

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046821.D
 Acq On : 21 Sep 2015 21:35
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 22 01:12:20 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	258784	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.41	114	333257	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	274867	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	129712	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.70	65	122626	45.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	6.19	113	131587	50.47	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	9.60	98	419331	50.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.83	95	144427	43.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.42	85	105415	44.26	ug/l	99
3) Chlorodifluoromethane	1.43	51	98065	50.03	ug/l	99
4) Chloromethane	1.58	50	77082	50.53	ug/l	98
5) Vinyl Chloride	1.67	62	69041	48.19	ug/l	99
6) Bromomethane	1.97	94	61198	49.27	ug/l	96
7) Chloroethane	2.08	64	40187	44.81	ug/l	98
8) Trichlorofluoromethane	2.32	101	166012	39.17	ug/l	97
9) Diethyl Ether	2.62	74	39918	53.13	ug/l	94
10) 1,1,2-Trichlorotrifluoroet	2.88	101	128453	48.44	ug/l	96
11) Methyl Iodide	3.04	142	148173	47.91	ug/l	95
12) Tert butyl alcohol	3.68	59	16622	181.47	ug/l #	89
13) 1,1-Dichloroethene	2.87	96	105719	50.99	ug/l	90
14) Acrolein	2.77	56	37171	270.42	ug/l	87
15) Allyl chloride	3.32	41	236429	56.17	ug/l	96
16) Acrylonitrile	3.82	53	92560	294.62	ug/l	98
17) Acetone	2.93	43	98656	217.01	ug/l	98
18) Carbon Disulfide	3.11	76	381455	49.11	ug/l	98
19) Methyl Acetate	3.32	43	148758	56.48	ug/l	97
20) Methyl tert-butyl Ether	3.88	73	166297	51.20	ug/l	96
21) Methylene Chloride	3.49	84	126741	51.34	ug/l	93
22) trans-1,2-Dichloroethene	3.87	96	121954	52.16	ug/l	95
23) Diisopropyl ether	4.63	45	410080	58.68	ug/l	96
24) Vinyl Acetate	4.58	43	576858	346.03	ug/l	99
25) 1,1-Dichloroethane	4.54	63	223104	51.83	ug/l	99
26) 2-Butanone	5.43	43	139187	272.41	ug/l	96
27) 2,2-Dichloropropane	5.41	77	189785	42.91	ug/l	94
28) cis-1,2-Dichloroethene	5.41	96	132198	54.31	ug/l	92
29) Bromochloromethane	5.78	49	93424	55.08	ug/l	97
30) Chloroform	5.95	83	245372	46.99	ug/l	99
31) Cyclohexane	6.26	56	206592	51.15	ug/l	97
32) 1,1,1-Trichloroethane	6.17	97	201623	43.37	ug/l	100
36) 1,1-Dichloropropene	6.42	75	187177	48.06	ug/l	98
37) Ethyl Acetate	5.53	43	67082	53.62	ug/l	96
38) Carbon Tetrachloride	6.40	117	171049	42.26	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	205674	52.12	ug/l	99
40) Benzene	6.70	78	494221	49.71	ug/l	97
41) Methacrylonitrile	5.75	41	42139	60.05	ug/l #	94
42) 1,2-Dichloroethane	6.82	62	139664	45.23	ug/l	100
43) Isopropyl Acetate	8.40	43	93067	56.43	ug/l	93
44) Trichloroethene	7.73	130	124175	49.89	ug/l	99
45) 1,2-Dichloropropane	8.13	63	124023	50.35	ug/l	93
46) Dibromomethane	8.25	93	65953	47.16	ug/l	96
47) Bromodichloromethane	8.55	83	168662	45.95	ug/l	98
48) Methyl methacrylate	8.06	41	137284	54.45	ug/l	97
49) 1,4-Dioxane	8.28	88	9534	1022.23	ug/l #	88
51) 4-Methyl-2-Pentanone	9.46	43	330981	277.76	ug/l	96
52) Toluene	9.70	92	293935	47.93	ug/l	99
53) t-1,3-Dichloropropene	10.10	75	131727	48.60	ug/l	96
54) cis-1,3-Dichloropropene	9.22	75	171734	49.20	ug/l	96
55) 1,1,2-Trichloroethane	10.38	97	73214	46.11	ug/l	97
56) Ethyl methacrylate	10.22	69	75666	46.25	ug/l	97
57) 1,3-Dichloropropane	10.60	76	135715	45.96	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.02	63	201698	257.42	ug/l	100
59) 2-Hexanone	10.69	43	214650	249.34	ug/l	95
60) Dibromochloromethane	10.87	129	99167	45.51	ug/l	100
61) 1,2-Dibromoethane	11.01	107	70591	45.03	ug/l	96
64) Tetrachloroethene	10.46	164	116817	52.63	ug/l	95
65) Chlorobenzene	11.59	112	284949	49.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.71	131	103963	48.93	ug/l	97
67) Ethyl Benzene	11.72	91	589744	50.74	ug/l	98
68) m/p-Xylenes	11.87	106	378439	103.23	ug/l	96
69) o-Xylene	12.28	106	172150	52.16	ug/l	100
70) Styrene	12.30	104	289124	50.53	ug/l	99
71) Bromoform	12.49	173	53437	47.22	ug/l	95
73) Isopropylbenzene	12.66	105	509605	55.73	ug/l	96
74) N-amyl acetate	12.50	43	117482	50.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.97	83	75260	51.00	ug/l	91
76) 1,2,3-Trichloropropane	13.02	75	81533	51.65	ug/l	95
77) Bromobenzene	12.96	156	120740	52.51	ug/l	83
78) n-propylbenzene	13.07	91	689383	53.39	ug/l	98
79) 2-Chlorotoluene	13.15	91	376085	52.46	ug/l	100
80) 1,3,5-Trimethylbenzene	13.24	105	390798	53.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.72	75	21318	49.14	ug/l	89
82) 4-Chlorotoluene	13.27	91	437164	51.23	ug/l	100
83) tert-Butylbenzene	13.52	119	412293	62.75	ug/l	99
84) 1,2,4-Trimethylbenzene	13.58	105	389425	53.09	ug/l	99
85) sec-Butylbenzene	13.72	105	506974	52.50	ug/l	94
86) p-Isopropyltoluene	13.86	119	396030	52.18	ug/l	98
87) 1,3-Dichlorobenzene	13.83	146	218619	50.96	ug/l	97
88) 1,4-Dichlorobenzene	13.93	146	212372	49.78	ug/l	99
89) n-Butylbenzene	14.20	91	445961	52.05	ug/l	100
90) Hexachloroethane	14.47	117	86032	48.90	ug/l	95
91) 1,2-Dichlorobenzene	14.23	146	180983	50.22	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.87	75	9066	47.81	ug/l	77

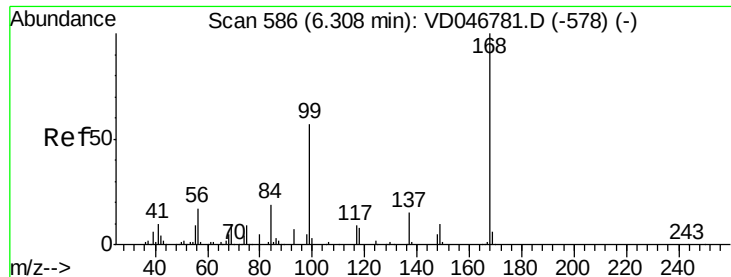
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.56	180	108443	52.26	ug/l	96
94) Hexachlorobutadiene	15.67	225	82222	48.13	ug/l	98
95) Naphthalene	15.81	128	147322	53.46	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	90177	52.00	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 584

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

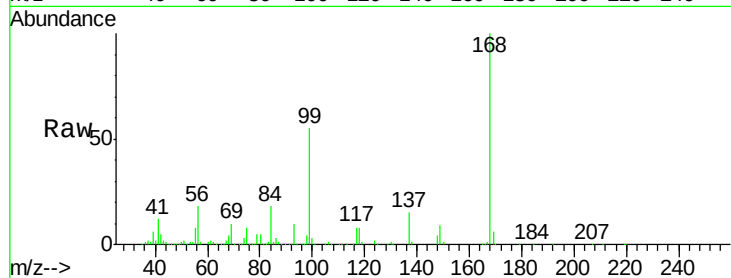
VSTDCCC050EC

Tot Ion:168 Resp: 258784

Ion Ratio Lower Upper

168 100

99 55.1 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.29

120000

100000

80000

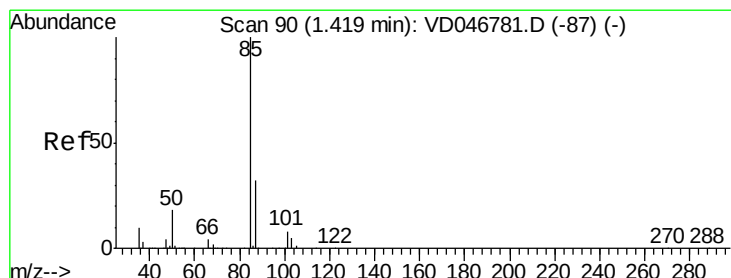
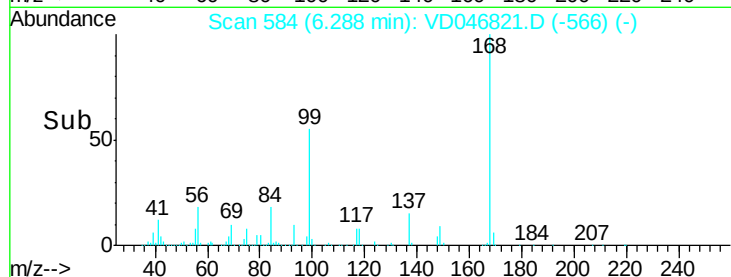
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.26 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VD046821.D

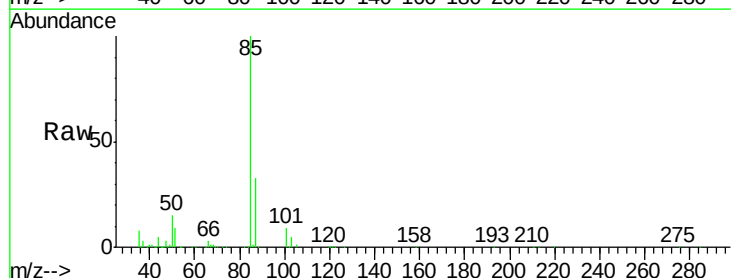
Acq: 21 Sep 2015 21:35

Tgt Ion: 85 Resp: 105415

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.42

120000

100000

80000

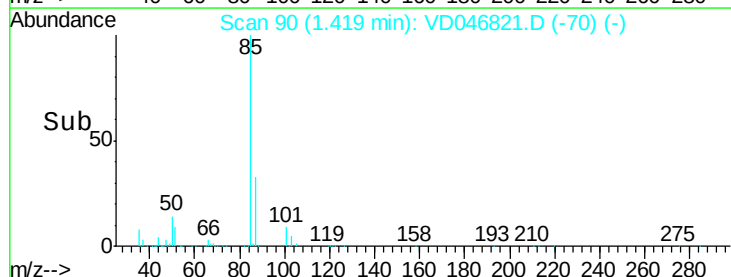
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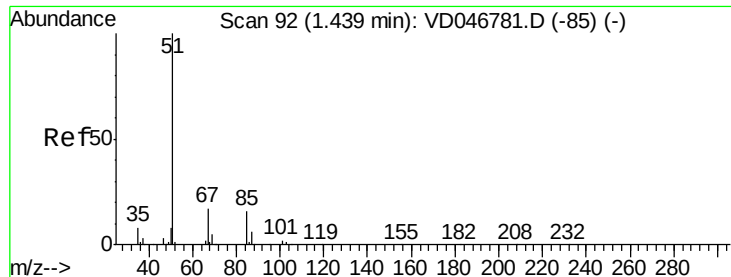
40000

20000

0

Time-->





#3

Chlorodifluoromethane

Concen: 50.03 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

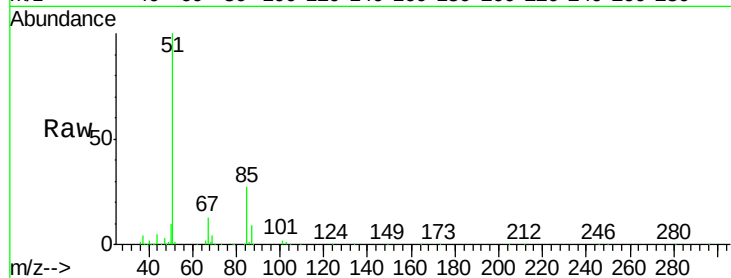
VSTDCCC050EC

Tot Ion: 51 Resp: 98065

Ion Ratio Lower Upper

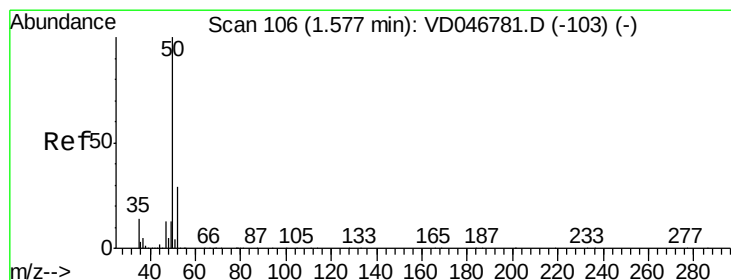
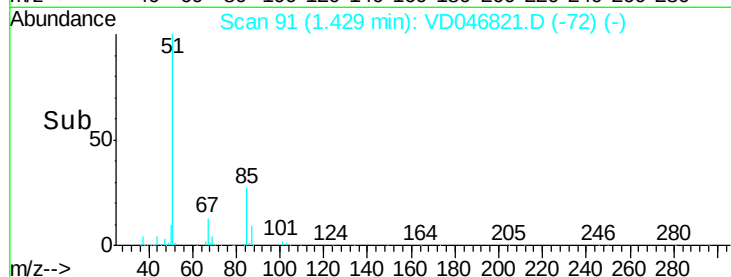
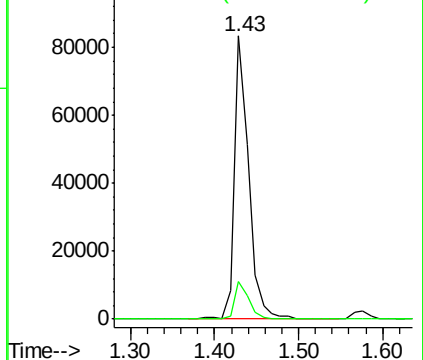
51 100

67 13.2 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: 50.53 ug/l

RT: 1.58 min Scan# 106

Delta R.T. -0.00 min

Lab File: VD046821.D

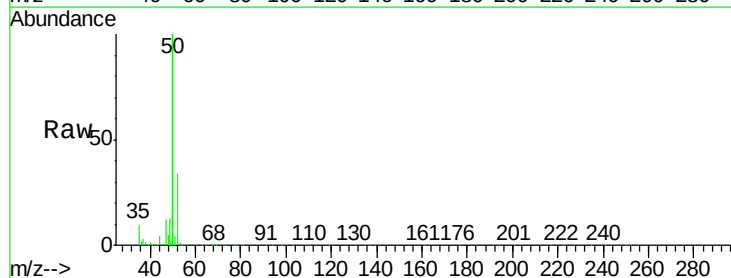
Acq: 21 Sep 2015 21:35

Tgt Ion: 50 Resp: 77082

Ion Ratio Lower Upper

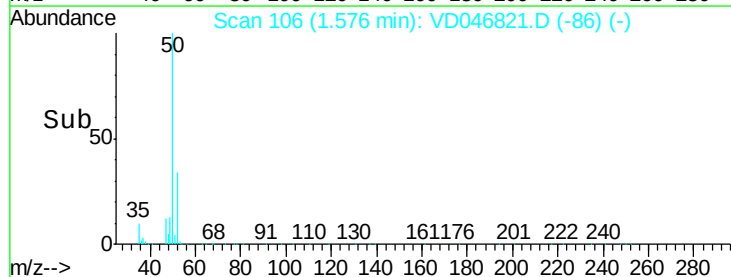
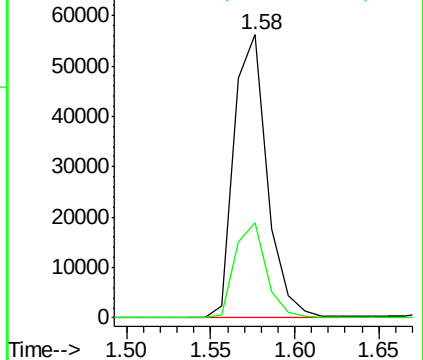
50 100

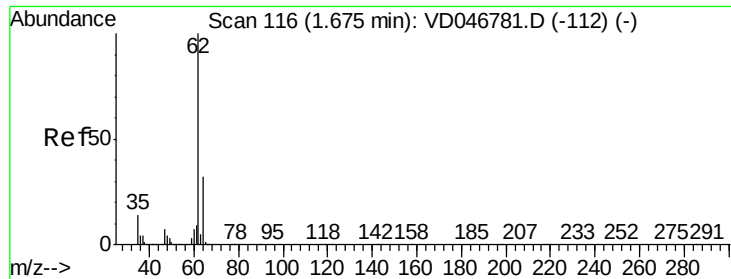
52 33.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 48.19 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.00 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

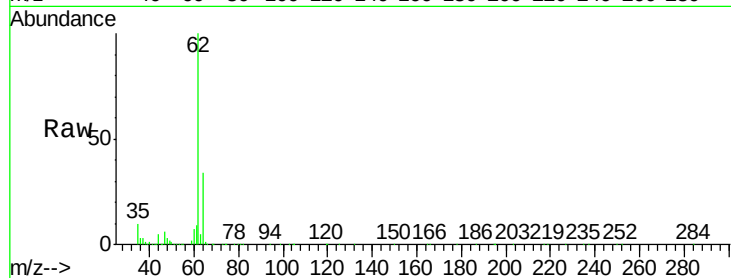
VSTDCCC050EC

Tot Ion: 62 Resp: 69041

Ion Ratio Lower Upper

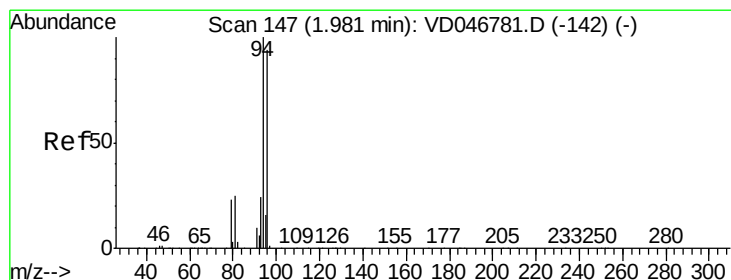
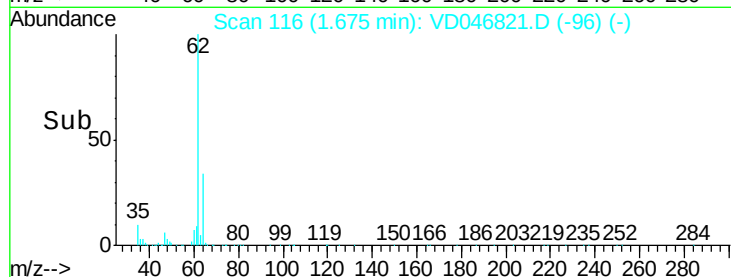
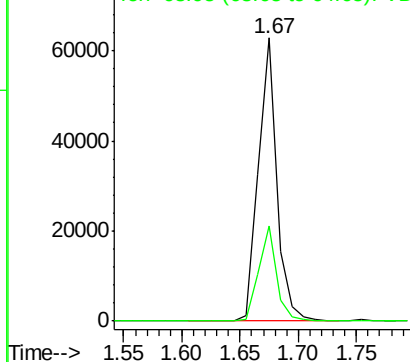
62 100

64 33.6 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: 49.27 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD046821.D

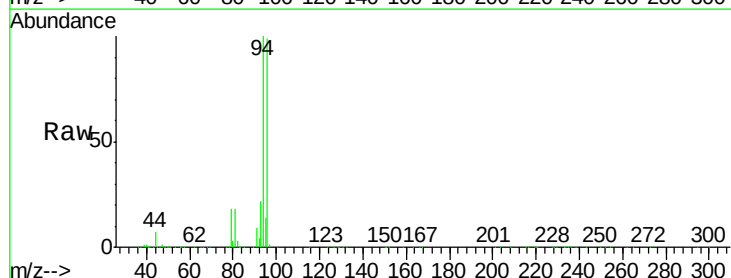
Acq: 21 Sep 2015 21:35

Tgt Ion: 94 Resp: 61198

Ion Ratio Lower Upper

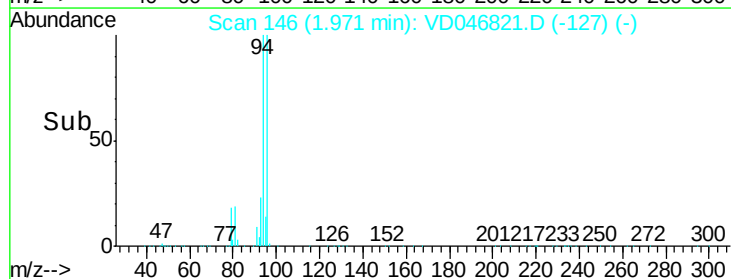
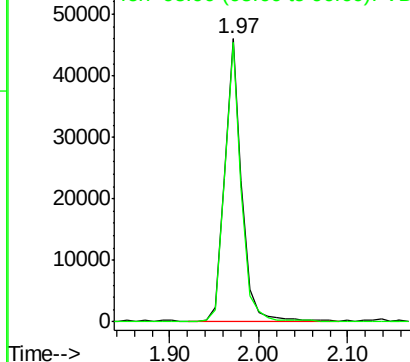
94 100

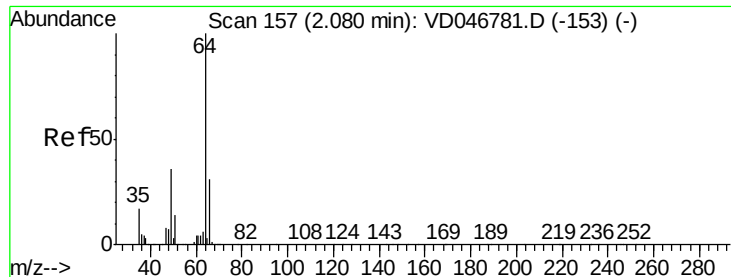
96 99.0 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 44.81 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

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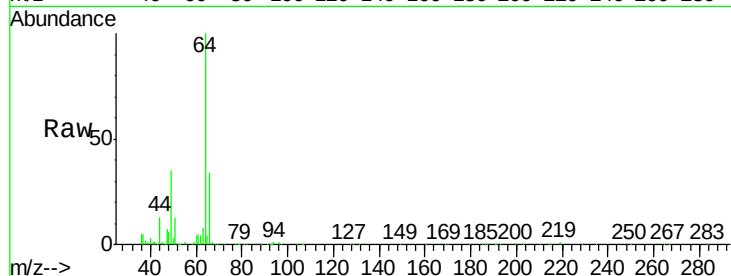
VSTDCCC050EC

Tot Ion: 64 Resp: 40187

Ion Ratio Lower Upper

64 100

66 34.1 26.6 39.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

25000

20000

15000

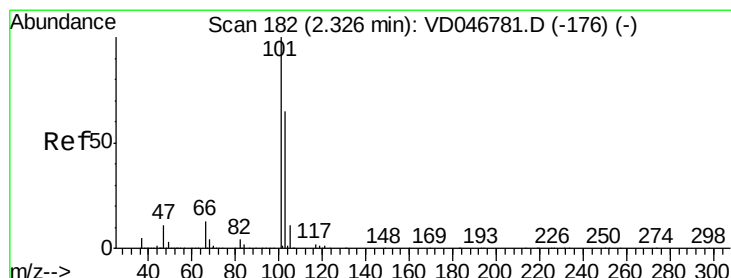
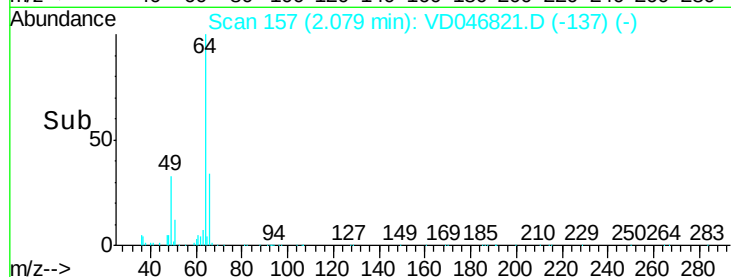
10000

5000

0

2.00 2.10 2.20

Time-->



#8

Trichlorofluoromethane

Concen: 39.17 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD046821.D

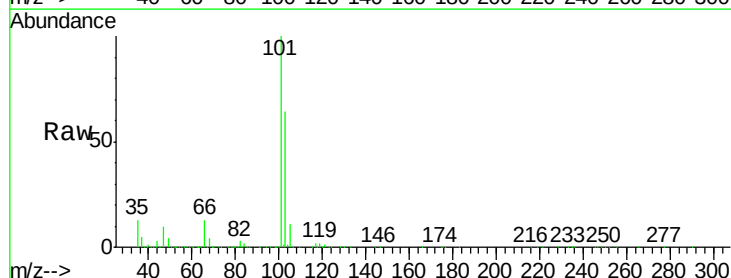
Acq: 21 Sep 2015 21:35

Tgt Ion: 101 Resp: 166012

Ion Ratio Lower Upper

101 100

103 63.7 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

120000

100000

80000

60000

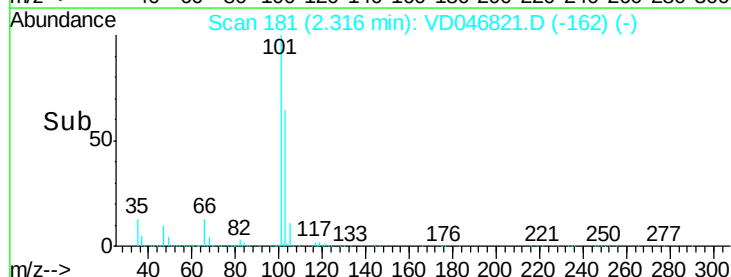
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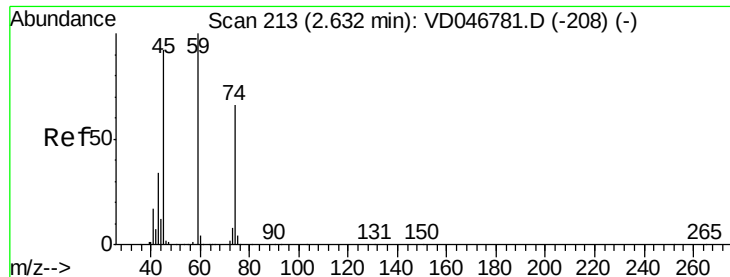
20000

0

2.20 2.30 2.40

Time-->





#9

Diethyl Ether

Concen: 53.13 ug/l

RT: 2.62 min Scan# 212

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

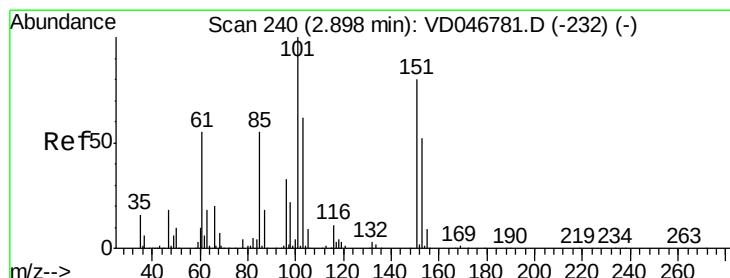
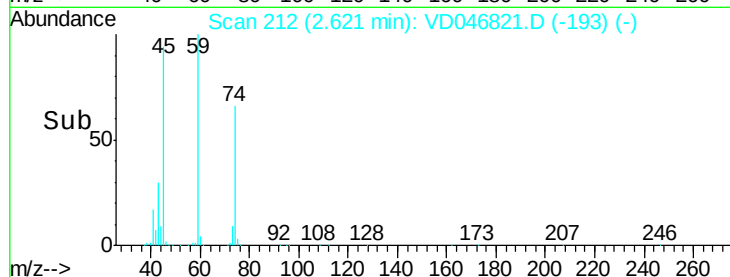
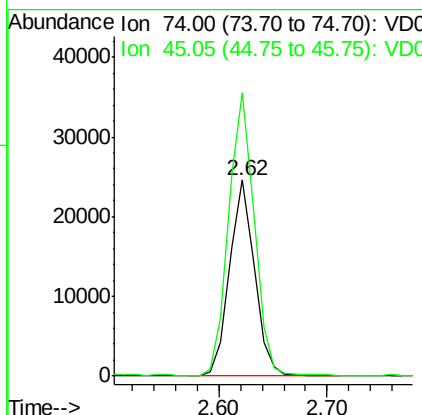
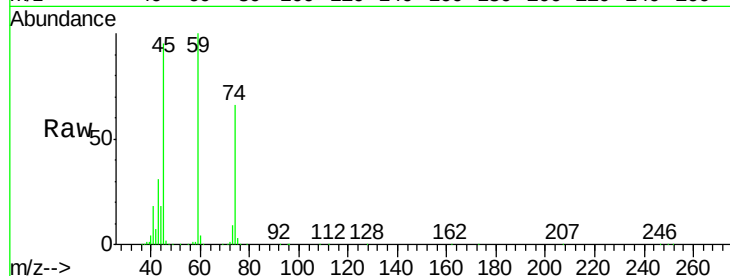
VSTDCCC050EC

Tot Ion: 74 Resp: 39918

Ion Ratio Lower Upper

74 100

45 144.6 76.2 228.6



#10

1,1,2-Trichlorotrifluoroethane

Concen: 48.44 ug/l

RT: 2.88 min Scan# 238

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

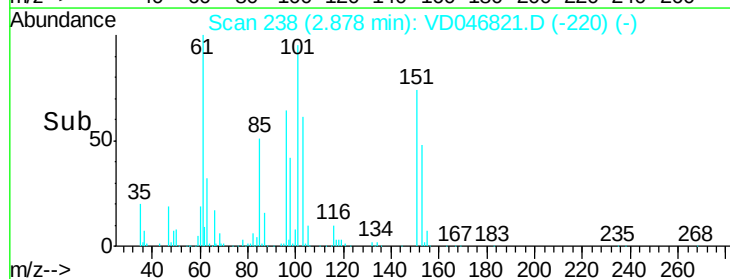
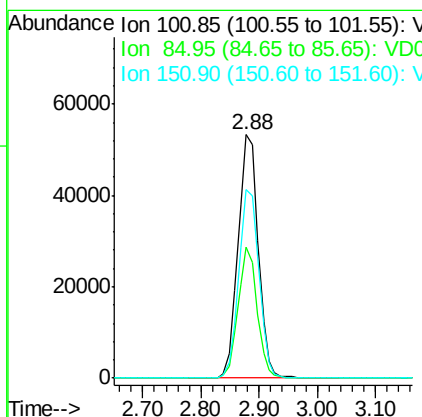
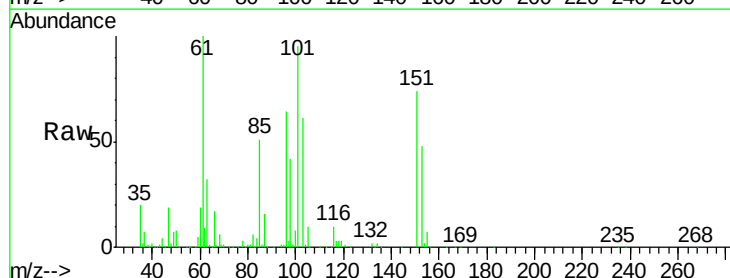
Tgt Ion: 101 Resp: 128453

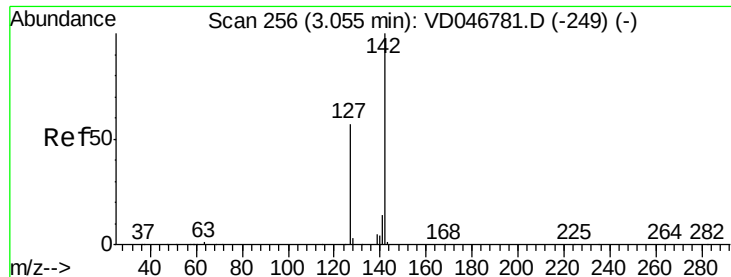
Ion Ratio Lower Upper

101 100

85 53.9 42.0 63.0

151 77.5 65.2 97.8

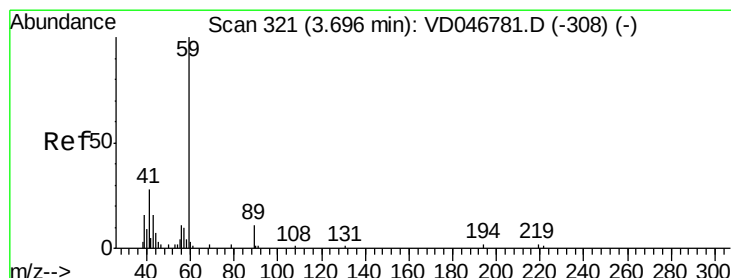
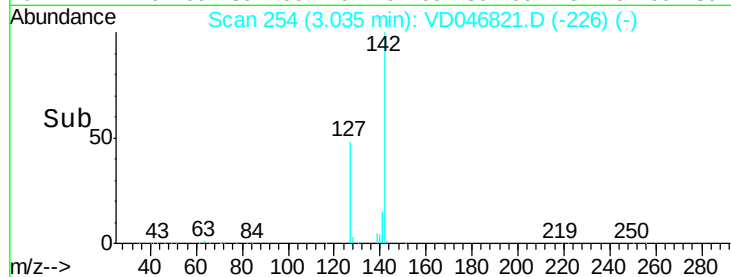
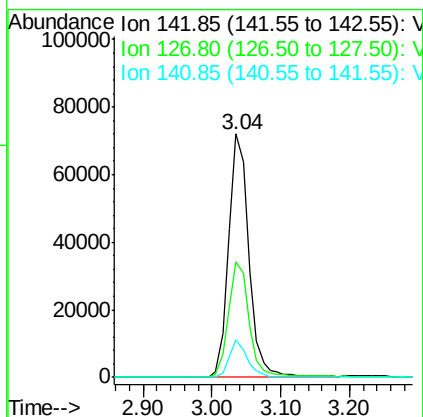
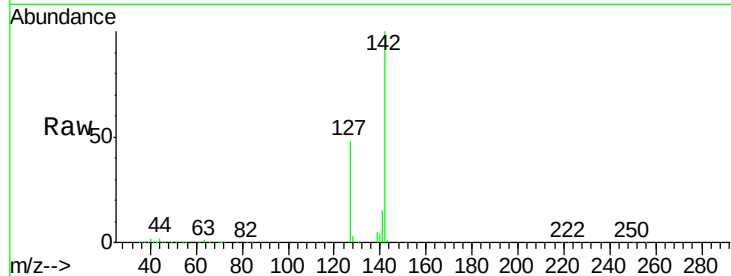




#11
Methvl Iodide
Concen: 47.91 ug/l
RT: 3.04 min Scan# 254
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

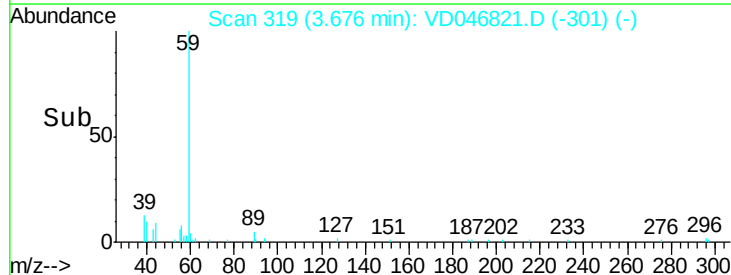
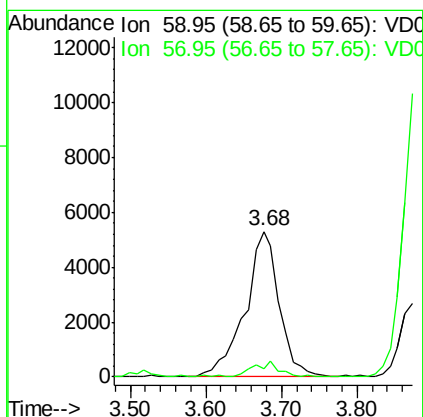
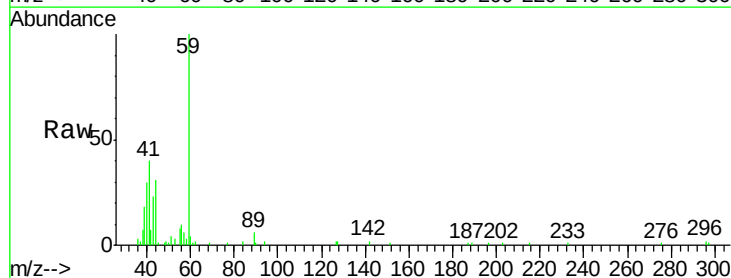
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

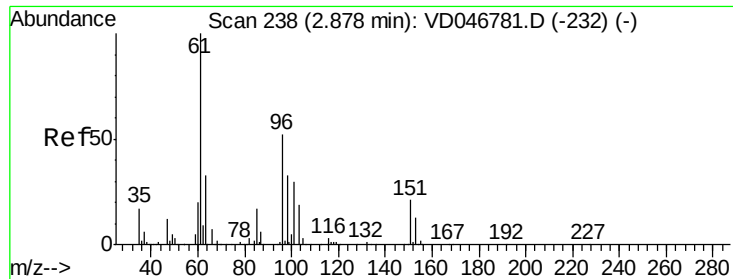
Tot Ion:142 Resp: 148173
Ion Ratio Lower Upper
142 100
127 47.7 41.2 61.8
141 15.2 11.6 17.4



#12
Tert butyl alcohol
Concen: 181.47 ug/l
RT: 3.68 min Scan# 319
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 59 Resp: 16622
Ion Ratio Lower Upper
59 100
57 5.6 7.8 11.6#

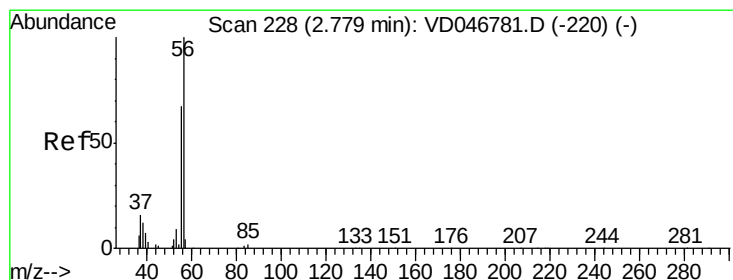
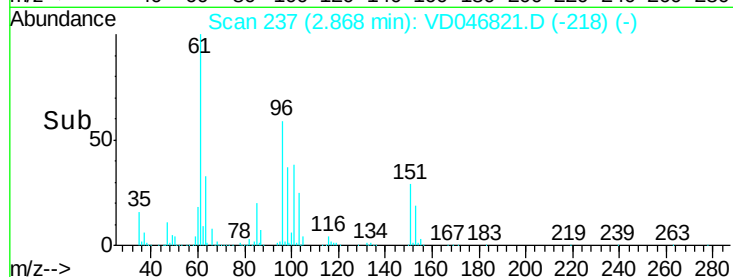
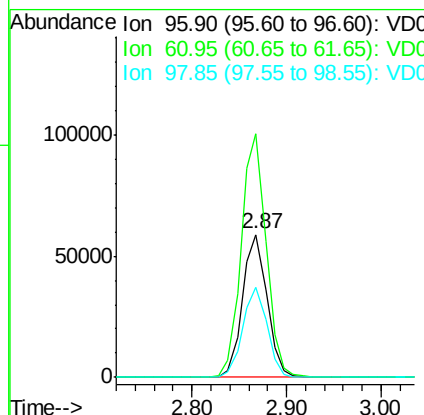
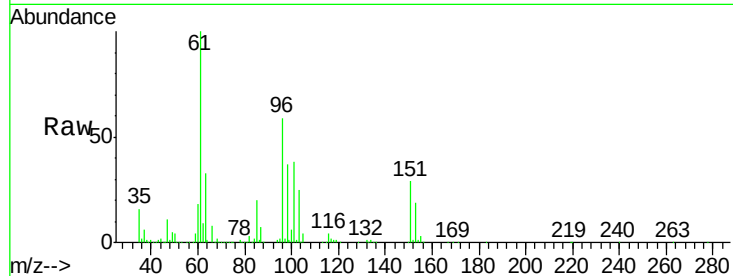




#13
 1,1-Dichloroethene
 Concen: 50.99 ug/l
 RT: 2.87 min Scan# 237
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

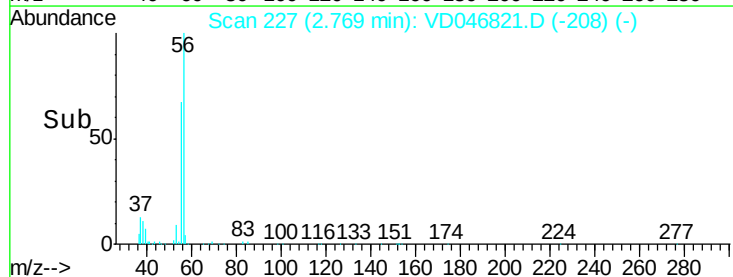
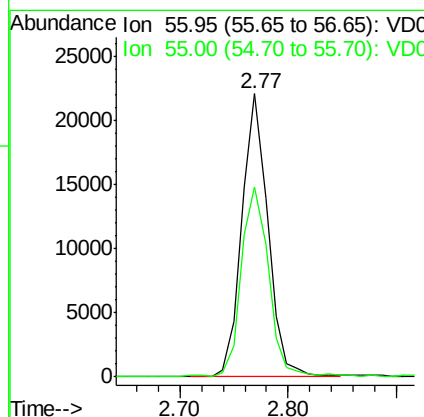
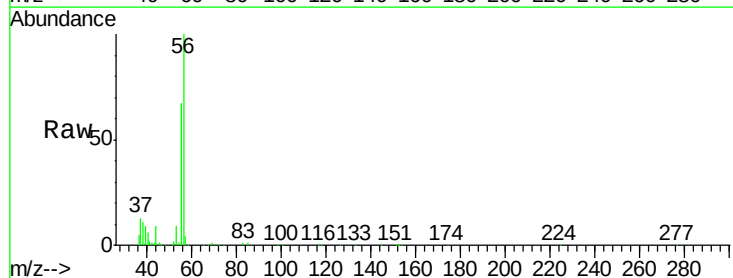
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

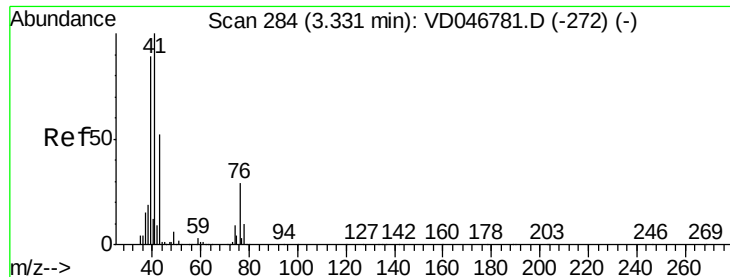
Tot Ion: 96 Resp: 105719
 Ion Ratio Lower Upper
 96 100
 61 170.4 152.2 228.4
 98 63.0 51.2 76.8



#14
 Acrolein
 Concen: 270.42 ug/l
 RT: 2.77 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion: 56 Resp: 37171
 Ion Ratio Lower Upper
 56 100
 55 67.1 62.6 93.8

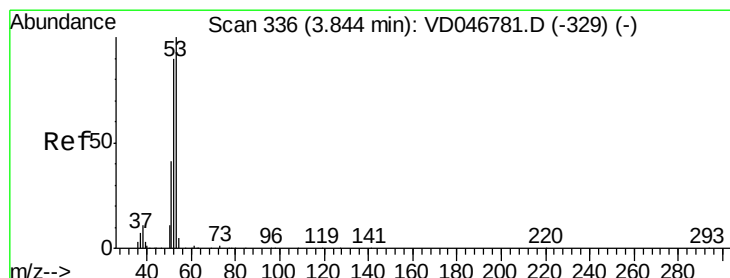
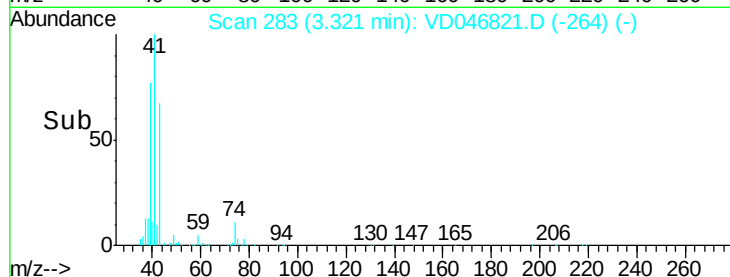
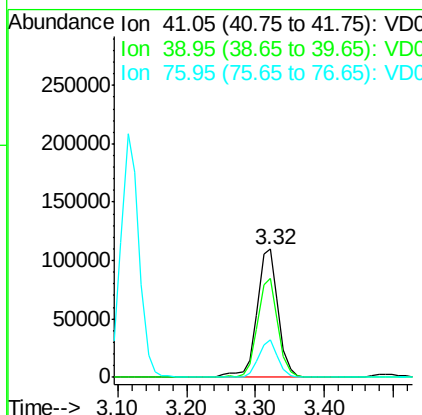
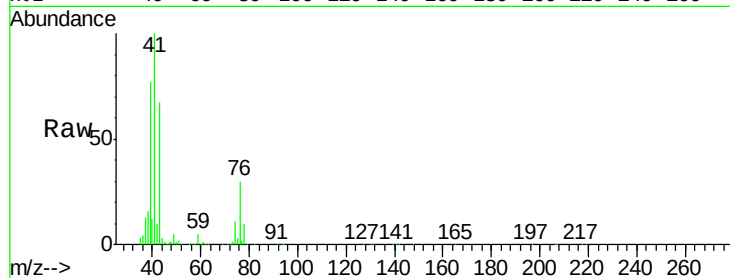




#15
Allvl chloride
Concen: 56.17 ug/l
RT: 3.32 min Scan# 283
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

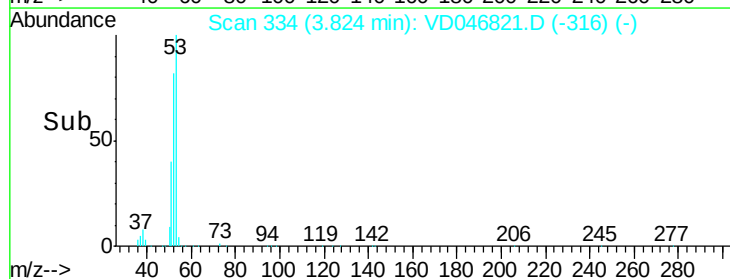
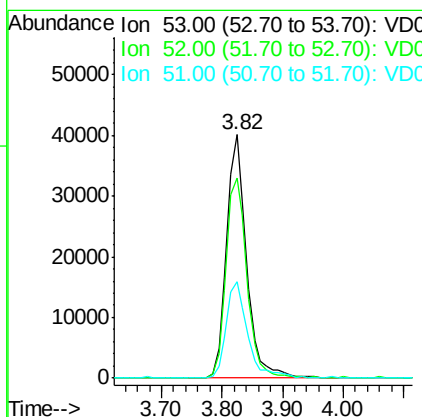
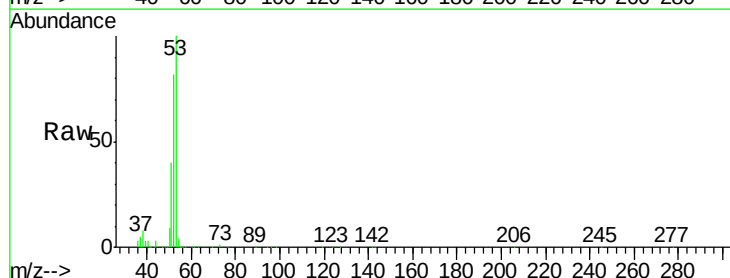
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

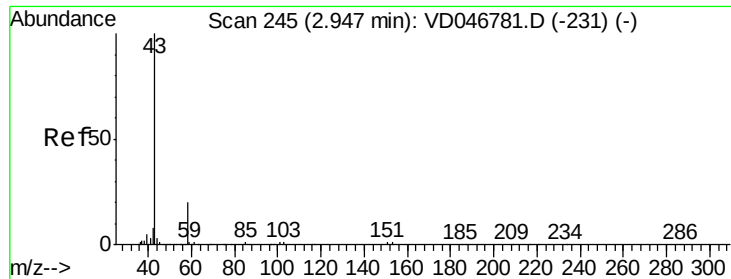
Tot Ion: 41 Resp: 236429
Ion Ratio Lower Upper
41 100
39 77.0 58.8 88.2
76 29.7 22.7 34.1



#16
Acrylonitrile
Concen: 294.62 ug/l
RT: 3.82 min Scan# 334
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 53 Resp: 92560
Ion Ratio Lower Upper
53 100
52 82.0 66.8 100.2
51 39.7 31.2 46.8





#17

Acetone

Concen: 217.01 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

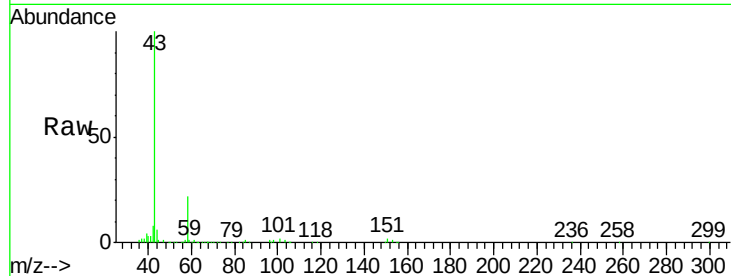
VSTDCCC050EC

Tot Ion: 43 Resp: 98656

Ion Ratio Lower Upper

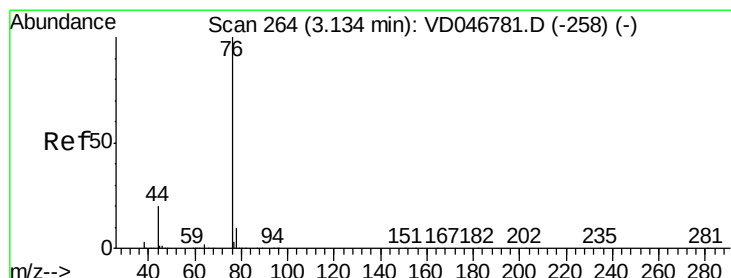
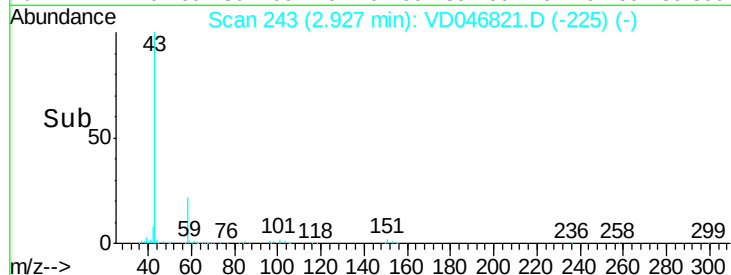
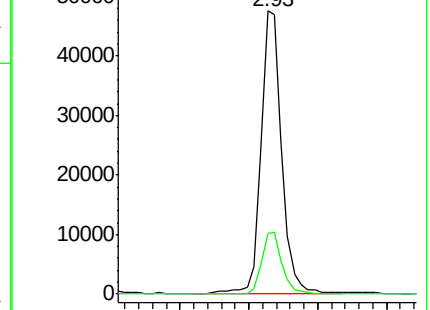
43 100

58 21.6 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 49.11 ug/l

RT: 3.11 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD046821.D

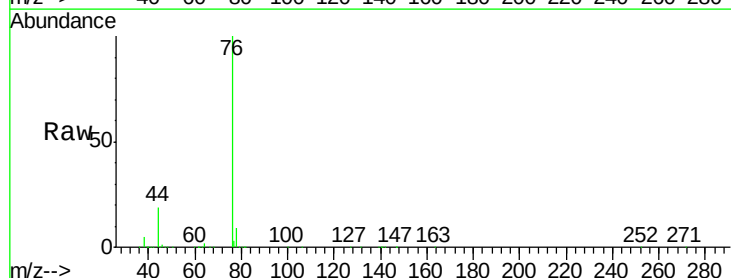
Acq: 21 Sep 2015 21:35

Tgt Ion: 76 Resp: 381455

Ion Ratio Lower Upper

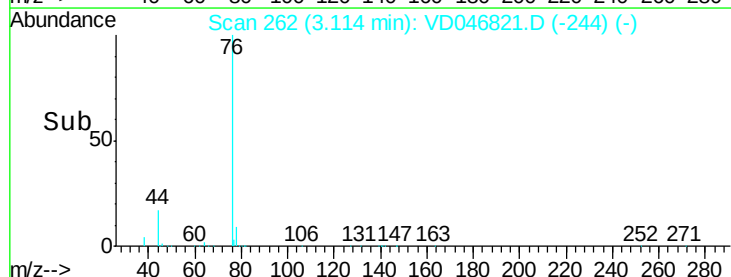
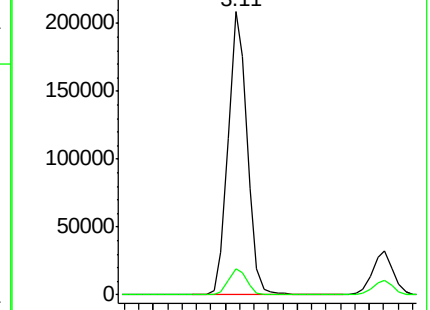
76 100

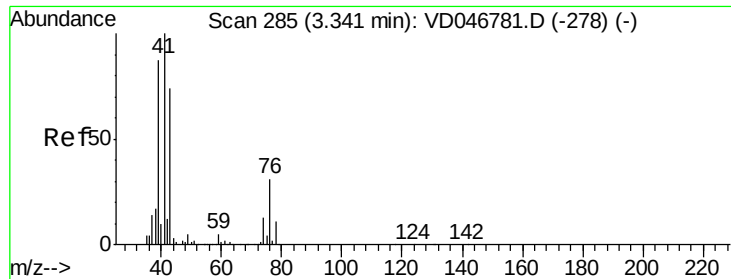
78 9.3 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

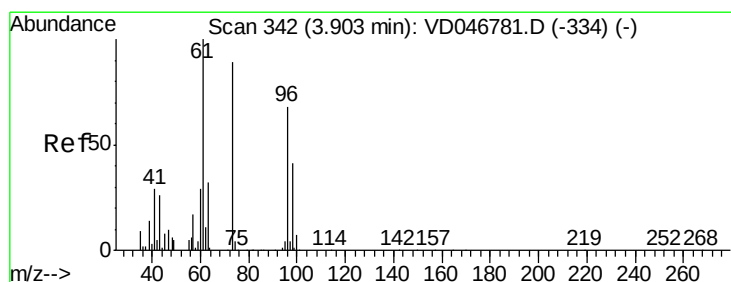
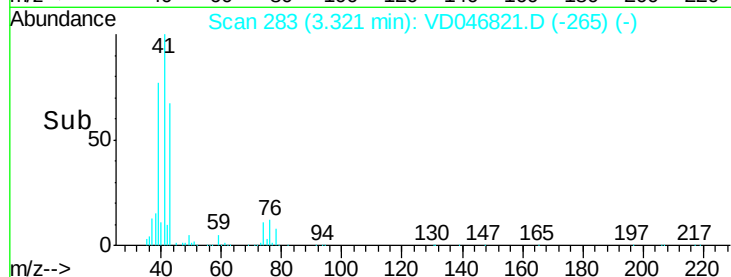
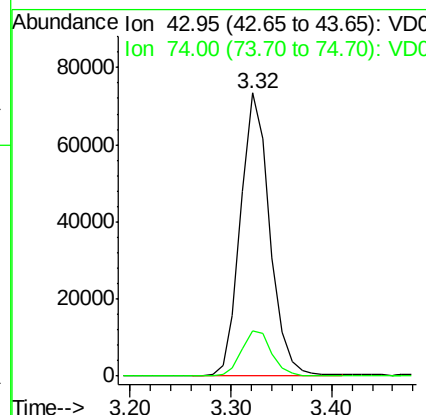
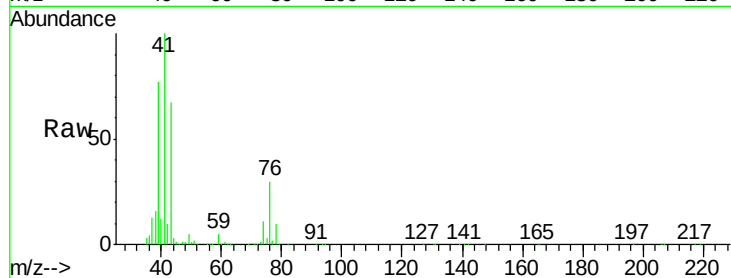




#19
Methyl Acetate
Concen: 56.48 ug/l
RT: 3.32 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

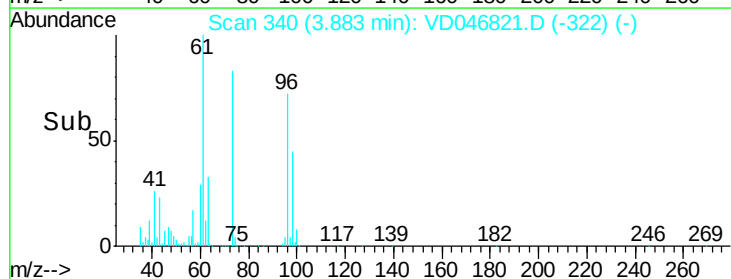
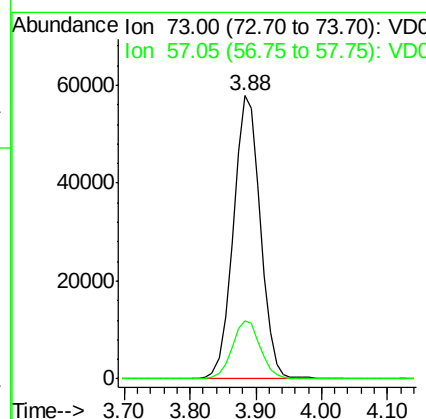
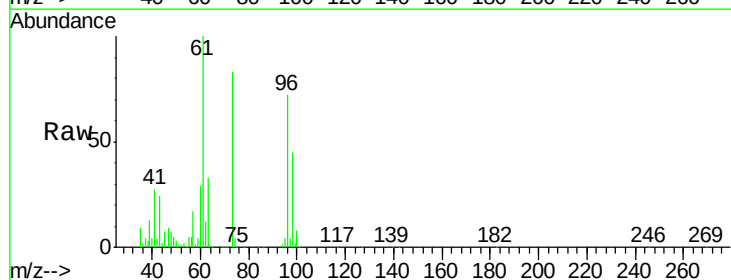
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

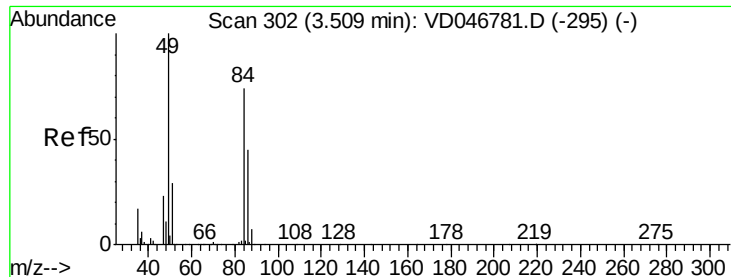
Tot Ion: 43 Resp: 148758
Ion Ratio Lower Upper
43 100
74 15.9 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 51.20 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 73 Resp: 166297
Ion Ratio Lower Upper
73 100
57 20.6 18.1 27.1

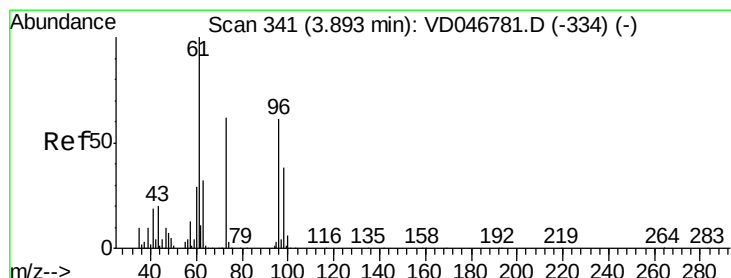
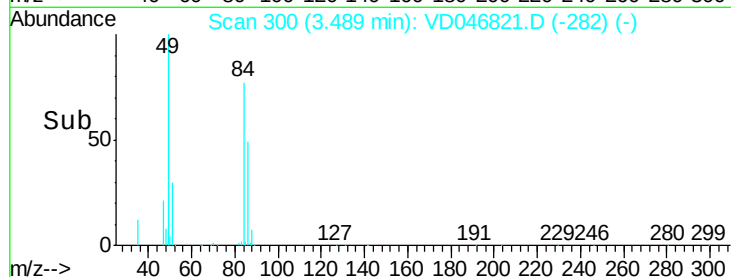
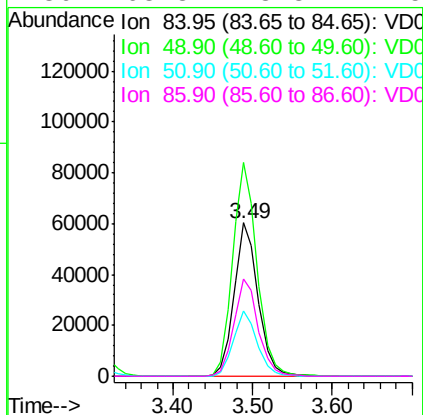
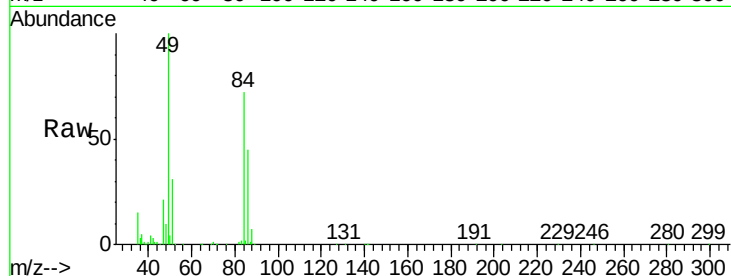




#21
Methylene Chloride
Concen: 51.34 ug/l
RT: 3.49 min Scan# 300
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

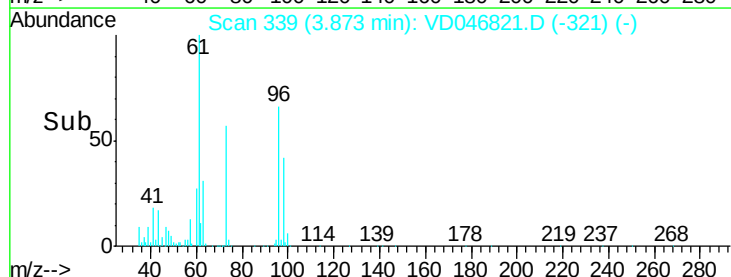
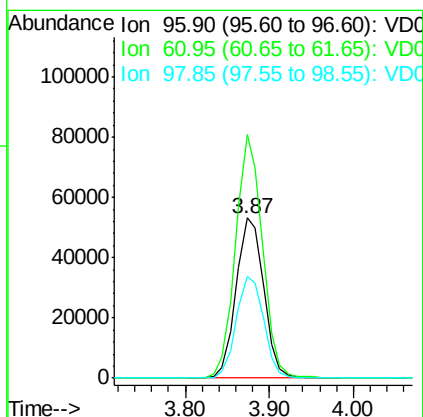
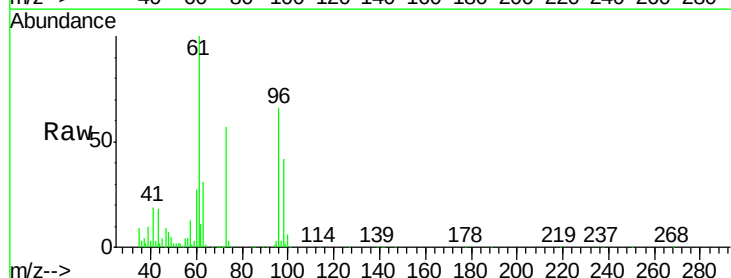
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

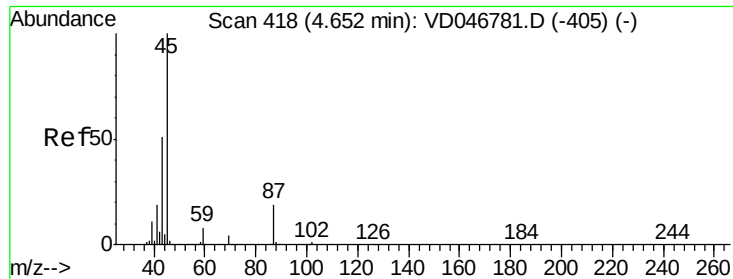
Tot Ion:	84	Resp:	126741
Ion	Ratio	Lower	Upper
84	100		
49	139.3	122.1	183.1
51	42.7	33.6	50.4
86	63.3	48.3	72.5



#22
trans-1,2-Dichloroethene
Concen: 52.16 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion:	96	Resp:	121954
Ion	Ratio	Lower	Upper
96	100		
61	151.8	125.8	188.6
98	63.7	54.5	81.7





#23

Diisopropyl ether

Concen: 58.68 ug/l

RT: 4.63 min Scan# 416

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 45 Resp: 410080

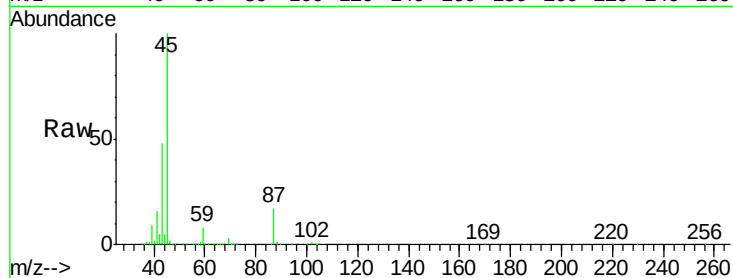
Ion Ratio Lower Upper

45 100

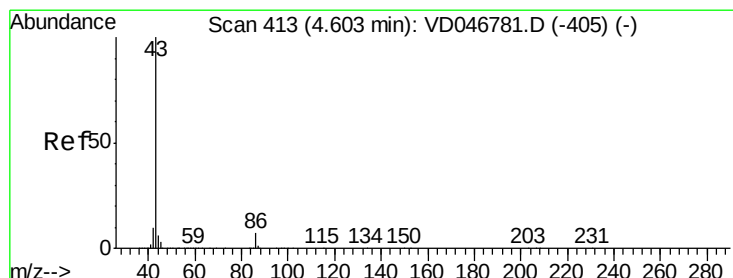
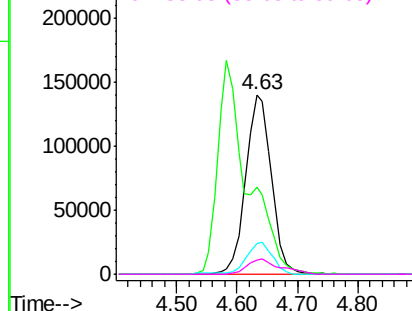
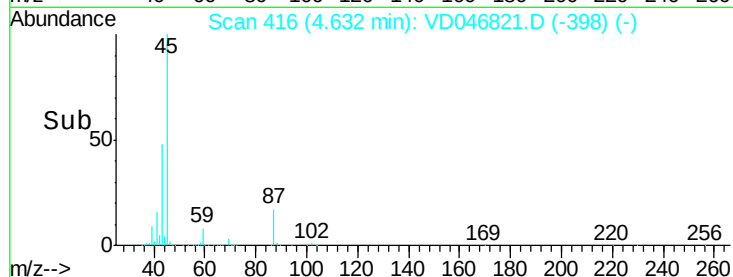
43 48.2 35.9 53.9

87 16.9 13.0 19.6

59 8.2 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: 346.03 ug/l

RT: 4.58 min Scan# 411

Delta R.T. -0.02 min

Lab File: VD046821.D

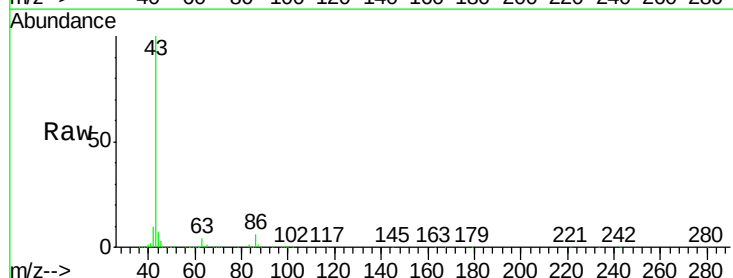
Acq: 21 Sep 2015 21:35

Tgt Ion: 43 Resp: 576858

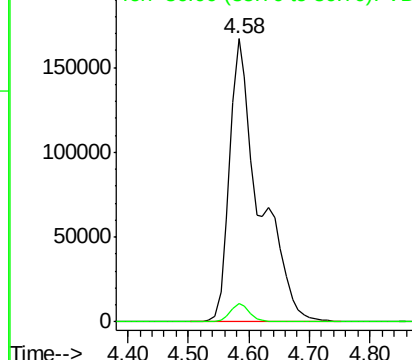
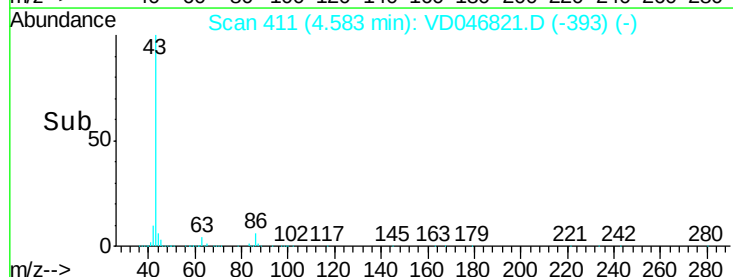
Ion Ratio Lower Upper

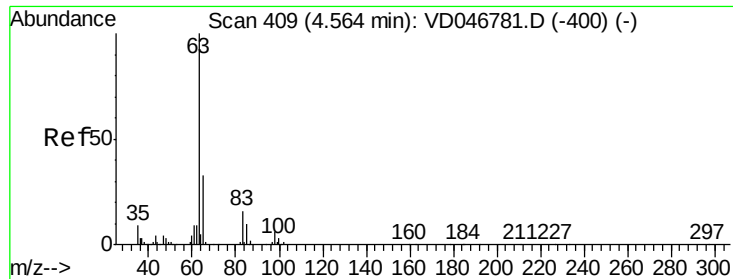
43 100

86 6.4 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: 51.83 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

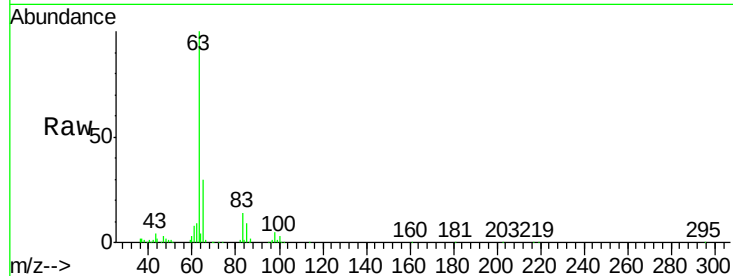
Tot Ion: 63 Resp: 223104

Ion Ratio Lower Upper

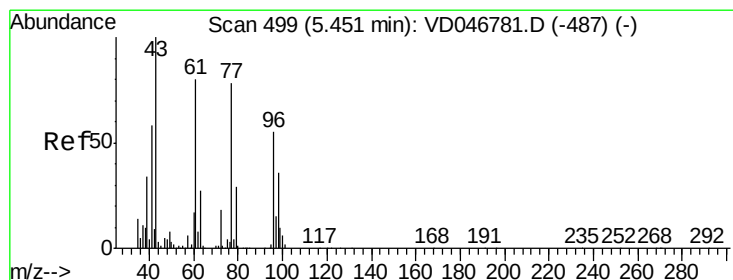
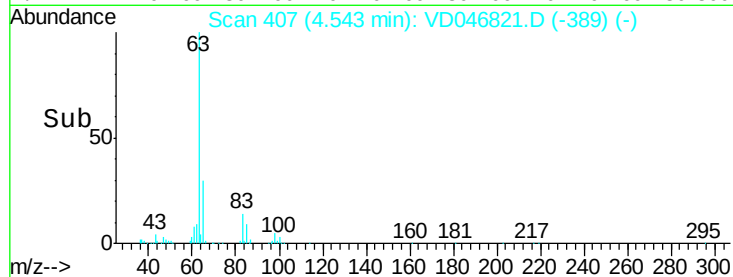
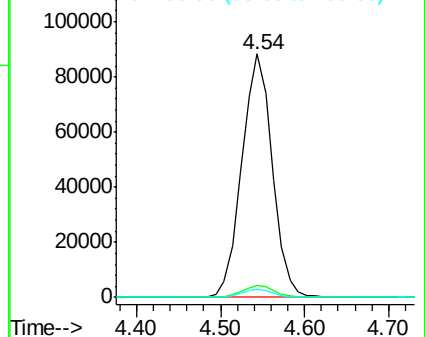
63 100

98 4.8 2.5 7.5

100 3.5 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: 272.41 ug/l

RT: 5.43 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD046821.D

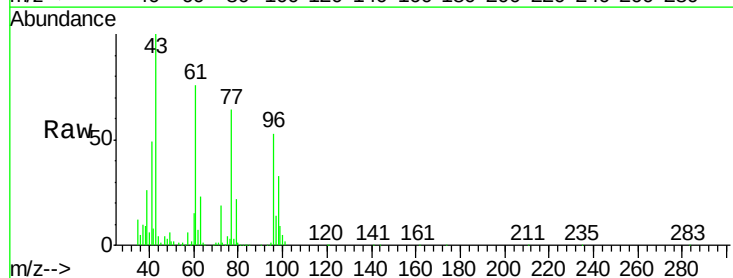
Acq: 21 Sep 2015 21:35

Tgt Ion: 43 Resp: 139187

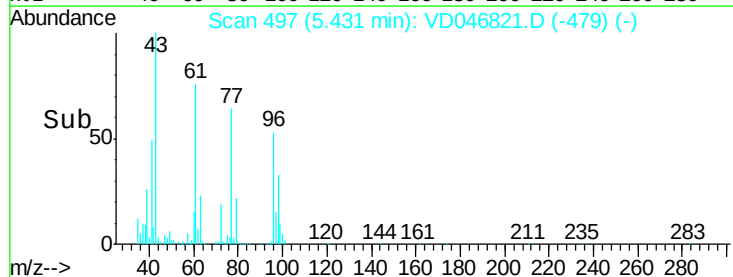
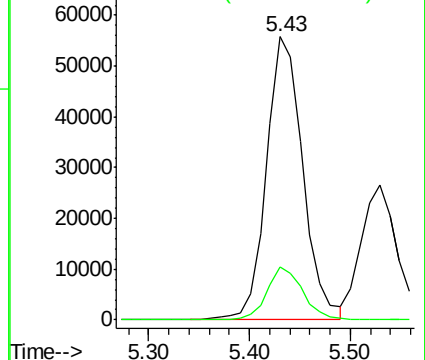
Ion Ratio Lower Upper

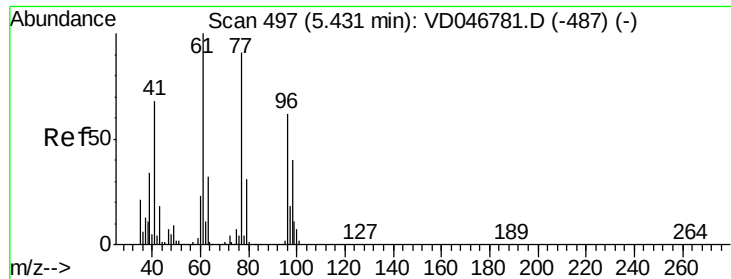
43 100

72 18.6 13.4 20.0



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

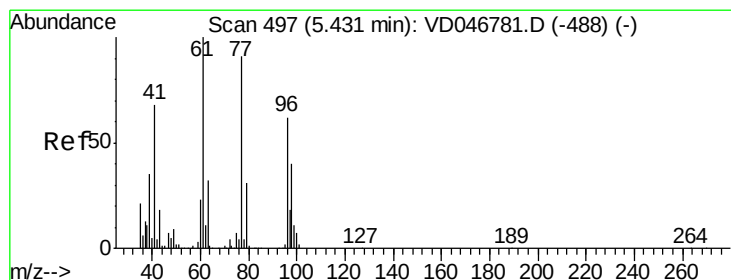
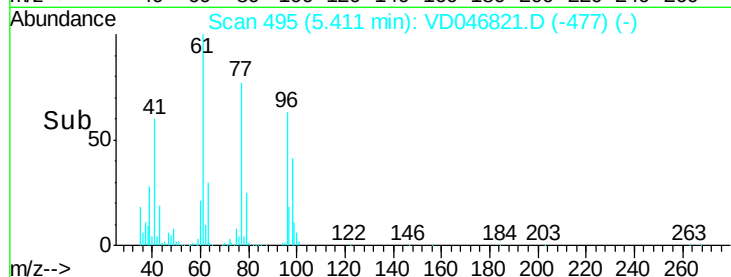
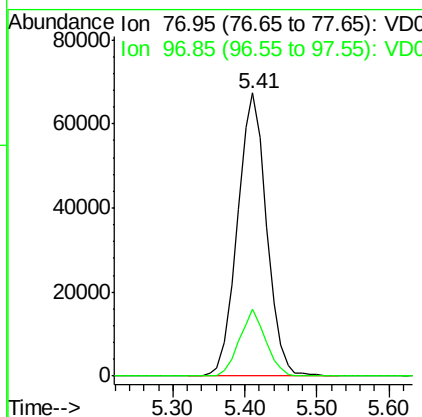
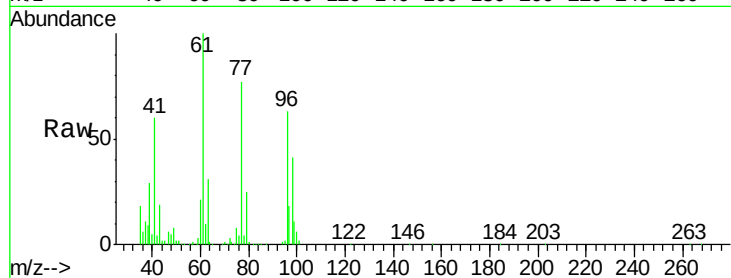




#27
 2,2-Dichloropropane
 Concen: 42.91 ug/l
 RT: 5.41 min Scan# 495
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

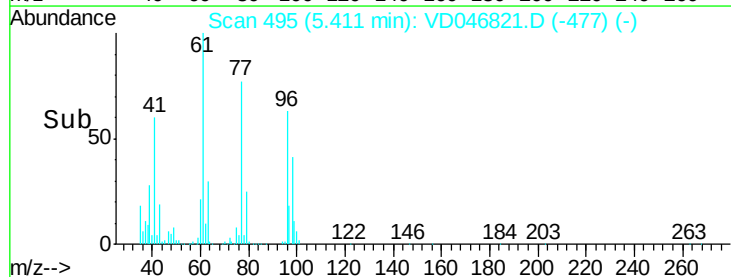
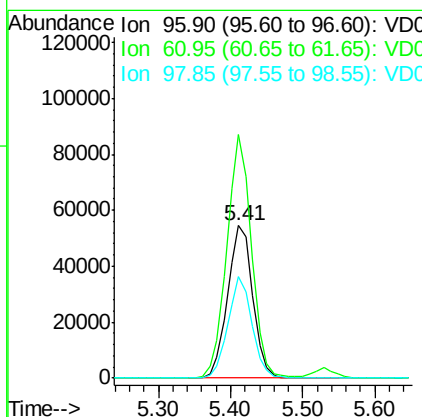
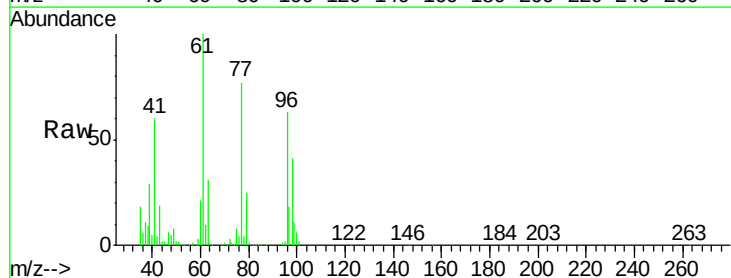
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

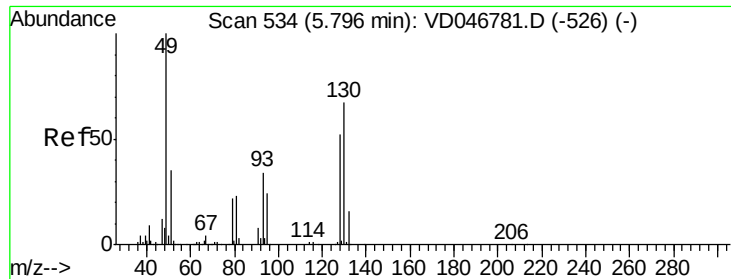
Tot Ion: 77 Resp: 189785
 Ion Ratio Lower Upper
 77 100
 97 23.5 10.4 31.1



#28
 cis-1,2-Dichloroethene
 Concen: 54.31 ug/l
 RT: 5.41 min Scan# 495
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion: 96 Resp: 132198
 Ion Ratio Lower Upper
 96 100
 61 159.9 0.0 348.0
 98 66.3 0.0 128.8





#29

Bromochloromethane

Concen: 55.08 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

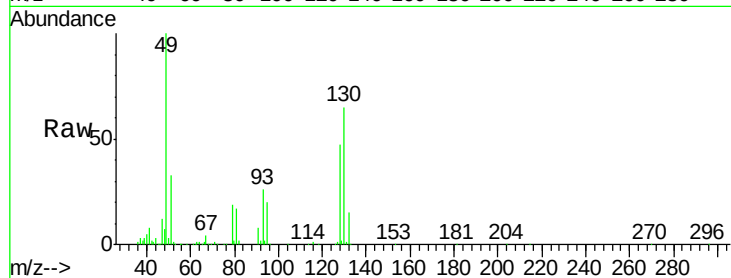
Tot Ion: 49 Resp: 93424

Ion Ratio Lower Upper

49 100

129 2.1 0.0 2.8

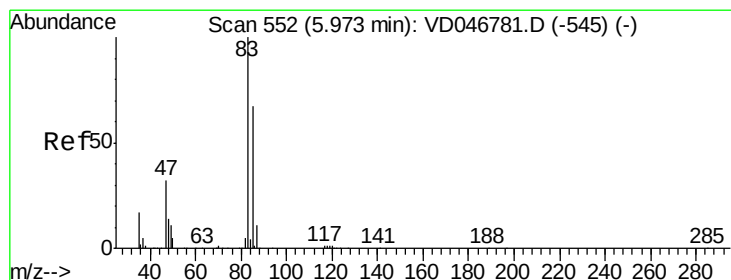
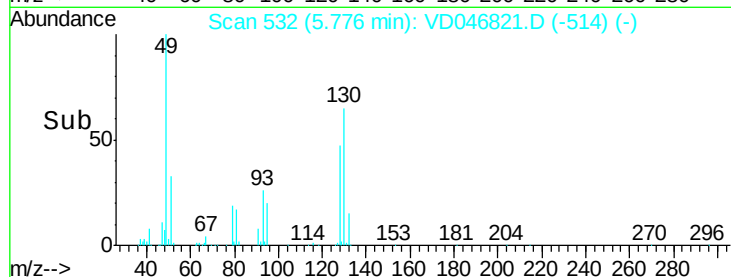
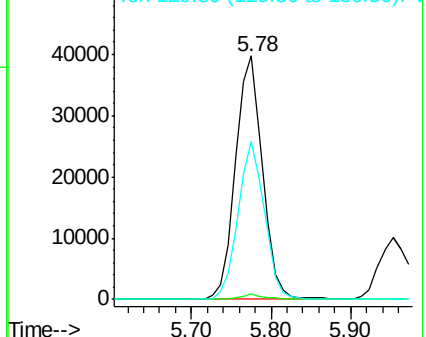
130 65.0 50.2 75.4



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#30

Chloroform

Concen: 46.99 ug/l

RT: 5.95 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD046821.D

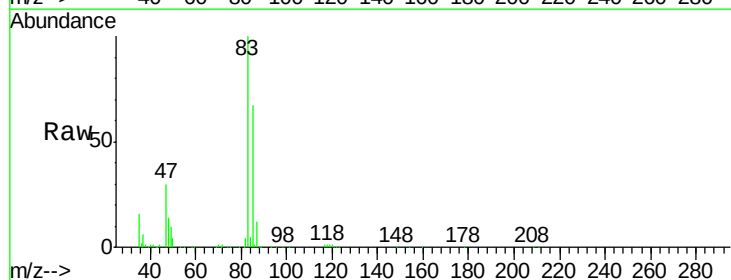
Acq: 21 Sep 2015 21:35

Tgt Ion: 83 Resp: 245372

Ion Ratio Lower Upper

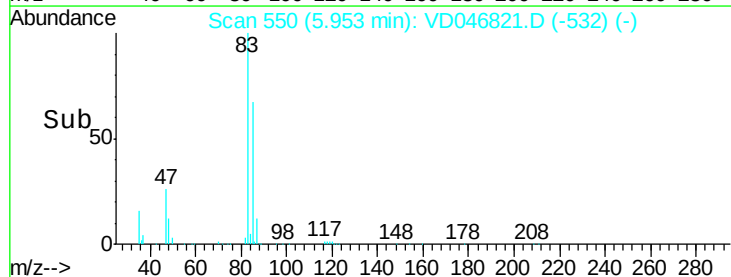
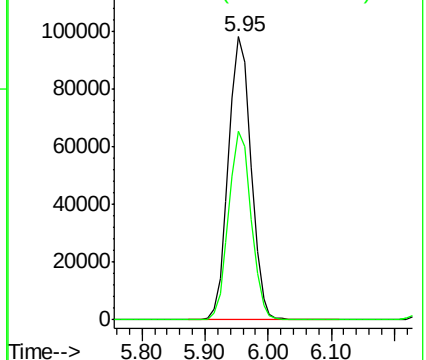
83 100

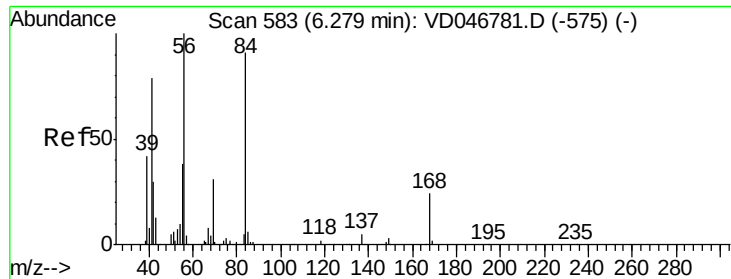
85 66.7 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

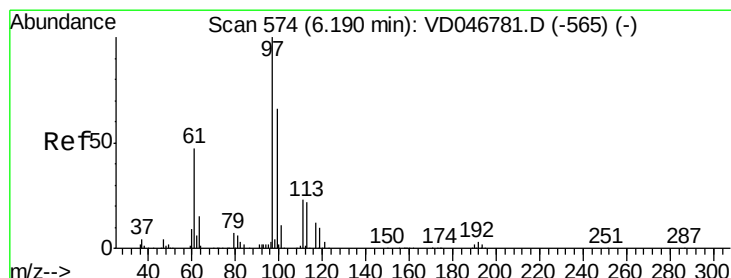
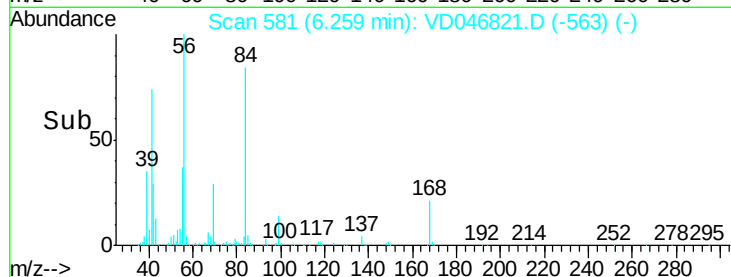
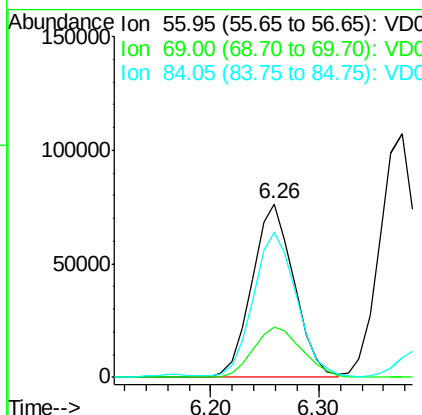
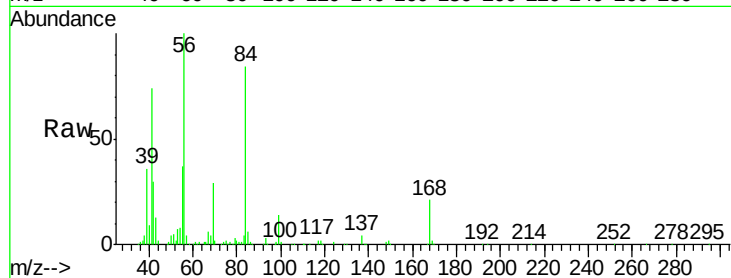




#31
Cyclohexane
Concen: 51.15 ug/l
RT: 6.26 min Scan# 581
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

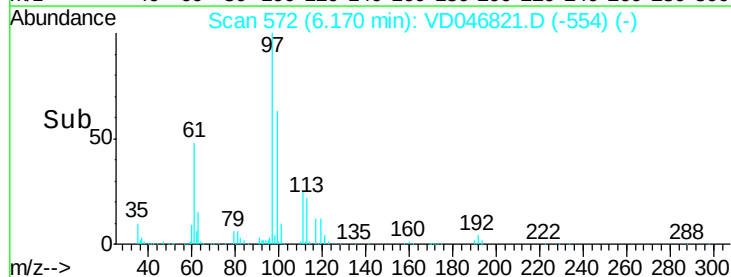
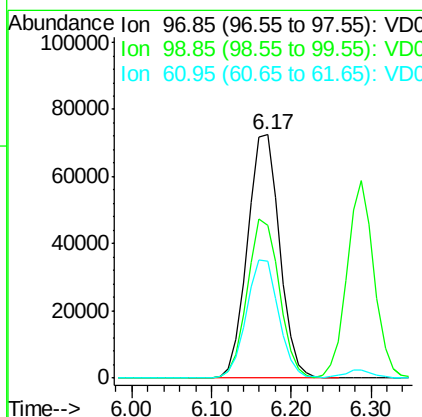
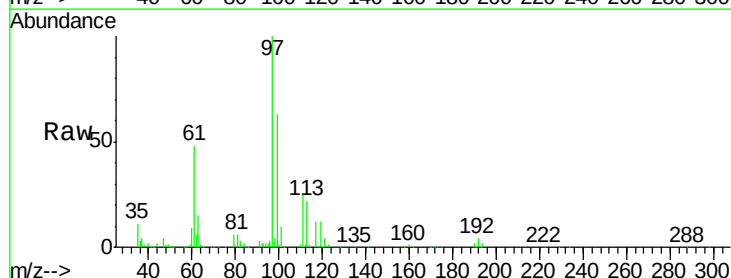
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

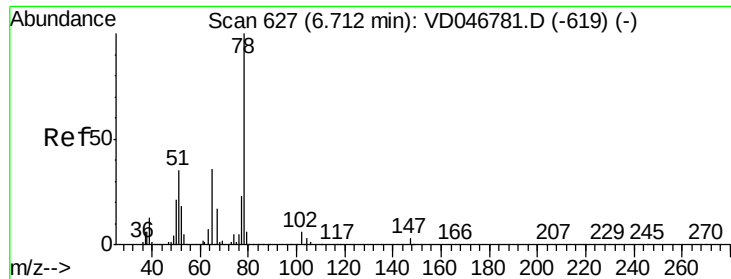
Tot Ion	56	Resp	206592
Ion Ratio	Lower	Upper	
56	100		
69	29.3	23.4	35.0
84	83.8	63.8	95.8



#32
1,1,1-Trichloroethane
Concen: 43.37 ug/l
RT: 6.17 min Scan# 572
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion	97	Resp	201623
Ion Ratio	Lower	Upper	
97	100		
99	62.5	50.2	75.4
61	47.9	38.6	57.8

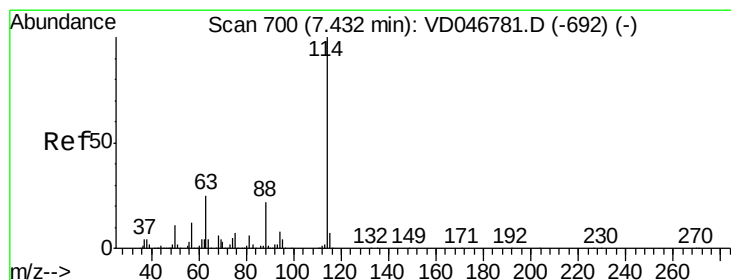
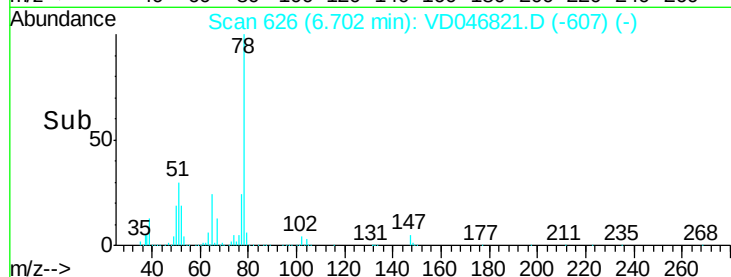
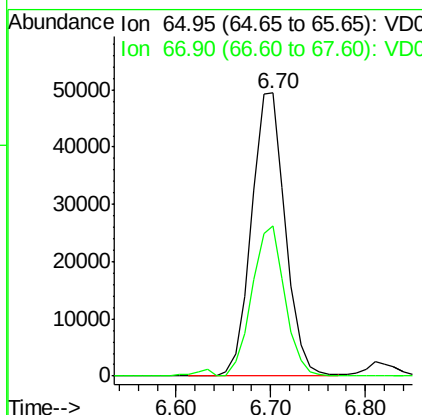
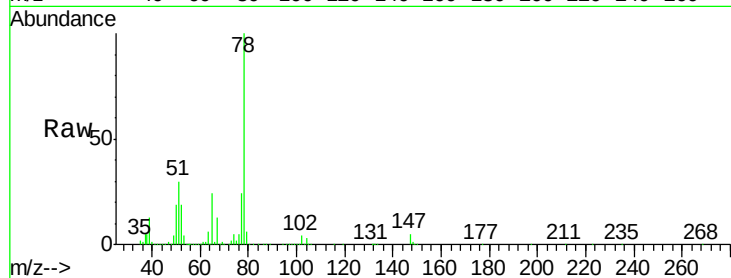




#33
 1,2-Dichloroethane-d4
 Concen: 43.37 ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

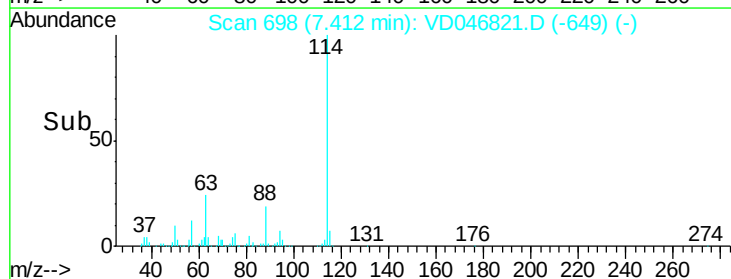
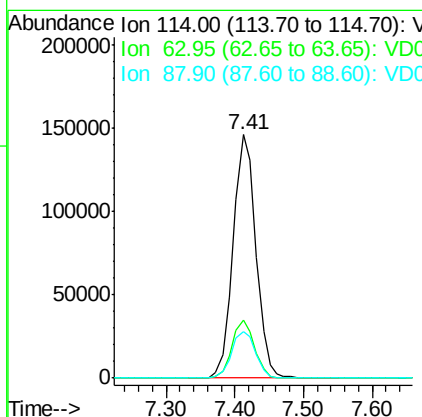
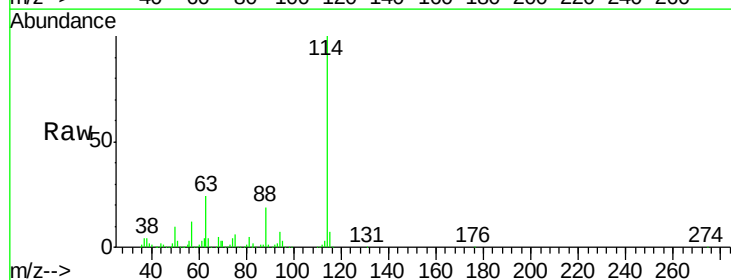
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

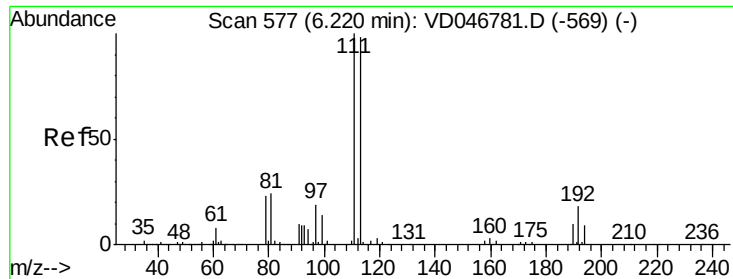
Tot Ion: 65 Resp: 122626
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.41 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion: 114 Resp: 333257
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.8
 88 19.1 0.0 43.6

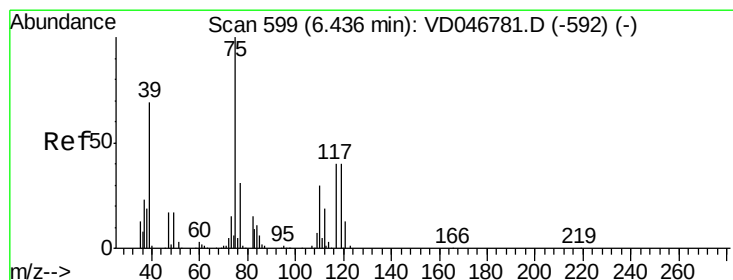
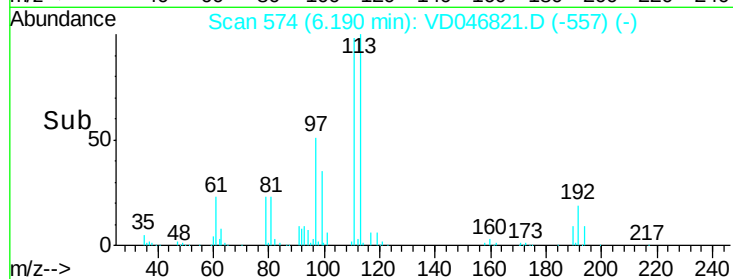
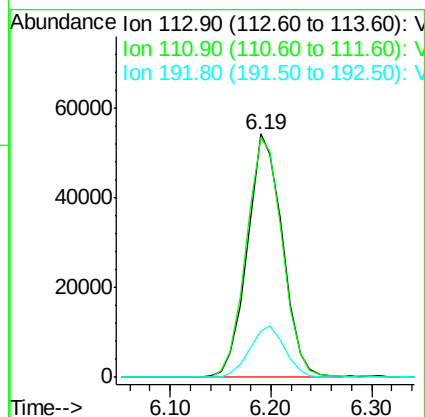
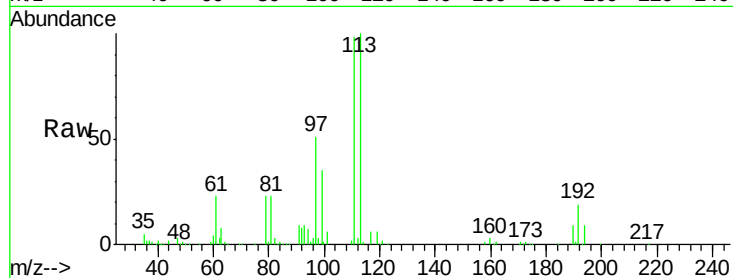




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 574
 Delta R.T. -0.03 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

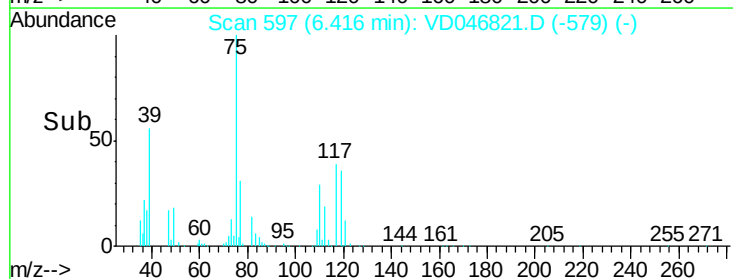
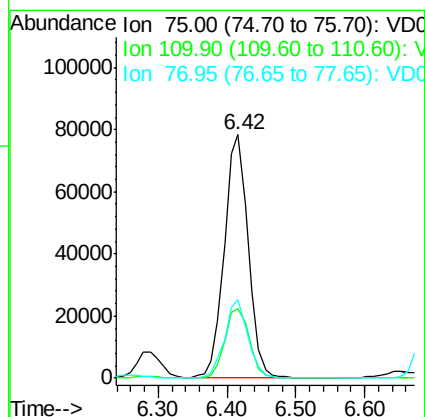
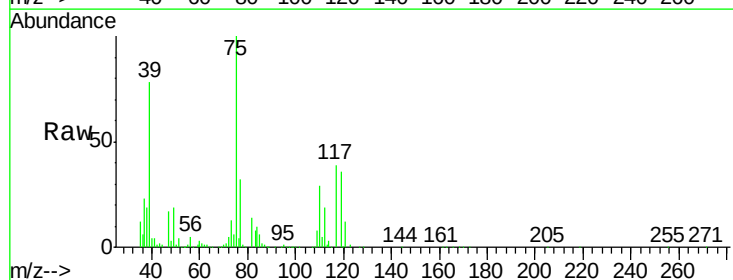
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

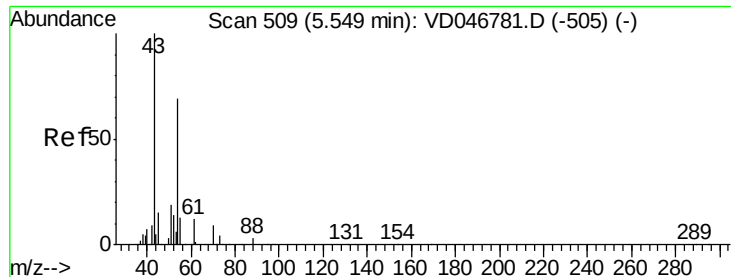
Tot Ion:113 Resp: 131587
 Ion Ratio Lower Upper
 113 100
 111 98.2 79.4 119.0
 192 19.3 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 48.06 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion: 75 Resp: 187177
 Ion Ratio Lower Upper
 75 100
 110 28.5 13.7 41.0
 77 32.1 24.7 37.1

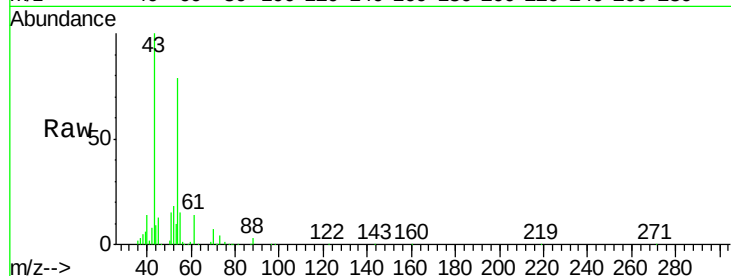




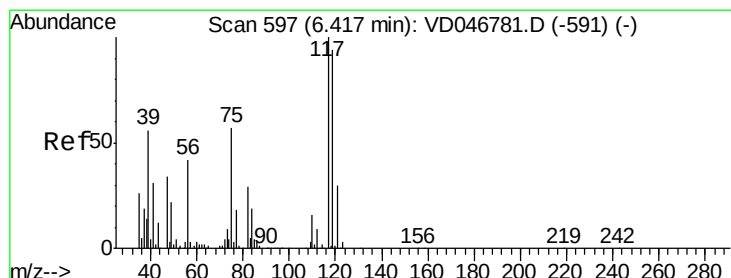
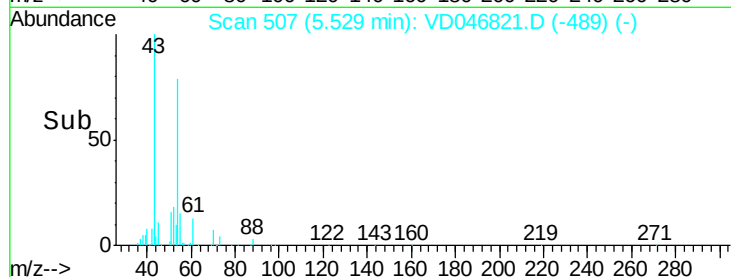
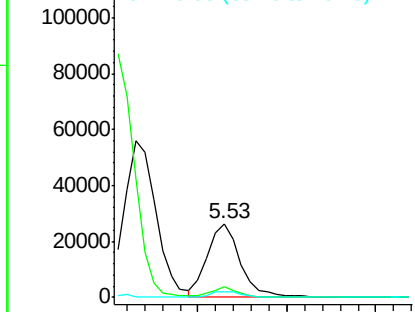
#37
Ethyl Acetate
Concen: 53.62 ug/l
RT: 5.53 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 67082
Ion Ratio Lower Upper
43 100
61 13.9 9.4 14.2
70 7.2 6.0 9.0

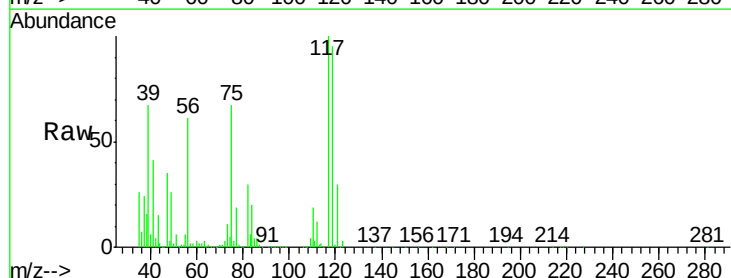


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

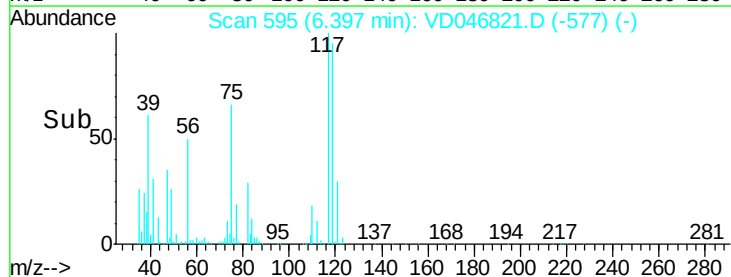
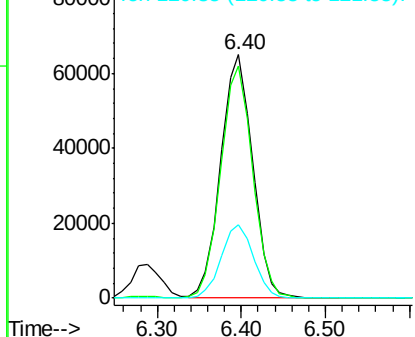


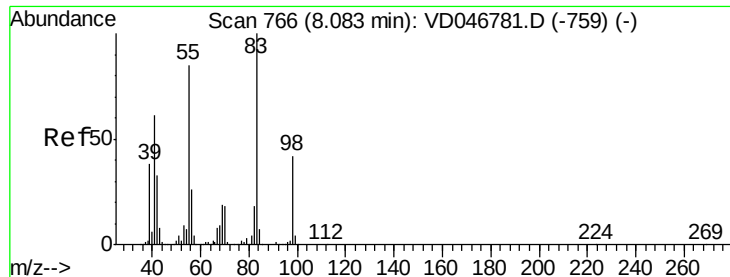
#38
Carbon Tetrachloride
Concen: 42.26 ug/l
RT: 6.40 min Scan# 595
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 117 Resp: 171049
Ion Ratio Lower Upper
117 100
119 95.4 76.2 114.4
121 30.2 24.5 36.7



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

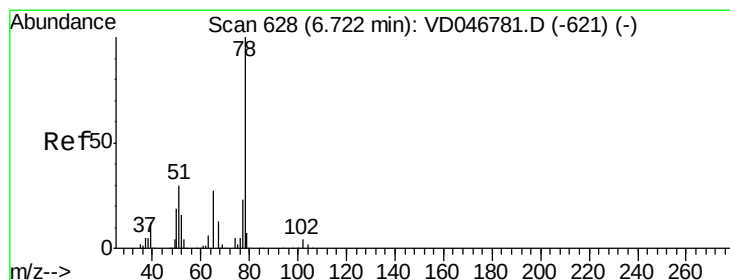
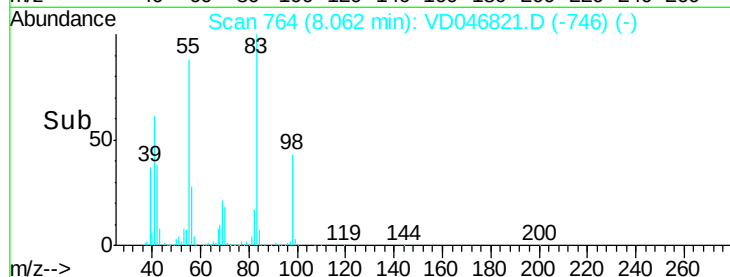
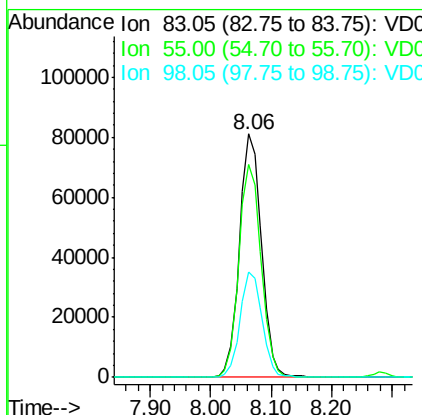
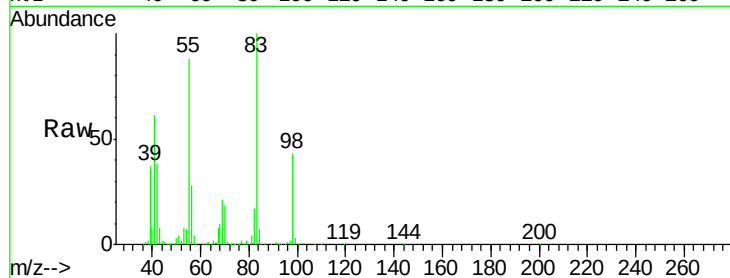




#39
Methylvlcyclohexane
Concen: 52.12 ug/l
RT: 8.06 min Scan# 764
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

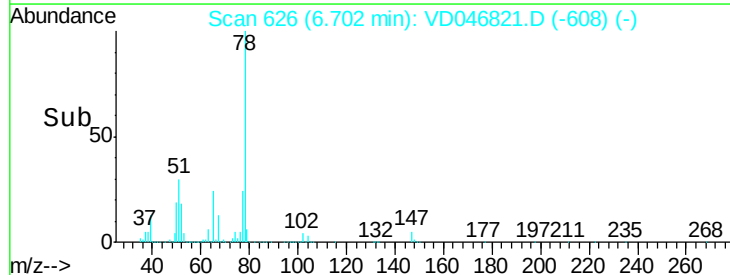
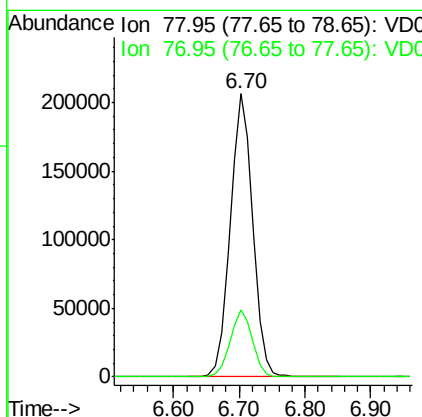
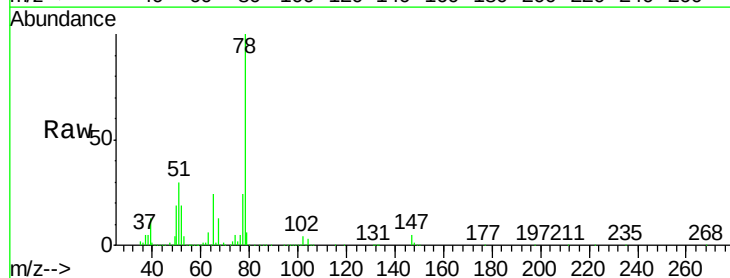
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

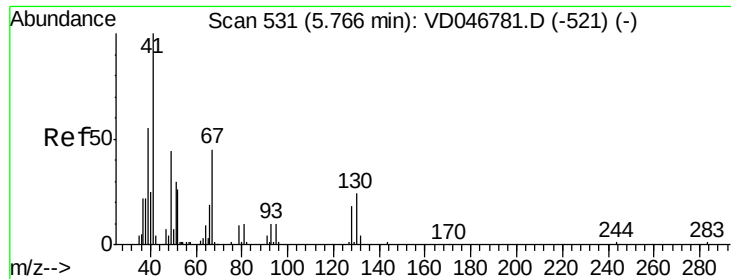
Tot Ion: 83 Resp: 205674
Ion Ratio Lower Upper
83 100
55 87.6 71.1 106.7
98 43.1 34.6 51.8



#40
Benzene
Concen: 49.71 ug/l
RT: 6.70 min Scan# 626
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 78 Resp: 494221
Ion Ratio Lower Upper
78 100
77 23.6 19.9 29.9

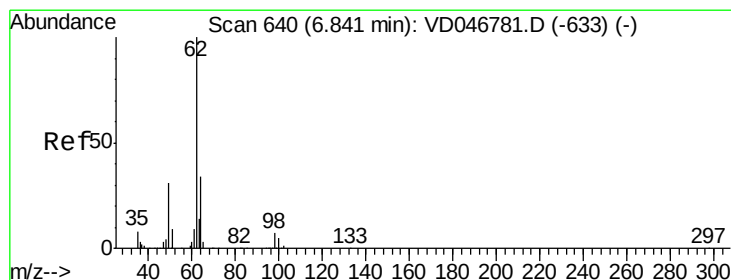
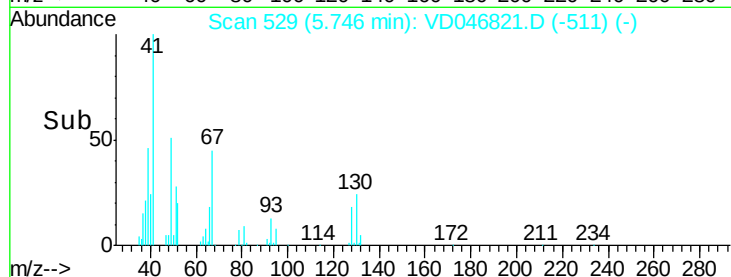
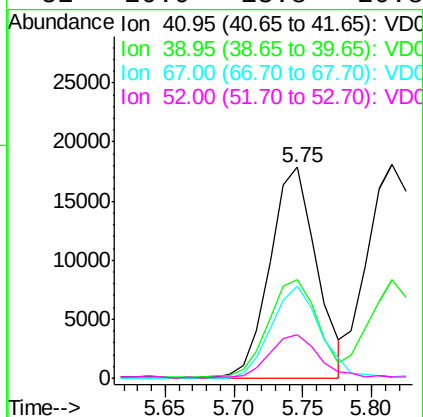
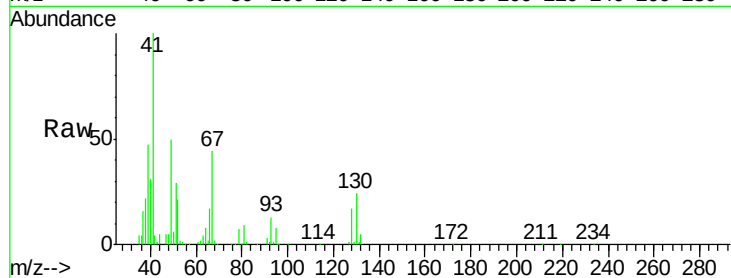




#41
Methacrylonitrile
Concen: 60.05 ug/l
RT: 5.75 min Scan# 529
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

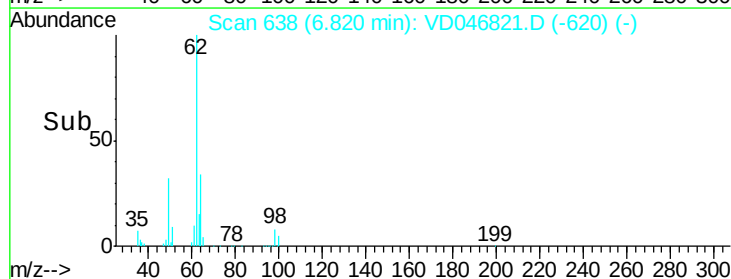
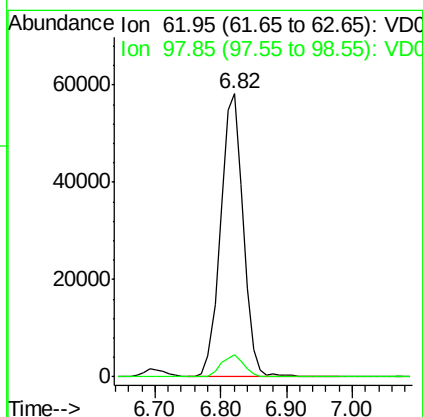
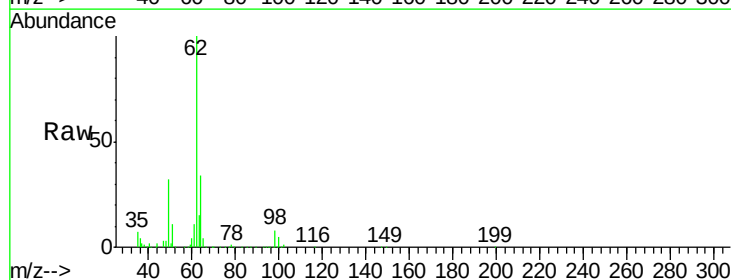
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

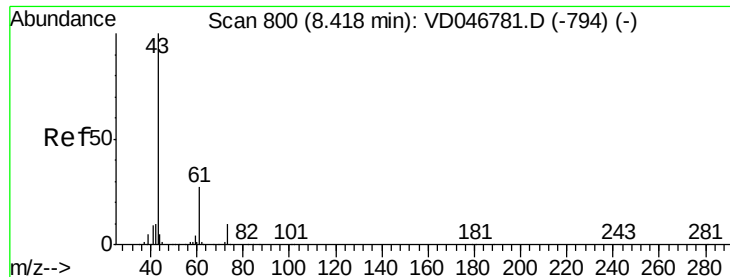
Tot Ion:	41	Resp:	42139
Ion	Ratio	Lower	Upper
41	100		
39	46.9	40.2	60.4
67	43.8	32.0	48.0
52	20.9	13.8	20.8#



#42
1,2-Dichloroethane
Concen: 45.23 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion:	62	Resp:	139664
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.2





#43

Isopropyl Acetate

Concen: 56.43 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

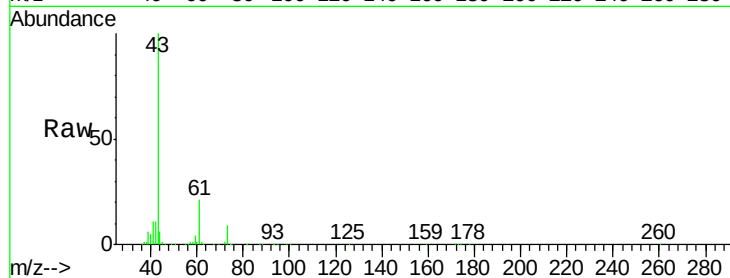
Tot Ion: 43 Resp: 93067

Ion Ratio Lower Upper

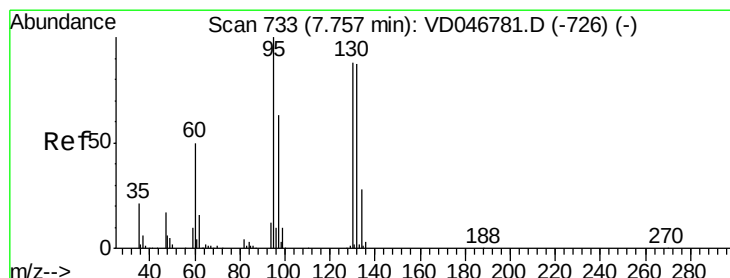
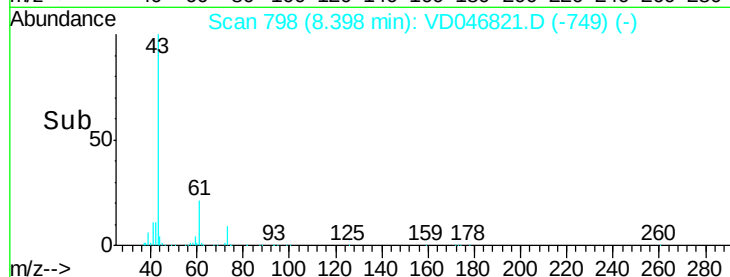
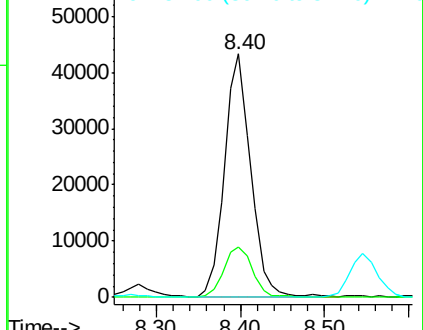
43 100

61 20.9 19.5 29.3

87 0.2 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: 49.89 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.03 min

Lab File: VD046821.D

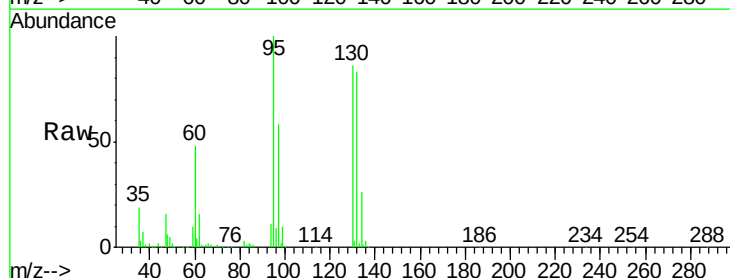
Acq: 21 Sep 2015 21:35

Tgt Ion: 130 Resp: 124175

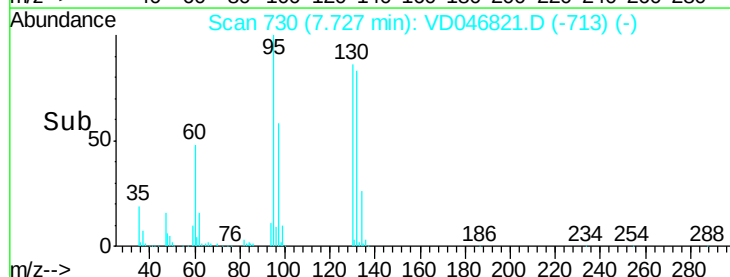
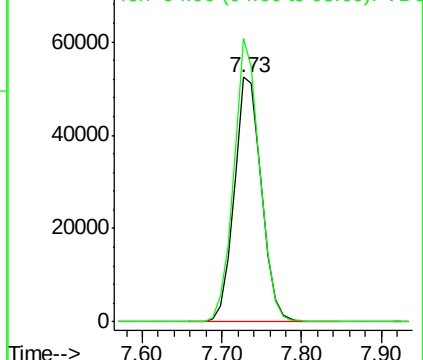
Ion Ratio Lower Upper

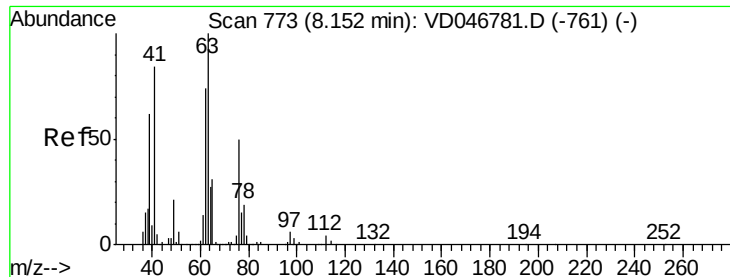
130 100

95 115.8 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: 50.35 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

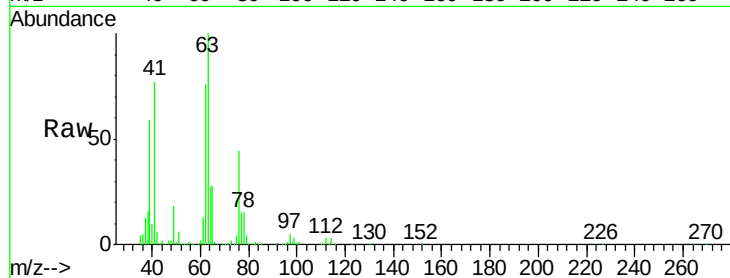
VSTDCCC050EC

Tot Ion: 63 Resp: 124023

Ion Ratio Lower Upper

63 100

65 27.8 25.1 37.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.13

50000

40000

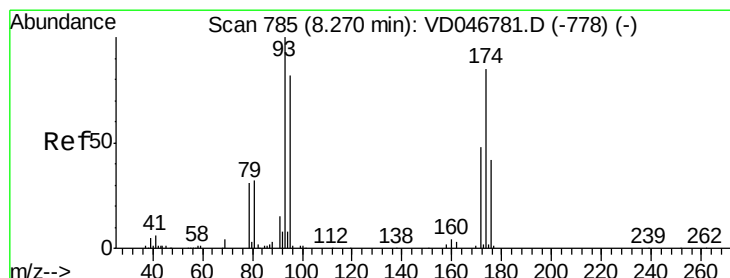
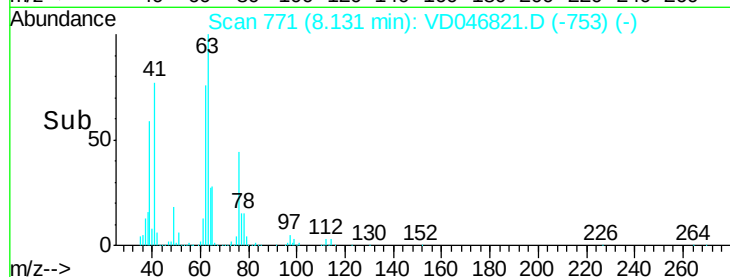
30000

20000

10000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 47.16 ug/l

RT: 8.25 min Scan# 783

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

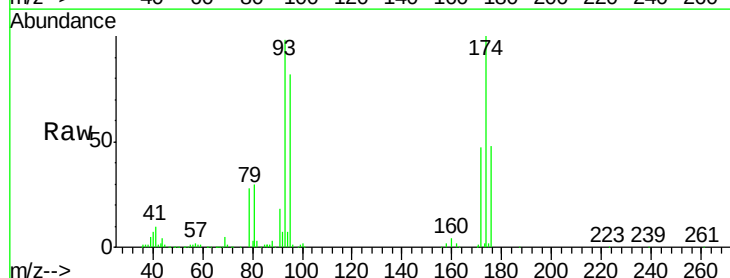
Tgt Ion: 93 Resp: 65953

Ion Ratio Lower Upper

93 100

95 83.3 70.2 105.2

174 101.6 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

8.25

40000

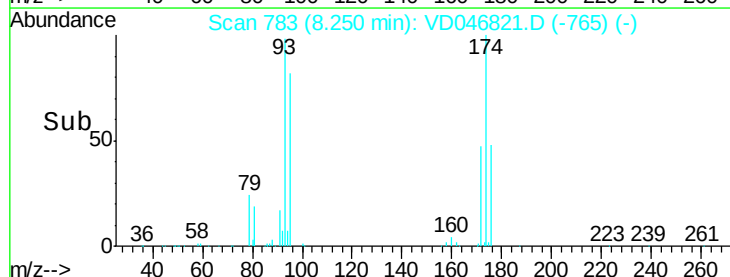
30000

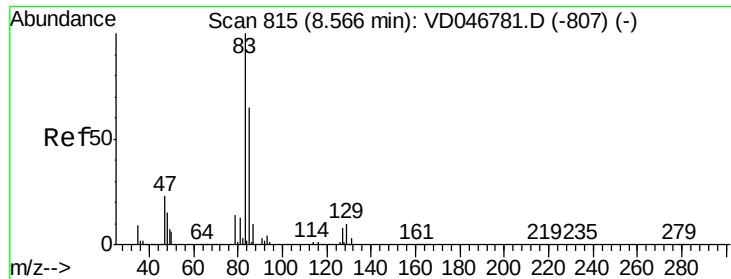
20000

10000

0

Time--> 8.10 8.20 8.30 8.40

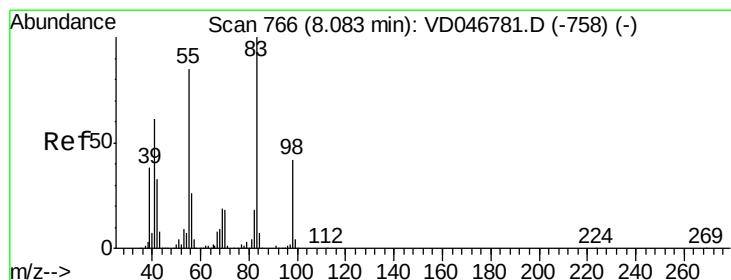
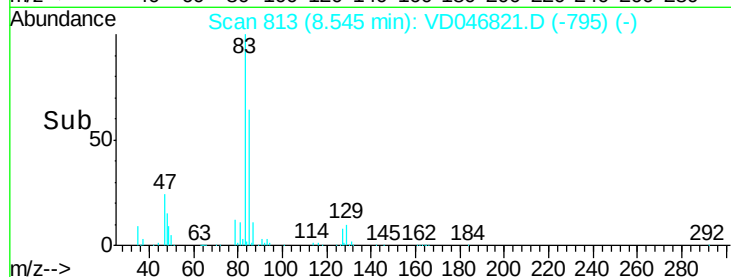
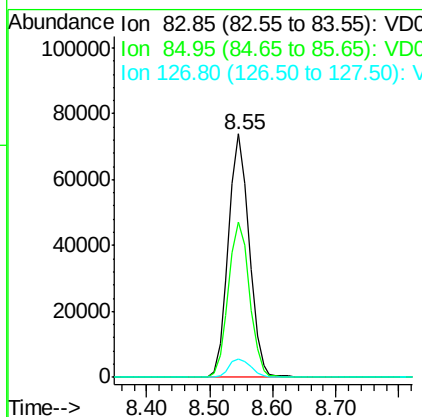
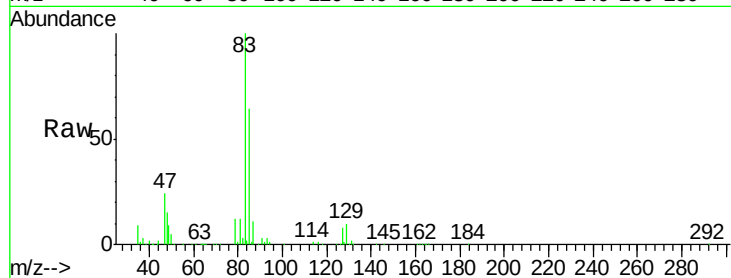




#47
Bromodichloromethane
Concen: 45.95 ug/l
RT: 8.55 min Scan# 813
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

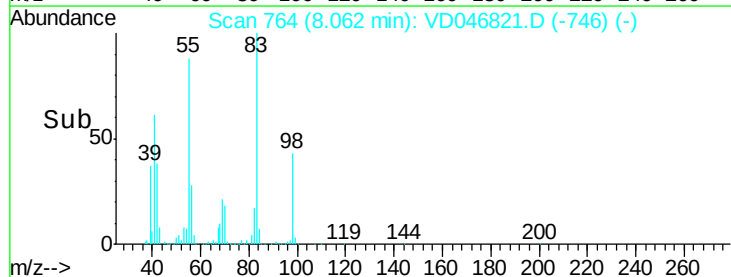
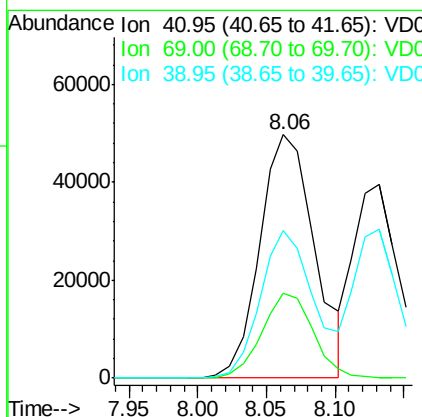
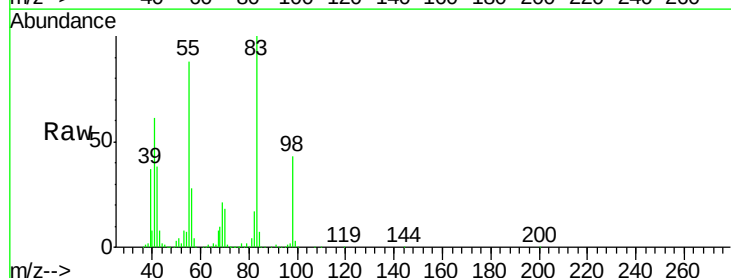
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

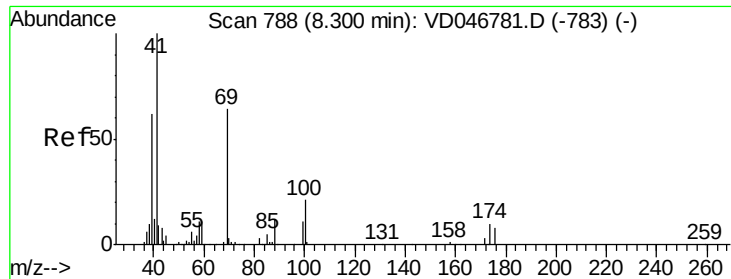
Tot Ion: 83 Resp: 168662
Ion Ratio Lower Upper
83 100
85 63.9 52.6 78.8
127 7.8 5.7 8.5



#48
Methyl methacrylate
Concen: 54.45 ug/l
RT: 8.06 min Scan# 764
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 41 Resp: 137284
Ion Ratio Lower Upper
41 100
69 34.8 25.3 37.9
39 60.6 47.4 71.0

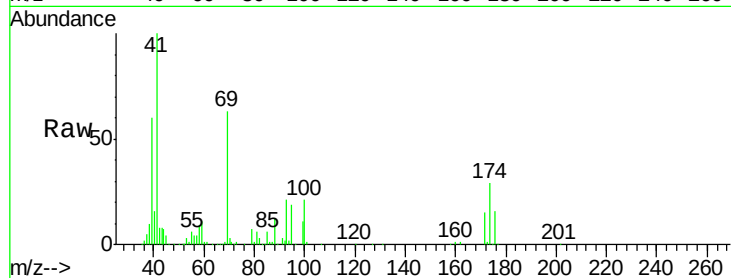




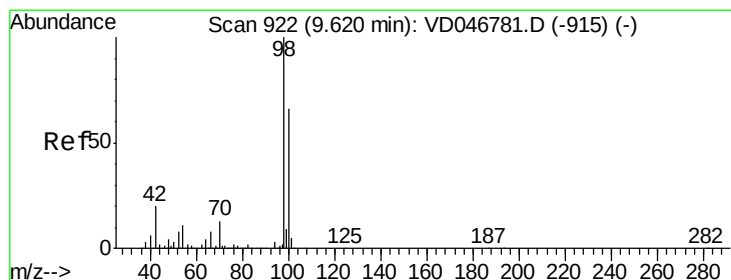
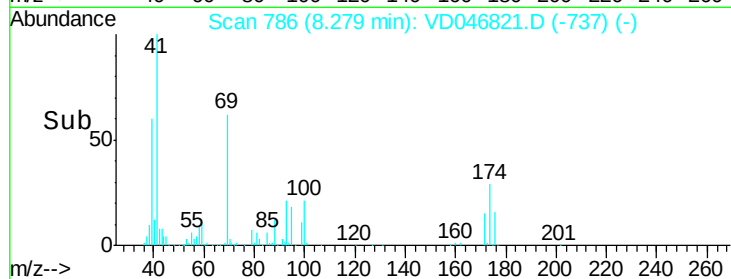
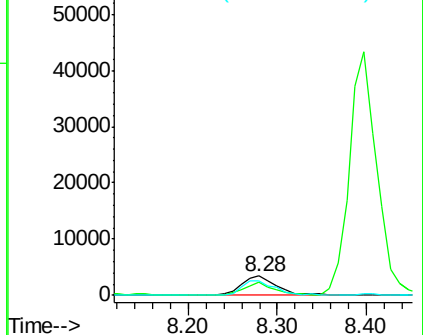
#49
 1,4-Dioxane
 Concen: 1022.23 ug/l
 RT: 8.28 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 9534
 Ion Ratio Lower Upper
 88 100
 43 68.5 50.0 75.0
 58 73.5 48.3 72.5#

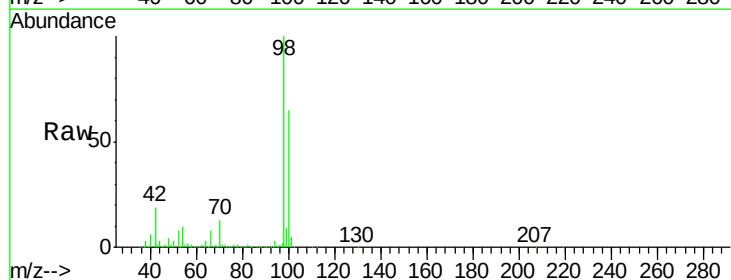


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

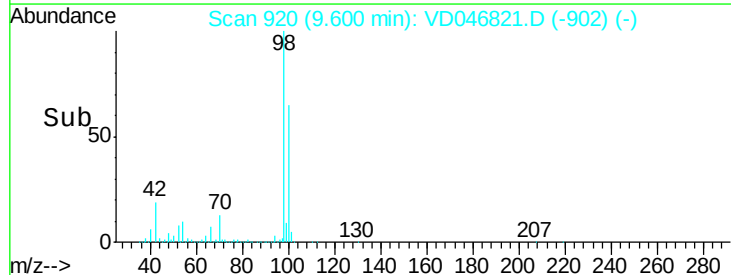
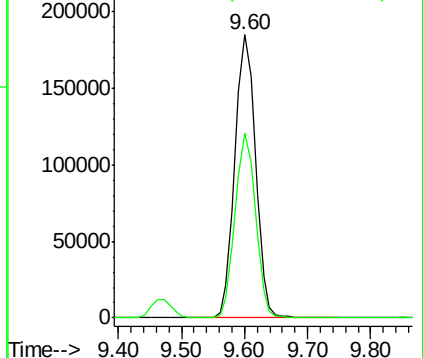


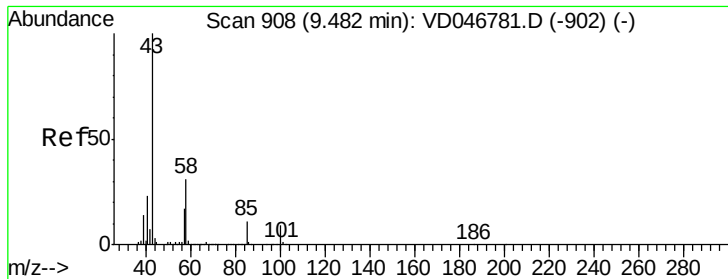
#50
 Toluene-d8
 Concen: 1022.23 ug/l
 RT: 9.60 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion: 98 Resp: 419331
 Ion Ratio Lower Upper
 98 100
 100 65.4 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: 277.76 ug/l

RT: 9.46 min Scan# 906

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

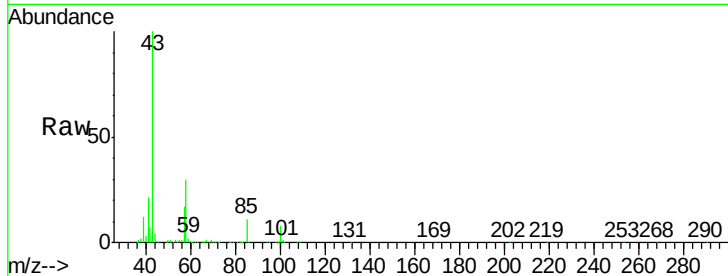
VSTDCCC050EC

Tot Ion: 43 Resp: 330981

Ion Ratio Lower Upper

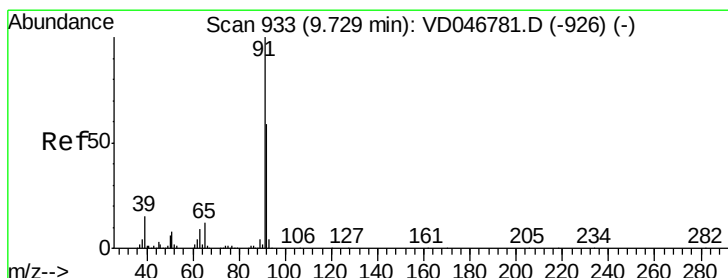
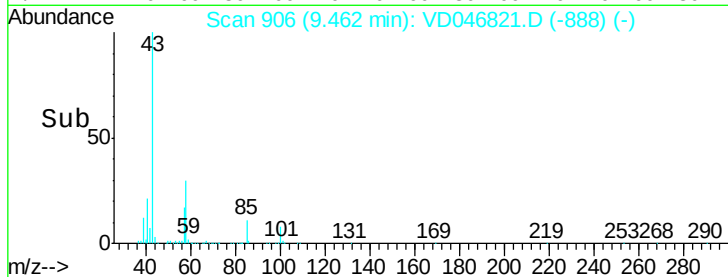
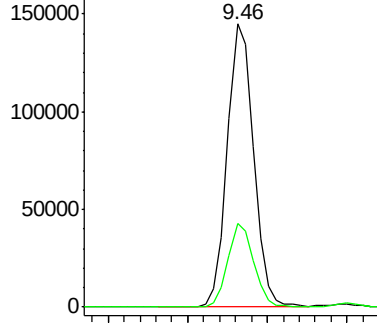
43 100

58 29.7 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: 47.93 ug/l

RT: 9.70 min Scan# 930

Delta R.T. -0.03 min

Lab File: VD046821.D

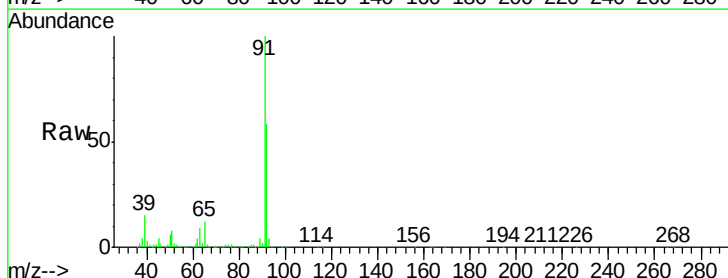
Acq: 21 Sep 2015 21:35

Tgt Ion: 92 Resp: 293935

Ion Ratio Lower Upper

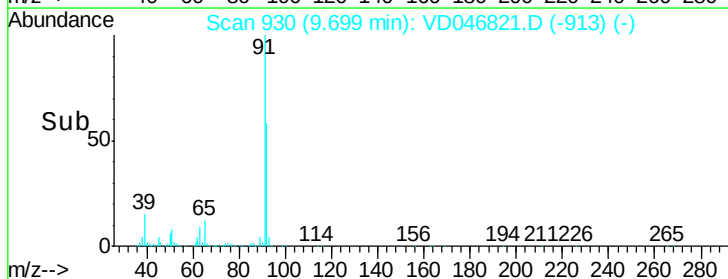
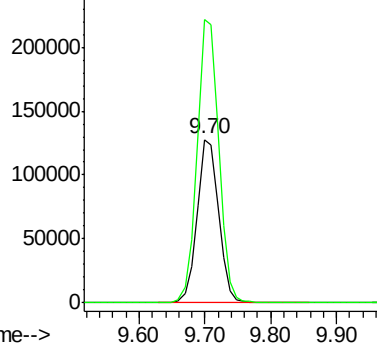
92 100

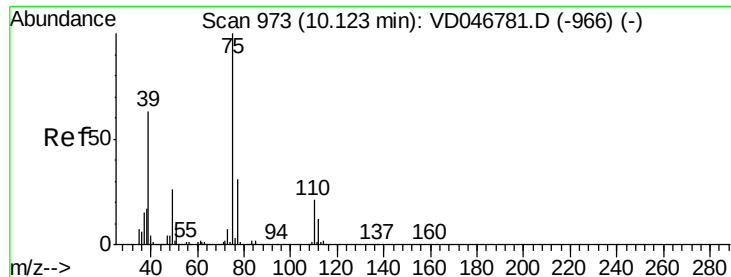
91 173.2 139.4 209.0



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: 48.60 ug/l

RT: 10.10 min Scan# 971

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

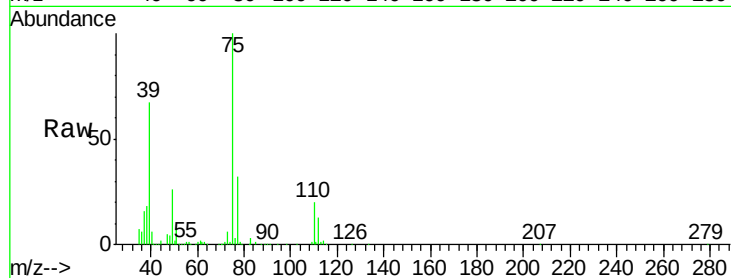
VSTDCCC050EC

Tot Ion: 75 Resp: 131727

Ion Ratio Lower Upper

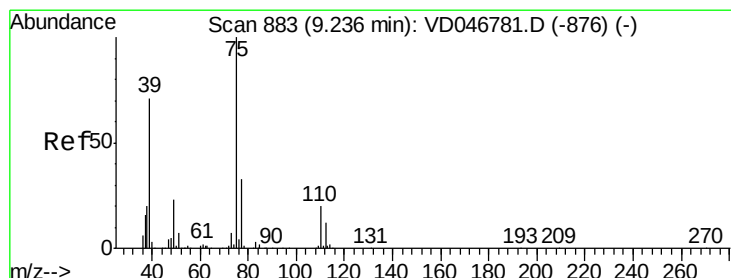
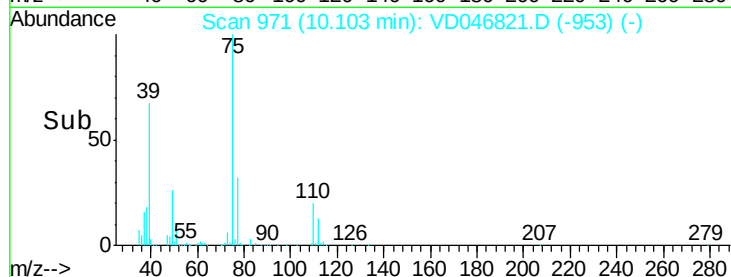
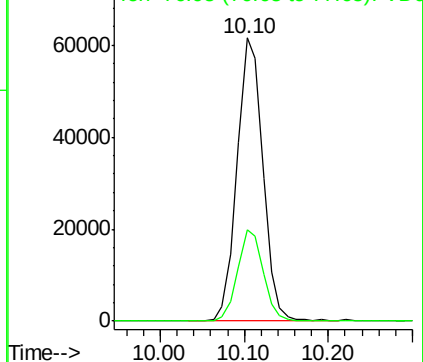
75 100

77 32.1 27.6 41.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 49.20 ug/l

RT: 9.22 min Scan# 881

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

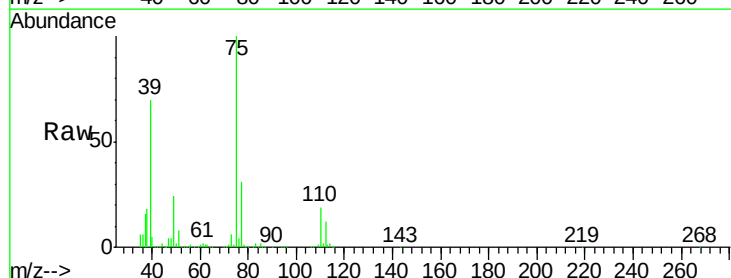
Tgt Ion: 75 Resp: 171734

Ion Ratio Lower Upper

75 100

77 31.3 23.8 35.6

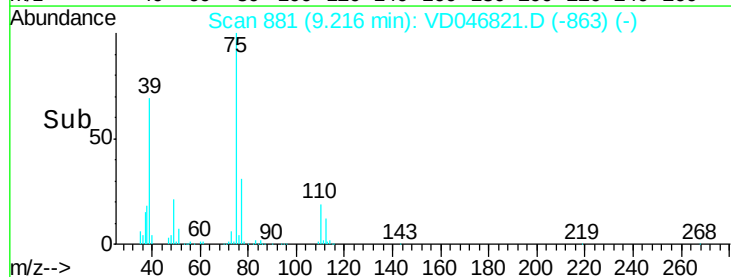
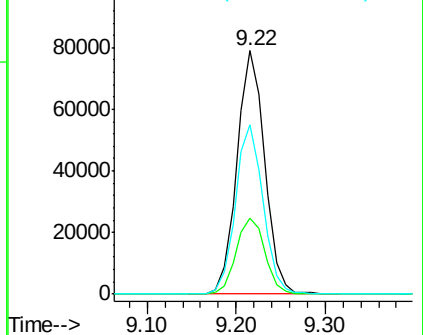
39 69.7 53.0 79.6

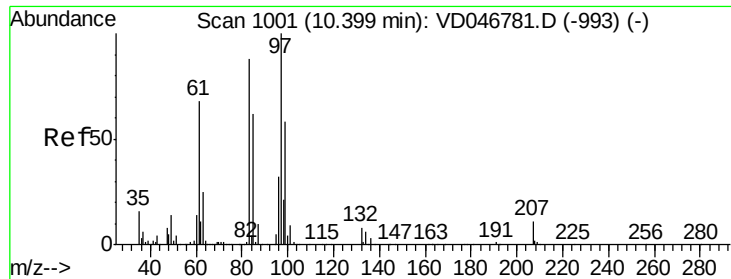


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

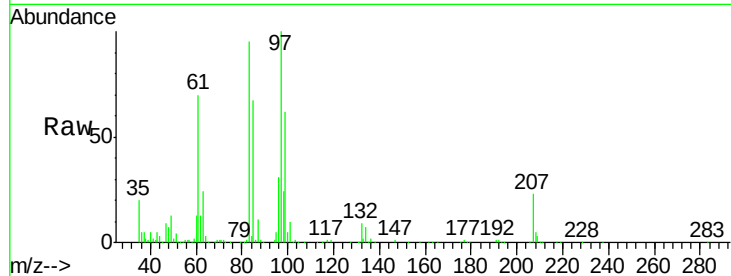




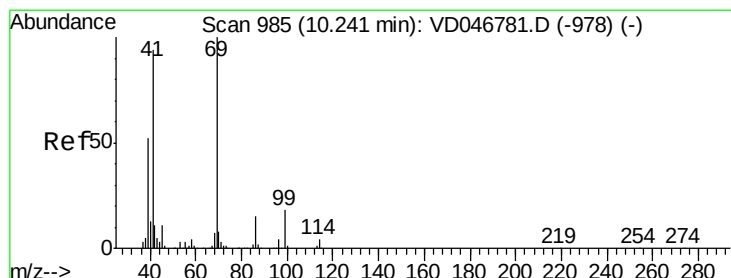
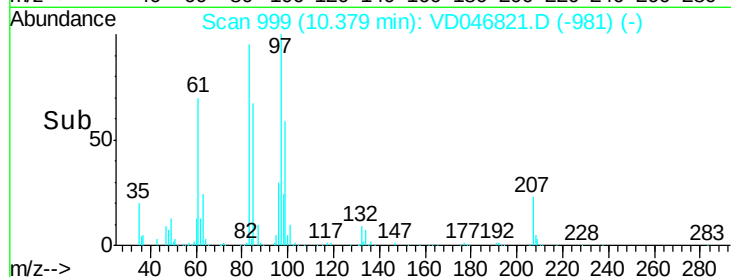
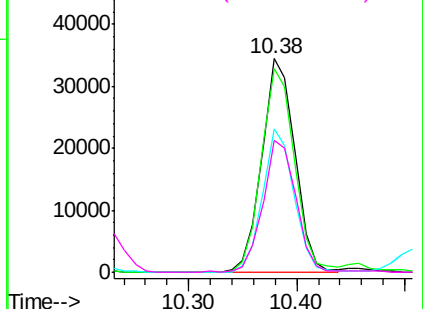
#55
 1,1,2-Trichloroethane
 Concen: 46.11 ug/l
 RT: 10.38 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 73214
 Ion Ratio Lower Upper
 97 100
 83 95.4 75.3 112.9
 85 67.1 50.9 76.3
 99 61.5 46.9 70.3

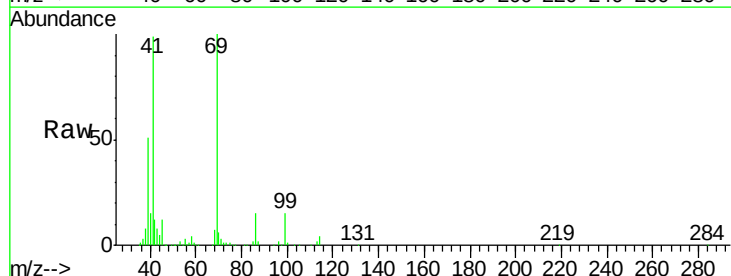


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

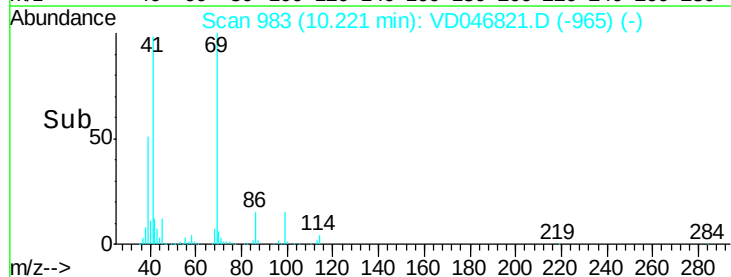
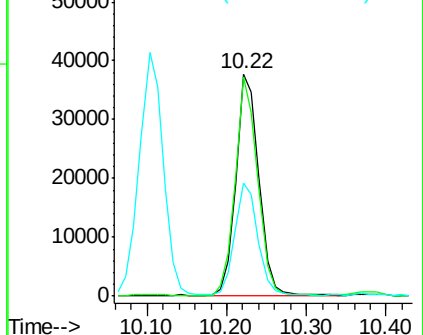


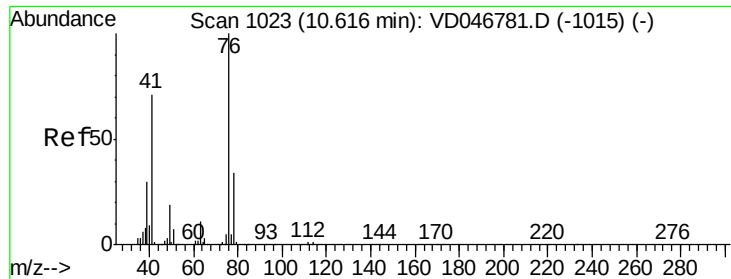
#56
 Ethyl methacrylate
 Concen: 46.25 ug/l
 RT: 10.22 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion: 69 Resp: 75666
 Ion Ratio Lower Upper
 69 100
 41 98.8 75.4 113.0
 39 50.8 41.0 61.4



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





#57

1,3-Dichloropropane

Concen: 45.96 ug/l

RT: 10.60 min Scan# 1021

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

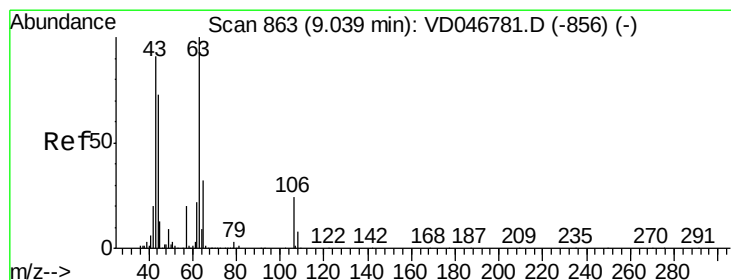
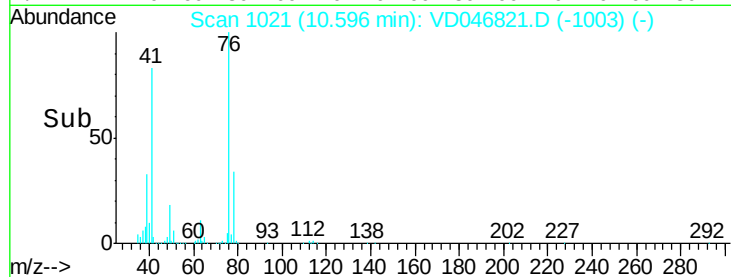
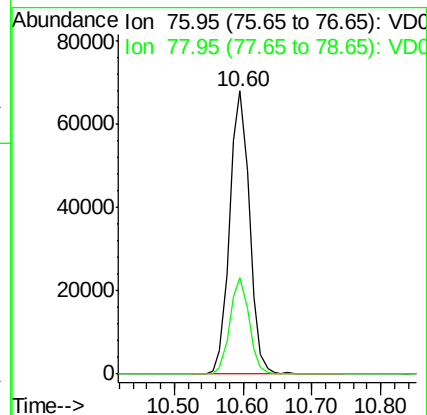
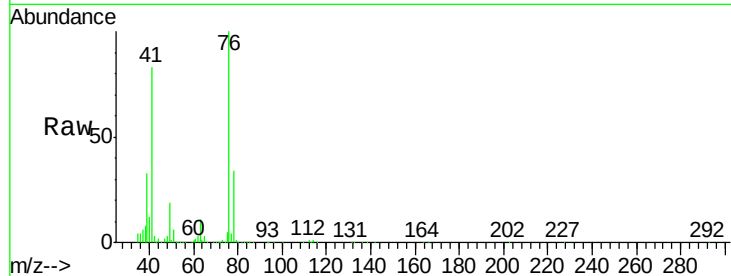
VSTDCCC050EC

Tot Ion: 76 Resp: 135715

Ion Ratio Lower Upper

76 100

78 34.3 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 257.42 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD046821.D

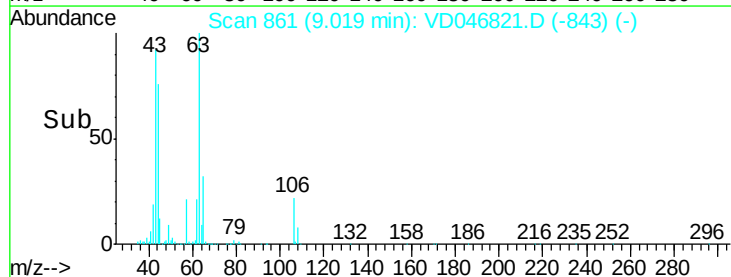
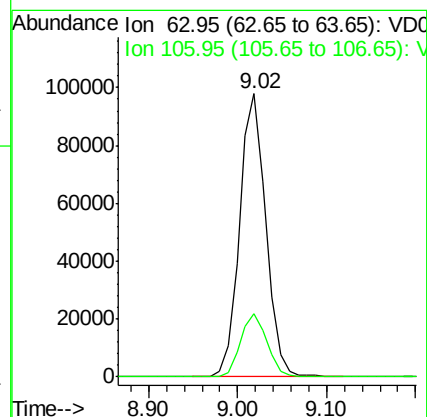
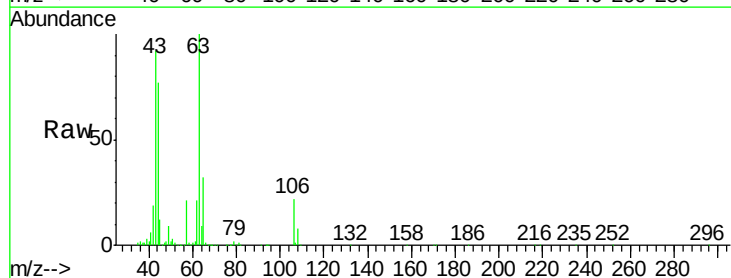
Acq: 21 Sep 2015 21:35

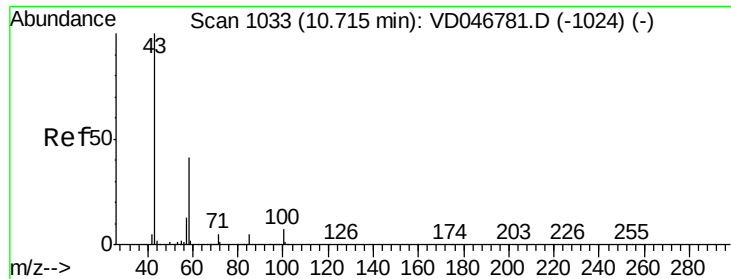
Tgt Ion: 63 Resp: 201698

Ion Ratio Lower Upper

63 100

106 22.2 17.8 26.8

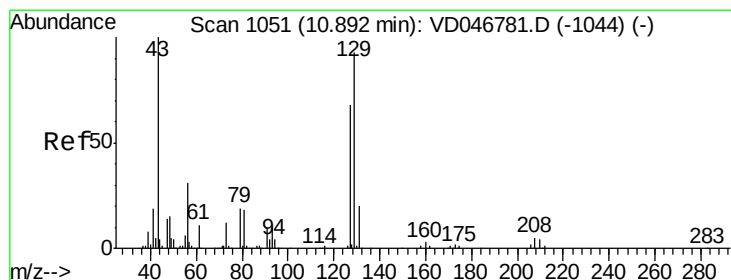
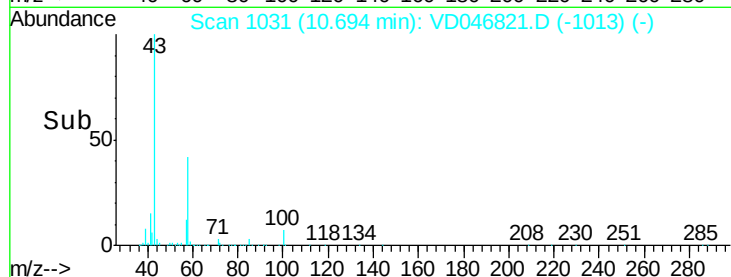
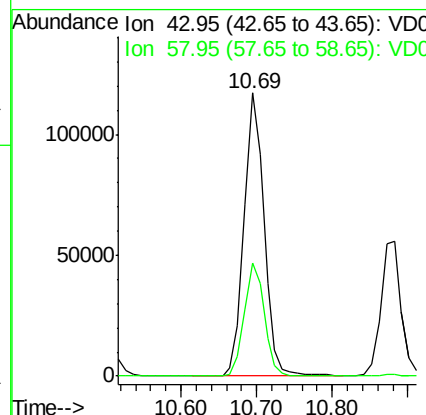
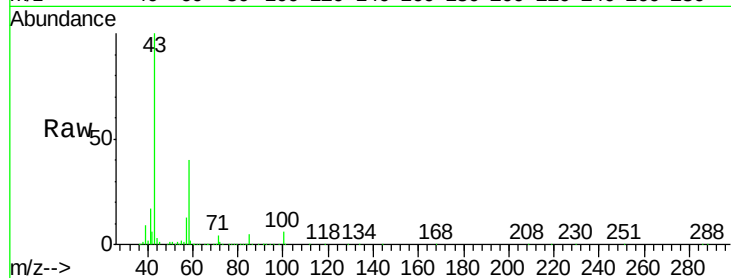




#59
2-Hexanone
Concen: 249.34 ug/l
RT: 10.69 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

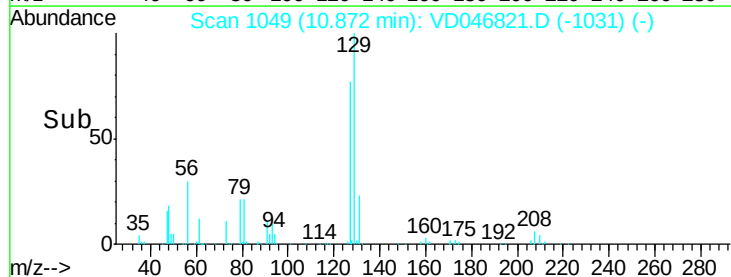
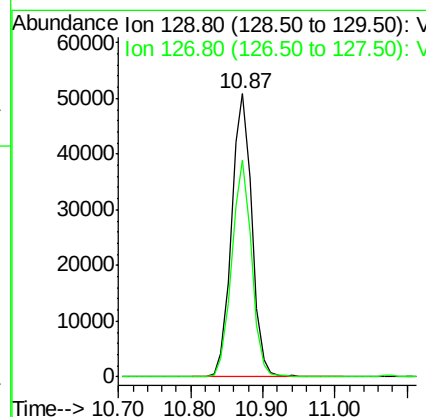
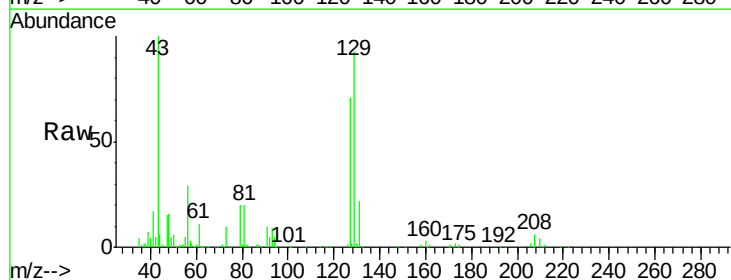
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

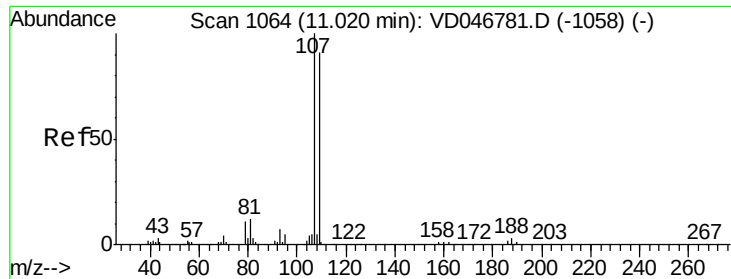
Tot Ion: 43 Resp: 214650
Ion Ratio Lower Upper
43 100
58 40.0 18.6 55.8



#60
Dibromochloromethane
Concen: 45.51 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 129 Resp: 99167
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 45.03 ug/l

RT: 11.01 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

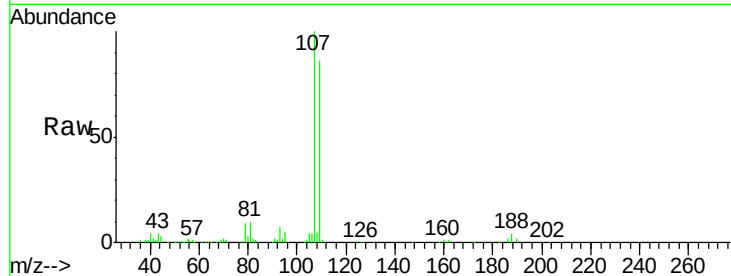
VSTDCCC050EC

Tot Ion:107 Resp: 70591

Ion Ratio Lower Upper

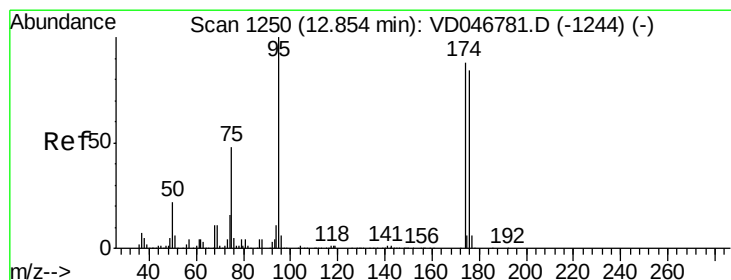
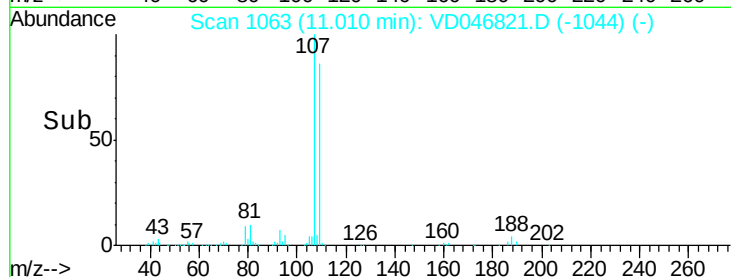
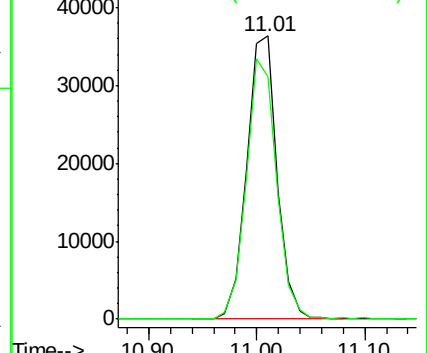
107 100

109 85.5 71.4 107.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 45.03 ug/l

RT: 12.83 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

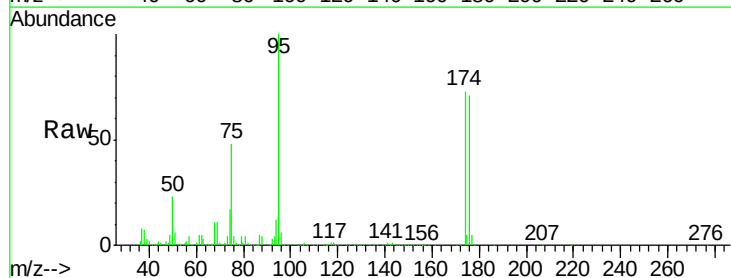
Tgt Ion: 95 Resp: 144427

Ion Ratio Lower Upper

95 100

174 73.2 0.0 149.8

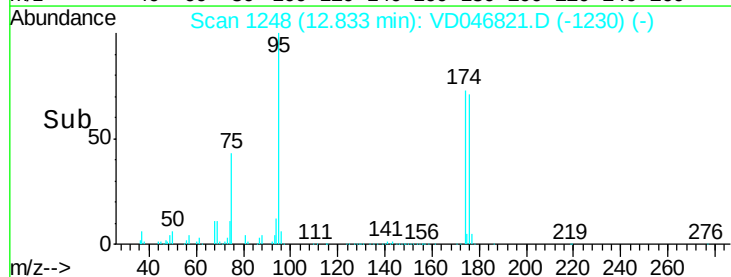
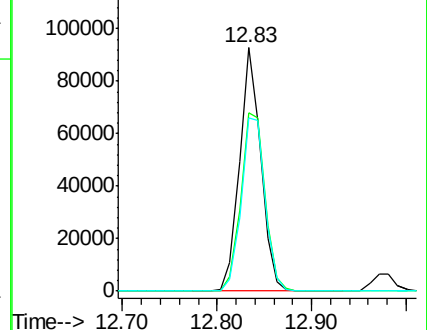
176 71.1 0.0 143.4

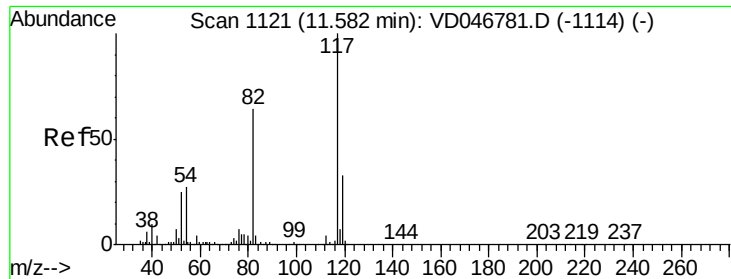


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

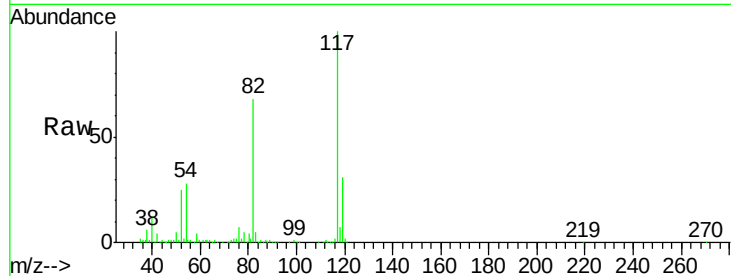




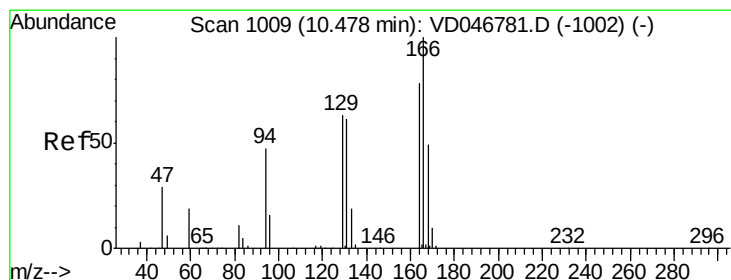
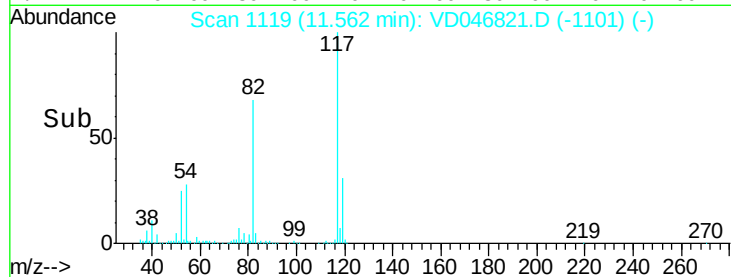
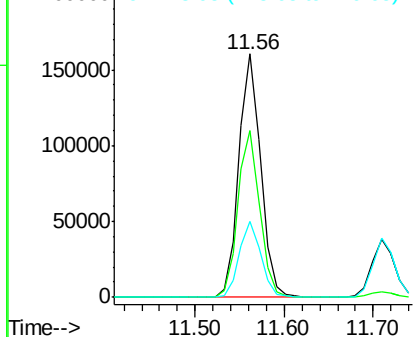
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 274867
Ion Ratio Lower Upper
117 100
82 68.3 50.6 75.8
119 31.1 25.8 38.8

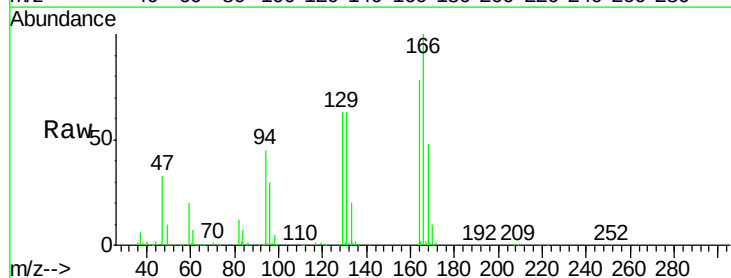


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

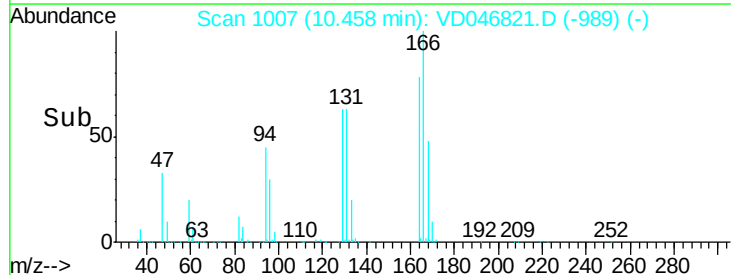
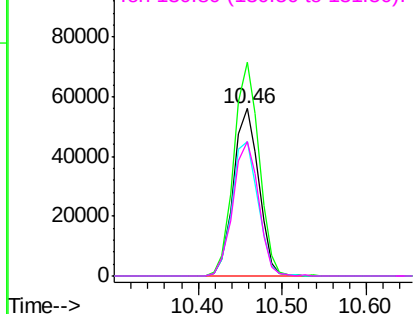


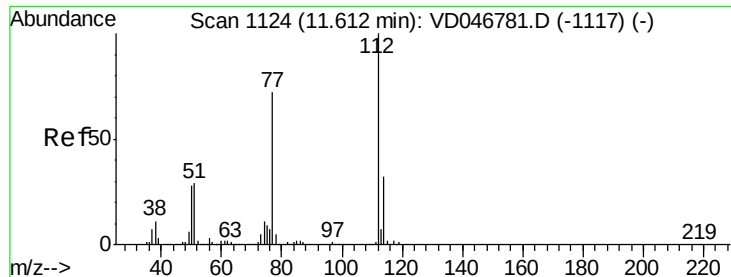
#64
Tetrachloroethene
Concen: 52.63 ug/l
RT: 10.46 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion:164 Resp: 116817
Ion Ratio Lower Upper
164 100
166 127.8 106.8 160.2
129 80.6 70.6 106.0
131 80.3 66.6 100.0



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

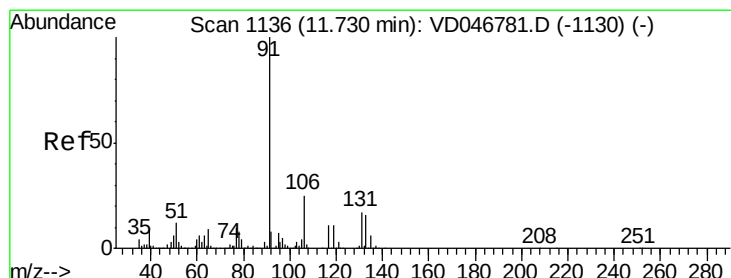
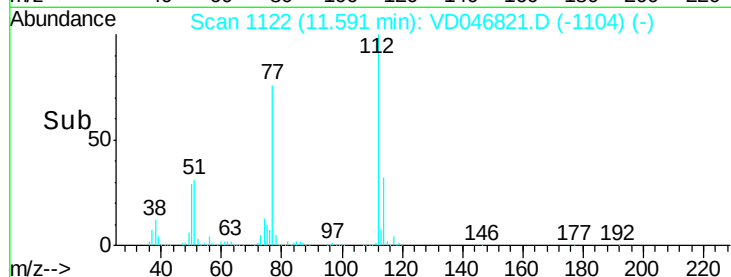
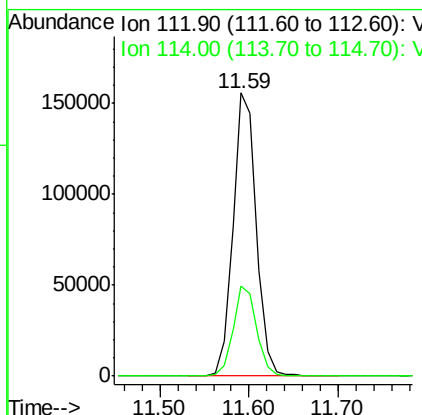
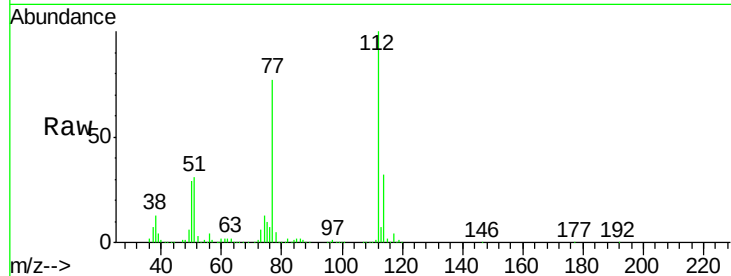




#65
Chlorobenzene
Concen: 49.25 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

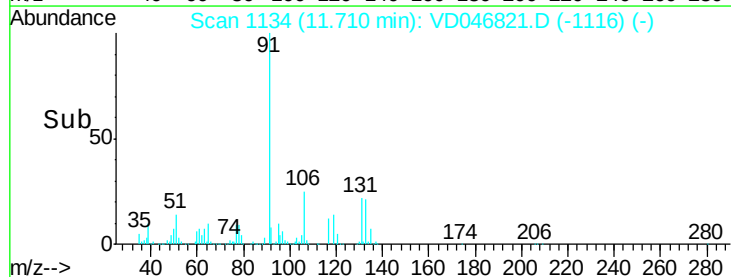
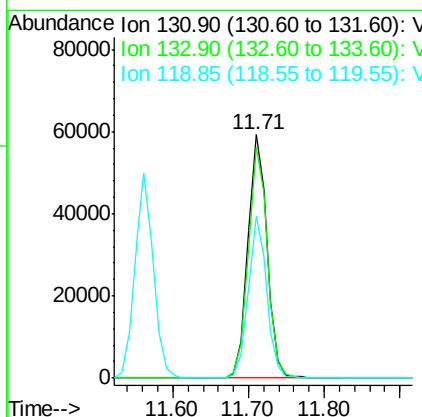
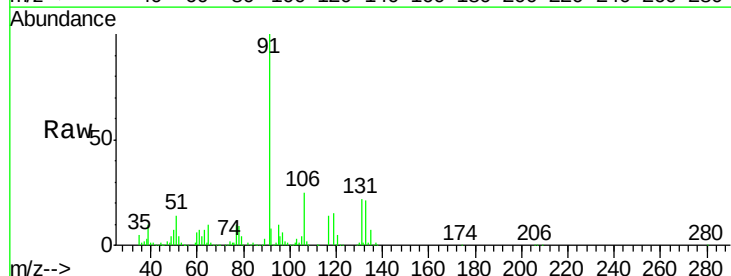
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

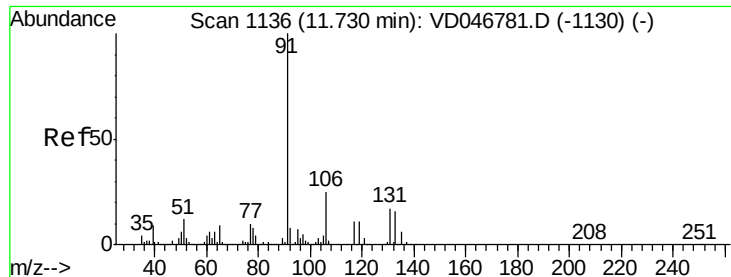
Tot Ion:112 Resp: 284949
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.93 ug/l
RT: 11.71 min Scan# 1134
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion:131 Resp: 103963
Ion Ratio Lower Upper
131 100
133 94.9 48.4 145.0
119 66.3 31.5 94.5

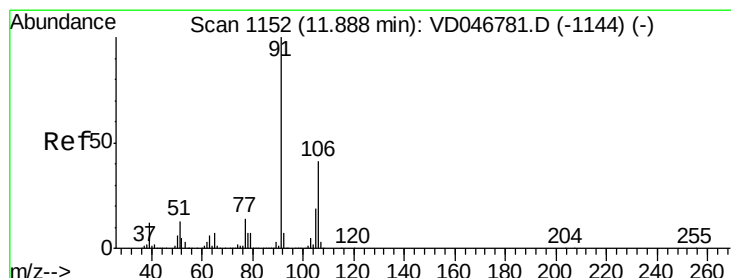
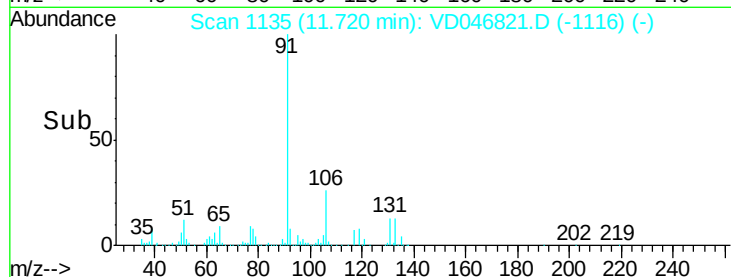
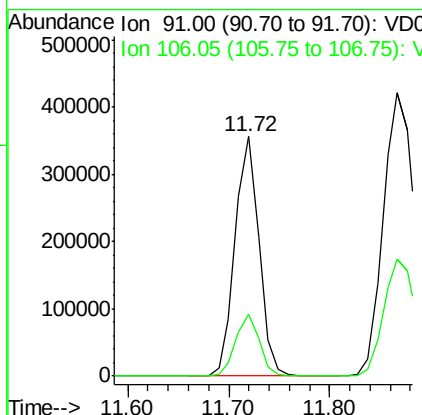
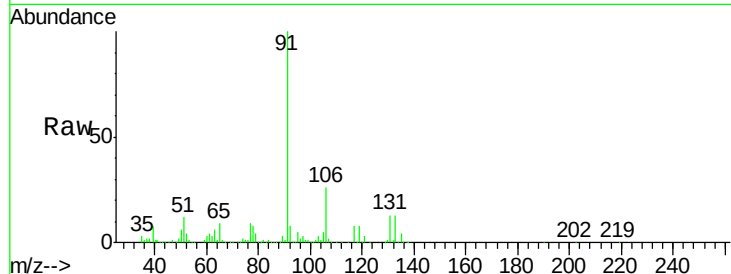




#67
Ethyl Benzene
Concen: 50.74 ug/l
RT: 11.72 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

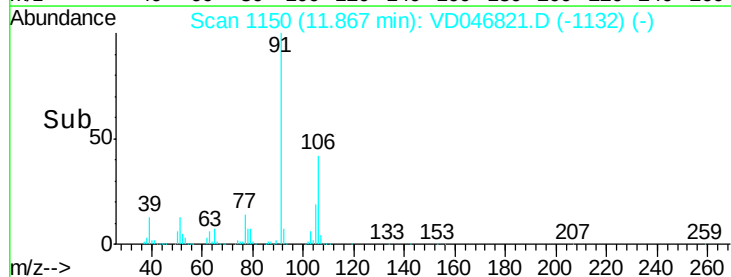
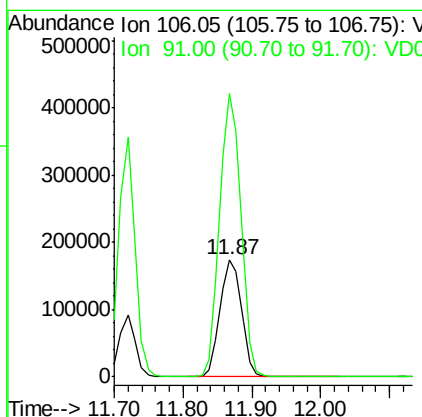
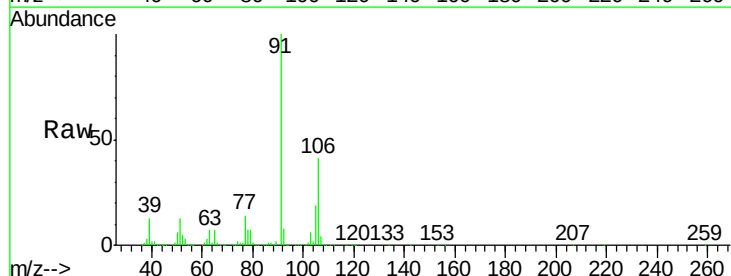
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

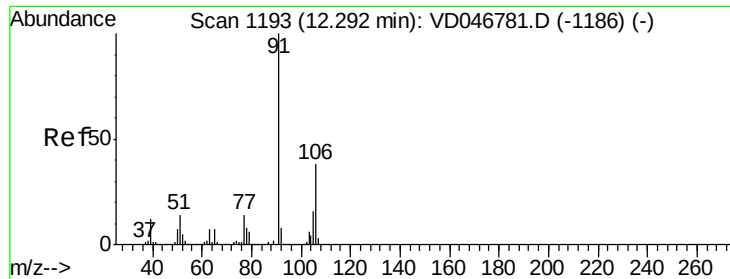
Tot Ion: 91 Resp: 589744
Ion Ratio Lower Upper
91 100
106 26.1 20.2 30.2



#68
m/p-Xylenes
Concen: 103.23 ug/l
RT: 11.87 min Scan# 1150
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion: 106 Resp: 378439
Ion Ratio Lower Upper
106 100
91 241.5 187.9 281.9

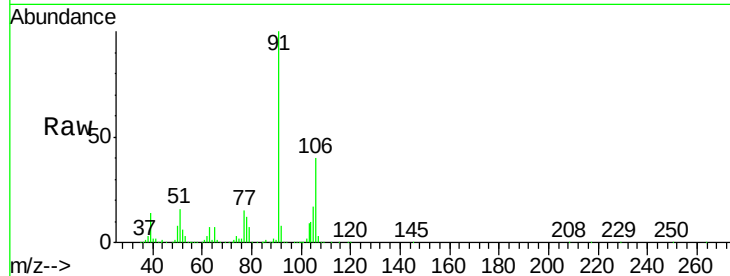




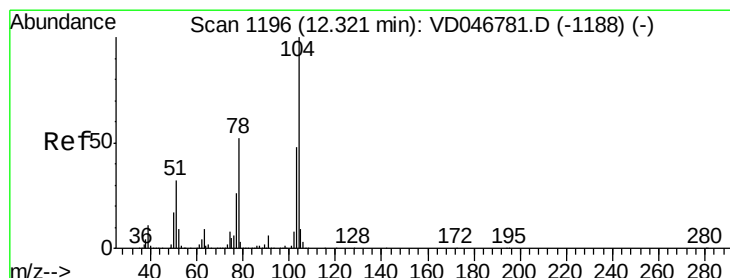
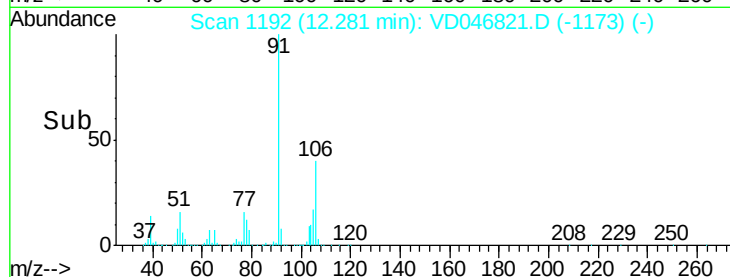
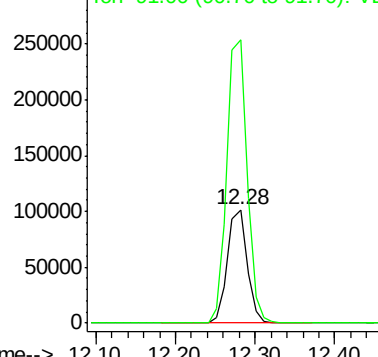
#69
o-Xylene
Concen: 52.16 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 172150
Ion Ratio Lower Upper
106 100
91 248.9 124.8 374.5

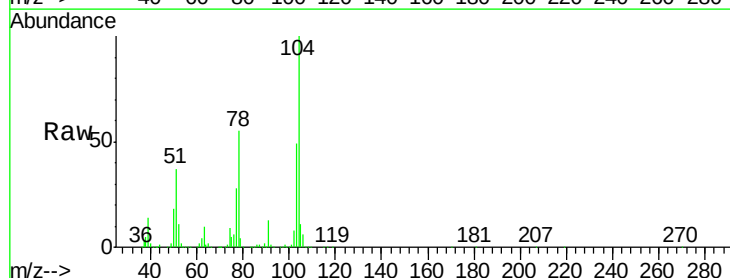


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

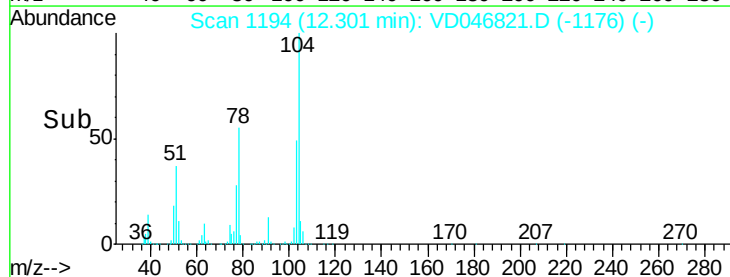
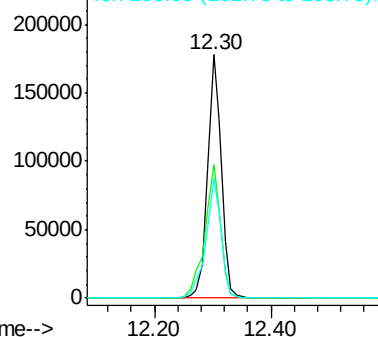


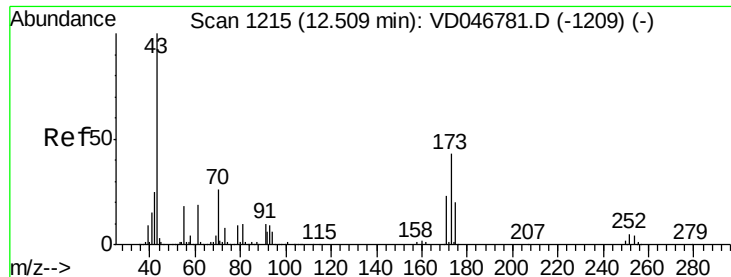
#70
Styrene
Concen: 50.53 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion:104 Resp: 289124
Ion Ratio Lower Upper
104 100
78 54.8 44.5 66.7
103 49.3 40.3 60.5



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

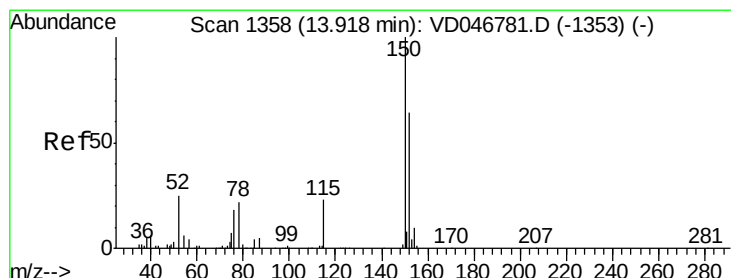
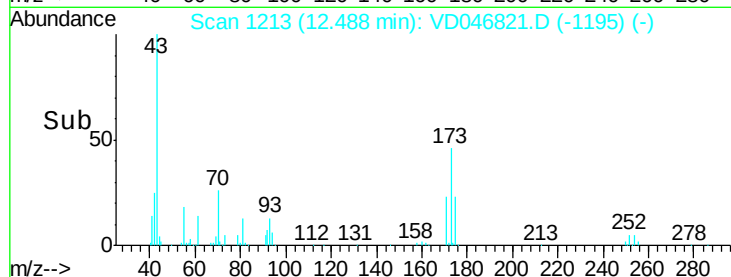
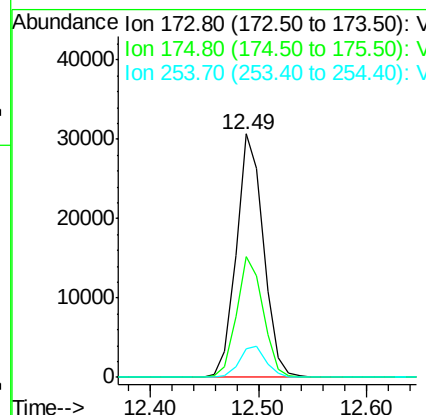
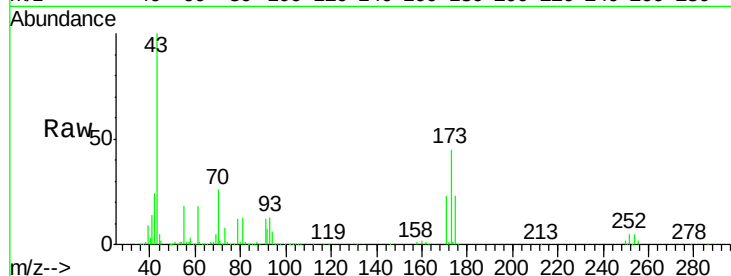




#71
Bromoform
Concen: 47.22 ug/l
RT: 12.49 min Scan# 1213
Delta R.T. -0.02 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

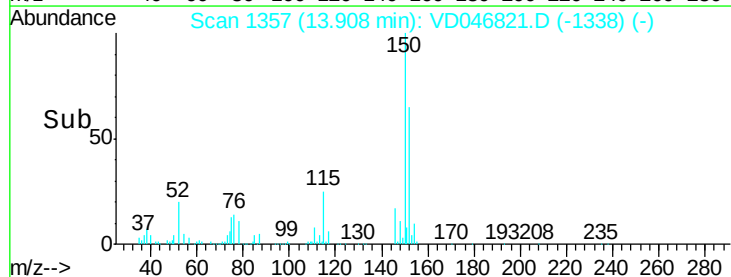
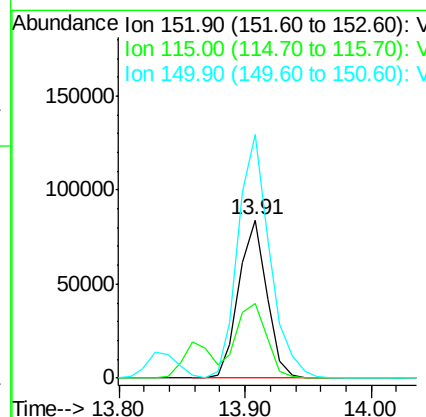
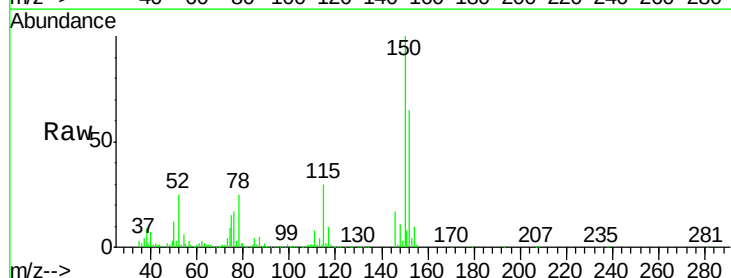
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

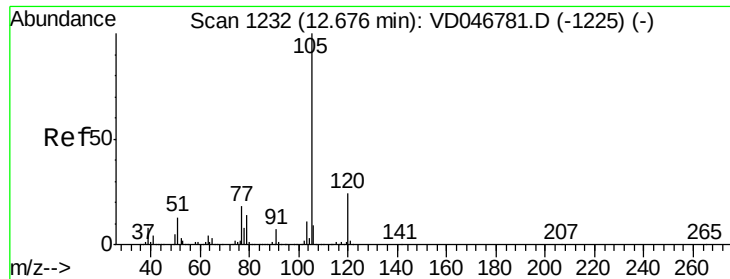
Tot Ion:173 Resp: 53437
Ion Ratio Lower Upper
173 100
175 49.7 23.1 69.3
254 11.8 8.7 13.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD046821.D
Acq: 21 Sep 2015 21:35

Tgt Ion:152 Resp: 129712
Ion Ratio Lower Upper
152 100
115 46.9 26.2 78.6
150 154.0 0.0 311.8





#73

Isopropylbenzene

Concen: 55.73 ug/l

RT: 12.66 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

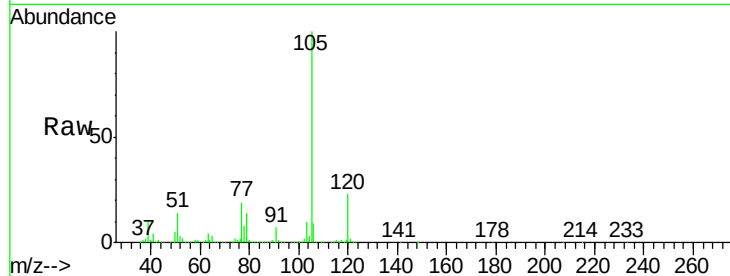
VSTDCCC050EC

Tot Ion:105 Resp: 509605

Ion Ratio Lower Upper

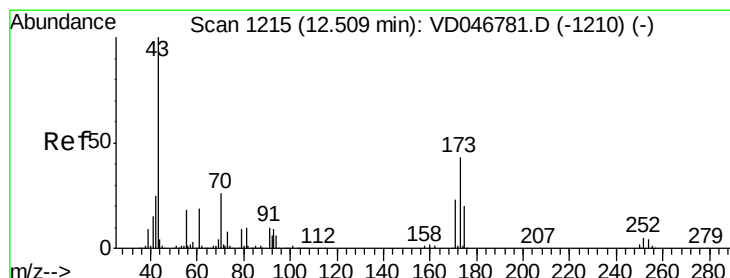
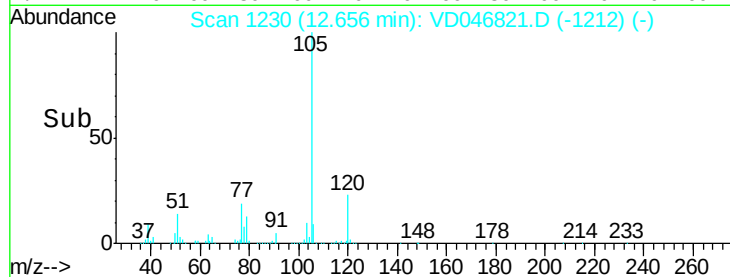
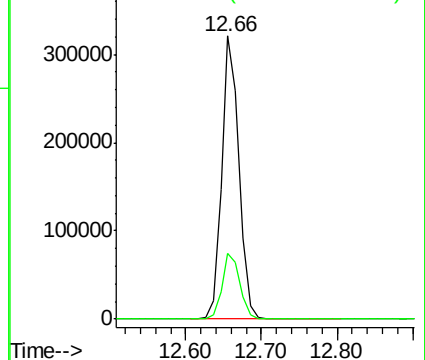
105 100

120 23.0 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.99 ug/l

RT: 12.50 min Scan# 1214

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Tgt Ion: 43 Resp: 117482

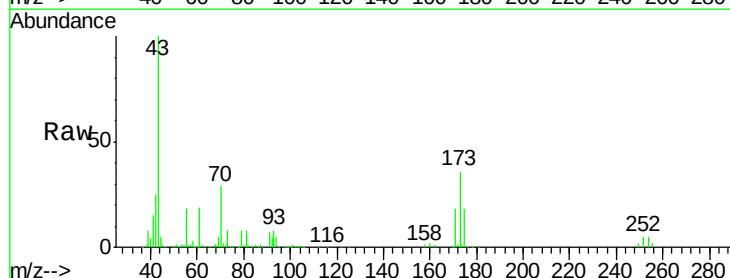
Ion Ratio Lower Upper

43 100

70 28.9 22.1 33.1

55 17.8 14.5 21.7

61 19.3 14.6 21.8

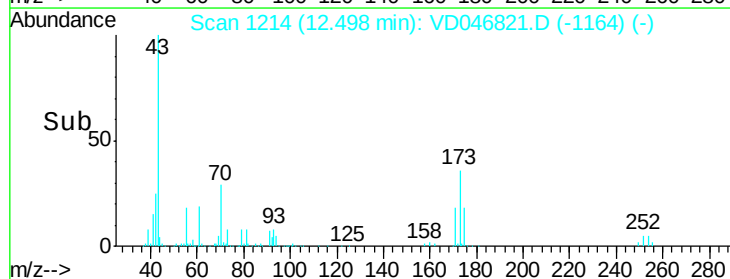
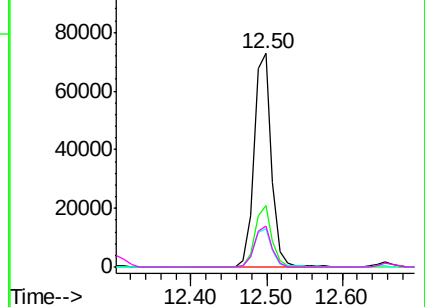


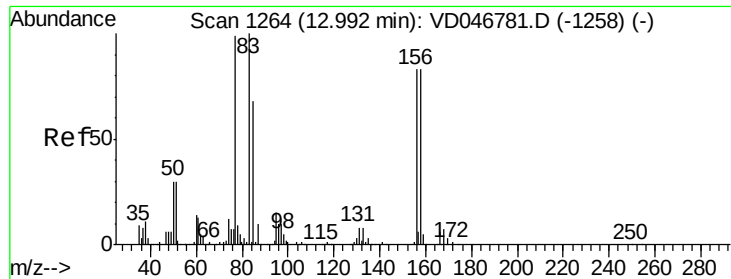
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.00 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

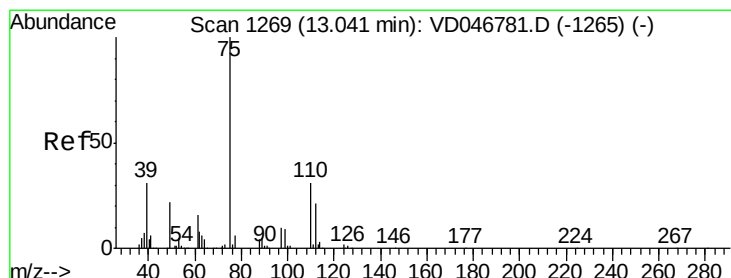
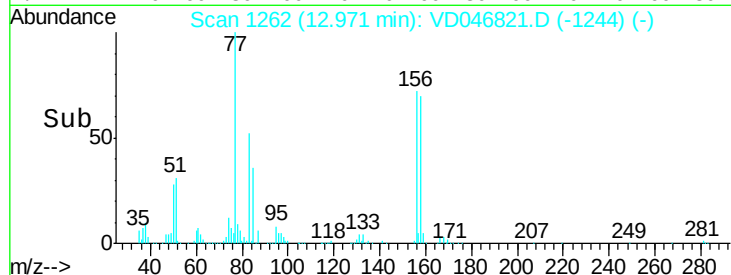
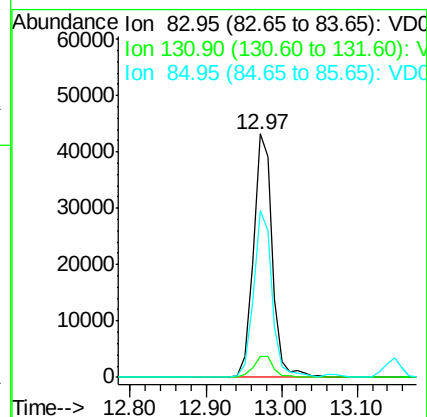
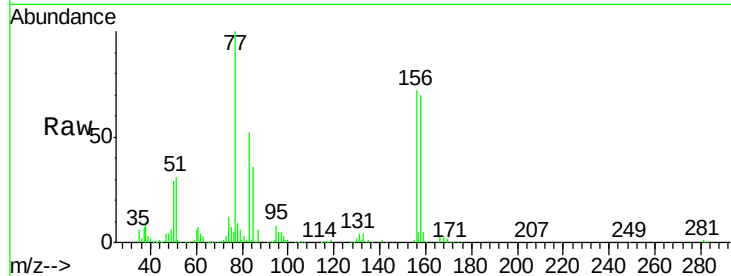
Tot Ion: 83 Resp: 75260

Ion Ratio Lower Upper

83 100

131 8.6 3.9 11.7

85 68.7 30.5 91.5



#76

1,2,3-Trichloropropane

Concen: 51.65 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VD046821.D

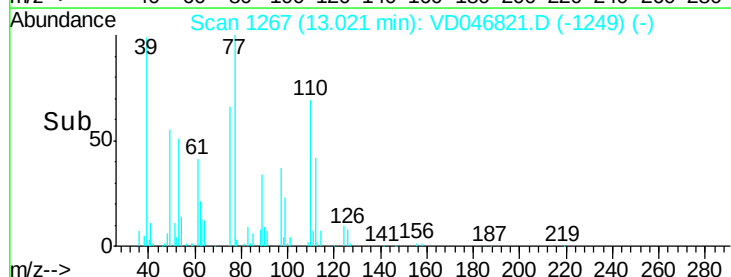
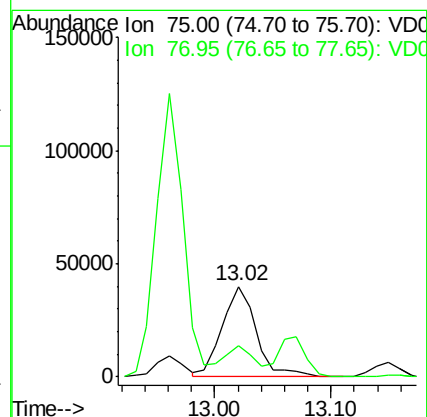
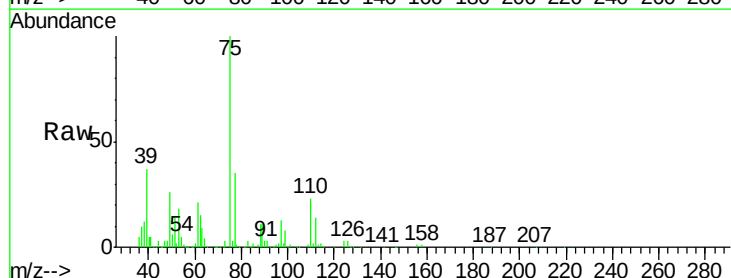
Acq: 21 Sep 2015 21:35

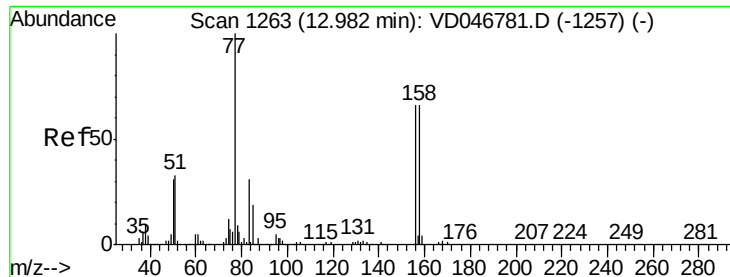
Tgt Ion: 75 Resp: 81533

Ion Ratio Lower Upper

75 100

77 34.7 16.0 48.0





#77

Bromobenzene

Concen: 52.51 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

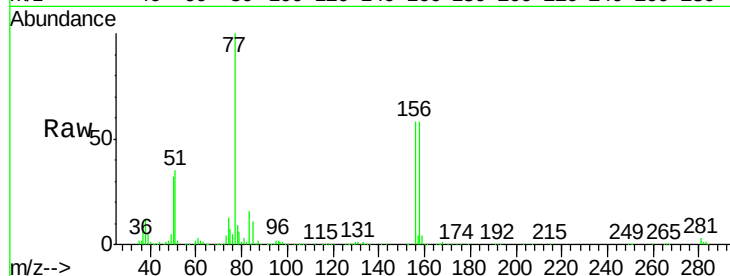
Tot Ion:156 Resp: 120740

Ion Ratio Lower Upper

156 100

77 173.7 70.3 210.8

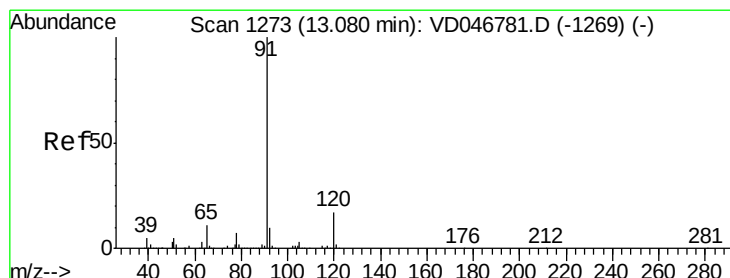
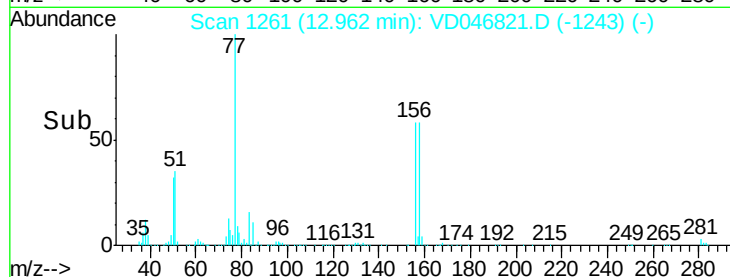
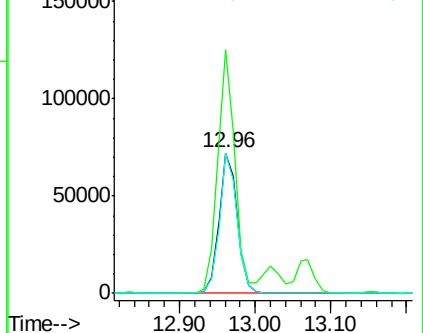
158 100.2 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.39 ug/l

RT: 13.07 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD046821.D

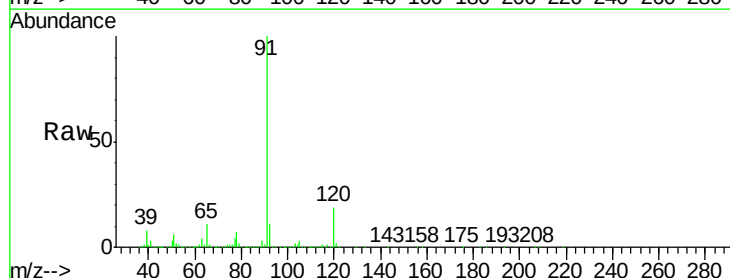
Acq: 21 Sep 2015 21:35

Tgt Ion: 91 Resp: 689383

Ion Ratio Lower Upper

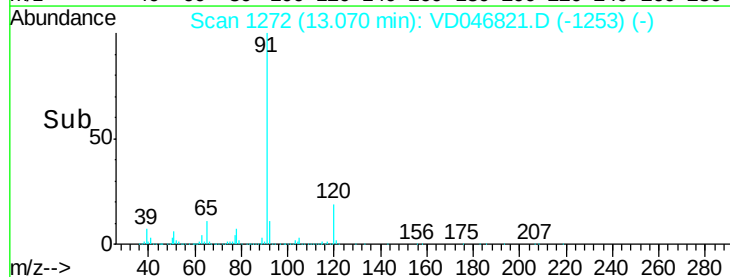
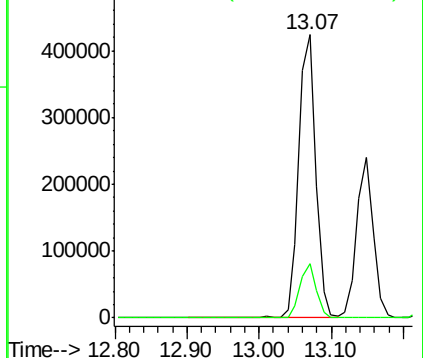
91 100

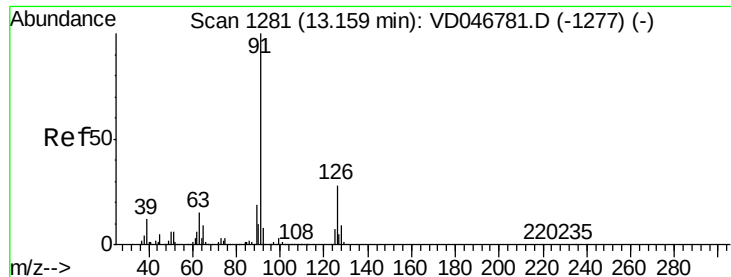
120 19.3 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.46 ug/l

RT: 13.15 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

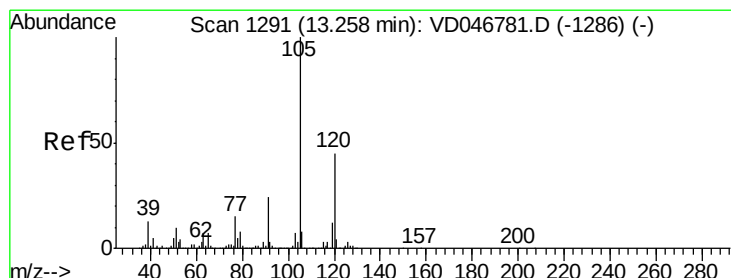
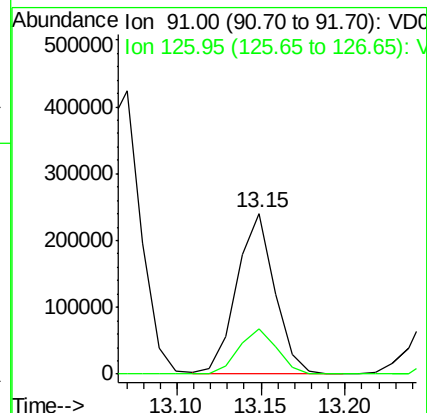
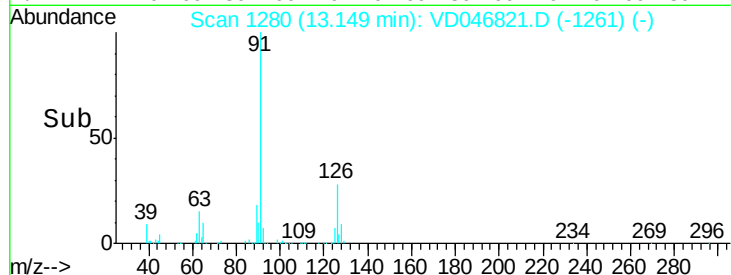
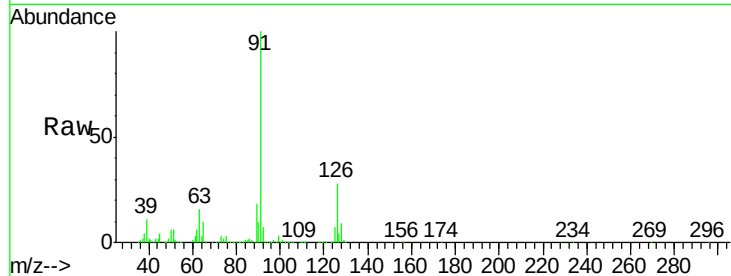
VSTDCCC050EC

Tot Ion: 91 Resp: 376085

Ion Ratio Lower Upper

91 100

126 28.5 14.1 42.4



#80

1,3,5-Trimethylbenzene

Concen: 53.63 ug/l

RT: 13.24 min Scan# 1289

Delta R.T. -0.02 min

Lab File: VD046821.D

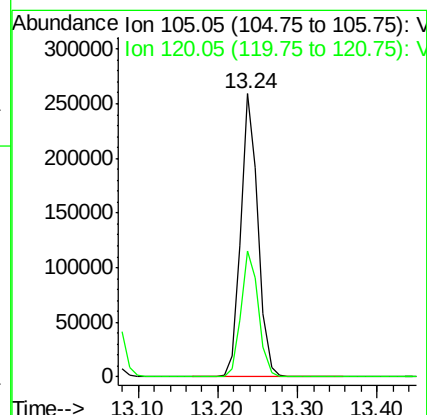
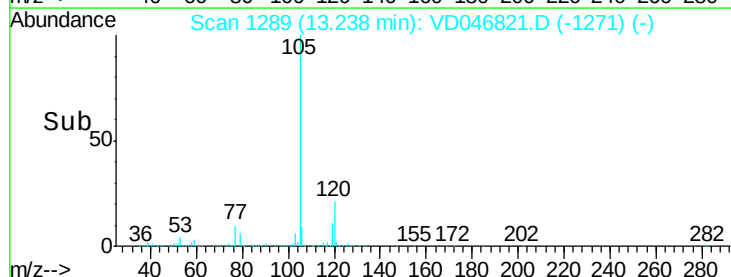
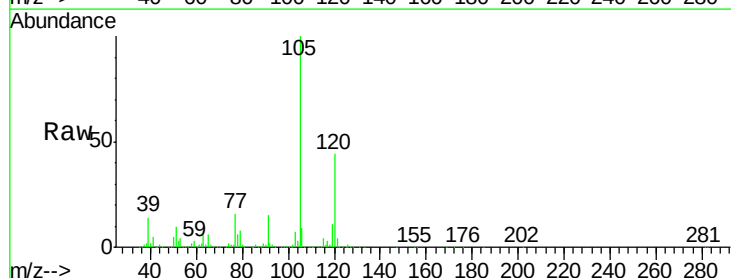
Acq: 21 Sep 2015 21:35

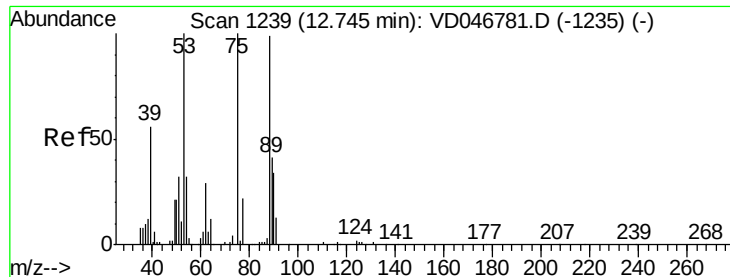
Tgt Ion: 105 Resp: 390798

Ion Ratio Lower Upper

105 100

120 44.3 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.14 ug/l

RT: 12.72 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

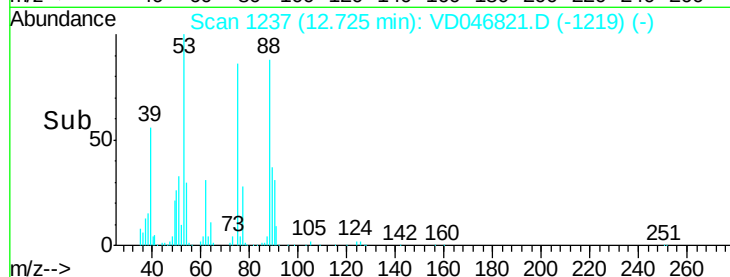
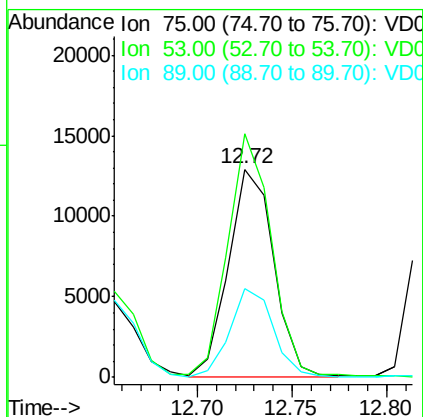
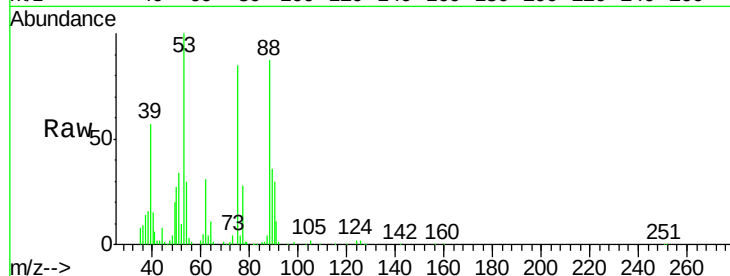
Tot Ion: 75 Resp: 21318

Ion Ratio Lower Upper

75 100

53 117.1 82.3 123.5

89 42.4 36.6 54.8



#82

4-Chlorotoluene

Concen: 51.23 ug/l

RT: 13.27 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VD046821.D

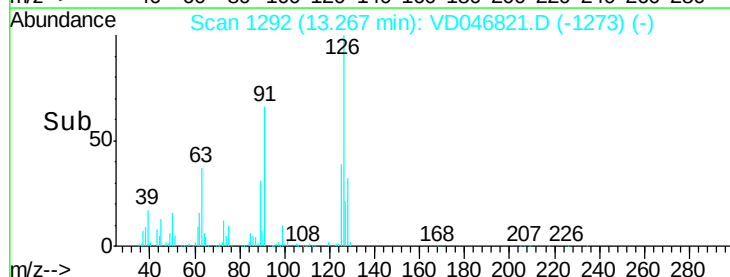
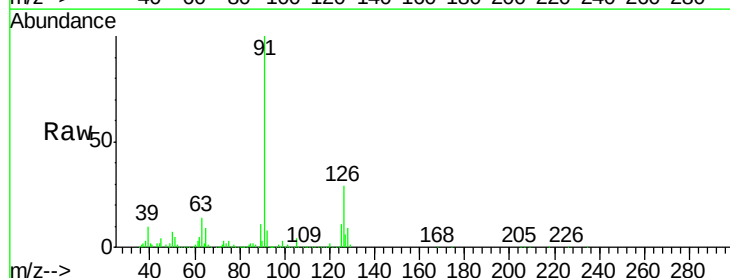
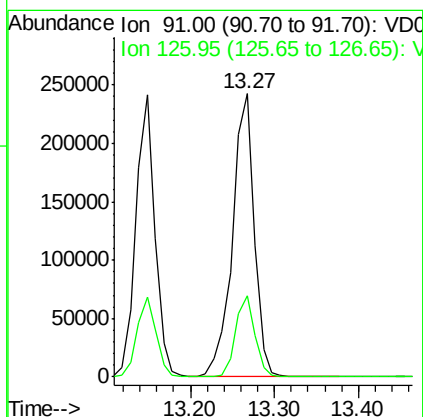
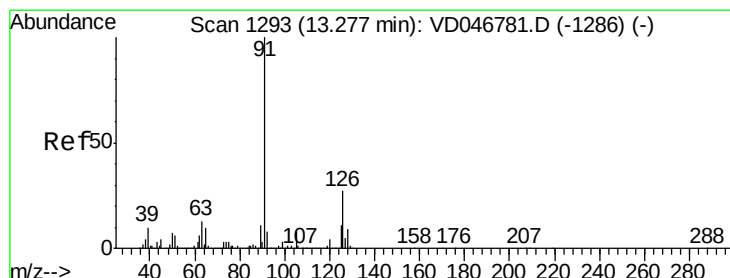
Acq: 21 Sep 2015 21:35

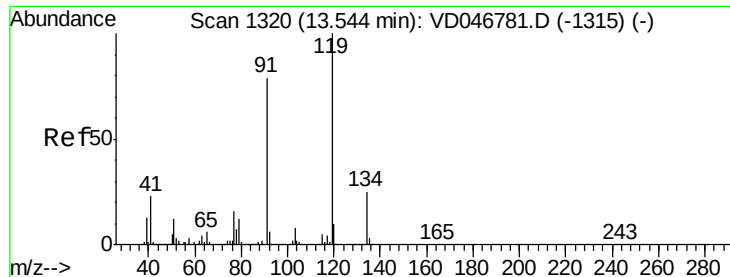
Tgt Ion: 91 Resp: 437164

Ion Ratio Lower Upper

91 100

126 28.5 14.1 42.4

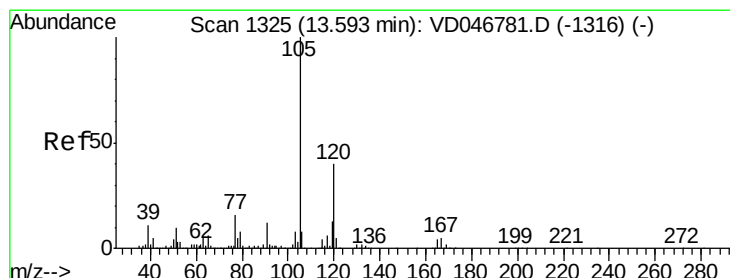
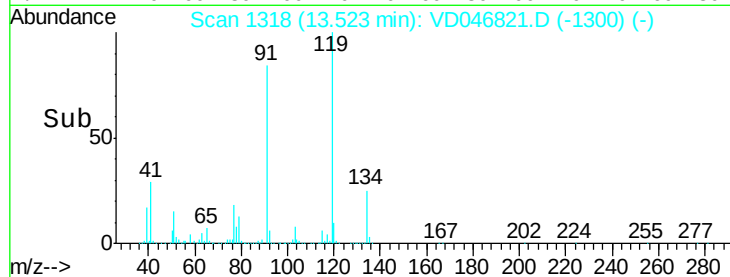
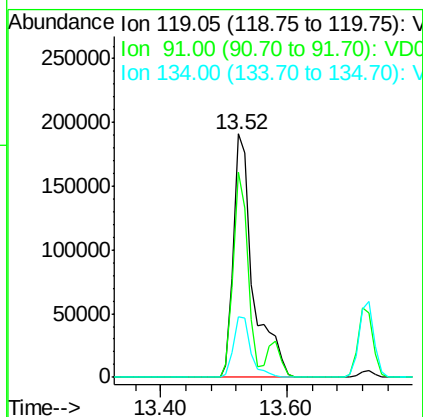
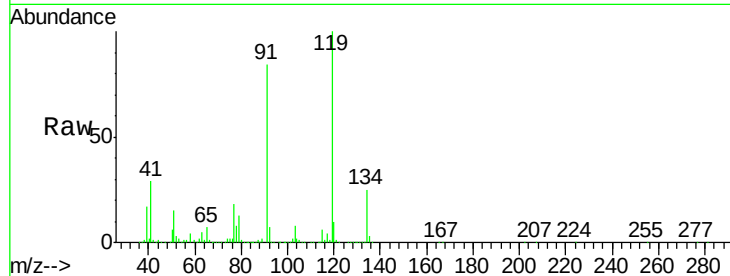




#83
 tert-Butylbenzene
 Concen: 62.75 ug/l
 RT: 13.52 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

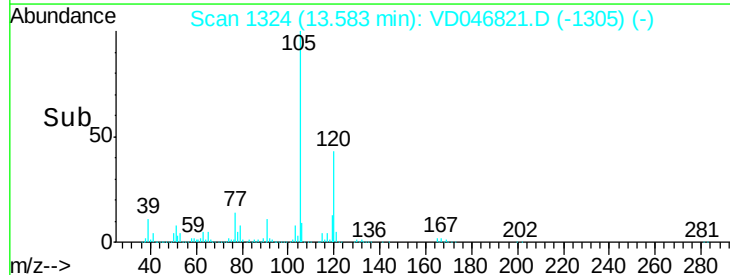
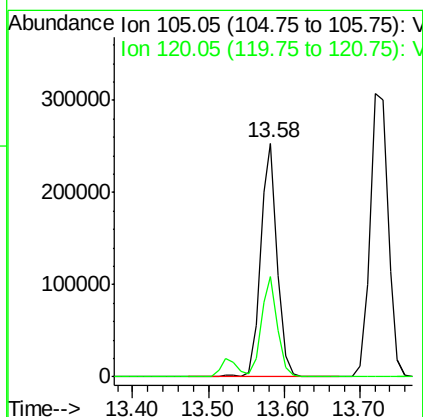
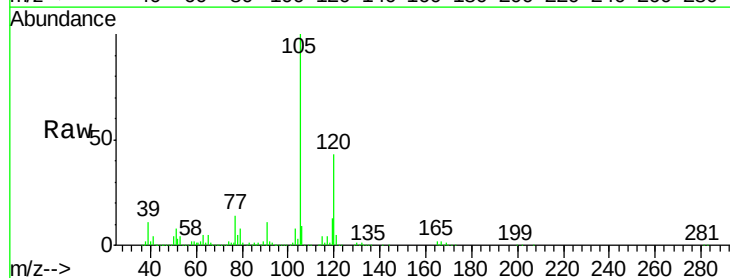
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

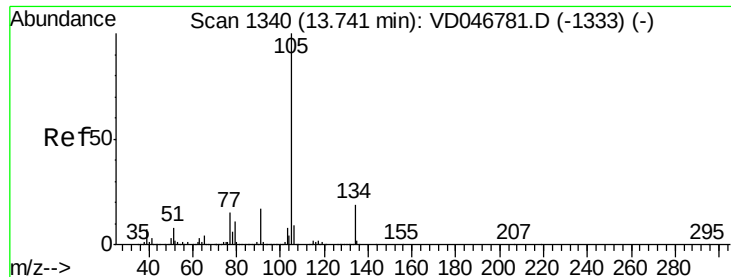
Tot Ion:119 Resp: 412293
 Ion Ratio Lower Upper
 119 100
 91 84.1 41.6 124.9
 134 25.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 53.09 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion:105 Resp: 389425
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.1 63.1





#85

sec-Butylbenzene

Concen: 52.50 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

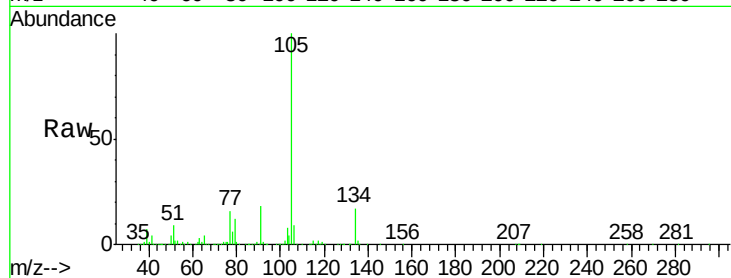
VSTDCCC050EC

Tot Ion:105 Resp: 506974

Ion Ratio Lower Upper

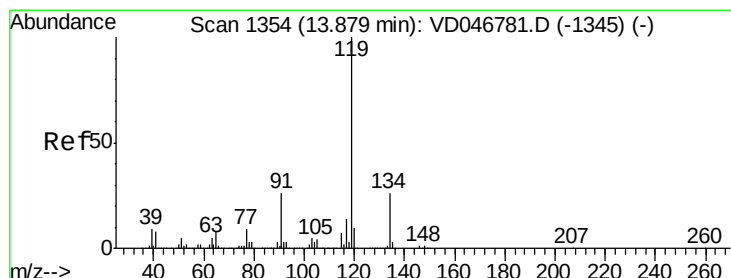
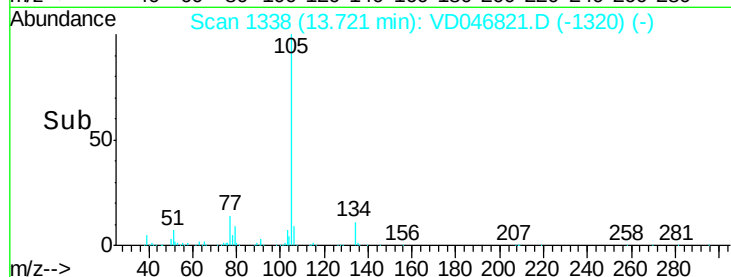
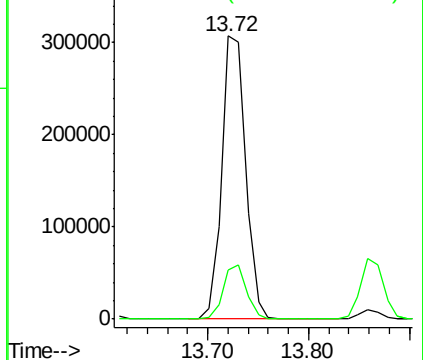
105 100

134 17.5 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.18 ug/l

RT: 13.86 min Scan# 1352

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

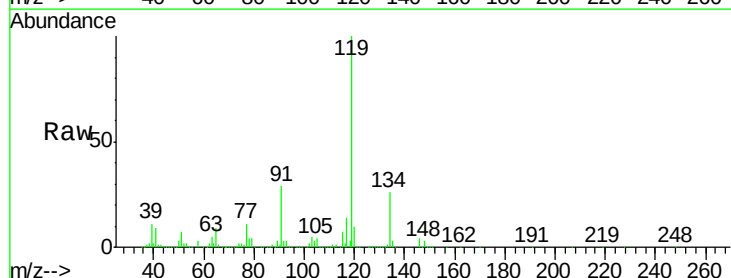
Tgt Ion:119 Resp: 396030

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

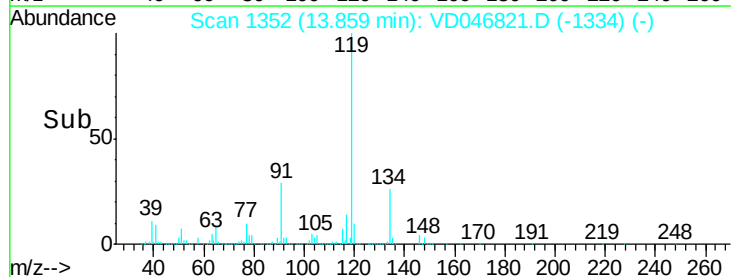
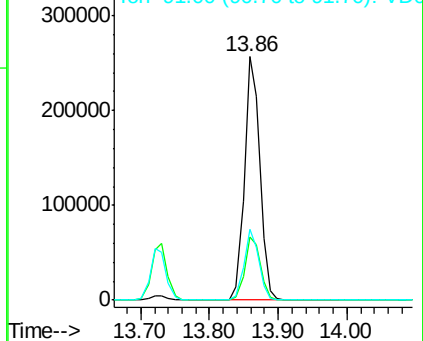
91 29.3 13.8 41.3

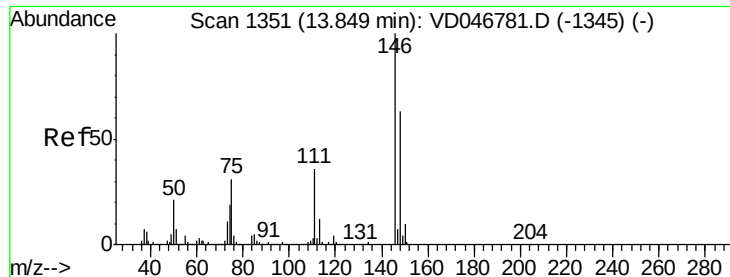


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

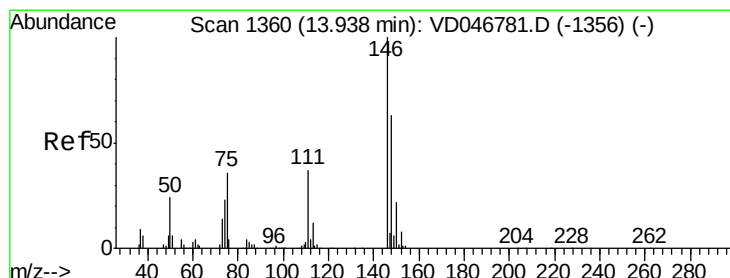
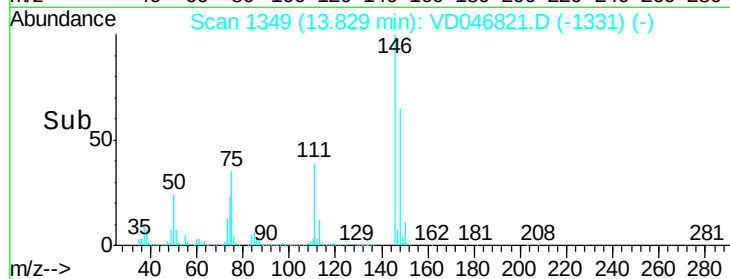
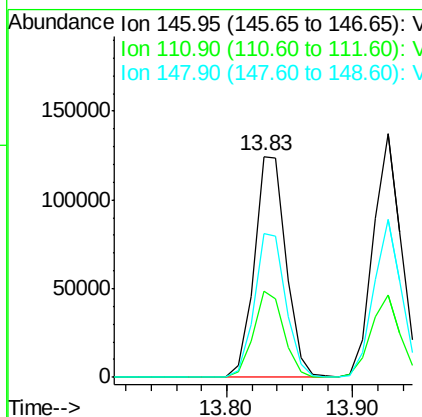
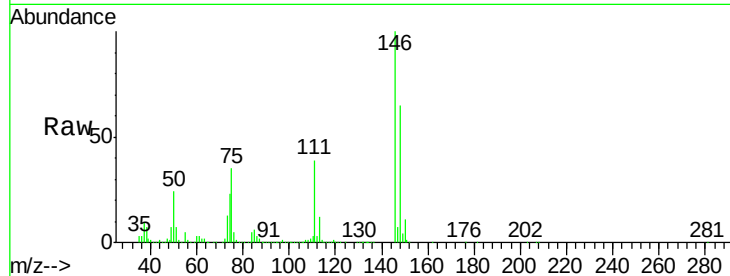




#87
 1,3-Dichlorobenzene
 Concen: 50.96 ug/l
 RT: 13.83 min Scan# 1349
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

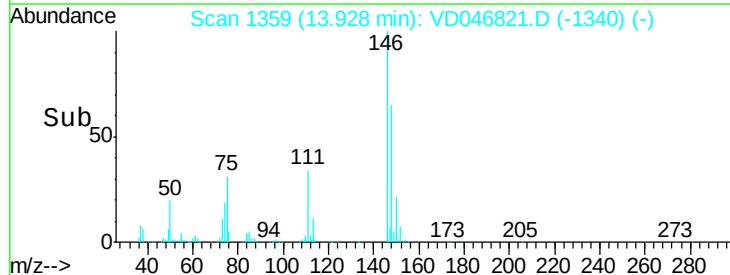
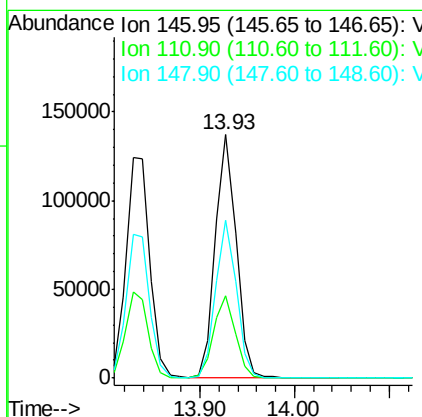
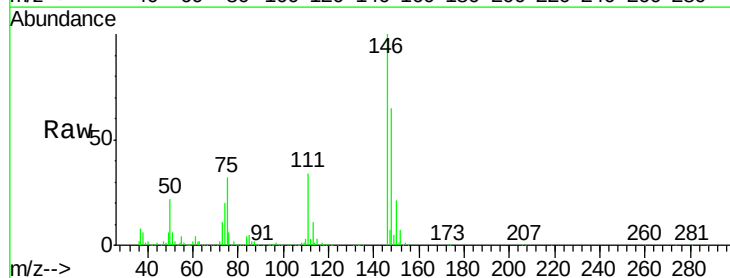
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

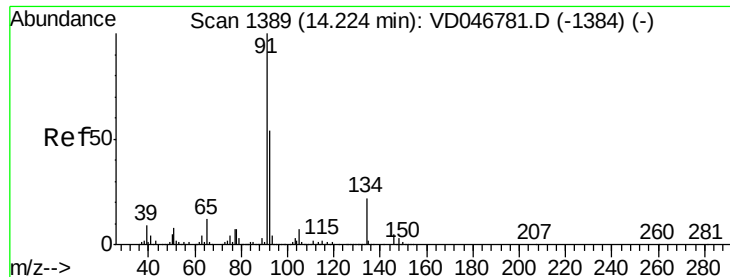
Tot Ion:146 Resp: 218619
 Ion Ratio Lower Upper
 146 100
 111 38.8 17.4 52.2
 148 65.1 33.0 99.0



#88
 1,4-Dichlorobenzene
 Concen: 49.78 ug/l
 RT: 13.93 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion:146 Resp: 212372
 Ion Ratio Lower Upper
 146 100
 111 34.0 17.0 51.0
 148 64.8 31.9 95.7





#89

n-Butylbenzene

Concen: 52.05 ug/l

RT: 14.20 min Scan# 1387

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

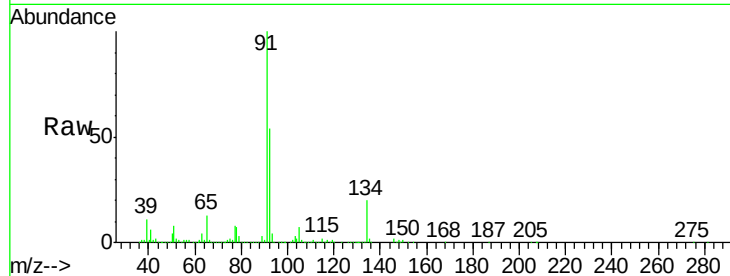
Tot Ion: 91 Resp: 445961

Ion Ratio Lower Upper

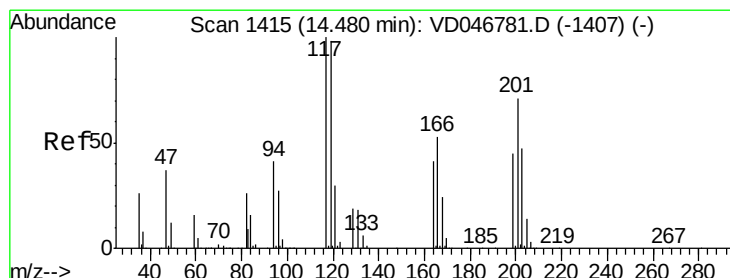
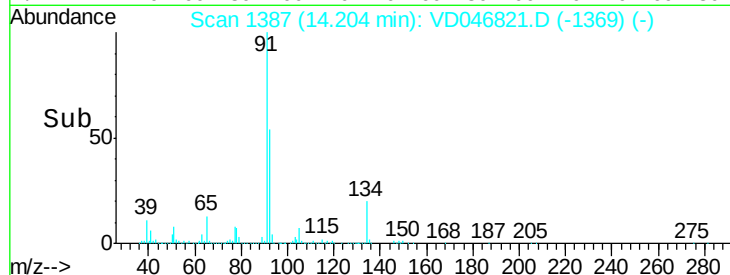
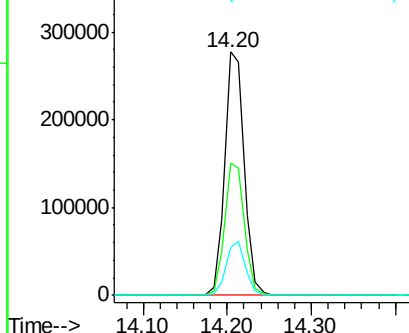
91 100

92 54.1 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): V



#90

Hexachloroethane

Concen: 48.90 ug/l

RT: 14.47 min Scan# 1414

Delta R.T. -0.01 min

Lab File: VD046821.D

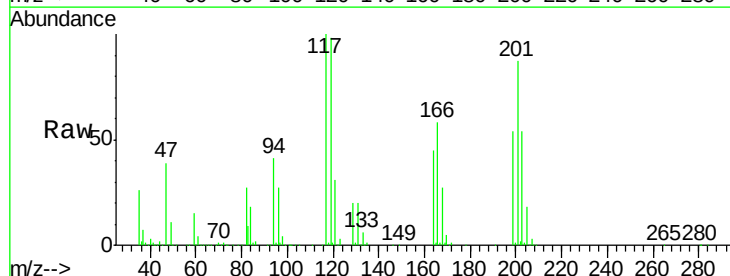
Acq: 21 Sep 2015 21:35

Tgt Ion: 117 Resp: 86032

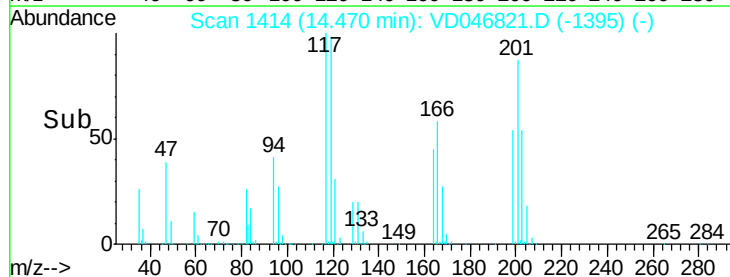
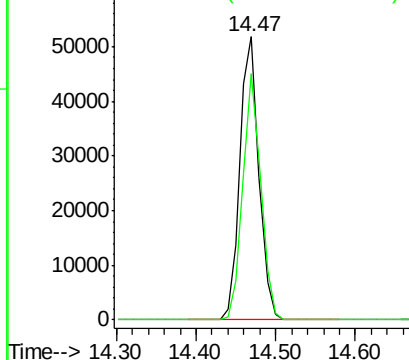
Ion Ratio Lower Upper

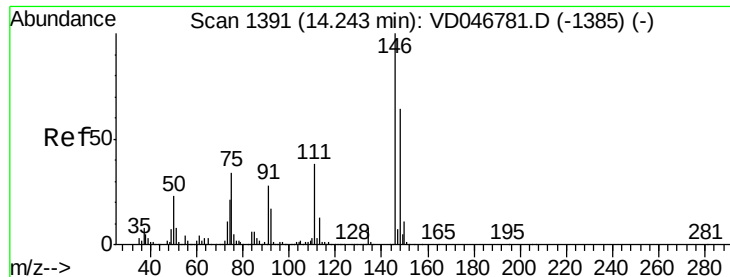
117 100

201 86.8 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: 50.22 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

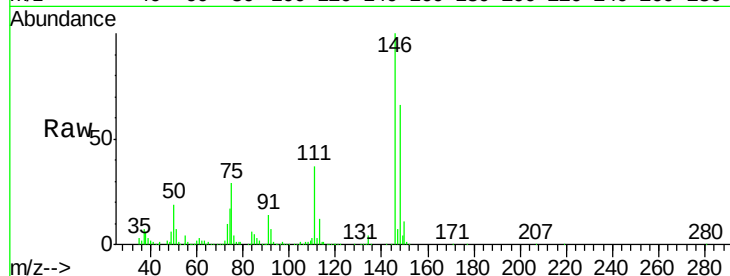
Tot Ion:146 Resp: 180983

Ion Ratio Lower Upper

146 100

111 37.3 18.2 54.6

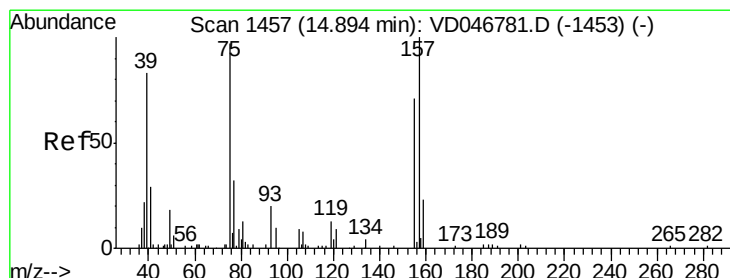
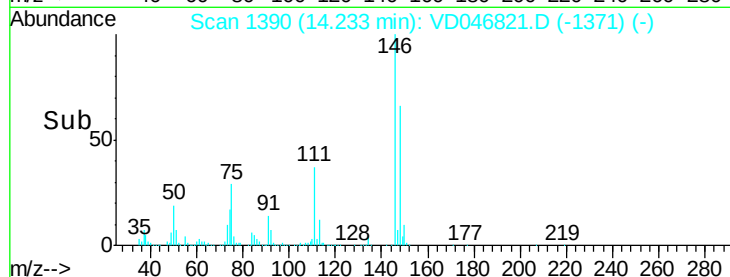
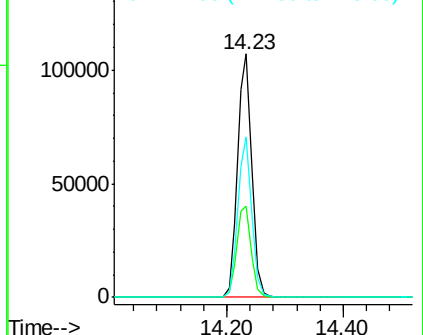
148 65.8 31.1 93.3



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: 47.81 ug/l

RT: 14.87 min Scan# 1455

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

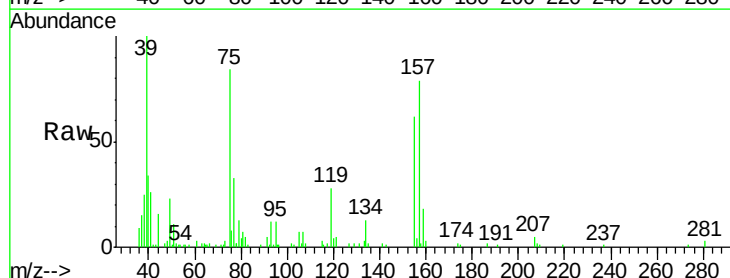
Tgt Ion: 75 Resp: 9066

Ion Ratio Lower Upper

75 100

155 73.6 41.4 124.4

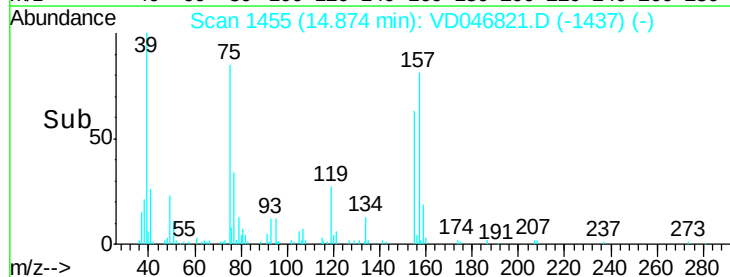
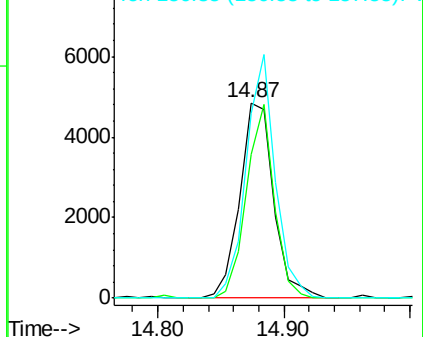
157 94.6 65.0 195.1

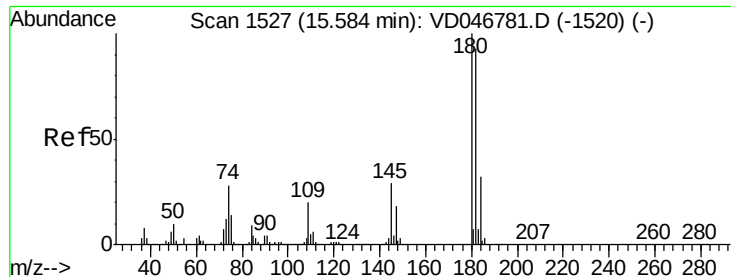


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

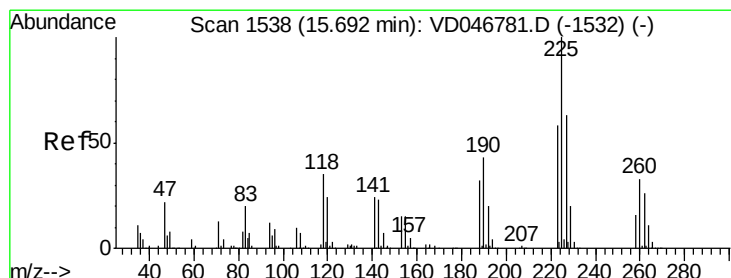
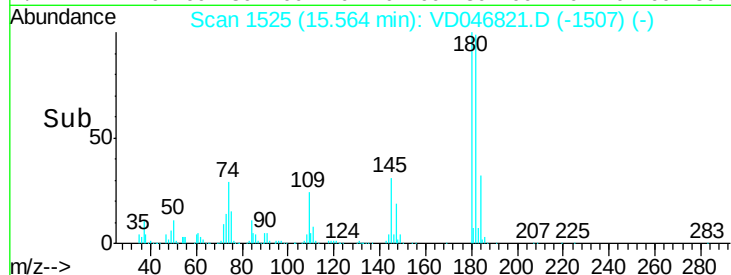
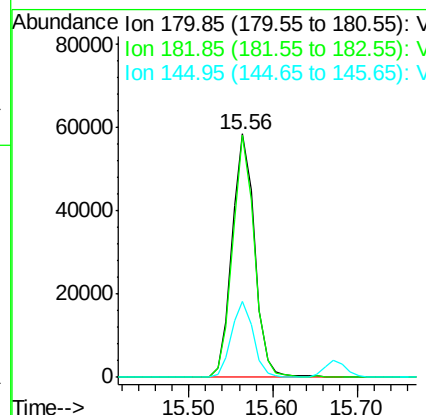
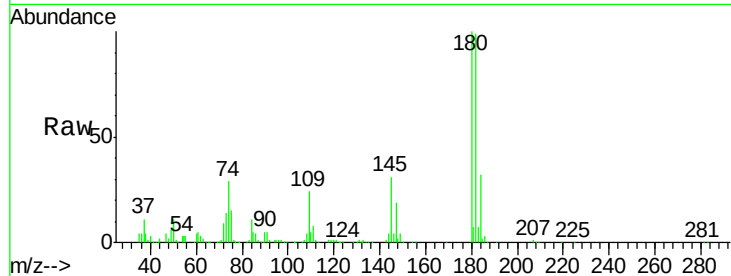




#93
 1,2,4-Trichlorobenzene
 Concen: 52.26 ug/l
 RT: 15.56 min Scan# 1525
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

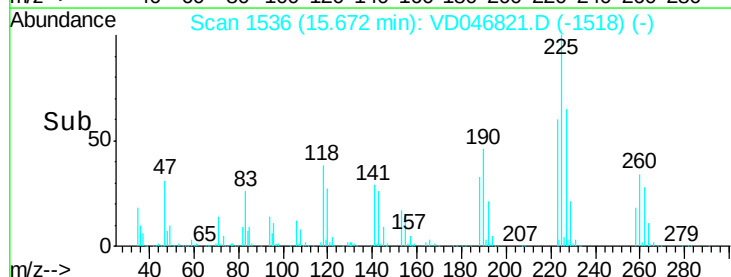
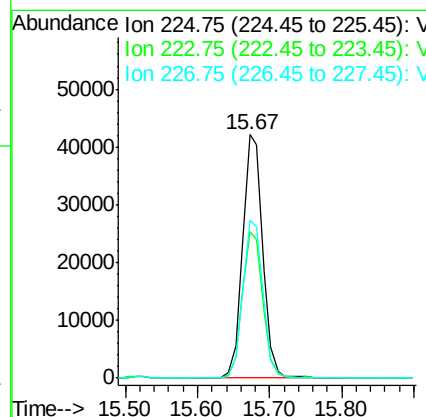
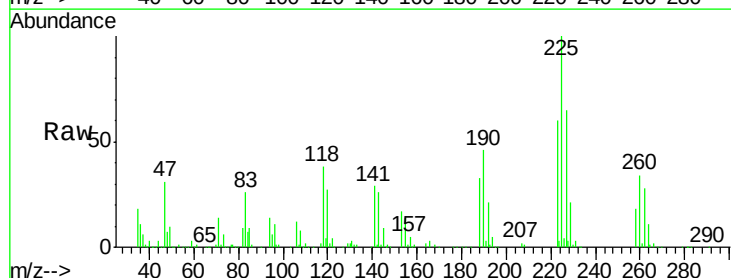
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

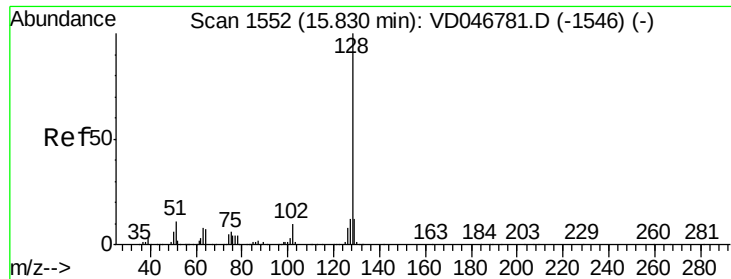
Tot Ion:180 Resp: 108443
 Ion Ratio Lower Upper
 180 100
 182 99.4 47.5 142.5
 145 31.0 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 48.13 ug/l
 RT: 15.67 min Scan# 1536
 Delta R.T. -0.02 min
 Lab File: VD046821.D
 Acq: 21 Sep 2015 21:35

Tgt Ion:225 Resp: 82222
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.4 91.2
 227 64.9 31.3 93.9





#95

Naphthalene

Concen: 53.46 ug/l

RT: 15.81 min Scan# 1550

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

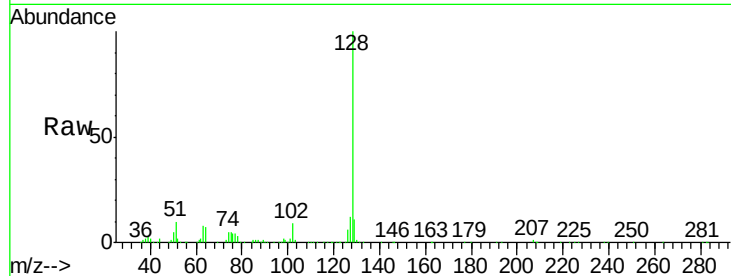
Tot Ion:128 Resp: 147322

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.6

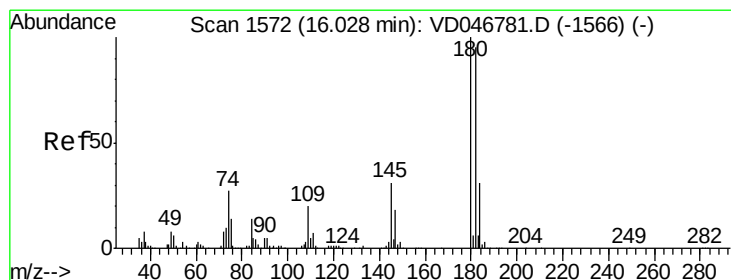
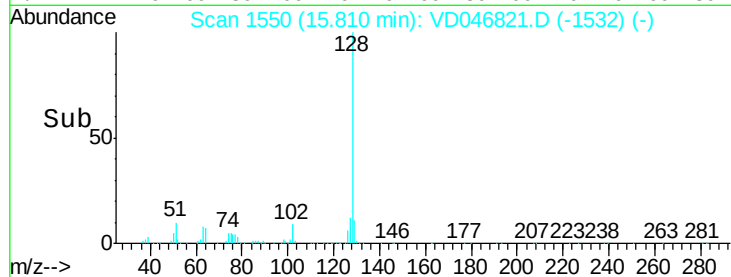
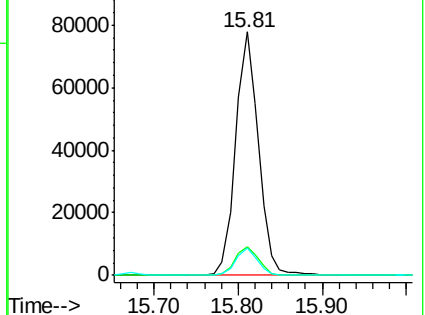
129 11.4 8.6 12.8



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: 52.00 ug/l

RT: 16.01 min Scan# 1570

Delta R.T. -0.02 min

Lab File: VD046821.D

Acq: 21 Sep 2015 21:35

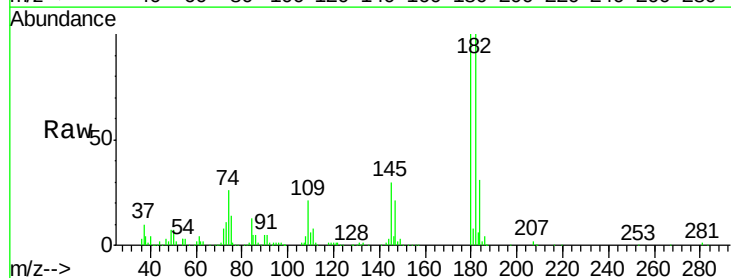
Tgt Ion:180 Resp: 90177

Ion Ratio Lower Upper

180 100

182 100.0 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

