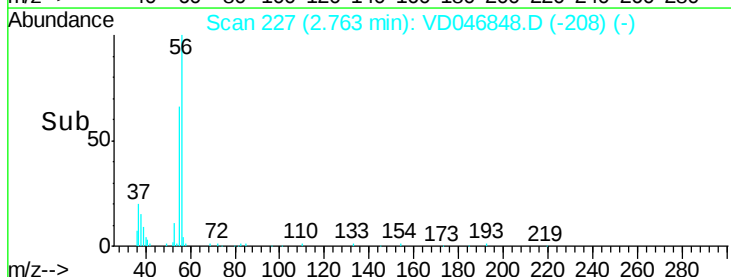
56 100

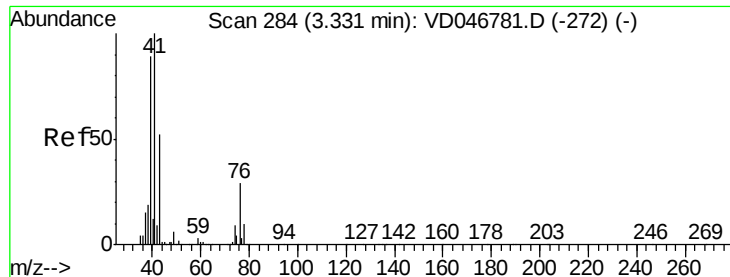
55 66.5 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

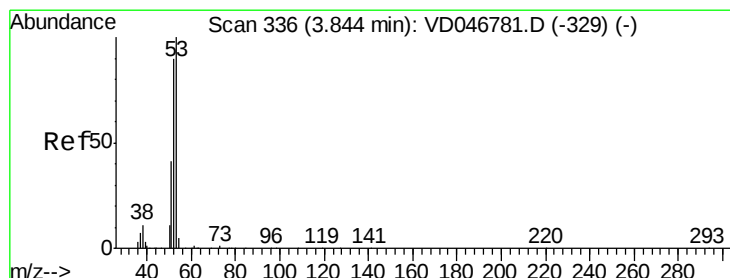
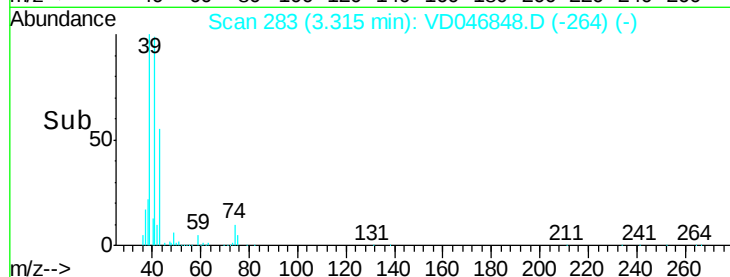
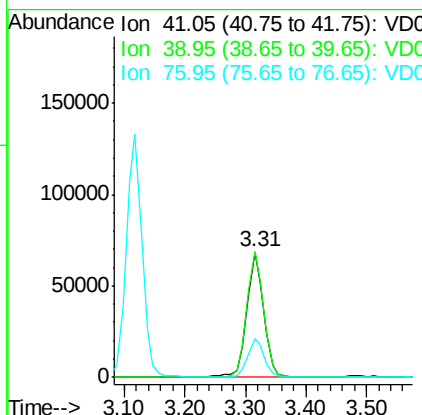
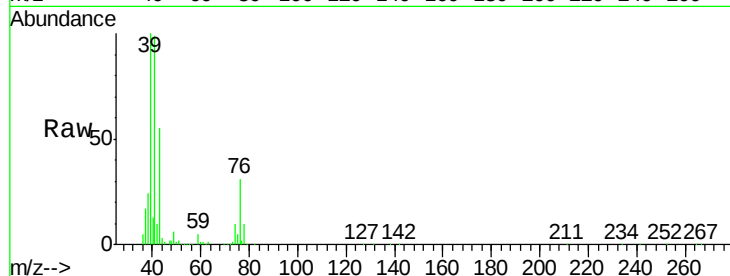




#15
Allvl chloride
Concen: 43.59 ug/l
RT: 3.31 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

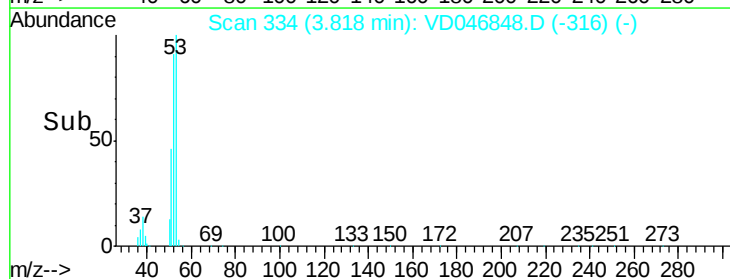
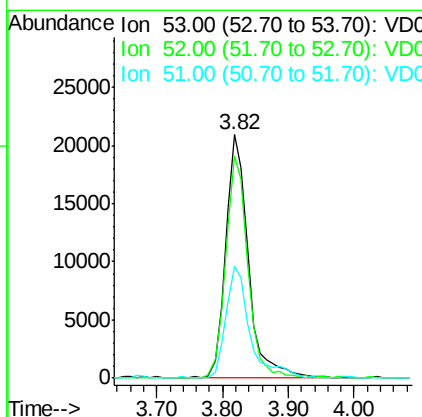
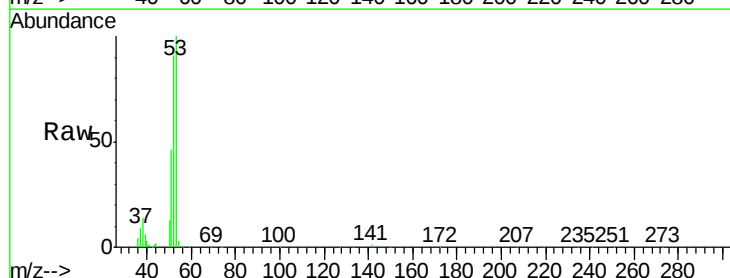
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

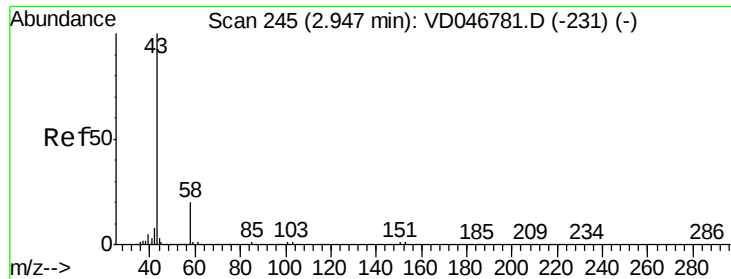
Tot Ion: 41 Resp: 134166
Ion Ratio Lower Upper
41 100
39 101.4 58.8 88.2#
76 31.2 22.7 34.1



#16
Acrylonitrile
Concen: 220.52 ug/l
RT: 3.82 min Scan# 334
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion: 53 Resp: 50659
Ion Ratio Lower Upper
53 100
52 90.9 66.8 100.2
51 46.0 31.2 46.8





#17

Acetone

Concen: 257.63 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

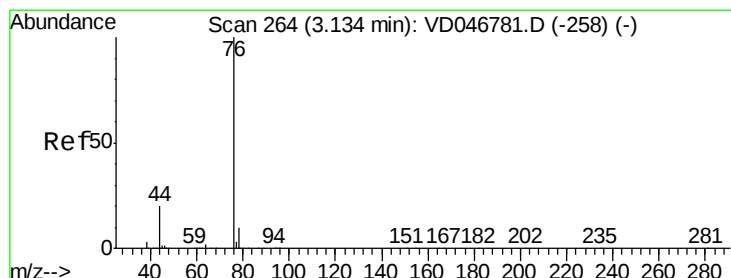
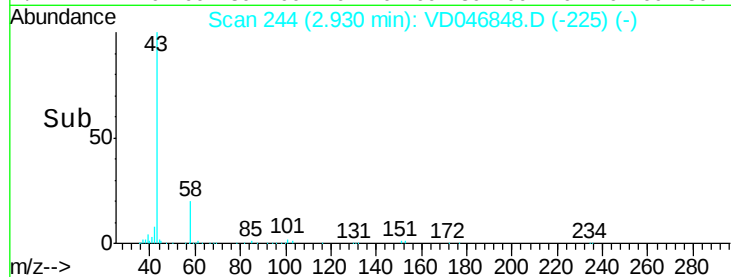
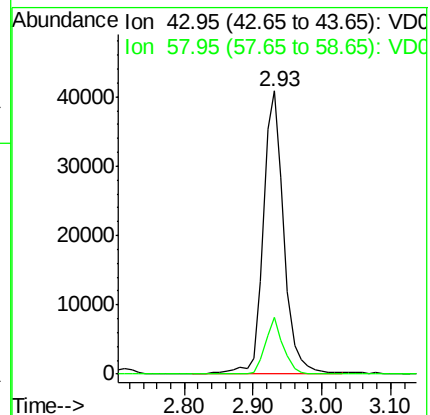
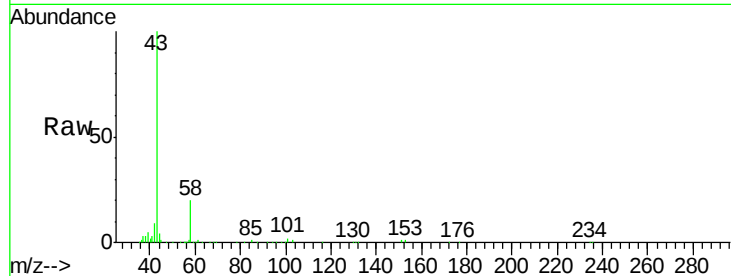
VSTDCCC050

Tot Ion: 43 Resp: 85645

Ion Ratio Lower Upper

43 100

58 20.1 16.6 24.8



#18

Carbon Disulfide

Concen: 42.29 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046848.D

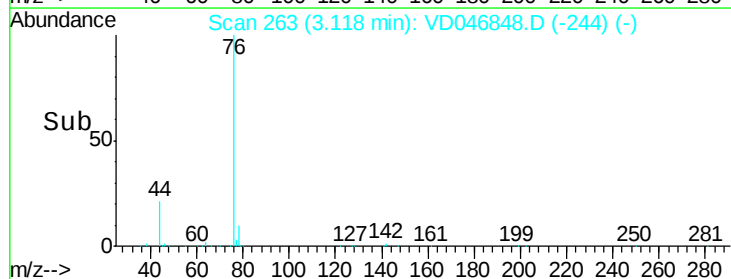
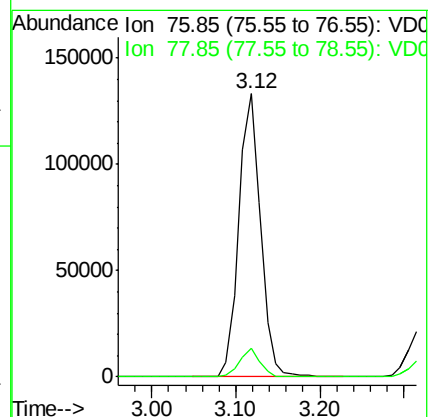
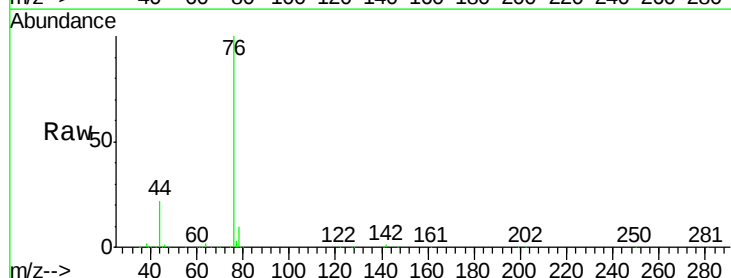
Acq: 23 Sep 2015 10:49

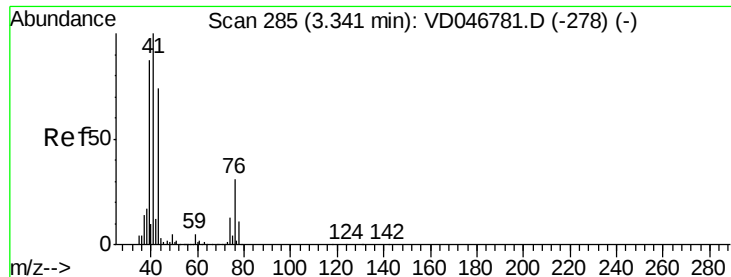
Tgt Ion: 76 Resp: 240181

Ion Ratio Lower Upper

76 100

78 10.0 8.0 12.0

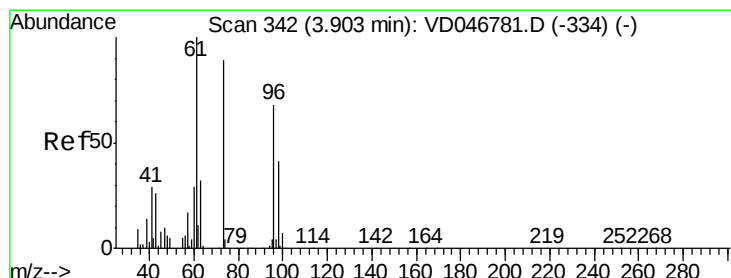
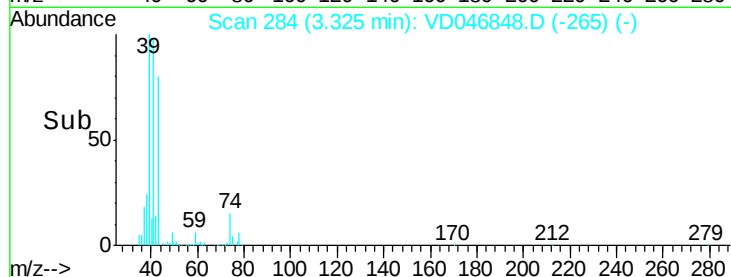
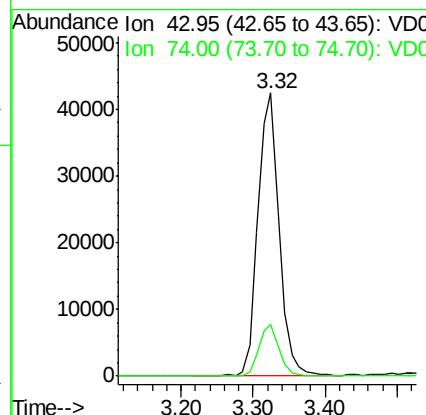
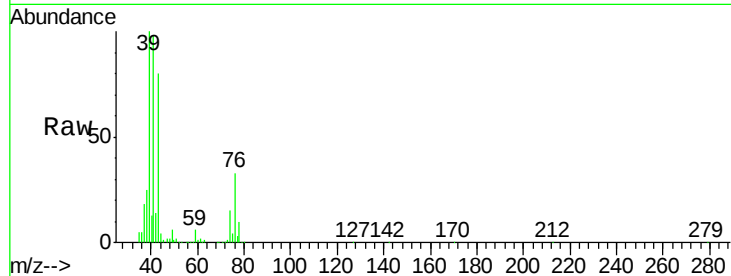




#19
Methvl Acetate
Concen: 45.74 ug/l
RT: 3.32 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

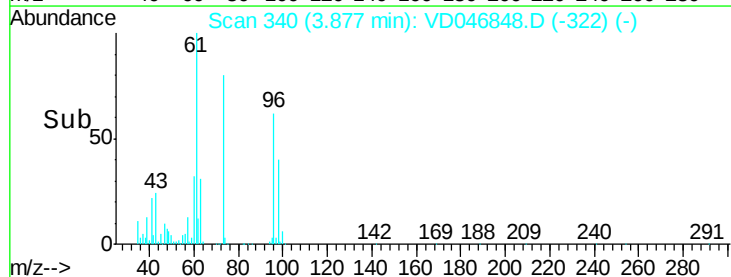
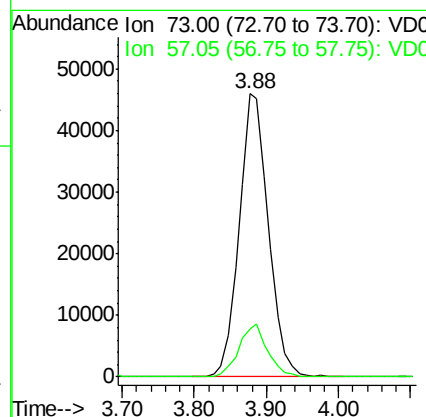
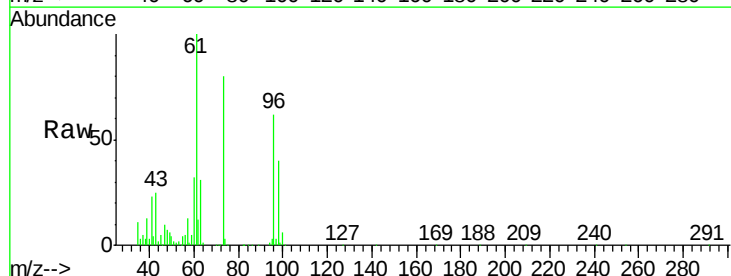
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

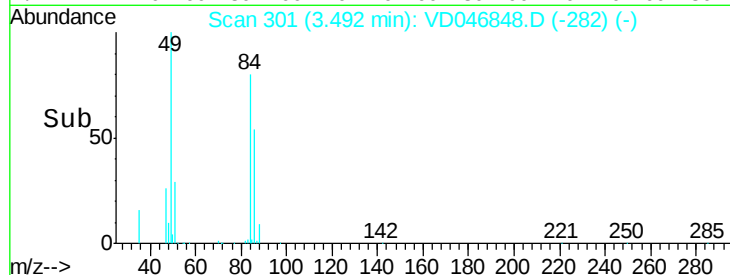
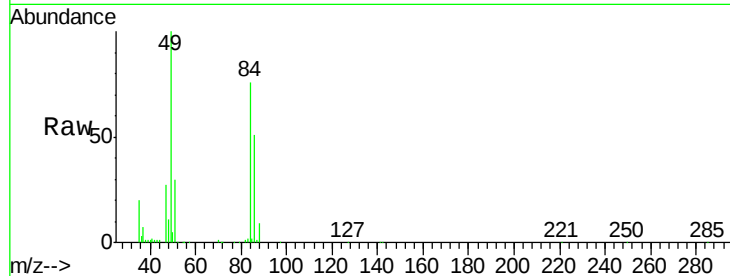
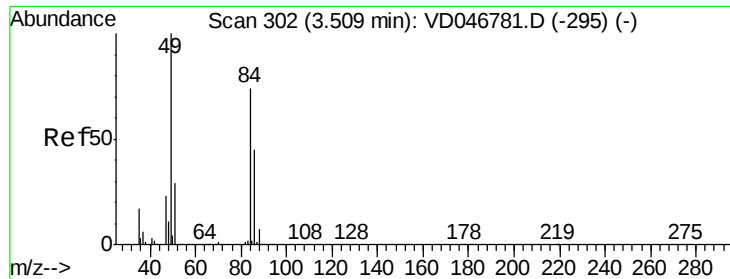
Tot Ion: 43 Resp: 88089
Ion Ratio Lower Upper
43 100
74 18.3 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 54.55 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion: 73 Resp: 129556
Ion Ratio Lower Upper
73 100
57 16.9 18.1 27.1#

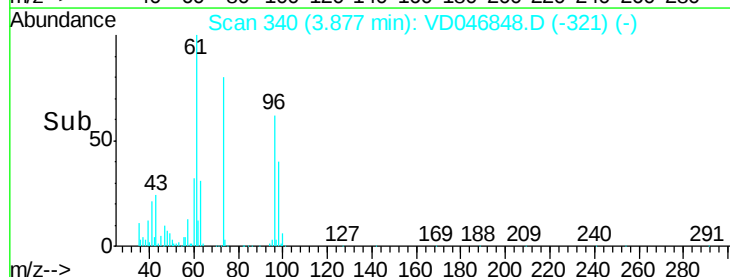
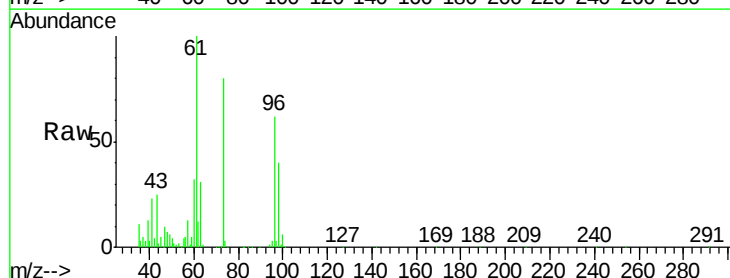
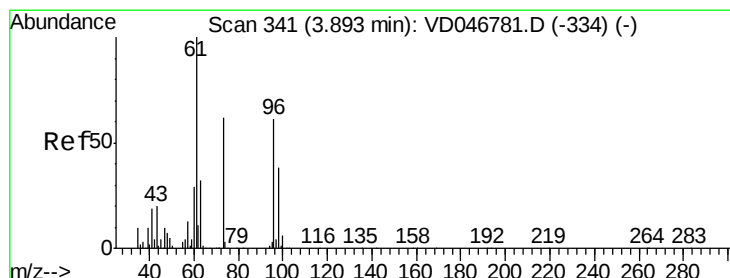
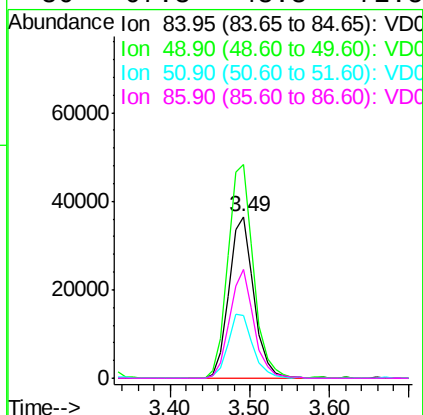




#21
Methylene Chloride
Concen: 44.38 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

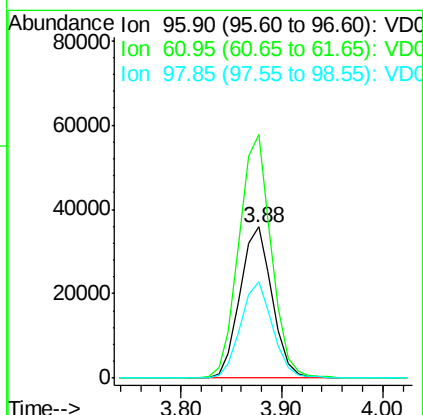
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

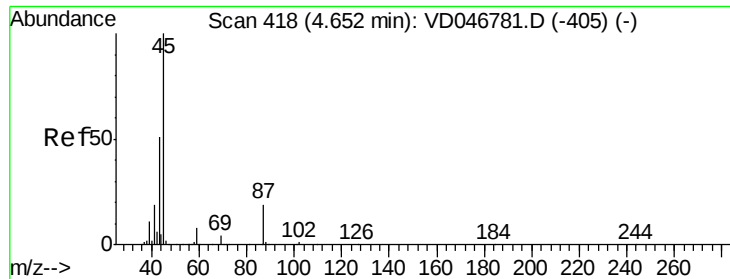
Tot Ion:	84	Resp:	80106
Ion	Ratio	Lower	Upper
84	100		
49	132.4	122.1	183.1
51	39.3	33.6	50.4
86	67.3	48.3	72.5



#22
trans-1,2-Dichloroethene
Concen: 46.94 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion:	96	Resp:	80242
Ion	Ratio	Lower	Upper
96	100		
61	161.1	125.8	188.6
98	64.0	54.5	81.7

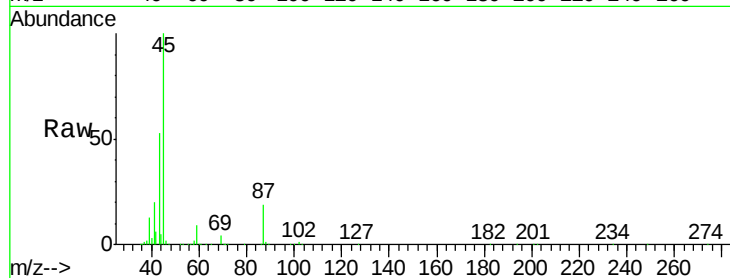




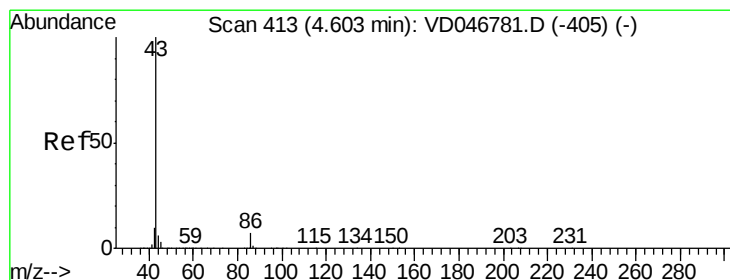
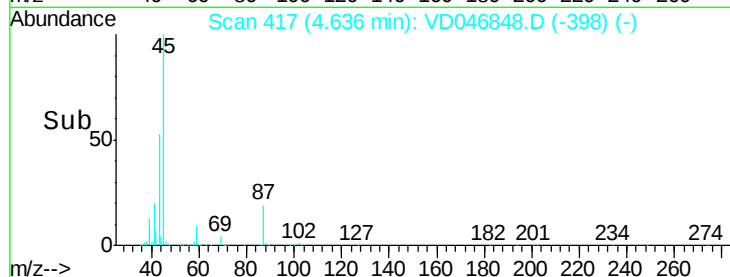
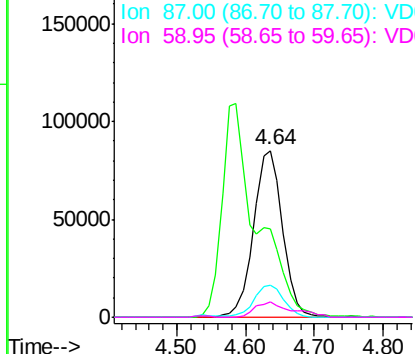
#23
Diisopropyl ether
Concen: 49.01 ug/l
RT: 4.64 min Scan# 417
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	45	Resp:	250416
Ion	Ratio	Lower	Upper
45	100		
43	53.1	35.9	53.9
87	19.3	13.0	19.6
59	9.1	7.0	10.6

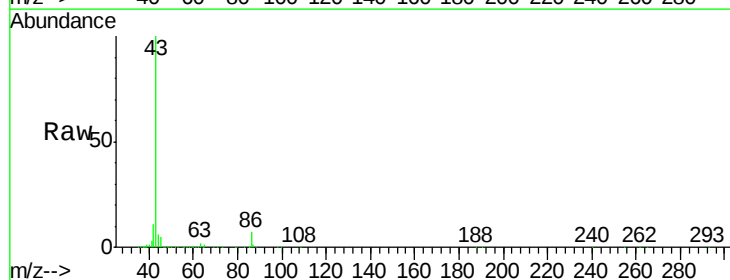


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

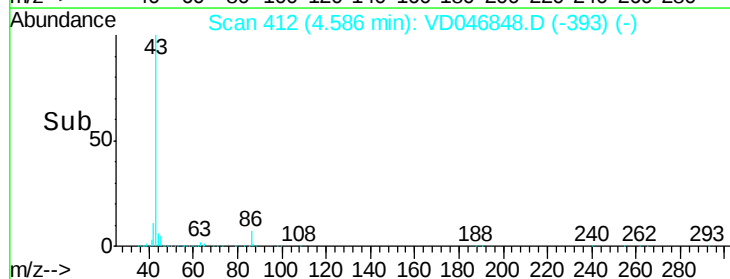
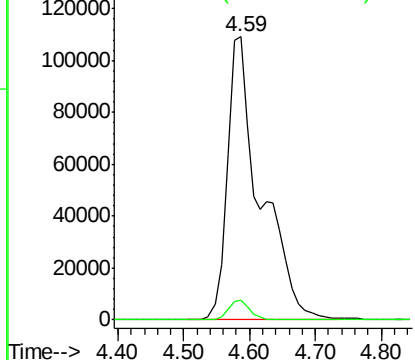


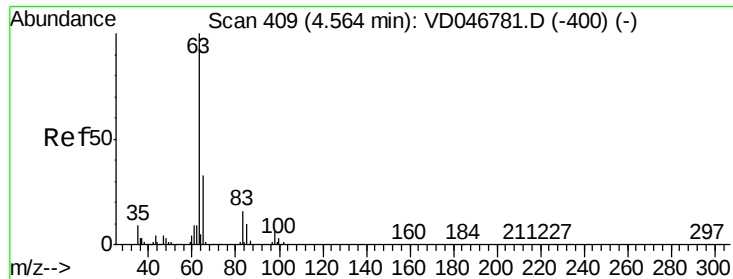
#24
Vinyl Acetate
Concen: 317.84 ug/l
RT: 4.59 min Scan# 412
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion:	43	Resp:	385898
Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.9	7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC





#25

1,1-Dichloroethane

Concen: 47.22 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

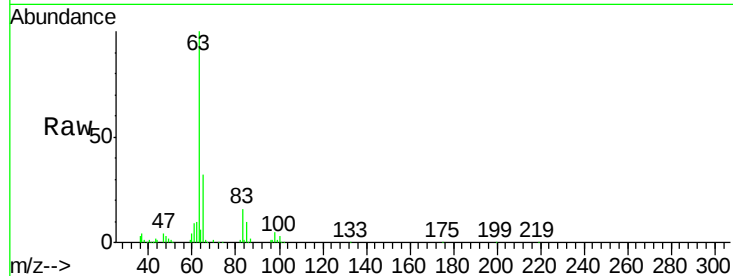
Tot Ion: 63 Resp: 148642

Ion Ratio Lower Upper

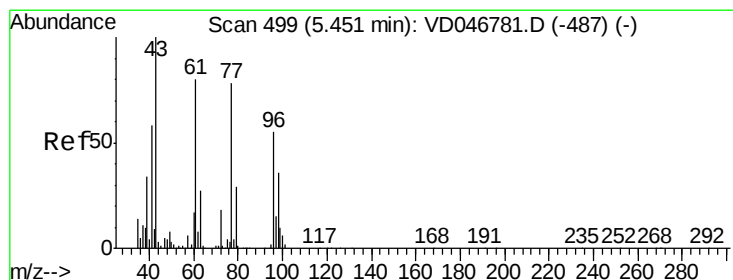
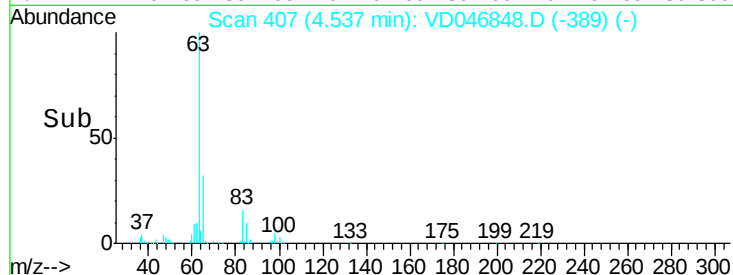
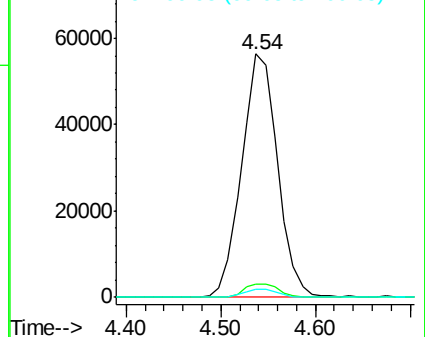
63 100

98 5.2 2.5 7.5

100 3.1 1.5 4.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#26

2-Butanone

Concen: 250.24 ug/l

RT: 5.43 min Scan# 498

Delta R.T. -0.02 min

Lab File: VD046848.D

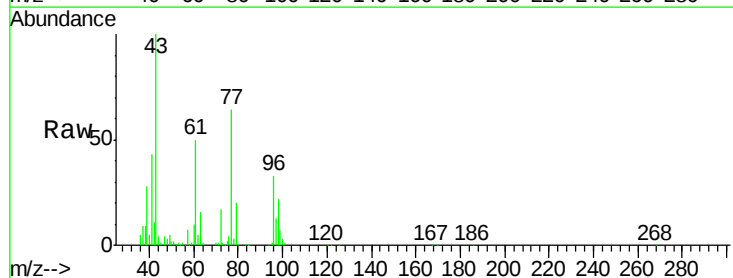
Acq: 23 Sep 2015 10:49

Tgt Ion: 43 Resp: 93495

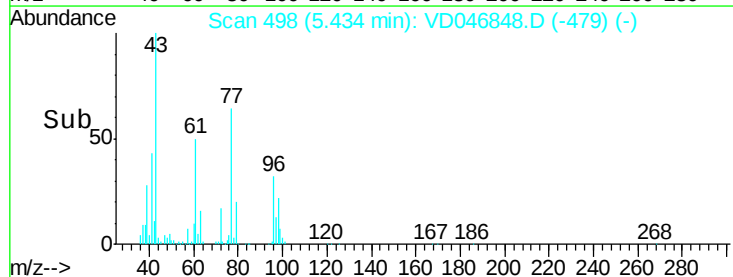
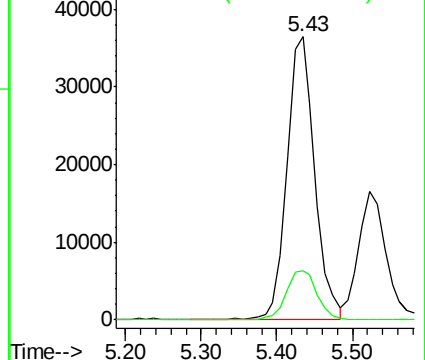
Ion Ratio Lower Upper

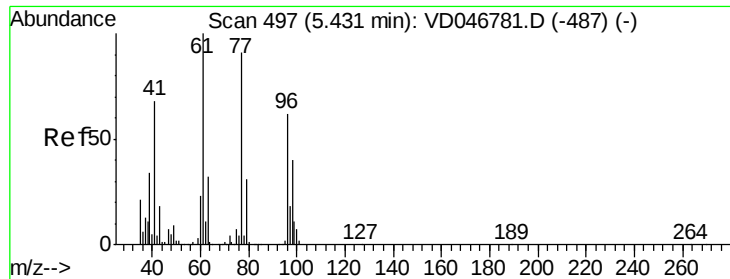
43 100

72 17.3 13.4 20.0



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





#27

2,2-Dichloropropane

Concen: 53.90 ug/l

RT: 5.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

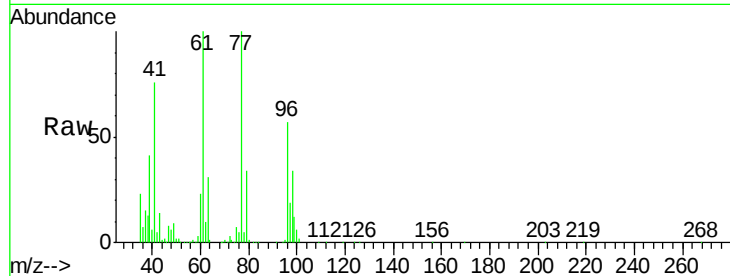
VSTDCCC050

Tot Ion: 77 Resp: 174334

Ion Ratio Lower Upper

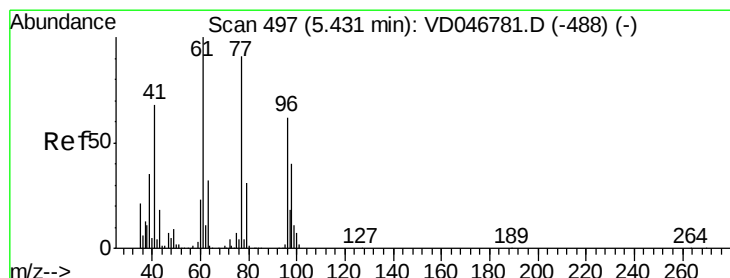
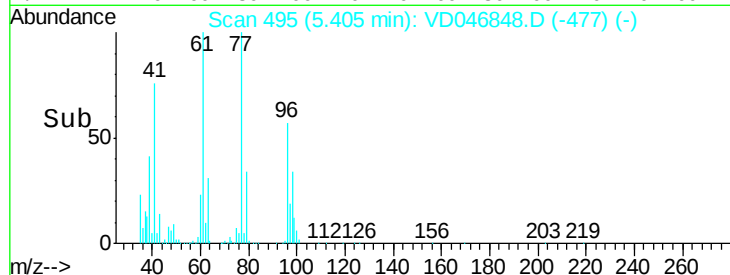
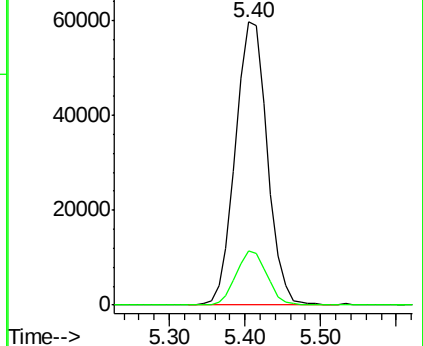
77 100

97 19.2 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: 49.21 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

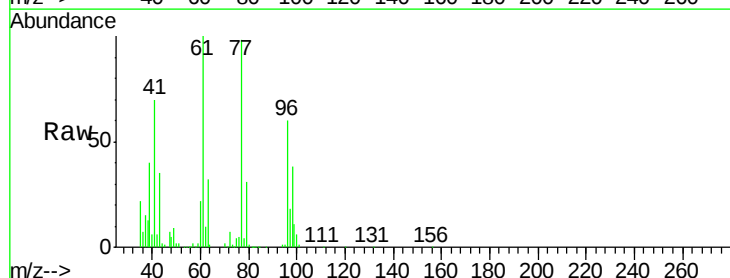
Tgt Ion: 96 Resp: 87584

Ion Ratio Lower Upper

96 100

61 165.8 0.0 348.0

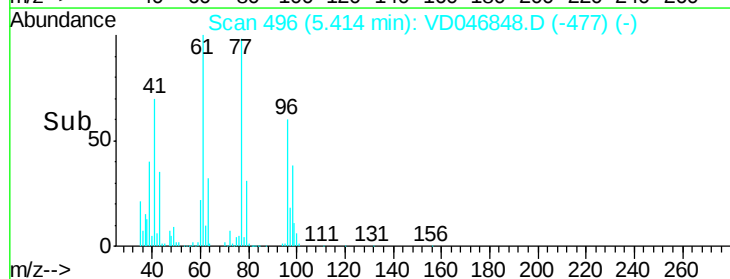
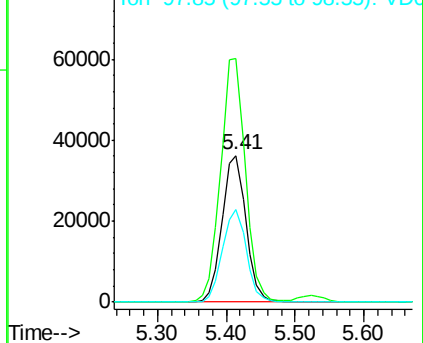
98 63.4 0.0 128.8

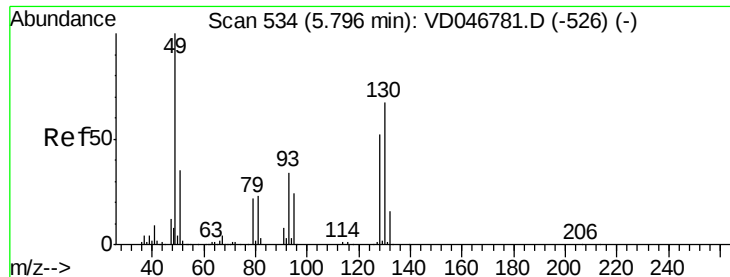


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Bromochloromethane

Concen: 46.42 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

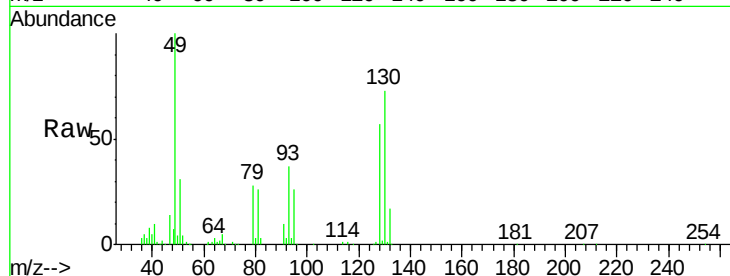
Tot Ion: 49 Resp: 57572

Ion Ratio Lower Upper

49 100

129 2.3 0.0 2.8

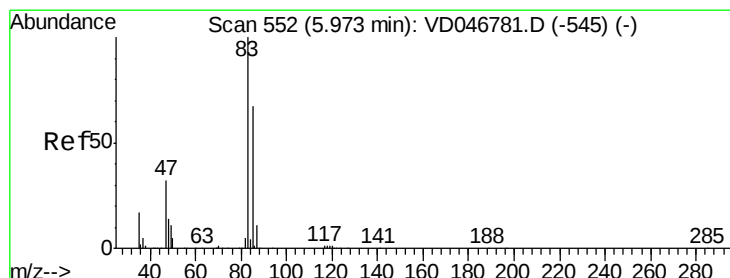
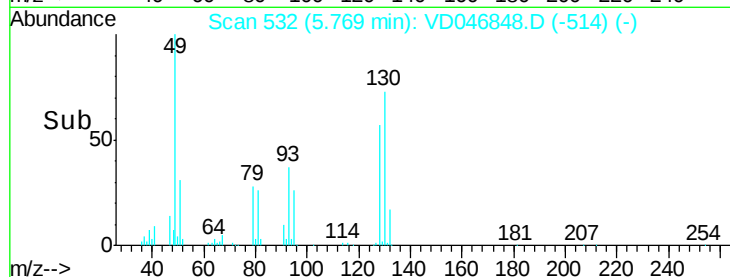
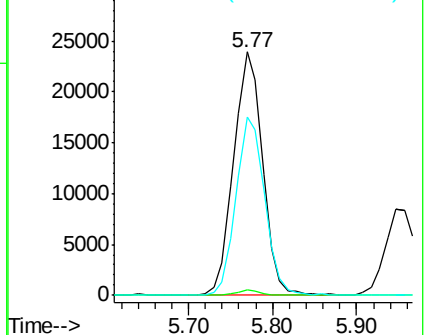
130 73.1 50.2 75.4



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 52.82 ug/l

RT: 5.96 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD046848.D

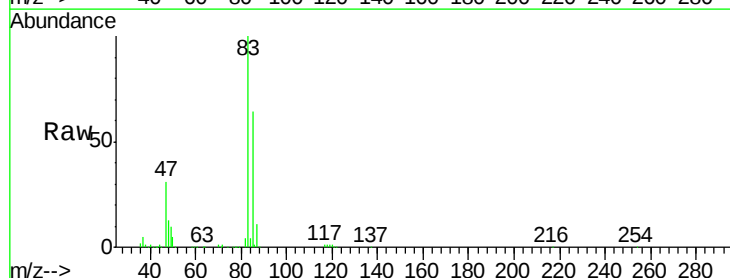
Acq: 23 Sep 2015 10:49

Tgt Ion: 83 Resp: 201698

Ion Ratio Lower Upper

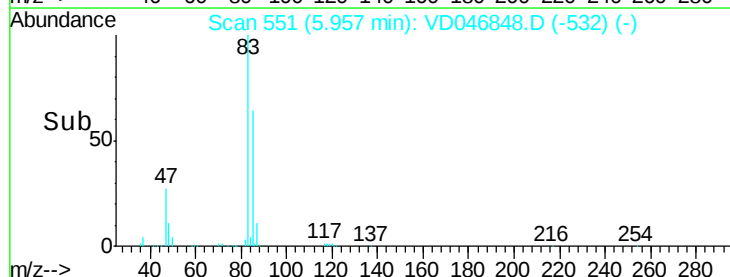
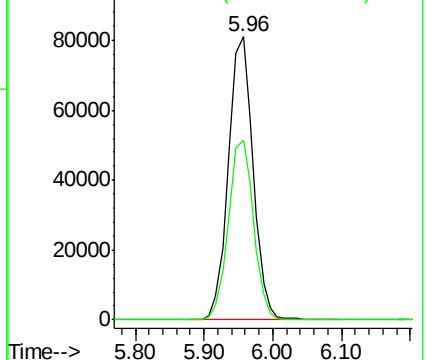
83 100

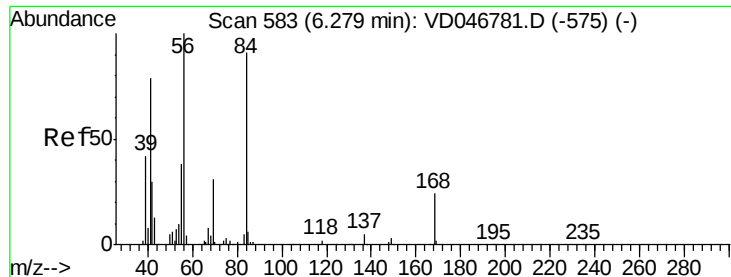
85 63.6 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 43.47 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

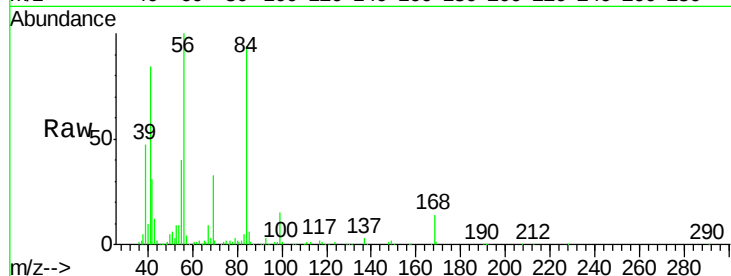
Tot Ion: 56 Resp: 128399

Ion Ratio Lower Upper

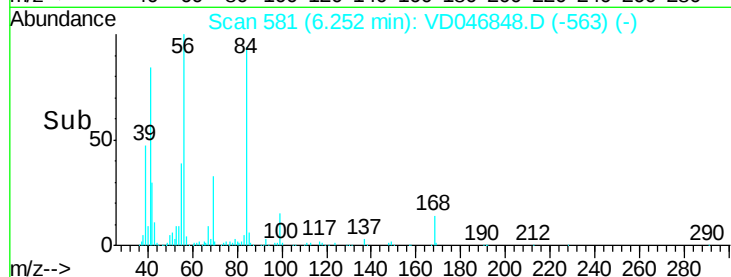
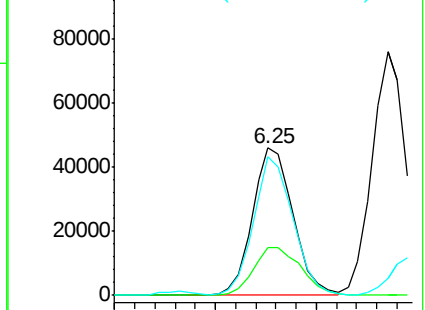
56 100

69 32.8 23.4 35.0

84 93.8 63.8 95.8



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



#32

1,1,1-Trichloroethane

Concen: 54.36 ug/l

RT: 6.16 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

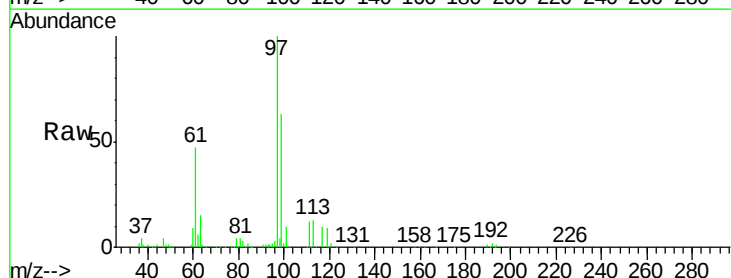
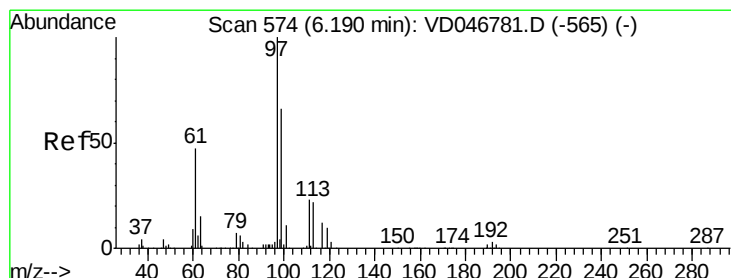
Tgt Ion: 97 Resp: 184797

Ion Ratio Lower Upper

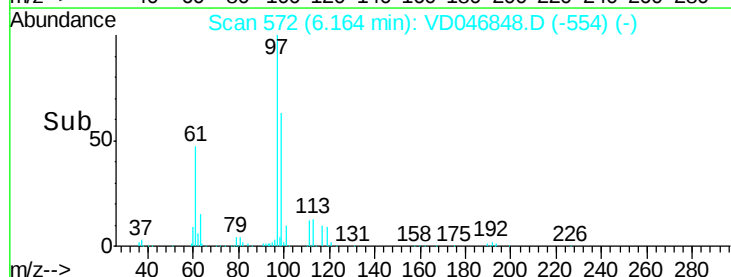
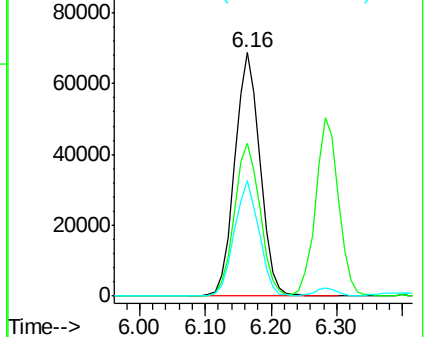
97 100

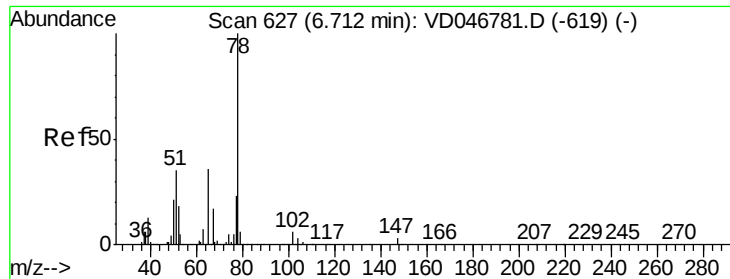
99 63.0 50.2 75.4

61 47.3 38.6 57.8



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





#33

1,2-Dichloroethane-d4

Concen: 54.36 ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

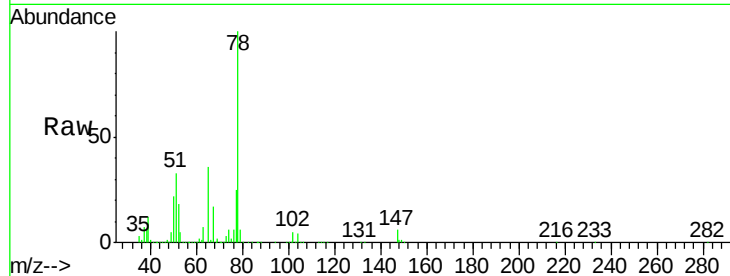
VSTDCCC050

Tot Ion: 65 Resp: 113624

Ion Ratio Lower Upper

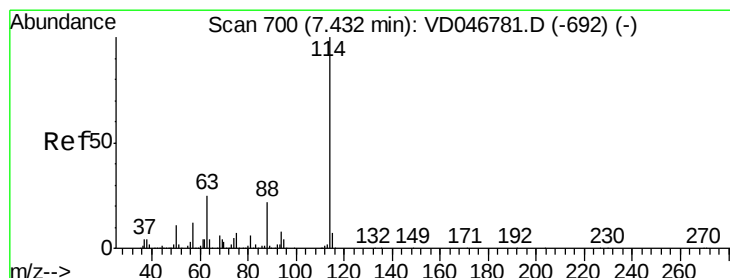
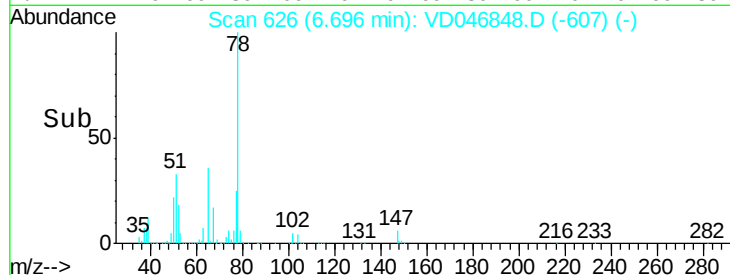
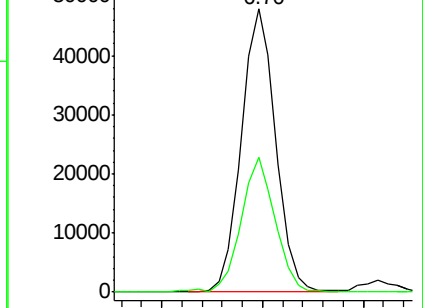
65 100

67 47.8 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

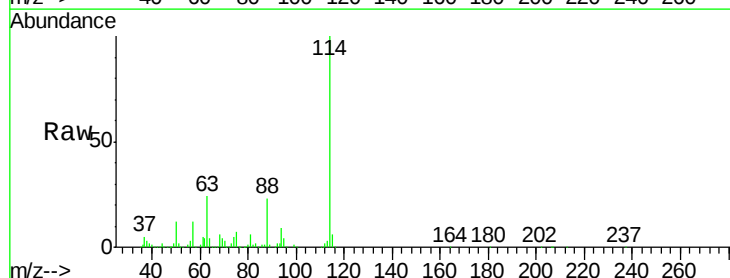
Tgt Ion: 114 Resp: 221906

Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.8

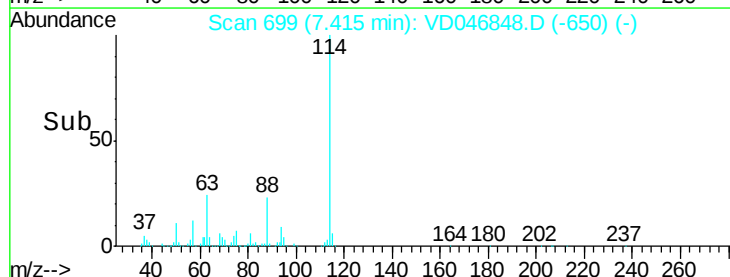
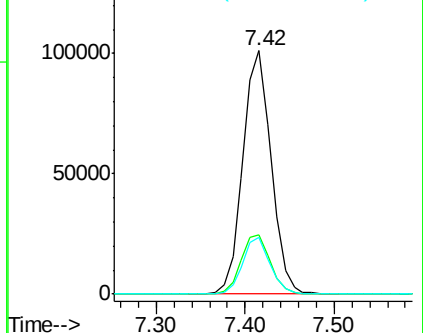
88 23.2 0.0 43.6

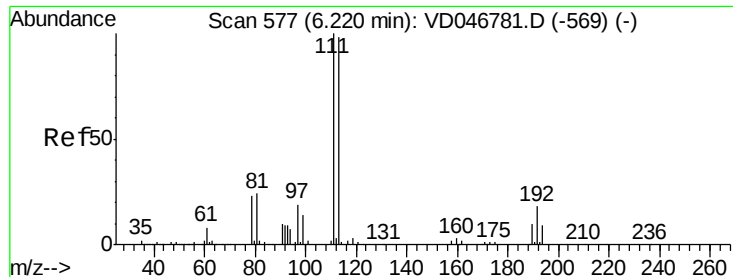


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

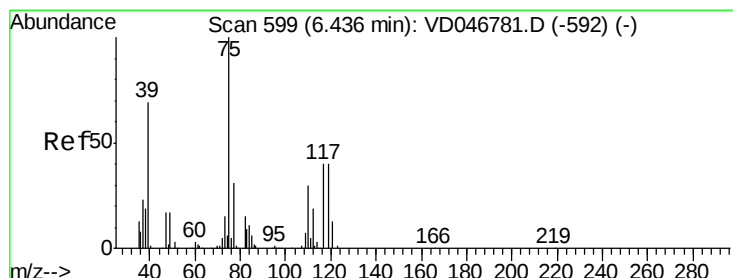
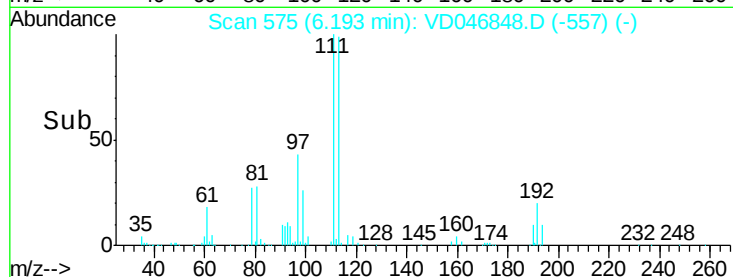
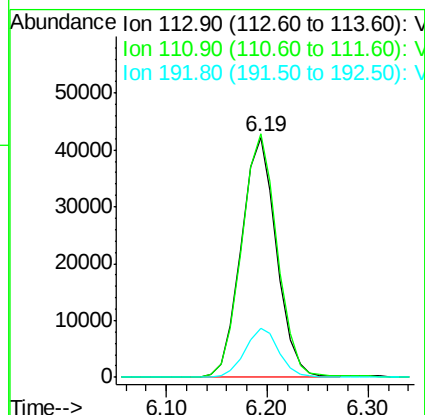
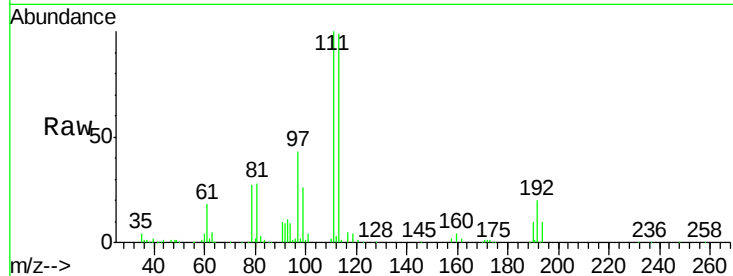




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

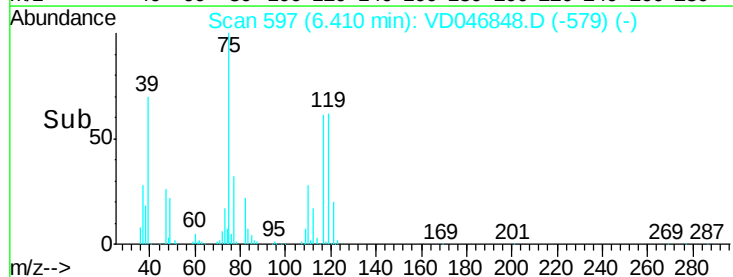
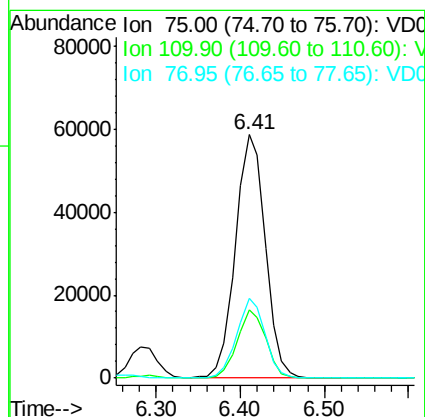
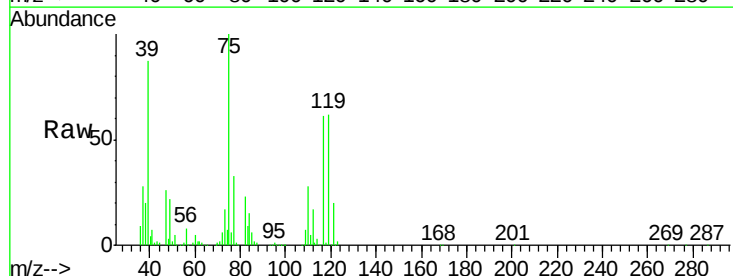
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

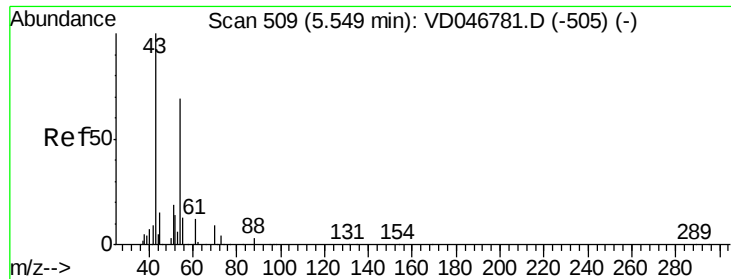
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	79.4	119.0
192	20.5	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 55.62 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.9	13.7	41.0
77	32.7	24.7	37.1

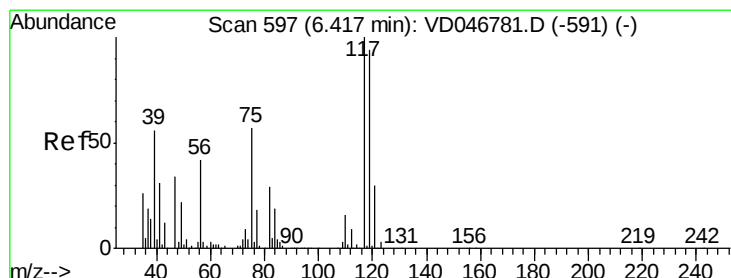
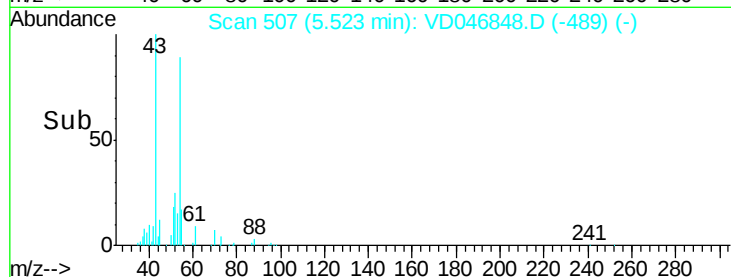
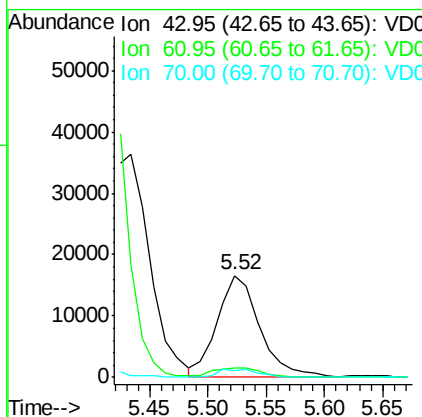
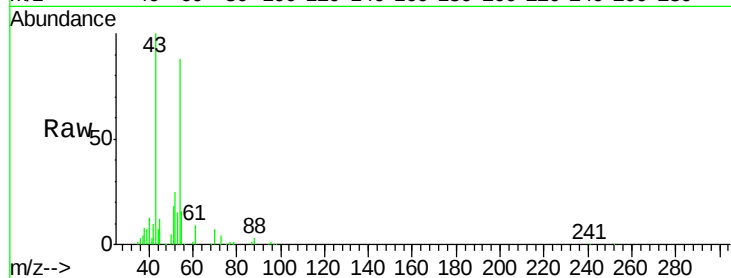




#37
Ethyl Acetate
Concen: 49.35 ug/l
RT: 5.52 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

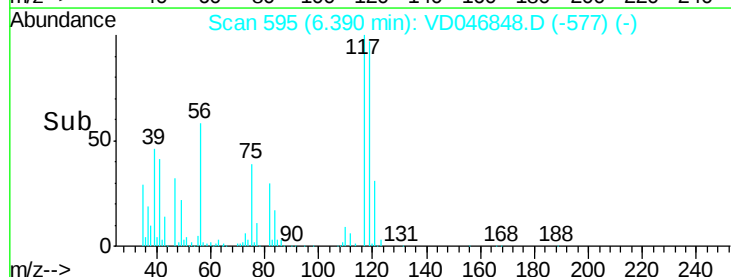
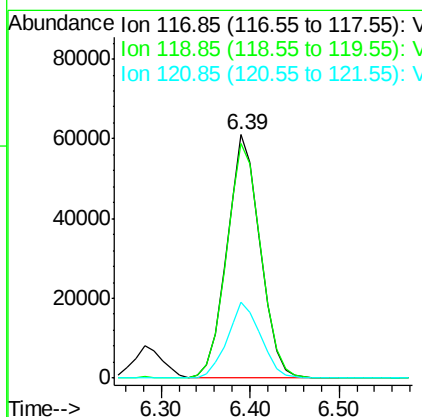
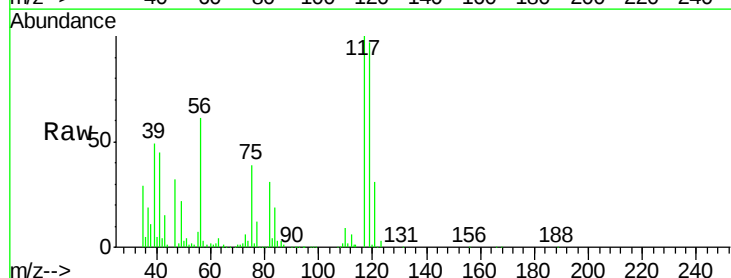
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

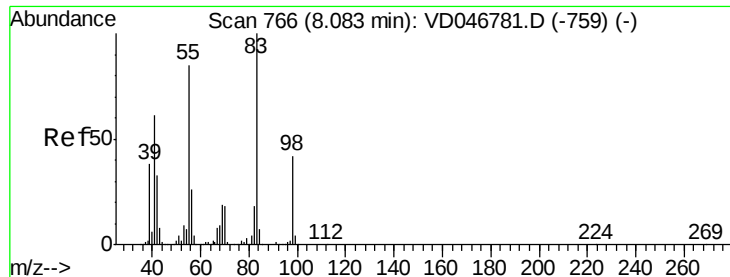
Tot Ion: 43 Resp: 41105
Ion Ratio Lower Upper
43 100
61 9.3 9.4 14.2#
70 7.1 6.0 9.0



#38
Carbon Tetrachloride
Concen: 58.67 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion: 117 Resp: 158109
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.4
121 31.2 24.5 36.7

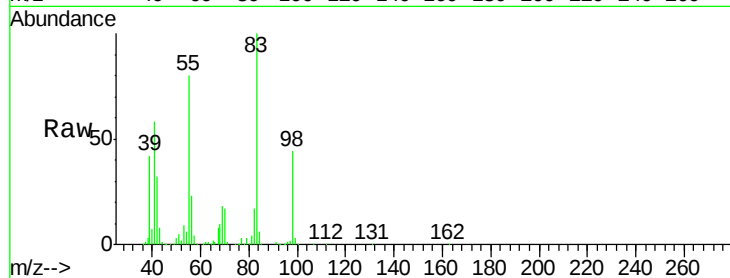




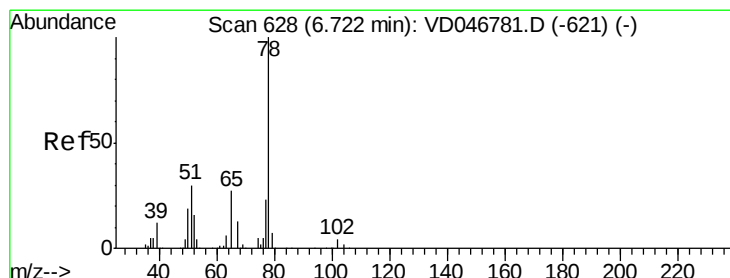
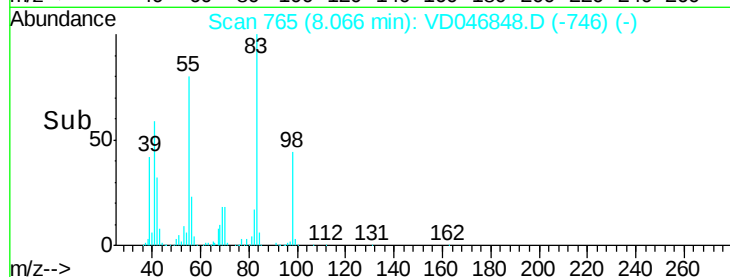
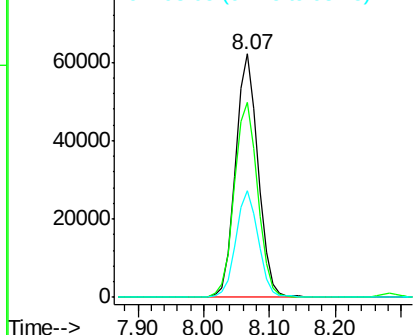
#39
Methvlcvclohexane
Concen: 56.94 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 149629
Ion Ratio Lower Upper
83 100
55 80.3 71.1 106.7
98 43.7 34.6 51.8

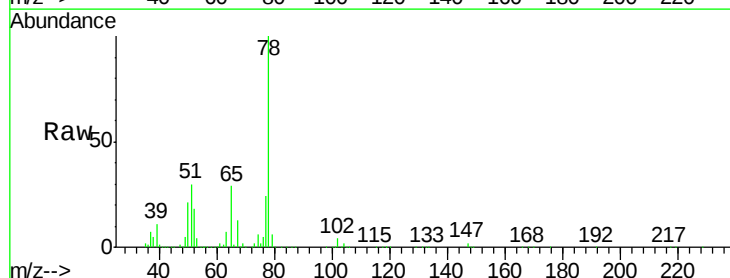


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

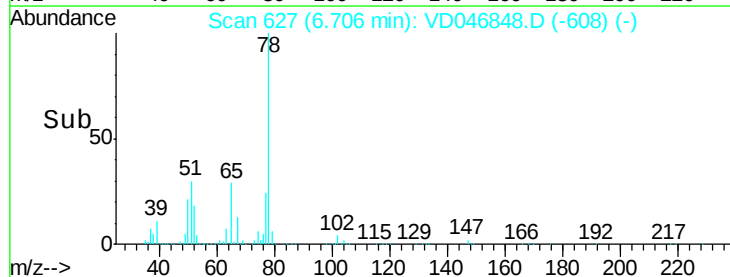
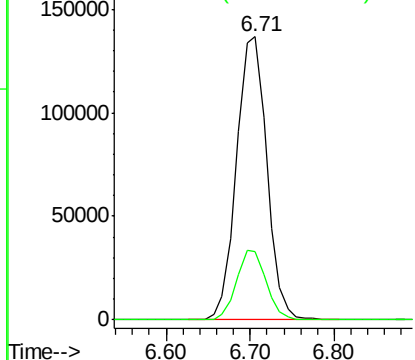


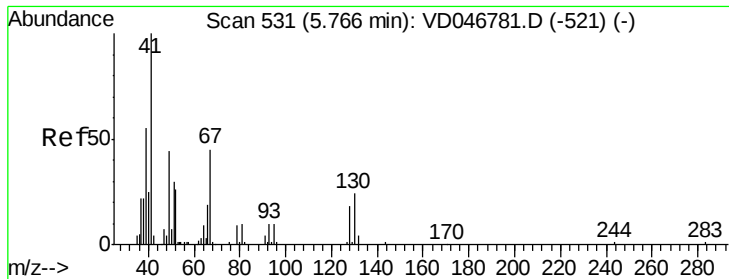
#40
Benzene
Concen: 52.03 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion: 78 Resp: 344442
Ion Ratio Lower Upper
78 100
77 24.3 19.9 29.9



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

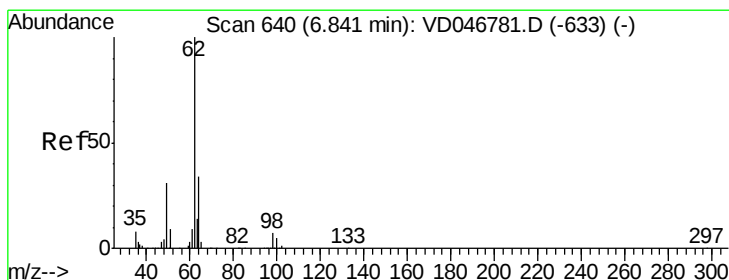
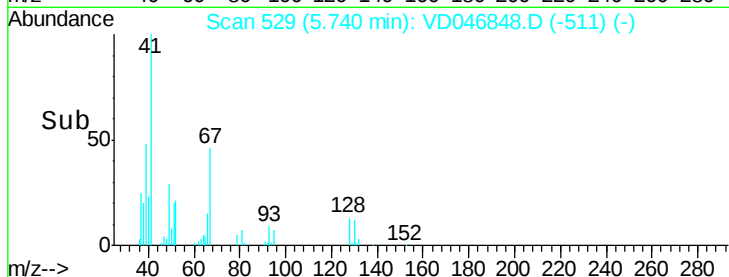
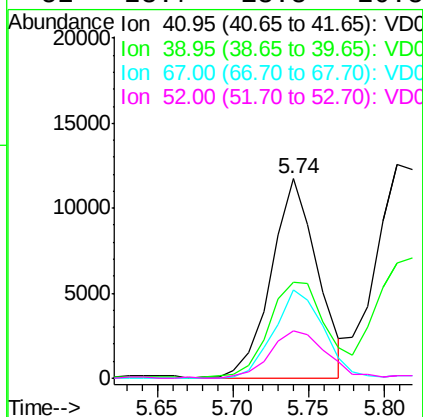
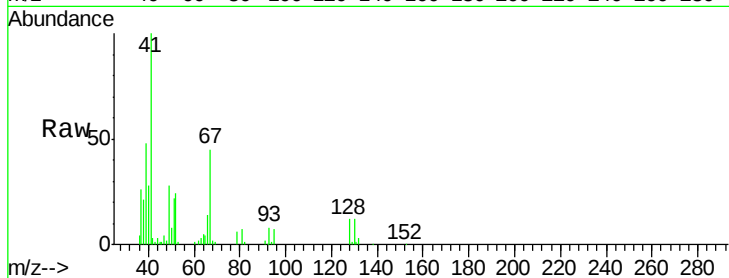




#41
Methacrylonitrile
Concen: 53.96 ug/l
RT: 5.74 min Scan# 529
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

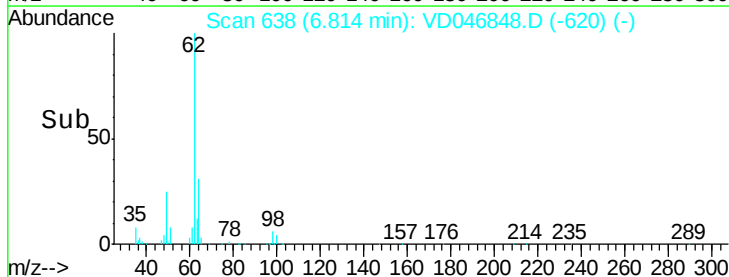
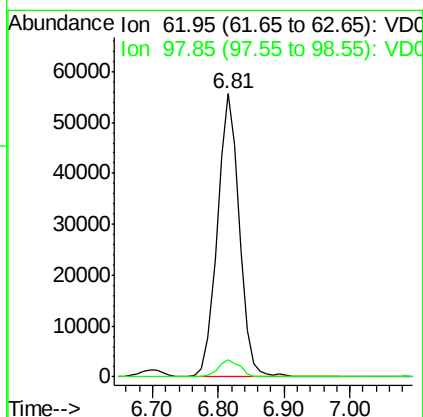
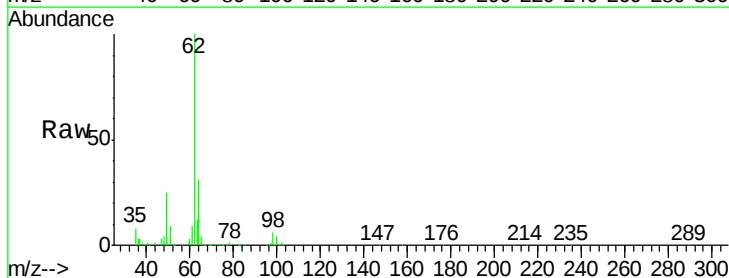
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

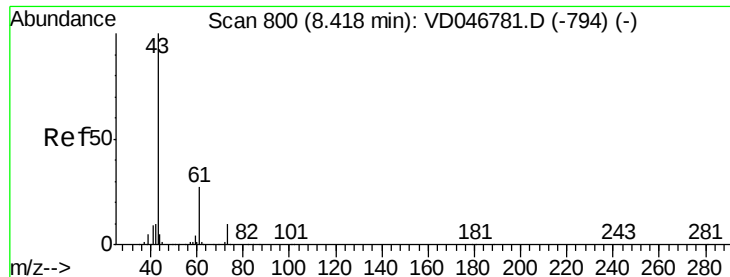
Tot Ion:	41	Resp:	25213
Ion	Ratio	Lower	Upper
41	100		
39	48.2	40.2	60.4
67	44.6	32.0	48.0
52	23.7	13.8	20.8#



#42
1,2-Dichloroethane
Concen: 62.41 ug/l
RT: 6.81 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion:	62	Resp:	128337
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	16.2



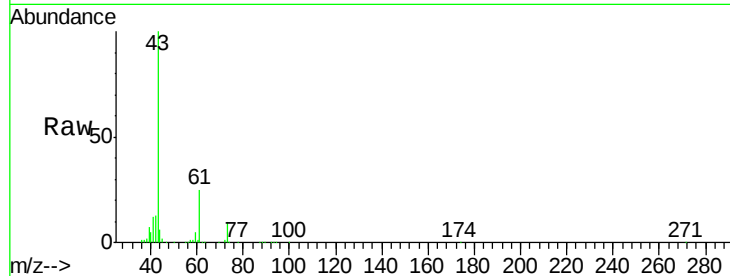


#43

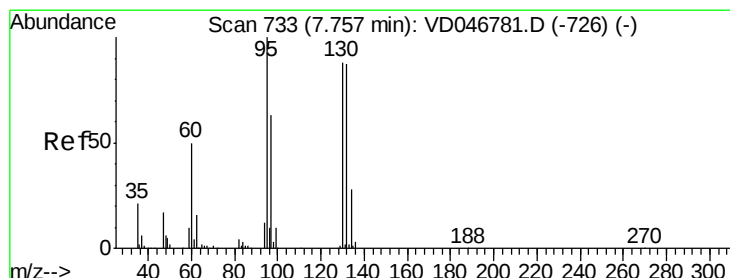
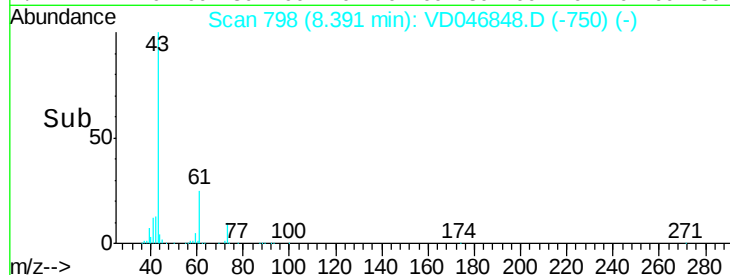
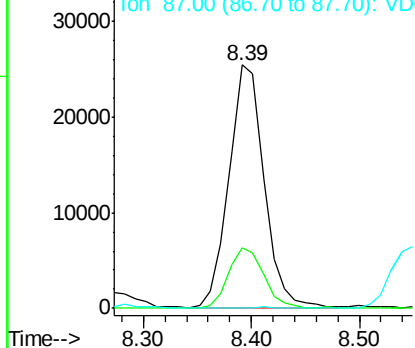
Isopropyl Acetate
 Concen: 52.44 ug/l
 RT: 8.39 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 57586
 Ion Ratio Lower Upper
 43 100
 61 25.0 19.5 29.3
 87 0.3 0.2 0.2#



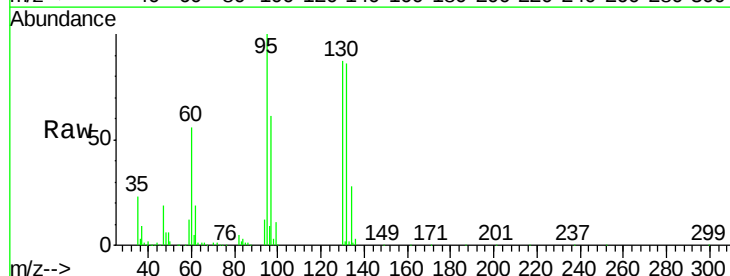
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



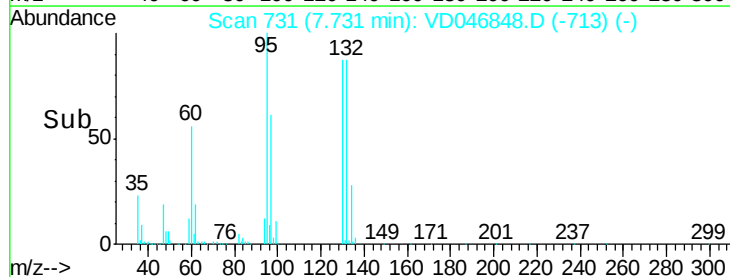
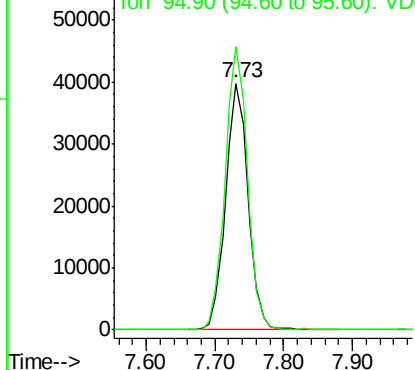
#44

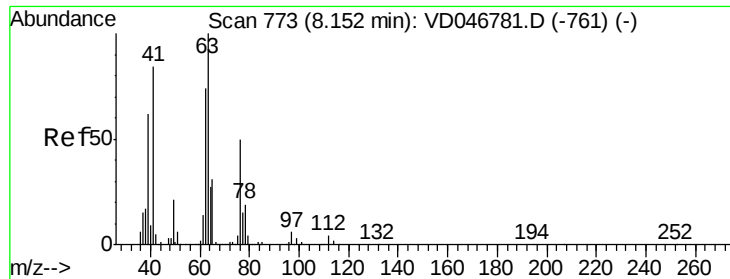
Trichloroethene
 Concen: 54.35 ug/l
 RT: 7.73 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion: 130 Resp: 90076
 Ion Ratio Lower Upper
 130 100
 95 114.7 0.0 229.4



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





#45

1,2-Dichloropropane

Concen: 52.09 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

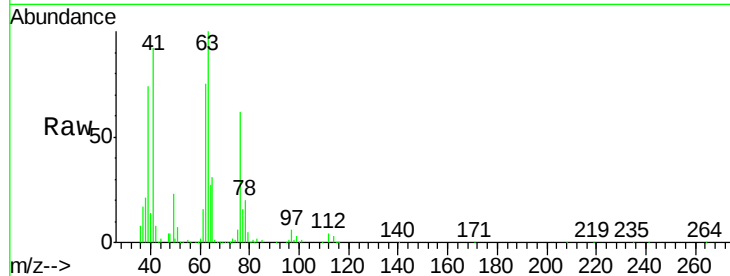
VSTDCCC050

Tot Ion: 63 Resp: 85445

Ion Ratio Lower Upper

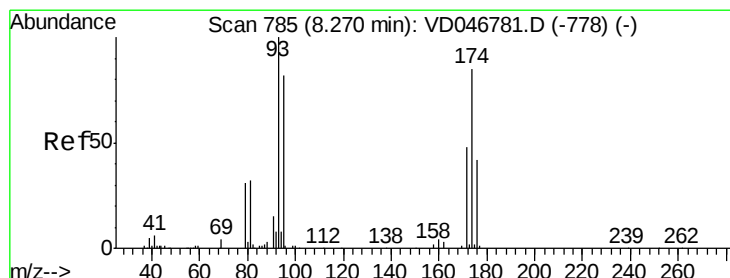
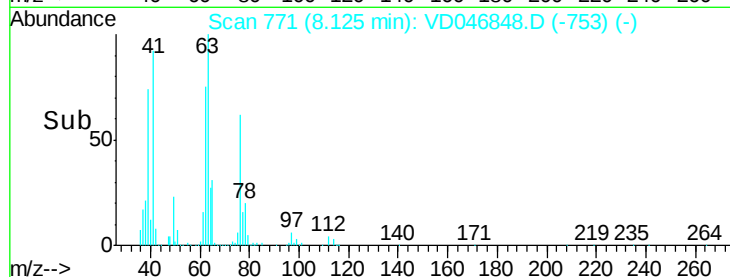
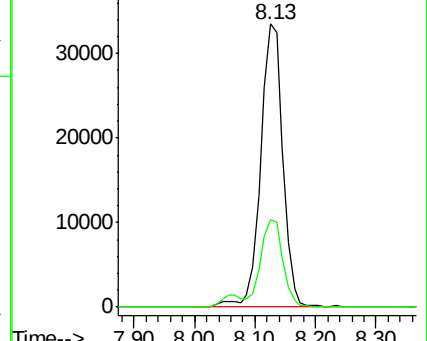
63 100

65 30.7 25.1 37.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 58.38 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

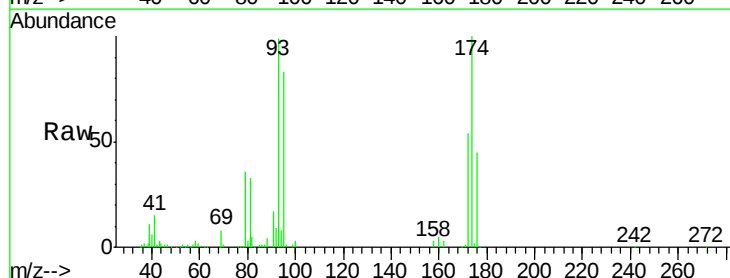
Tgt Ion: 93 Resp: 54372

Ion Ratio Lower Upper

93 100

95 83.6 70.2 105.2

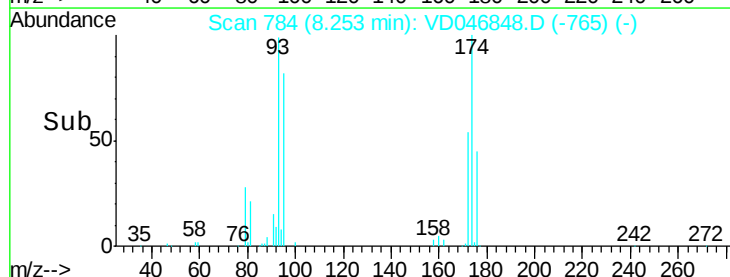
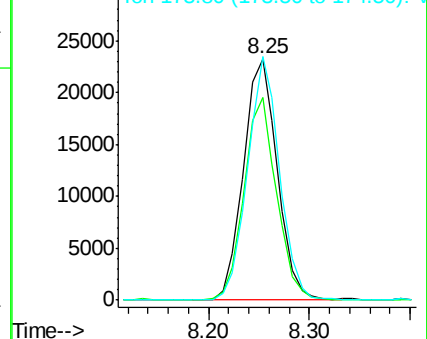
174 100.8 79.0 118.4

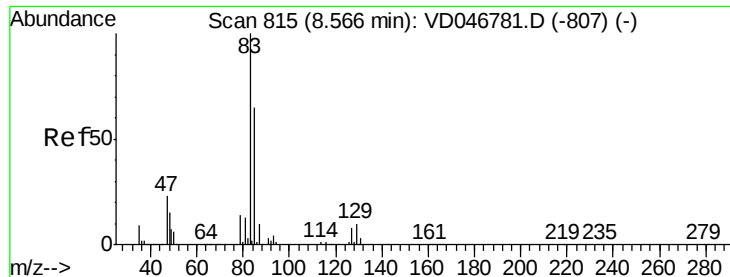


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 59.42 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

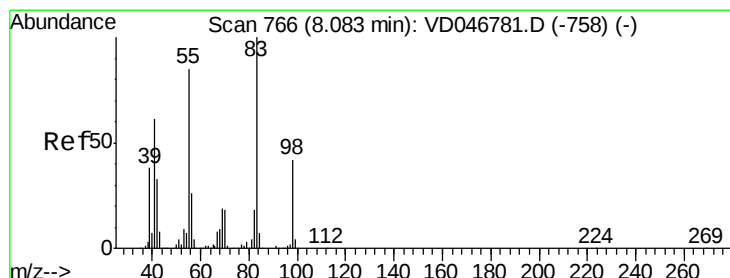
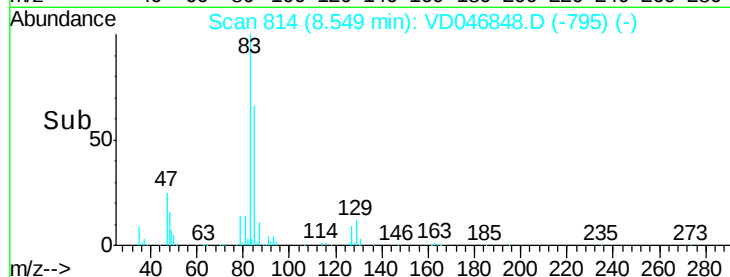
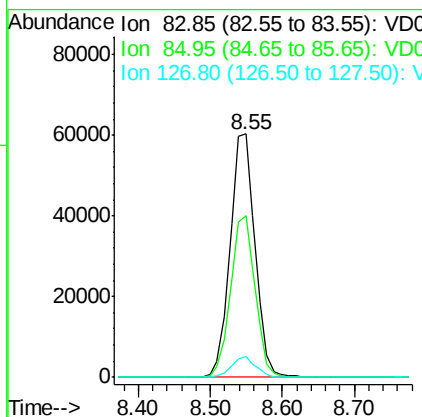
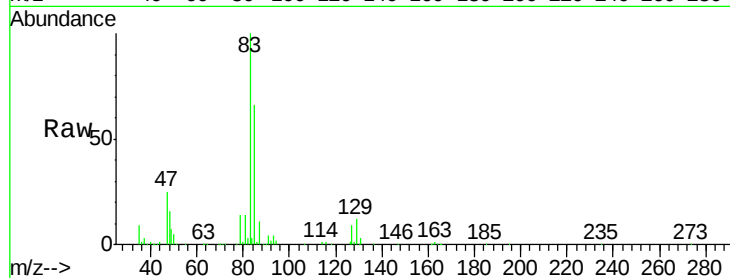
Tot Ion: 83 Resp: 145241

Ion Ratio Lower Upper

83 100

85 66.2 52.6 78.8

127 8.6 5.7 8.5#



#48

Methyl methacrylate

Concen: 55.13 ug/l

RT: 8.07 min Scan# 765

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

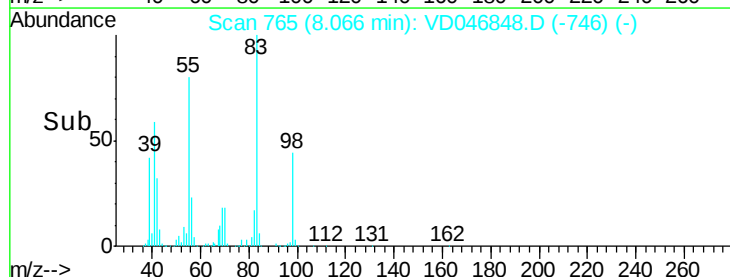
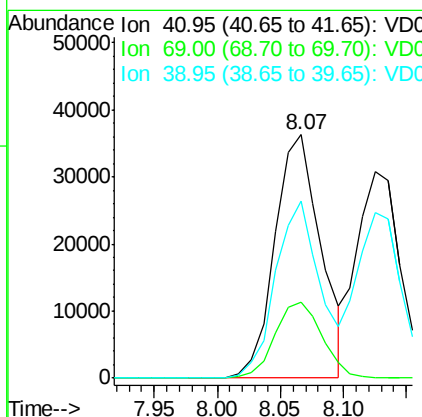
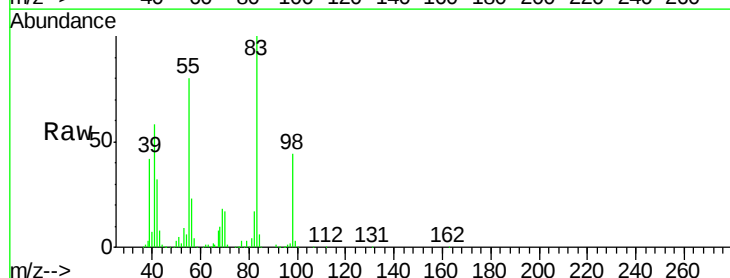
Tgt Ion: 41 Resp: 92564

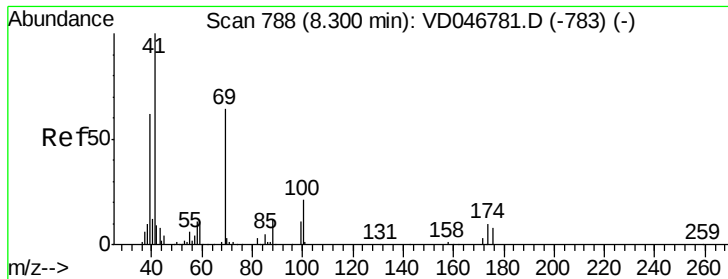
Ion Ratio Lower Upper

41 100

69 31.4 25.3 37.9

39 72.6 47.4 71.0#

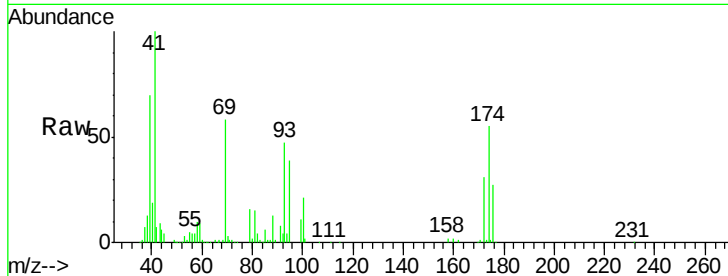




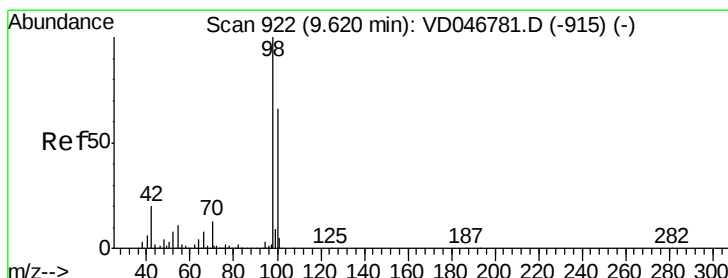
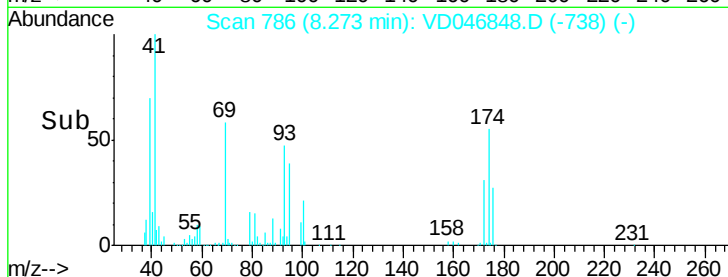
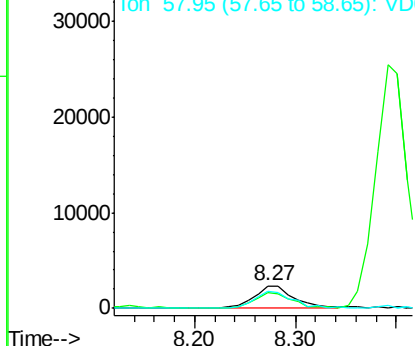
#49
1,4-Dioxane
Concen: 1021.68 ug/l
RT: 8.27 min Scan# 786
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 6345
Ion Ratio Lower Upper
88 100
43 69.3 50.0 75.0
58 75.6 48.3 72.5#

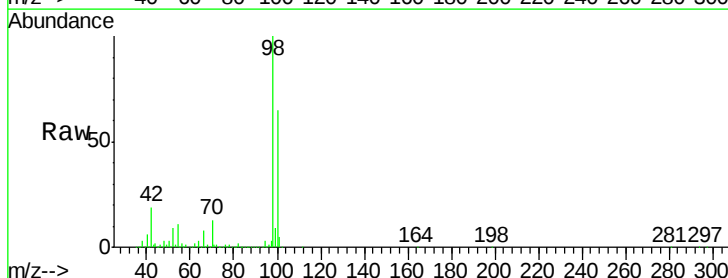


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

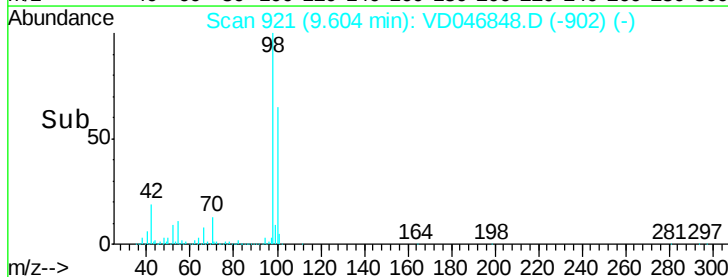
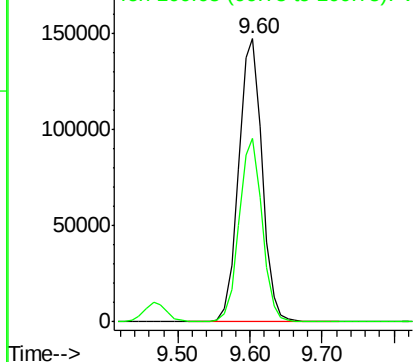


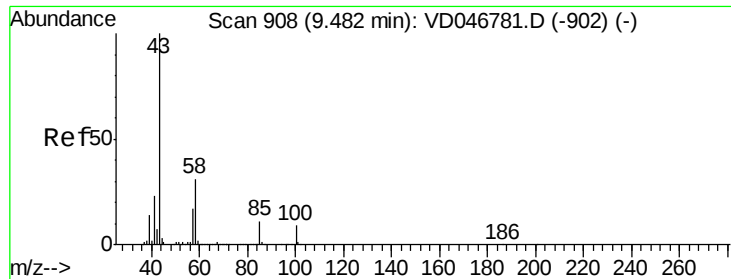
#50
Toluene-d8
Concen: 1021.68 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion: 98 Resp: 333985
Ion Ratio Lower Upper
98 100
100 64.8 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 292.44 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

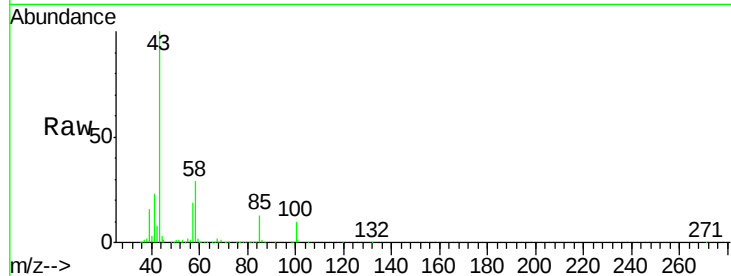
VSTDCCC050

Tot Ion: 43 Resp: 232034

Ion Ratio Lower Upper

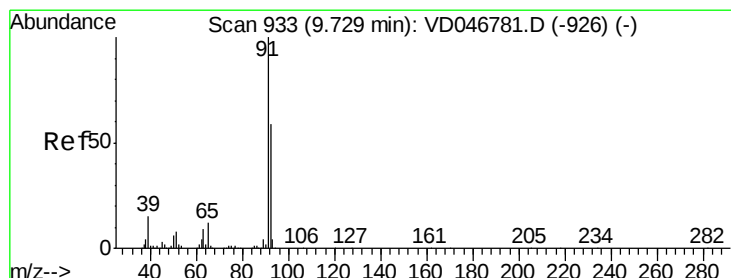
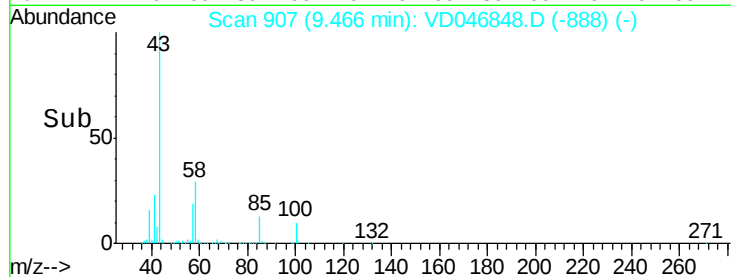
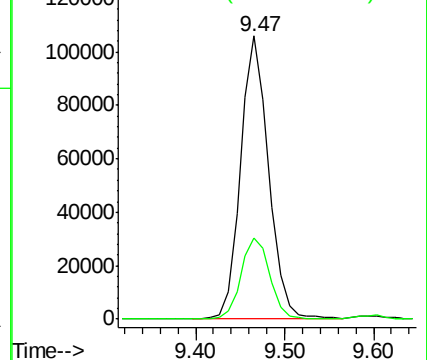
43 100

58 28.9 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: 57.53 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046848.D

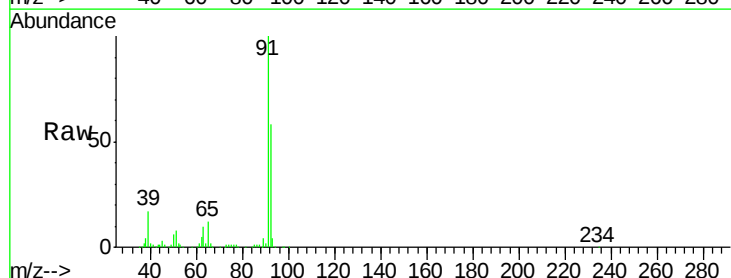
Acq: 23 Sep 2015 10:49

Tgt Ion: 92 Resp: 234930

Ion Ratio Lower Upper

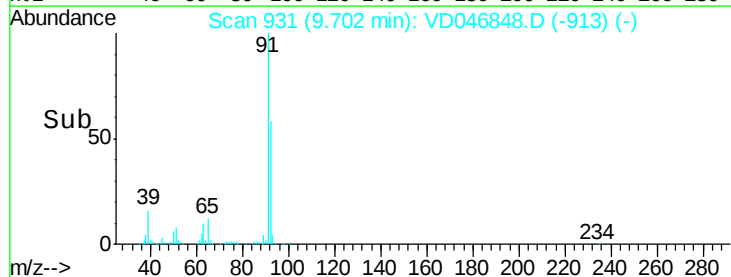
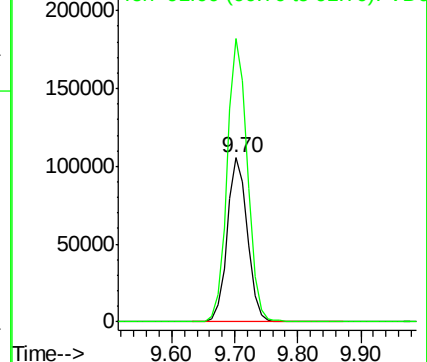
92 100

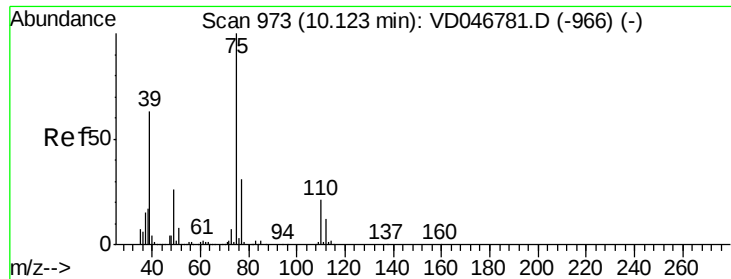
91 172.5 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

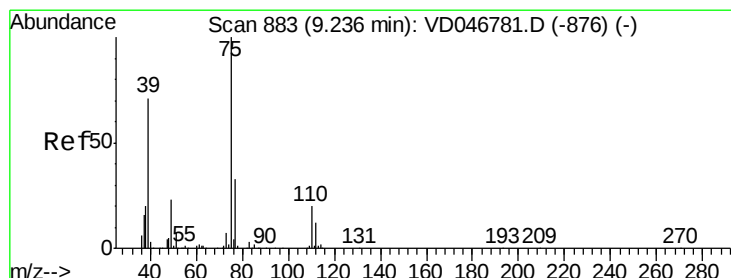
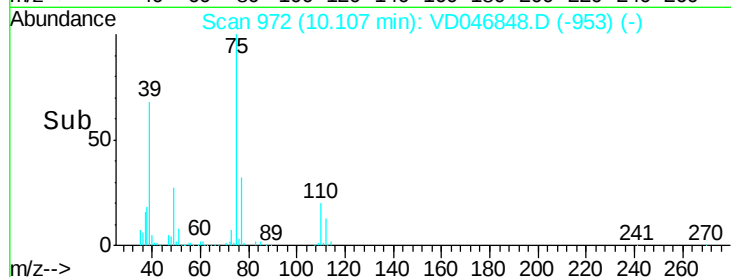
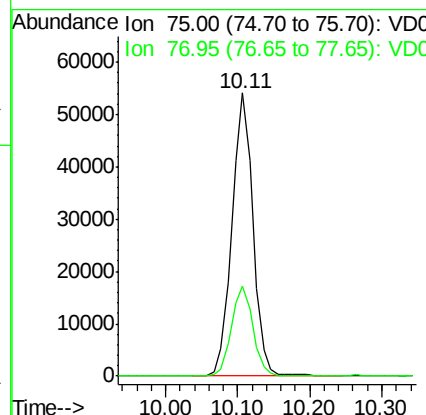
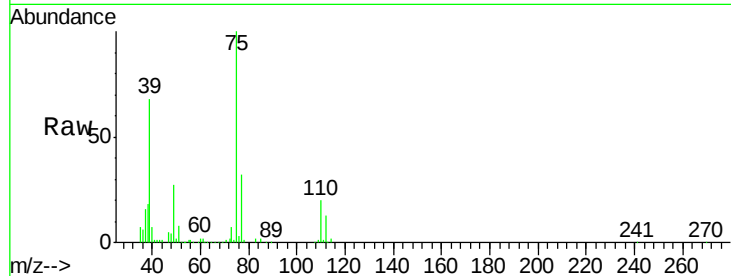




#53
 t-1,3-Dichloropropene
 Concen: 60.88 ug/l
 RT: 10.11 min Scan# 972
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

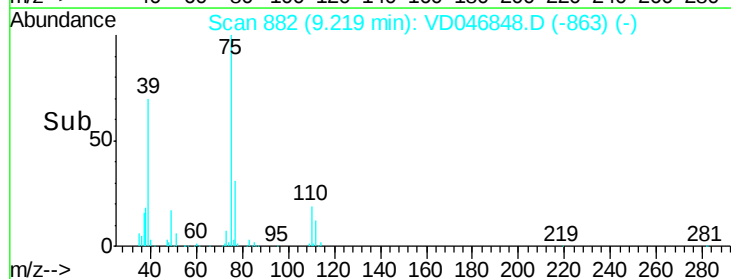
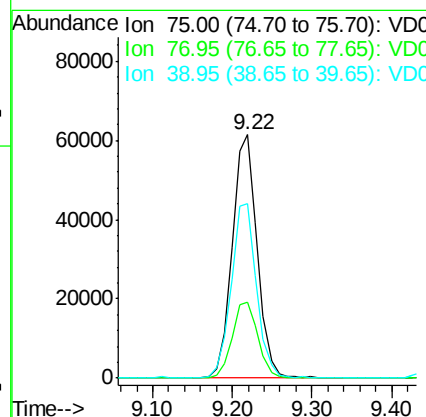
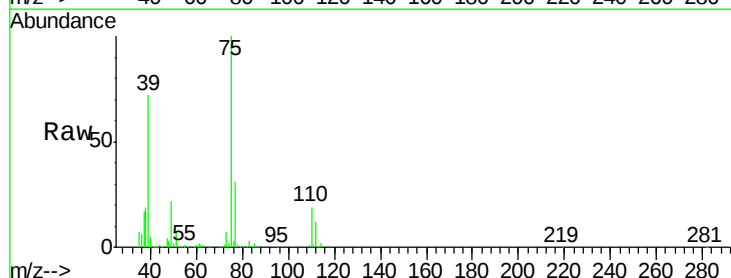
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

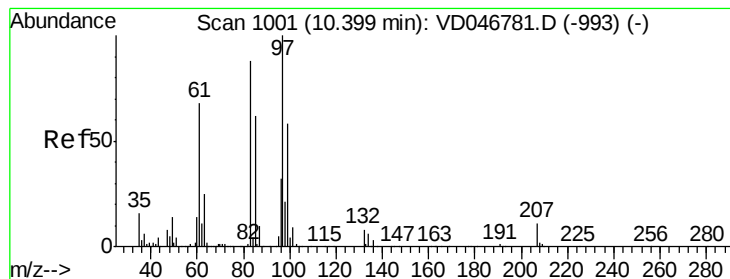
Tot Ion: 75 Resp: 109877
 Ion Ratio Lower Upper
 75 100
 77 32.1 27.6 41.4



#54
 cis-1,3-Dichloropropene
 Concen: 58.15 ug/l
 RT: 9.22 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion: 75 Resp: 135139
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.8 35.6
 39 71.5 53.0 79.6





#55

1,1,2-Trichloroethane

Concen: 58.23 ug/l

RT: 10.38 min Scan# 1000

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 61563

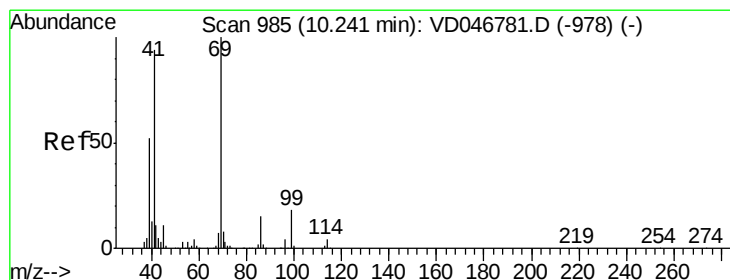
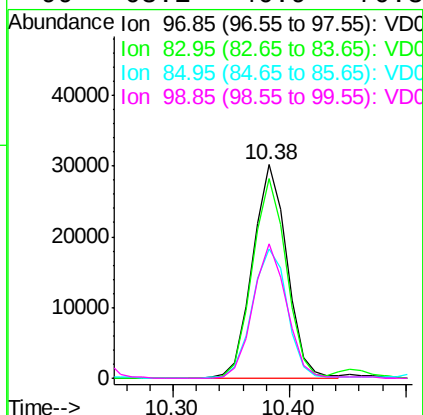
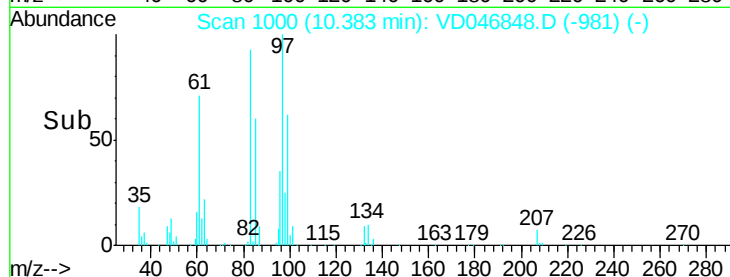
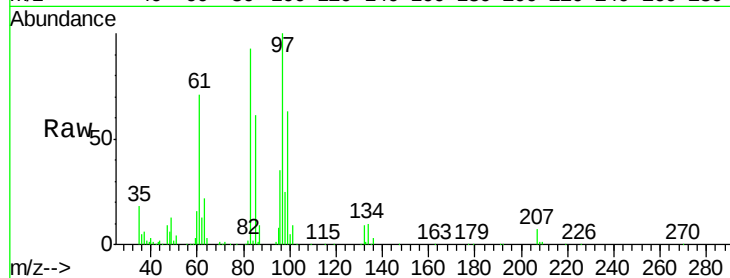
Ion	Ratio	Lower	Upper
97	100		
83	93.2	75.3	112.9
85	60.6	50.9	76.3
99	63.1	46.9	70.3

97 100

83 93.2 75.3 112.9

85 60.6 50.9 76.3

99 63.1 46.9 70.3



#56

Ethyl methacrylate

Concen: 52.83 ug/l

RT: 10.22 min Scan# 984

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

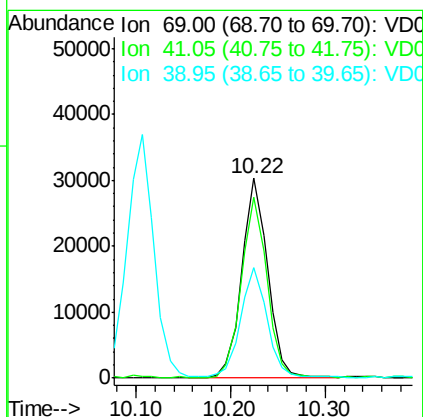
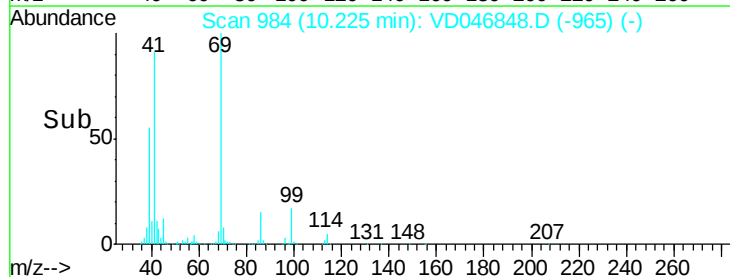
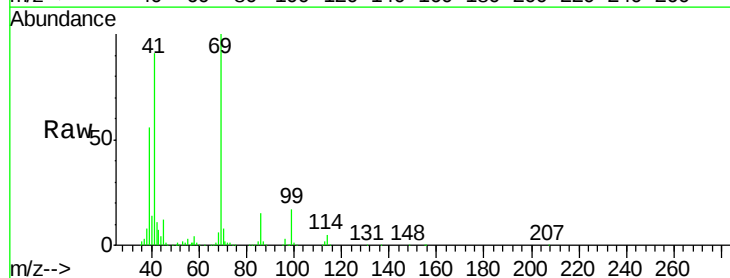
Tgt Ion: 69 Resp: 58201

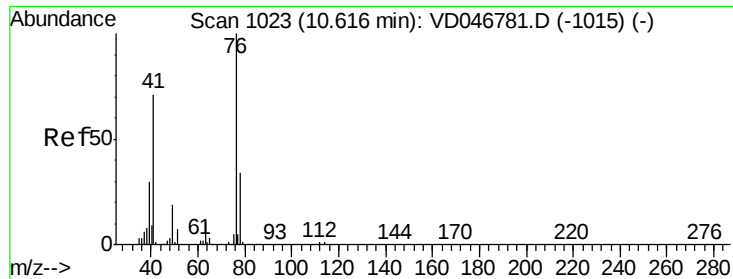
Ion	Ratio	Lower	Upper
69	100		
41	90.6	75.4	113.0
39	55.5	41.0	61.4

69 100

41 90.6 75.4 113.0

39 55.5 41.0 61.4

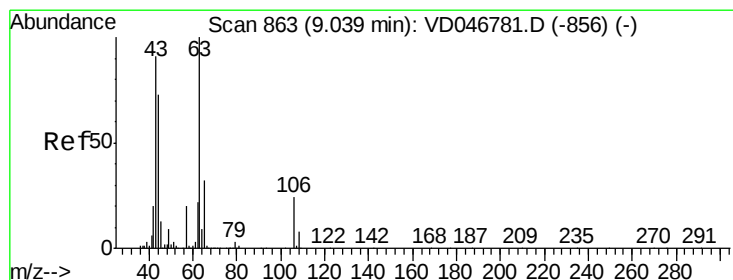
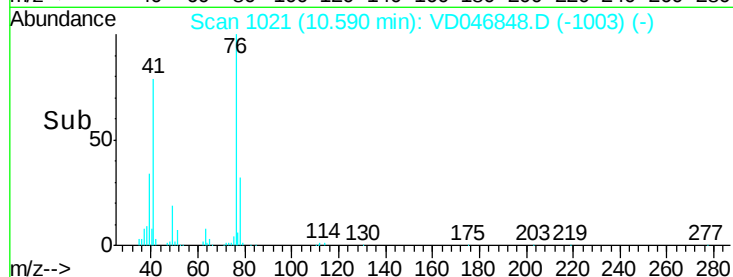
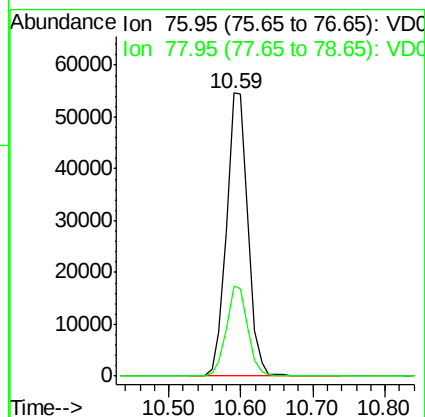
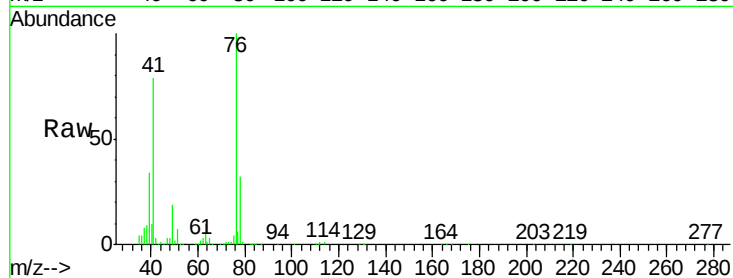




#57
 1,3-Dichloropropane
 Concen: 56.98 ug/l
 RT: 10.59 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

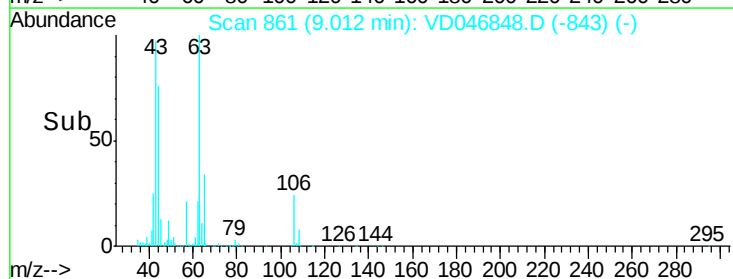
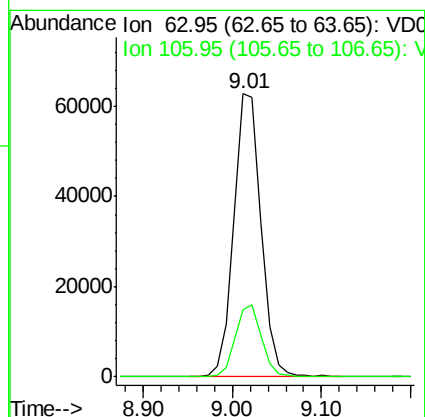
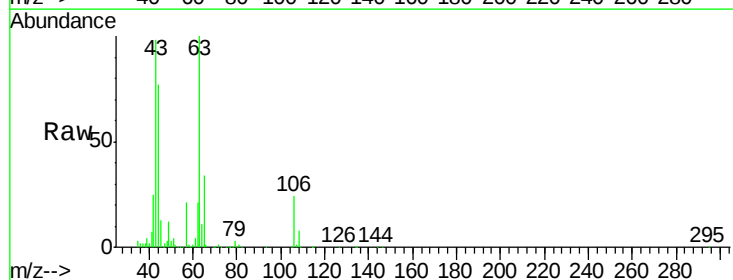
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

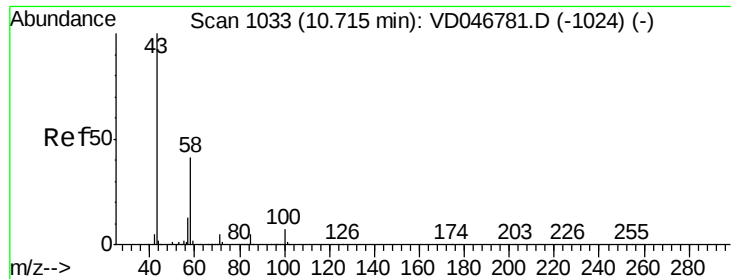
Tot Ion: 76 Resp: 112038
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.51 ug/l
 RT: 9.01 min Scan# 861
 Delta R.T. -0.03 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion: 63 Resp: 135423
 Ion Ratio Lower Upper
 63 100
 106 23.8 17.8 26.8

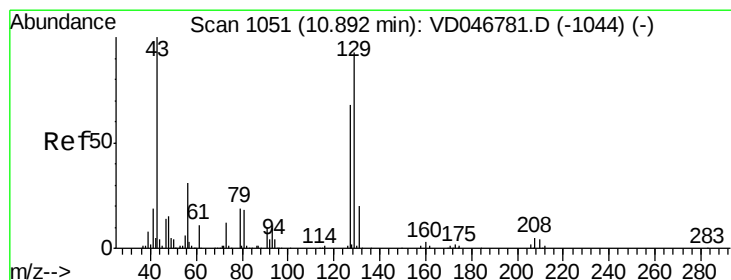
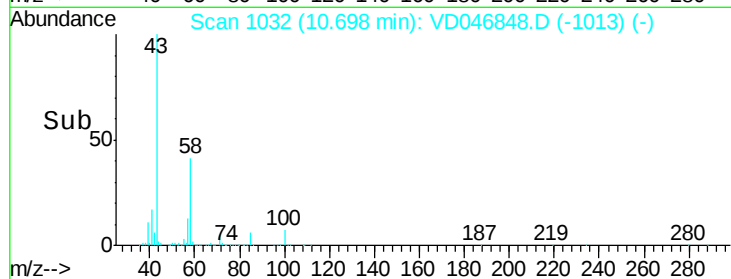
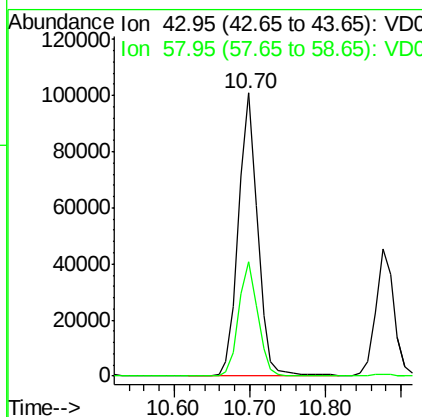
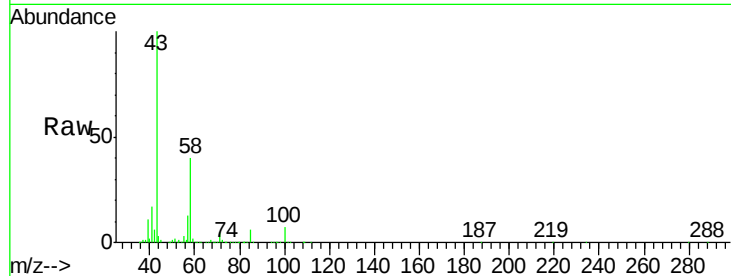




#59
2-Hexanone
Concen: 308.30 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

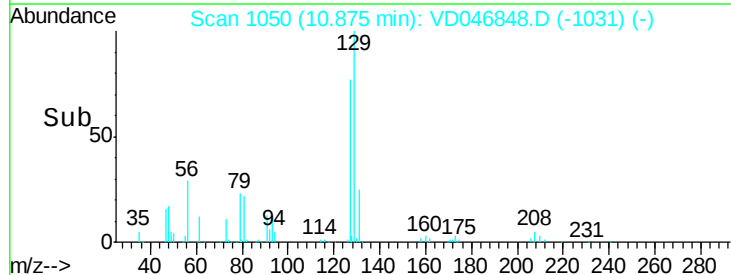
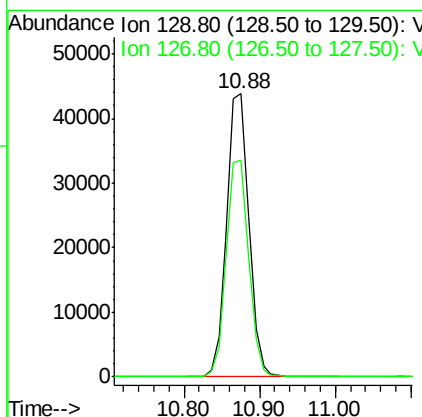
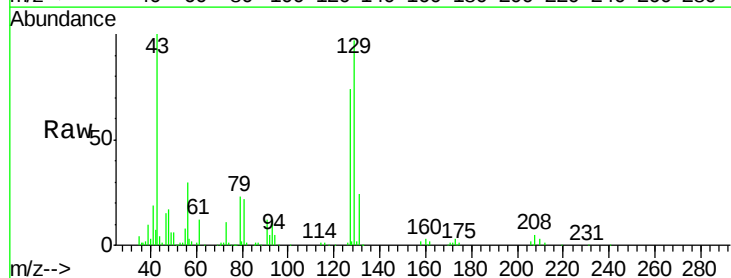
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

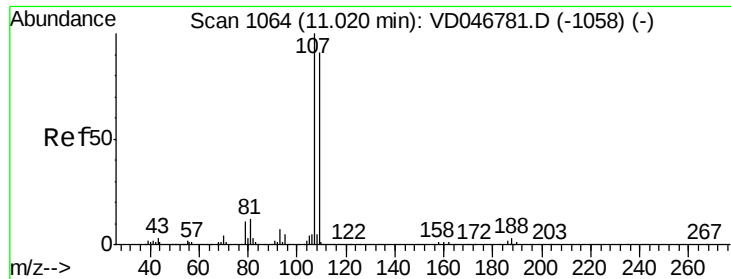
Tot Ion: 43 Resp: 176732
Ion Ratio Lower Upper
43 100
58 40.5 18.6 55.8



#60
Dibromochloromethane
Concen: 61.49 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion: 129 Resp: 89228
Ion Ratio Lower Upper
129 100
127 76.8 38.2 114.6

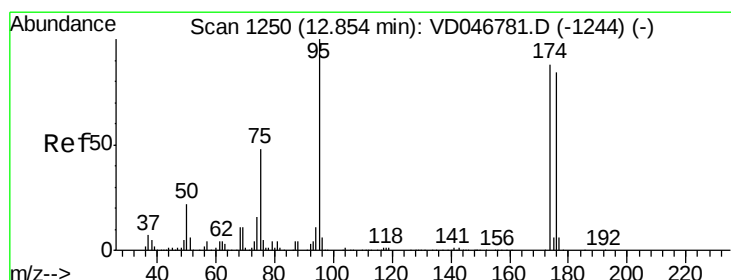
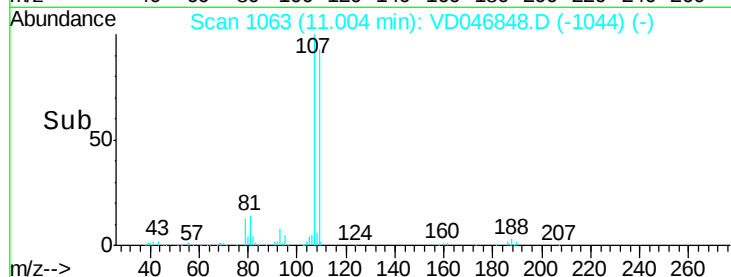
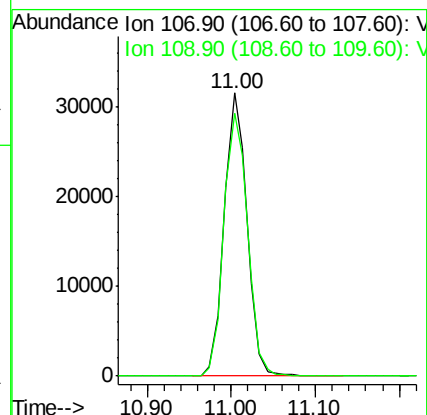
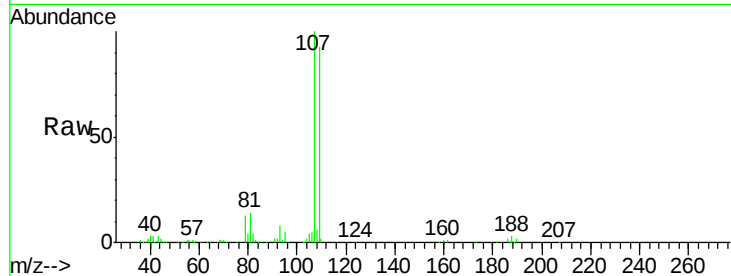




#61
 1,2-Dibromoethane
 Concen: 56.74 ug/l
 RT: 11.00 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

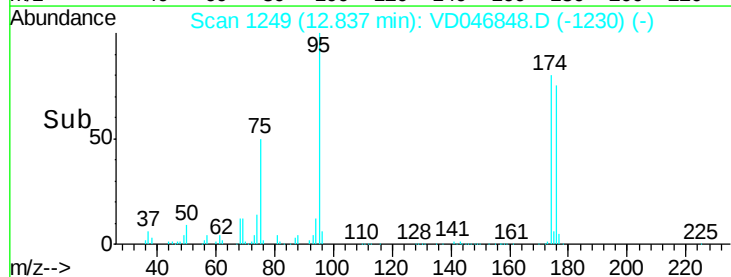
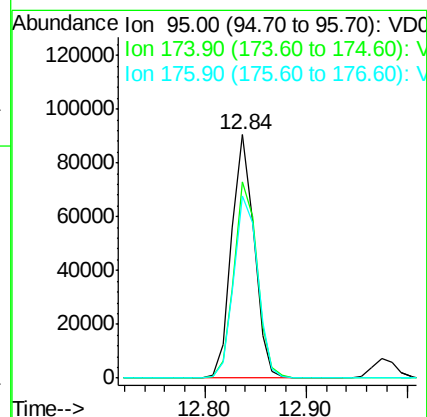
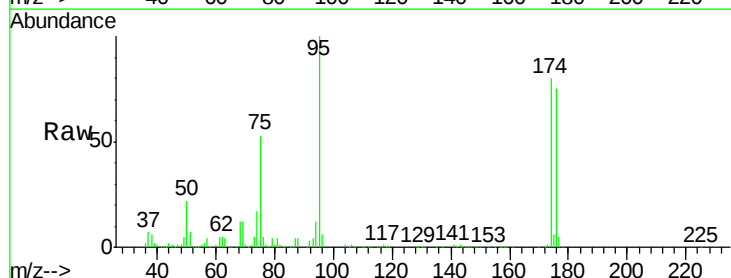
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

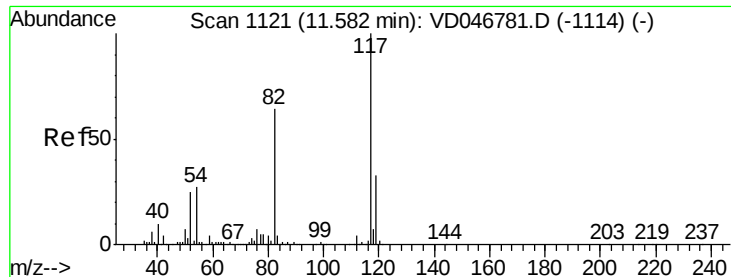
Tot Ion:107 Resp: 59228
 Ion Ratio Lower Upper
 107 100
 109 93.0 71.4 107.0



#62
 4-Bromofluorobenzene
 Concen: 56.74 ug/l
 RT: 12.84 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion: 95 Resp: 140952
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 149.8
 176 74.9 0.0 143.4

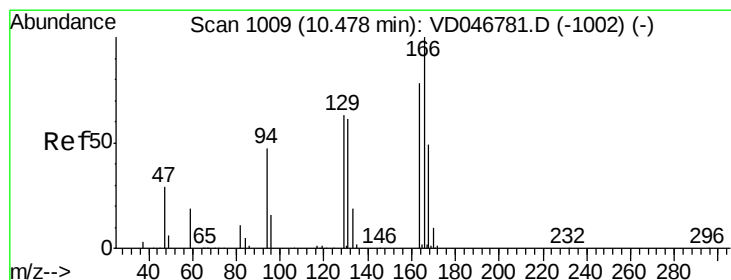
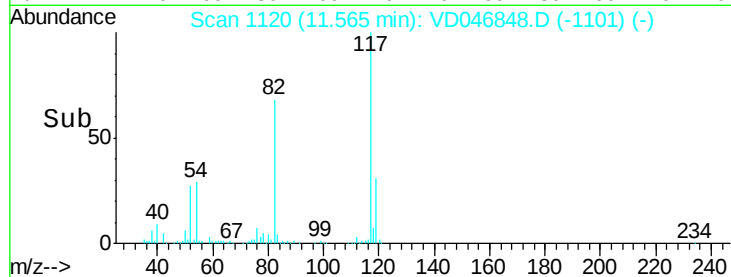
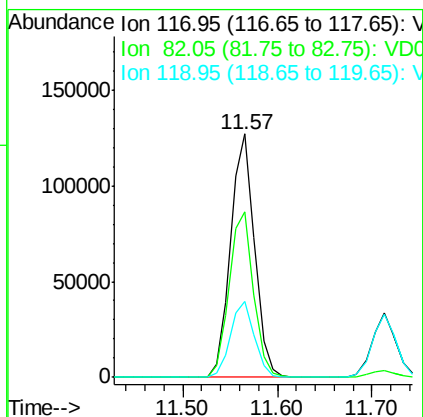
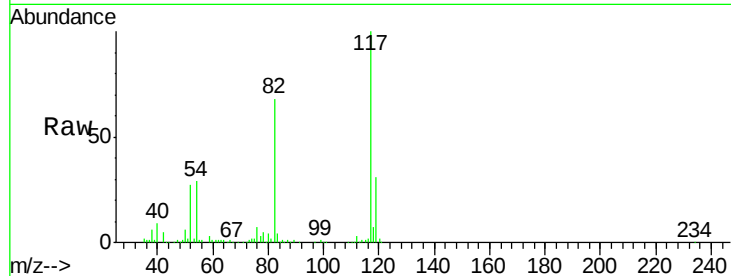




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

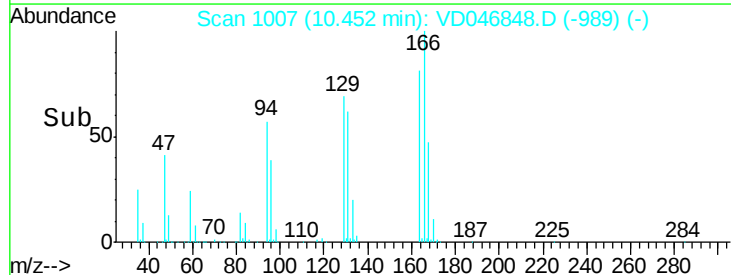
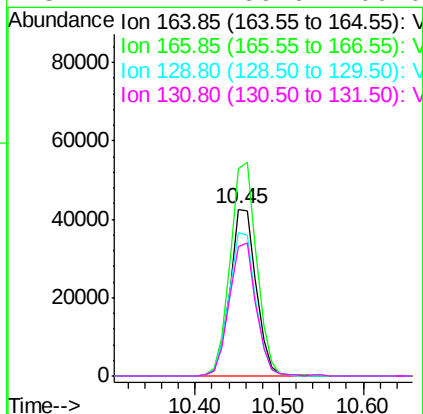
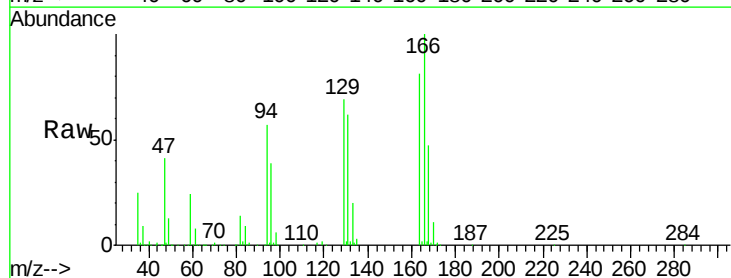
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

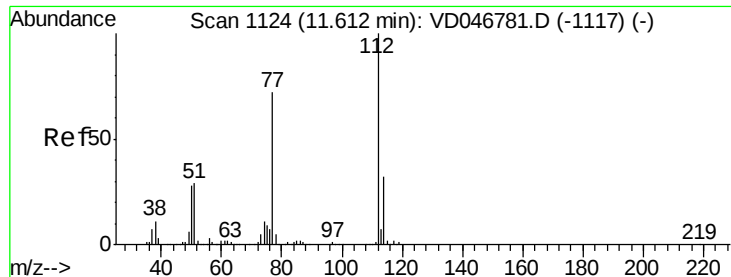
Tot Ion	Ratio	Lower	Upper
117	100		
82	67.9	50.6	75.8
119	31.3	25.8	38.8



#64
Tetrachloroethene
Concen: 51.10 ug/l
RT: 10.45 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	106.8	160.2
129	85.9	70.6	106.0
131	77.2	66.6	100.0





#65

Chlorobenzene

Concen: 51.38 ug/l

RT: 11.59 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

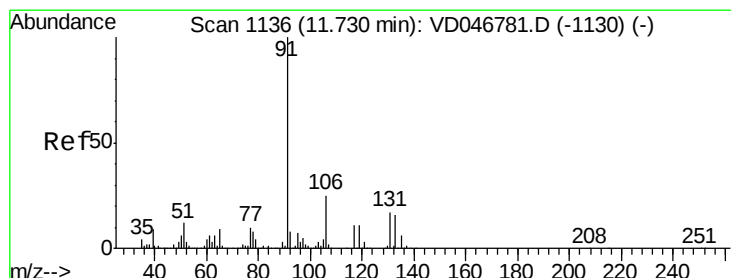
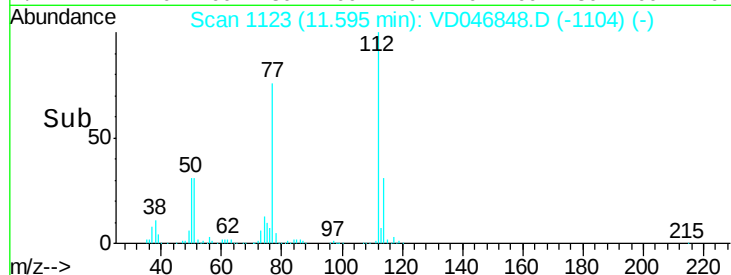
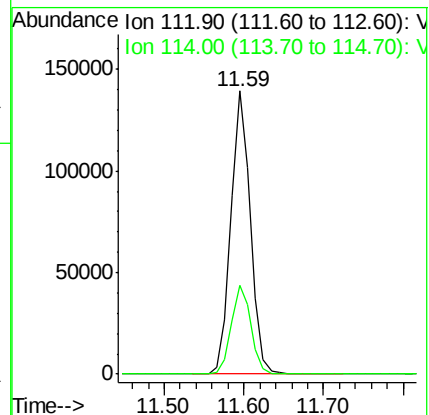
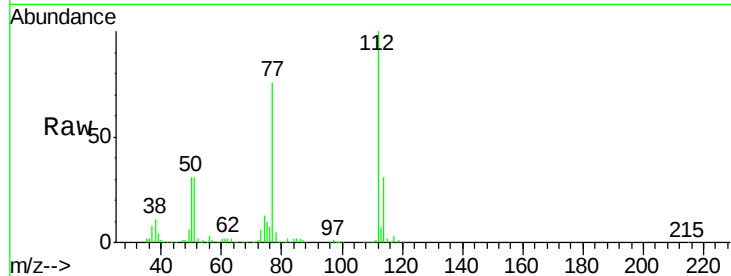
VSTDCCC050

Tot Ion:112 Resp: 241724

Ion Ratio Lower Upper

112 100

114 31.4 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 55.31 ug/l

RT: 11.71 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

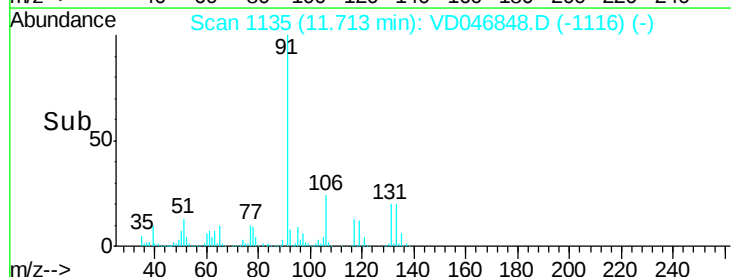
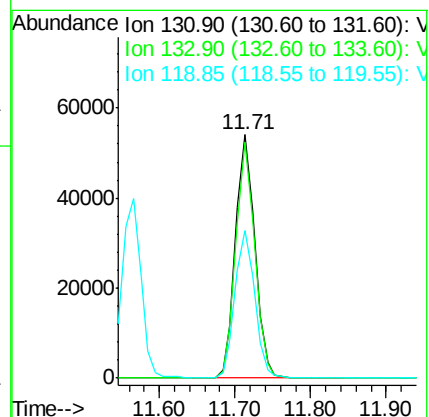
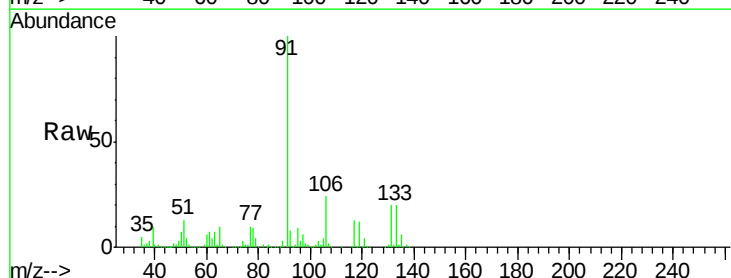
Tgt Ion:131 Resp: 95558

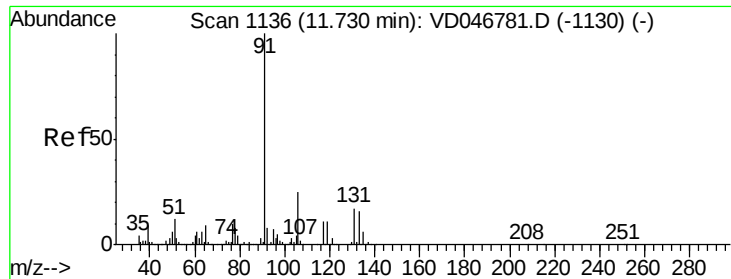
Ion Ratio Lower Upper

131 100

133 96.8 48.4 145.0

119 60.6 31.5 94.5





#67

Ethyl Benzene

Concen: 55.26 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

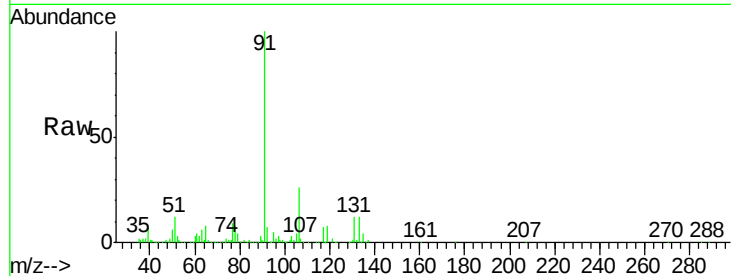
VSTDCCC050

Tot Ion: 91 Resp: 522278

Ion Ratio Lower Upper

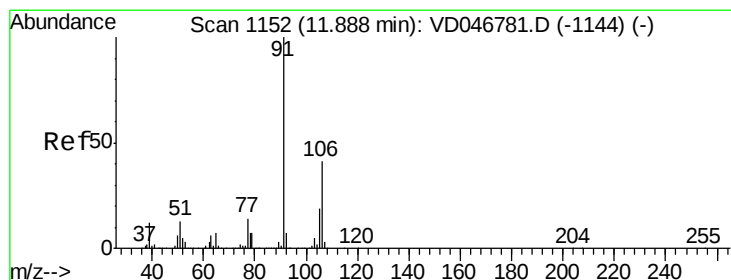
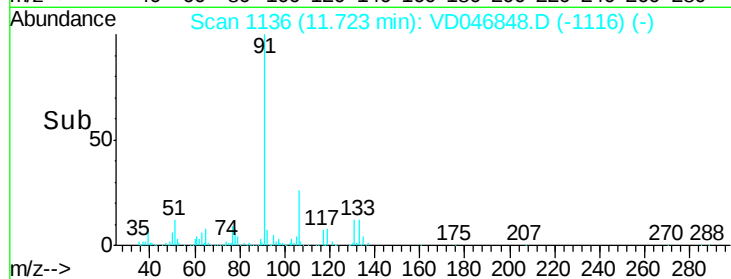
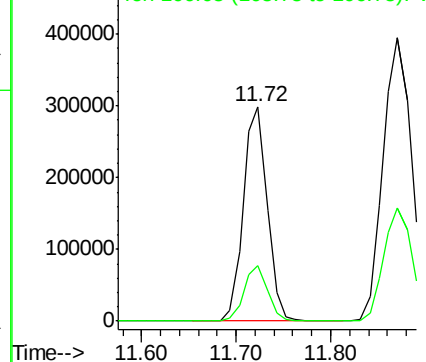
91 100

106 25.8 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 110.47 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046848.D

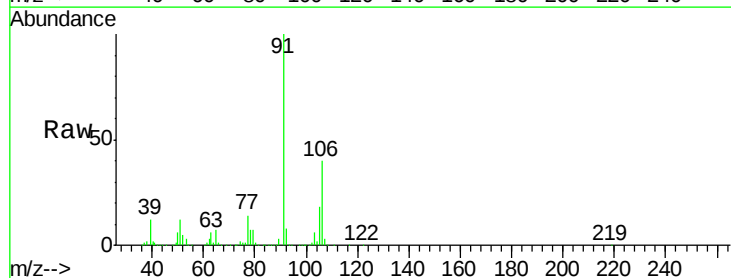
Acq: 23 Sep 2015 10:49

Tgt Ion: 106 Resp: 329319

Ion Ratio Lower Upper

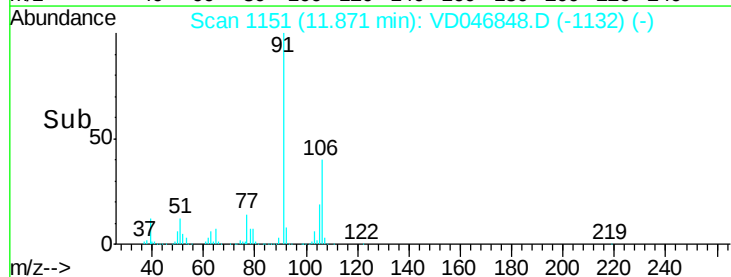
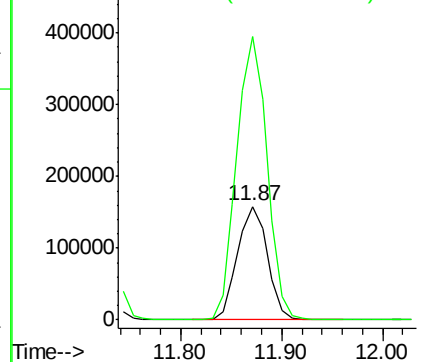
106 100

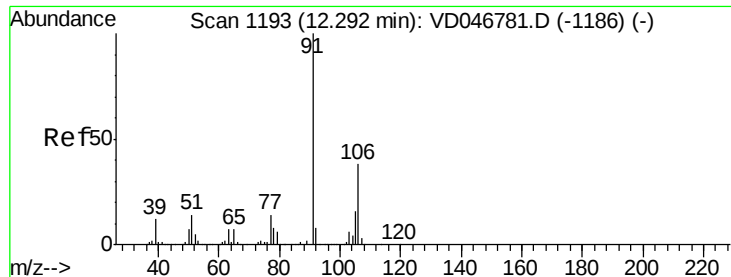
91 249.2 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

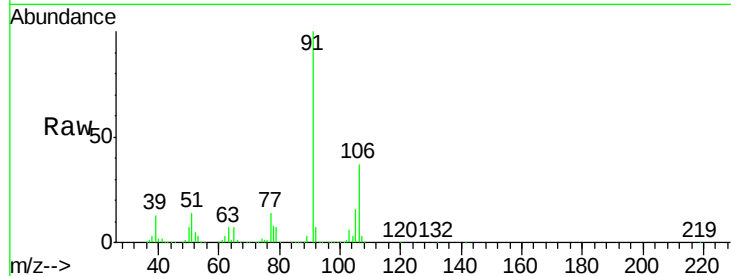




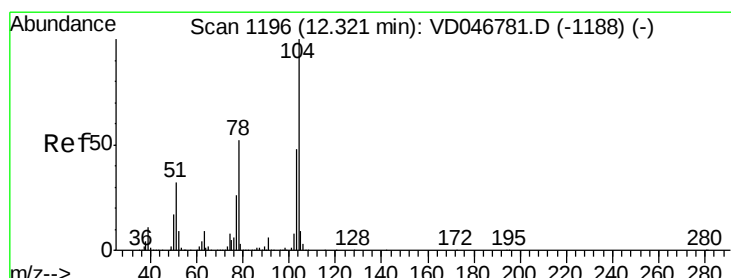
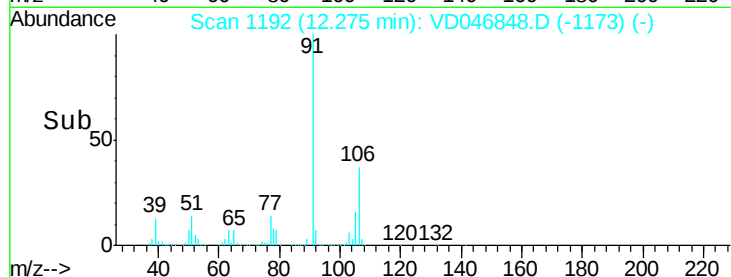
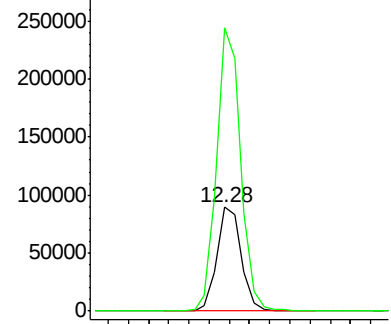
#69
o-Xylene
Concen: 56.06 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 150432
Ion Ratio Lower Upper
106 100
91 272.2 124.8 374.5

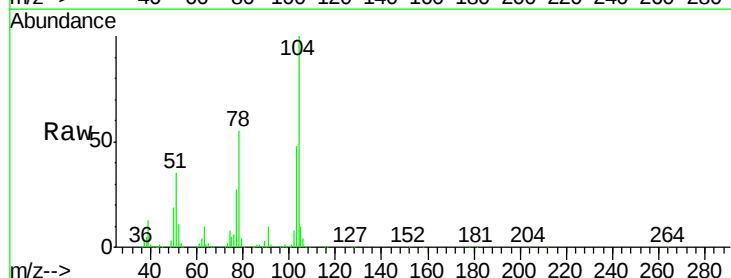


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

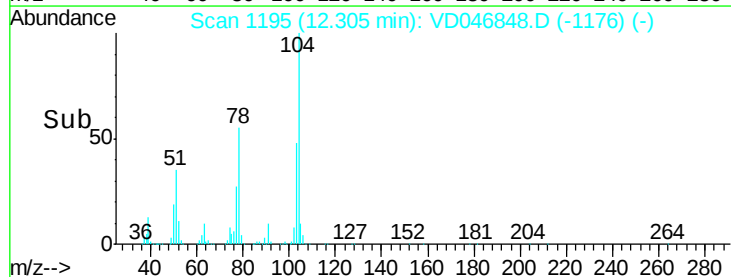
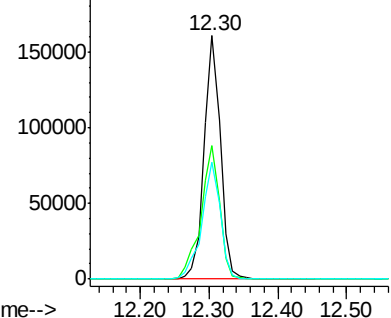


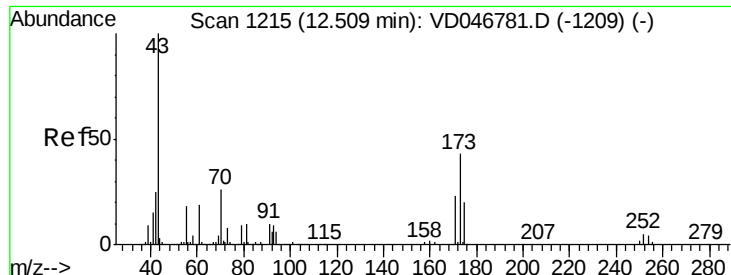
#70
Styrene
Concen: 56.77 ug/l
RT: 12.30 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion:104 Resp: 264126
Ion Ratio Lower Upper
104 100
78 54.7 44.5 66.7
103 48.2 40.3 60.5



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

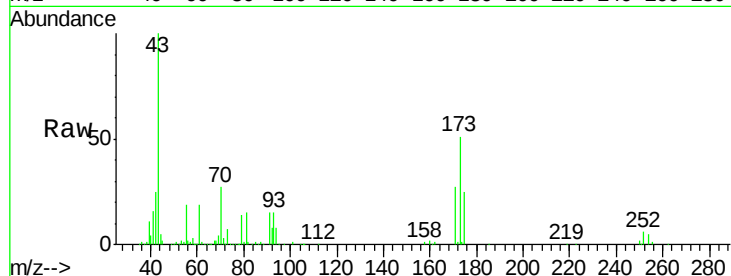




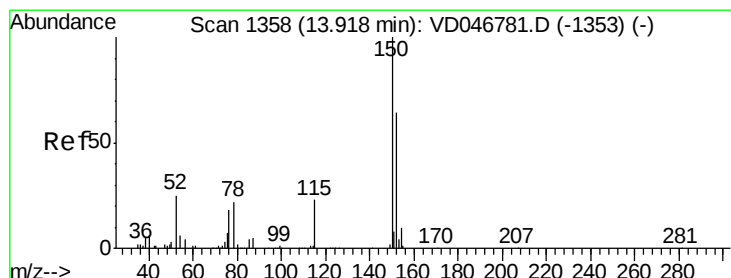
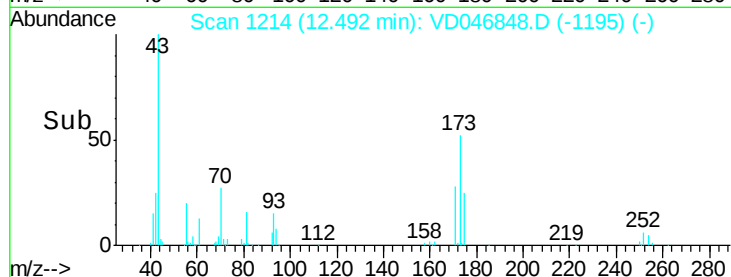
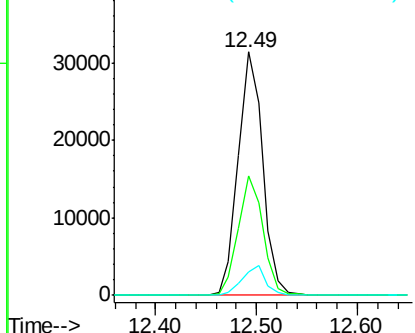
#71
Bromoform
Concen: 57.80 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 53183
Ion Ratio Lower Upper
173 100
175 49.1 23.1 69.3
254 9.7 8.7 13.1

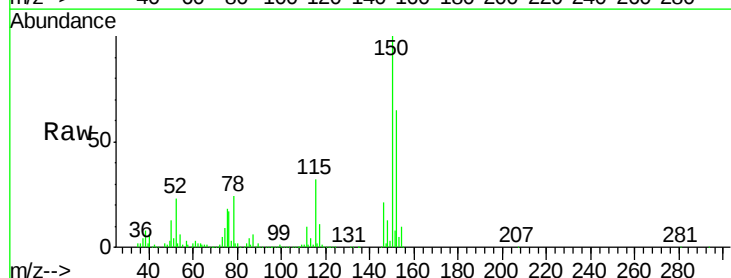


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

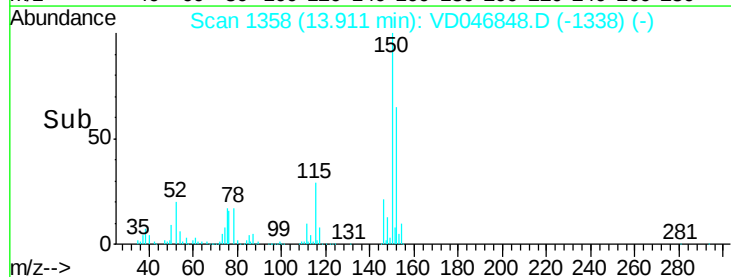
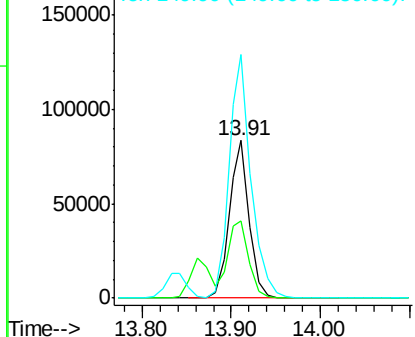


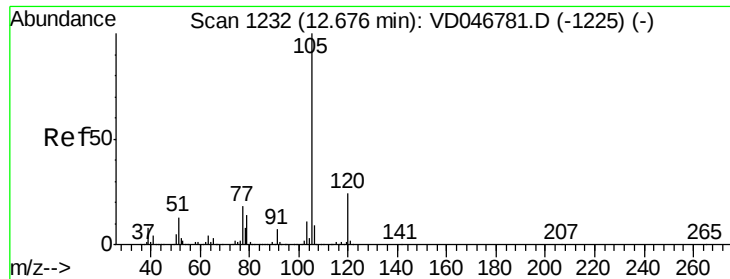
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion:152 Resp: 129594
Ion Ratio Lower Upper
152 100
115 49.3 26.2 78.6
150 154.8 0.0 311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.54 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

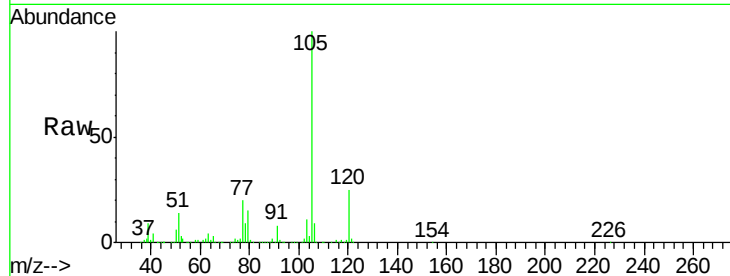
VSTDCCC050

Tot Ion:105 Resp: 470872

Ion Ratio Lower Upper

105 100

120 24.7 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.66

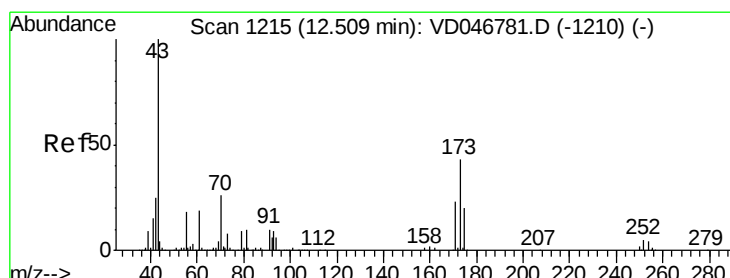
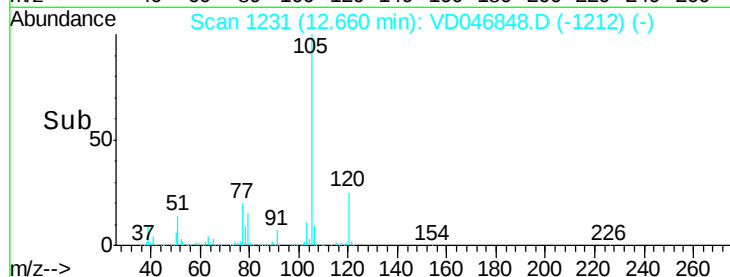
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 43.77 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion: 43 Resp: 99079

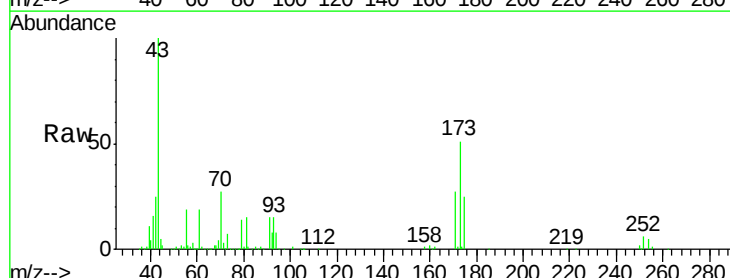
Ion Ratio Lower Upper

43 100

70 27.2 22.1 33.1

55 19.5 14.5 21.7

61 18.6 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

12.49

80000

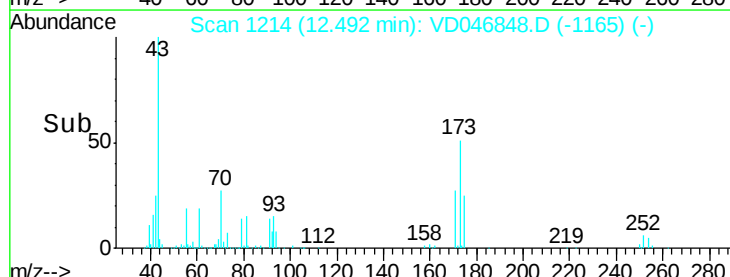
60000

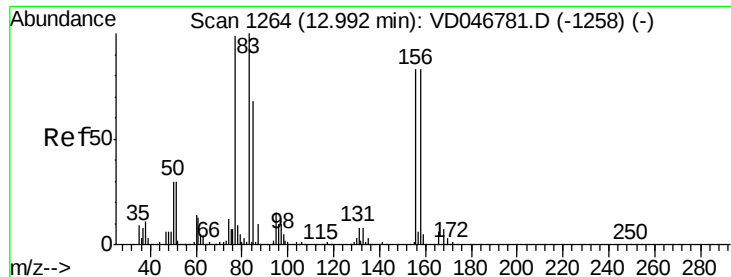
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.53 ug/l

RT: 12.97 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

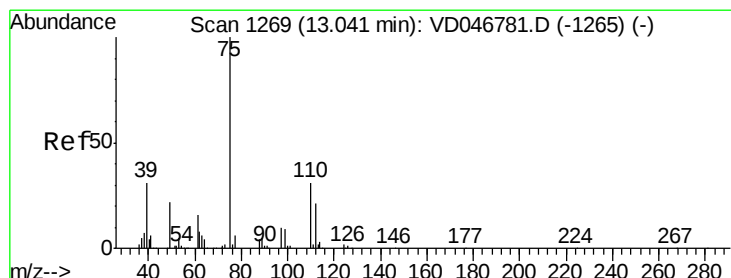
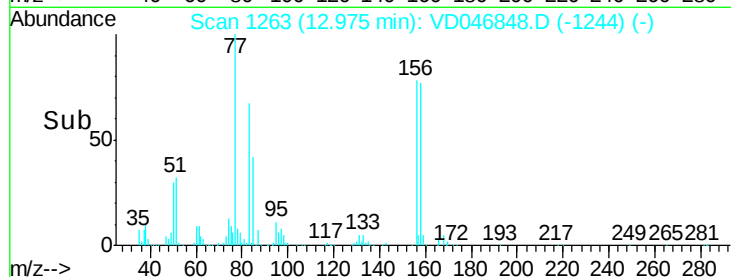
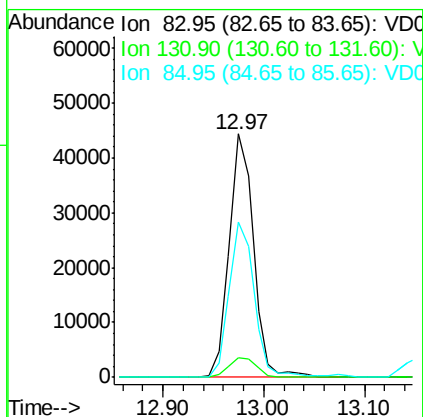
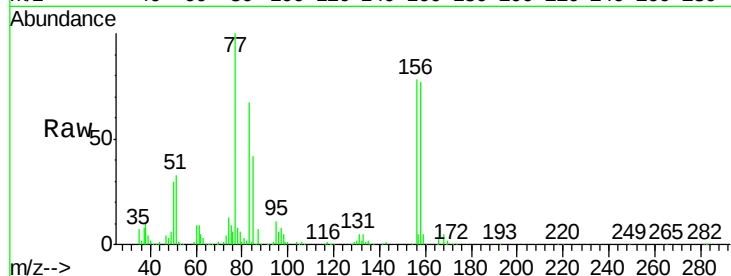
Tot Ion: 83 Resp: 74492

Ion Ratio Lower Upper

83 100

131 8.0 3.9 11.7

85 63.8 30.5 91.5



#76

1,2,3-Trichloropropane

Concen: 51.25 ug/l

RT: 13.02 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VD046848.D

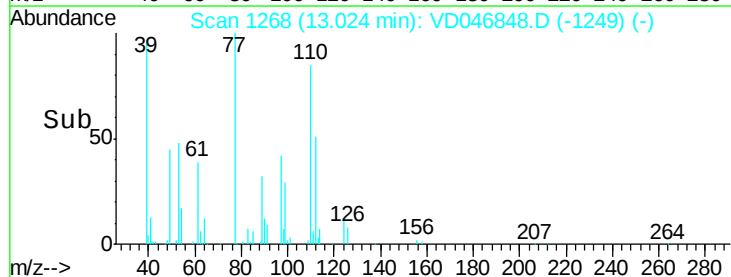
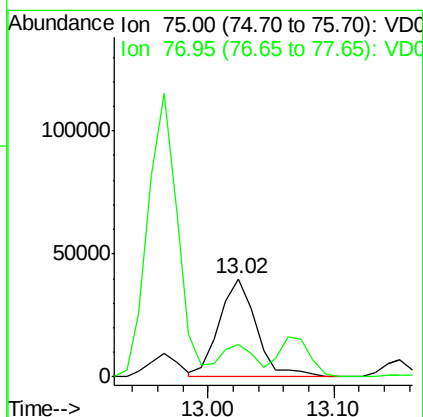
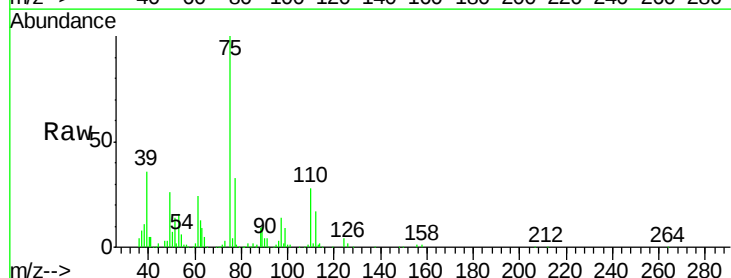
Acq: 23 Sep 2015 10:49

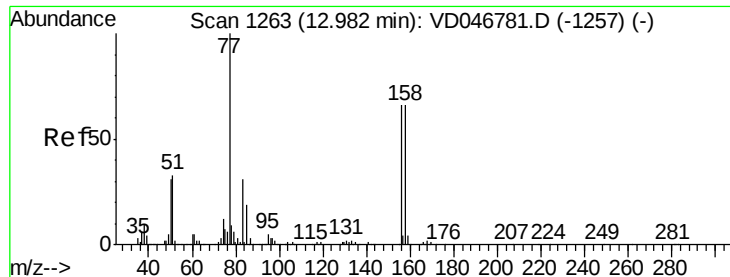
Tgt Ion: 75 Resp: 80835

Ion Ratio Lower Upper

75 100

77 33.3 16.0 48.0





#77

Bromobenzene

Concen: 49.37 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

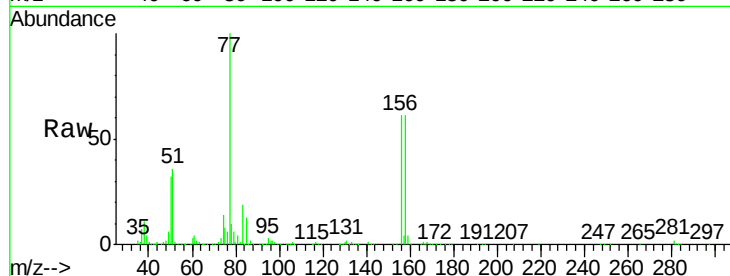
Tot Ion:156 Resp: 113421

Ion Ratio Lower Upper

156 100

77 163.6 70.3 210.8

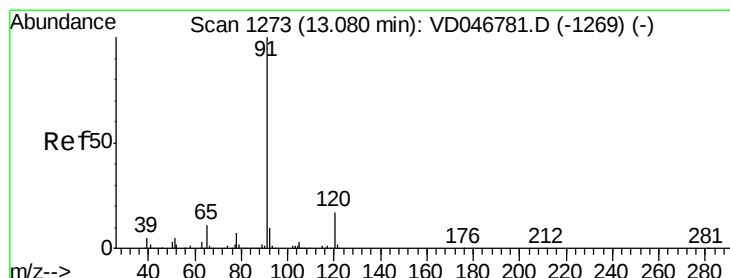
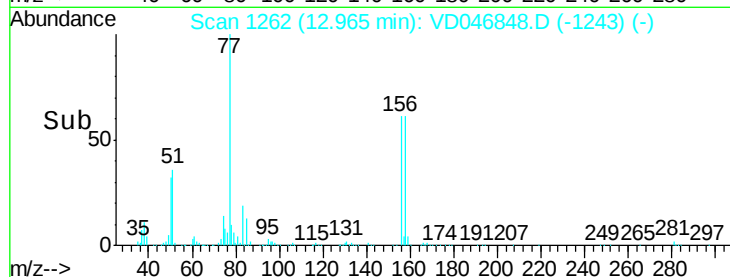
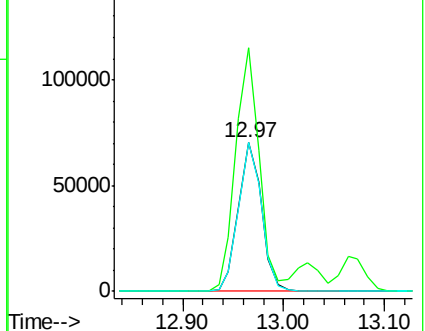
158 100.1 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.59 ug/l

RT: 13.07 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD046848.D

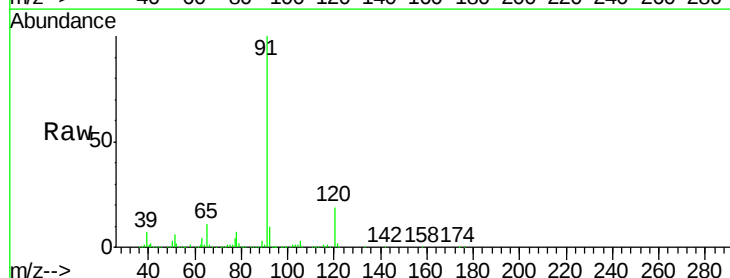
Acq: 23 Sep 2015 10:49

Tgt Ion: 91 Resp: 678419

Ion Ratio Lower Upper

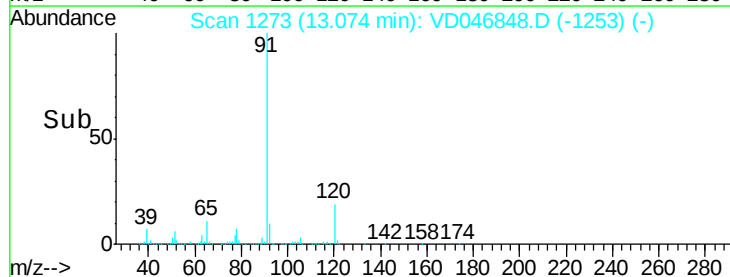
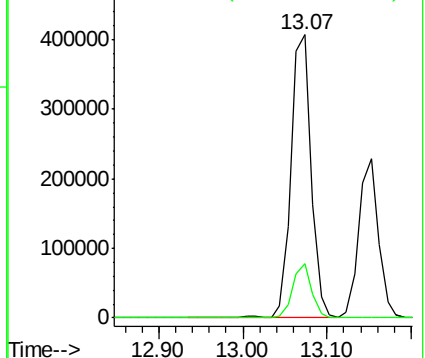
91 100

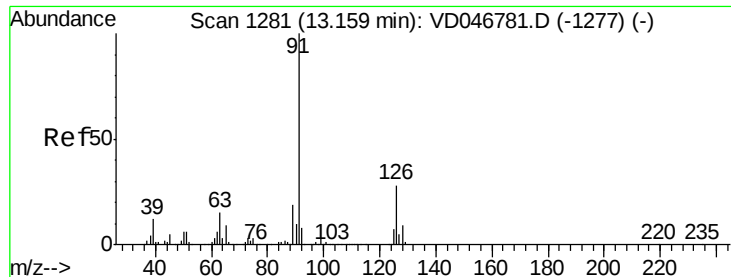
120 19.0 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.67 ug/l

RT: 13.15 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

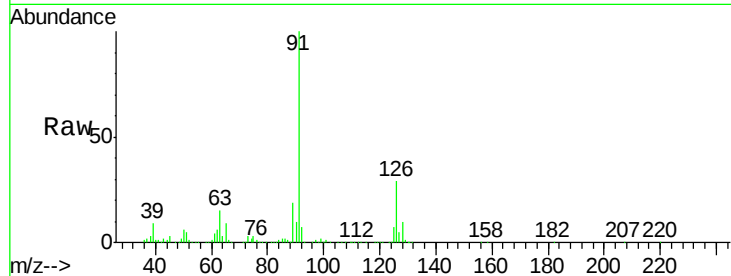
VSTDCCC050

Tot Ion: 91 Resp: 370070

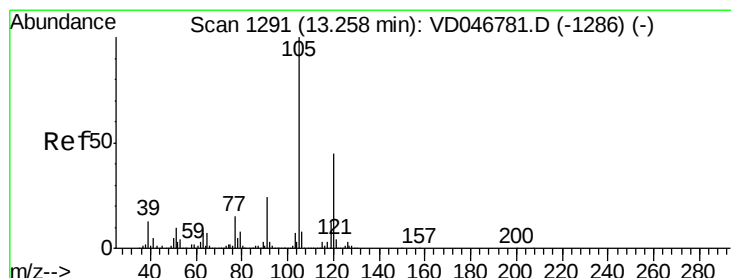
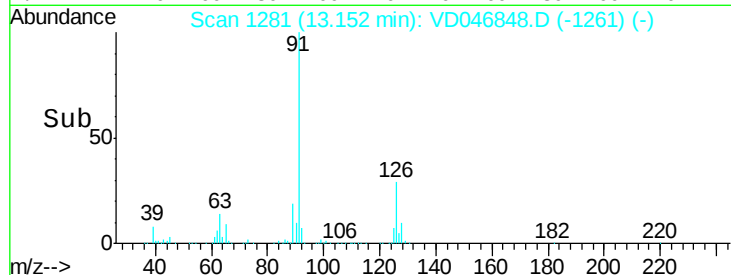
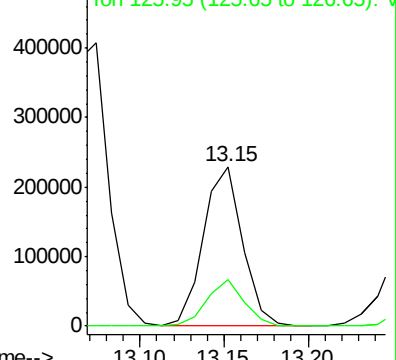
Ion Ratio Lower Upper

91 100

126 29.4 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 52.64 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD046848.D

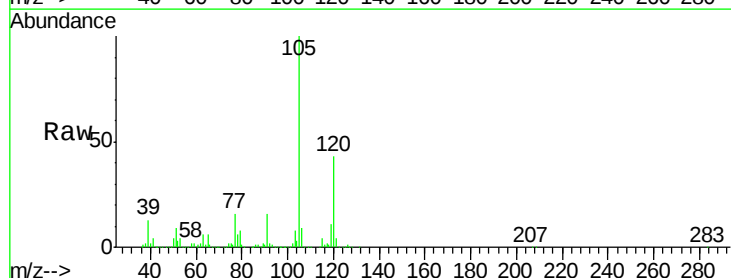
Acq: 23 Sep 2015 10:49

Tgt Ion: 105 Resp: 383182

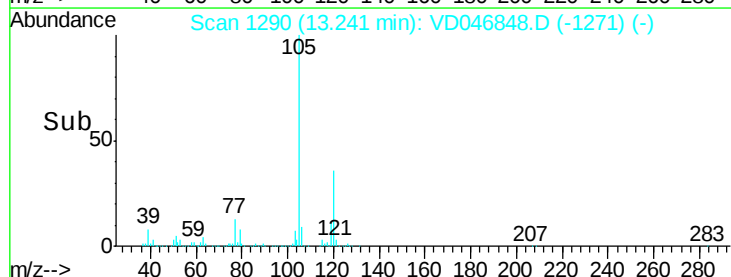
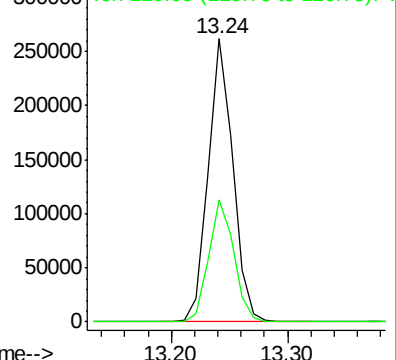
Ion Ratio Lower Upper

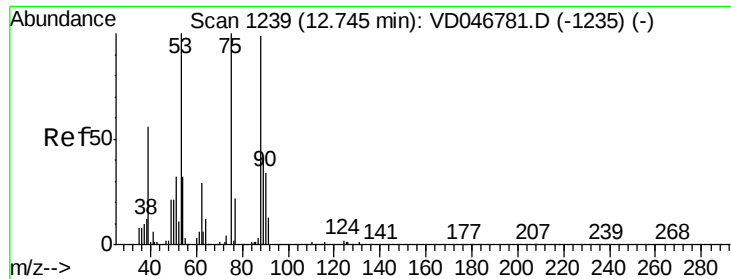
105 100

120 43.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.49 ug/l

RT: 12.73 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

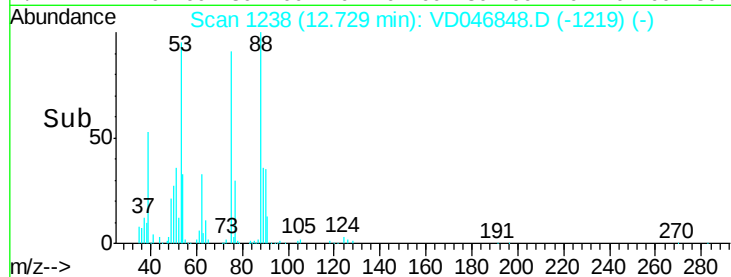
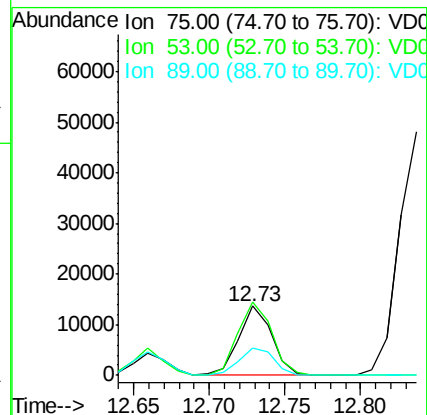
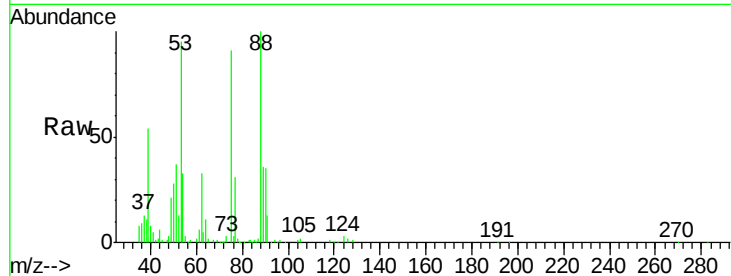
Tot Ion: 75 Resp: 20997

Ion Ratio Lower Upper

75 100

53 105.5 82.3 123.5

89 40.0 36.6 54.8



#82

4-Chlorotoluene

Concen: 51.69 ug/l

RT: 13.27 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VD046848.D

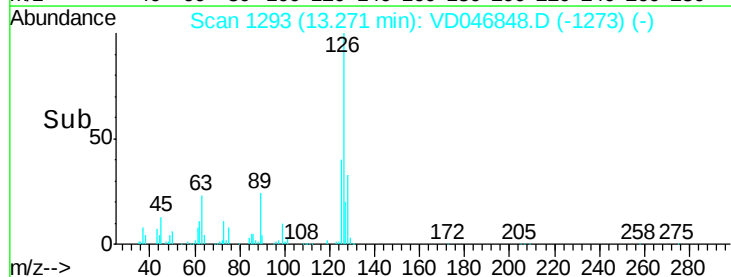
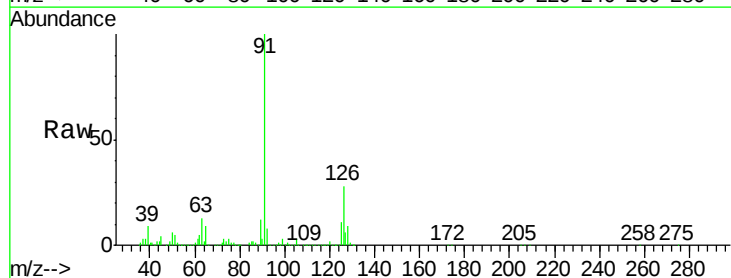
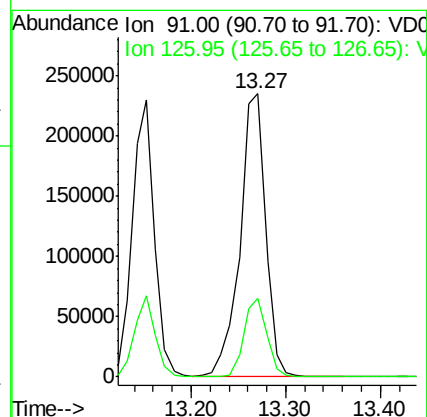
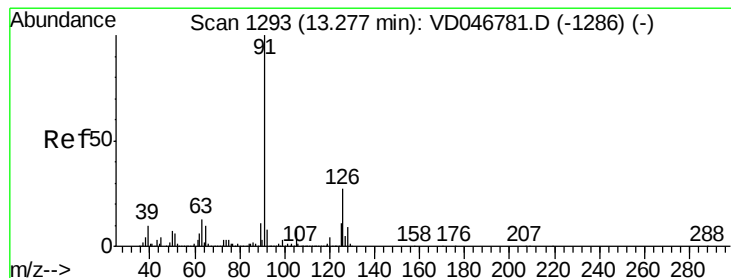
Acq: 23 Sep 2015 10:49

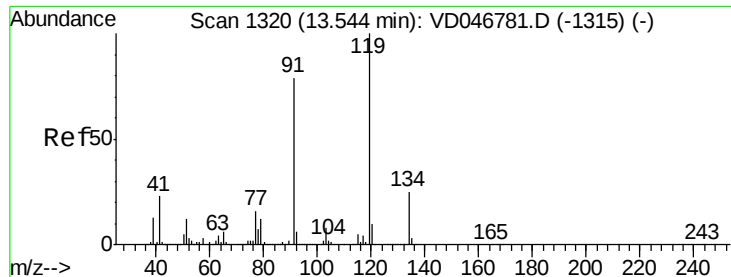
Tgt Ion: 91 Resp: 440653

Ion Ratio Lower Upper

91 100

126 28.0 14.1 42.4





#83

tert-Butylbenzene

Concen: 62.49 ug/l

RT: 13.53 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

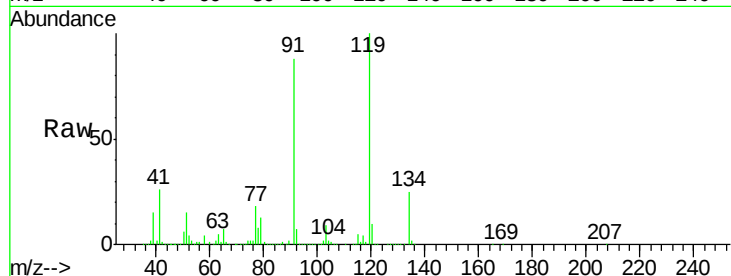
Tot Ion:119 Resp: 410218

Ion Ratio Lower Upper

119 100

91 88.4 41.6 124.9

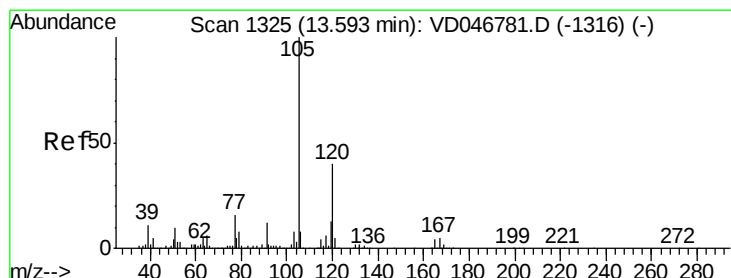
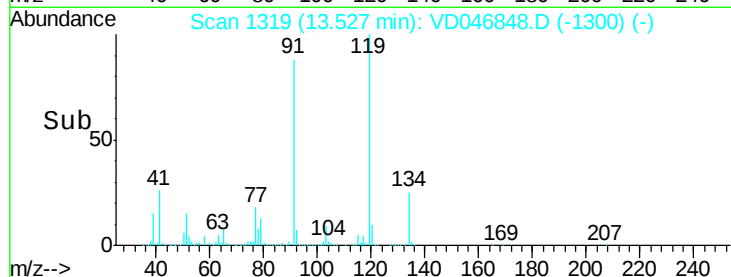
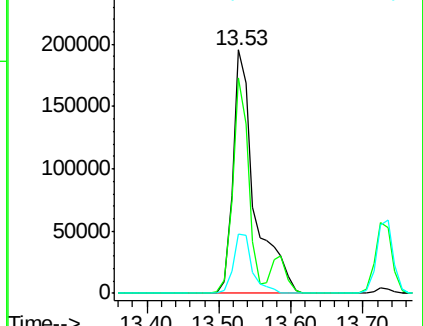
134 24.6 12.4 37.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.91 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VD046848.D

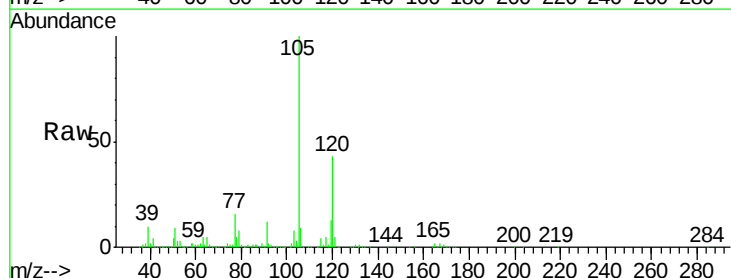
Acq: 23 Sep 2015 10:49

Tgt Ion:105 Resp: 387747

Ion Ratio Lower Upper

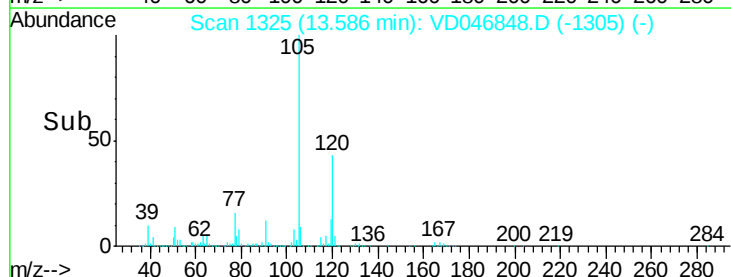
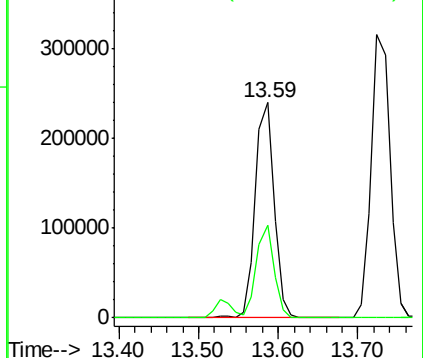
105 100

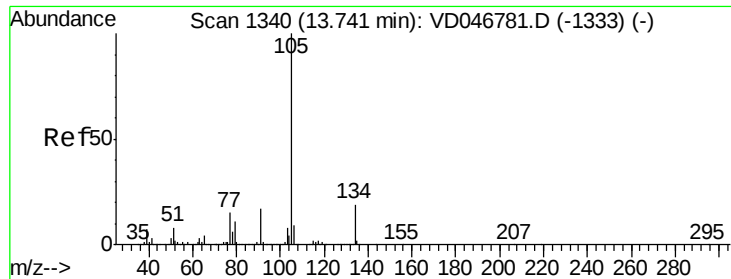
120 42.9 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

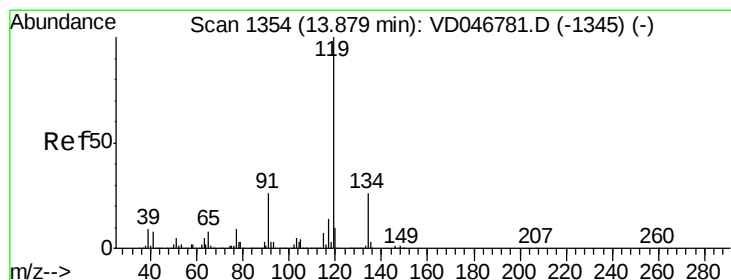
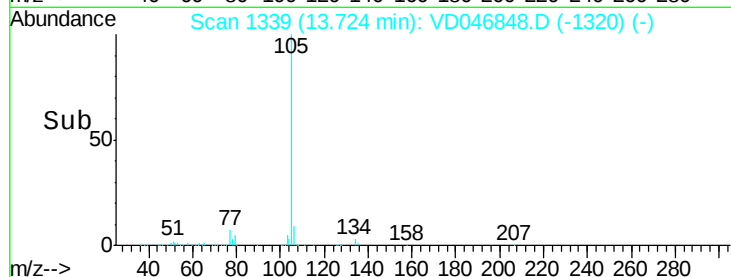
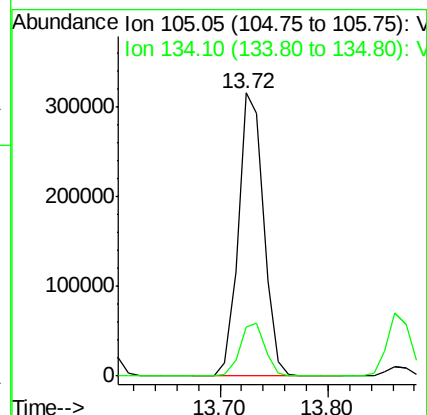
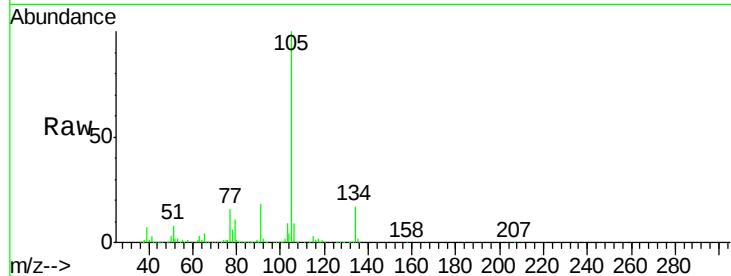




#85
 sec-Butylbenzene
 Concen: 52.94 ug/l
 RT: 13.72 min Scan# 1339
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

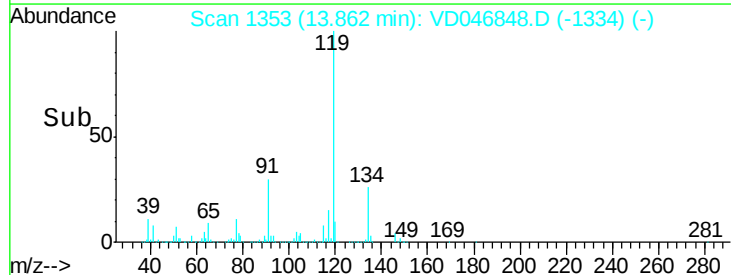
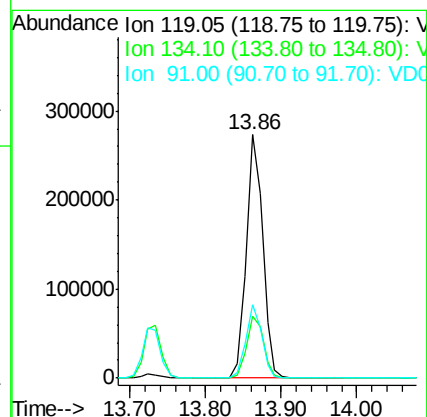
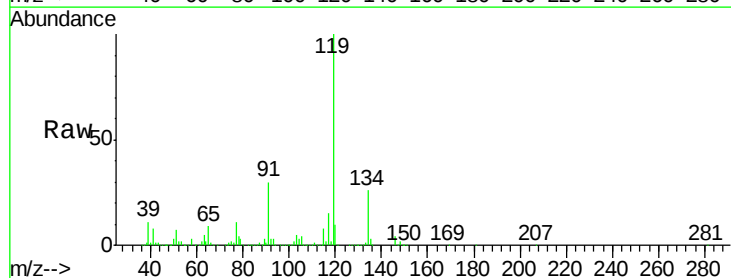
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

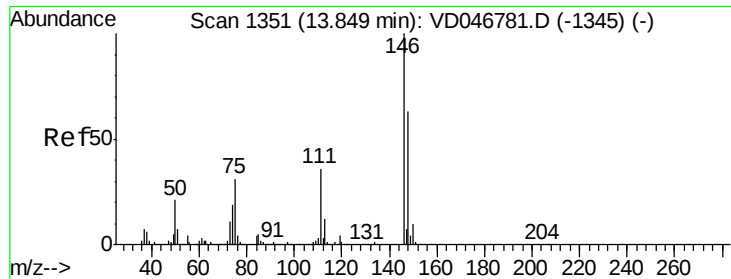
Tot Ion:105 Resp: 510780
 Ion Ratio Lower Upper
 105 100
 134 17.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 53.49 ug/l
 RT: 13.86 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion:119 Resp: 405585
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 30.3 13.8 41.3

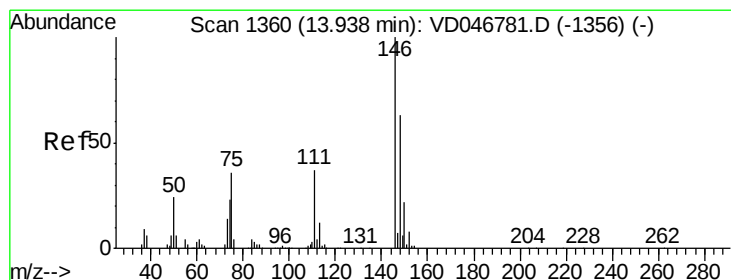
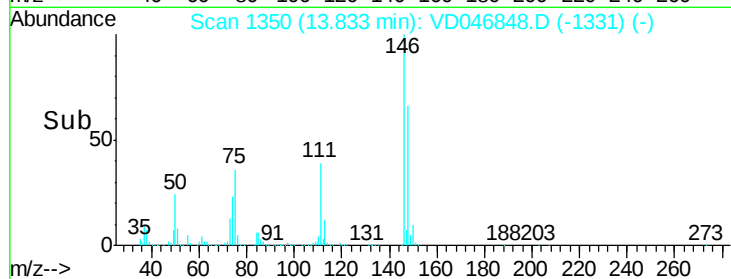
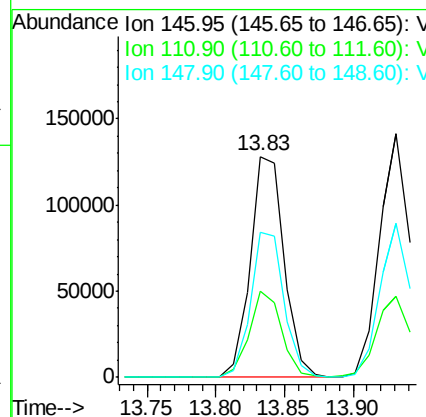
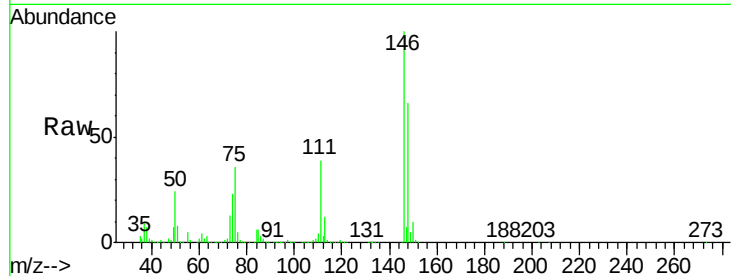




#87
 1,3-Dichlorobenzene
 Concen: 51.56 ug/l
 RT: 13.83 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

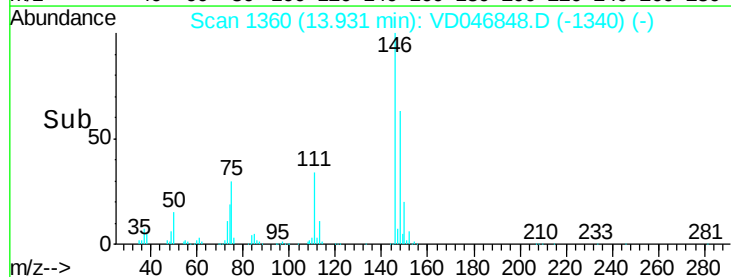
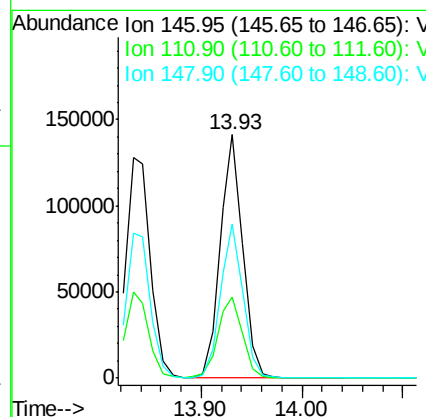
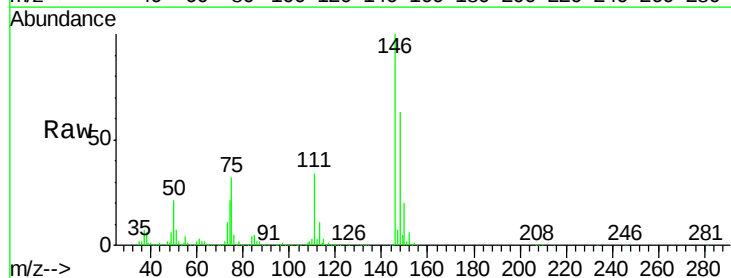
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

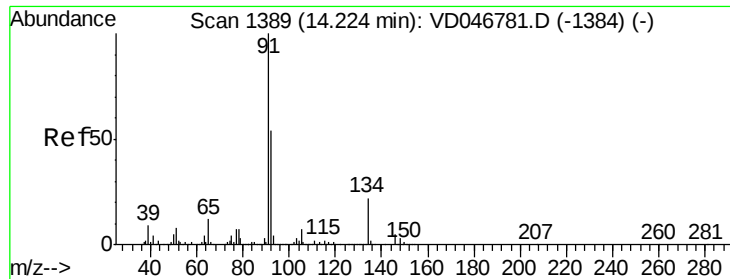
Tot Ion:146 Resp: 220982
 Ion Ratio Lower Upper
 146 100
 111 39.2 17.4 52.2
 148 65.9 33.0 99.0



#88
 1,4-Dichlorobenzene
 Concen: 51.51 ug/l
 RT: 13.93 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion:146 Resp: 219550
 Ion Ratio Lower Upper
 146 100
 111 33.5 17.0 51.0
 148 63.3 31.9 95.7





#89

n-Butylbenzene

Concen: 55.50 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

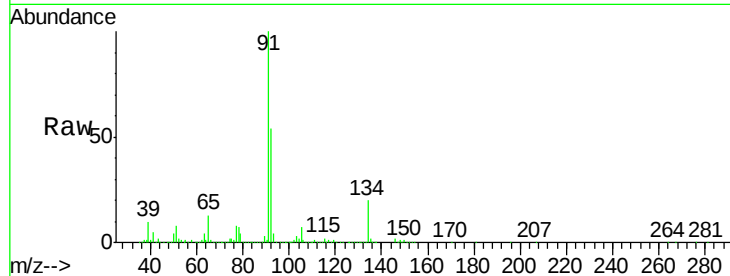
Tot Ion: 91 Resp: 475159

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.2
134	19.7	9.6	28.6

91 100

92 54.0 27.1 81.2

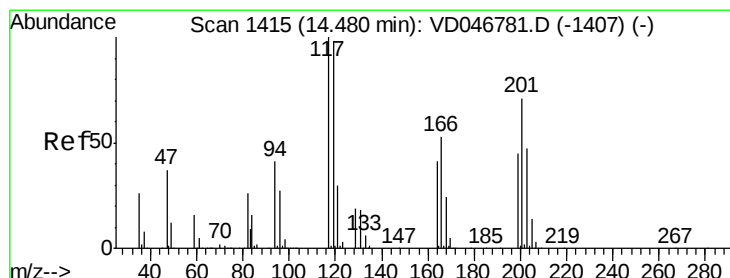
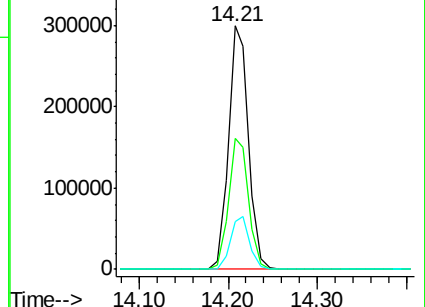
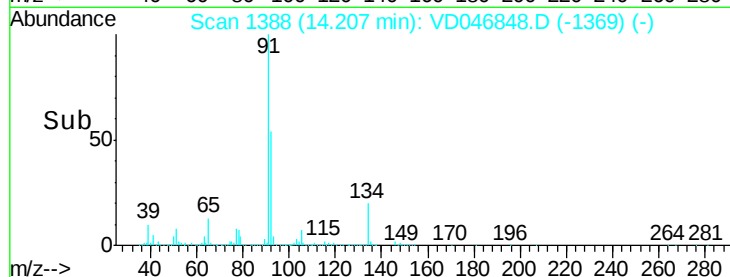
134 19.7 9.6 28.6



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): VDC



#90

Hexachloroethane

Concen: 49.77 ug/l

RT: 14.47 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VD046848.D

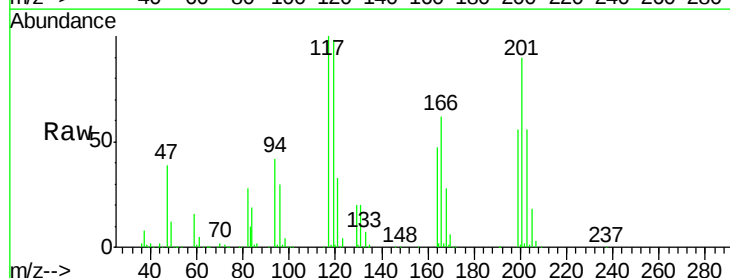
Acq: 23 Sep 2015 10:49

Tgt Ion: 117 Resp: 87484

Ion	Ratio	Lower	Upper
117	100		
201	89.9	41.0	123.0

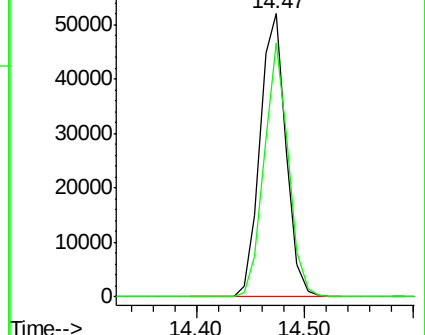
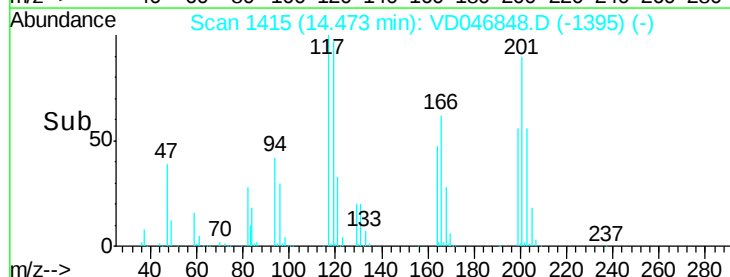
117 100

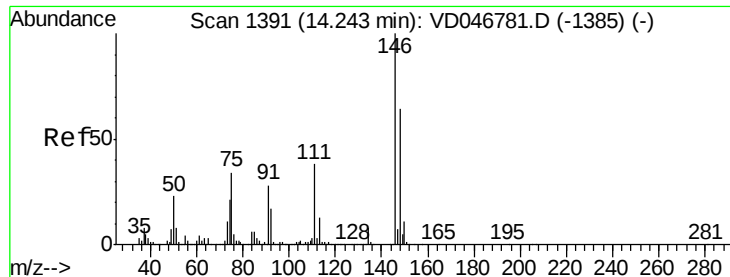
201 89.9 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

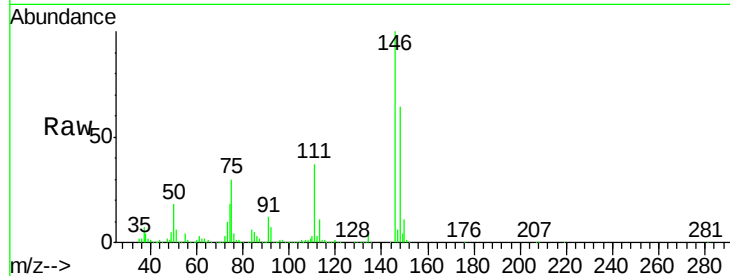




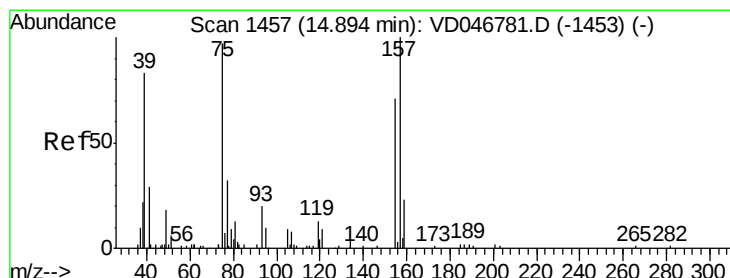
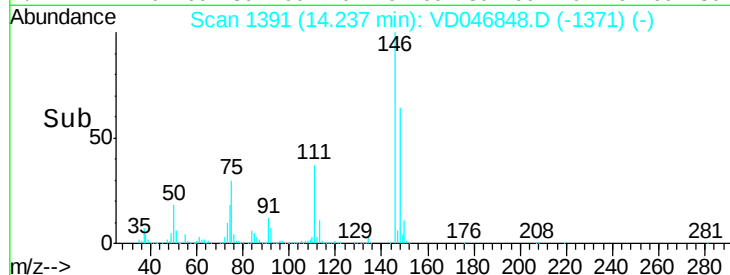
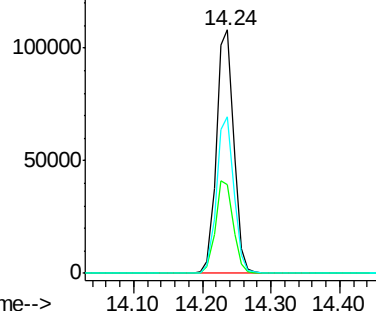
#91
 1,2-Dichlorobenzene
 Concen: 52.56 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.2	54.6
148	64.1	31.1	93.3

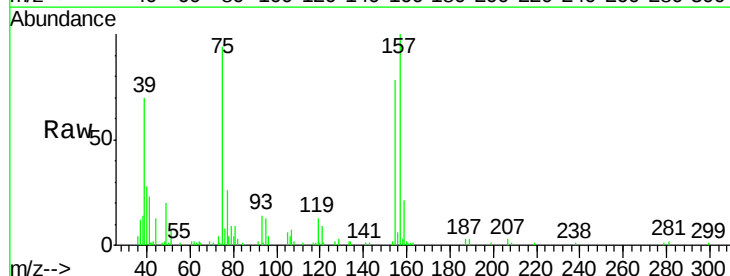


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

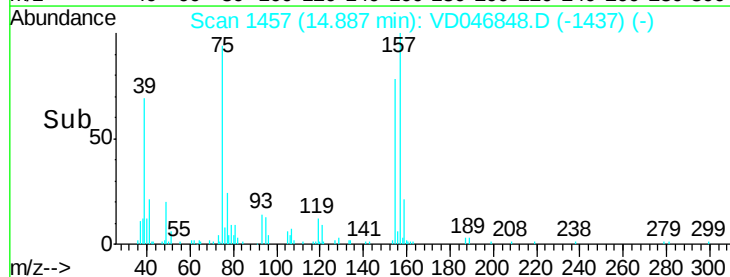
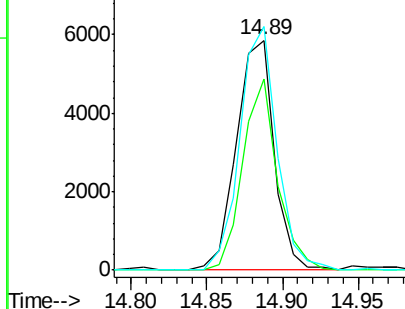


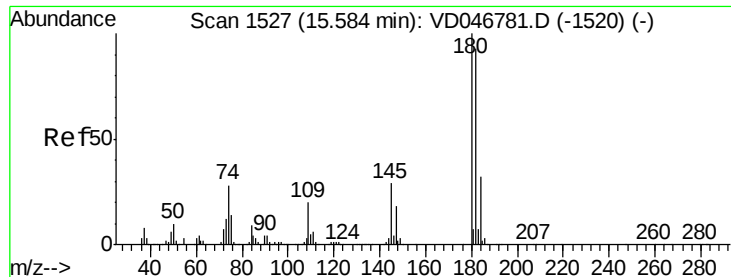
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.72 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	41.4	124.4
157	106.0	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

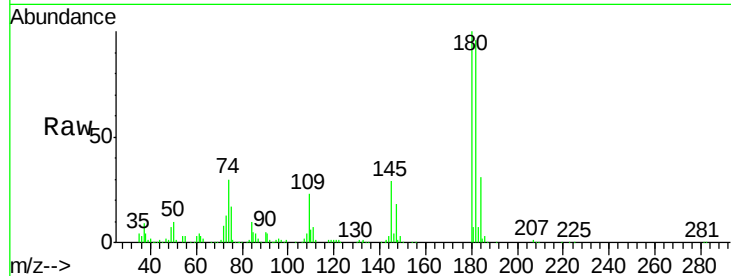




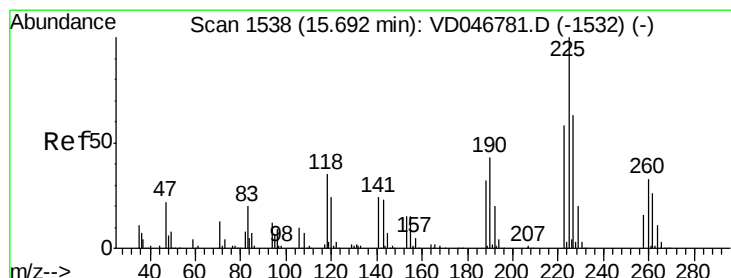
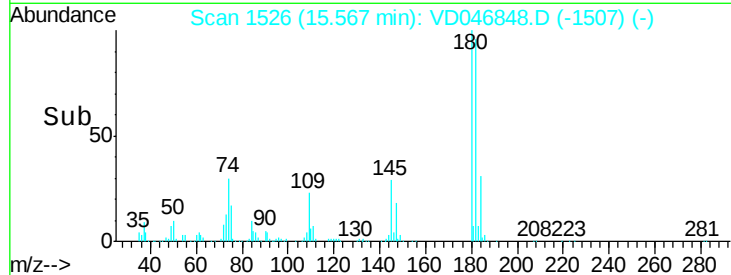
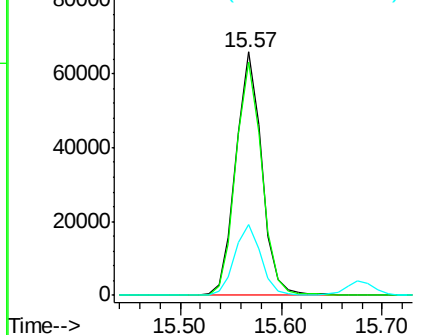
#93
 1,2,4-Trichlorobenzene
 Concen: 56.77 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 117704
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.5 142.5
 145 28.9 14.6 44.0

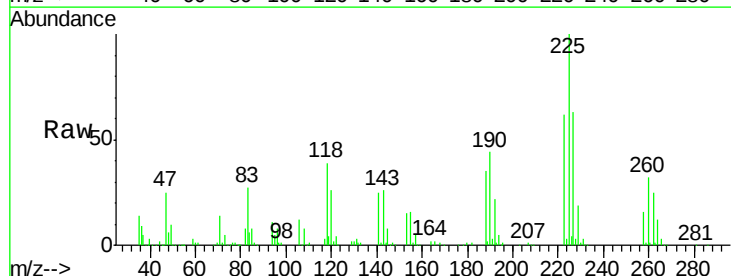


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

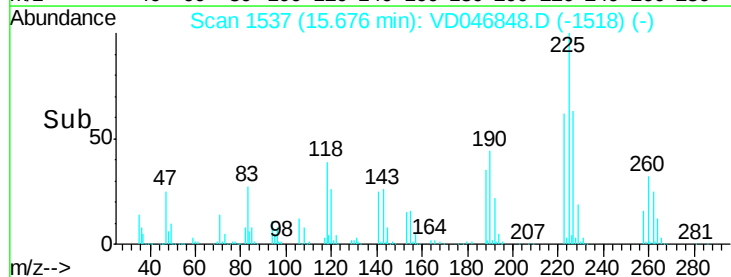
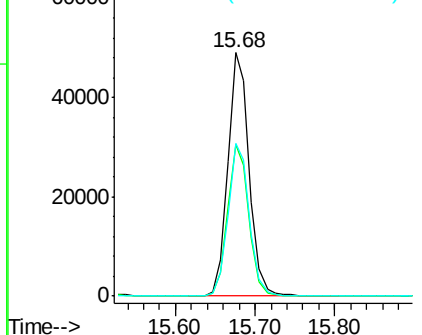


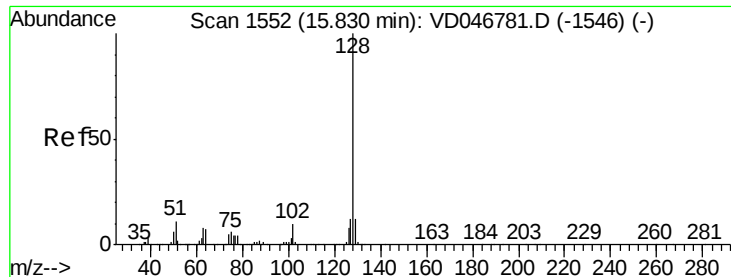
#94
 Hexachlorobutadiene
 Concen: 53.92 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion:225 Resp: 92027
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.4 91.2
 227 62.9 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: 54.64 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

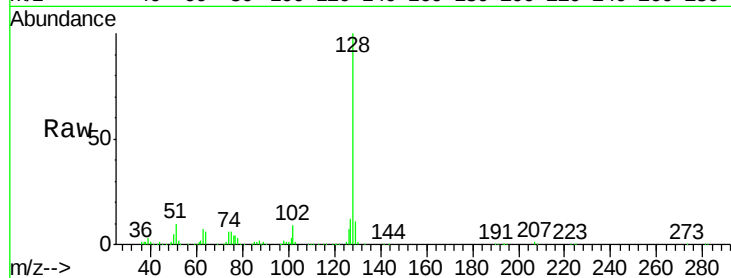
Tot Ion:128 Resp: 150578

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.6

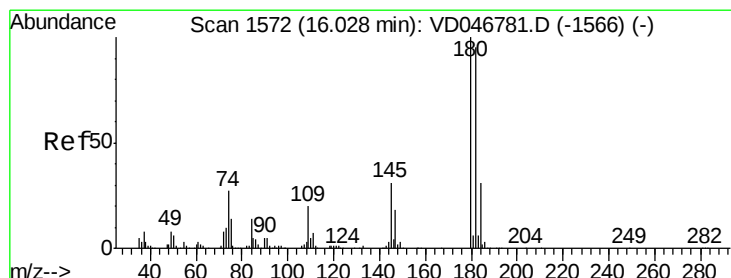
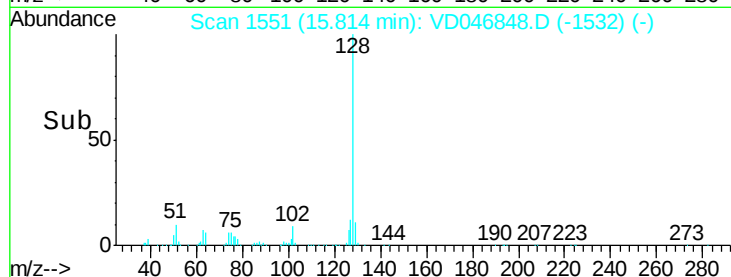
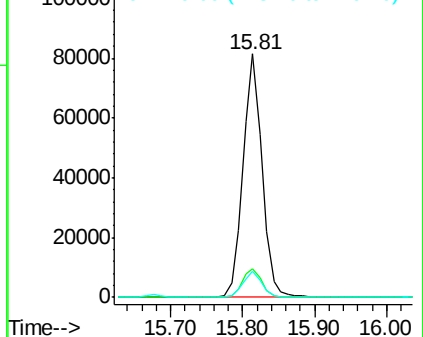
129 10.6 8.6 12.8



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: 56.92 ug/l

RT: 16.01 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

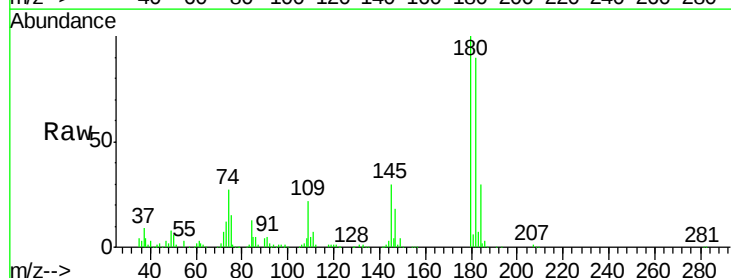
Tgt Ion:180 Resp: 98610

Ion Ratio Lower Upper

180 100

182 90.3 47.4 142.3

145 29.8 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

