

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
 Data File : VD046784.D
 Acq On : 18 Sep 2015 15:33
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Quant Time: Sep 18 16:22:59 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	224720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	288182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	256564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	121874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.72	65	115681	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	6.22	113	121635	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	9.63	98	398584	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
62) 4-Bromofluorobenzene	12.85	95	147623	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.43	85	98927	48.23	ug/l	99
3) Chlorodifluoromethane	1.44	51	94176	55.99	ug/l	100
4) Chloromethane	1.58	50	69893	52.76	ug/l	98
5) Vinyl Chloride	1.68	62	59719	48.00	ug/l	99
6) Bromomethane	1.98	94	60023	56.23	ug/l	95
7) Chloroethane	2.09	64	35664	45.79	ug/l	93
8) Trichlorofluoromethane	2.33	101	154472	41.97	ug/l	99
9) Diethyl Ether	2.64	74	33870	51.92	ug/l	82
10) 1,1,2-Trichlorotrifluoroet	2.89	101	105055	45.62	ug/l	97
11) Methyl Iodide	3.05	142	114415	42.80	ug/l	99
12) Tert butyl alcohol	3.69	59	19091	272.63	ug/l	98
13) 1,1-Dichloroethene	2.88	96	89781	49.87	ug/l	91
14) Acrolein	2.79	56	34273	287.13	ug/l	# 80
15) Allyl chloride	3.34	41	194386	53.18	ug/l	95
16) Acrylonitrile	3.84	53	74861	274.41	ug/l	93
17) Acetone	2.94	43	91134	230.85	ug/l	99
18) Carbon Disulfide	3.13	76	320718	47.55	ug/l	98
19) Methyl Acetate	3.34	43	118308	51.73	ug/l	97
20) Methyl tert-butyl Ether	3.91	73	146691	52.01	ug/l	94
21) Methylene Chloride	3.51	84	101972	47.57	ug/l	96
22) trans-1,2-Dichloroethene	3.90	96	103775	51.11	ug/l	93
23) Diisopropyl ether	4.66	45	337539	55.63	ug/l	96
24) Vinyl Acetate	4.61	43	486352	336.40	ug/l	98
25) 1,1-Dichloroethane	4.56	63	186587	49.92	ug/l	99
26) 2-Butanone	5.46	43	117551	264.94	ug/l	96
27) 2,2-Dichloropropane	5.43	77	170910	44.50	ug/l	98
28) cis-1,2-Dichloroethene	5.44	96	112142	53.05	ug/l	88
29) Bromochloromethane	5.79	49	78780	53.48	ug/l	100
30) Chloroform	5.98	83	214052	47.21	ug/l	100
31) Cyclohexane	6.28	56	171176	48.81	ug/l	95
32) 1,1,1-Trichloroethane	6.19	97	184900	45.80	ug/l	98
36) 1,1-Dichloropropene	6.43	75	163733	48.62	ug/l	97
37) Ethyl Acetate	5.55	43	55420	51.23	ug/l	98
38) Carbon Tetrachloride	6.41	117	156587	44.74	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	179390	52.57	ug/l	95
40) Benzene	6.73	78	418503	48.68	ug/l	98
41) Methacrylonitrile	5.76	41	35097	57.84	ug/l #	89
42) 1,2-Dichloroethane	6.84	62	126611	47.41	ug/l	97
43) Isopropyl Acetate	8.41	43	81346	57.04	ug/l #	99
44) Trichloroethene	7.75	130	106697	49.57	ug/l	98
45) 1,2-Dichloropropane	8.15	63	108228	50.81	ug/l	96
46) Dibromomethane	8.28	93	59148	48.91	ug/l	91
47) Bromodichloromethane	8.56	83	151490	47.72	ug/l	100
48) Methyl methacrylate	8.09	41	110325	50.60	ug/l	97
49) 1,4-Dioxane	8.31	88	9056	1122.85	ug/l #	83
51) 4-Methyl-2-Pentanone	9.49	43	293395	284.73	ug/l	94
52) Toluene	9.73	92	271665	51.23	ug/l	97
53) t-1,3-Dichloropropene	10.13	75	122185	52.13	ug/l	96
54) cis-1,3-Dichloropropene	9.23	75	157374	52.14	ug/l	97
55) 1,1,2-Trichloroethane	10.41	97	66277	48.27	ug/l	96
56) Ethyl methacrylate	10.25	69	69858	49.12	ug/l	98
57) 1,3-Dichloropropane	10.61	76	125574	49.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.04	63	180155	265.68	ug/l	99
59) 2-Hexanone	10.71	43	204548	274.76	ug/l	94
60) Dibromochloromethane	10.89	129	90740	48.15	ug/l	99
61) 1,2-Dibromoethane	11.03	107	66297	48.90	ug/l	99
64) Tetrachloroethene	10.47	164	106105	51.21	ug/l	93
65) Chlorobenzene	11.61	112	273861	50.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	96307	48.56	ug/l	97
67) Ethyl Benzene	11.74	91	561752	51.78	ug/l	99
68) m/p-Xylenes	11.88	106	355052	103.75	ug/l	99
69) o-Xylene	12.30	106	164675	53.46	ug/l	96
70) Styrene	12.32	104	272382	51.00	ug/l	97
71) Bromoform	12.51	173	53182	50.35	ug/l	99
73) Isopropylbenzene	12.67	105	478390	55.68	ug/l	98
74) N-amyl acetate	12.51	43	116085	53.38	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.99	83	70342	50.74	ug/l	95
76) 1,2,3-Trichloropropane	13.04	75	81143	54.71	ug/l	96
77) Bromobenzene	12.98	156	115605	53.51	ug/l	91
78) n-propylbenzene	13.08	91	646140	53.26	ug/l	97
79) 2-Chlorotoluene	13.17	91	358013	53.15	ug/l	99
80) 1,3,5-Trimethylbenzene	13.25	105	365800	53.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.74	75	20284	49.71	ug/l	95
82) 4-Chlorotoluene	13.27	91	414384	51.69	ug/l	94
83) tert-Butylbenzene	13.54	119	392889	63.65	ug/l	97
84) 1,2,4-Trimethylbenzene	13.59	105	365659	53.06	ug/l	94
85) sec-Butylbenzene	13.74	105	476478	52.52	ug/l	95
86) p-Isopropyltoluene	13.88	119	369569	51.82	ug/l	98
87) 1,3-Dichlorobenzene	13.85	146	202071	50.13	ug/l	95
88) 1,4-Dichlorobenzene	13.94	146	201921	50.37	ug/l	99
89) n-Butylbenzene	14.22	91	402167	49.95	ug/l	99
90) Hexachloroethane	14.49	117	78773	47.65	ug/l	90
91) 1,2-Dichlorobenzene	14.24	146	168663	49.81	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.89	75	8596	48.24	ug/l	76

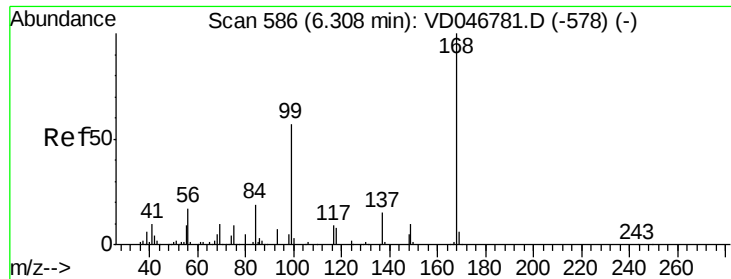
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	98809	50.68	ug/l	98
94) Hexachlorobutadiene	15.69	225	74057	46.14	ug/l	96
95) Naphthalene	15.83	128	127224	49.33	ug/l	98
96) 1,2,3-Trichlorobenzene	16.02	180	81907	50.27	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

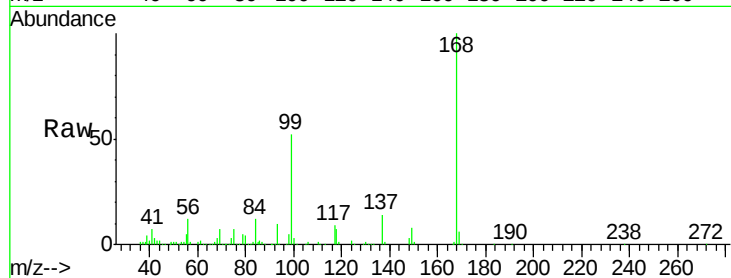
ICVVD091815

Tot Ion:168 Resp: 224720

Ion Ratio Lower Upper

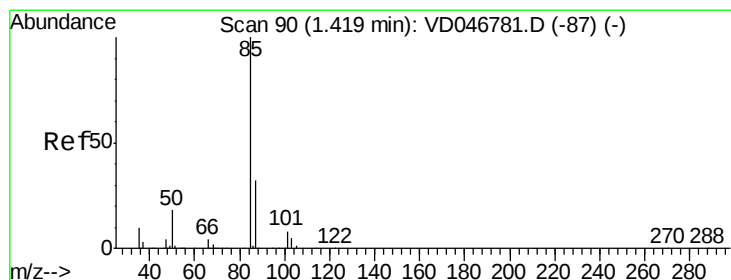
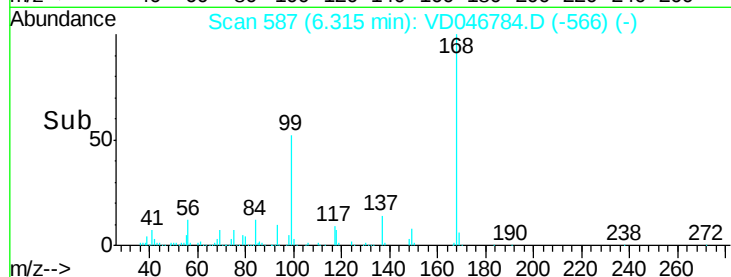
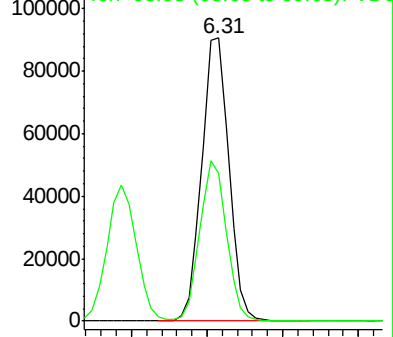
168 100

99 52.0 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.23 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VD046784.D

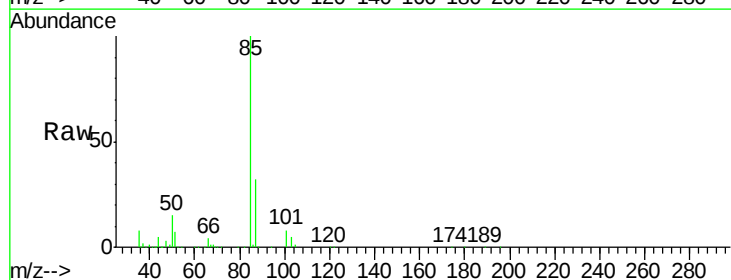
Acq: 18 Sep 2015 15:33

Tgt Ion: 85 Resp: 98927

Ion Ratio Lower Upper

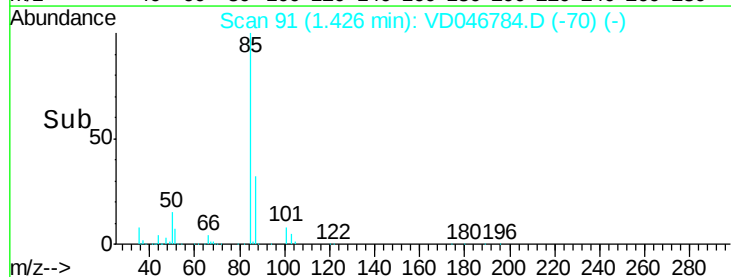
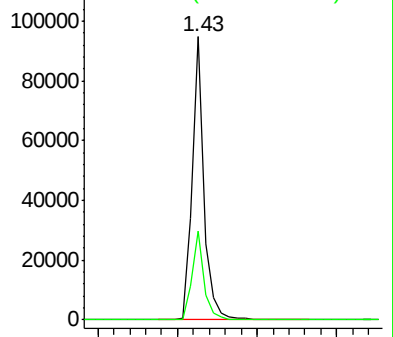
85 100

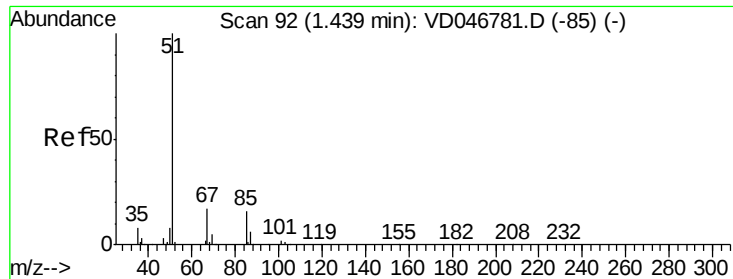
87 31.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

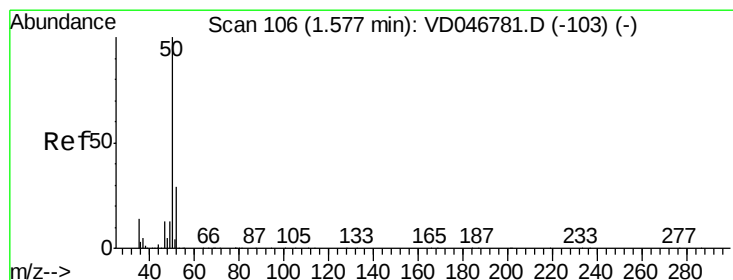
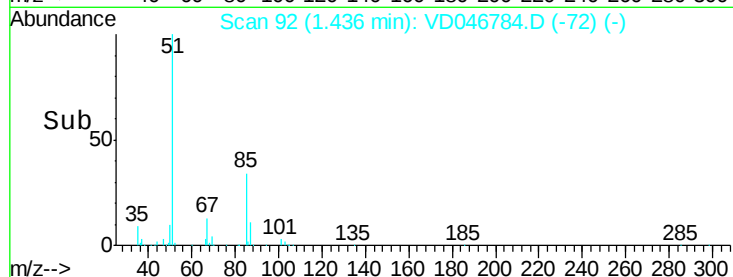
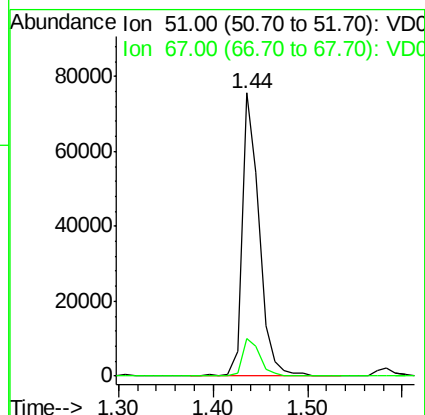
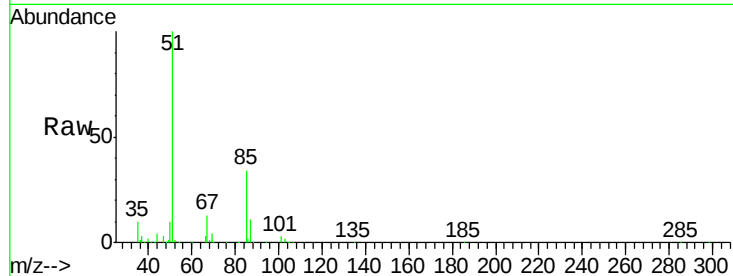




#3
 Chlorodifluoromethane
 Concen: 55.99 ug/l
 RT: 1.44 min Scan# 92
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

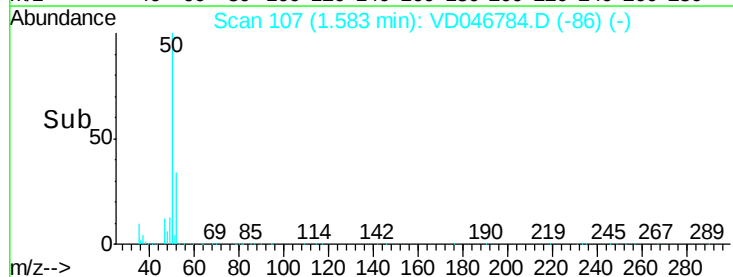
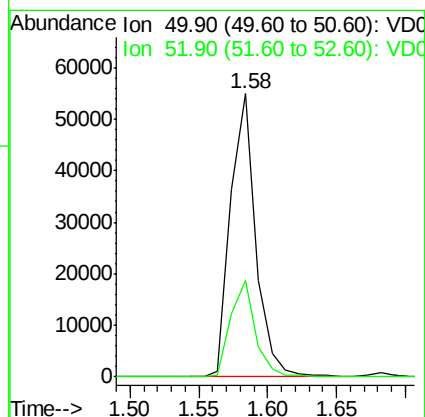
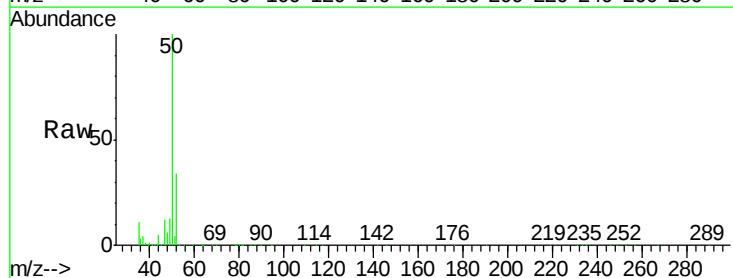
Instrument :
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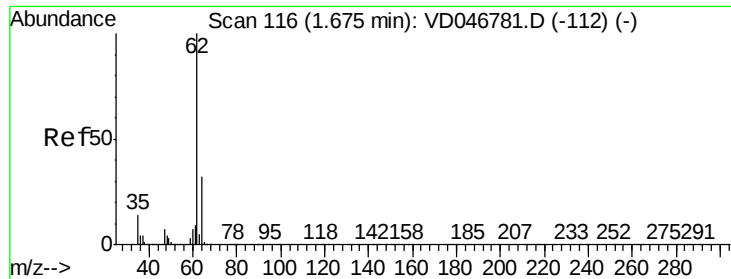
Tot Ion: 51 Resp: 94176
 Ion Ratio Lower Upper
 51 100
 67 13.8 10.9 16.3



#4
 Chloromethane
 Concen: 52.76 ug/l
 RT: 1.58 min Scan# 107
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion: 50 Resp: 69893
 Ion Ratio Lower Upper
 50 100
 52 33.9 26.2 39.2





#5

Vinyl Chloride

Concen: 48.00 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

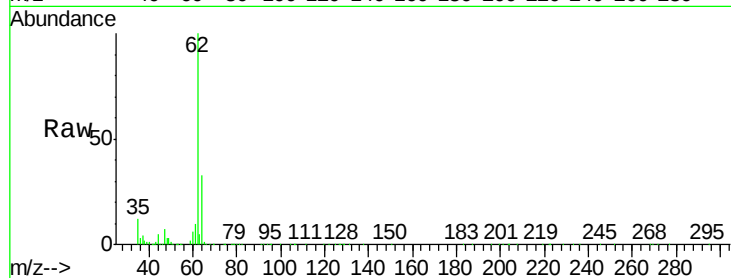
ICVVD091815

Tot Ion: 62 Resp: 59719

Ion Ratio Lower Upper

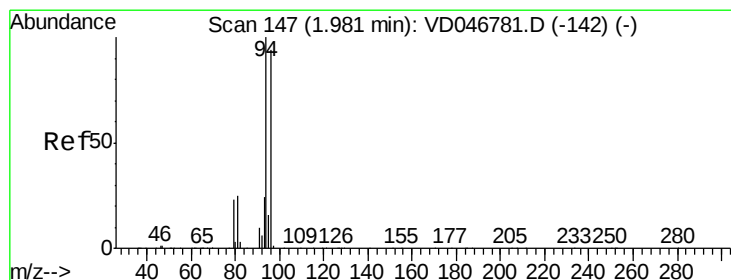
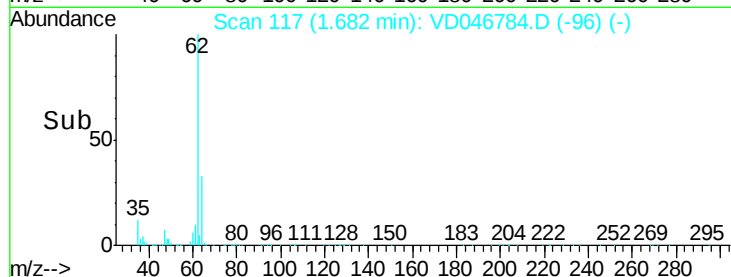
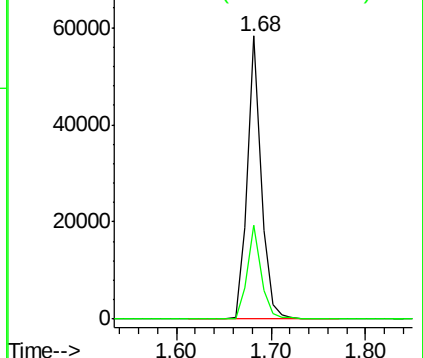
62 100

64 33.3 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: 56.23 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046784.D

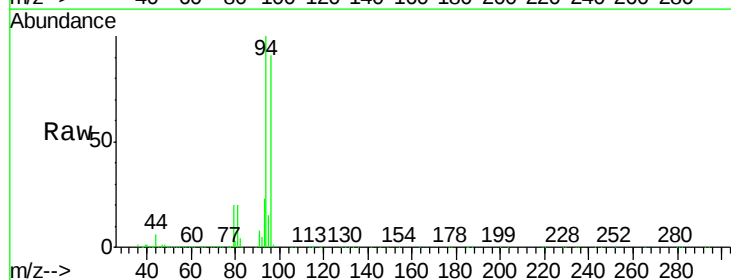
Acq: 18 Sep 2015 15:33

Tgt Ion: 94 Resp: 60023

Ion Ratio Lower Upper

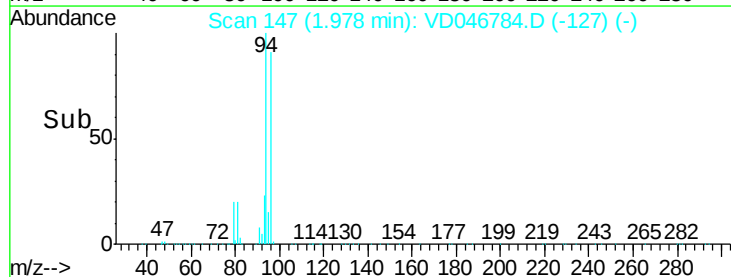
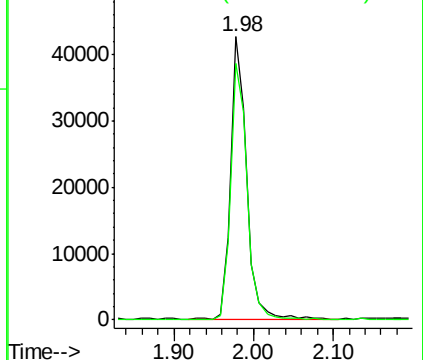
94 100

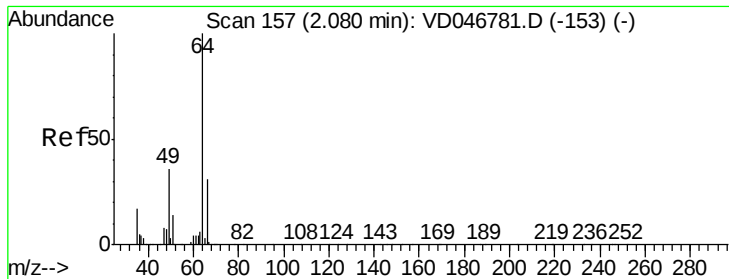
96 90.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 45.79 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

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ClientSampleId :

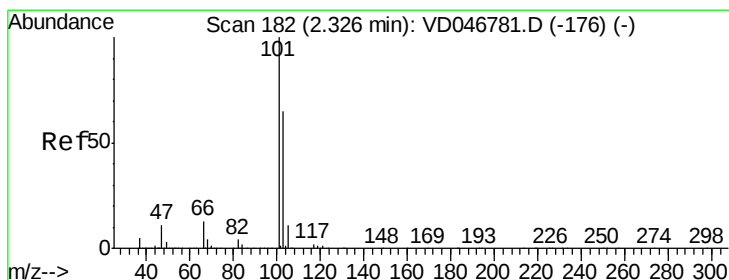
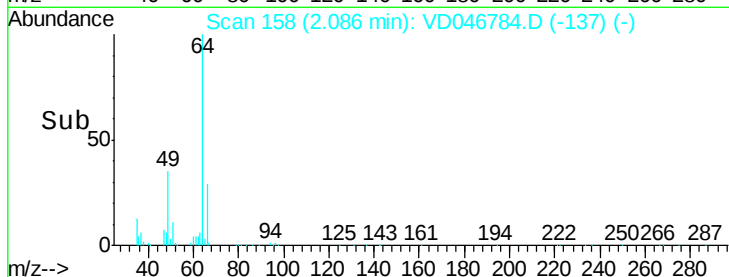
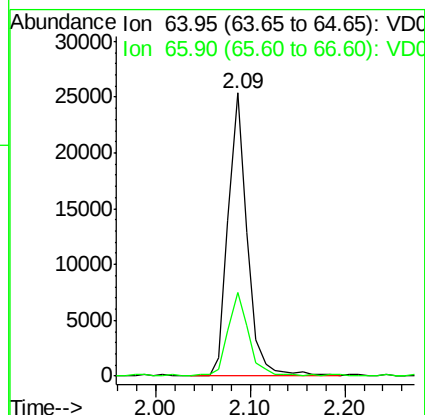
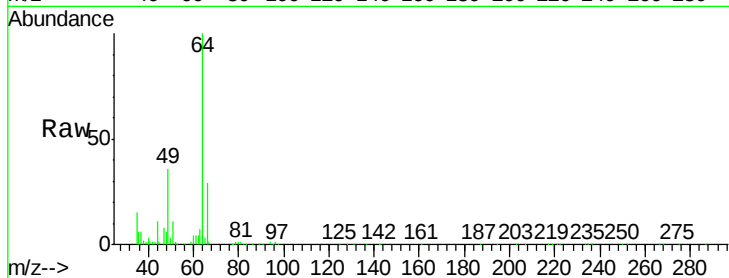
ICVVD091815

Tot Ion: 64 Resp: 35664

Ion Ratio Lower Upper

64 100

66 29.5 26.6 39.8



#8

Trichlorofluoromethane

Concen: 41.97 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD046784.D

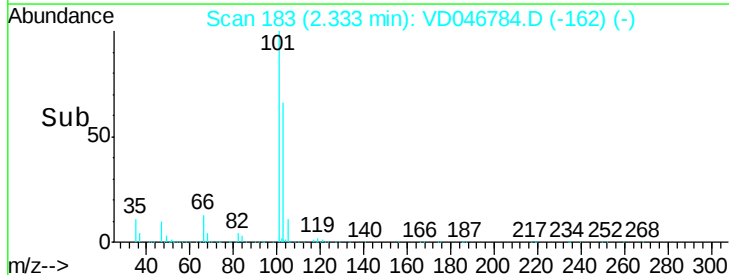
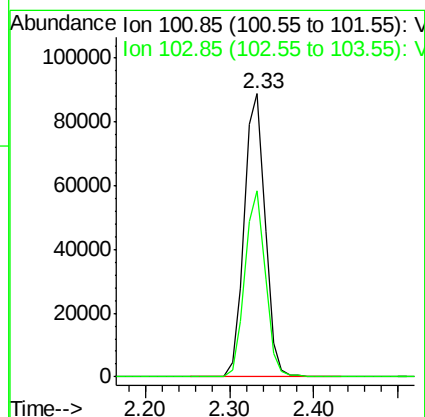
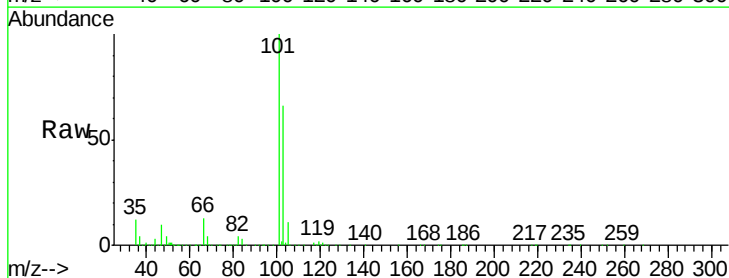
Acq: 18 Sep 2015 15:33

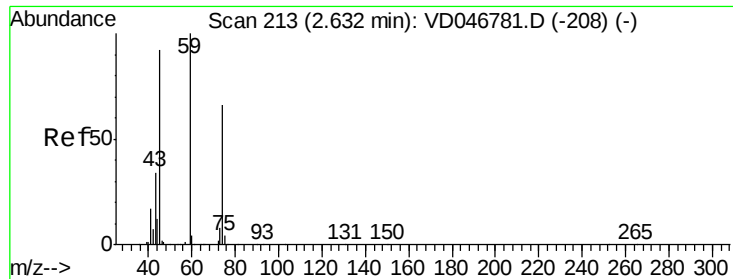
Tgt Ion: 101 Resp: 154472

Ion Ratio Lower Upper

101 100

103 65.7 53.2 79.8





#9

Diethyl Ether

Concen: 51.92 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

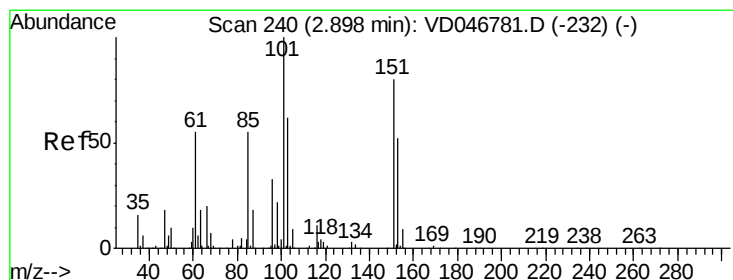
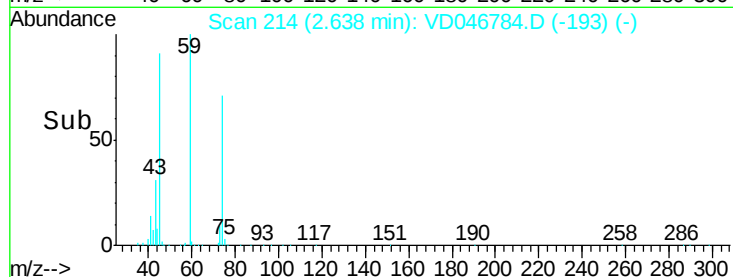
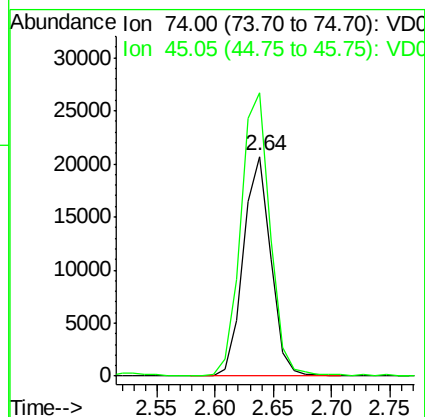
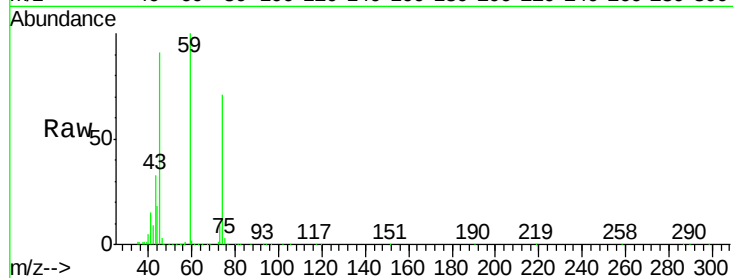
ICVVD091815

Tot Ion: 74 Resp: 33870

Ion Ratio Lower Upper

74 100

45 129.0 76.2 228.6



#10

1,1,2-Trichlorotrifluoroethane

Concen: 45.62 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

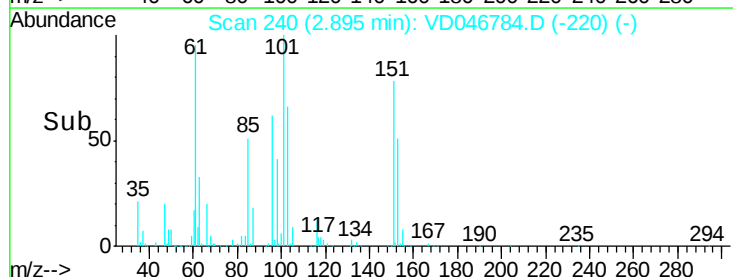
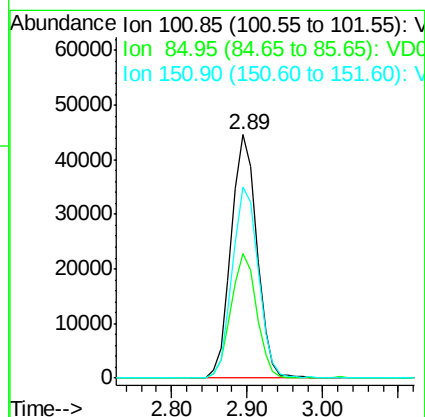
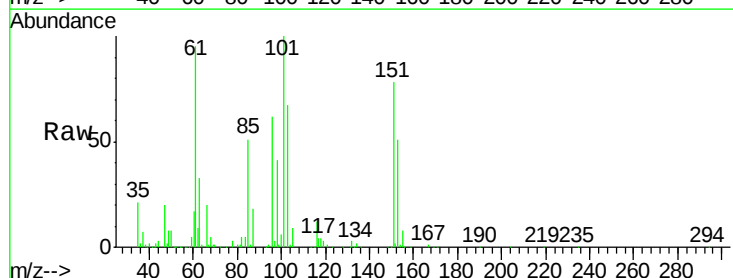
Tgt Ion: 101 Resp: 105055

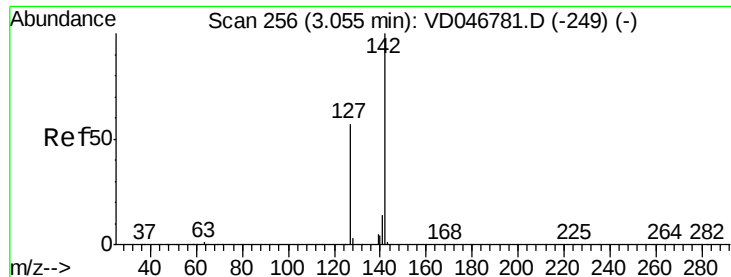
Ion Ratio Lower Upper

101 100

85 51.1 42.0 63.0

151 78.4 65.2 97.8

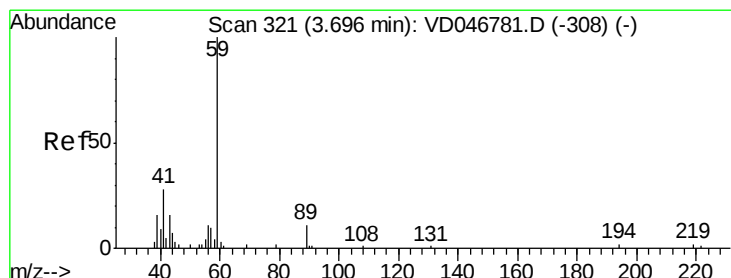
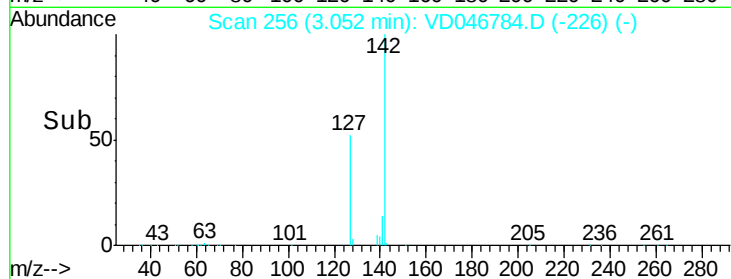
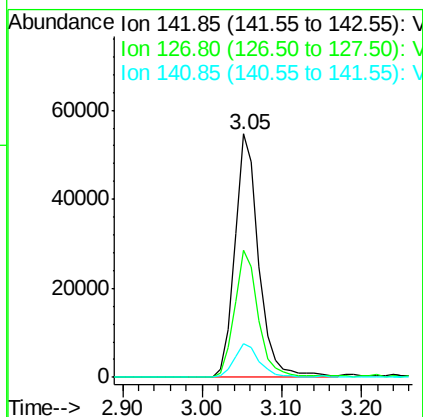
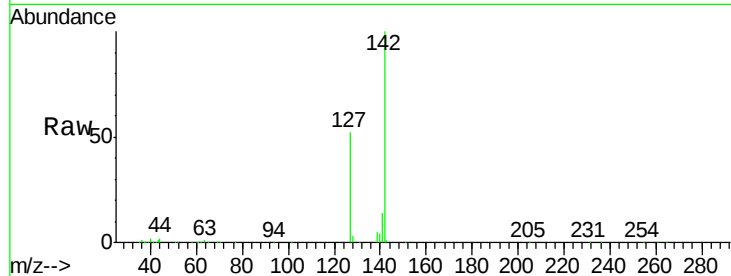




#11
Methvl Iodide
Concen: 42.80 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

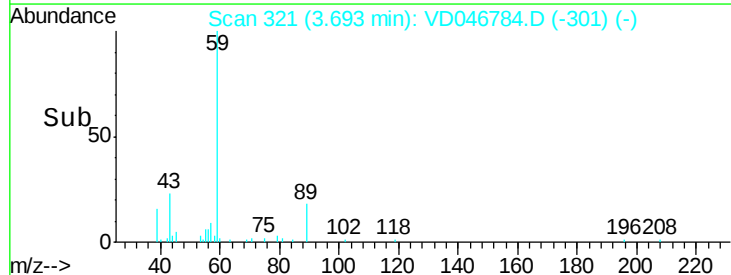
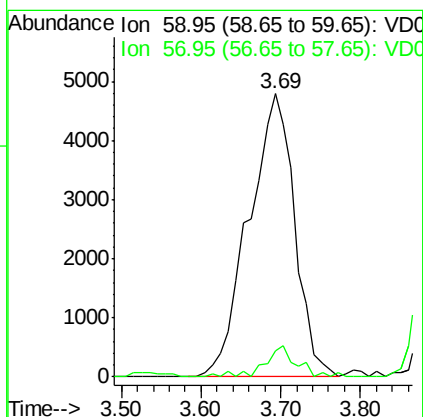
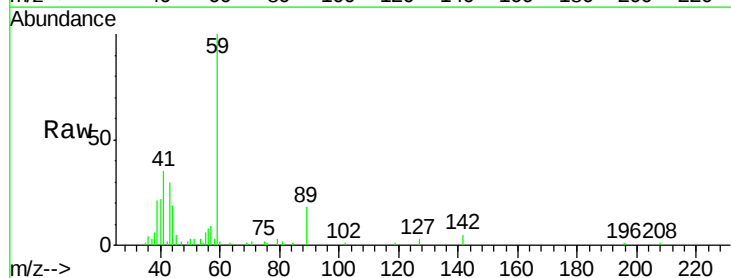
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

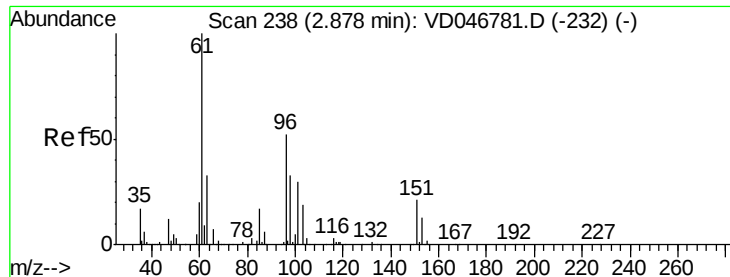
Tot Ion:142 Resp: 114415
Ion Ratio Lower Upper
142 100
127 52.4 41.2 61.8
141 13.6 11.6 17.4



#12
Tert butyl alcohol
Concen: 272.63 ug/l
RT: 3.69 min Scan# 321
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion: 59 Resp: 19091
Ion Ratio Lower Upper
59 100
57 9.0 7.8 11.6





#13

1,1-Dichloroethene

Concen: 49.87 ug/l

RT: 2.88 min Scan# 239

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

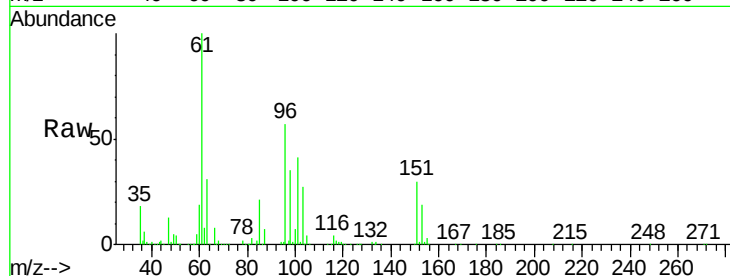
Tot Ion: 96 Resp: 89781

Ion Ratio Lower Upper

96 100

61 175.4 152.2 228.4

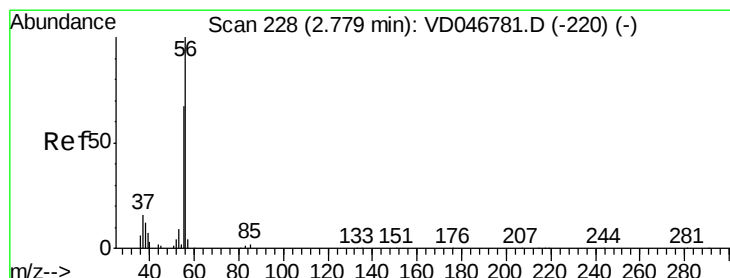
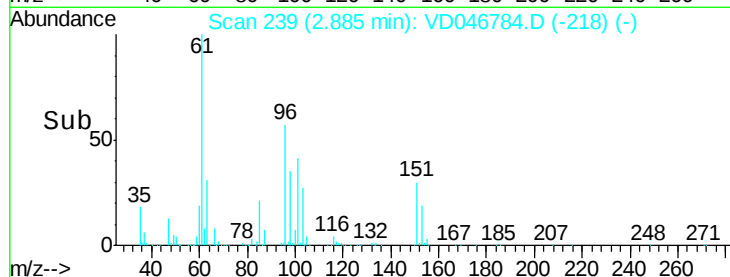
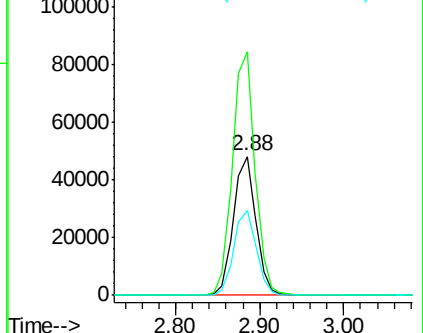
98 61.0 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#14

Acrolein

Concen: 287.13 ug/l

RT: 2.79 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD046784.D

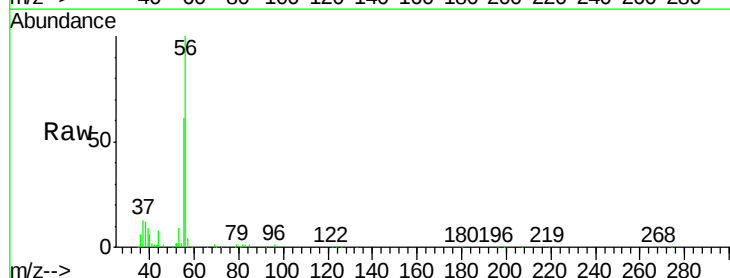
Acq: 18 Sep 2015 15:33

Tgt Ion: 56 Resp: 34273

Ion Ratio Lower Upper

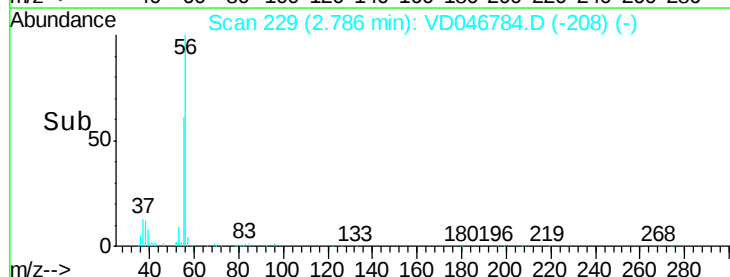
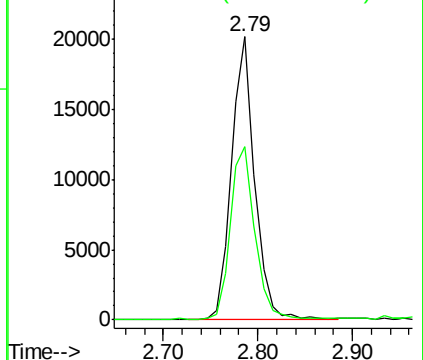
56 100

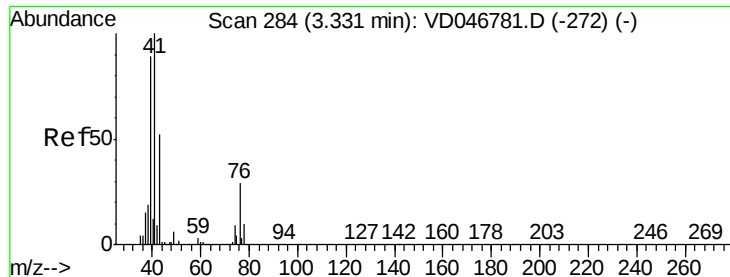
55 61.2 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

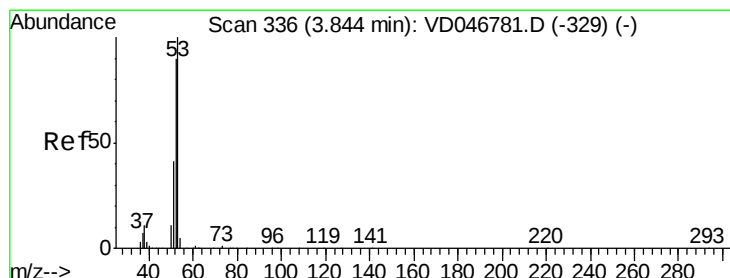
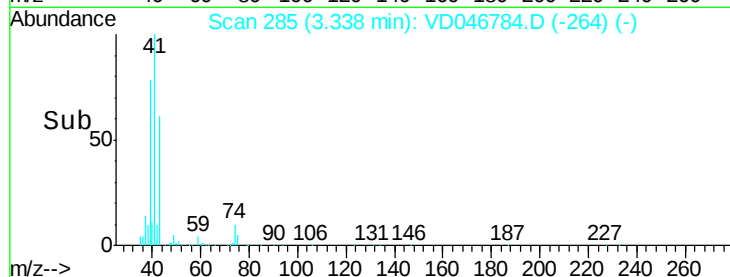
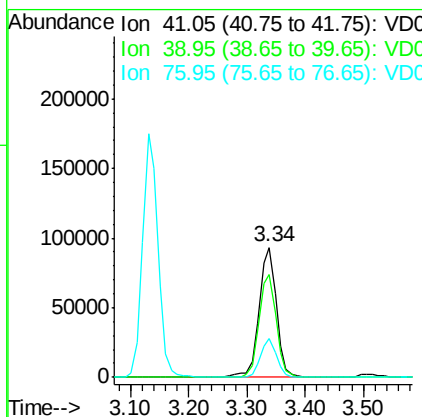
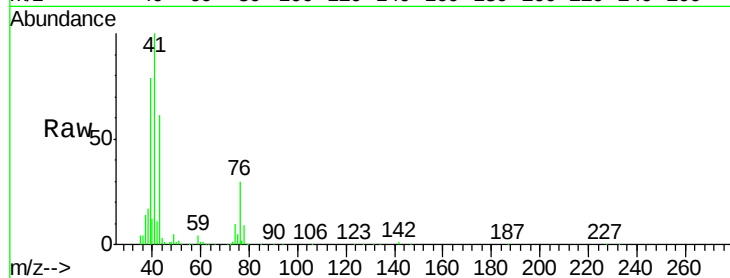




#15
Allvl chloride
Concen: 53.18 ug/l
RT: 3.34 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

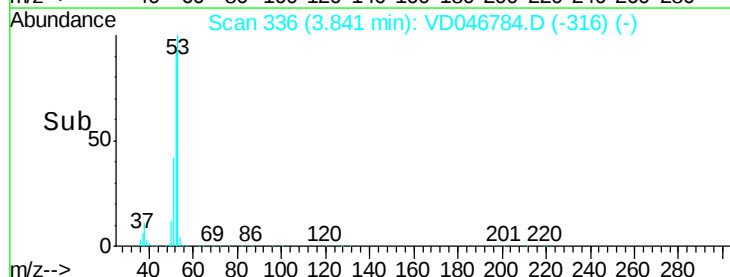
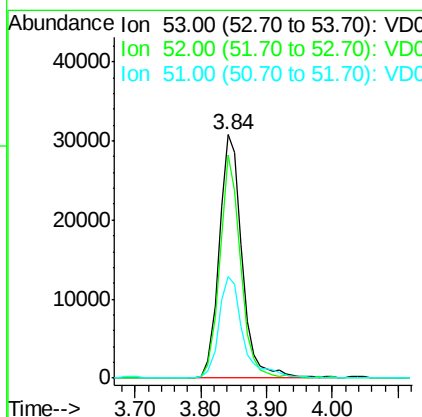
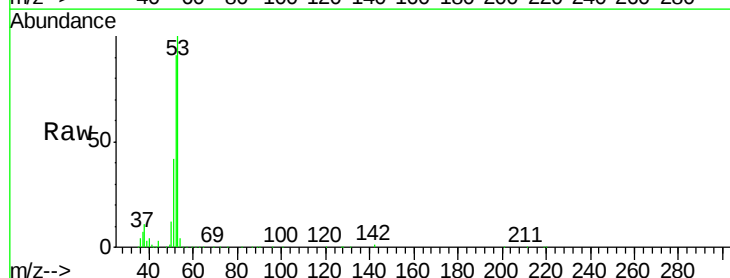
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

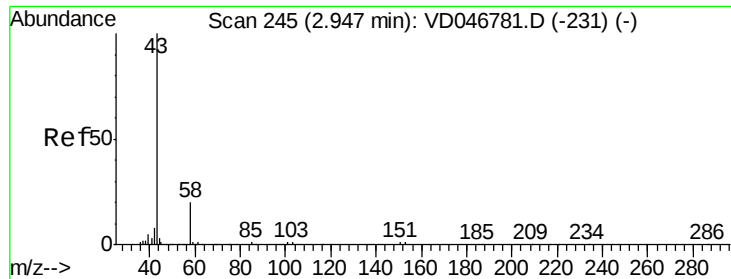
Tot Ion: 41 Resp: 194386
Ion Ratio Lower Upper
41 100
39 78.8 58.8 88.2
76 30.1 22.7 34.1



#16
Acrylonitrile
Concen: 274.41 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion: 53 Resp: 74861
Ion Ratio Lower Upper
53 100
52 91.5 66.8 100.2
51 41.7 31.2 46.8





#17

Acetone

Concen: 230.85 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

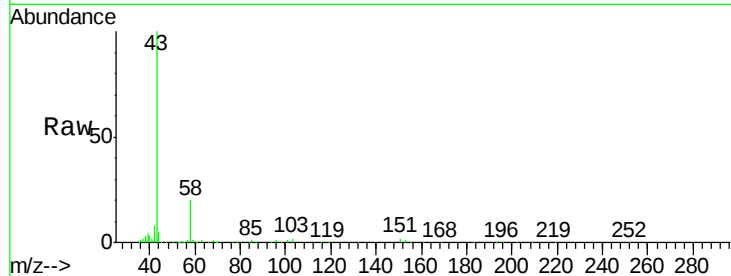
ICVVD091815

Tot Ion: 43 Resp: 91134

Ion Ratio Lower Upper

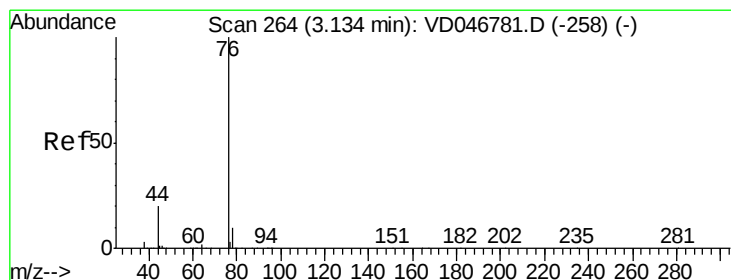
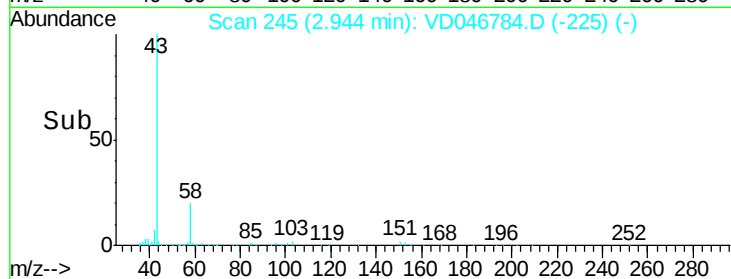
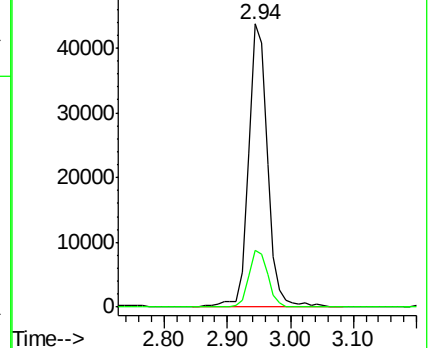
43 100

58 20.1 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 47.55 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.00 min

Lab File: VD046784.D

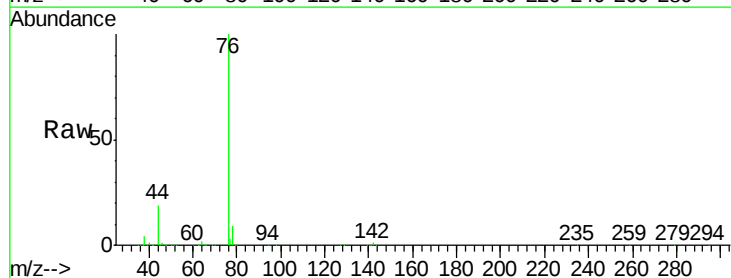
Acq: 18 Sep 2015 15:33

Tgt Ion: 76 Resp: 320718

Ion Ratio Lower Upper

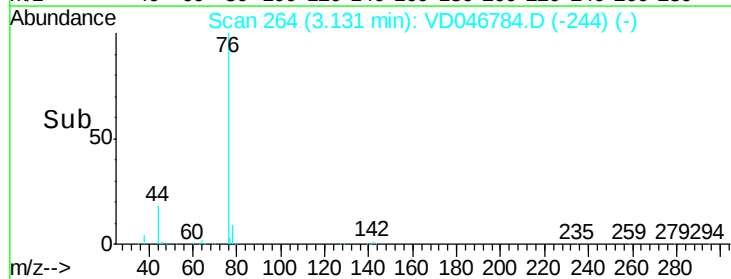
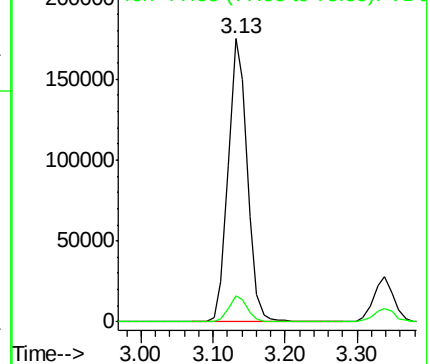
76 100

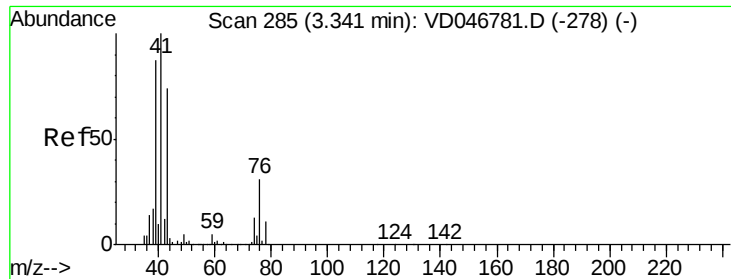
78 9.1 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

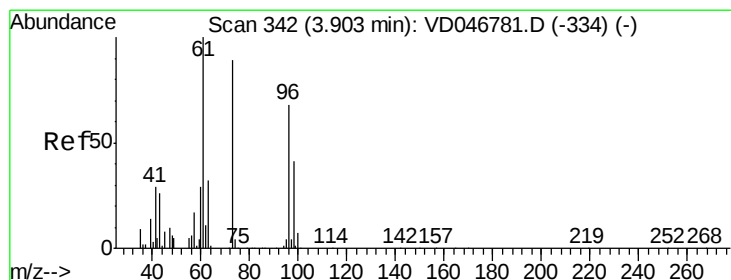
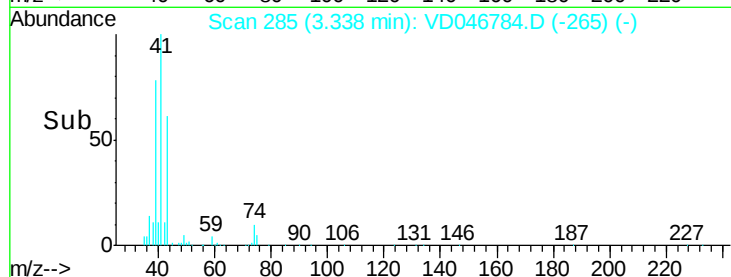
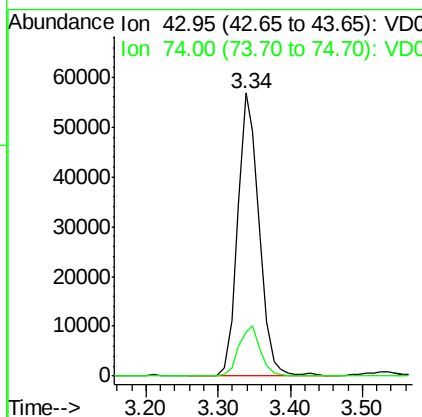
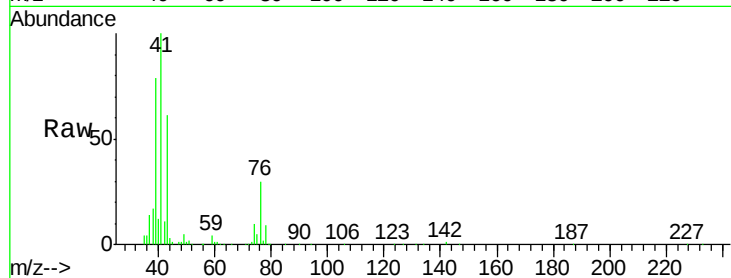




#19
Methvl Acetate
Concen: 51.73 ug/l
RT: 3.34 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

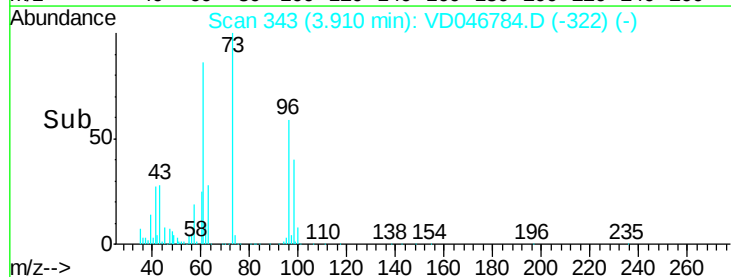
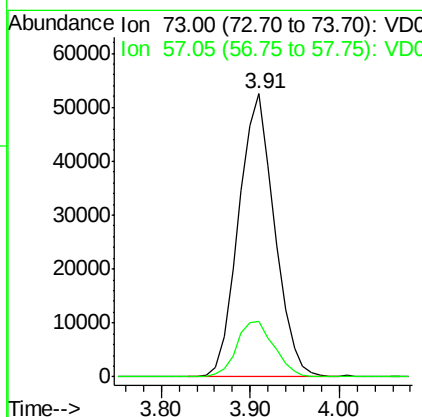
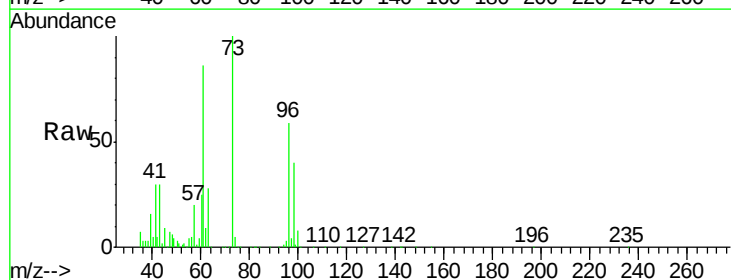
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

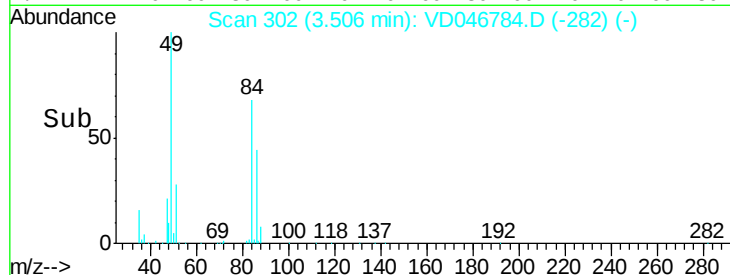
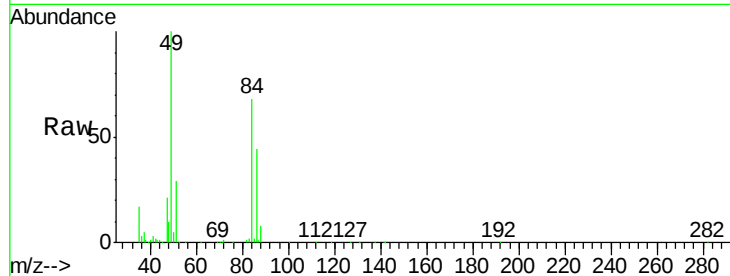
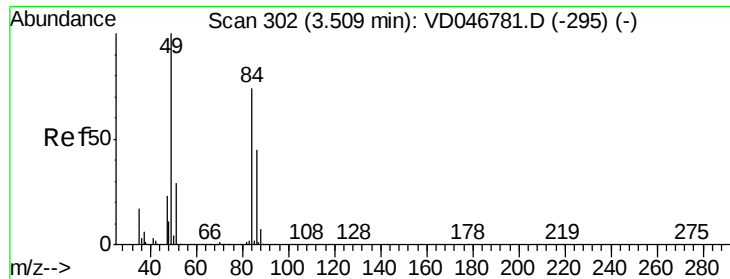
Tot Ion: 43 Resp: 118308
Ion Ratio Lower Upper
43 100
74 15.7 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 52.01 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion: 73 Resp: 146691
Ion Ratio Lower Upper
73 100
57 19.7 18.1 27.1

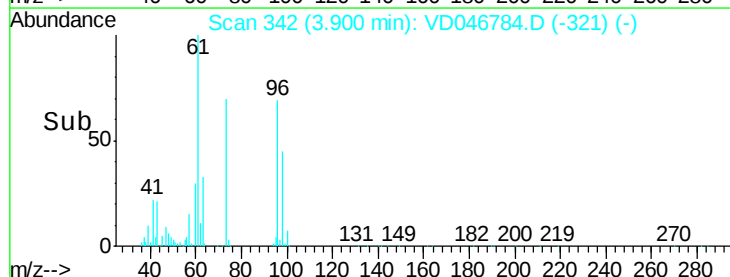
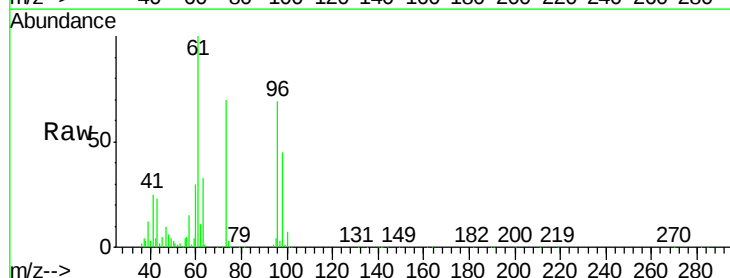
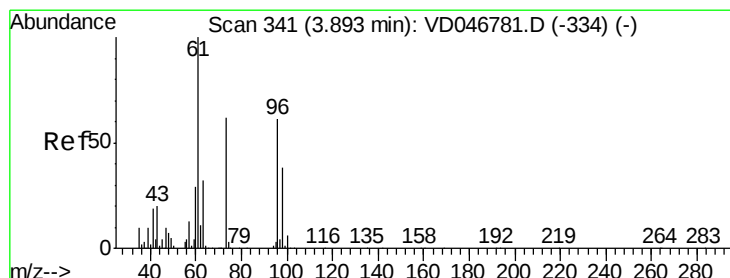
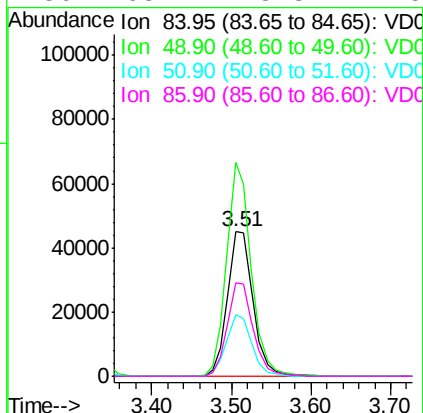




#21
Methylene Chloride
Concen: 47.57 ug/l
RT: 3.51 min Scan# 302
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

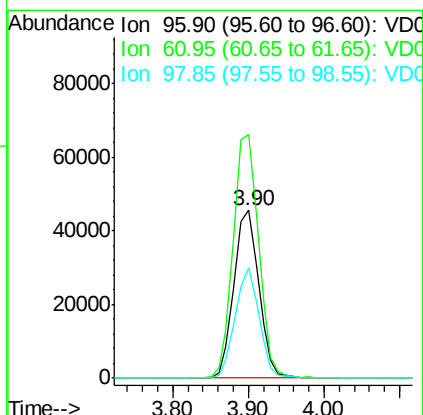
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

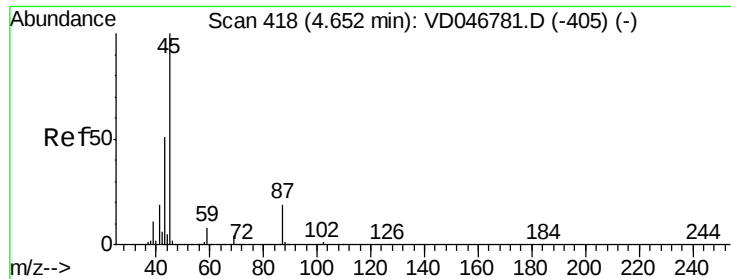
Tot Ion:	84	Resp:	101972
Ion	Ratio	Lower	Upper
84	100		
49	147.9	122.1	183.1
51	42.2	33.6	50.4
86	65.1	48.3	72.5



#22
trans-1,2-Dichloroethene
Concen: 51.11 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion:	96	Resp:	103775
Ion	Ratio	Lower	Upper
96	100		
61	145.0	125.8	188.6
98	65.9	54.5	81.7

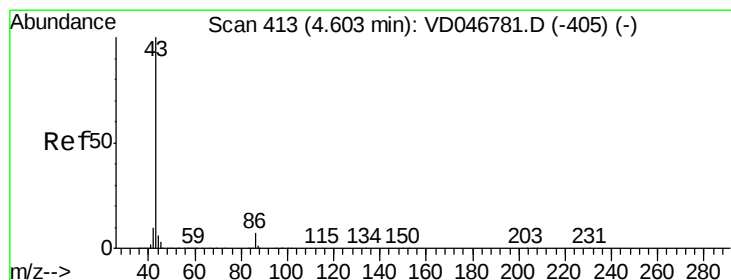
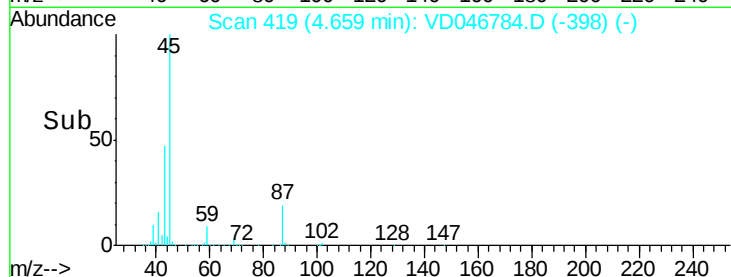
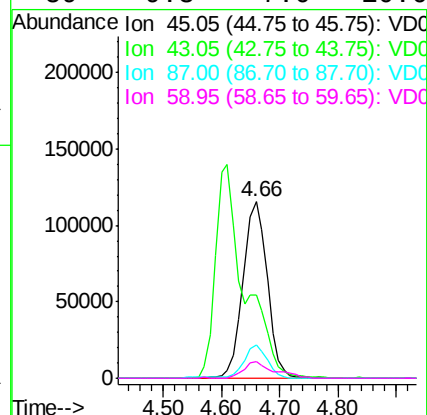
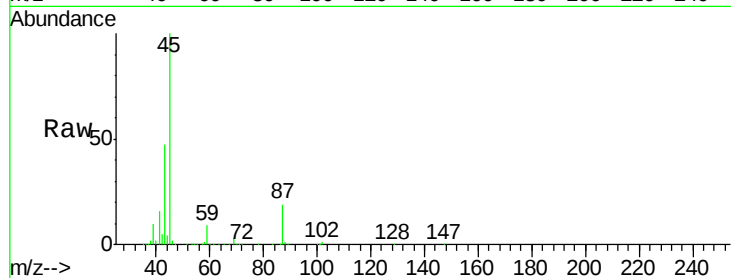




#23
Diisopropyl ether
Concen: 55.63 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

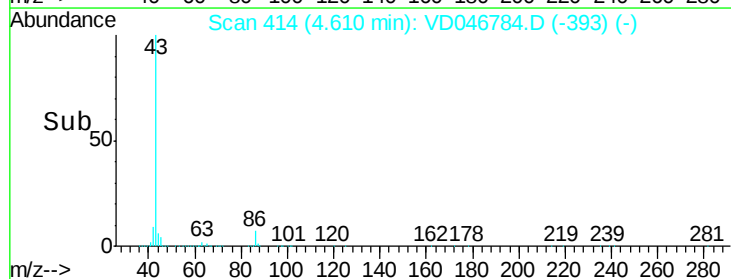
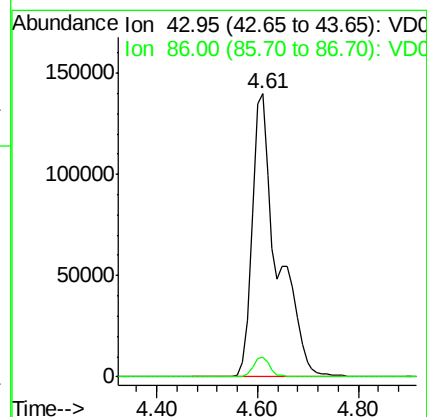
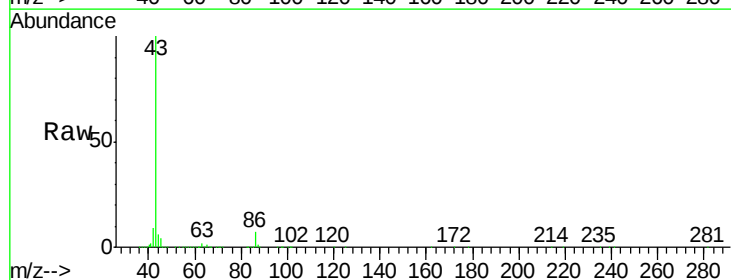
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

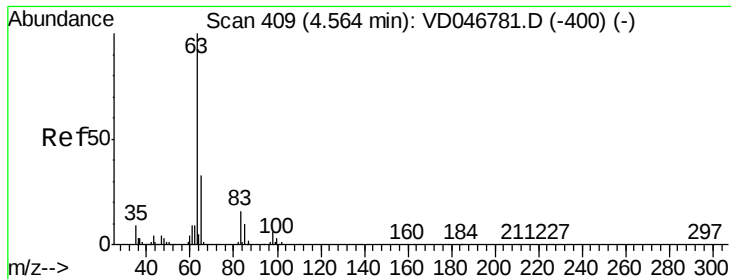
Tot Ion:	45	Resp:	337539
Ion	Ratio	Lower	Upper
45	100		
43	47.3	35.9	53.9
87	19.0	13.0	19.6
59	9.3	7.0	10.6



#24
Vinyl Acetate
Concen: 336.40 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion:	43	Resp:	486352
Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.9	7.3





#25

1,1-Dichloroethane

Concen: 49.92 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

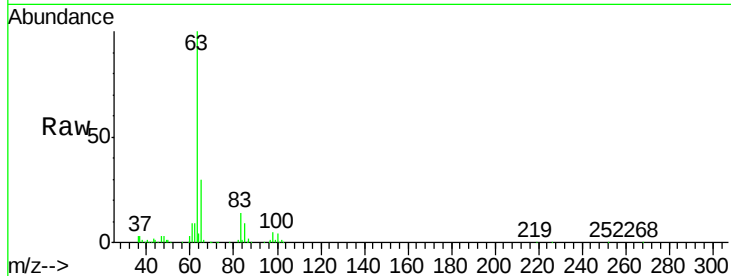
Tot Ion: 63 Resp: 186587

Ion Ratio Lower Upper

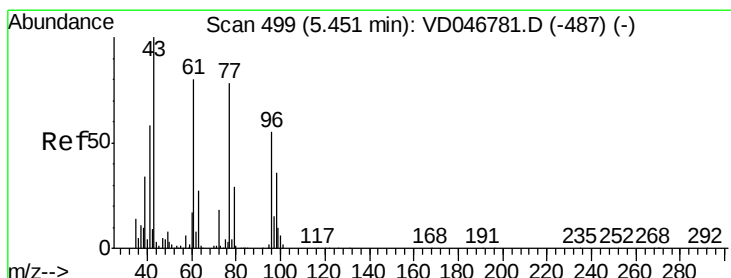
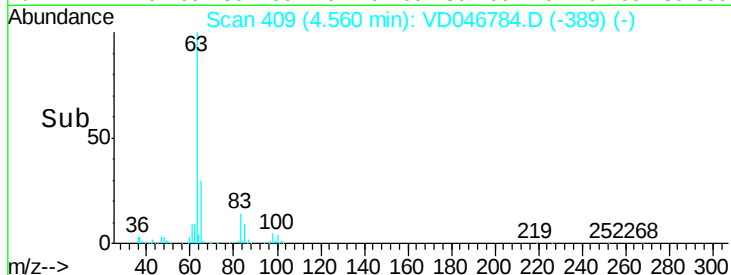
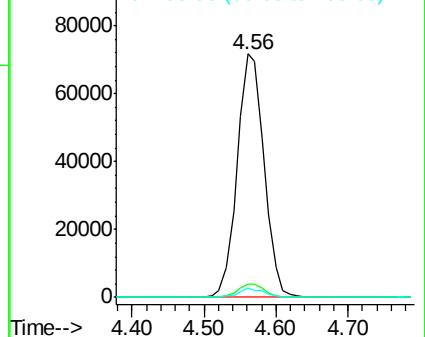
63 100

98 5.3 2.5 7.5

100 3.7 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: 264.94 ug/l

RT: 5.46 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD046784.D

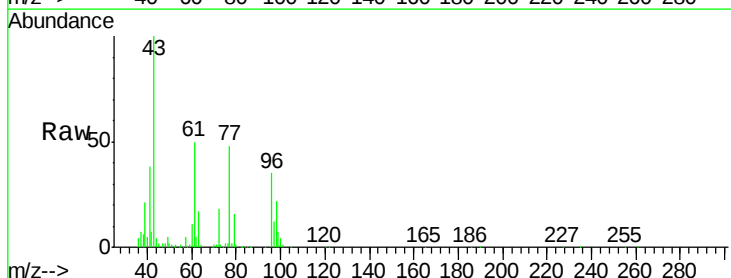
Acq: 18 Sep 2015 15:33

Tgt Ion: 43 Resp: 117551

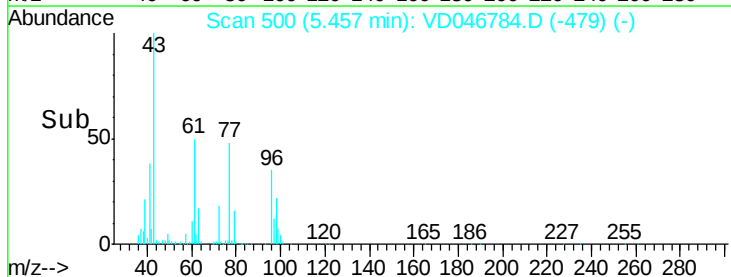
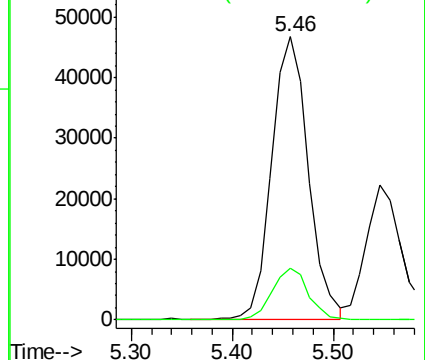
Ion Ratio Lower Upper

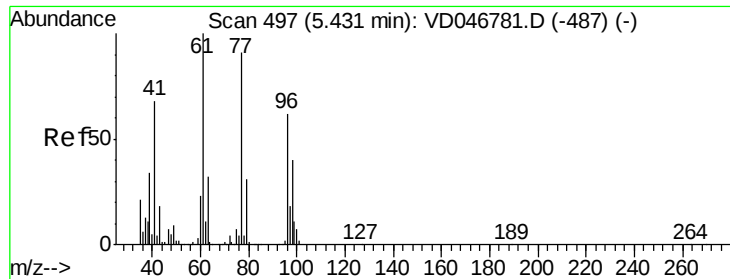
43 100

72 18.4 13.4 20.0



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

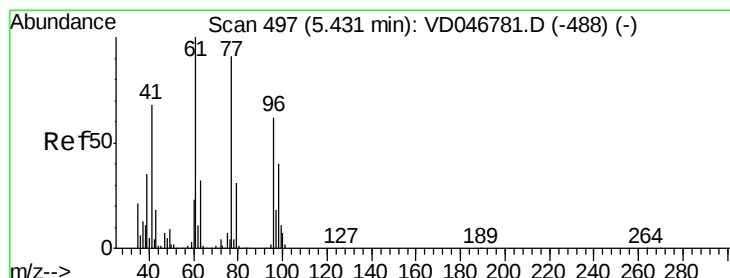
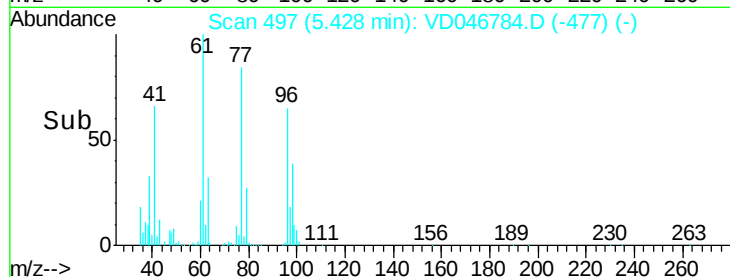
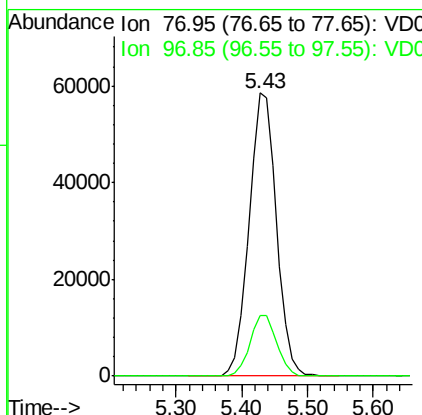
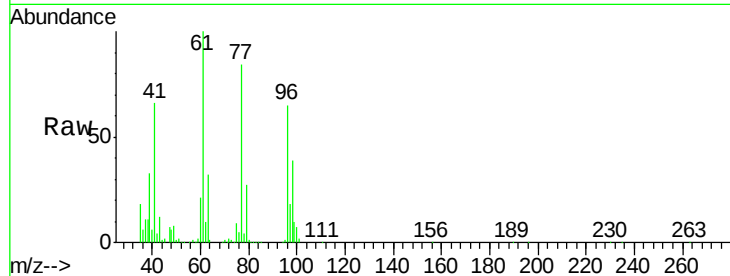




#27
 2,2-Dichloropropane
 Concen: 44.50 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

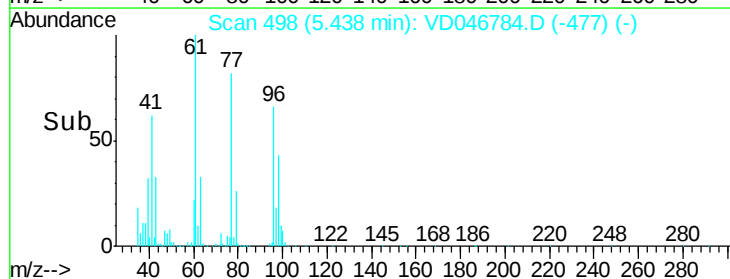
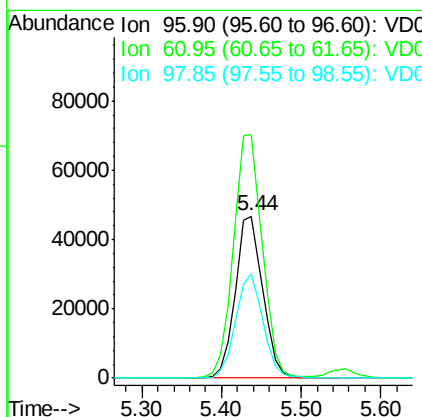
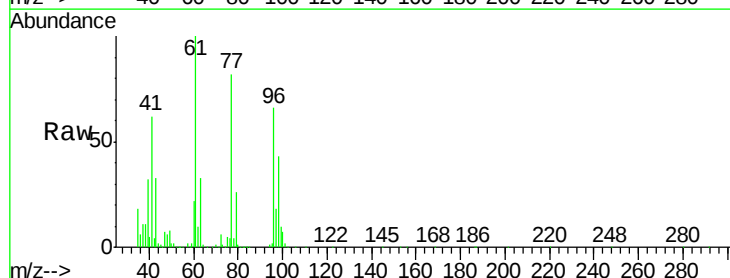
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

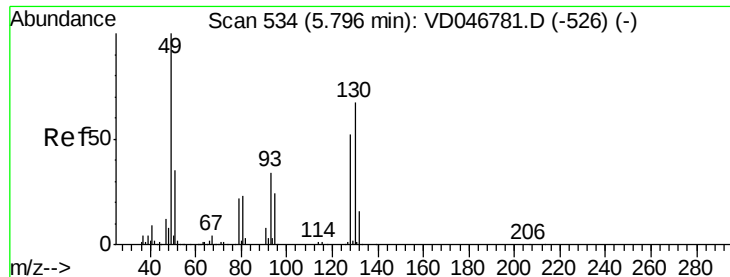
Tot Ion: 77 Resp: 170910
 Ion Ratio Lower Upper
 77 100
 97 21.5 10.4 31.1



#28
 cis-1,2-Dichloroethene
 Concen: 53.05 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion: 96 Resp: 112142
 Ion Ratio Lower Upper
 96 100
 61 150.5 0.0 348.0
 98 64.4 0.0 128.8





#29

Bromochloromethane

Concen: 53.48 ug/l

RT: 5.79 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

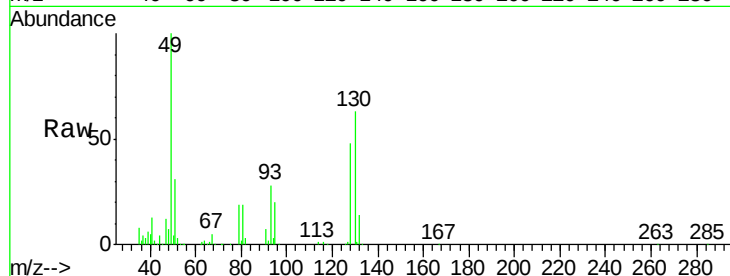
Tot Ion: 49 Resp: 78780

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

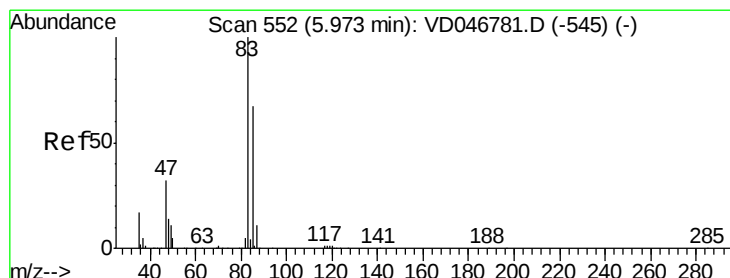
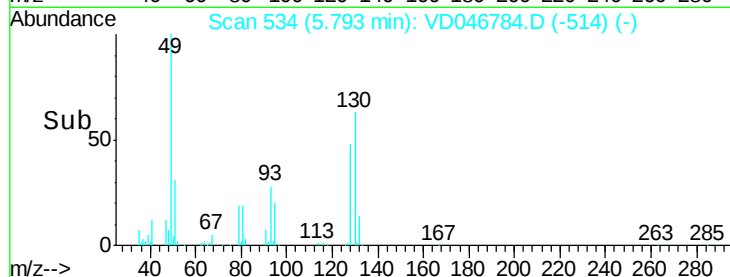
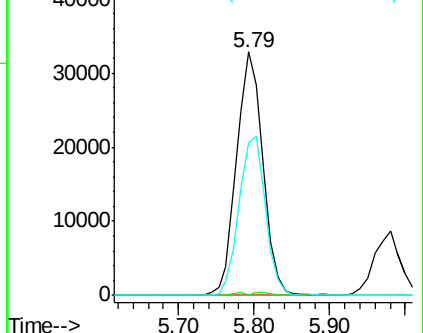
130 62.5 50.2 75.4



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: 47.21 ug/l

RT: 5.98 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD046784.D

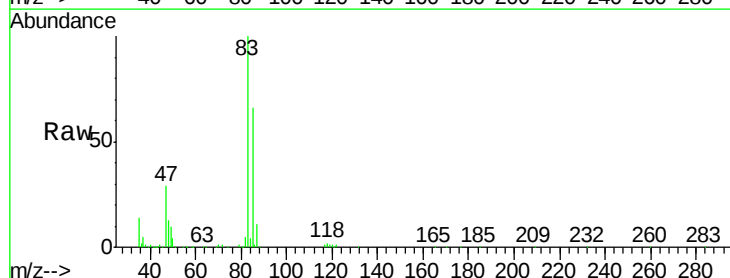
Acq: 18 Sep 2015 15:33

Tgt Ion: 83 Resp: 214052

Ion Ratio Lower Upper

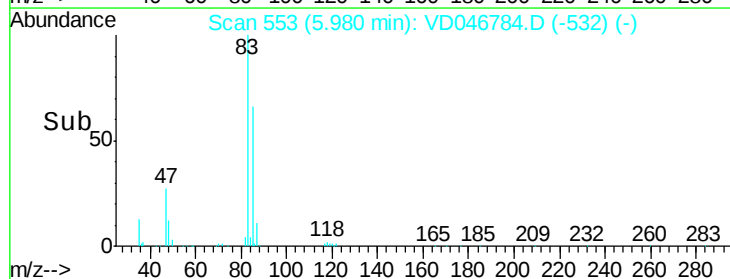
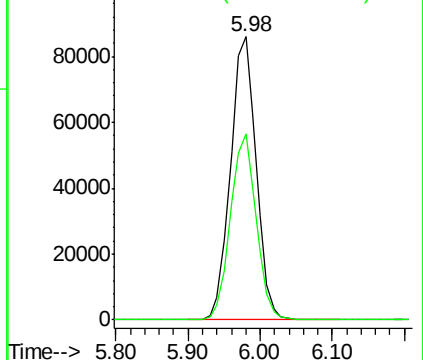
83 100

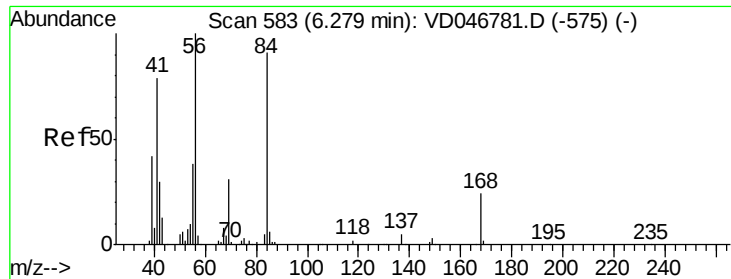
85 65.7 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

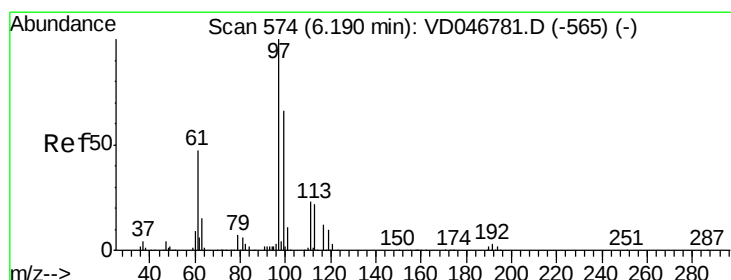
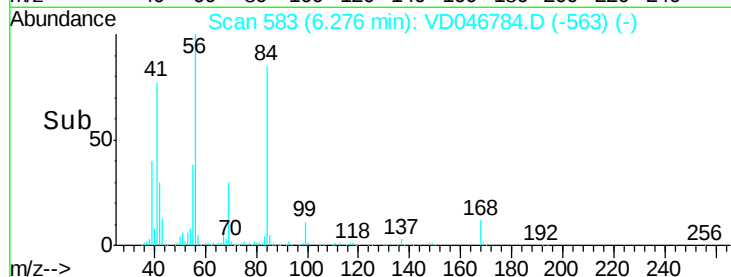
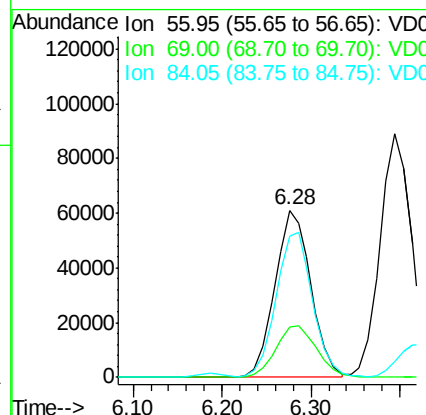
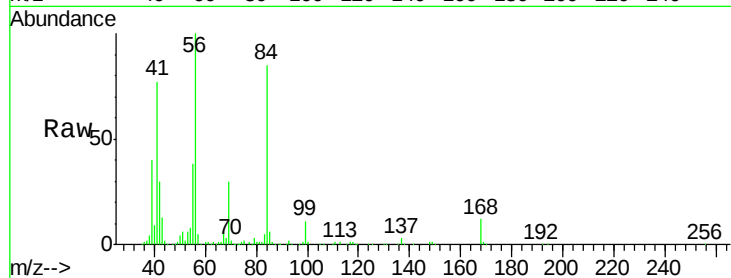




#31
Cyclohexane
Concen: 48.81 ug/l
RT: 6.28 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

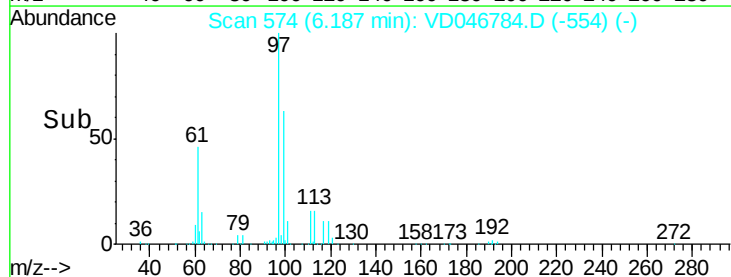
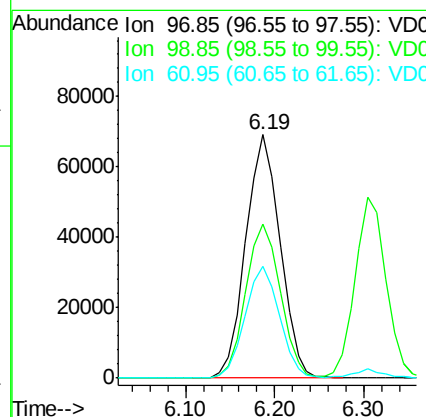
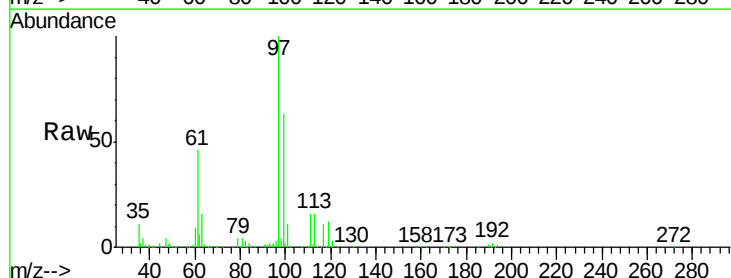
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

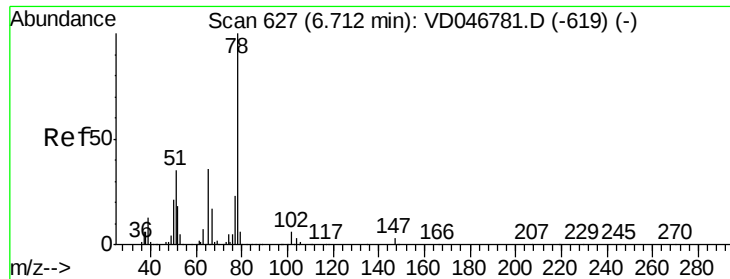
Tot Ion: 56 Resp: 171176
Ion Ratio Lower Upper
56 100
69 30.4 23.4 35.0
84 84.8 63.8 95.8



#32
1,1,1-Trichloroethane
Concen: 45.80 ug/l
RT: 6.19 min Scan# 574
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion: 97 Resp: 184900
Ion Ratio Lower Upper
97 100
99 63.2 50.2 75.4
61 45.7 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 45.80 ug/l

RT: 6.72 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

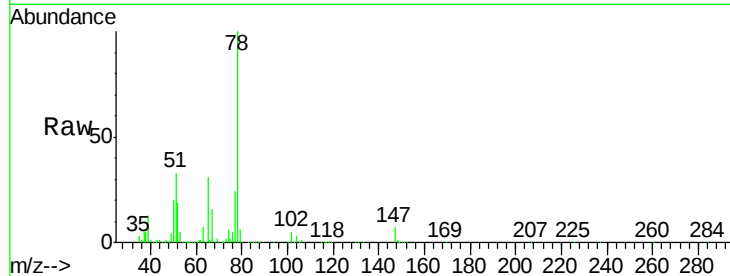
ICVVD091815

Tot Ion: 65 Resp: 115681

Ion Ratio Lower Upper

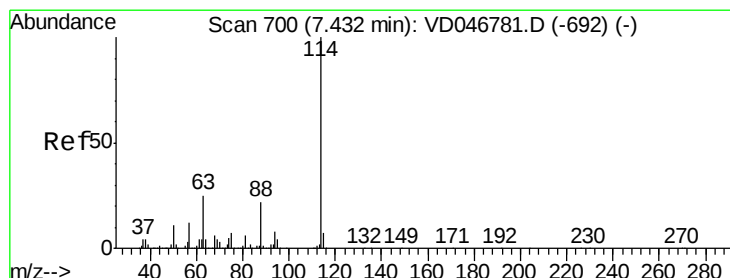
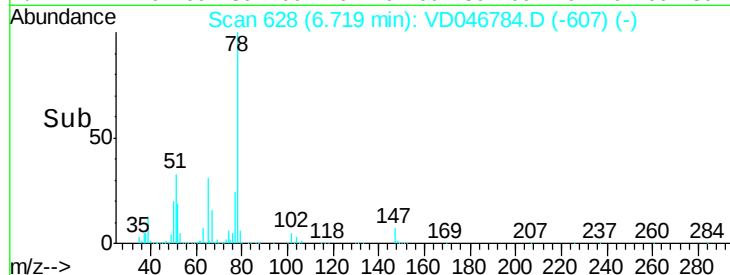
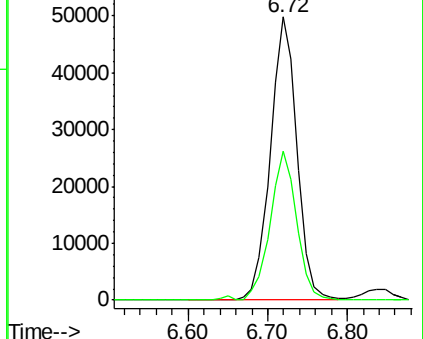
65 100

67 52.8 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

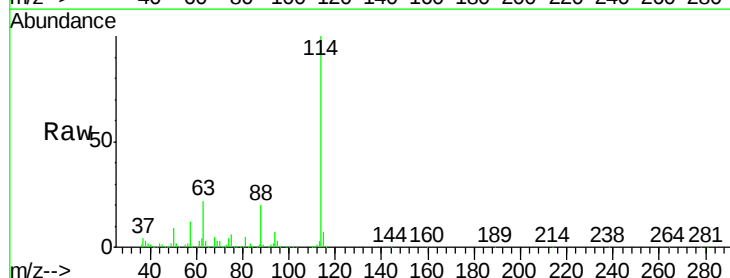
Tgt Ion: 114 Resp: 288182

Ion Ratio Lower Upper

114 100

63 22.2 0.0 49.8

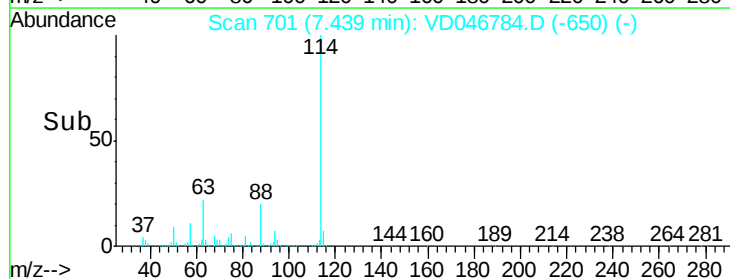
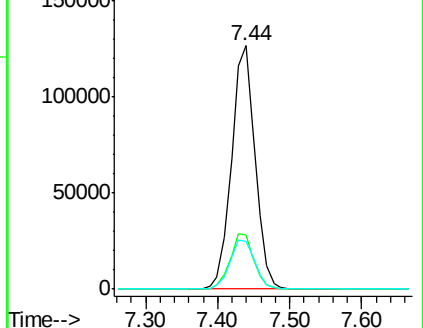
88 19.8 0.0 43.6

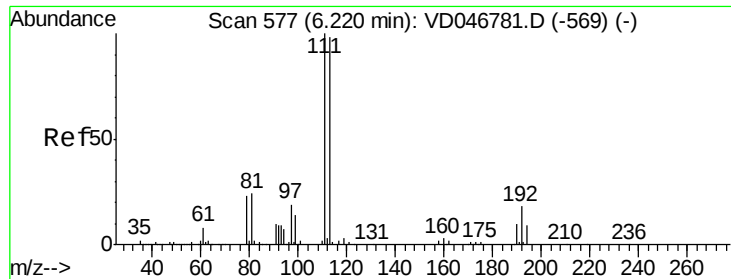


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.22 min Scan# 577

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

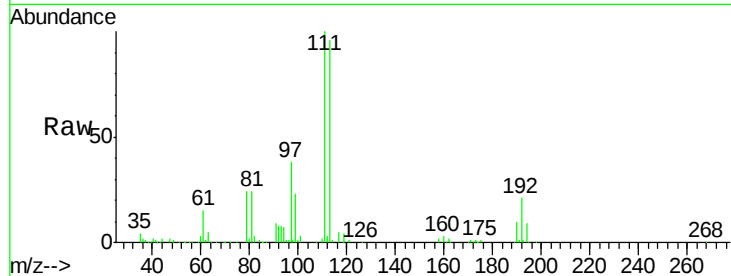
Tot Ion:113 Resp: 121635

Ion Ratio Lower Upper

113 100

111 104.7 79.4 119.0

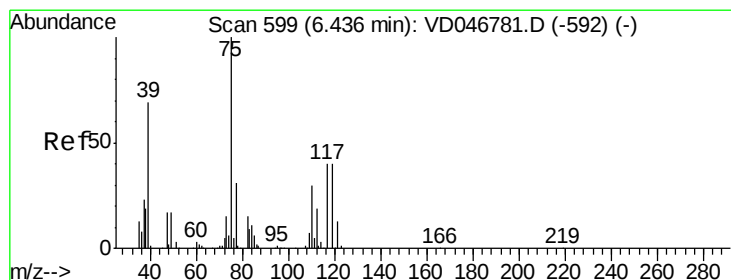
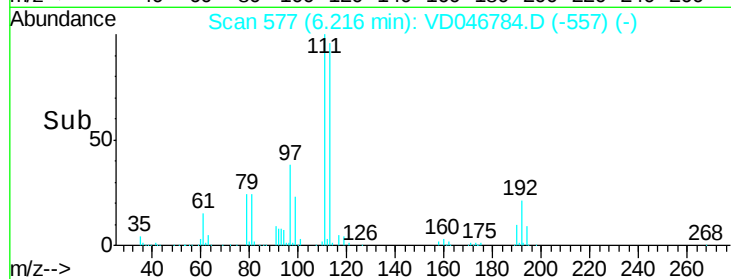
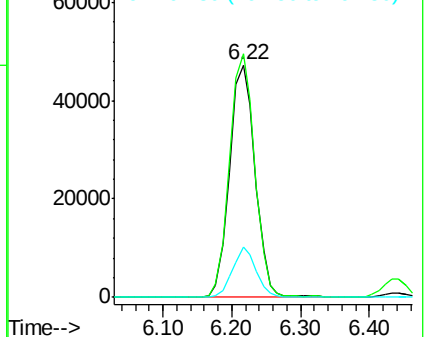
192 21.5 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 48.62 ug/l

RT: 6.43 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

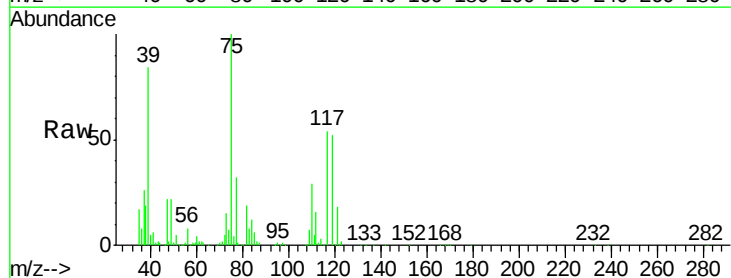
Tgt Ion: 75 Resp: 163733

Ion Ratio Lower Upper

75 100

110 29.1 13.7 41.0

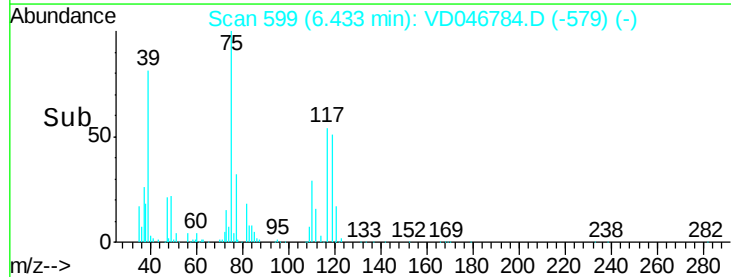
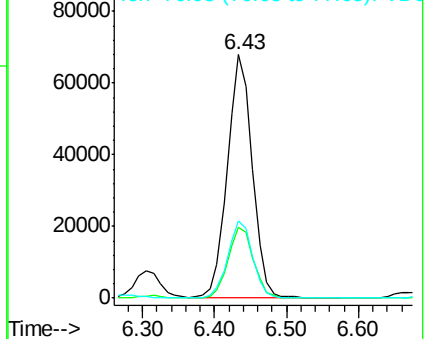
77 31.8 24.7 37.1

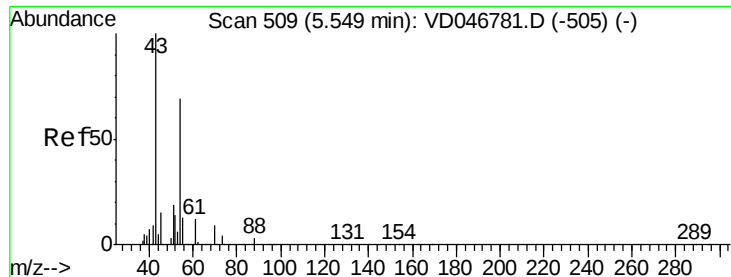


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

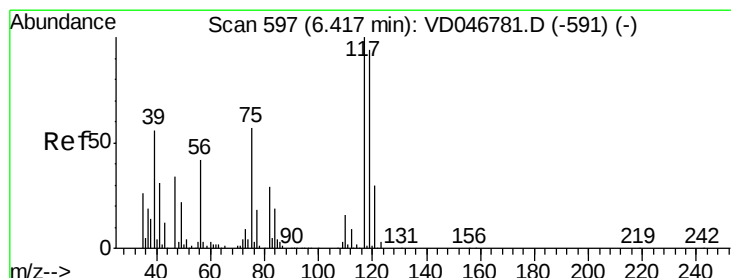
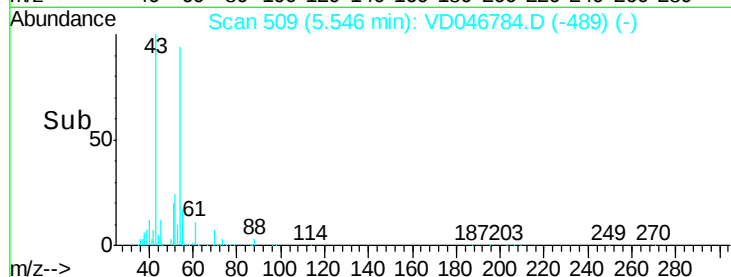
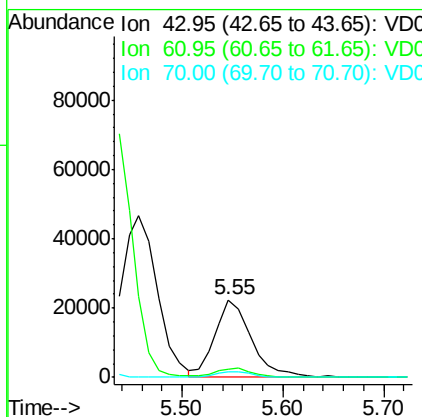
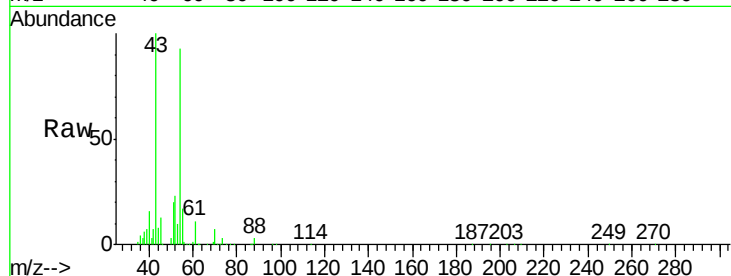




#37
Ethyl Acetate
Concen: 51.23 ug/l
RT: 5.55 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

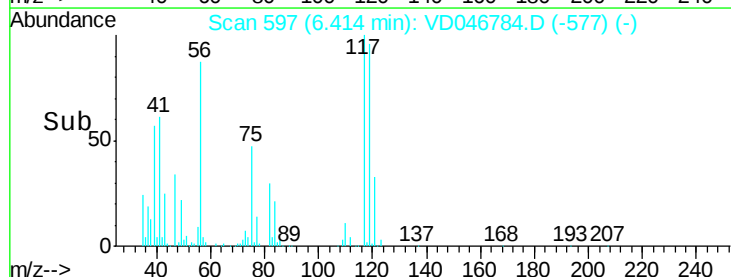
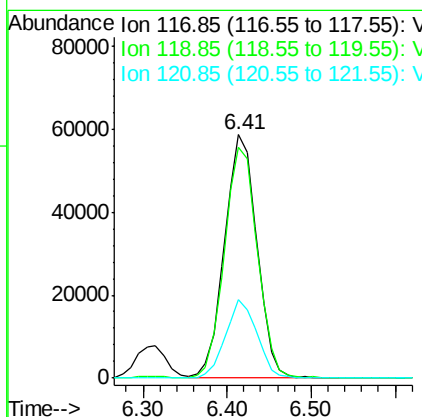
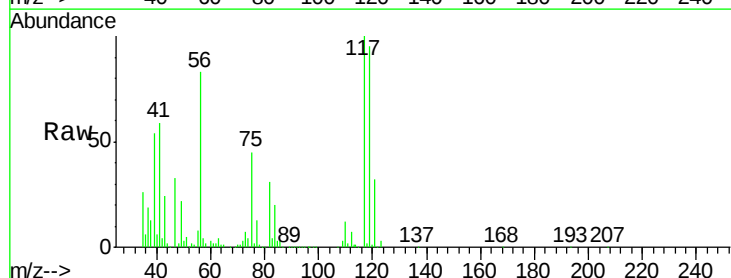
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

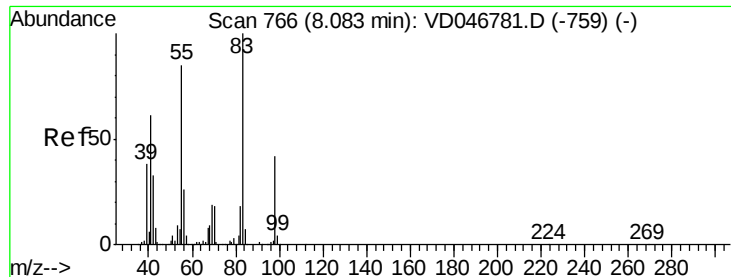
Tot Ion: 43 Resp: 55420
Ion Ratio Lower Upper
43 100
61 10.8 9.4 14.2
70 7.4 6.0 9.0



#38
Carbon Tetrachloride
Concen: 44.74 ug/l
RT: 6.41 min Scan# 597
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion: 117 Resp: 156587
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.4
121 32.4 24.5 36.7





#39

Methvlcvclohexane

Concen: 52.57 ug/l

RT: 8.09 min Scan# 767

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

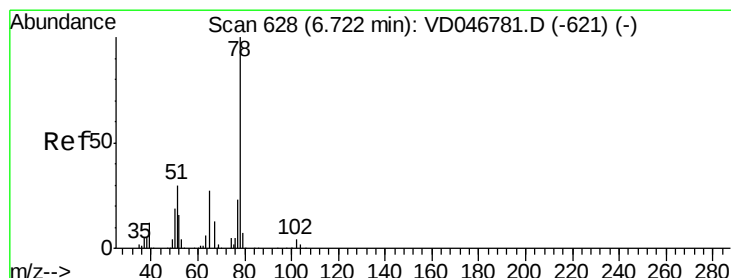
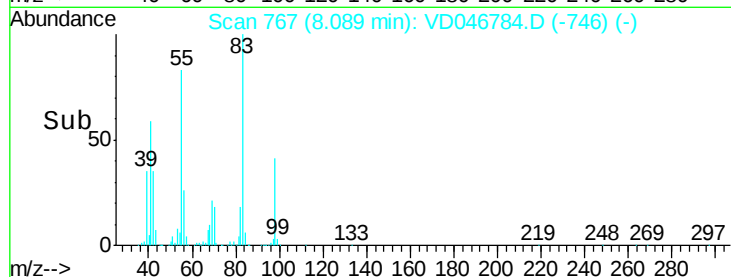
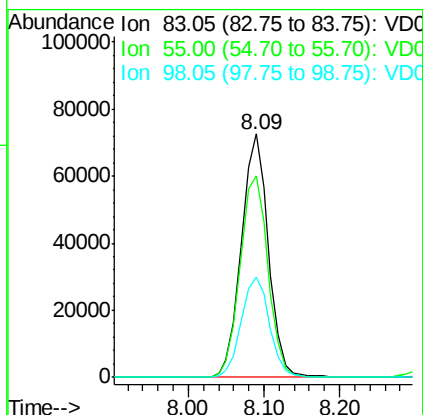
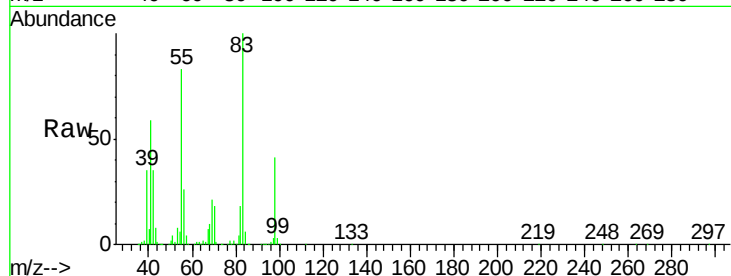
Tot Ion: 83 Resp: 179390

Ion Ratio Lower Upper

83 100

55 82.8 71.1 106.7

98 41.3 34.6 51.8



#40

Benzene

Concen: 48.68 ug/l

RT: 6.73 min Scan# 629

Delta R.T. 0.01 min

Lab File: VD046784.D

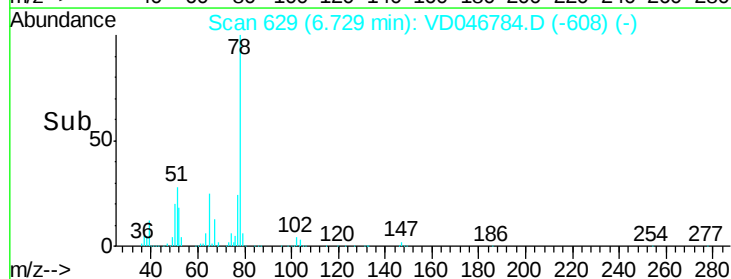
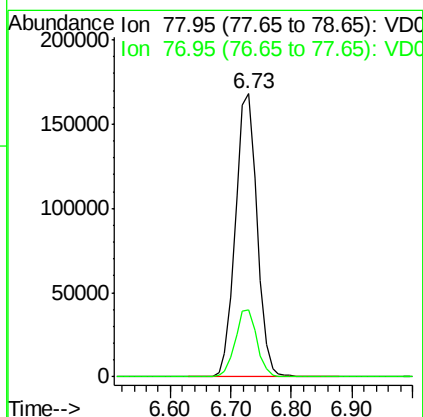
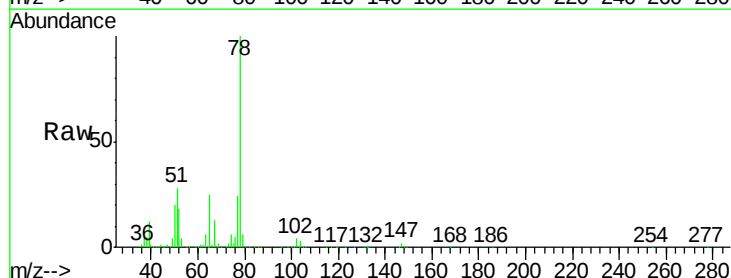
Acq: 18 Sep 2015 15:33

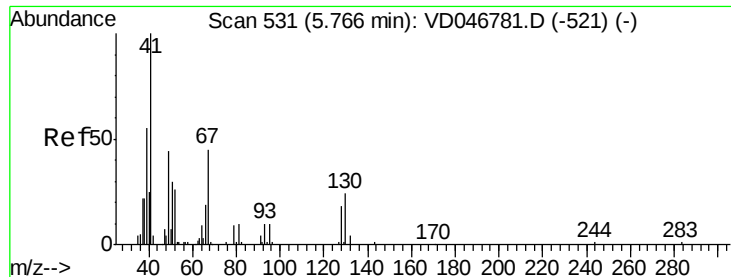
Tgt Ion: 78 Resp: 418503

Ion Ratio Lower Upper

78 100

77 23.7 19.9 29.9

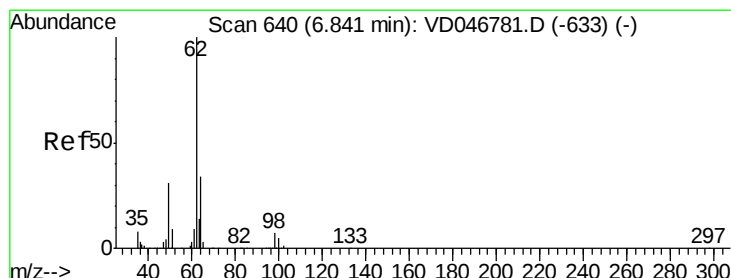
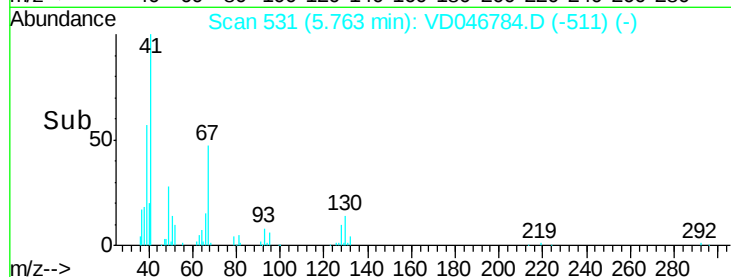
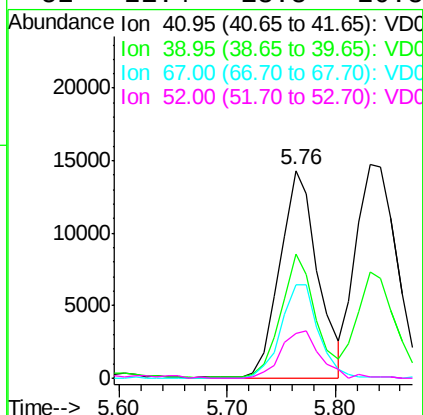
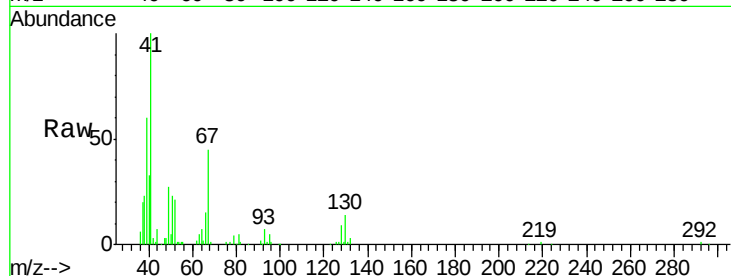




#41
Methacrylonitrile
Concen: 57.84 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

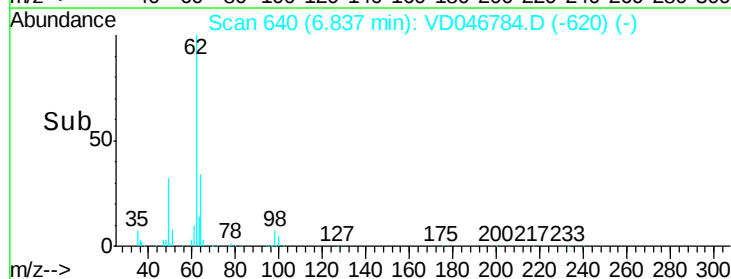
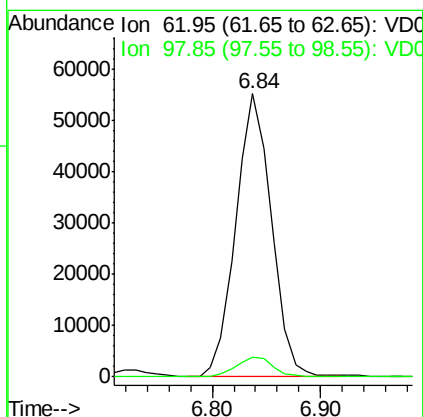
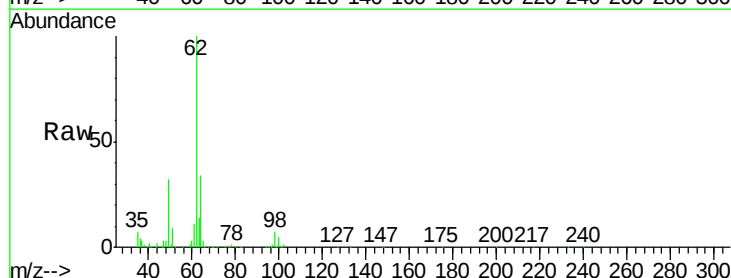
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

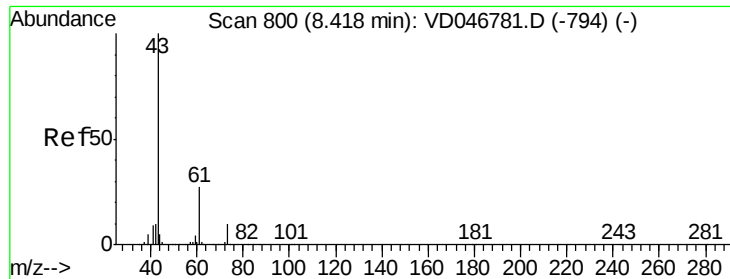
Tot Ion:	41	Resp:	35097
Ion	Ratio	Lower	Upper
41	100		
39	59.6	40.2	60.4
67	45.2	32.0	48.0
52	21.4	13.8	20.8#



#42
1,2-Dichloroethane
Concen: 47.41 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion:	62	Resp:	126611
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 57.04 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

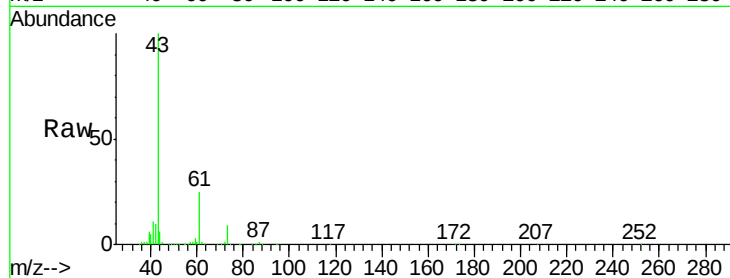
Tot Ion: 43 Resp: 81346

Ion Ratio Lower Upper

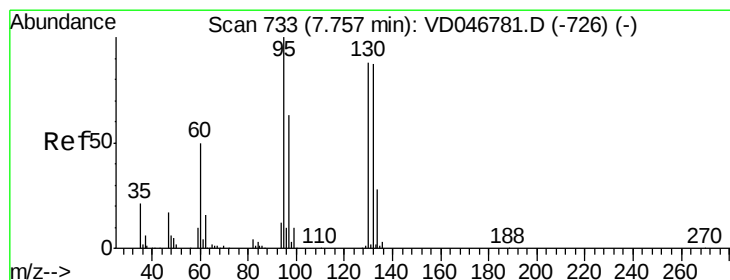
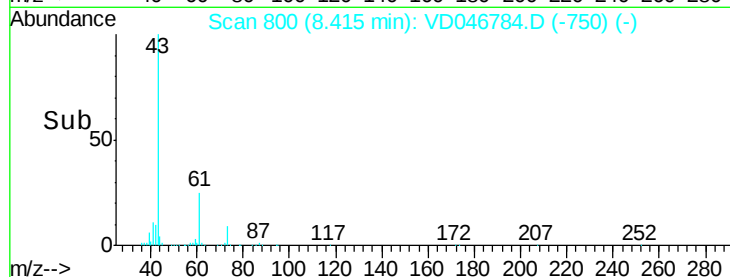
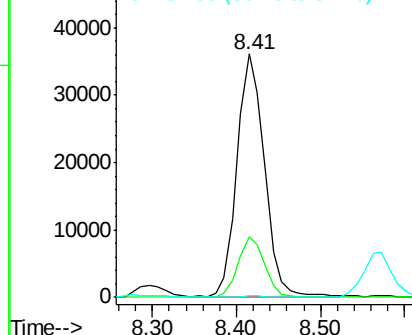
43 100

61 24.8 19.5 29.3

87 0.6 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: 49.57 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.00 min

Lab File: VD046784.D

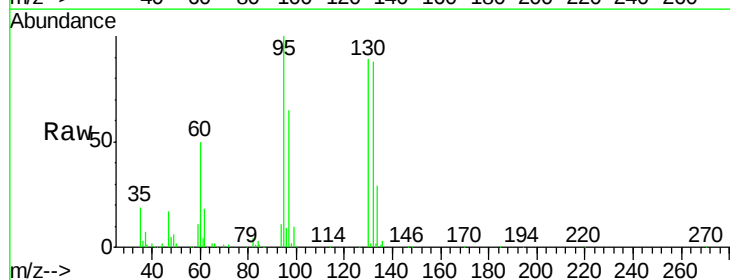
Acq: 18 Sep 2015 15:33

Tgt Ion:130 Resp: 106697

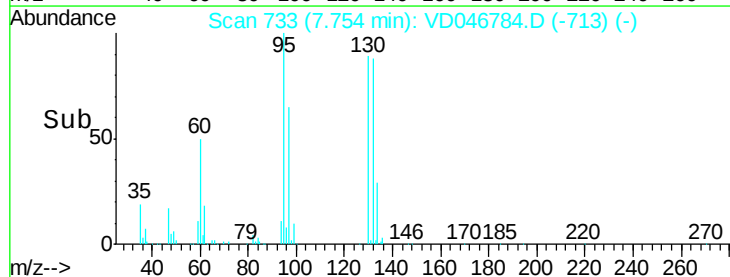
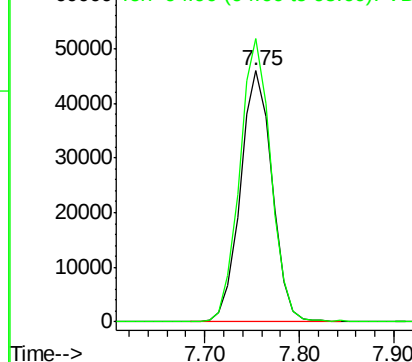
Ion Ratio Lower Upper

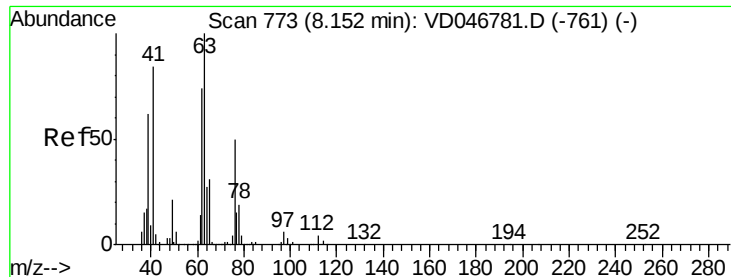
130 100

95 112.8 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: 50.81 ug/l

RT: 8.15 min Scan# 773

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

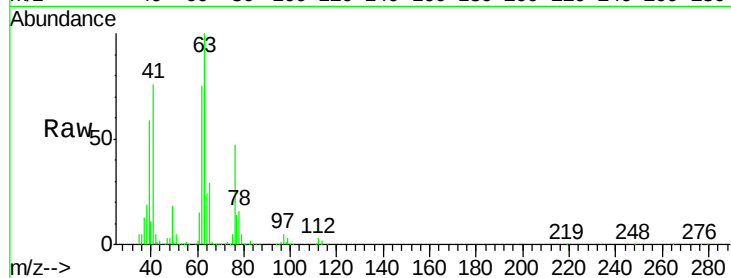
ICVVD091815

Tot Ion: 63 Resp: 108228

Ion Ratio Lower Upper

63 100

65 29.1 25.1 37.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.15

50000

40000

30000

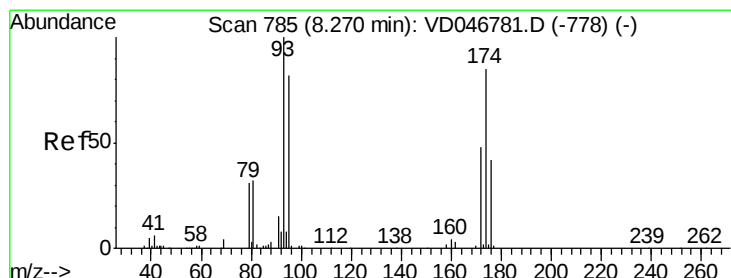
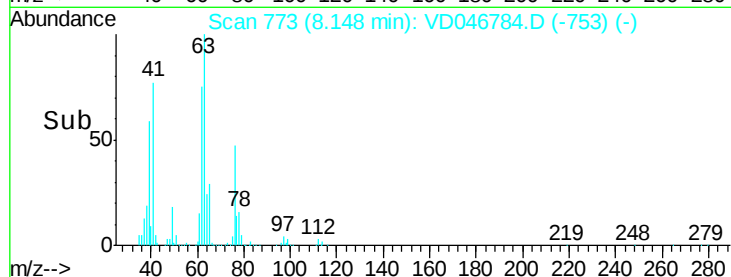
20000

10000

0

8.00 8.10 8.20 8.30

Time-->



#46

Dibromomethane

Concen: 48.91 ug/l

RT: 8.28 min Scan# 786

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

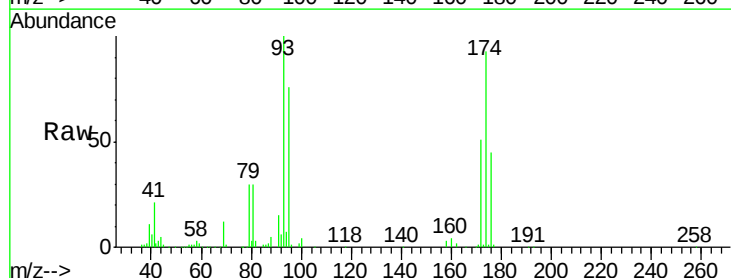
Tgt Ion: 93 Resp: 59148

Ion Ratio Lower Upper

93 100

95 76.1 70.2 105.2

174 93.4 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

8.28

30000

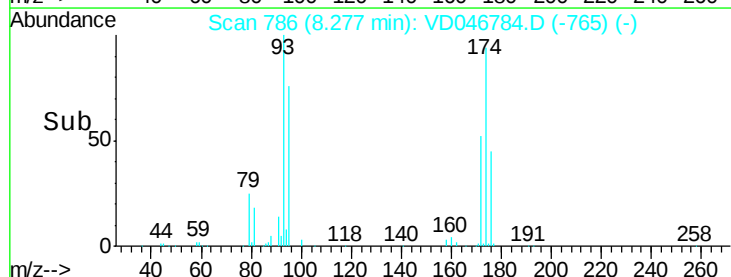
20000

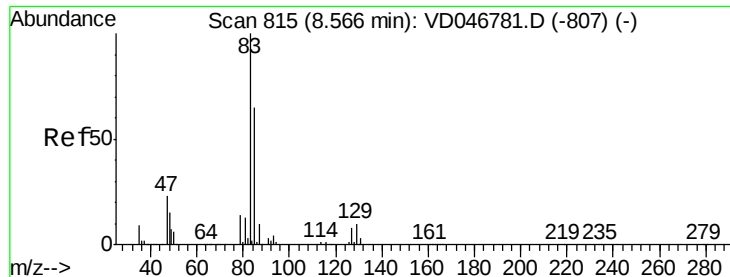
10000

0

8.20 8.30 8.40

Time-->





#47

Bromodichloromethane

Concen: 47.72 ug/l

RT: 8.56 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

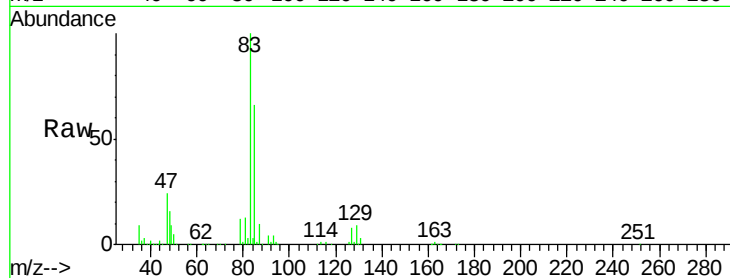
Tot Ion: 83 Resp: 151490

Ion Ratio Lower Upper

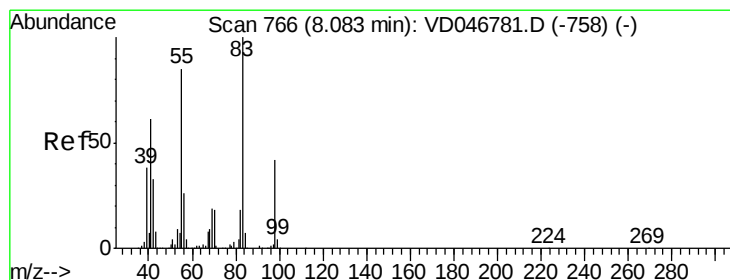
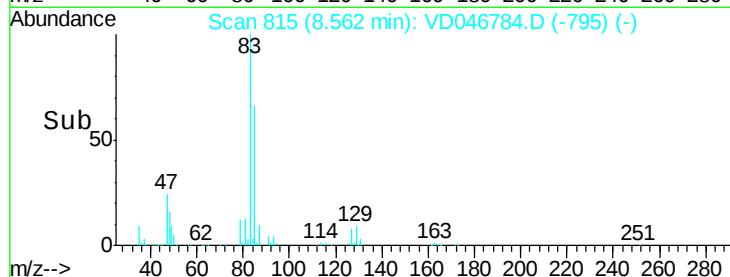
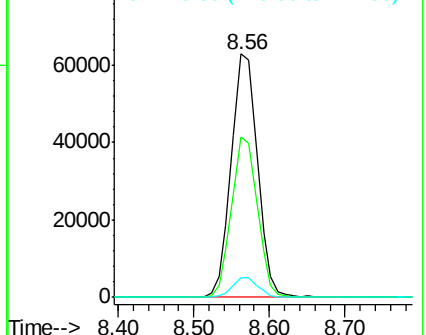
83 100

85 65.7 52.6 78.8

127 7.8 5.7 8.5



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



#48

Methyl methacrylate

Concen: 50.60 ug/l

RT: 8.09 min Scan# 767

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

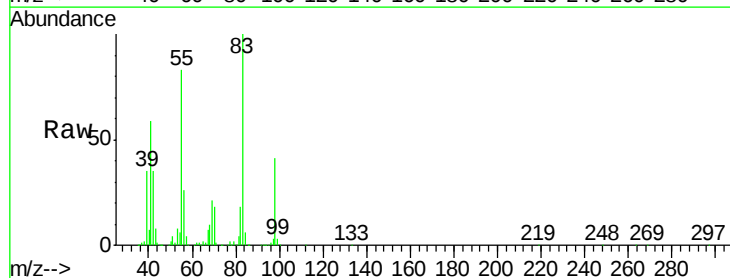
Tgt Ion: 41 Resp: 110325

Ion Ratio Lower Upper

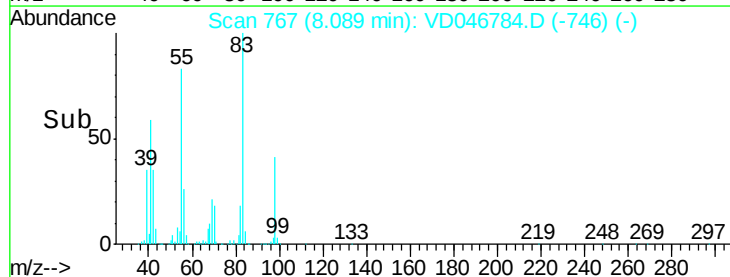
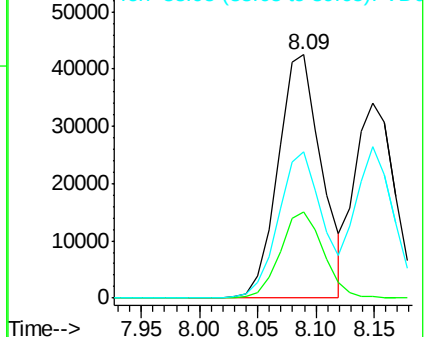
41 100

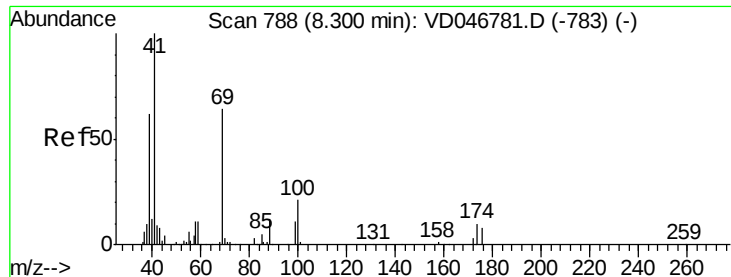
69 35.4 25.3 37.9

39 60.0 47.4 71.0



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





#49

1,4-Dioxane

Concen: 1122.85 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

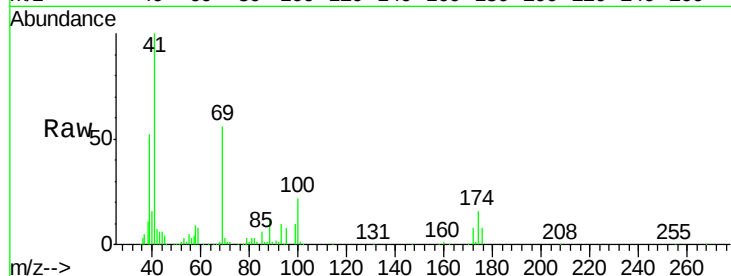
Tot Ion: 88 Resp: 9056

Ion Ratio Lower Upper

88 100

43 48.7 50.0 75.0#

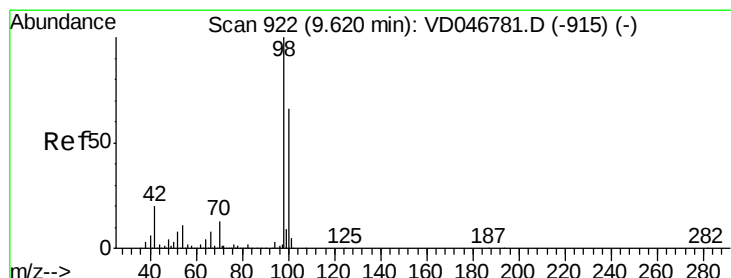
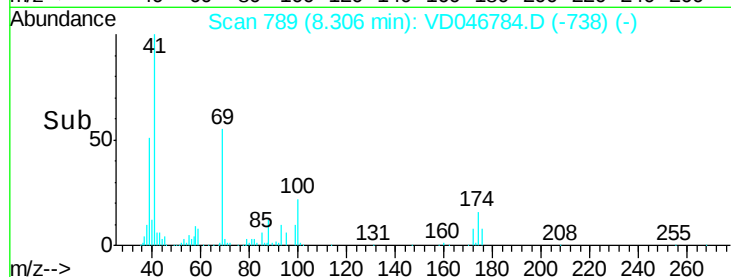
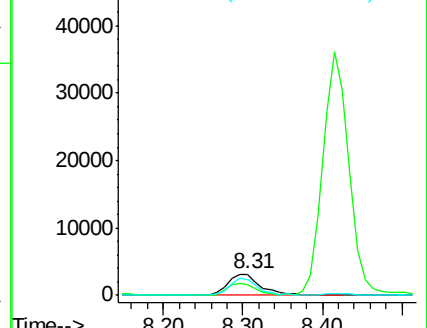
58 72.5 48.3 72.5#



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: 1122.85 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD046784.D

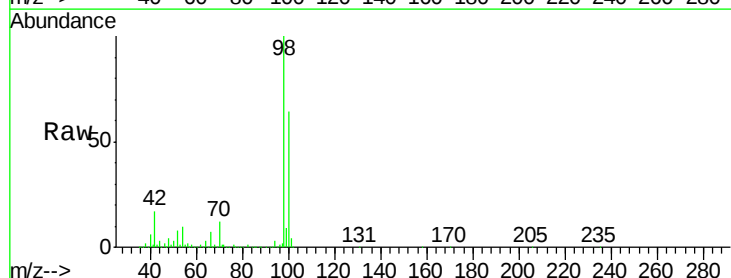
Acq: 18 Sep 2015 15:33

Tgt Ion: 98 Resp: 398584

Ion Ratio Lower Upper

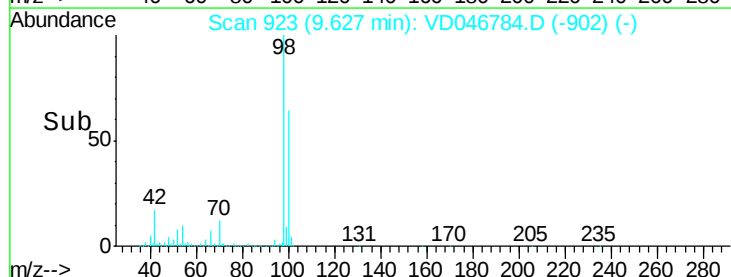
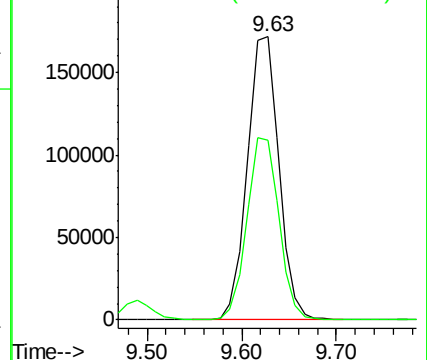
98 100

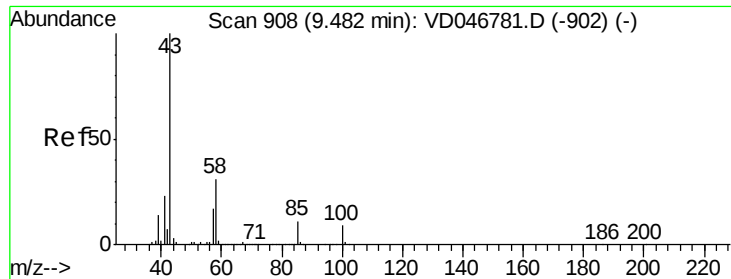
100 63.5 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 284.73 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

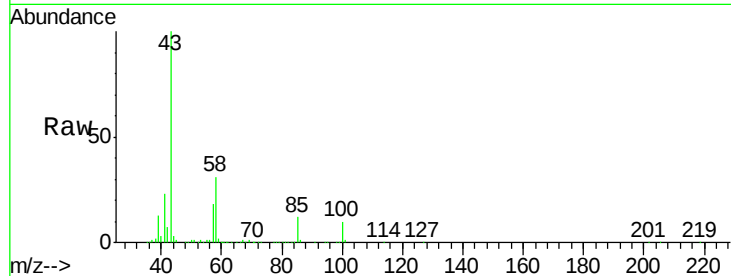
ICVVD091815

Tot Ion: 43 Resp: 293395

Ion Ratio Lower Upper

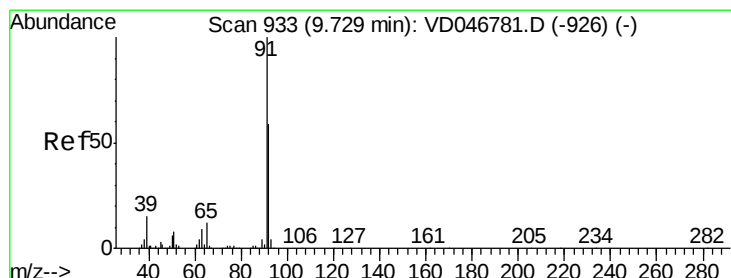
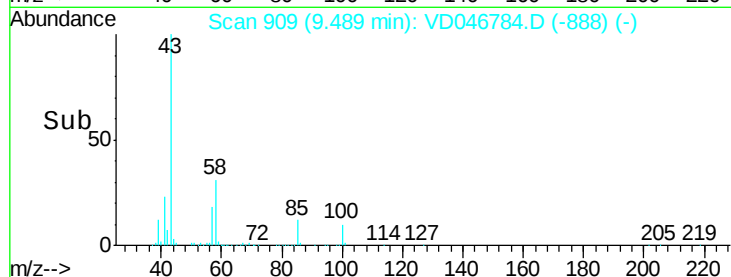
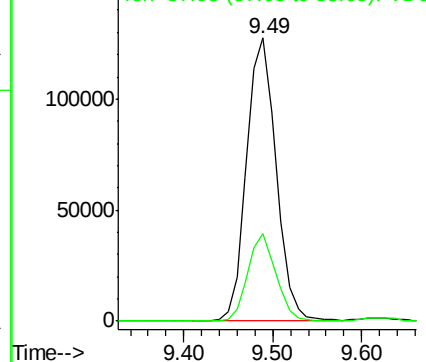
43 100

58 30.7 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: 51.23 ug/l

RT: 9.73 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD046784.D

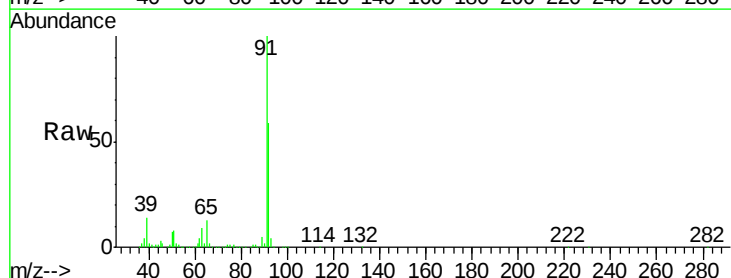
Acq: 18 Sep 2015 15:33

Tgt Ion: 92 Resp: 271665

Ion Ratio Lower Upper

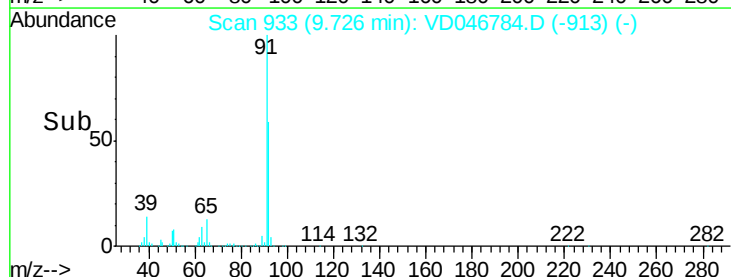
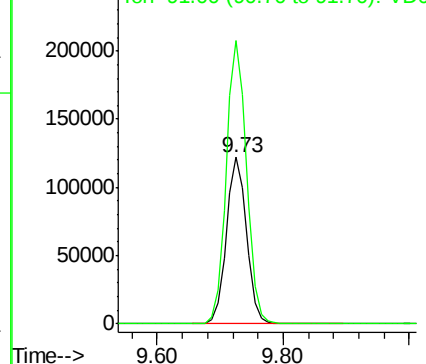
92 100

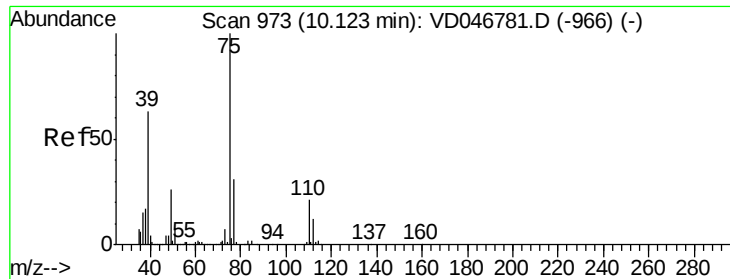
91 169.8 139.4 209.0



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: 52.13 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

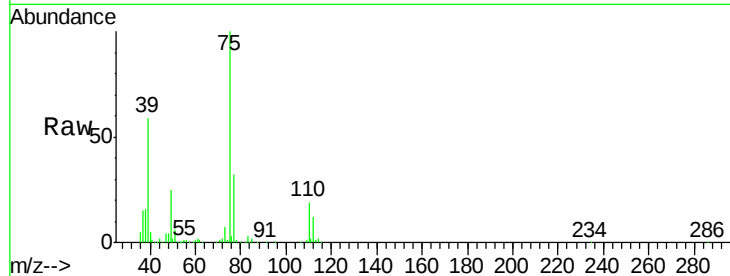
ICVVD091815

Tot Ion: 75 Resp: 122185

Ion Ratio Lower Upper

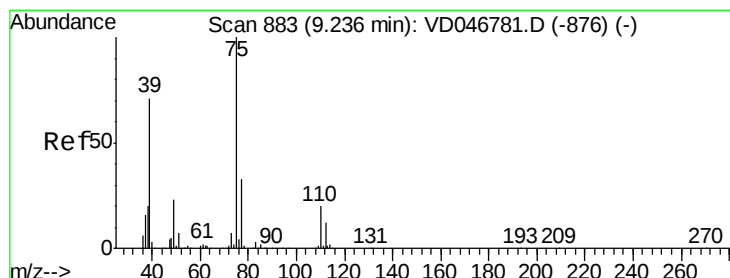
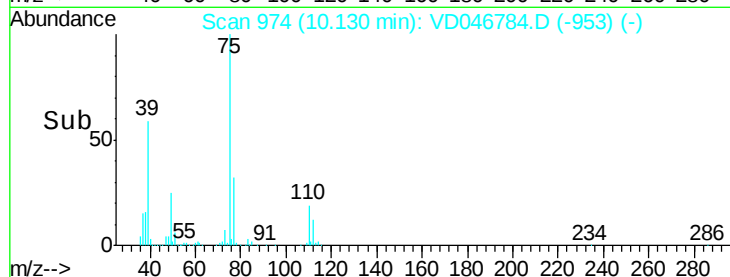
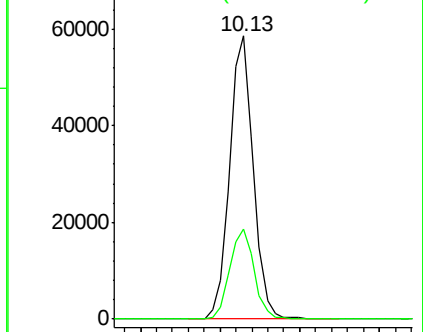
75 100

77 31.9 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: 52.14 ug/l

RT: 9.23 min Scan# 883

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

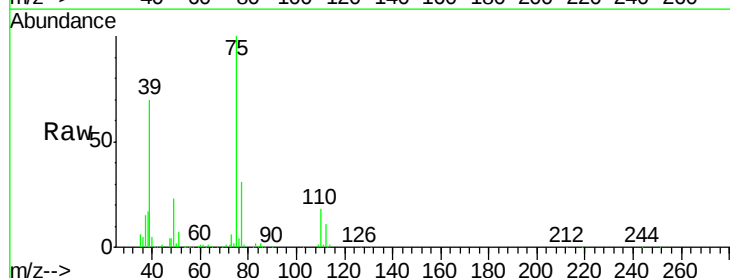
Tgt Ion: 75 Resp: 157374

Ion Ratio Lower Upper

75 100

77 30.6 23.8 35.6

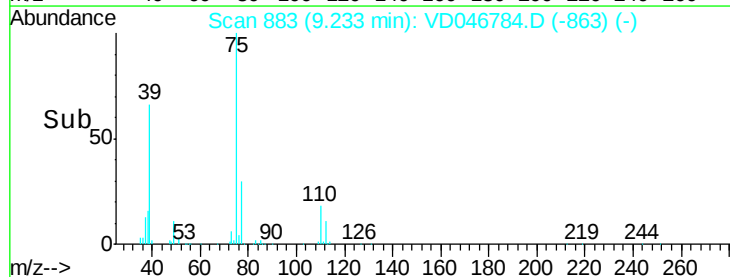
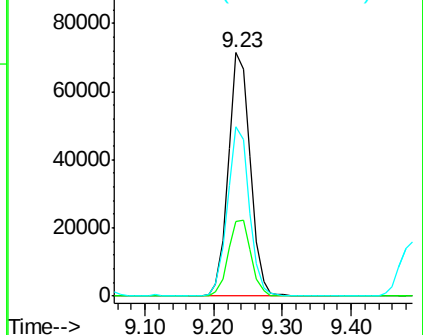
39 69.7 53.0 79.6

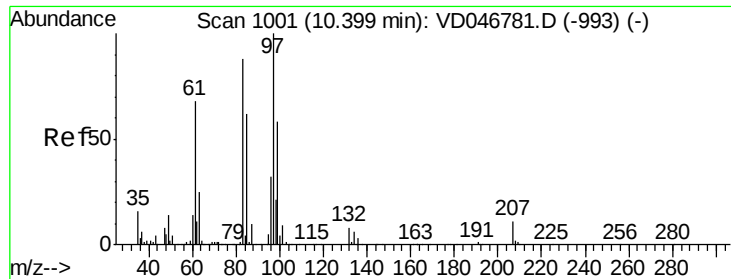


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

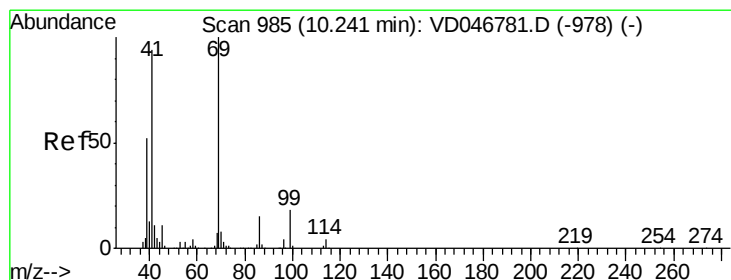
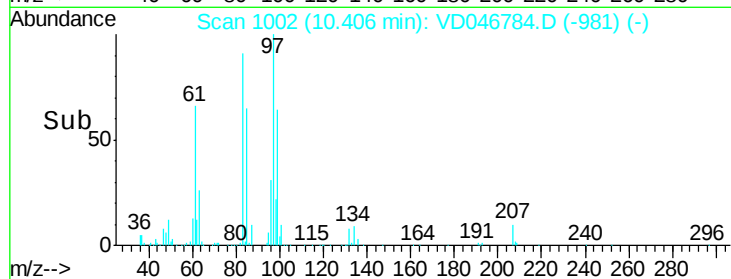
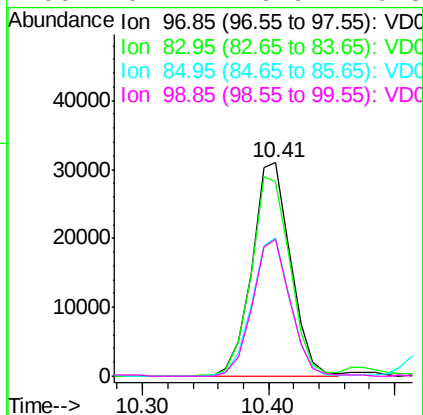
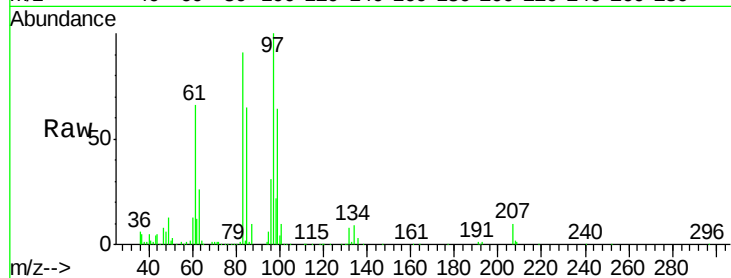




#55
 1,1,2-Trichloroethane
 Concen: 48.27 ug/l
 RT: 10.41 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

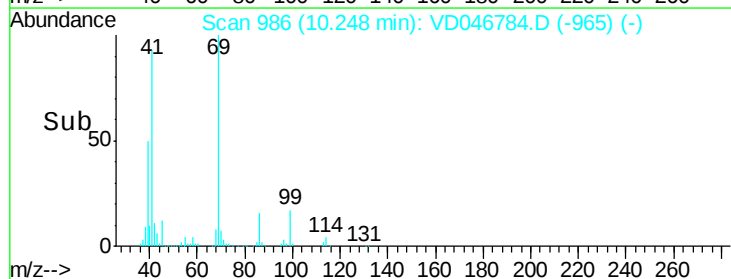
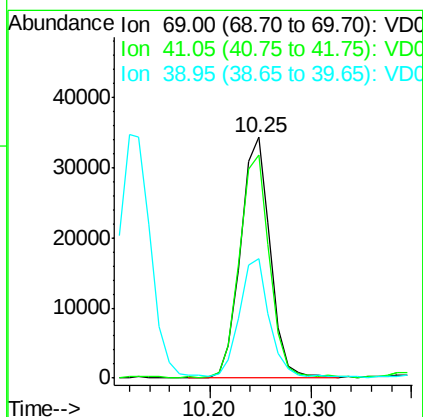
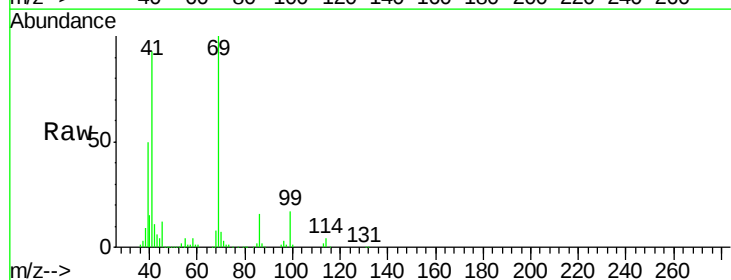
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

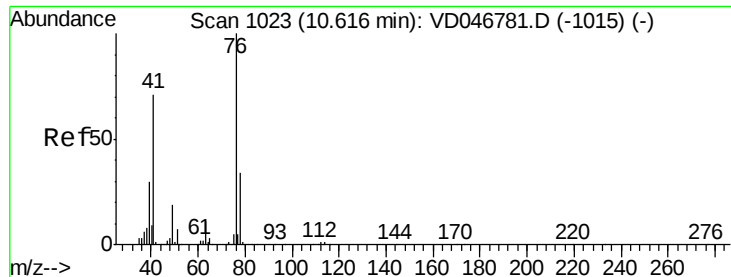
Tot Ion: 97 Resp: 66277
 Ion Ratio Lower Upper
 97 100
 83 91.0 75.3 112.9
 85 64.9 50.9 76.3
 99 64.1 46.9 70.3



#56
 Ethyl methacrylate
 Concen: 49.12 ug/l
 RT: 10.25 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion: 69 Resp: 69858
 Ion Ratio Lower Upper
 69 100
 41 92.7 75.4 113.0
 39 49.6 41.0 61.4





#57

1,3-Dichloropropane

Concen: 49.18 ug/l

RT: 10.61 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

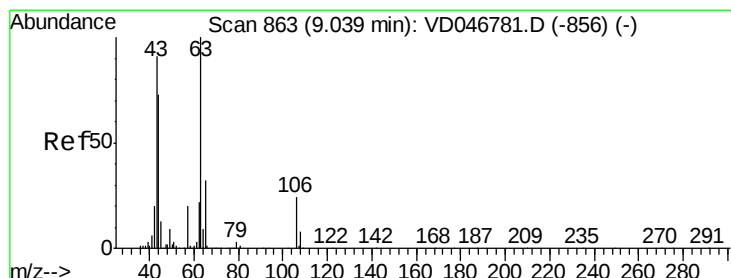
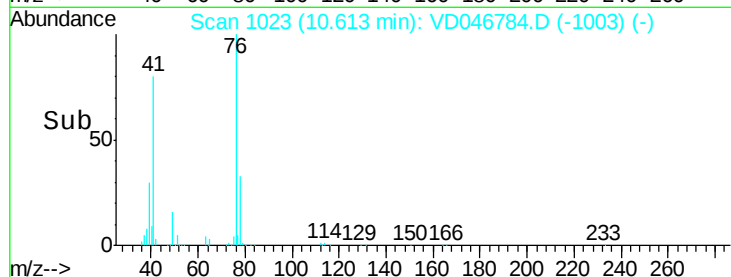
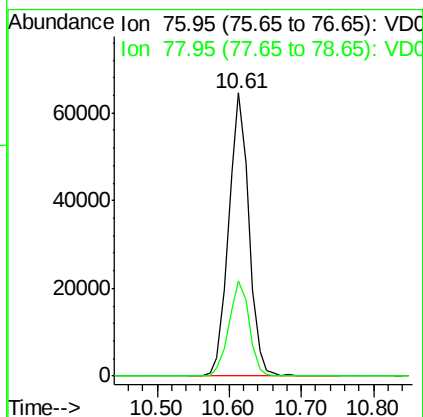
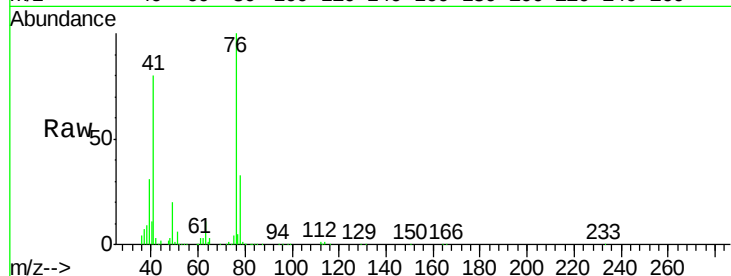
ICVVD091815

Tot Ion: 76 Resp: 125574

Ion Ratio Lower Upper

76 100

78 33.5 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 265.68 ug/l

RT: 9.04 min Scan# 863

Delta R.T. -0.00 min

Lab File: VD046784.D

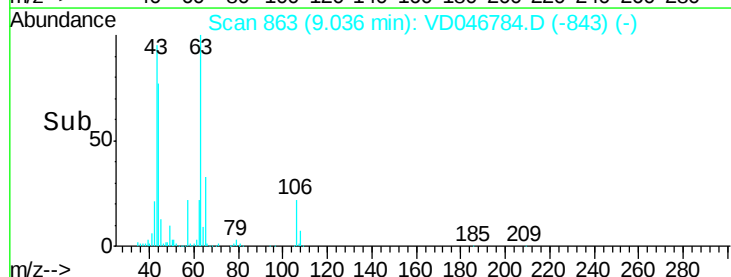
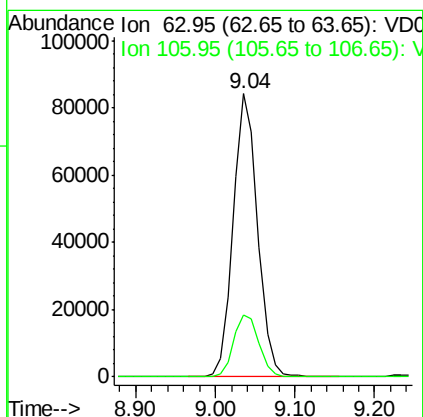
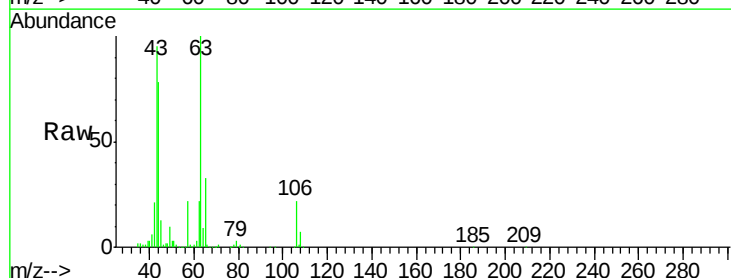
Acq: 18 Sep 2015 15:33

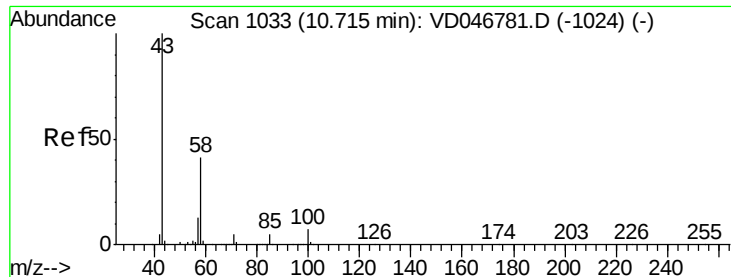
Tgt Ion: 63 Resp: 180155

Ion Ratio Lower Upper

63 100

106 21.7 17.8 26.8

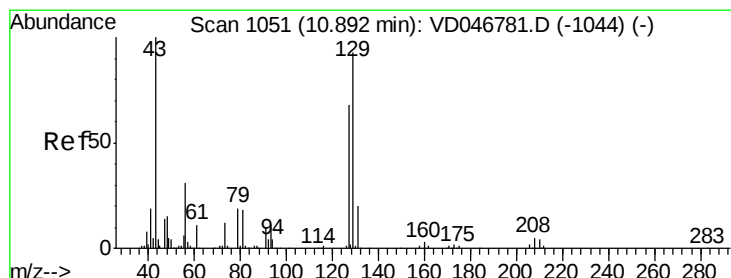
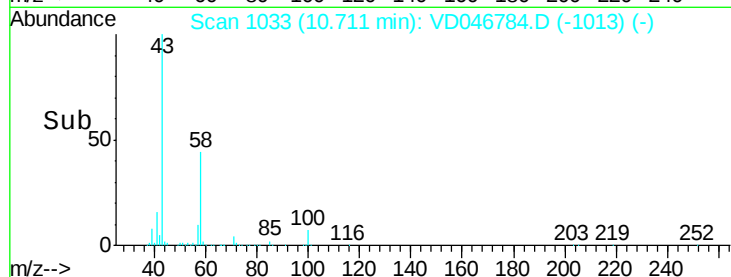
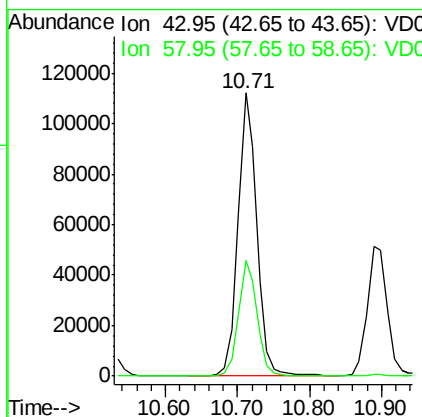
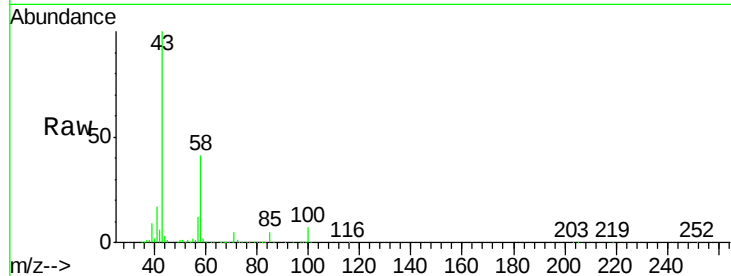




#59
2-Hexanone
Concen: 274.76 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

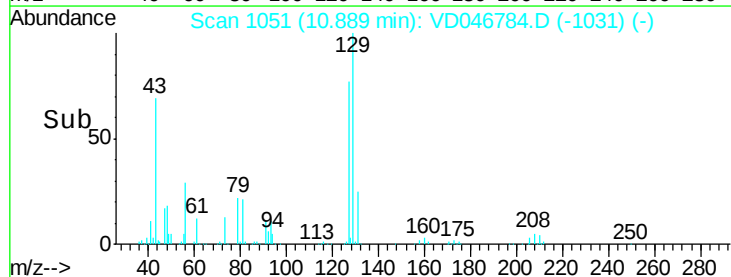
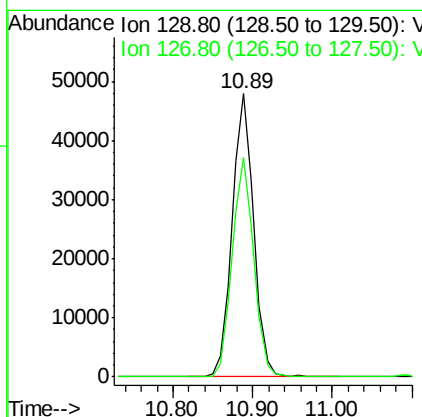
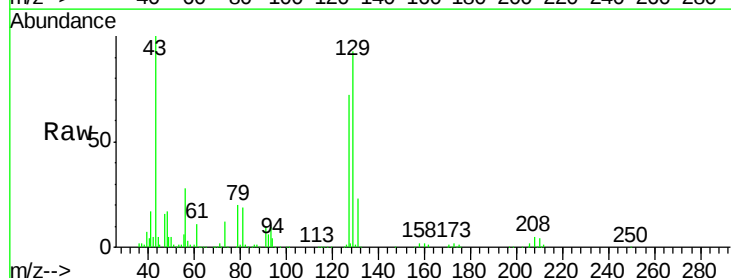
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

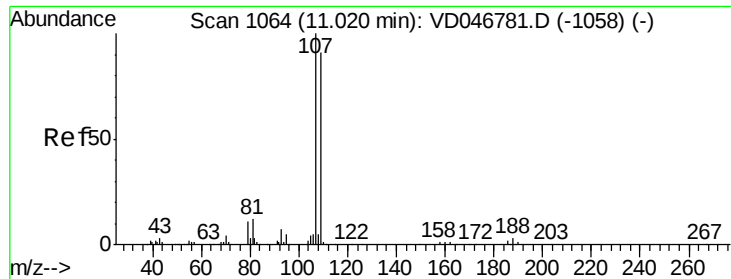
Tot Ion: 43 Resp: 204548
Ion Ratio Lower Upper
43 100
58 40.7 18.6 55.8



#60
Dibromochloromethane
Concen: 48.15 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion: 129 Resp: 90740
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.90 ug/l

RT: 11.03 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

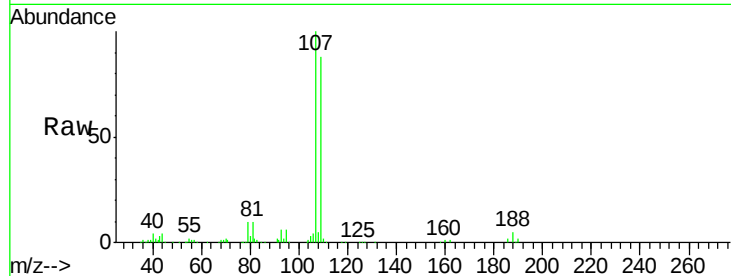
ICVVD091815

Tot Ion:107 Resp: 66297

Ion Ratio Lower Upper

107 100

109 88.1 71.4 107.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.03

30000

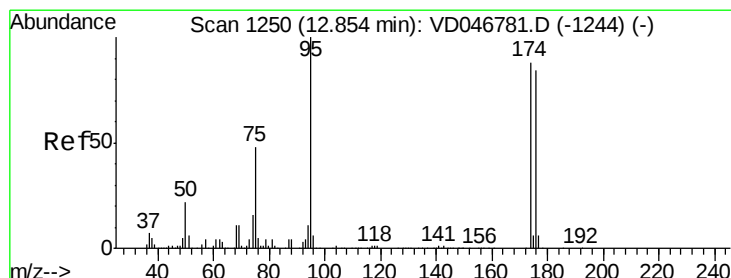
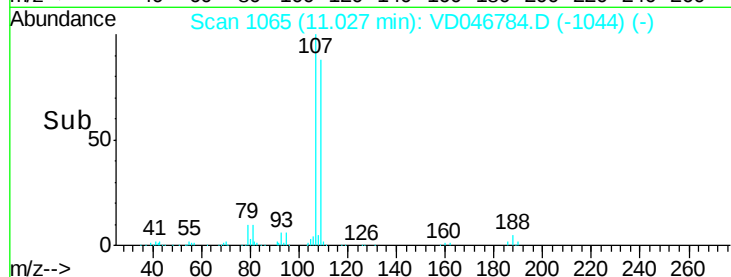
20000

10000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.90 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

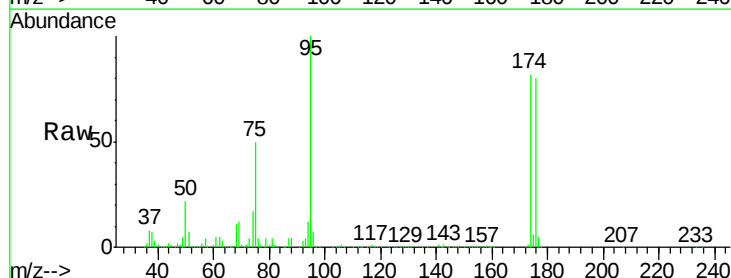
Tgt Ion: 95 Resp: 147623

Ion Ratio Lower Upper

95 100

174 82.1 0.0 149.8

176 80.5 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

12.85

120000

100000

80000

60000

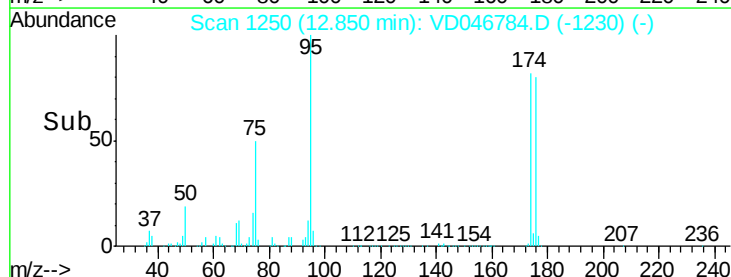
40000

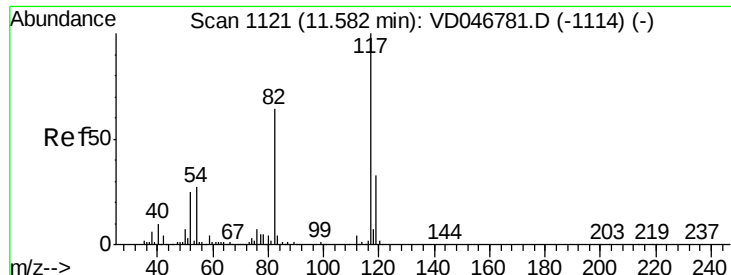
20000

0

Time-->

12.80 12.90

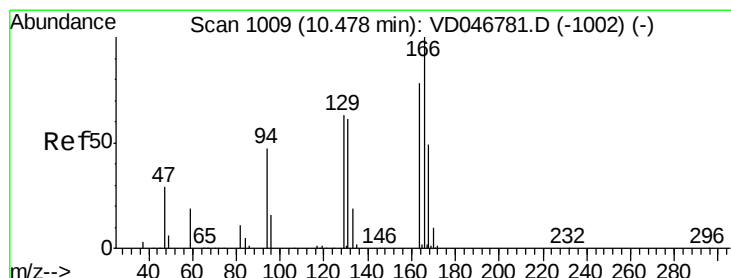
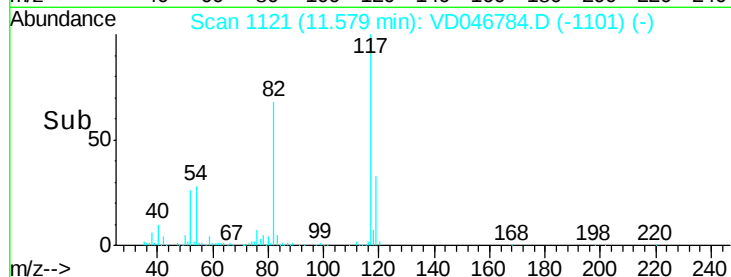
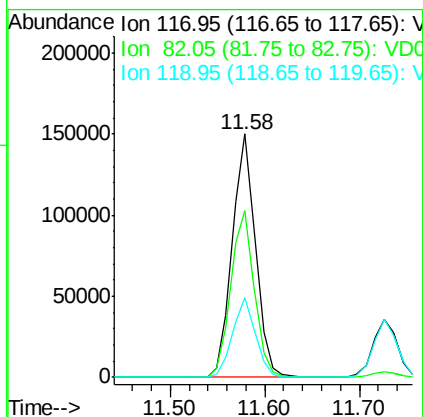
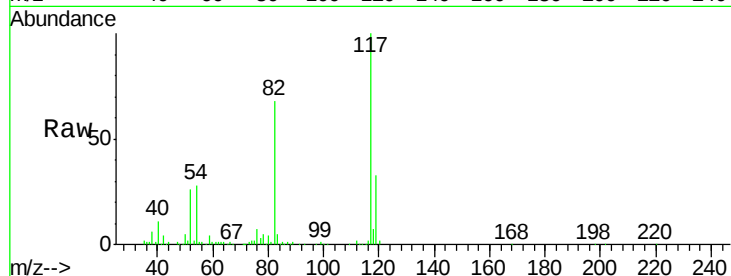




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

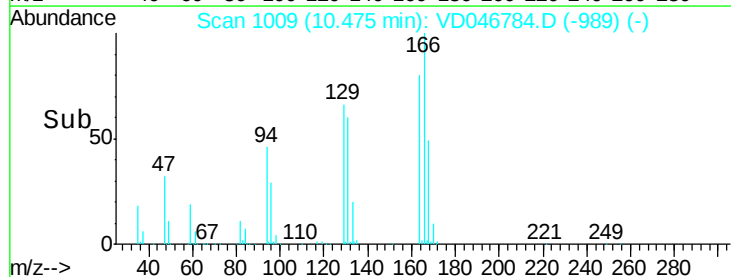
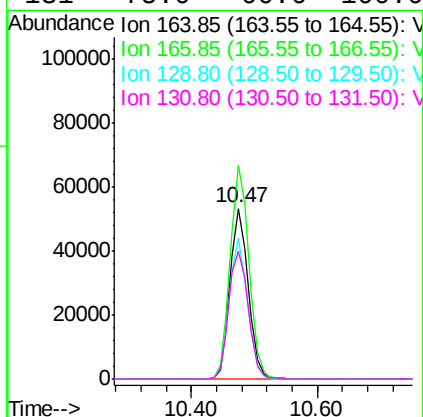
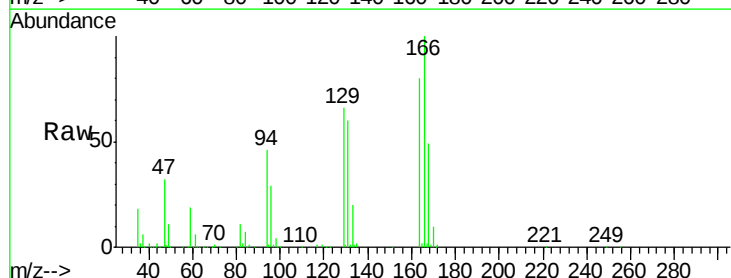
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

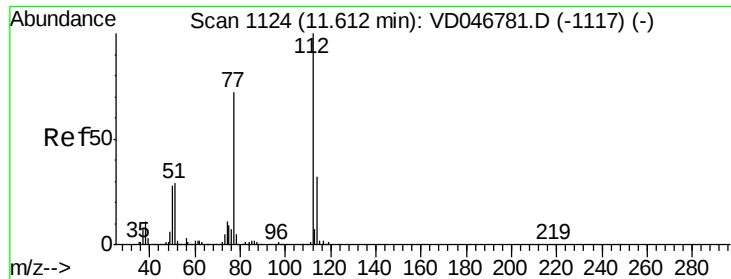
Tot Ion:117 Resp: 256564
Ion Ratio Lower Upper
117 100
82 68.3 50.6 75.8
119 32.7 25.8 38.8



#64
Tetrachloroethene
Concen: 51.21 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion:164 Resp: 106105
Ion Ratio Lower Upper
164 100
166 125.1 106.8 160.2
129 82.5 70.6 106.0
131 75.0 66.6 100.0

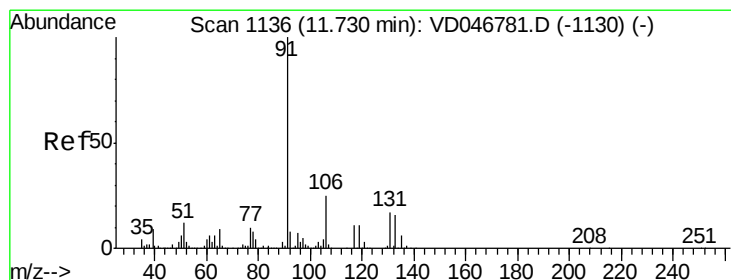
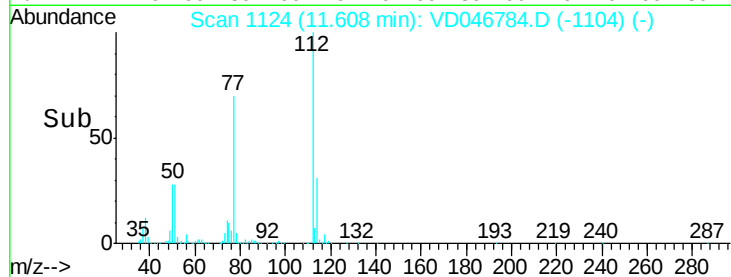
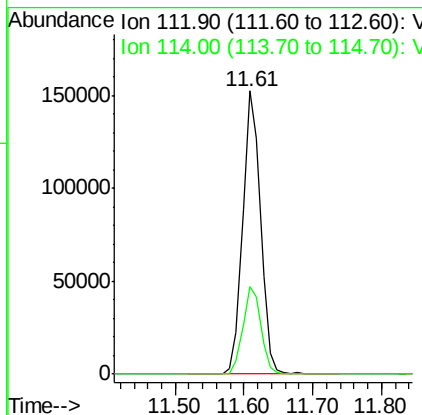
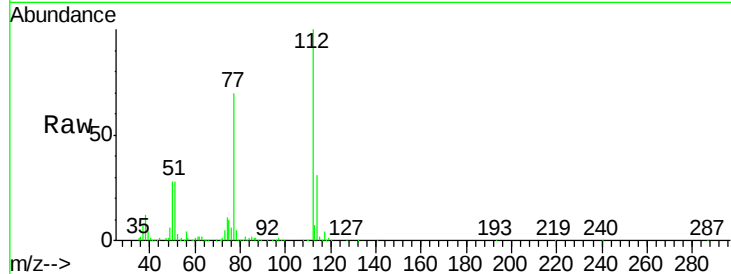




#65
Chlorobenzene
Concen: 50.72 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

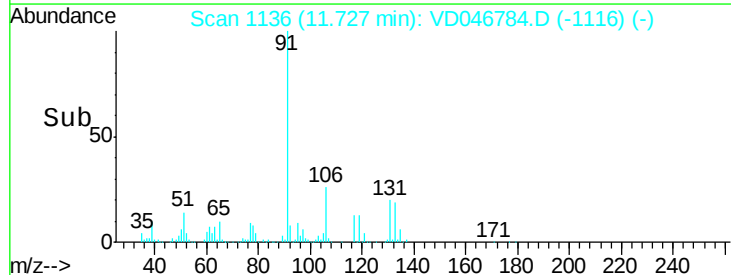
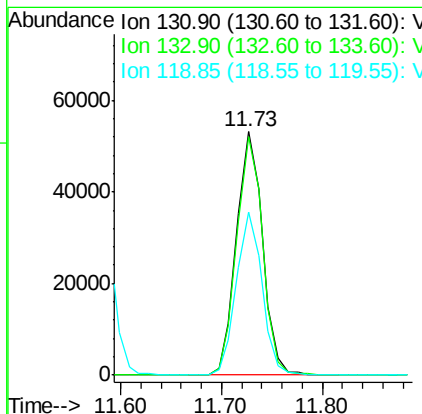
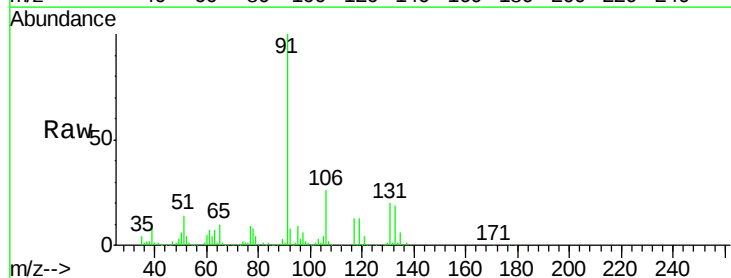
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

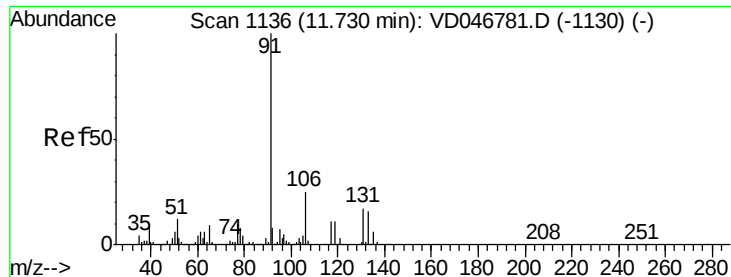
Tot Ion:112 Resp: 273861
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.56 ug/l
RT: 11.73 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion:131 Resp: 96307
Ion Ratio Lower Upper
131 100
133 97.8 48.4 145.0
119 66.9 31.5 94.5

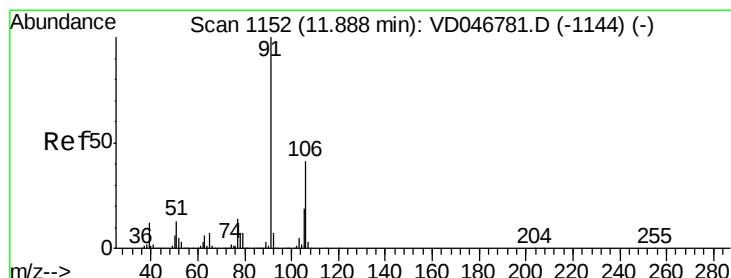
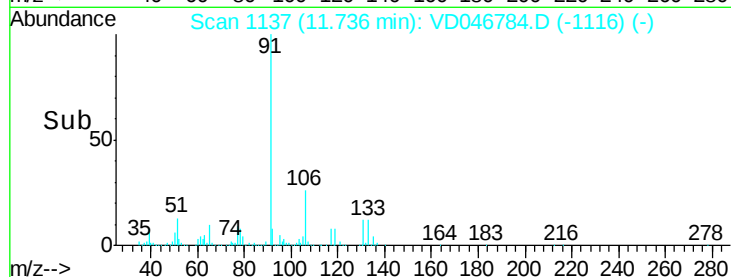
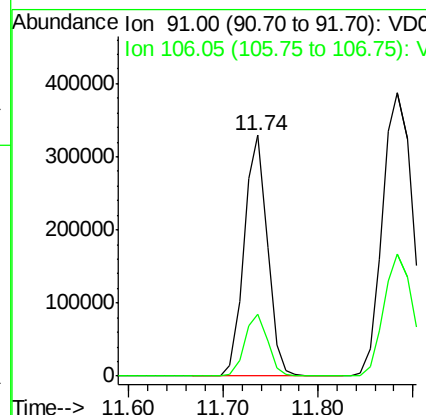
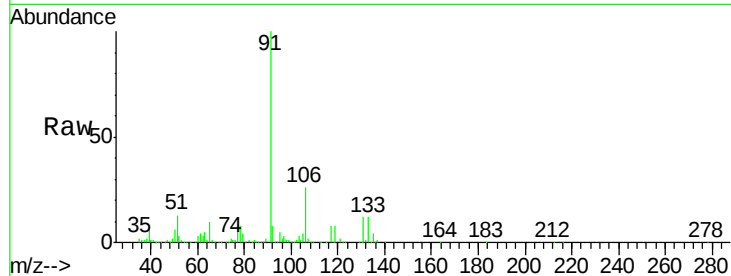




#67
Ethyl Benzene
Concen: 51.78 ug/l
RT: 11.74 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

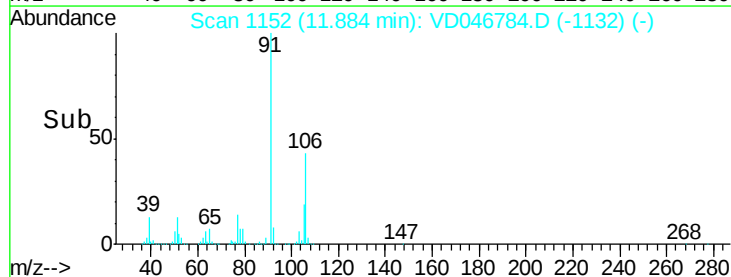
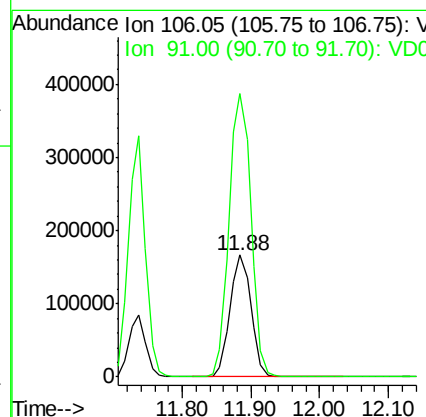
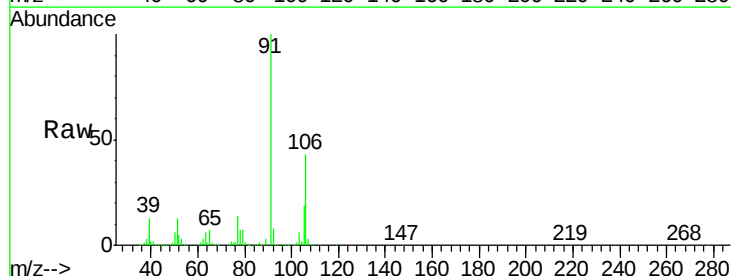
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

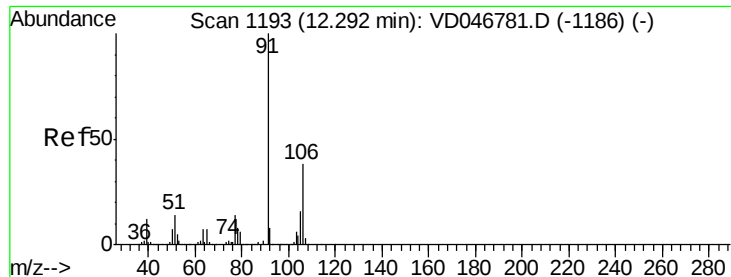
Tot Ion: 91 Resp: 561752
Ion Ratio Lower Upper
91 100
106 25.7 20.2 30.2



#68
m/p-Xylenes
Concen: 103.75 ug/l
RT: 11.88 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion: 106 Resp: 355052
Ion Ratio Lower Upper
106 100
91 232.8 187.9 281.9

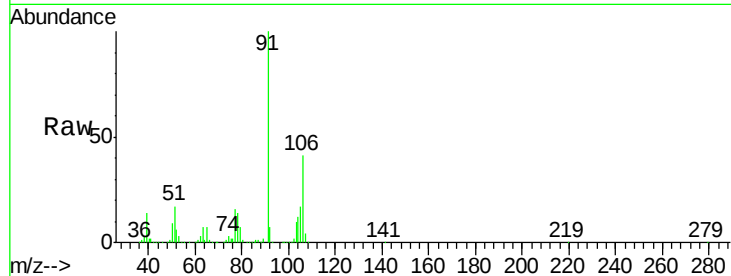




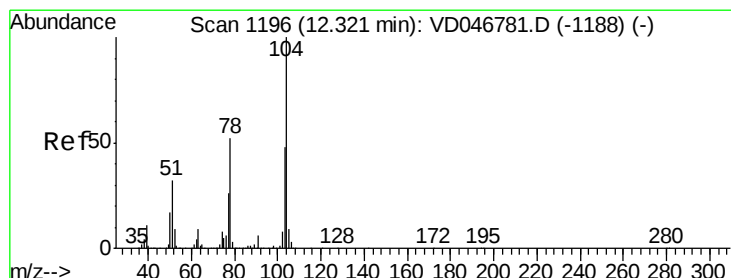
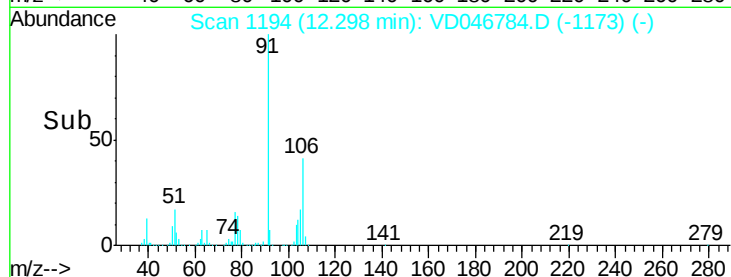
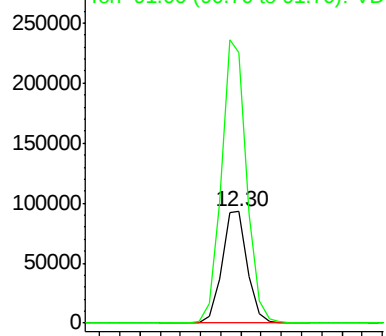
#69
o-Xylene
Concen: 53.46 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tot Ion:106 Resp: 164675
Ion Ratio Lower Upper
106 100
91 243.6 124.8 374.5

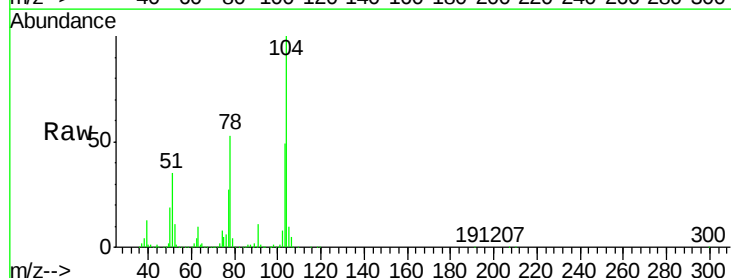


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

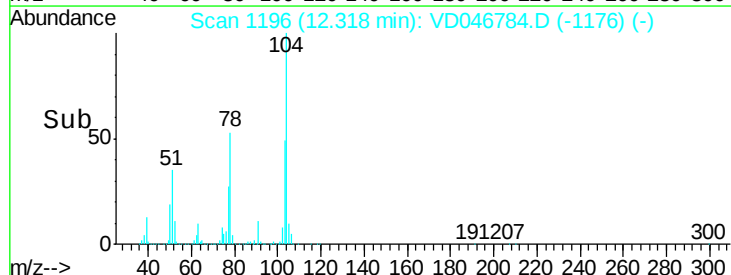
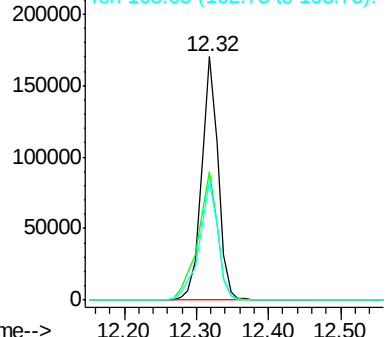


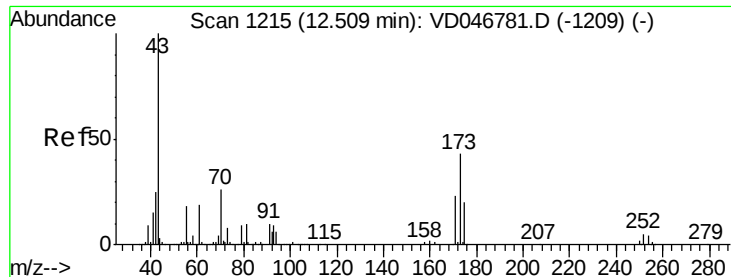
#70
Styrene
Concen: 51.00 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion:104 Resp: 272382
Ion Ratio Lower Upper
104 100
78 52.7 44.5 66.7
103 49.2 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

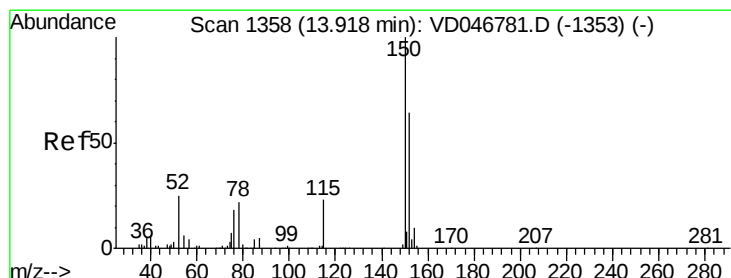
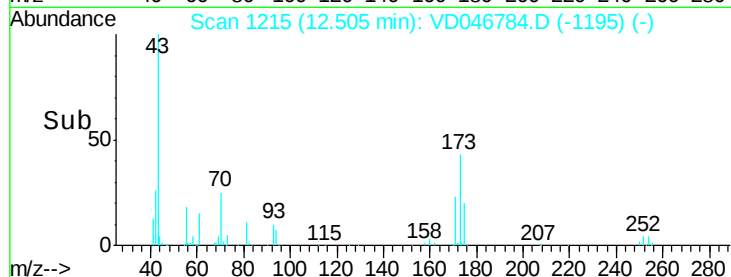
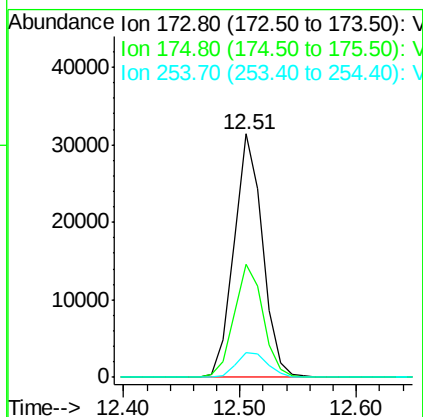
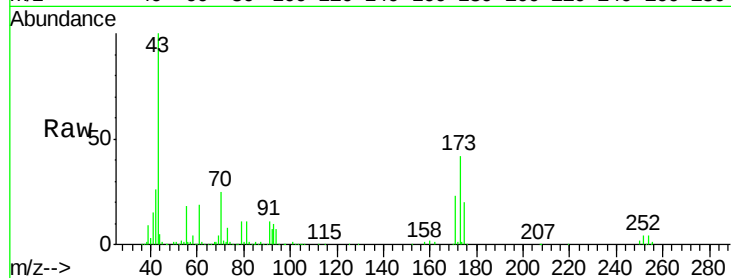




#71
Bromoform
Concen: 50.35 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

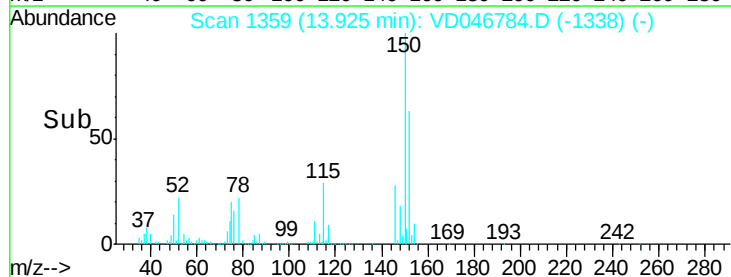
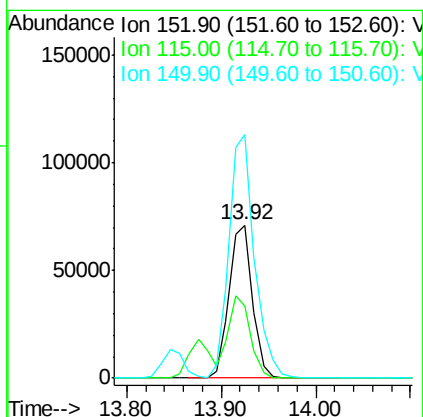
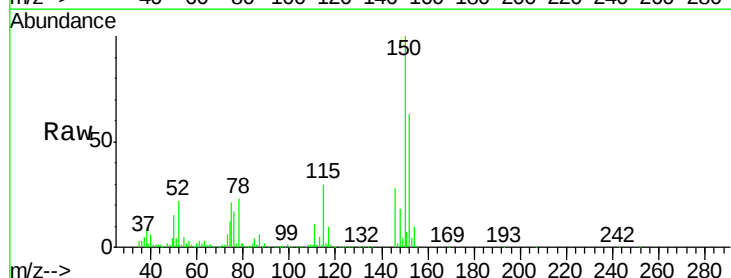
Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

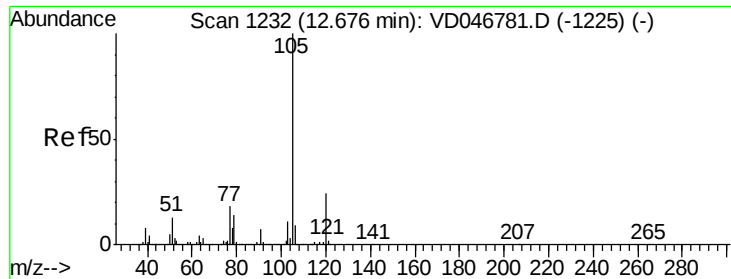
Tot Ion:173 Resp: 53182
Ion Ratio Lower Upper
173 100
175 46.3 23.1 69.3
254 10.0 8.7 13.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion:152 Resp: 121874
Ion Ratio Lower Upper
152 100
115 47.4 26.2 78.6
150 158.8 0.0 311.8





#73

Isopropylbenzene

Concen: 55.68 ug/l

RT: 12.67 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

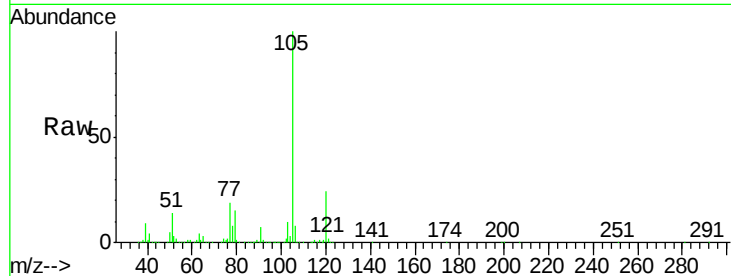
ICVVD091815

Tot Ion:105 Resp: 478390

Ion Ratio Lower Upper

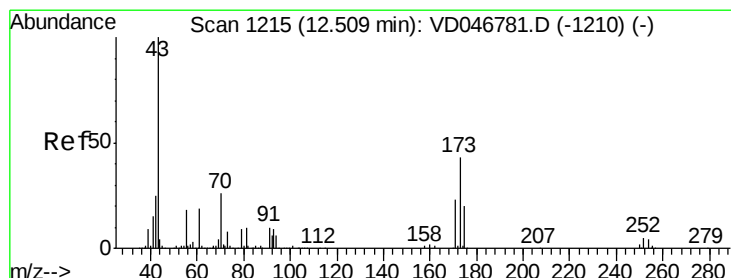
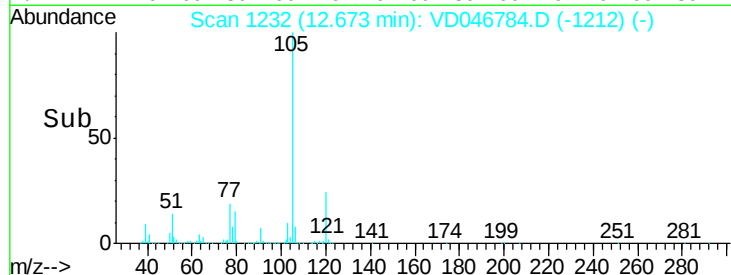
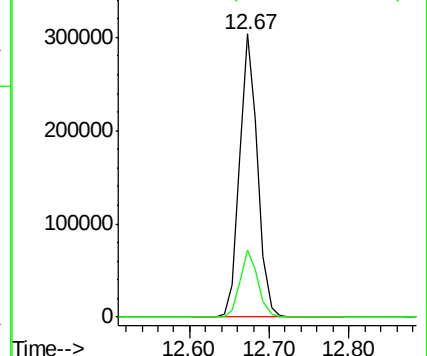
105 100

120 23.8 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: 53.38 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Tgt Ion: 43 Resp: 116085

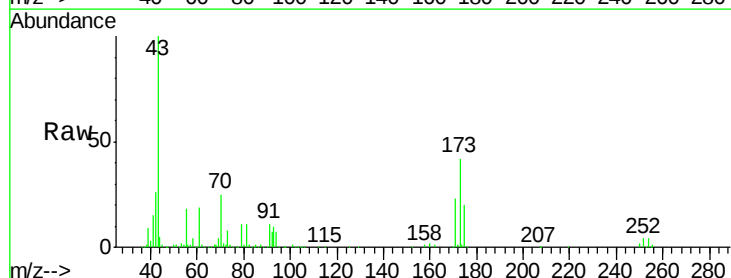
Ion Ratio Lower Upper

43 100

70 25.0 22.1 33.1

55 17.9 14.5 21.7

61 19.2 14.6 21.8

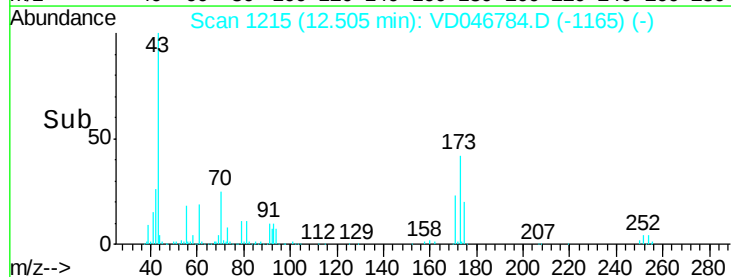
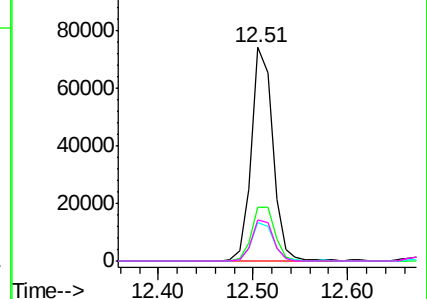


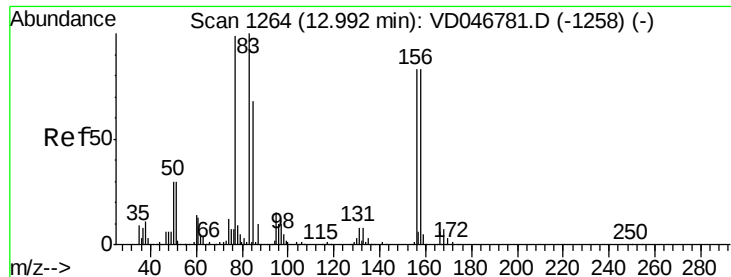
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 50.74 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

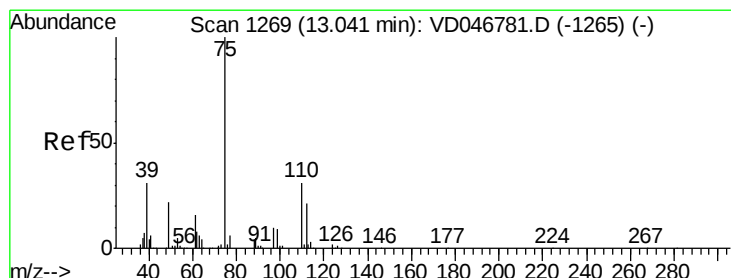
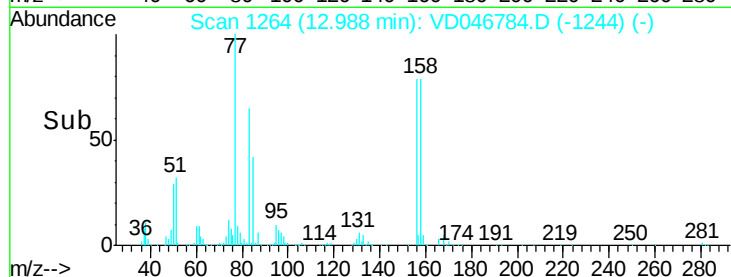
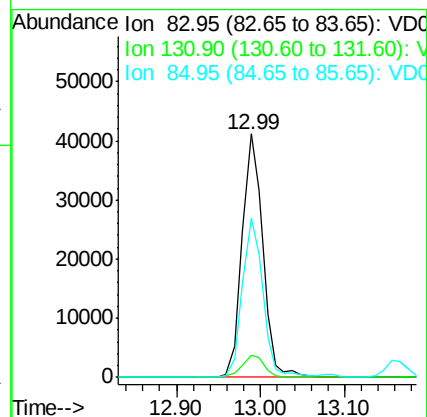
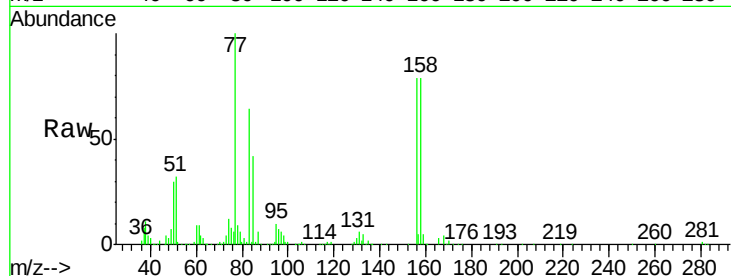
Tot Ion: 83 Resp: 70342

Ion Ratio Lower Upper

83 100

131 9.2 3.9 11.7

85 65.2 30.5 91.5



#76

1,2,3-Trichloropropane

Concen: 54.71 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD046784.D

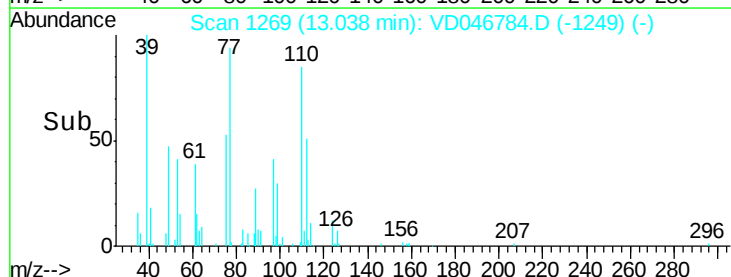
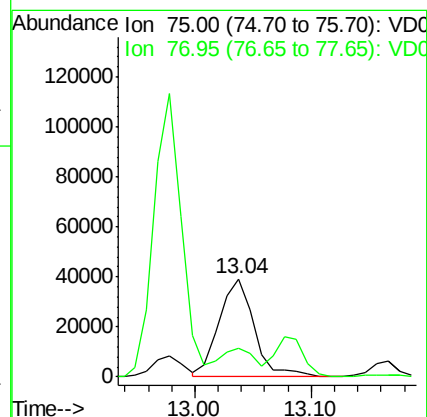
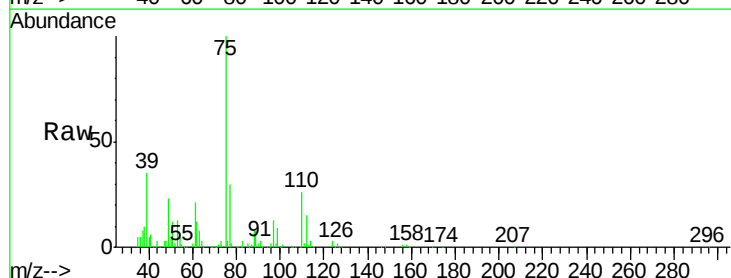
Acq: 18 Sep 2015 15:33

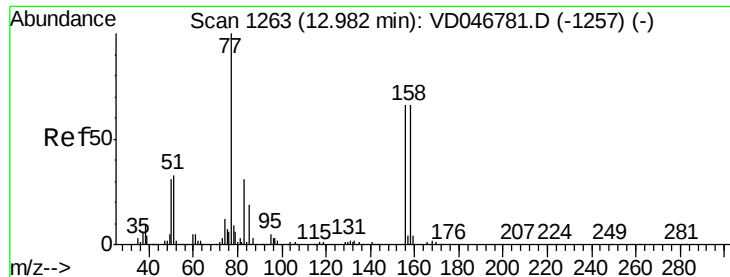
Tgt Ion: 75 Resp: 81143

Ion Ratio Lower Upper

75 100

77 29.7 16.0 48.0





#77

Bromobenzene

Concen: 53.51 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

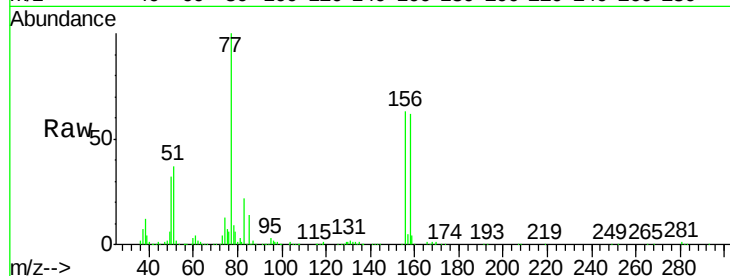
Tot Ion:156 Resp: 115605

Ion Ratio Lower Upper

156 100

77 158.9 70.3 210.8

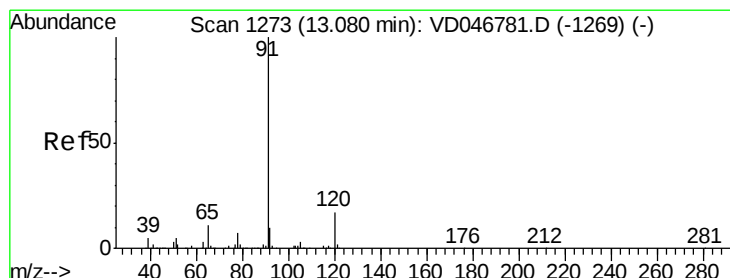
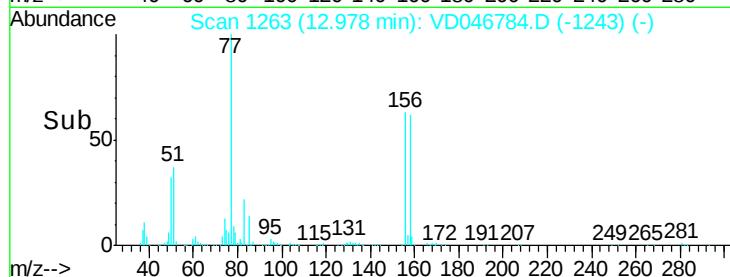
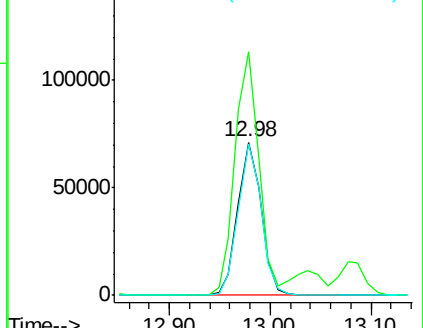
158 98.5 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.26 ug/l

RT: 13.08 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD046784.D

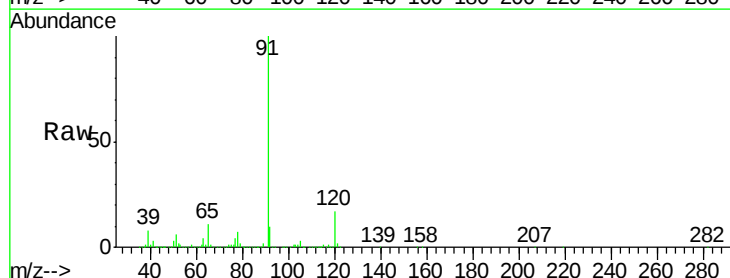
Acq: 18 Sep 2015 15:33

Tgt Ion: 91 Resp: 646140

Ion Ratio Lower Upper

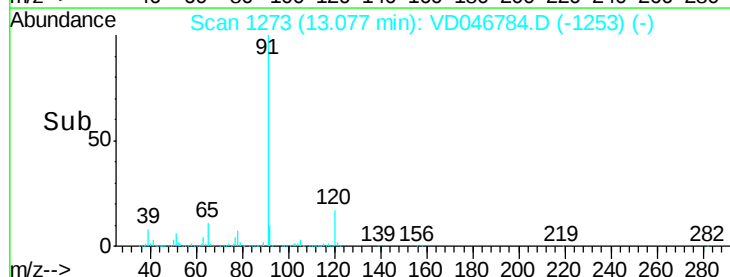
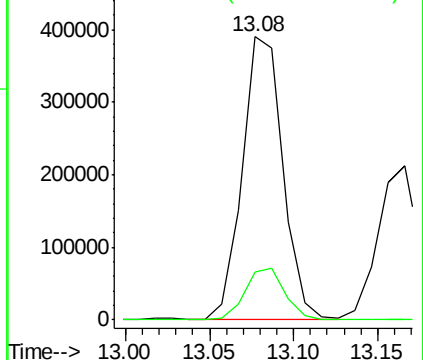
91 100

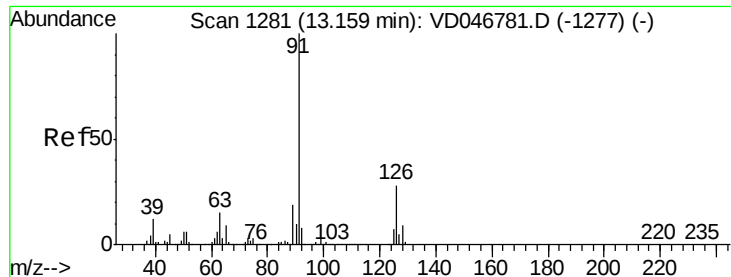
120 17.0 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

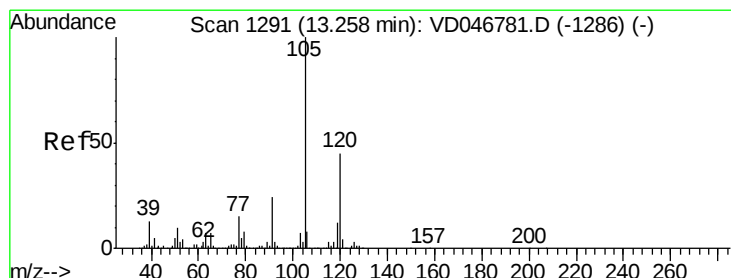
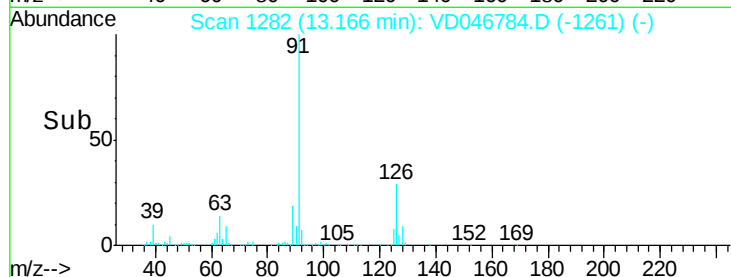
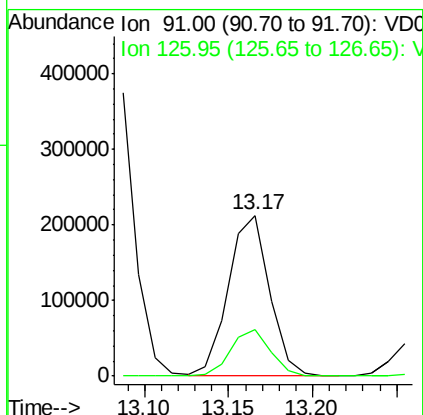
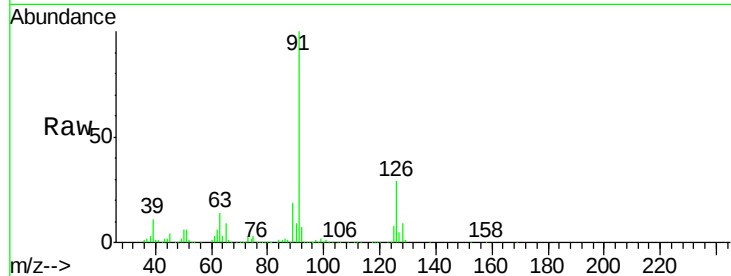




#79
 2-Chlorotoluene
 Concen: 53.15 ug/l
 RT: 13.17 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

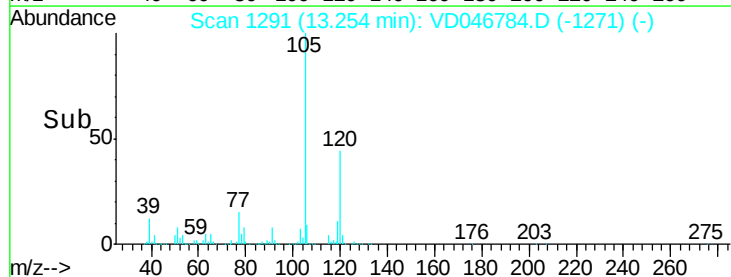
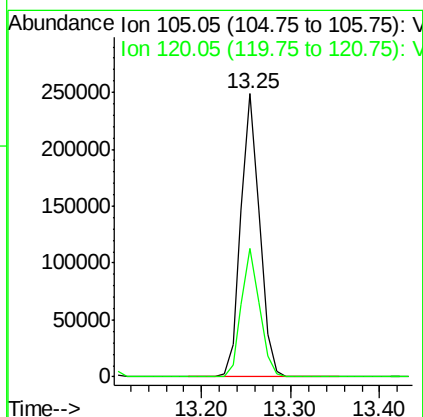
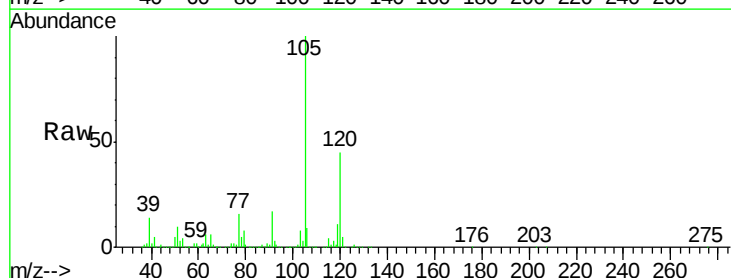
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

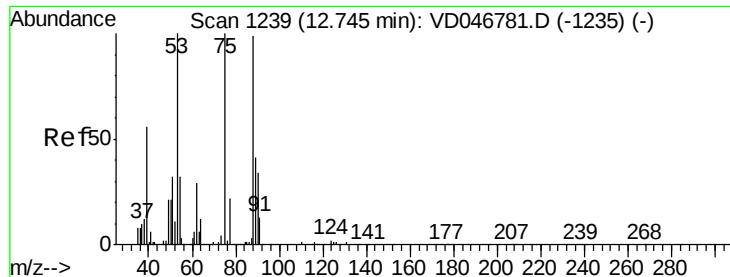
Tot Ion: 91 Resp: 358013
 Ion Ratio Lower Upper
 91 100
 126 29.0 14.1 42.4



#80
 1,3,5-Trimethylbenzene
 Concen: 53.43 ug/l
 RT: 13.25 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion: 105 Resp: 365800
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.71 ug/l

RT: 12.74 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

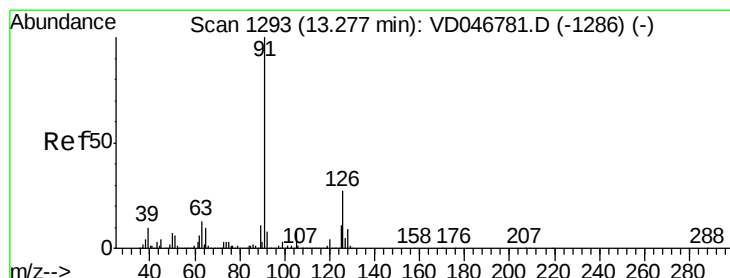
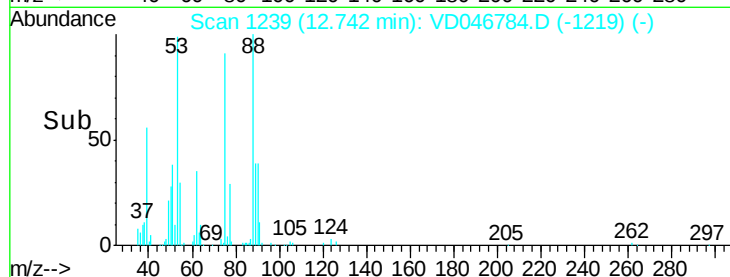
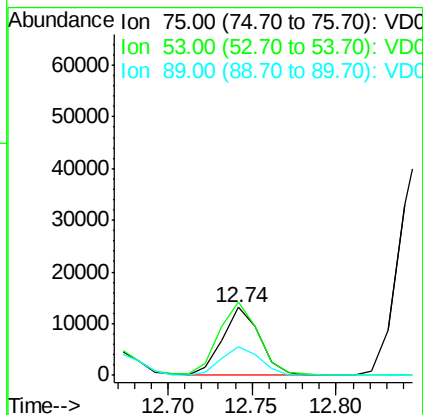
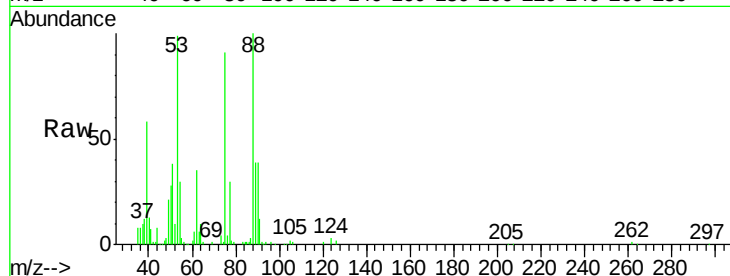
Tot Ion: 75 Resp: 20284

Ion Ratio Lower Upper

75 100

53 108.6 82.3 123.5

89 42.7 36.6 54.8



#82

4-Chlorotoluene

Concen: 51.69 ug/l

RT: 13.27 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VD046784.D

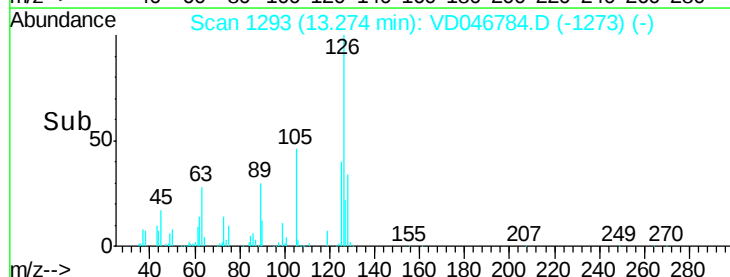
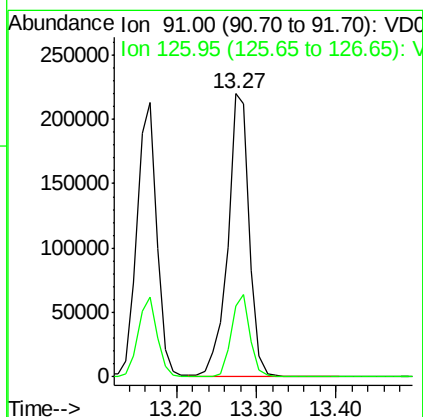
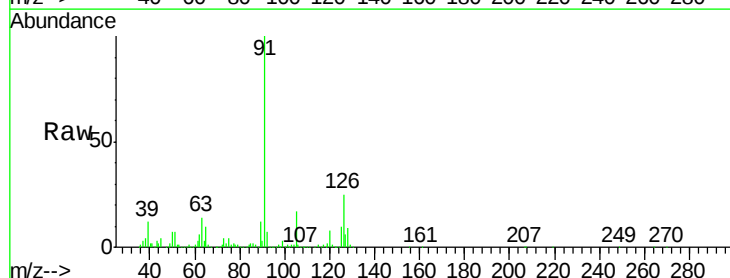
Acq: 18 Sep 2015 15:33

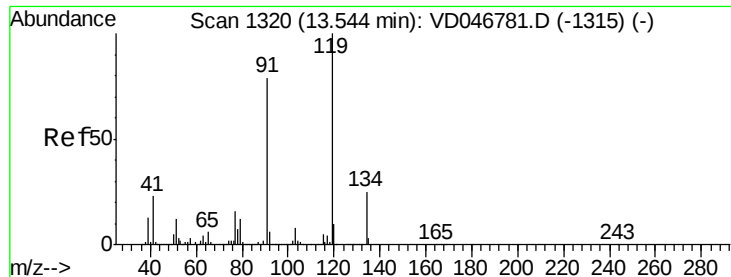
Tgt Ion: 91 Resp: 414384

Ion Ratio Lower Upper

91 100

126 25.2 14.1 42.4





#83

tert-Butylbenzene

Concen: 63.65 ug/l

RT: 13.54 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

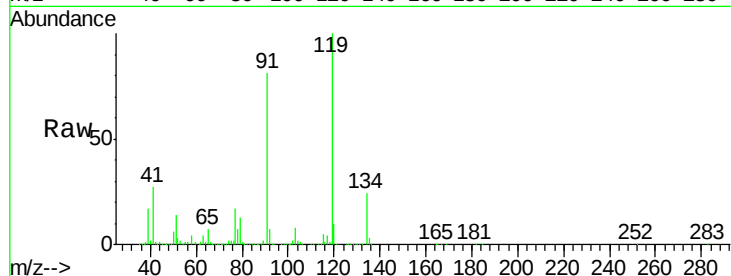
Tot Ion:119 Resp: 392889

Ion Ratio Lower Upper

119 100

91 80.8 41.6 124.9

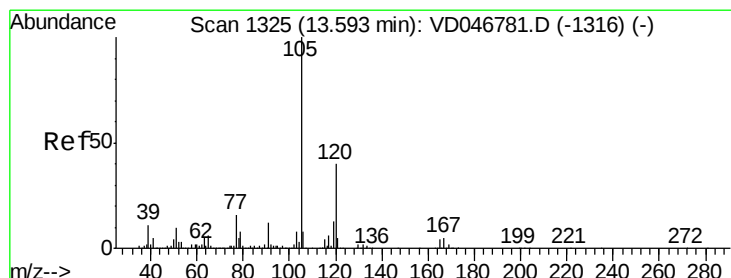
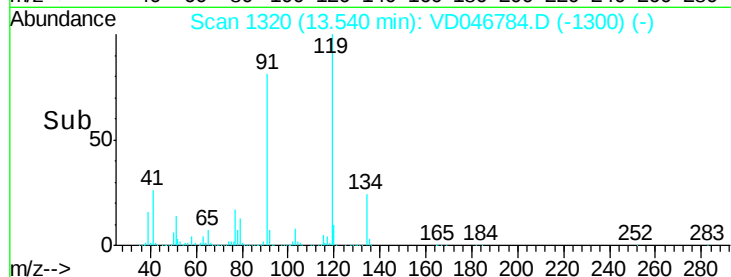
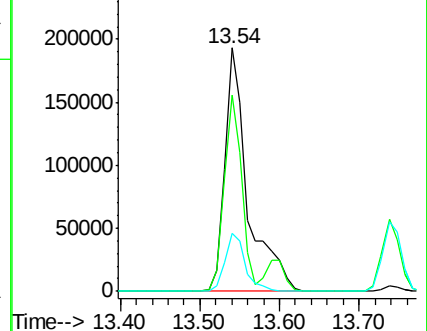
134 24.0 12.4 37.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.06 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VD046784.D

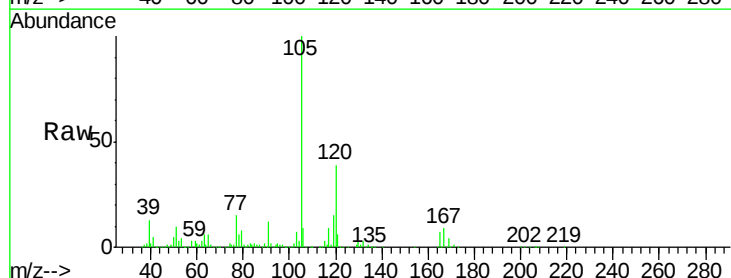
Acq: 18 Sep 2015 15:33

Tgt Ion:105 Resp: 365659

Ion Ratio Lower Upper

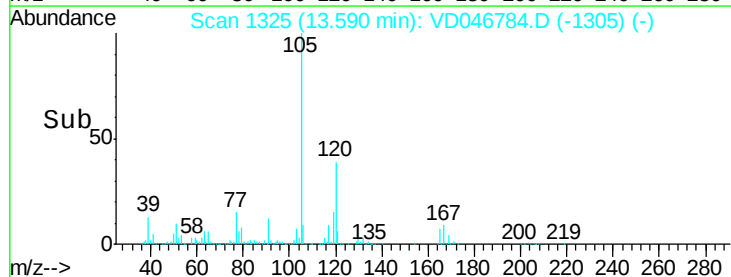
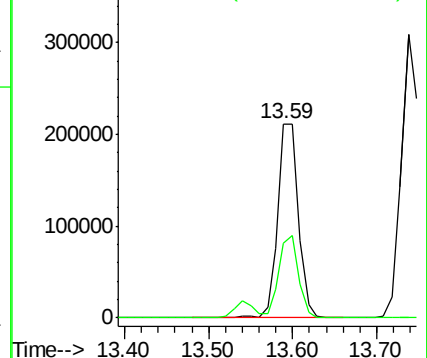
105 100

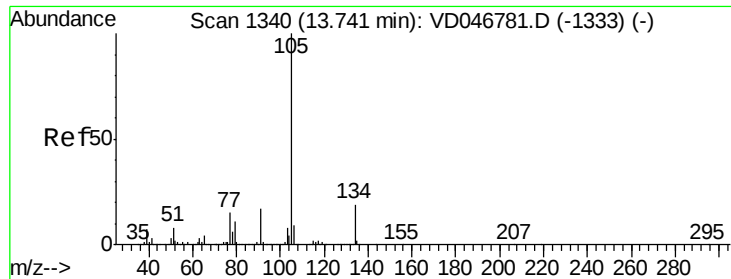
120 38.6 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

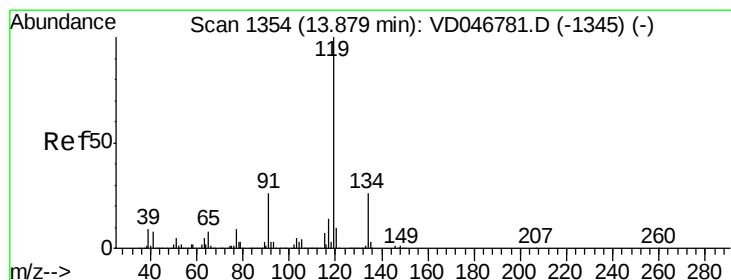
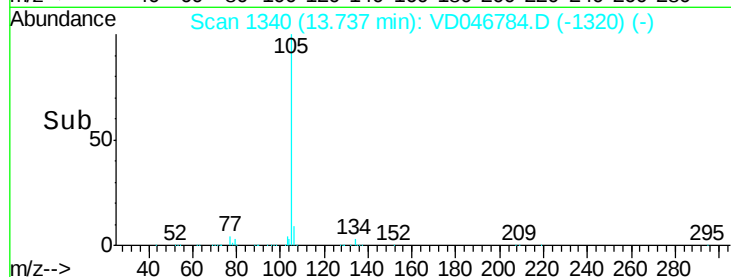
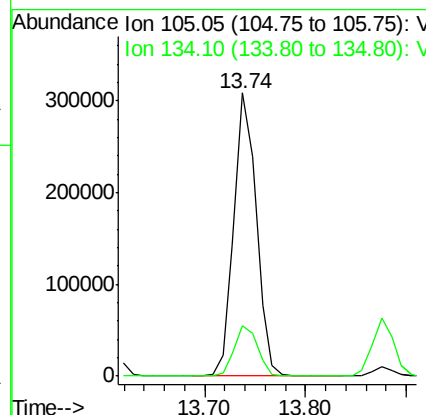
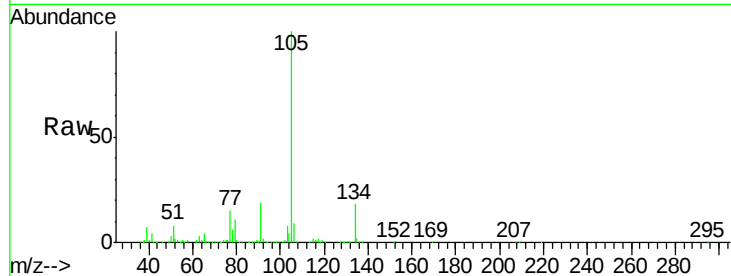




#85
 sec-Butylbenzene
 Concen: 52.52 ug/l
 RT: 13.74 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

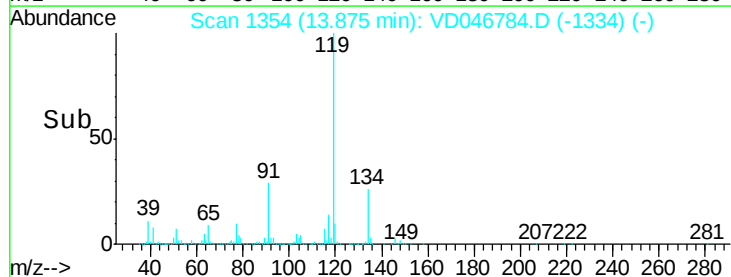
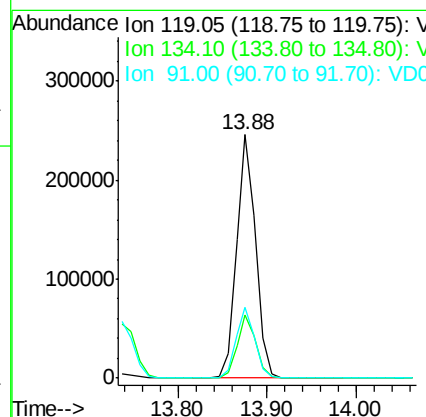
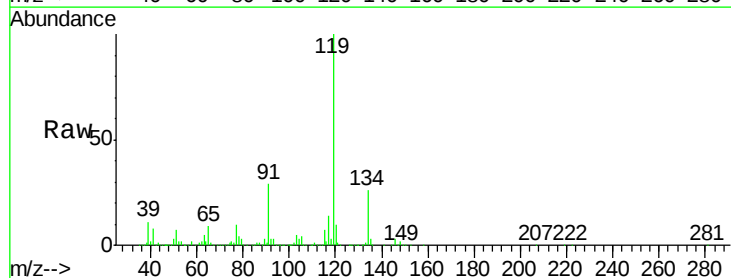
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

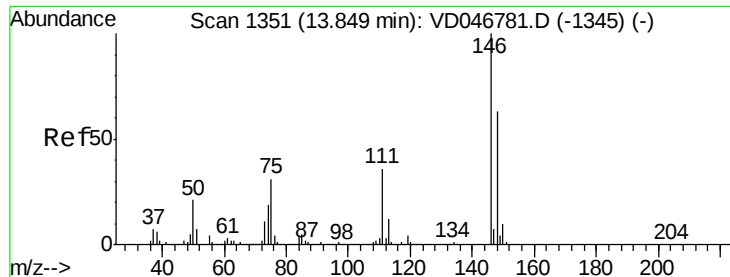
Tot Ion:105 Resp: 476478
 Ion Ratio Lower Upper
 105 100
 134 17.8 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 51.82 ug/l
 RT: 13.88 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion:119 Resp: 369569
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 29.3 13.8 41.3

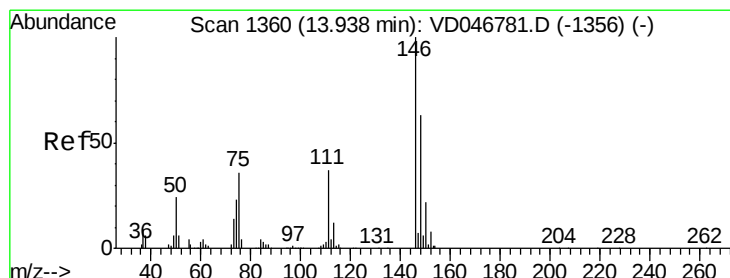
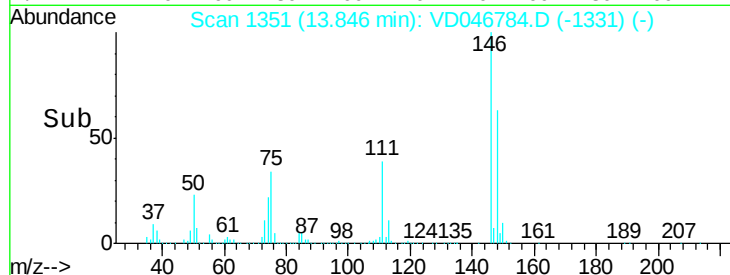
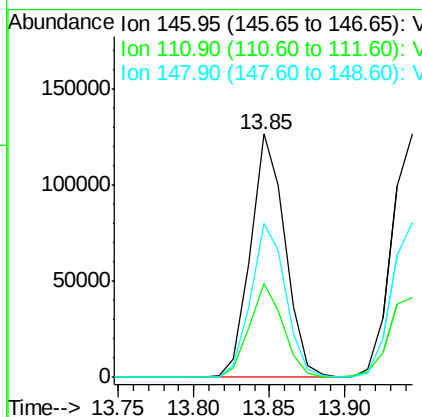
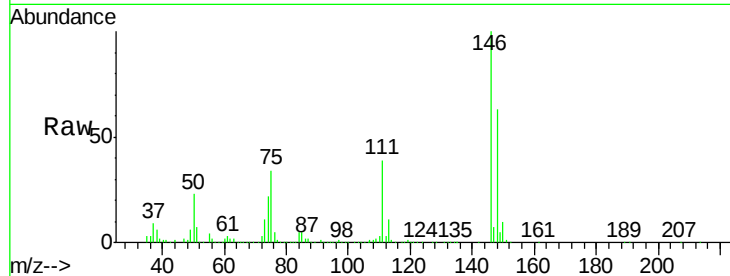




#87
 1,3-Dichlorobenzene
 Concen: 50.13 ug/l
 RT: 13.85 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

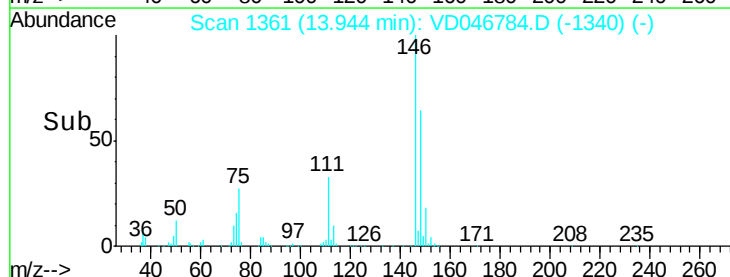
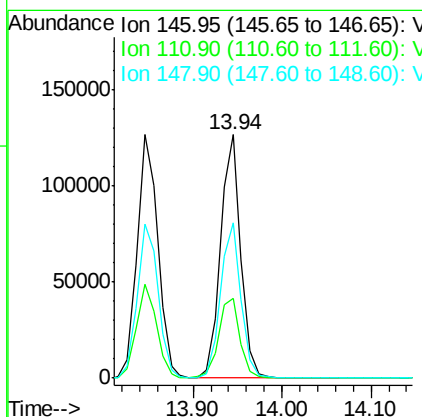
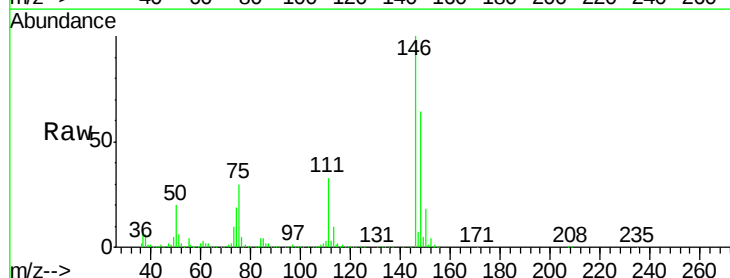
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

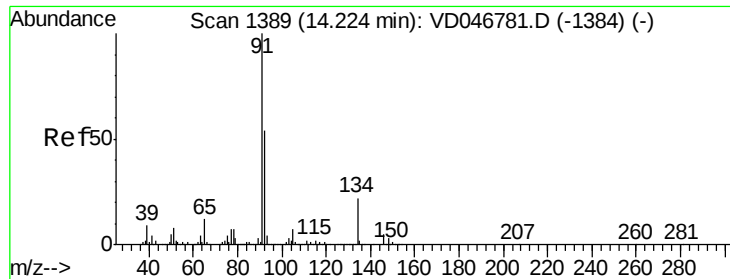
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	17.4	52.2
148	63.1	33.0	99.0



#88
 1,4-Dichlorobenzene
 Concen: 50.37 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.9	17.0	51.0
148	63.6	31.9	95.7





#89

n-Butylbenzene

Concen: 49.95 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

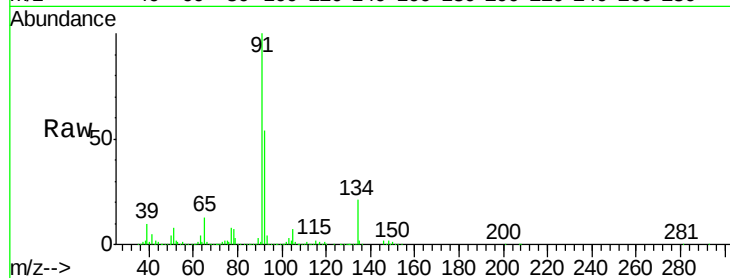
Tot Ion: 91 Resp: 402167

Ion Ratio Lower Upper

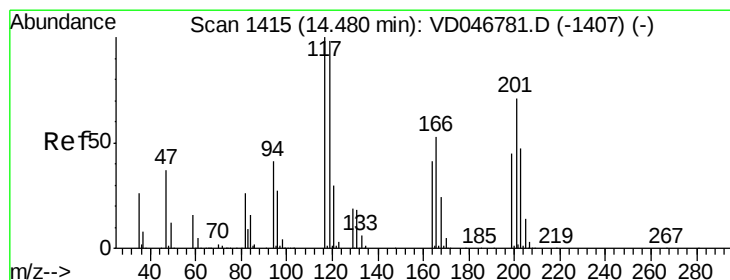
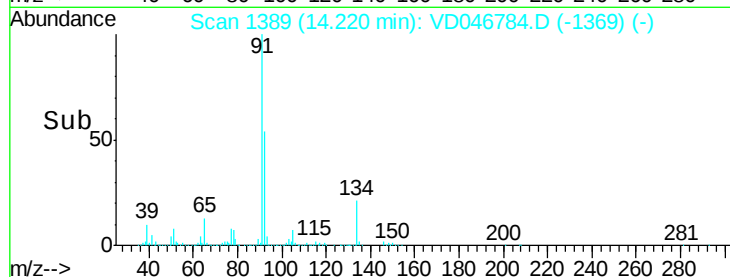
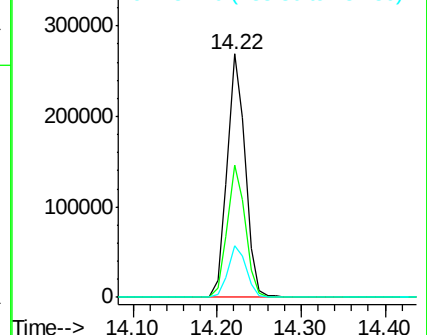
91 100

92 54.4 27.1 81.2

134 21.0 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: 47.65 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD046784.D

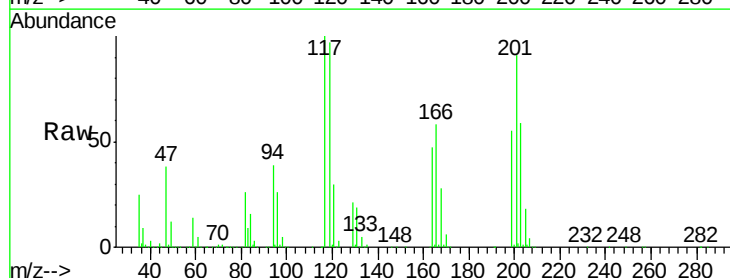
Acq: 18 Sep 2015 15:33

Tgt Ion: 117 Resp: 78773

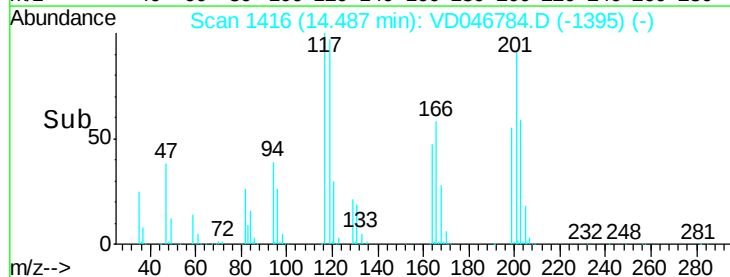
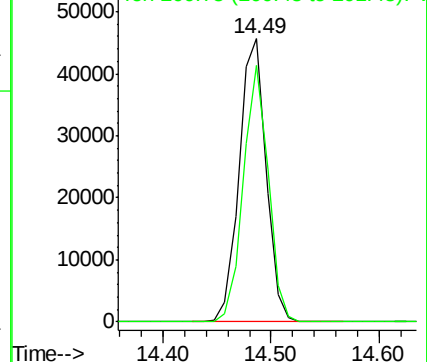
Ion Ratio Lower Upper

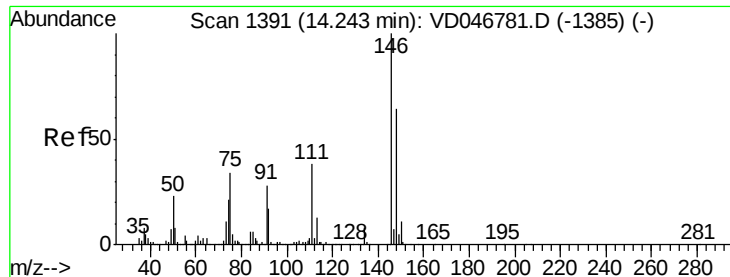
117 100

201 90.6 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: 49.81 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

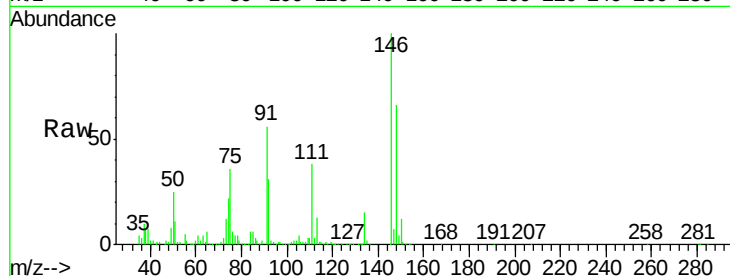
Tot Ion:146 Resp: 168663

Ion Ratio Lower Upper

146 100

111 37.7 18.2 54.6

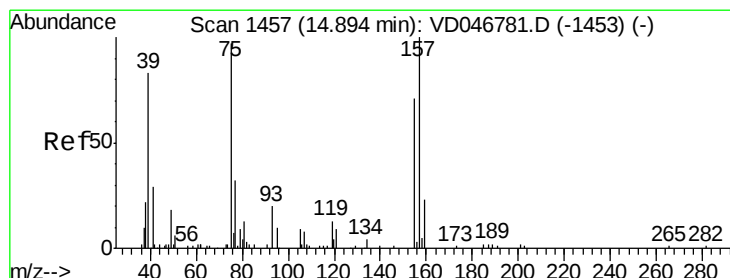
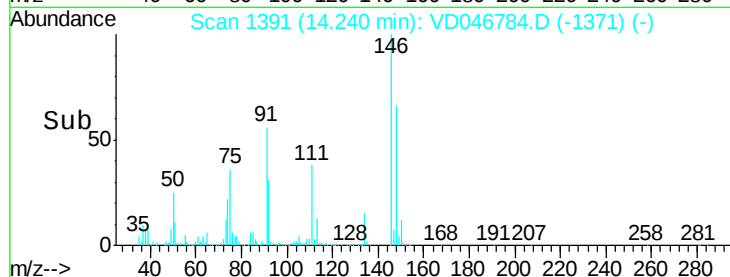
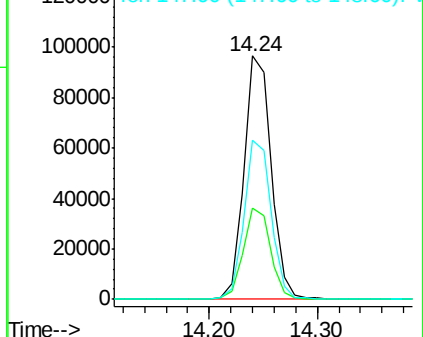
148 65.6 31.1 93.3



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: 48.24 ug/l

RT: 14.89 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

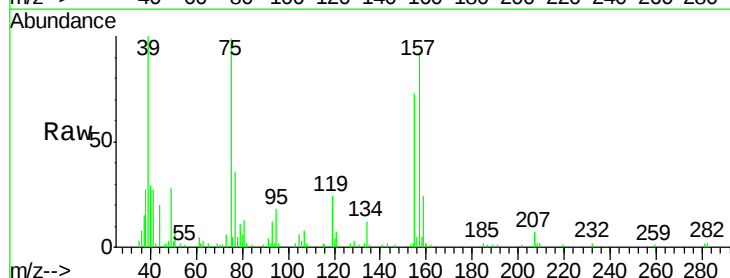
Tgt Ion: 75 Resp: 8596

Ion Ratio Lower Upper

75 100

155 73.5 41.4 124.4

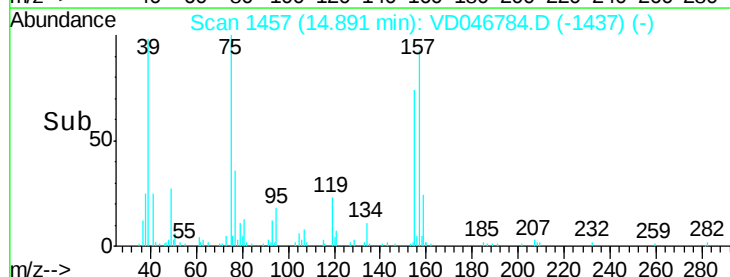
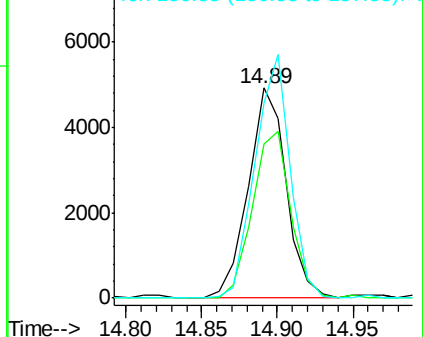
157 92.9 65.0 195.1

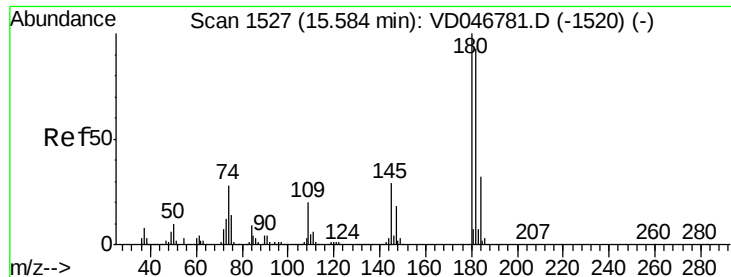


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

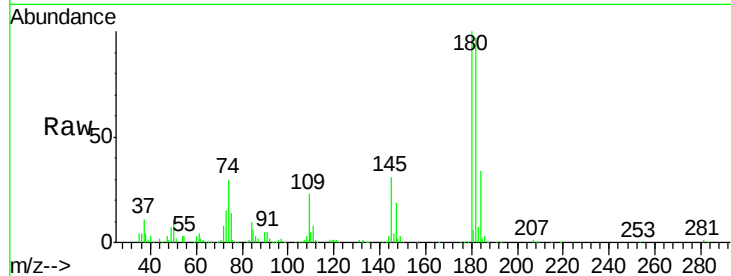




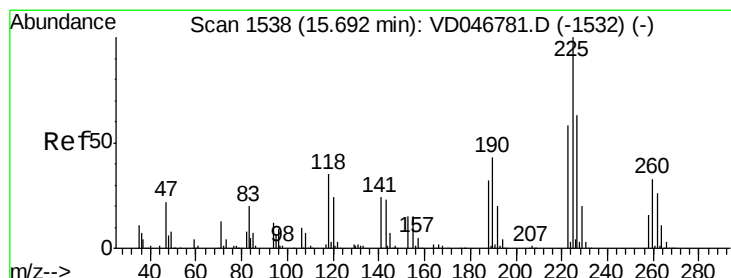
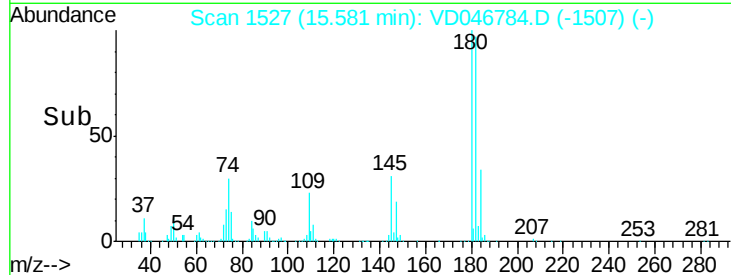
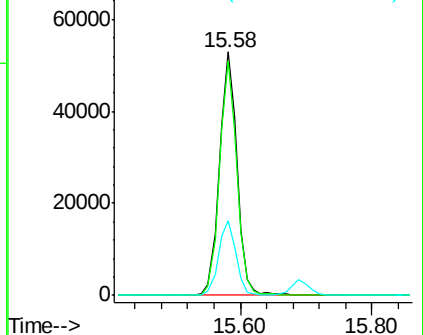
#93
 1,2,4-Trichlorobenzene
 Concen: 50.68 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tot Ion:180 Resp: 98809
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.5 142.5
 145 30.8 14.6 44.0

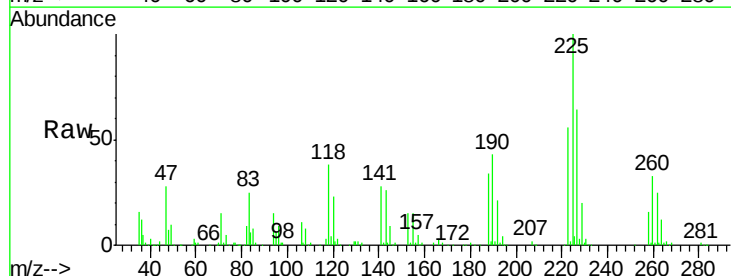


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

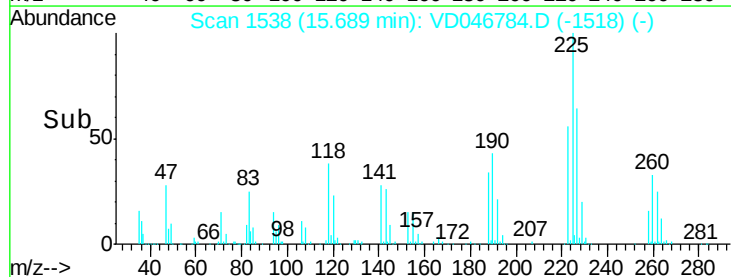
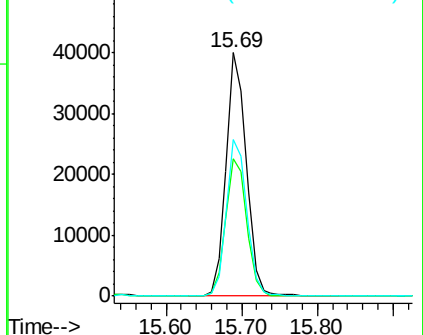


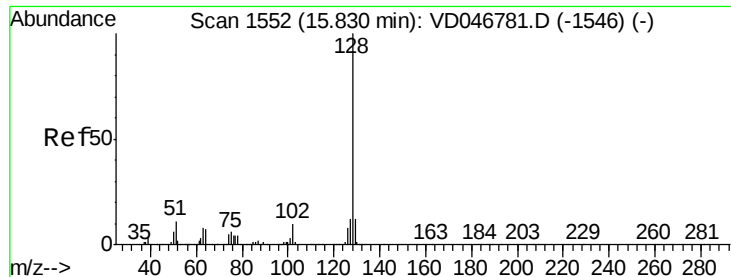
#94
 Hexachlorobutadiene
 Concen: 46.14 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion:225 Resp: 74057
 Ion Ratio Lower Upper
 225 100
 223 56.2 30.4 91.2
 227 64.3 31.3 93.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 49.33 ug/l

RT: 15.83 min Scan# 1552

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

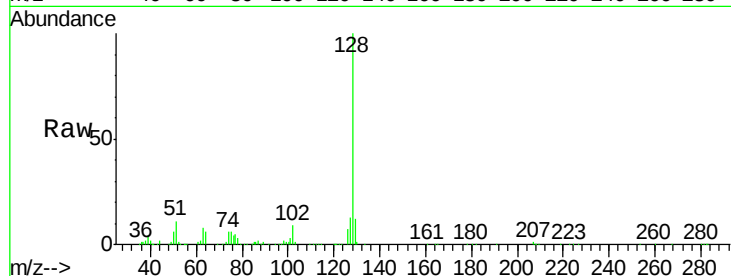
Tot Ion:128 Resp: 127224

Ion Ratio Lower Upper

128 100

127 13.3 9.8 14.6

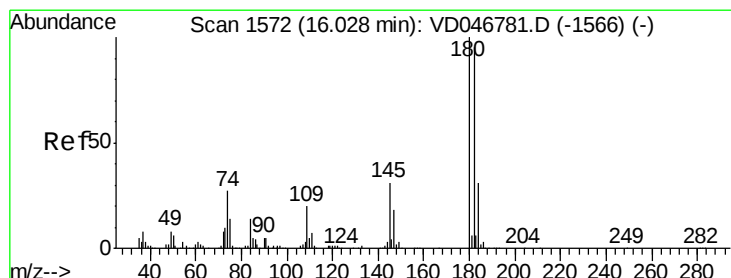
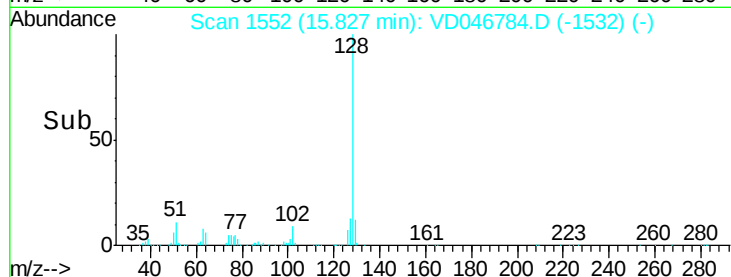
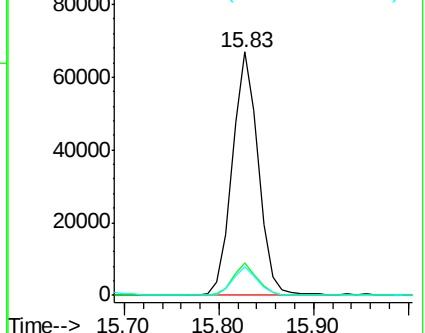
129 11.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.27 ug/l

RT: 16.02 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

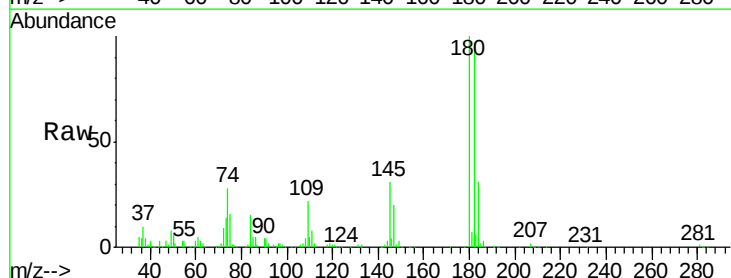
Tgt Ion:180 Resp: 81907

Ion Ratio Lower Upper

180 100

182 97.2 47.4 142.3

145 31.4 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

