

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046798.D
 Acq On : 21 Sep 2015 10:36
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 12:41:05 PM

Quant Time: Sep 22 01:26:50 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	228942	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	273432	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	268702	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	148460	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	111981	47.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.08%	
35) Dibromofluoromethane	6.19	113	109469	51.17	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	9.60	98	362126	53.66	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.32%	
62) 4-Bromofluorobenzene	12.84	95	147176	54.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	101701	48.72	ug/l	97
3) Chlorodifluoromethane	1.43	51	73575	41.47	ug/l #	91
4) Chloromethane	1.57	50	59784	44.30	ug/l	98
5) Vinyl Chloride	1.67	62	59541	46.97	ug/l	100
6) Bromomethane	1.97	94	54069	49.20	ug/l	100
7) Chloroethane	2.07	64	36965	46.59	ug/l	97
8) Trichlorofluoromethane	2.32	101	184853	49.30	ug/l	95
9) Diethyl Ether	2.62	74	33729	50.75	ug/l	81
10) 1,1,2-Trichlorotrifluoroet	2.88	101	112514	47.96	ug/l	97
11) Methyl Iodide	3.04	142	125080	45.80	ug/l	95
12) Tert butyl alcohol	3.67	59	15765	201.83	ug/l	97
13) 1,1-Dichloroethene	2.87	96	88196	48.08	ug/l	94
14) Acrolein	2.77	56	32578	267.90	ug/l	90
15) Allyl chloride	3.31	41	178156	47.84	ug/l #	82
16) Acrylonitrile	3.82	53	67734	243.70	ug/l	99
17) Acetone	2.93	43	105533	262.39	ug/l	97
18) Carbon Disulfide	3.12	76	310361	45.17	ug/l	97
19) Methyl Acetate	3.32	43	107947	46.33	ug/l	96
20) Methyl tert-butyl Ether	3.89	73	156089	54.32	ug/l	96
21) Methylene Chloride	3.49	84	99136	45.39	ug/l	90
22) trans-1,2-Dichloroethene	3.88	96	100520	48.60	ug/l	99
23) Diisopropyl ether	4.64	45	323357	52.31	ug/l #	94
24) Vinyl Acetate	4.59	43	347239m	240.23	ug/l	
25) 1,1-Dichloroethane	4.55	63	179144	47.04	ug/l	99
26) 2-Butanone	5.43	43	115919	256.44	ug/l	98
27) 2,2-Dichloropropane	5.40	77	196145	50.13	ug/l	97
28) cis-1,2-Dichloroethene	5.41	96	107952	50.13	ug/l	90
29) Bromochloromethane	5.77	49	66801	44.52	ug/l	96
30) Chloroform	5.96	83	227840	49.32	ug/l	100
31) Cyclohexane	6.25	56	165201	46.23	ug/l	96
32) 1,1,1-Trichloroethane	6.16	97	208800	50.77	ug/l	96
36) 1,1-Dichloropropene	6.41	75	165055	51.65	ug/l	96
37) Ethyl Acetate	5.53	43	54259	52.86	ug/l	97
38) Carbon Tetrachloride	6.39	117	173719	52.31	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	180114	55.63	ug/l	98
40) Benzene	6.71	78	410642	50.34	ug/l	96
41) Methacrylonitrile	5.74	41	30662	53.26	ug/l #	80
42) 1,2-Dichloroethane	6.81	62	136602	53.91	ug/l	95
43) Isopropyl Acetate	8.39	43	76522	56.55	ug/l	100
44) Trichloroethene	7.73	130	105892	51.85	ug/l	95
45) 1,2-Dichloropropane	8.12	63	103847	51.38	ug/l	99
46) Dibromomethane	8.25	93	59746	52.06	ug/l	96
47) Bromodichloromethane	8.55	83	164154	54.50	ug/l	99
48) Methyl methacrylate	8.07	41	111914	54.10	ug/l	97
49) 1,4-Dioxane	8.27	88	8324	1087.76	ug/l #	86
51) 4-Methyl-2-Pentanone	9.47	43	287654	294.22	ug/l	95
52) Toluene	9.70	92	272204	54.10	ug/l	99
53) t-1,3-Dichloropropene	10.11	75	129689	58.32	ug/l	96
54) cis-1,3-Dichloropropene	9.21	75	161556	56.42	ug/l	93
55) 1,1,2-Trichloroethane	10.38	97	71295	54.72	ug/l	96
56) Ethyl methacrylate	10.22	69	71689	52.81	ug/l	98
57) 1,3-Dichloropropane	10.59	76	131405	54.24	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.01	63	170323	264.75	ug/l	98
59) 2-Hexanone	10.70	43	227994	322.78	ug/l	93
60) Dibromochloromethane	10.87	129	98806	55.26	ug/l	95
61) 1,2-Dibromoethane	11.00	107	70009	54.43	ug/l	99
64) Tetrachloroethene	10.45	164	109479	50.46	ug/l	94
65) Chlorobenzene	11.59	112	279901	49.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.71	131	107059	51.54	ug/l	98
67) Ethyl Benzene	11.71	91	597251	52.56	ug/l	100
68) m/p-Xylenes	11.87	106	376682	105.10	ug/l	93
69) o-Xylene	12.27	106	178867	55.44	ug/l	95
70) Styrene	12.30	104	308670	55.18	ug/l	96
71) Bromoform	12.49	173	60396	54.59	ug/l	95
73) Isopropylbenzene	12.66	105	542935	51.88	ug/l	97
74) N-amyl acetate	12.49	43	126540	48.26	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.97	83	83268	49.30	ug/l	98
76) 1,2,3-Trichloropropane	13.02	75	90079	49.85	ug/l	96
77) Bromobenzene	12.96	156	130321	49.52	ug/l	92
78) n-propylbenzene	13.06	91	758365	51.31	ug/l	96
79) 2-Chlorotoluene	13.14	91	413014	50.34	ug/l	97
80) 1,3,5-Trimethylbenzene	13.24	105	425261	50.99	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	24498	49.32	ug/l	98
82) 4-Chlorotoluene	13.26	91	487802	49.95	ug/l	98
83) tert-Butylbenzene	13.53	119	385408m	51.25	ug/l	
84) 1,2,4-Trimethylbenzene	13.58	105	428974	51.10	ug/l	98
85) sec-Butylbenzene	13.72	105	576896	52.20	ug/l	95
86) p-Isopropyltoluene	13.86	119	451581	51.98	ug/l	99
87) 1,3-Dichlorobenzene	13.83	146	245460	49.99	ug/l	97
88) 1,4-Dichlorobenzene	13.93	146	241388	49.44	ug/l	98
89) n-Butylbenzene	14.21	91	533354	54.39	ug/l	96
90) Hexachloroethane	14.47	117	99627	49.47	ug/l	91
91) 1,2-Dichlorobenzene	14.23	146	207827	50.38	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.88	75	10593	48.80	ug/l	82

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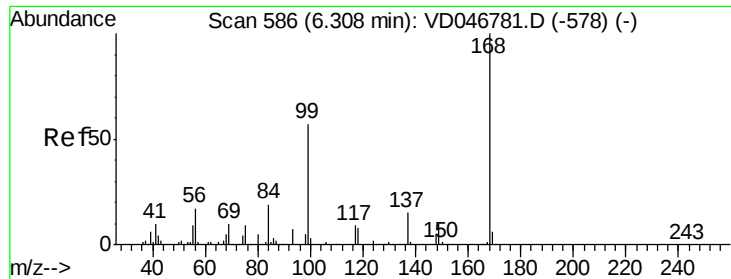
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	133719	56.30	ug/l	98
94) Hexachlorobutadiene	15.68	225	100837	51.57	ug/l	94
95) Naphthalene	15.81	128	161763	51.39	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	106070	53.45	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tot Ion: 168 Resp: 228942

Ion Ratio Lower Upper

168 100

99 59.1 42.4 63.6

Instrument :

MSVOA_D

ClientSampleId :

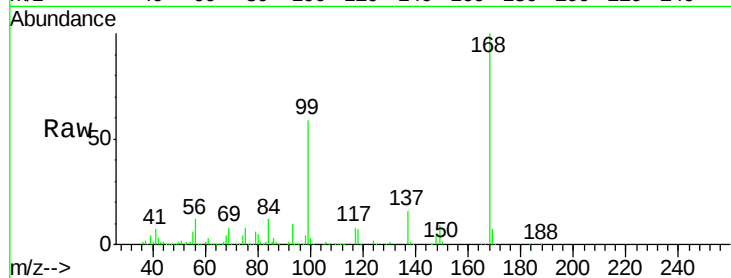
VSTDCCC050

Manual Integrations

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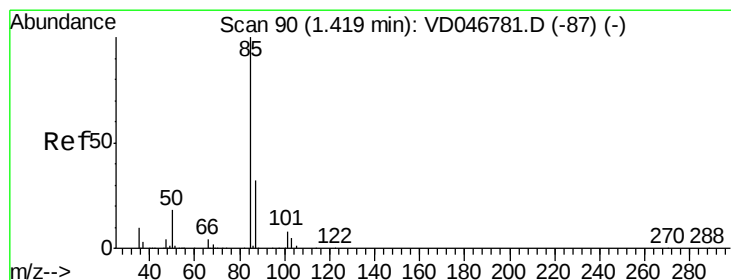
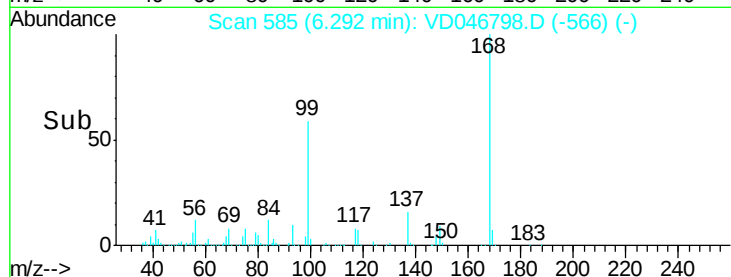
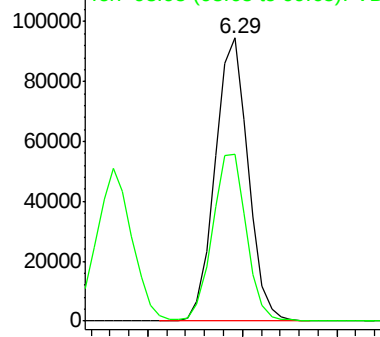
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.72 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046798.D

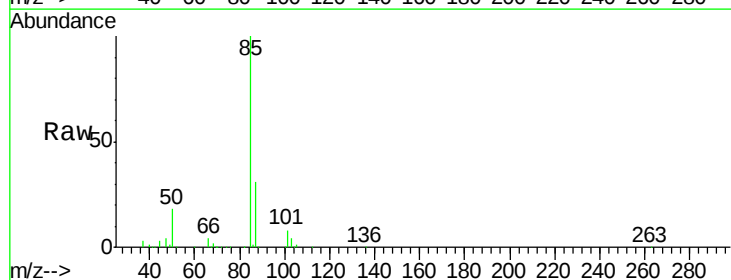
Acq: 21 Sep 2015 10:36

Tgt Ion: 85 Resp: 101701

Ion Ratio Lower Upper

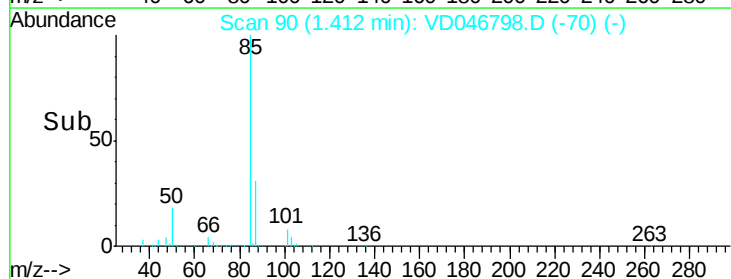
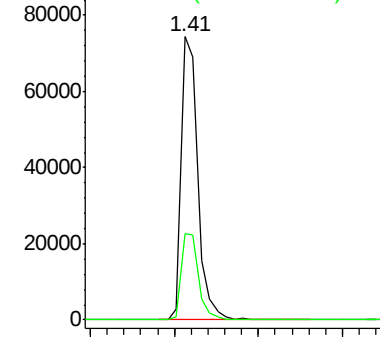
85 100

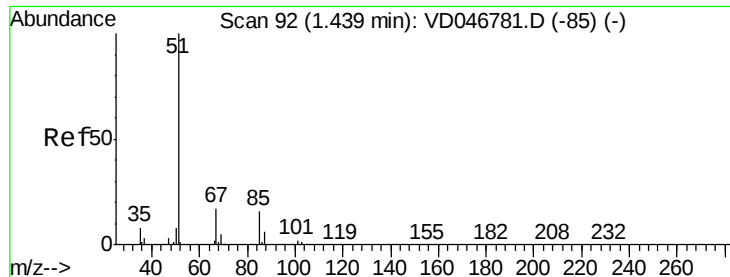
87 30.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 41.47 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 51 Resp: 73575

Ion Ratio Lower Upper

51 100

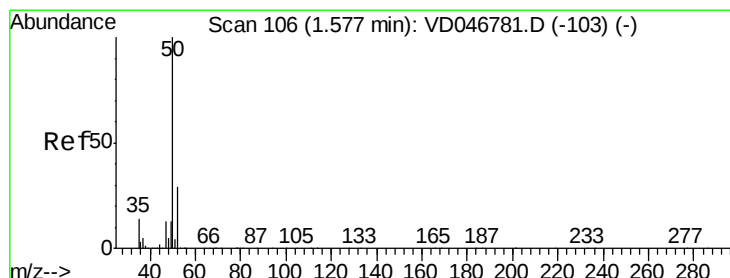
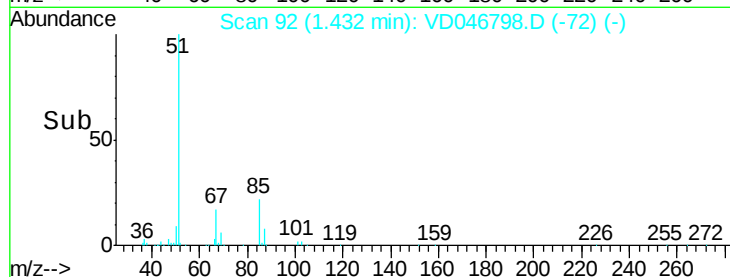
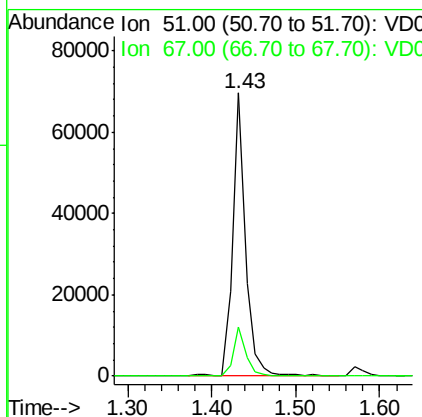
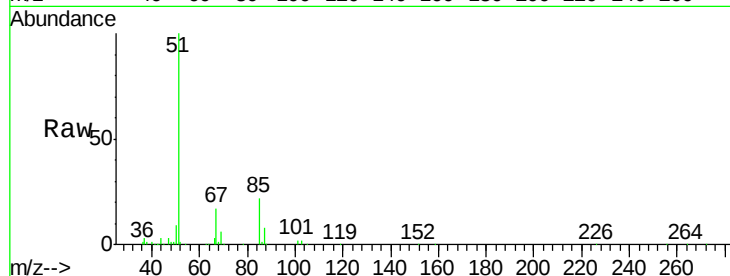
67 17.1 10.9 16.3#

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#4

Chloromethane

Concen: 44.30 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046798.D

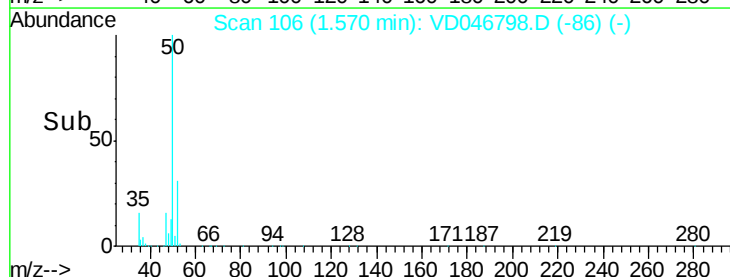
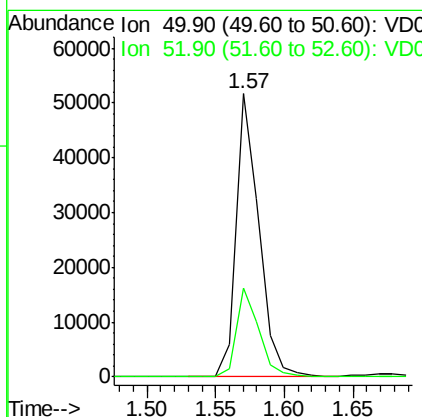
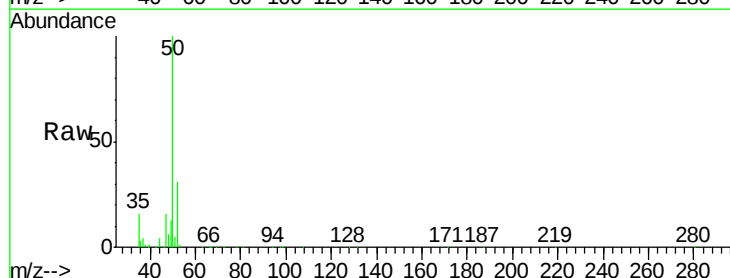
Acq: 21 Sep 2015 10:36

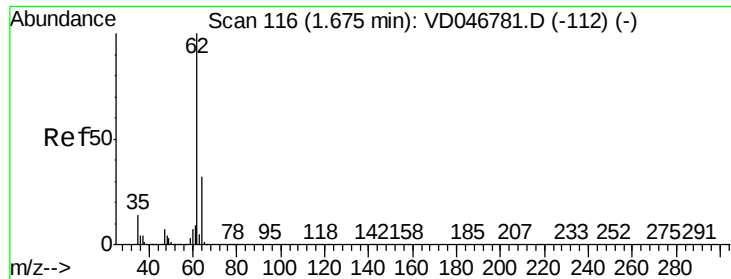
Tgt Ion: 50 Resp: 59784

Ion Ratio Lower Upper

50 100

52 31.5 26.2 39.2





#5

Vinyl Chloride

Concen: 46.97 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

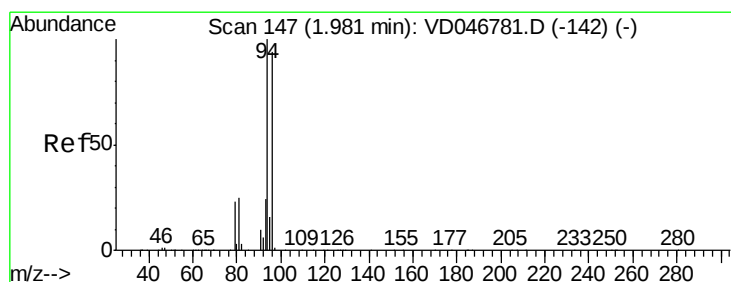
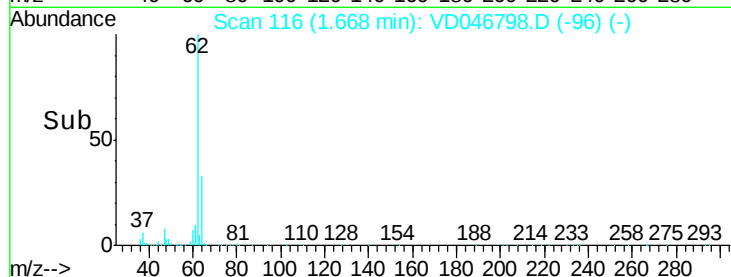
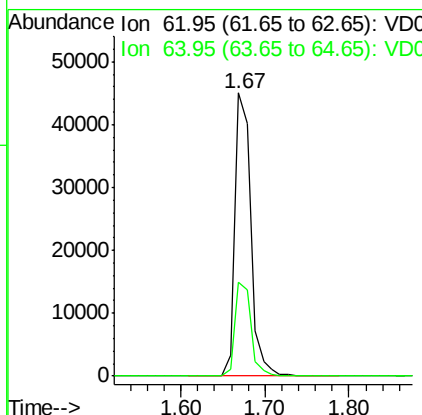
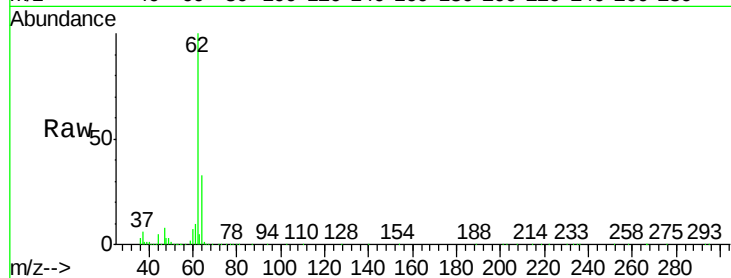
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
62	100		
64	33.1	26.4	39.6

Manual Integrations
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#6

Bromomethane

Concen: 49.20 ug/l

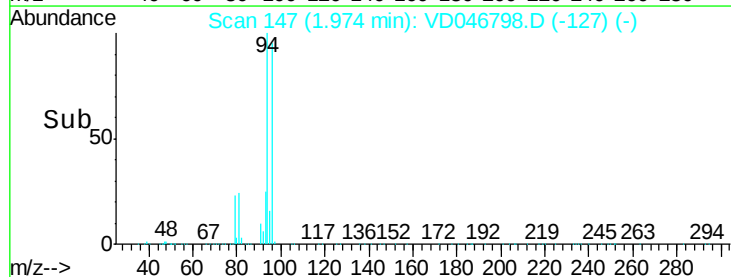
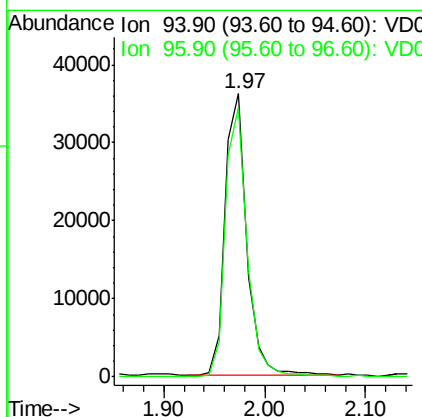
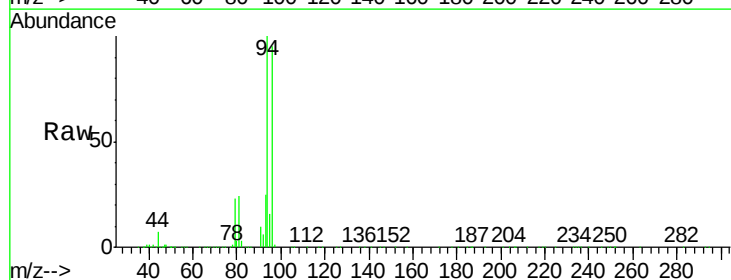
RT: 1.97 min Scan# 147

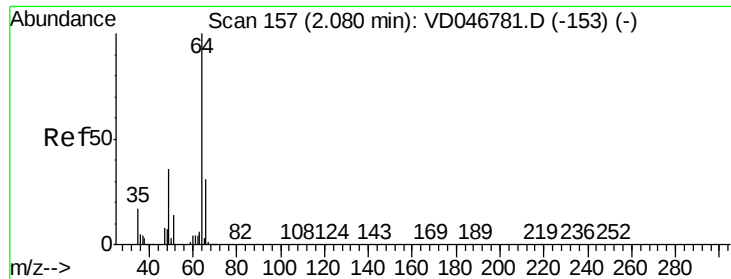
Delta R.T. -0.01 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
94	100		
96	95.0	76.0	114.0





#7

Chloroethane

Concen: 46.59 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 64 Resp: 36965

Ion Ratio Lower Upper

64 100

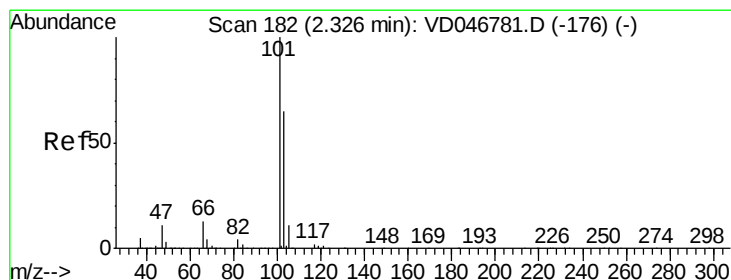
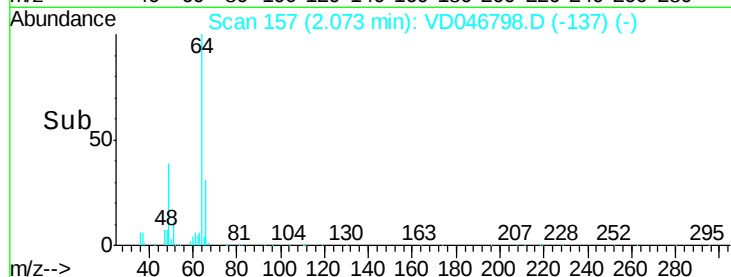
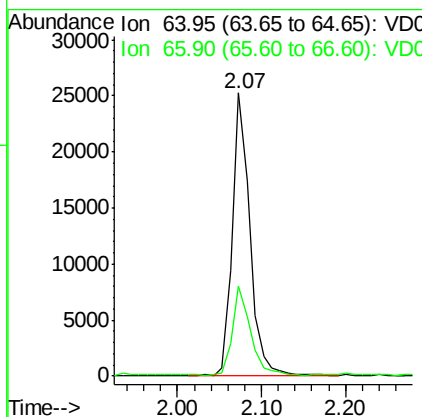
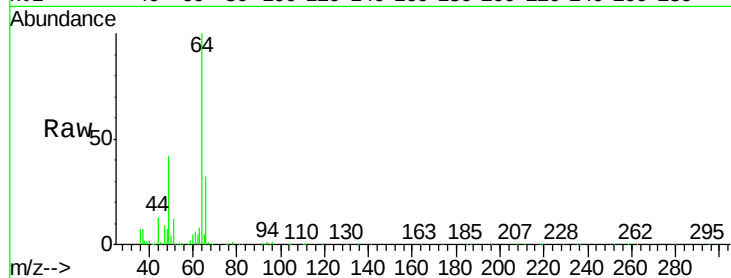
66 31.7 26.6 39.8

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 49.30 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046798.D

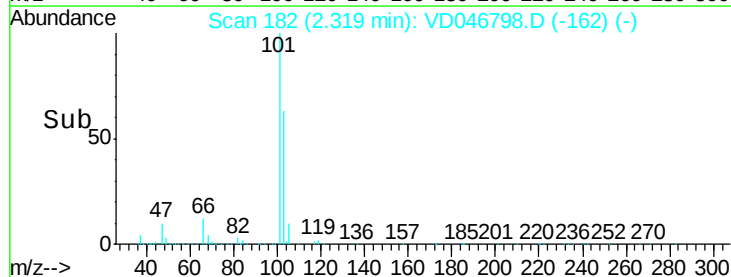
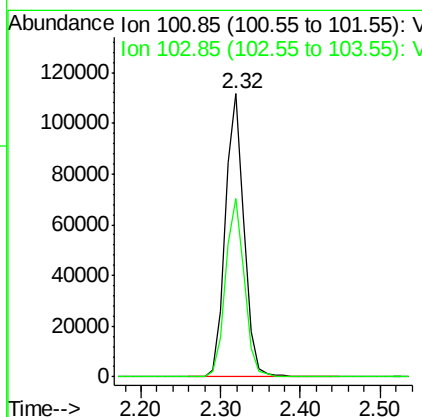
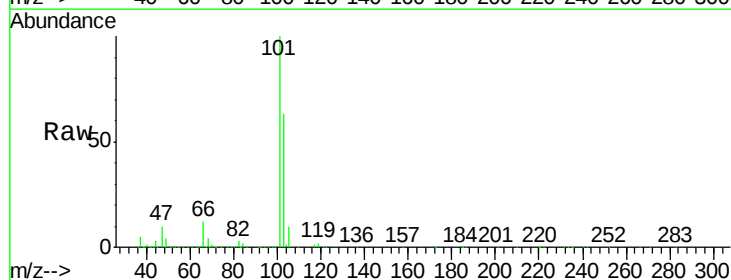
Acq: 21 Sep 2015 10:36

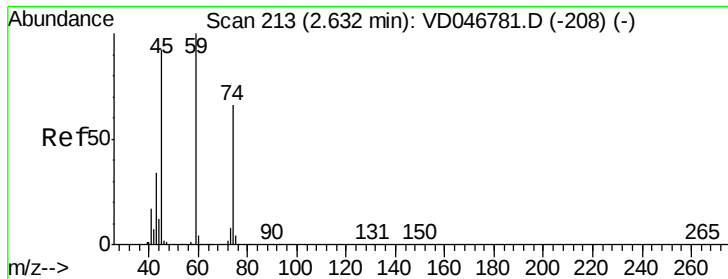
Tgt Ion: 101 Resp: 184853

Ion Ratio Lower Upper

101 100

103 62.9 53.2 79.8





#9

Diethyl Ether

Concen: 50.75 ug/l

RT: 2.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 74 Resp: 33729

Ion Ratio Lower Upper

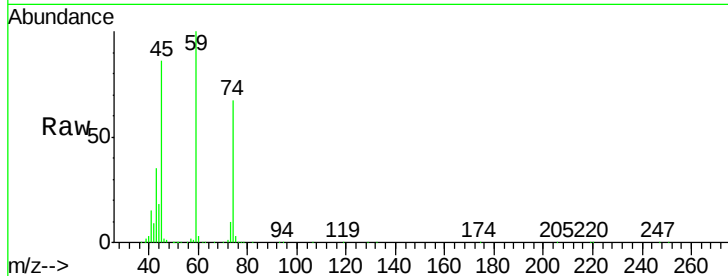
74 100

45 128.5 76.2 228.6

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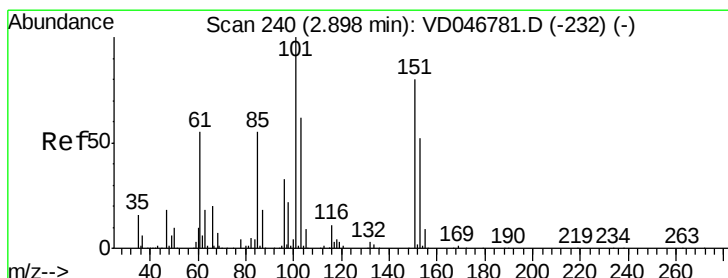
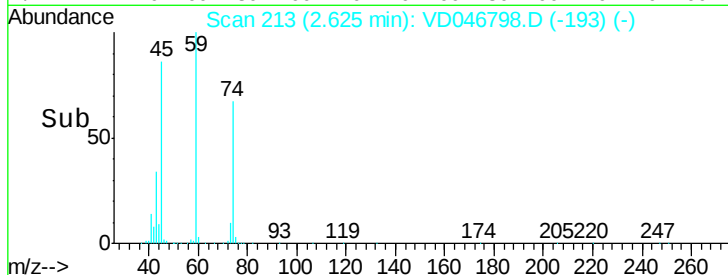
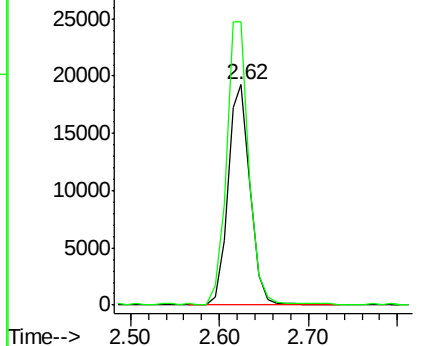
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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 47.96 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

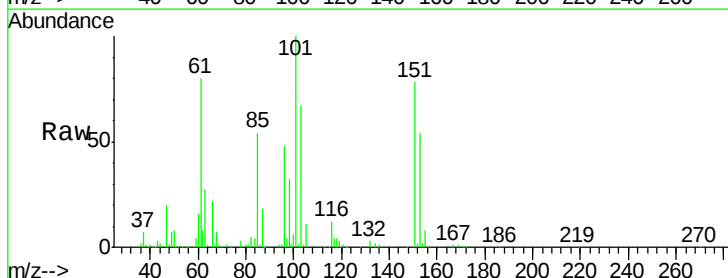
Tgt Ion: 101 Resp: 112514

Ion Ratio Lower Upper

101 100

85 54.4 42.0 63.0

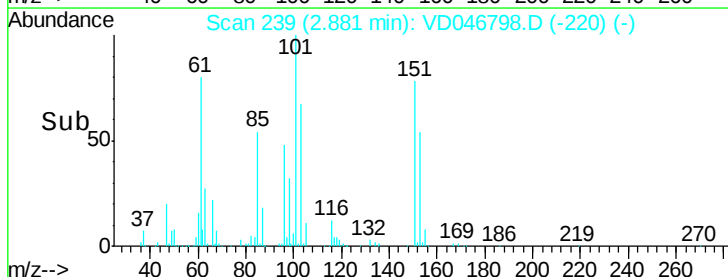
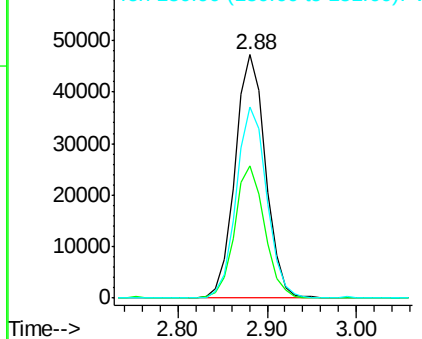
151 78.3 65.2 97.8

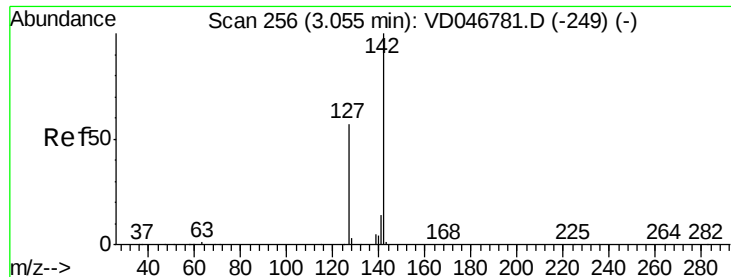


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





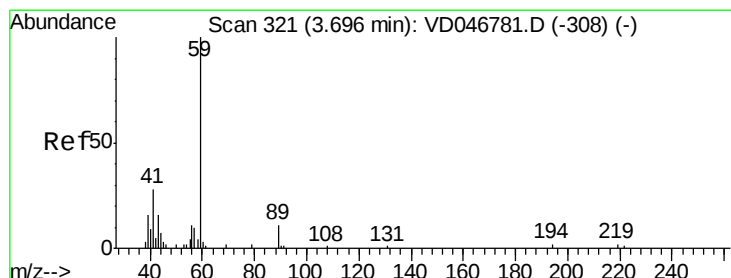
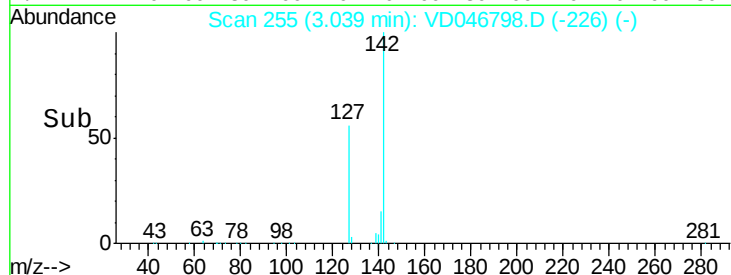
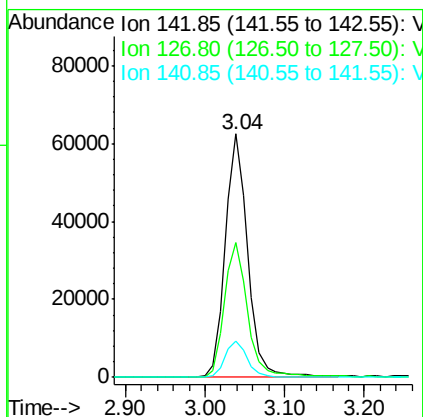
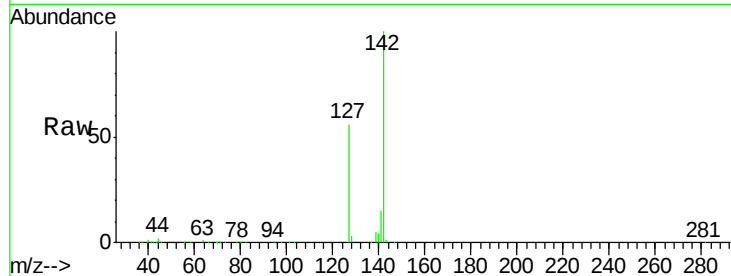
#11
Methvl Iodide
Concen: 45.80 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
142	100	125080		
127	55.6		41.2	61.8
141	14.8		11.6	17.4

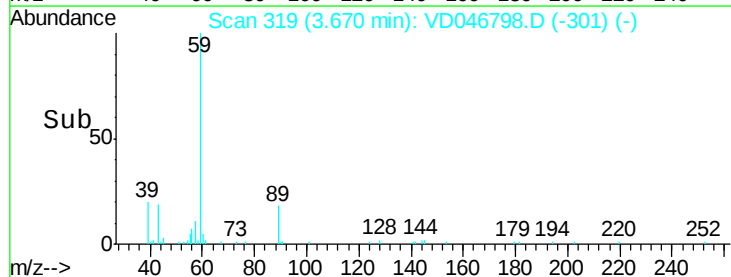
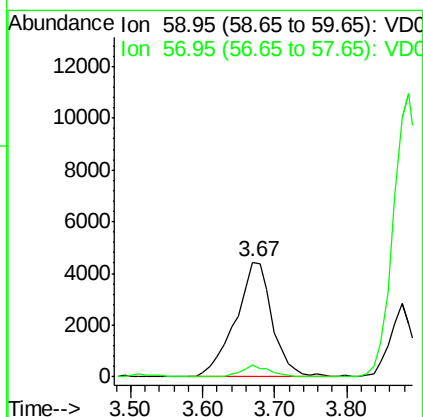
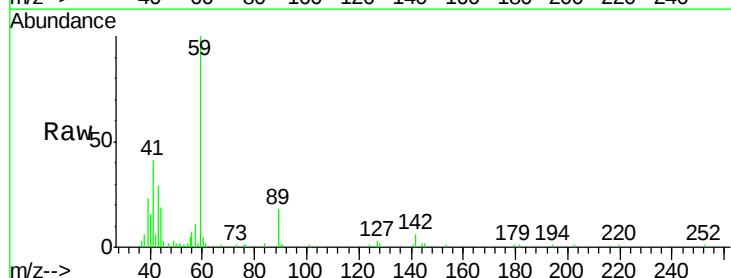
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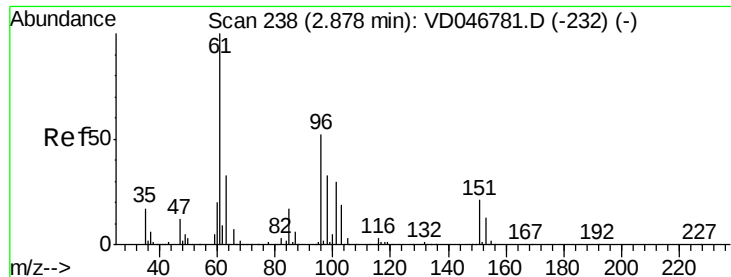
MMDadoda
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#12
Tert butyl alcohol
Concen: 201.83 ug/l
RT: 3.67 min Scan# 319
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	15765		
57	10.9		7.8	11.6





#13

1,1-Dichloroethene

Concen: 48.08 ug/l

RT: 2.87 min Scan# 238

Delta R.T. -0.01 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

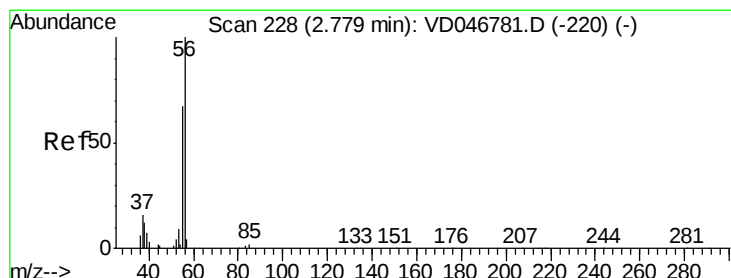
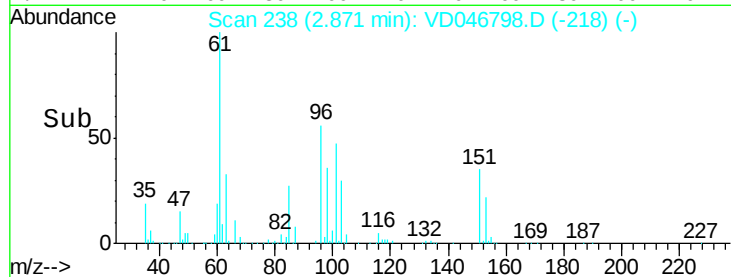
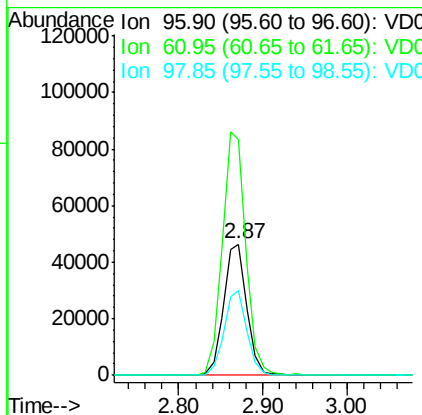
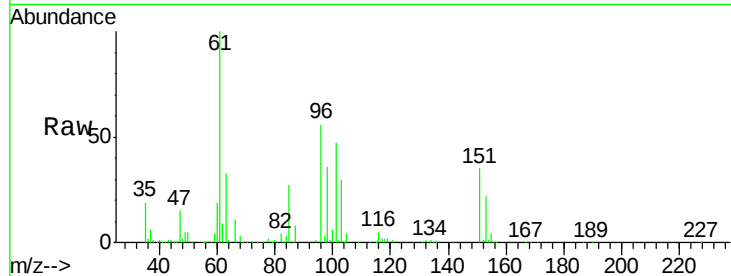
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	88196
Ion	Ratio	Lower	Upper
96	100		
61	179.6	152.2	228.4
98	64.7	51.2	76.8

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#14

Acrolein

Concen: 267.90 ug/l

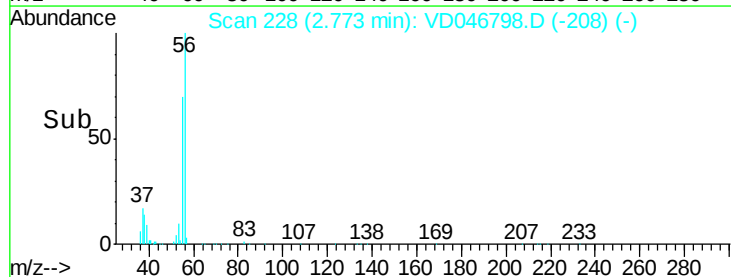
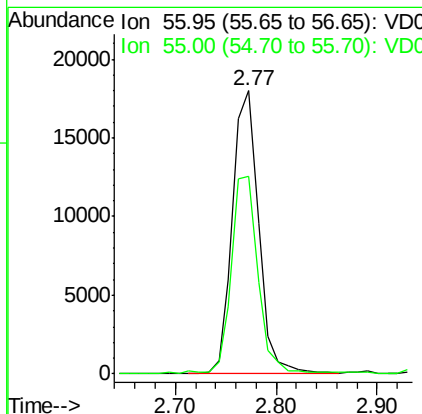
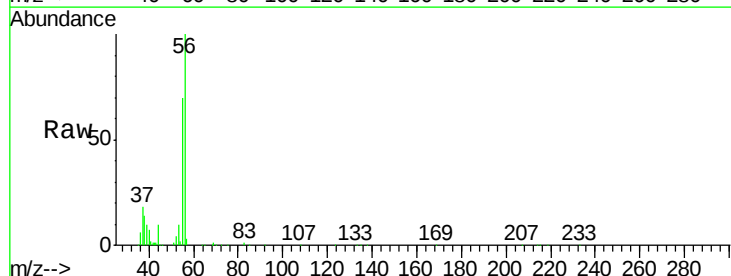
RT: 2.77 min Scan# 228

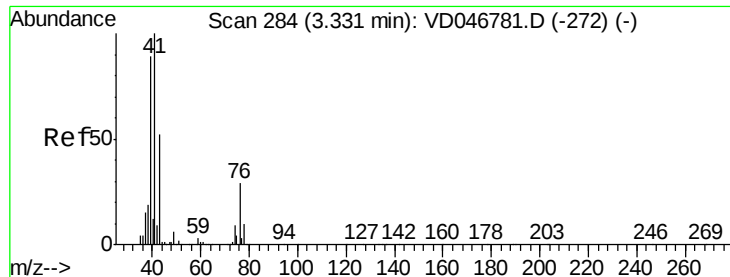
Delta R.T. -0.01 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion:	56	Resp:	32578
Ion	Ratio	Lower	Upper
56	100		
55	69.8	62.6	93.8





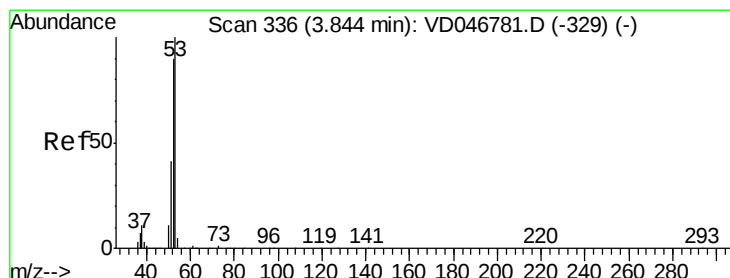
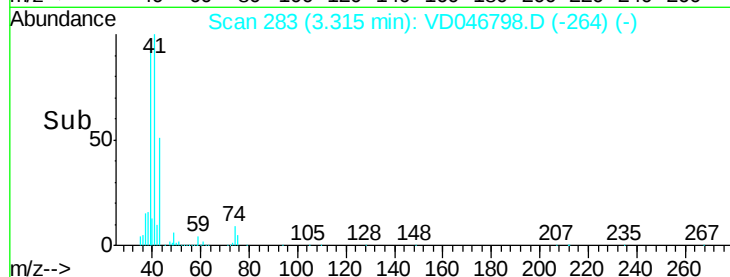
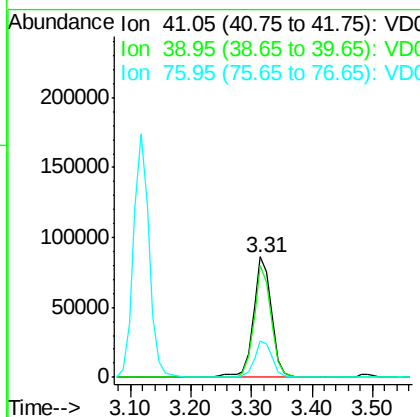
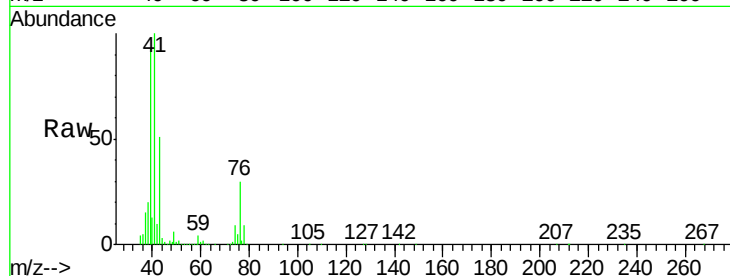
#15
Allvl chloride
Concen: 47.84 ug/l
RT: 3.31 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	178156		
39	92.9	58.8	88.2#	
76	30.4	22.7	34.1	

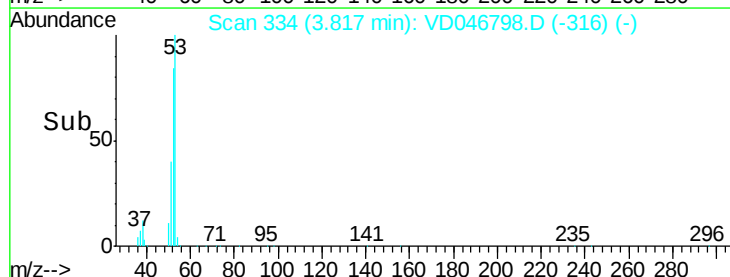
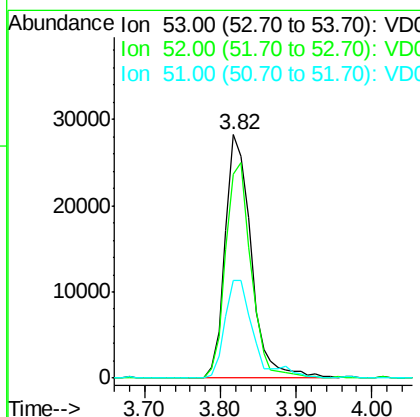
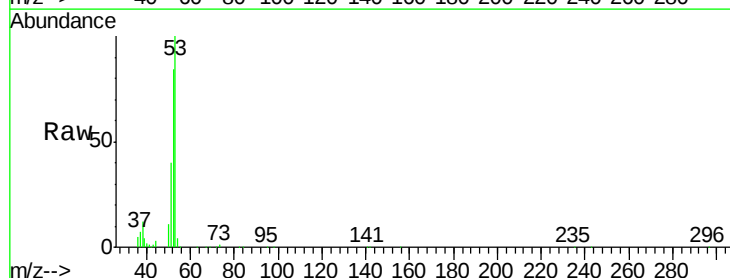
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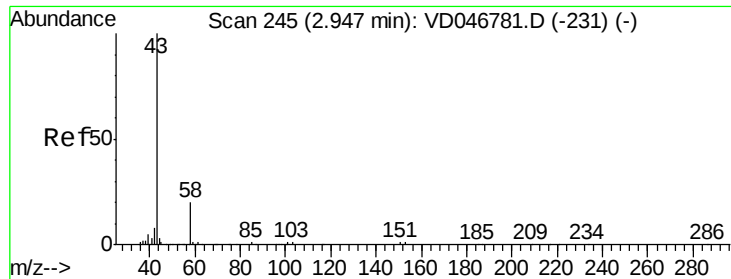
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#16
Acrylonitrile
Concen: 243.70 ug/l
RT: 3.82 min Scan# 334
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	67734		
52	83.8	66.8	100.2	
51	39.9	31.2	46.8	





#17

Acetone

Concen: 262.39 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 105533

Ion Ratio Lower Upper

43 100

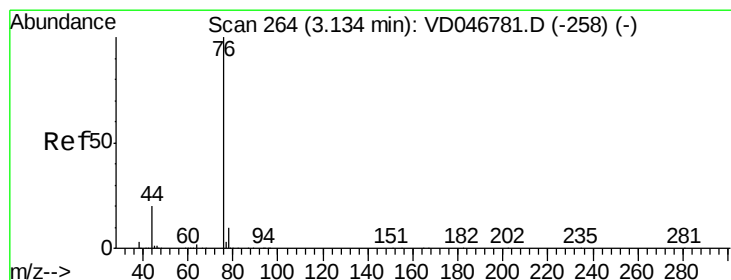
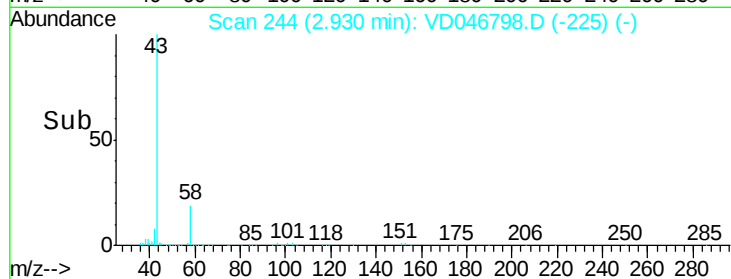
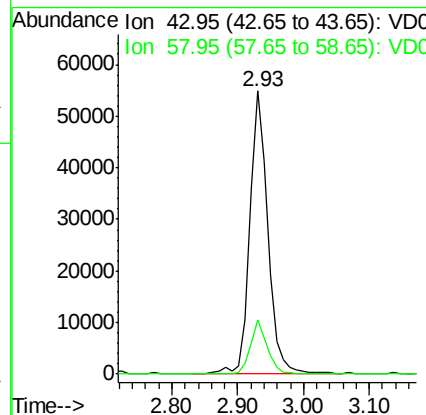
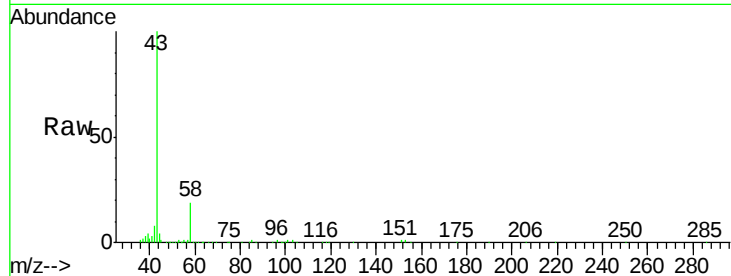
58 19.3 16.6 24.8

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#18

Carbon Disulfide

Concen: 45.17 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046798.D

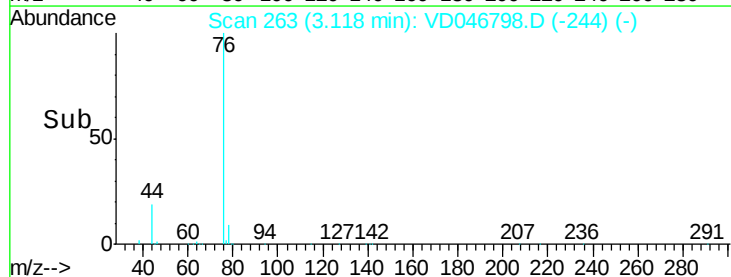
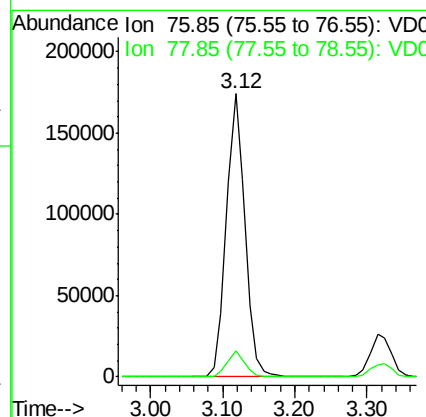
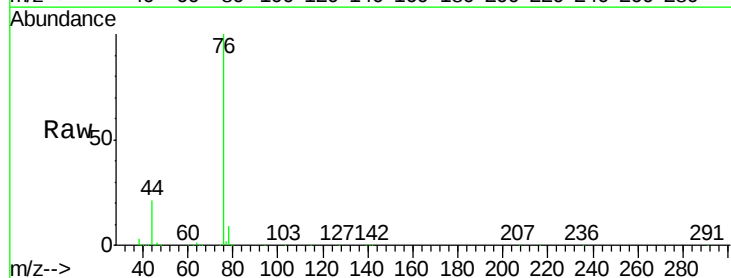
Acq: 21 Sep 2015 10:36

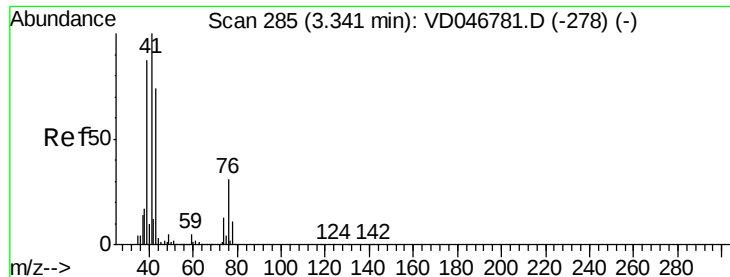
Tgt Ion: 76 Resp: 310361

Ion Ratio Lower Upper

76 100

78 9.0 8.0 12.0





#19

Methyl Acetate

Concen: 46.33 ug/l

RT: 3.32 min Scan# 284

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 107947

Ion Ratio Lower Upper

43 100

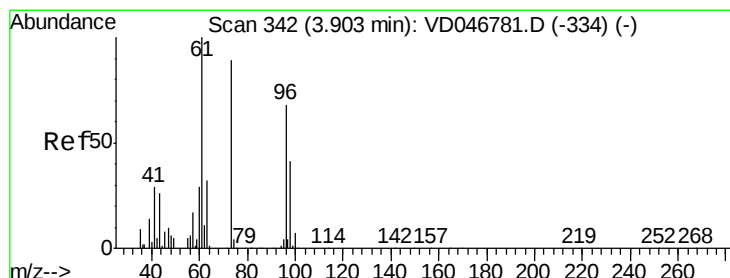
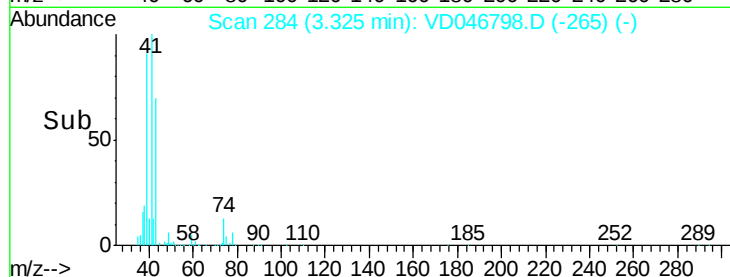
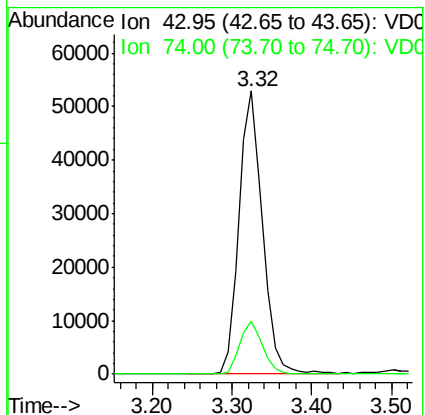
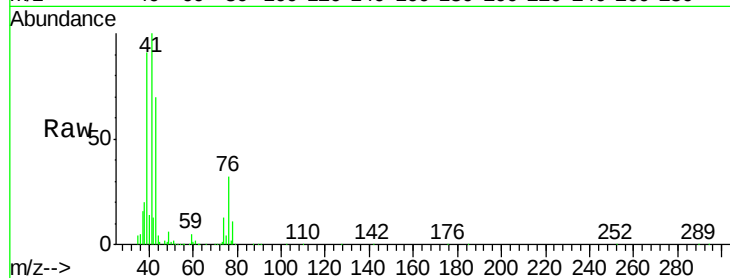
74 18.8 13.7 20.5

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#20

Methyl tert-butyl Ether

Concen: 54.32 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.02 min

Lab File: VD046798.D

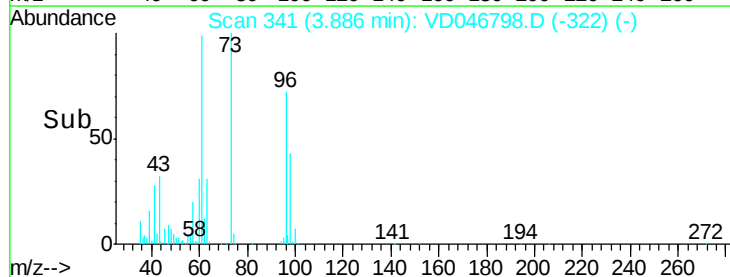
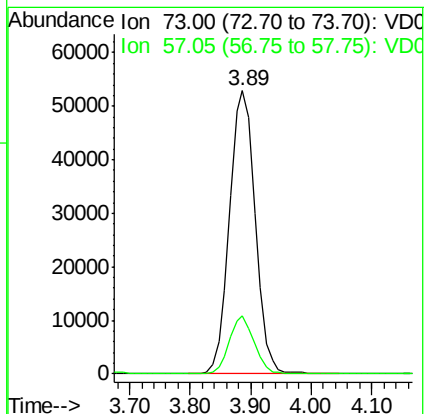
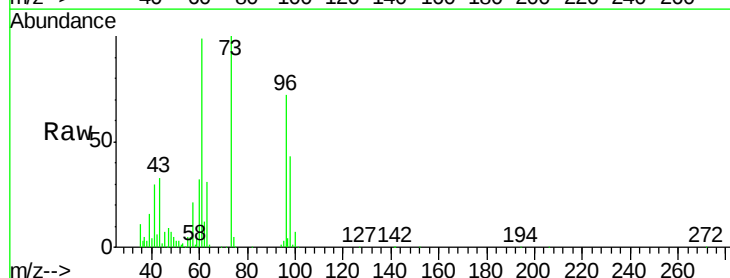
Acq: 21 Sep 2015 10:36

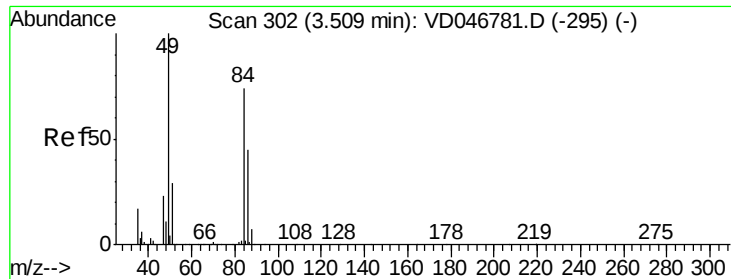
Tgt Ion: 73 Resp: 156089

Ion Ratio Lower Upper

73 100

57 20.7 18.1 27.1





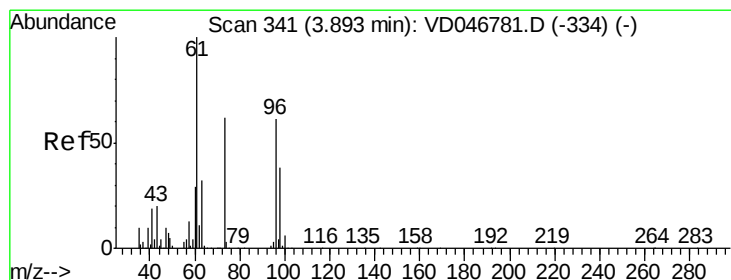
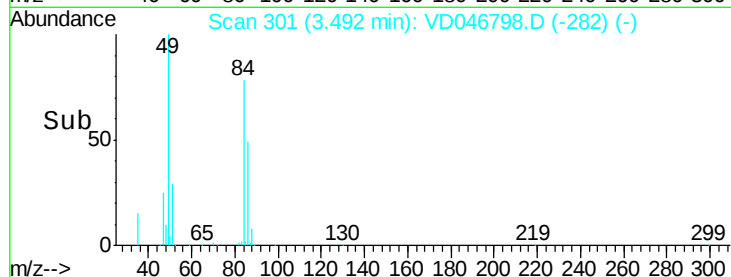
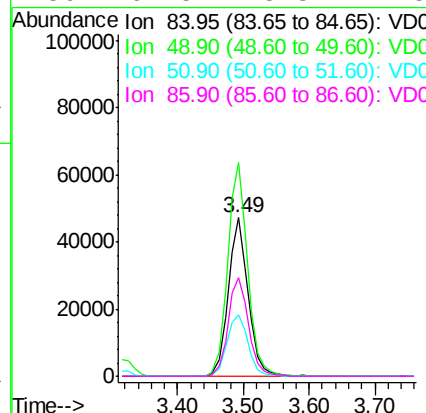
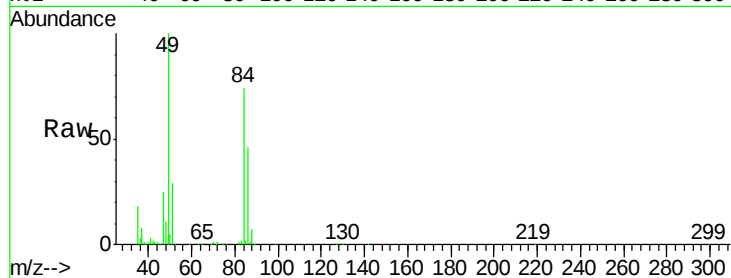
#21
Methvlene Chloride
Concen: 45.39 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	84	Resp:	99136
Ion	Ratio	Lower	Upper
84	100		
49	134.9	122.1	183.1
51	39.0	33.6	50.4
86	62.5	48.3	72.5

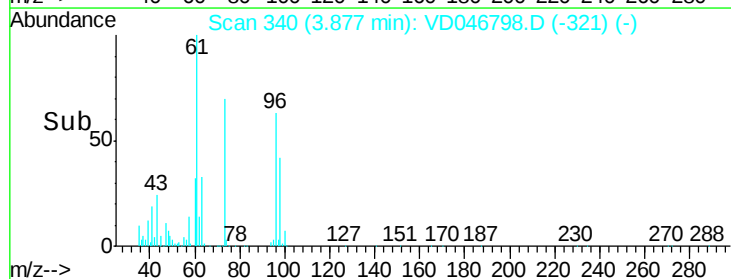
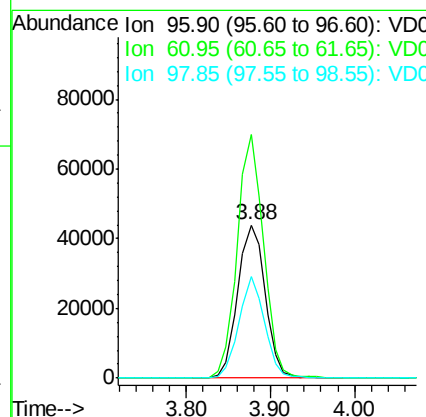
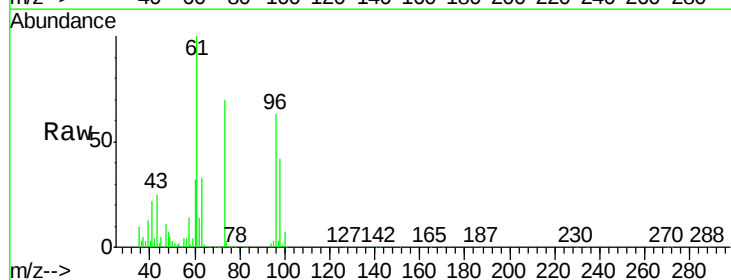
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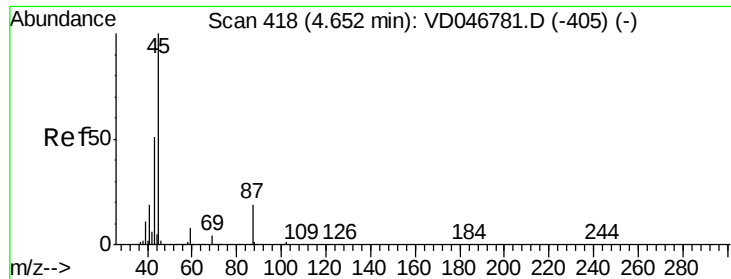
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#22
trans-1,2-Dichloroethene
Concen: 48.60 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion:	96	Resp:	100520
Ion	Ratio	Lower	Upper
96	100		
61	158.8	125.8	188.6
98	66.3	54.5	81.7





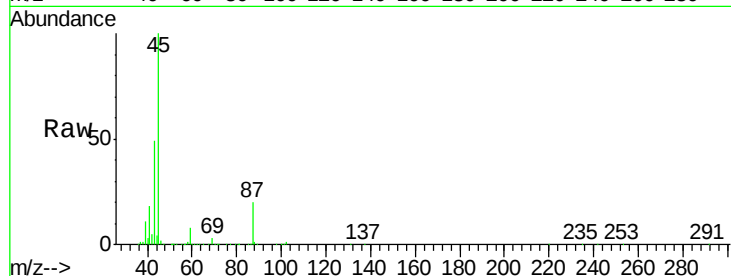
#23
Diisopropyl ether
Concen: 52.31 ug/l
RT: 4.64 min Scan# 417
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

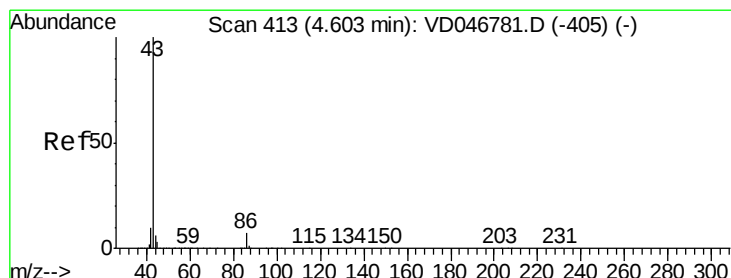
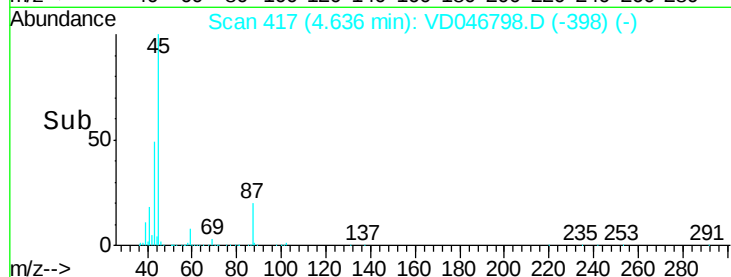
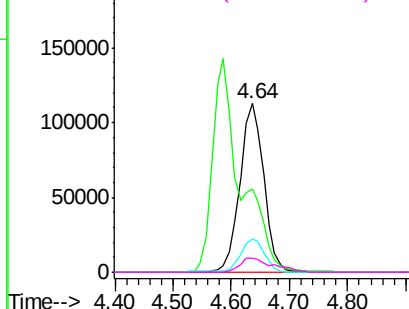
Tot Ion	Ratio	Lower	Upper
45	100		
43	49.2	35.9	53.9
87	19.8	13.0	19.6
59	8.2	7.0	10.6

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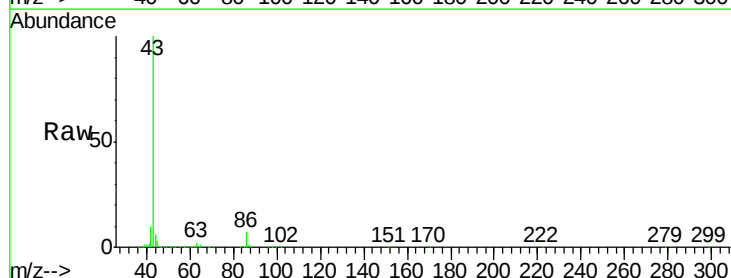


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

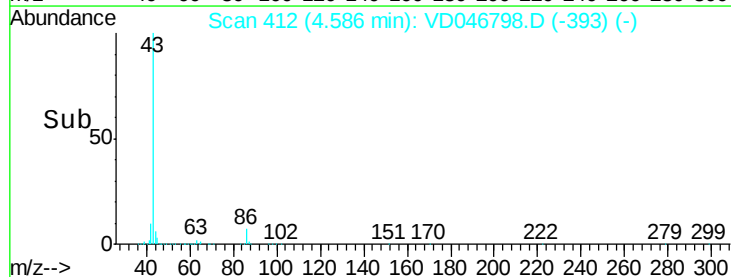
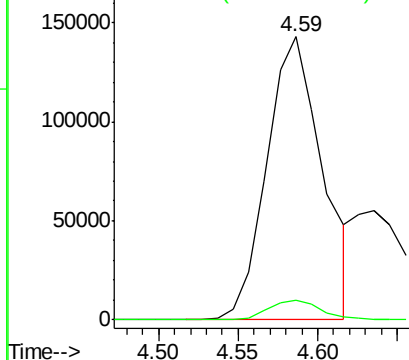


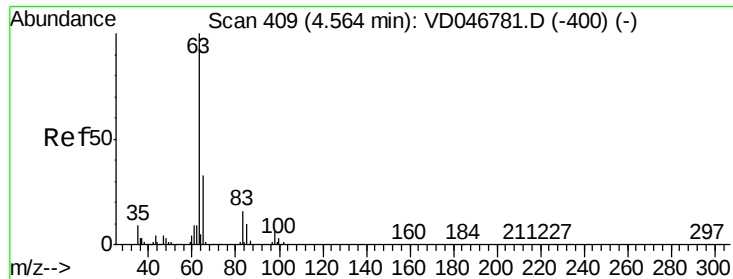
#24
Vinyl Acetate
Concen: 240.23 ug/l m
RT: 4.59 min Scan# 412
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.9	4.9	7.3



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





#25

1,1-Dichloroethane

Concen: 47.04 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

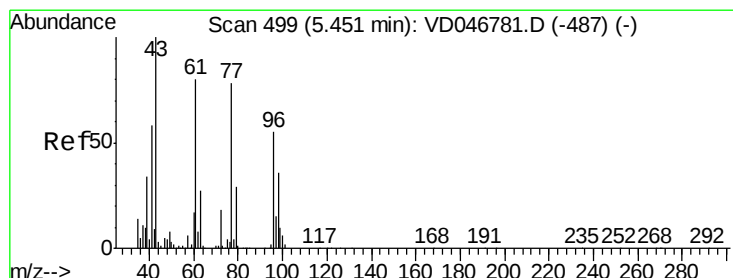
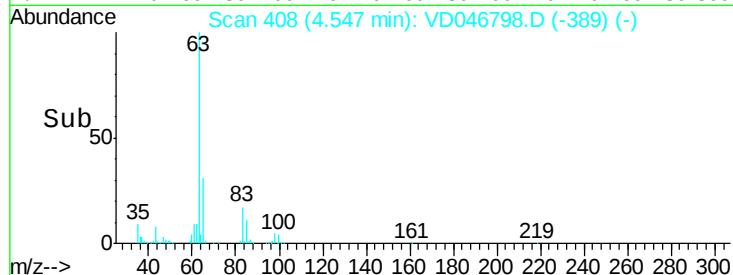
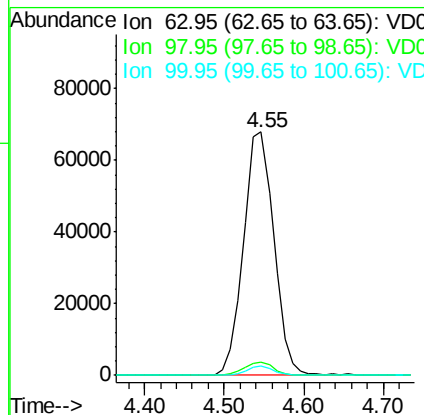
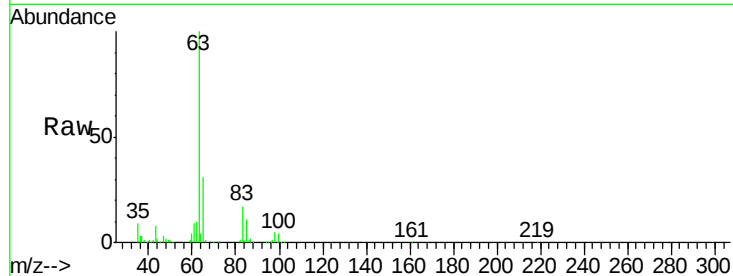
ClientSampleId :

VSTDCCC050

Tot Ion:	63	Resp:	179144
Ion Ratio	Lower	Upper	
63	100		
98	5.4	2.5	7.5
100	3.6	1.5	4.5

Manual Integrations
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#26

2-Butanone

Concen: 256.44 ug/l

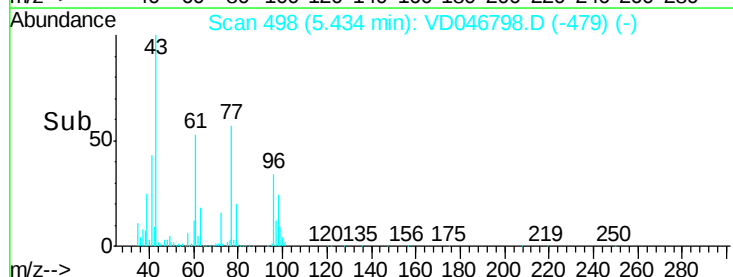
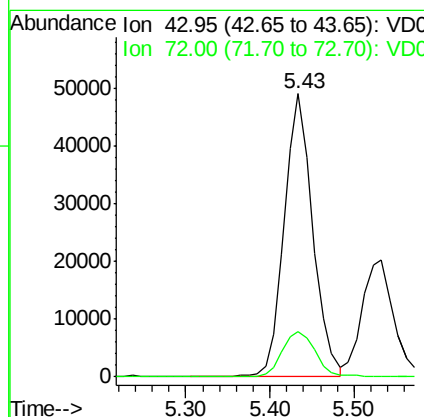
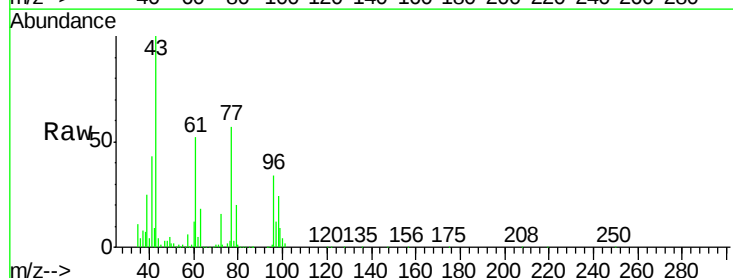
RT: 5.43 min Scan# 498

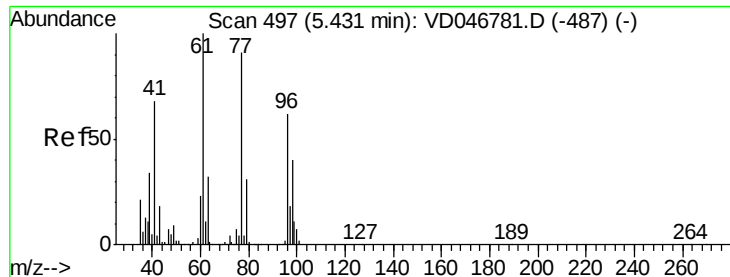
Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion:	43	Resp:	115919
Ion Ratio	Lower	Upper	
43	100		
72	15.8	13.4	20.0





#27

2,2-Dichloropropane

Concen: 50.13 ug/l

RT: 5.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 77 Resp: 196145

Ion Ratio Lower Upper

77 100

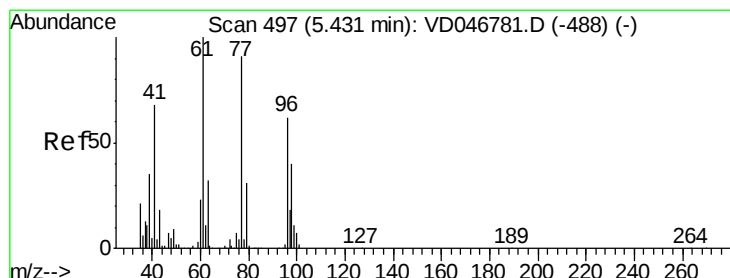
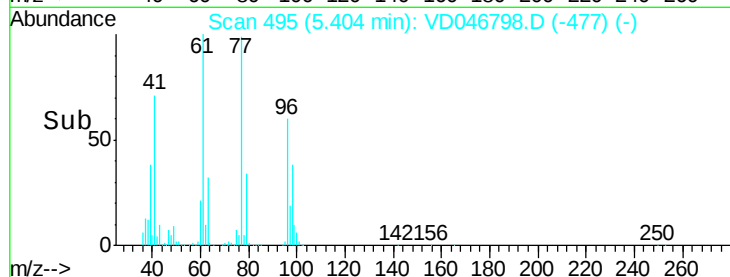
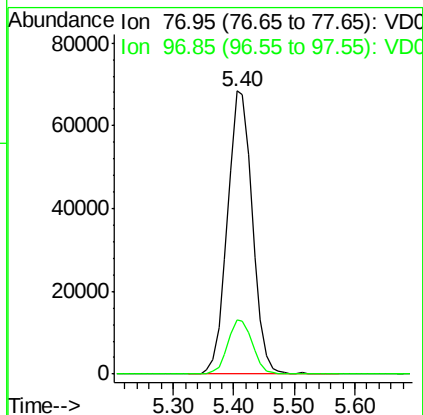
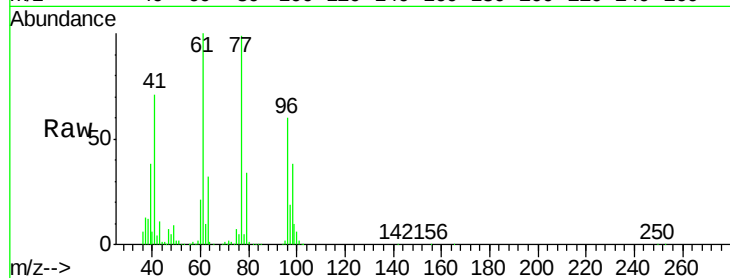
97 19.1 10.4 31.1

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#28

cis-1,2-Dichloroethene

Concen: 50.13 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

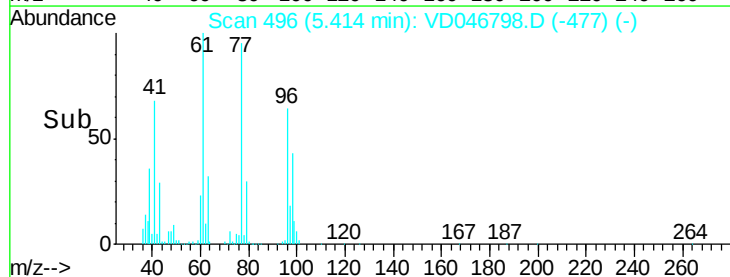
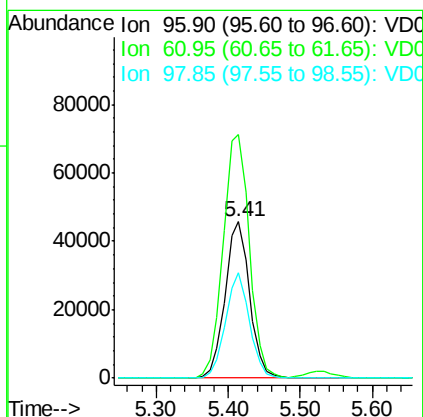
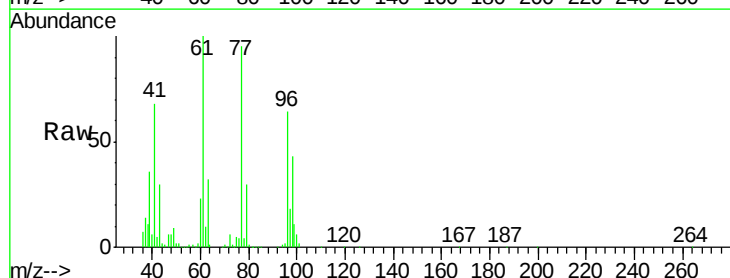
Tgt Ion: 96 Resp: 107952

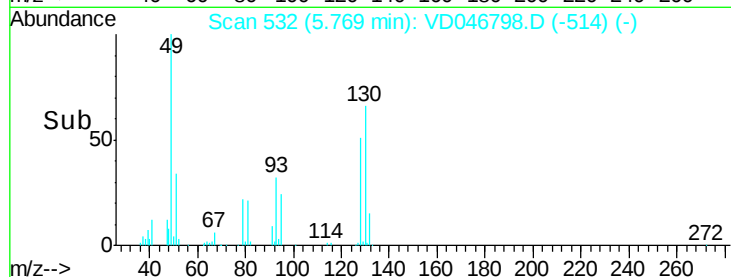
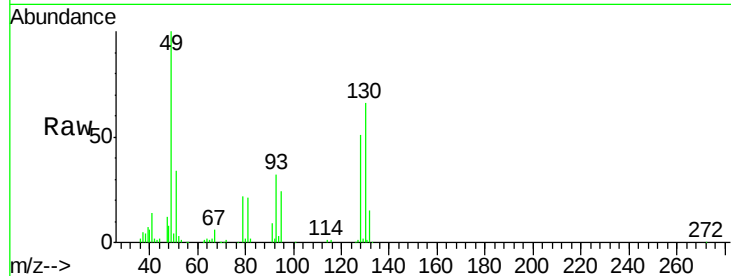
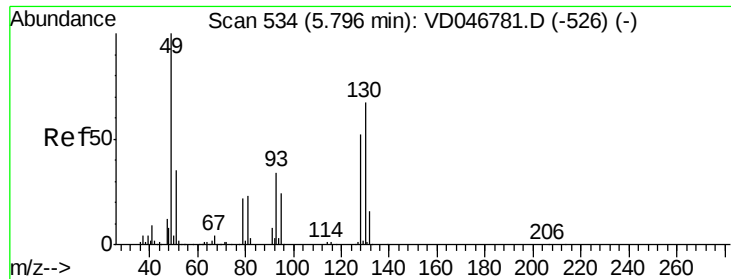
Ion Ratio Lower Upper

96 100

61 156.1 0.0 348.0

98 67.5 0.0 128.8





#29

Bromochloromethane

Concen: 44.52 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046798.D

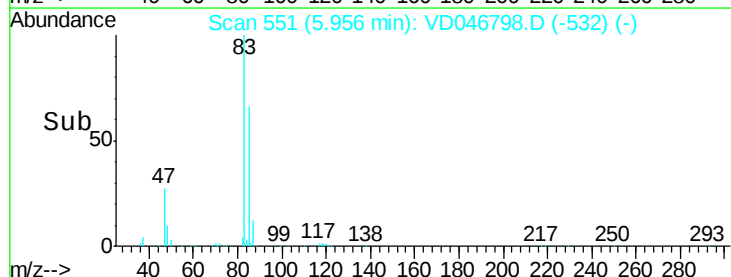
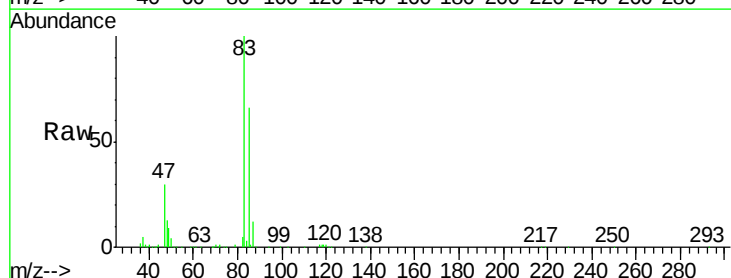
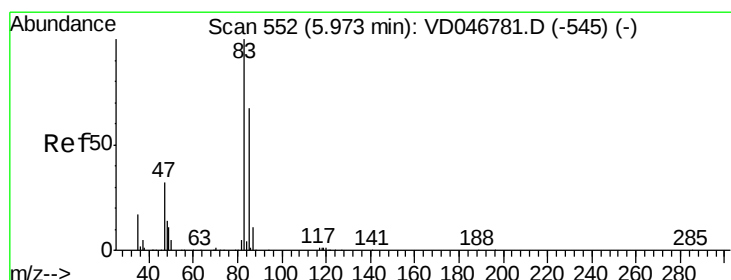
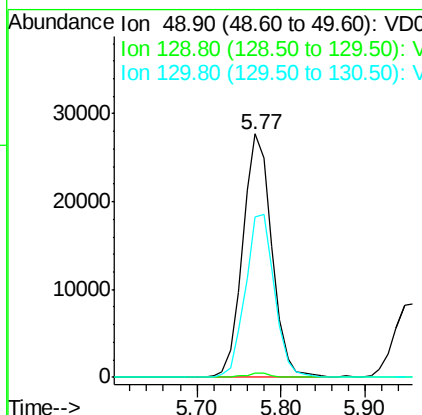
Acq: 21 Sep 2015 10:36

Tot Ion:	49	Resp:	66801
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	2.8
130	66.0	50.2	75.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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#30

Chloroform

Concen: 49.32 ug/l

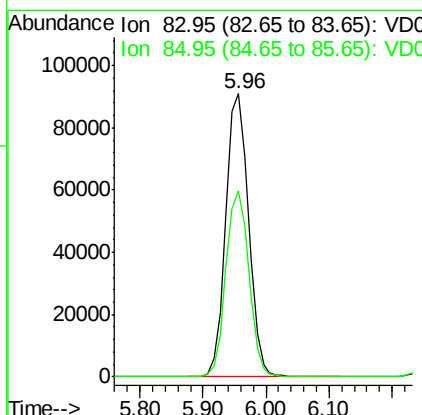
RT: 5.96 min Scan# 551

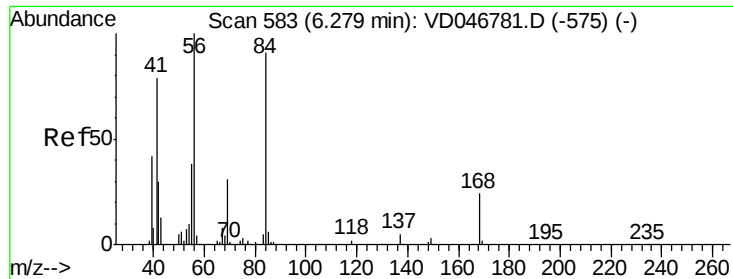
Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion:	83	Resp:	227840
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.5	78.7





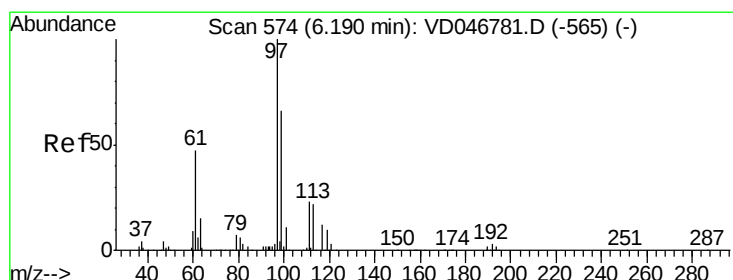
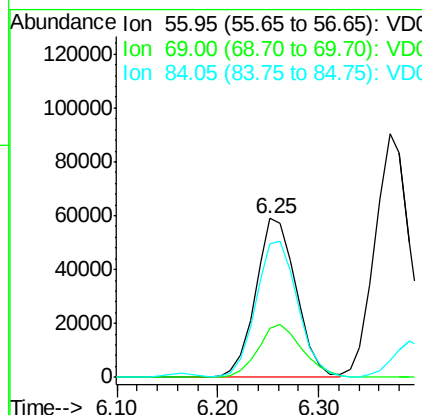
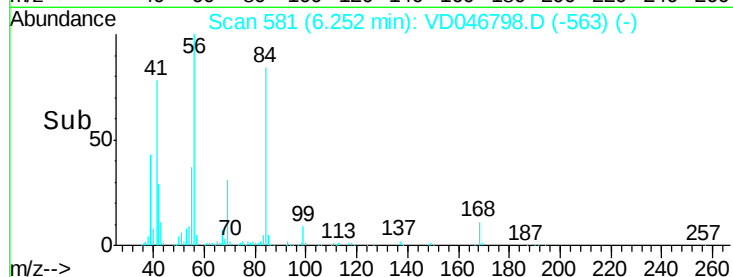
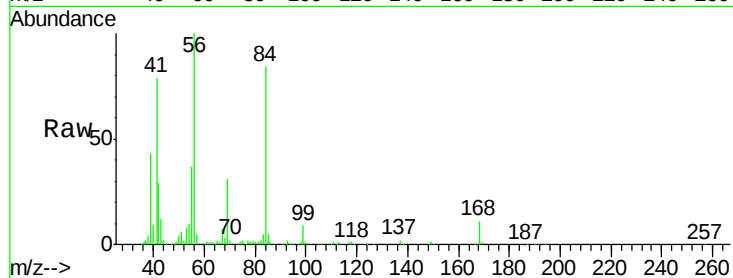
#31
Cyclohexane
Concen: 46.23 ug/l
RT: 6.25 min Scan# 581
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.4	35.0
84	83.7	63.8	95.8

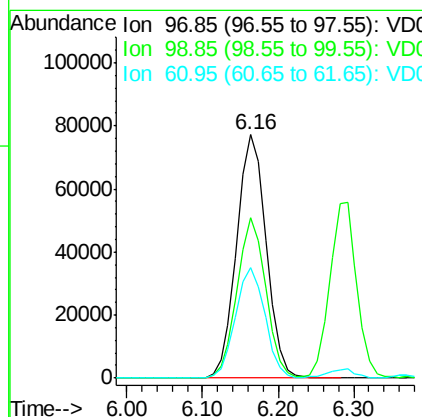
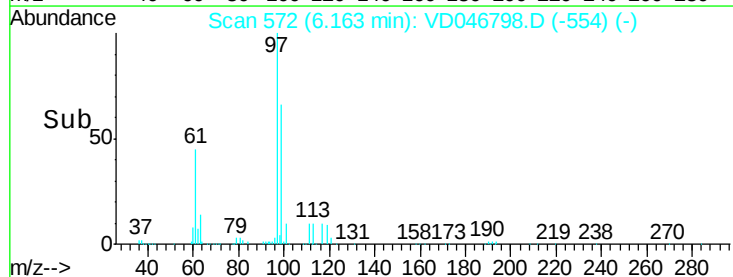
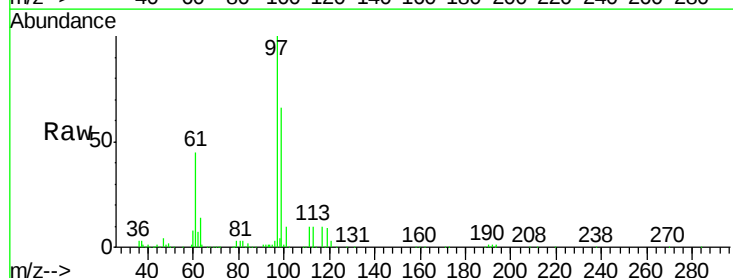
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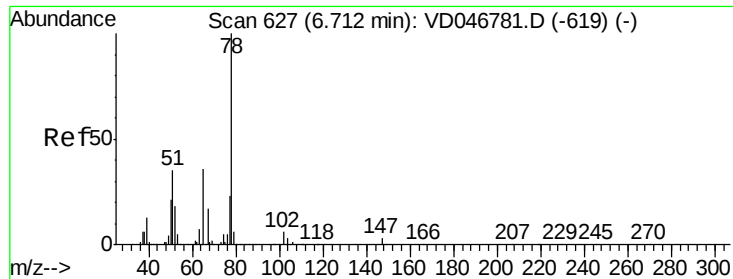
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#32
1,1,1-Trichloroethane
Concen: 50.77 ug/l
RT: 6.16 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.2	75.4
61	45.3	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 50.77 ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 111981

Ion Ratio Lower Upper

65 100

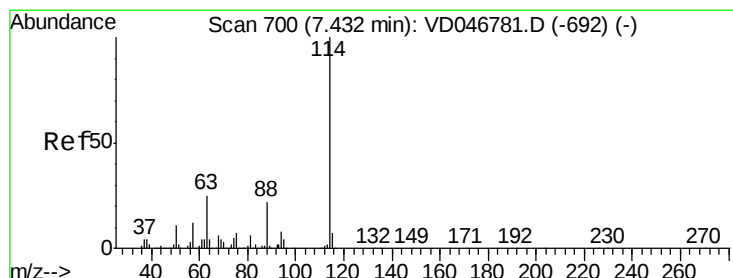
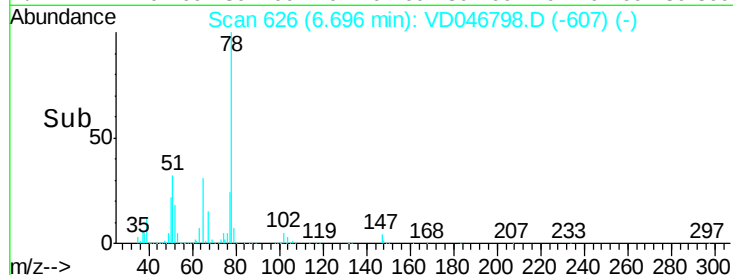
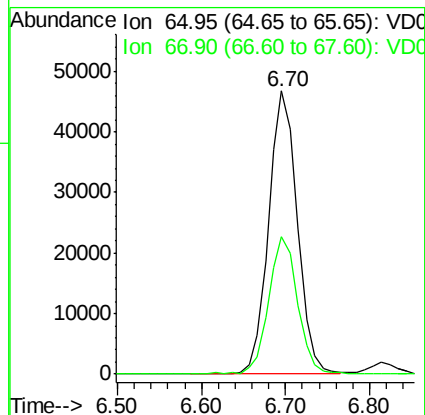
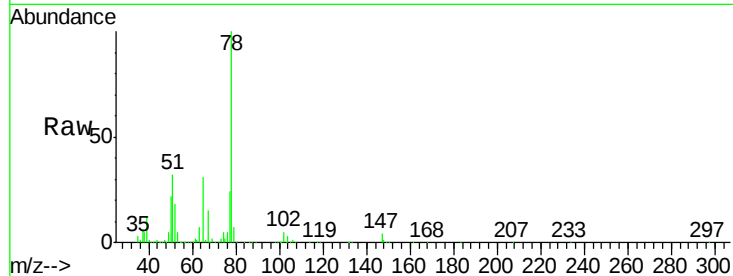
67 48.6 0.0 105.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

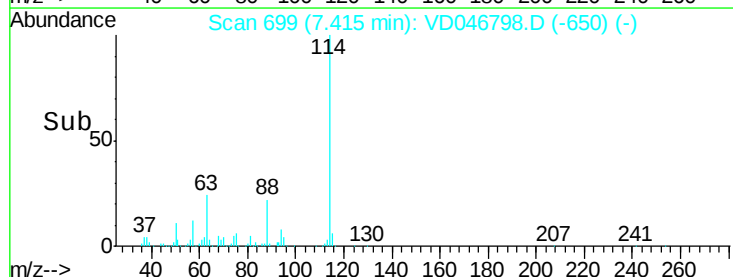
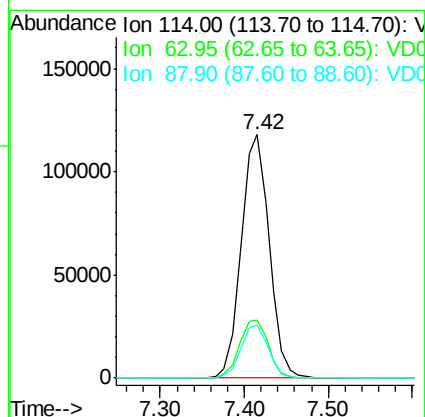
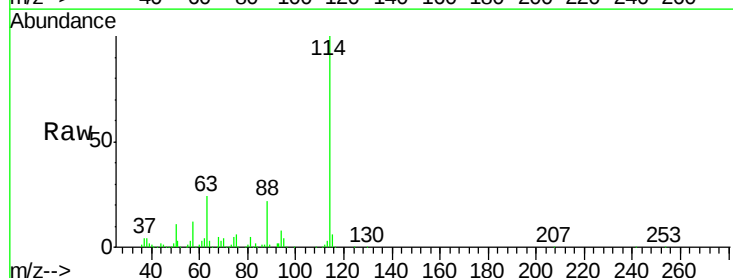
Tgt Ion: 114 Resp: 273432

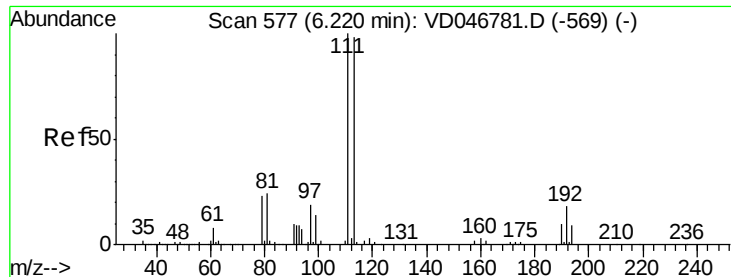
Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.8

88 21.6 0.0 43.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.19 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

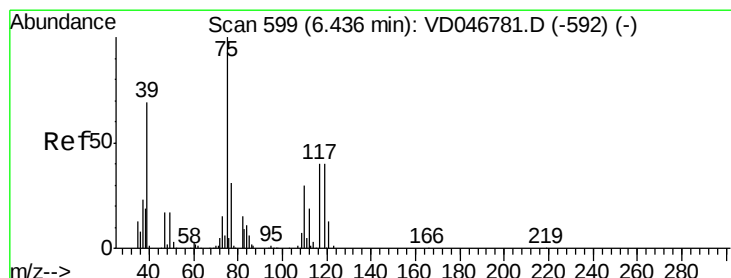
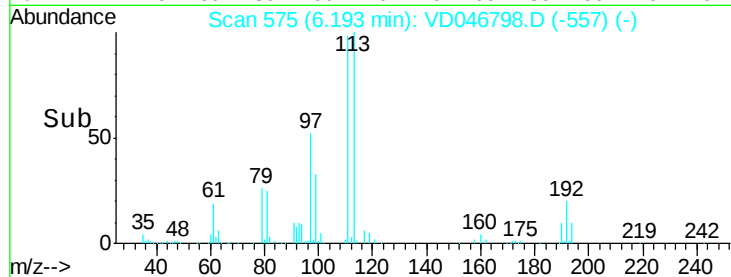
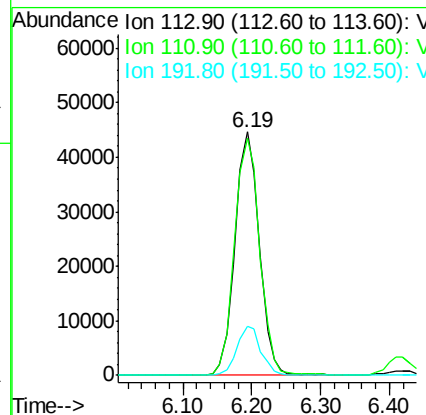
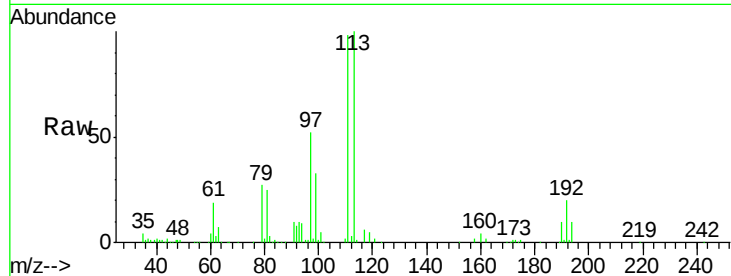
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	109469
Ion Ratio	Lower	Upper	
113	100		
111	97.6	79.4	119.0
192	19.9	14.6	22.0

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#36

1,1-Dichloropropene

Concen: 51.65 ug/l

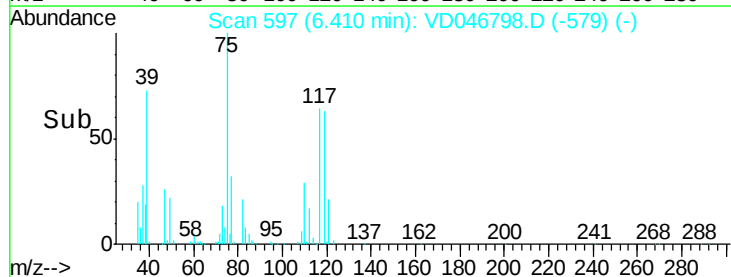
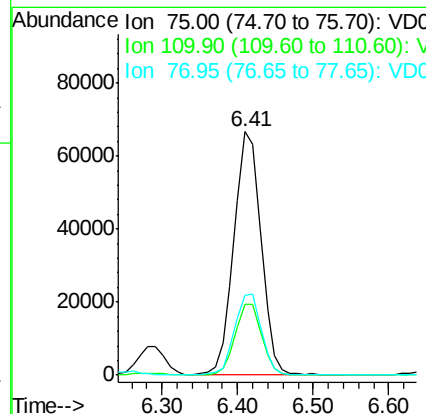
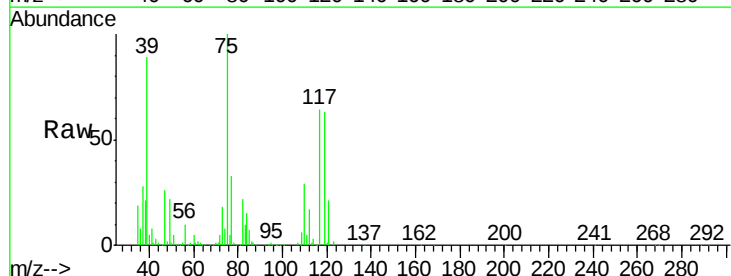
RT: 6.41 min Scan# 597

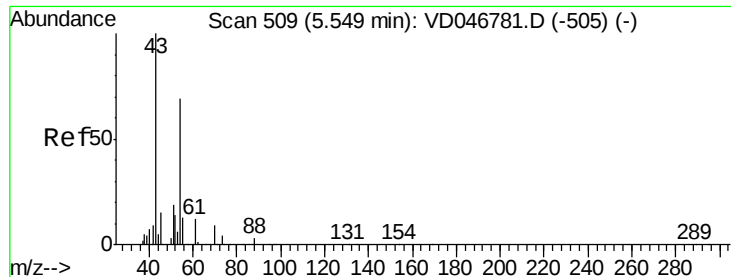
Delta R.T. -0.03 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion:	75	Resp:	165055
Ion Ratio	Lower	Upper	
75	100		
110	29.1	13.7	41.0
77	33.0	24.7	37.1





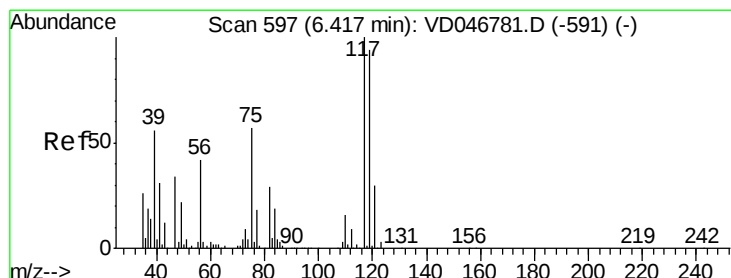
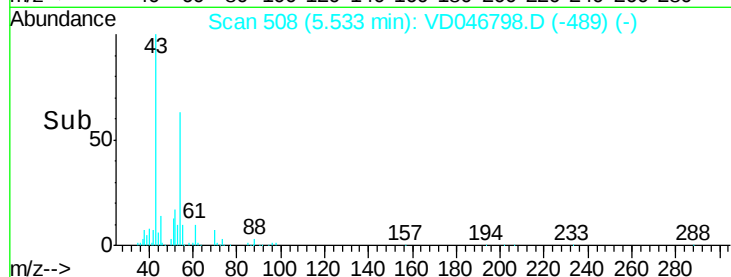
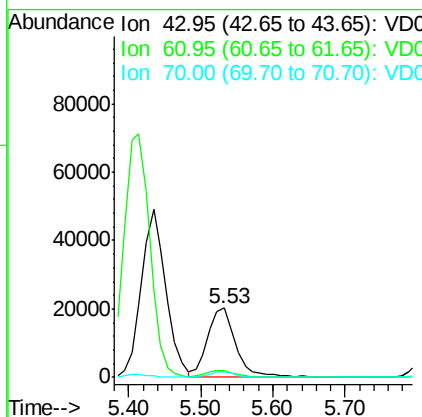
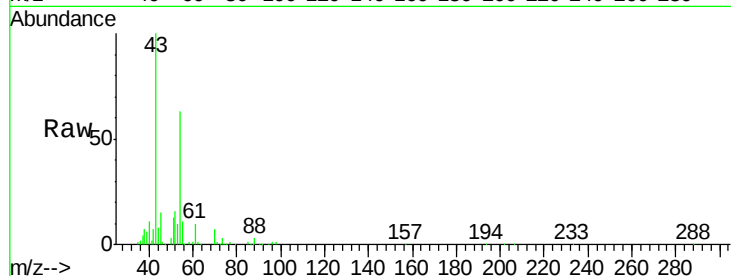
#37
Ethyl Acetate
Concen: 52.86 ug/l
RT: 5.53 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.0	9.4	14.2
70	7.4	6.0	9.0

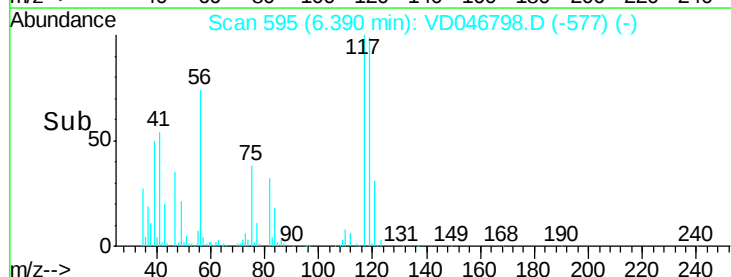
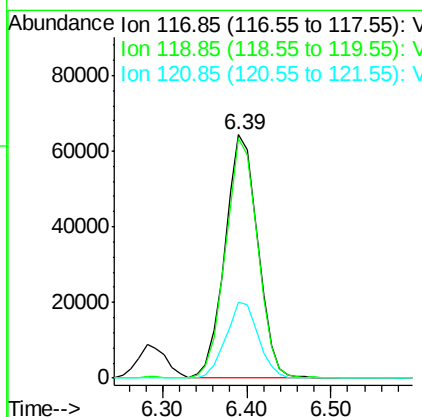
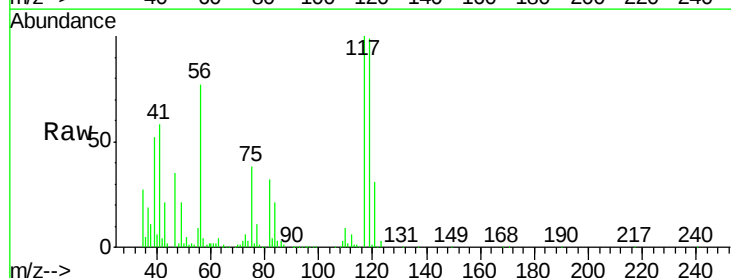
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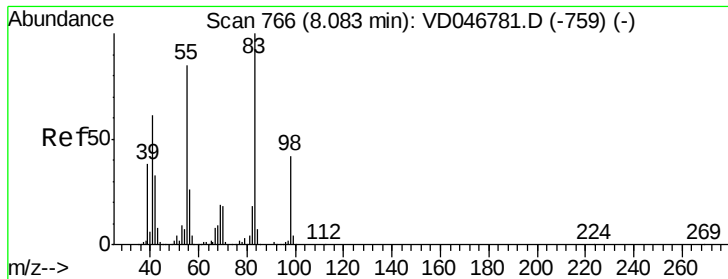
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#38
Carbon Tetrachloride
Concen: 52.31 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.2	114.4
121	31.1	24.5	36.7





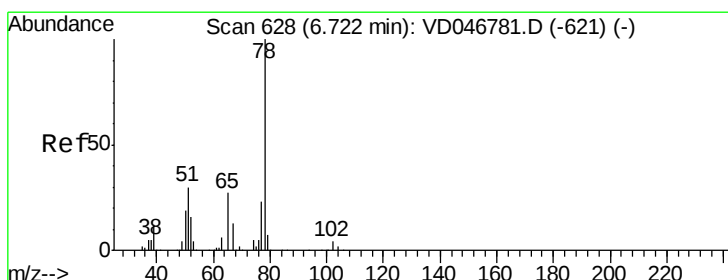
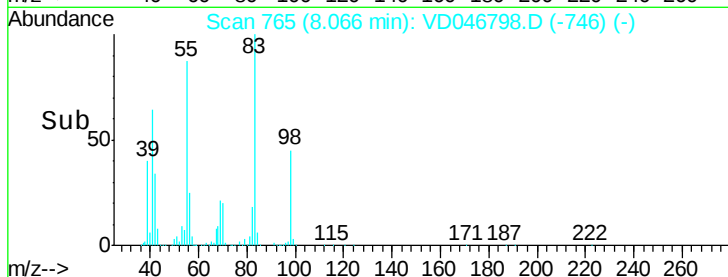
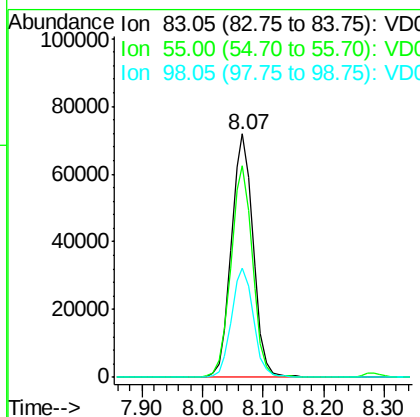
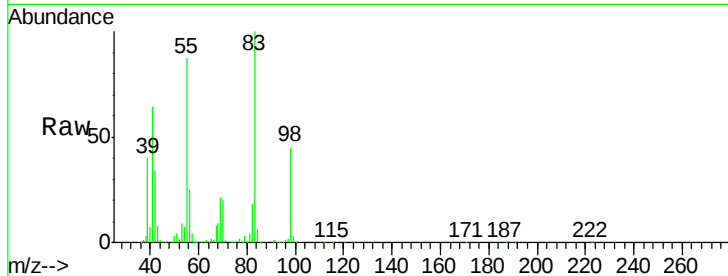
#39
Methvlcvclohexane
Concen: 55.63 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	180114		
55	87.1	71.1	106.7	
98	44.7	34.6	51.8	

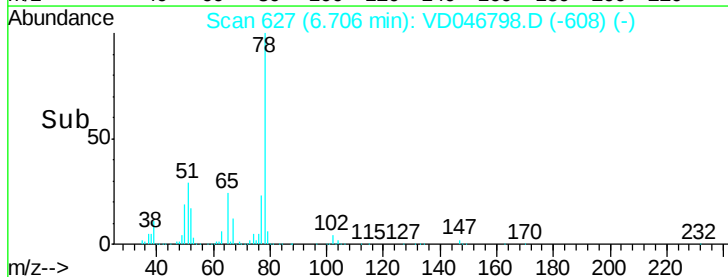
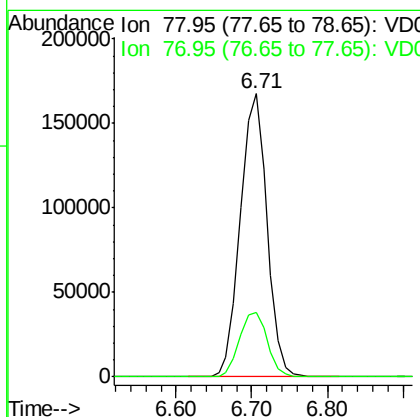
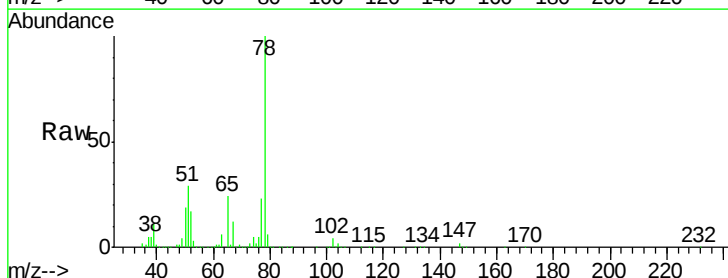
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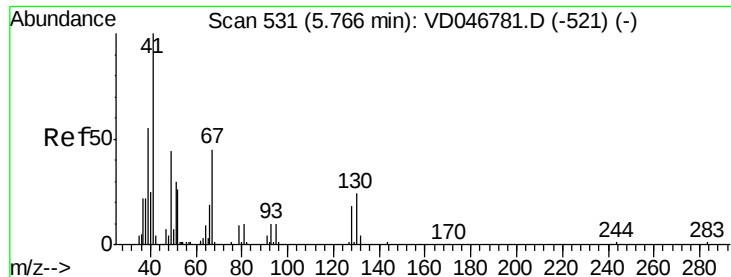
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#40
Benzene
Concen: 50.34 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	410642		
77	22.9	19.9	29.9	





#41

Methacrylonitrile

Concen: 53.26 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.03 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 30662

Ion Ratio Lower Upper

41 100

39 60.7 40.2 60.4#

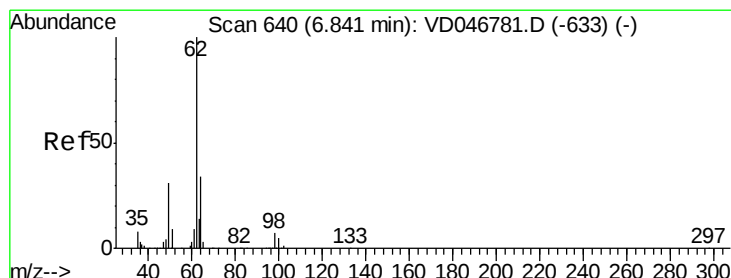
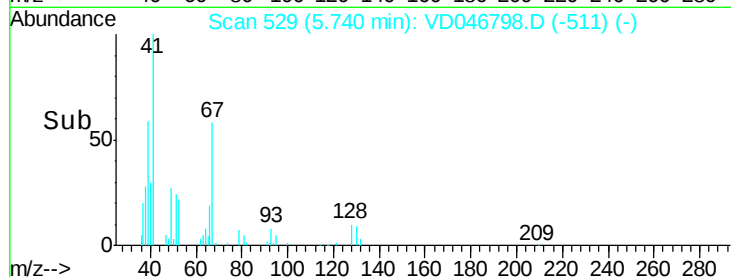
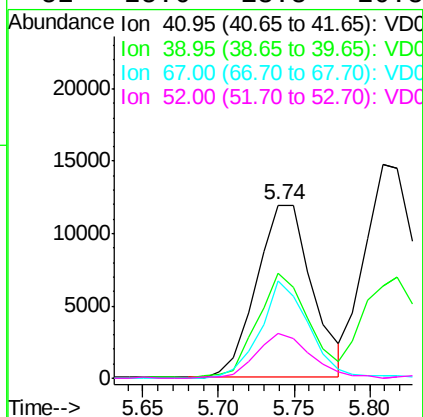
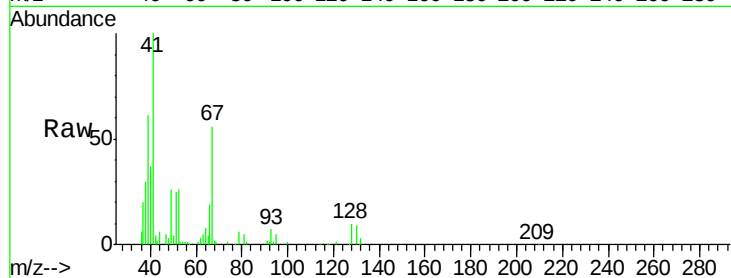
67 56.5 32.0 48.0#

52 25.6 13.8 20.8#

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#42

1,2-Dichloroethane

Concen: 53.91 ug/l

RT: 6.81 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD046798.D

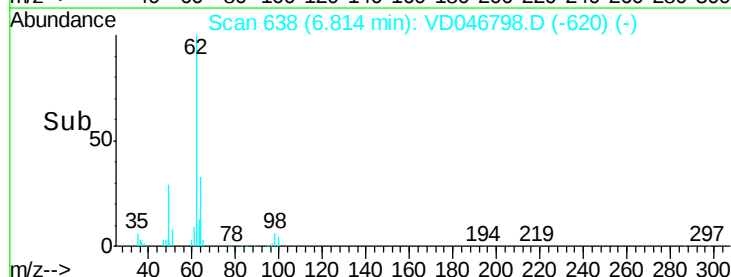
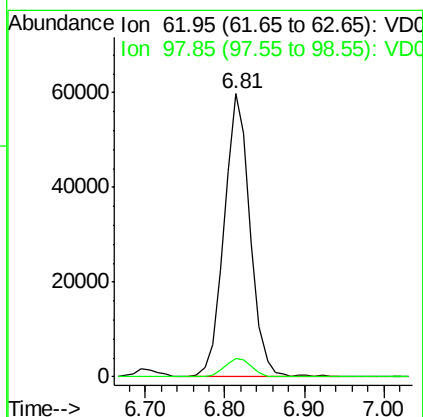
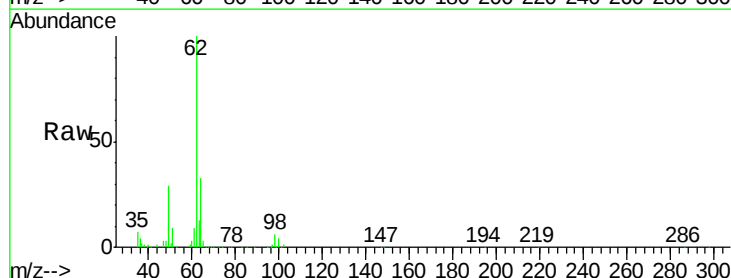
Acq: 21 Sep 2015 10:36

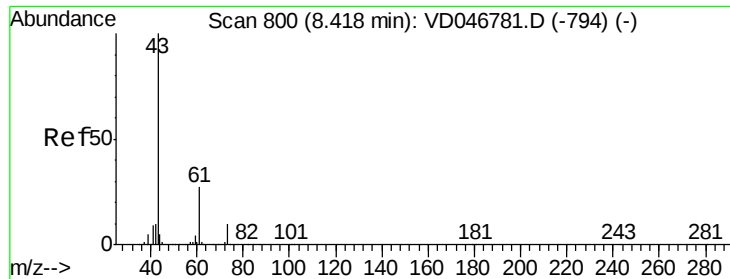
Tgt Ion: 62 Resp: 136602

Ion Ratio Lower Upper

62 100

98 6.4 0.0 16.2





#43

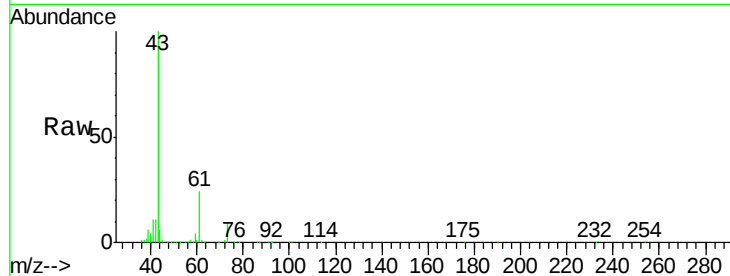
Isopropyl Acetate
 Concen: 56.55 ug/l
 RT: 8.39 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

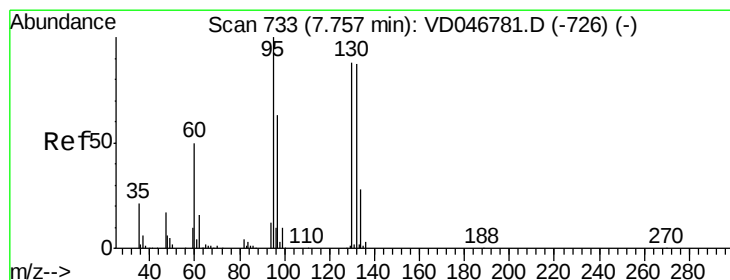
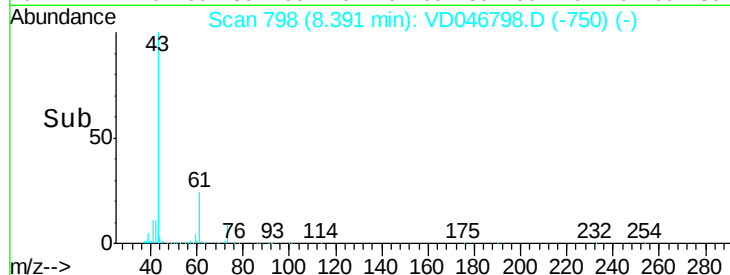
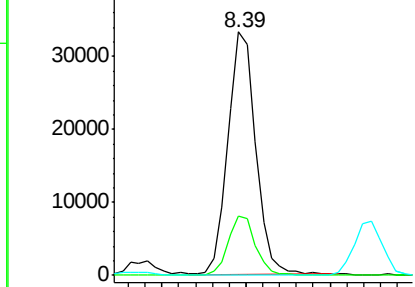
Tot Ion	Ratio	Lower	Upper
43	100		
61	24.3	19.5	29.3
87	0.2	0.2	0.2

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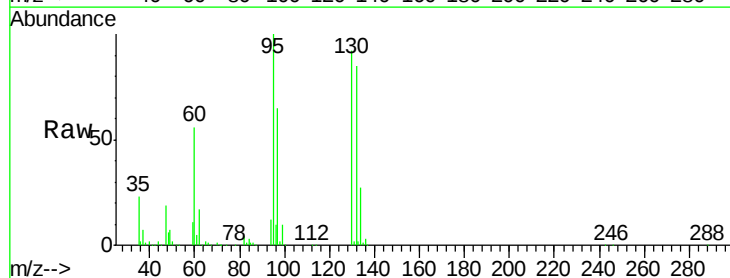
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



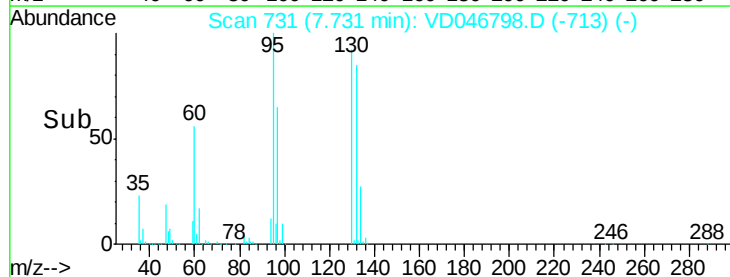
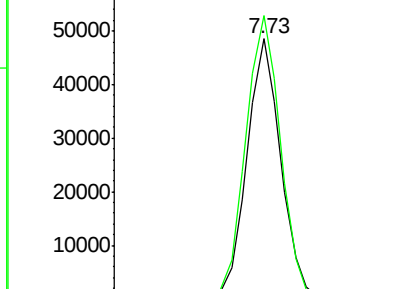
#44

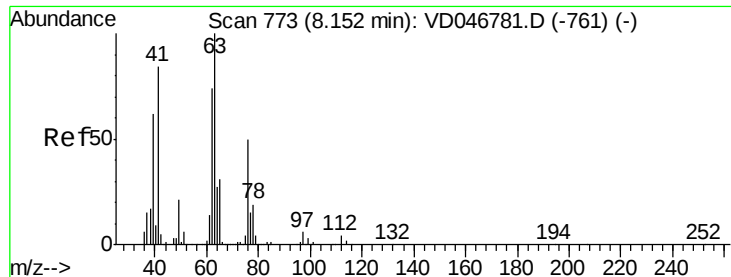
Trichloroethene
 Concen: 51.85 ug/l
 RT: 7.73 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.8	0.0	229.4



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





#45

1,2-Dichloropropane

Concen: 51.38 ug/l

RT: 8.12 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 103847

Ion Ratio Lower Upper

63 100

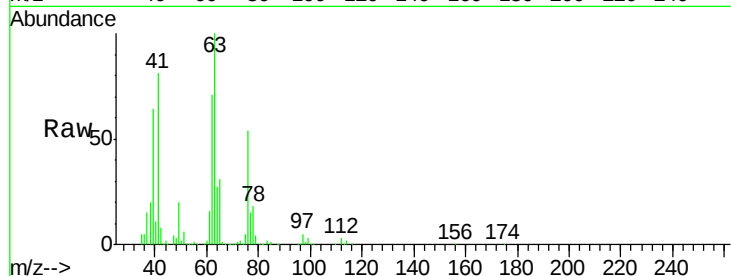
65 31.0 25.1 37.7

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.12

50000

40000

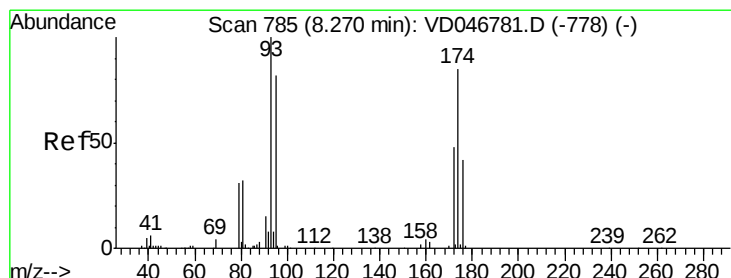
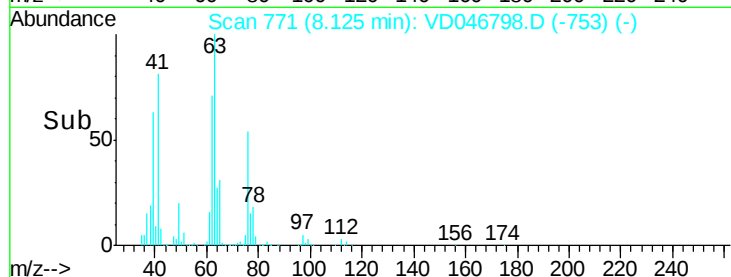
30000

20000

10000

0

Time--> 7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 52.06 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

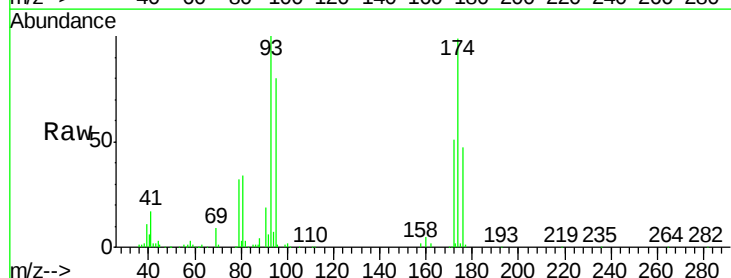
Tgt Ion: 93 Resp: 59746

Ion Ratio Lower Upper

93 100

95 80.0 70.2 105.2

174 98.6 79.0 118.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.25

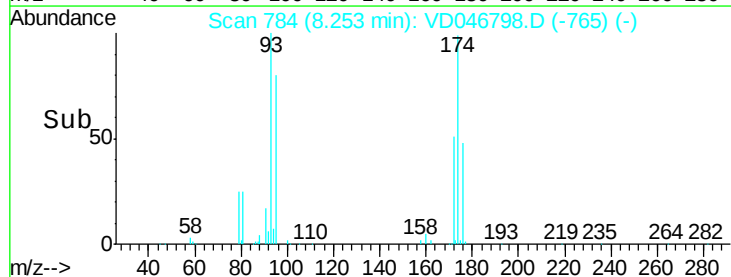
30000

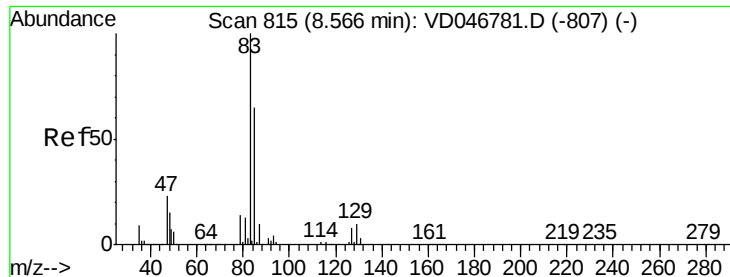
20000

10000

0

Time--> 8.20 8.30





#47

Bromodichloromethane

Concen: 54.50 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

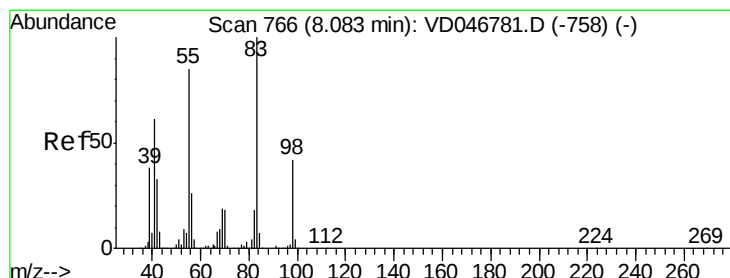
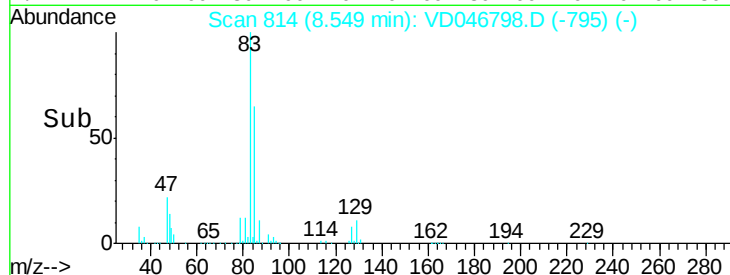
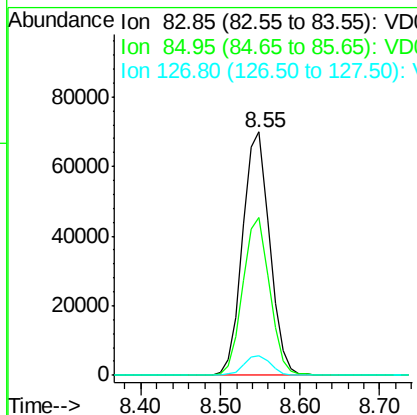
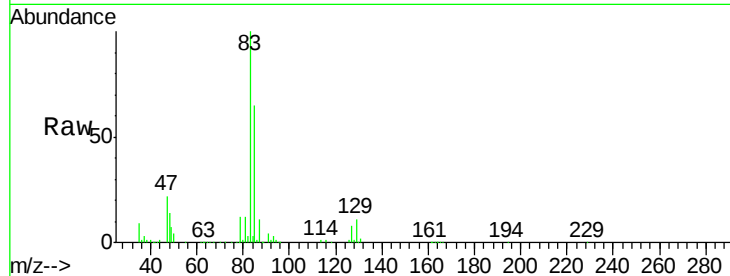
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164154
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	78.8
127	8.2	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.10 ug/l

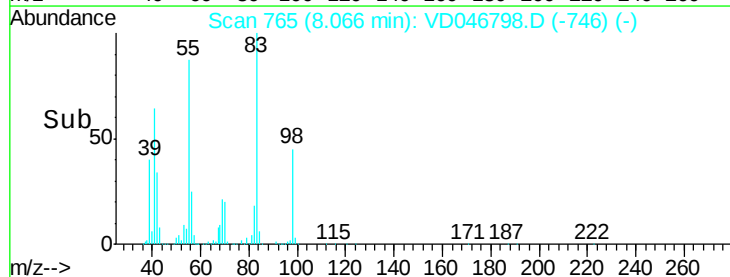
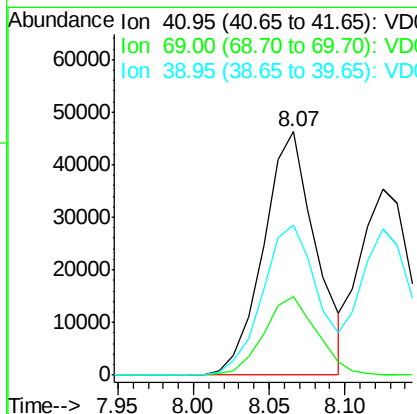
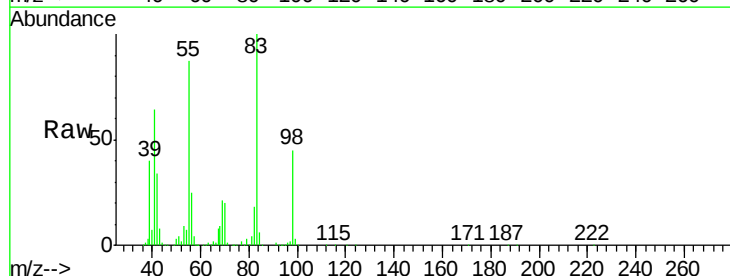
RT: 8.07 min Scan# 765

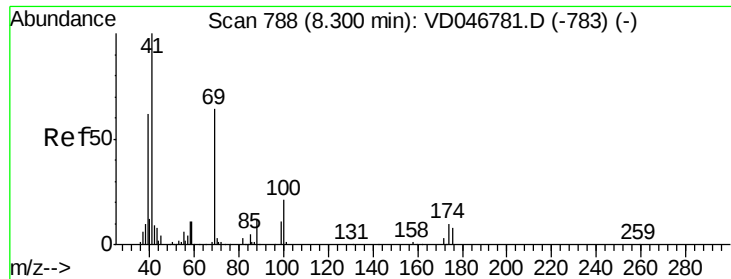
Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion:	41	Resp:	111914
Ion	Ratio	Lower	Upper
41	100		
69	32.4	25.3	37.9
39	61.7	47.4	71.0





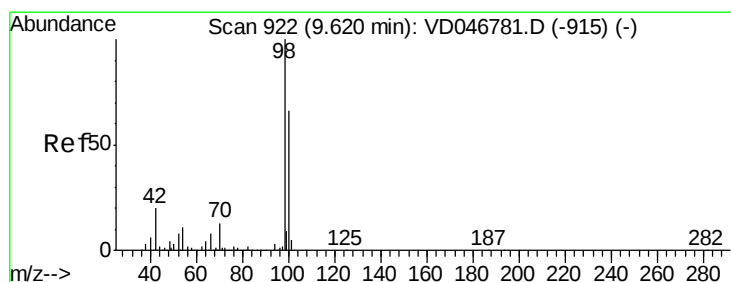
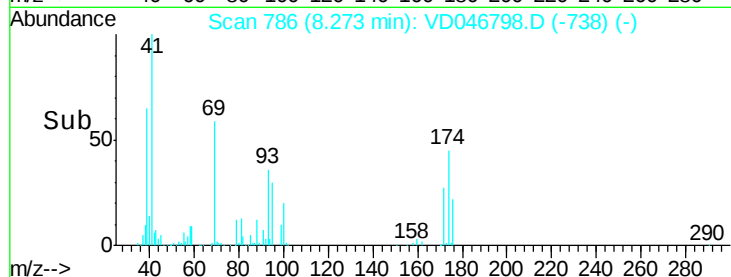
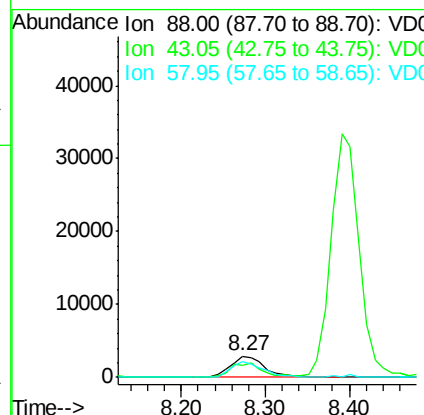
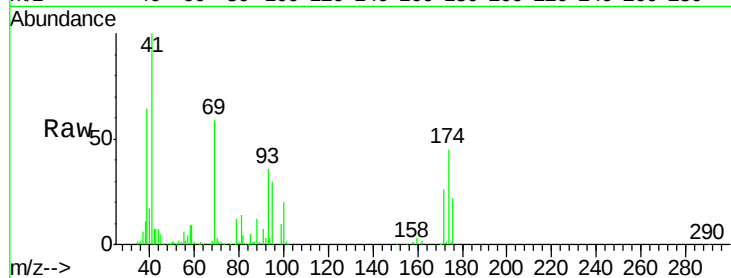
#49
1,4-Dioxane
Concen: 1087.76 ug/l
RT: 8.27 min Scan# 786
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	8324
Ion Ratio	100	Lower	Upper
88	100		
43	56.2	50.0	75.0
58	75.2	48.3	72.5

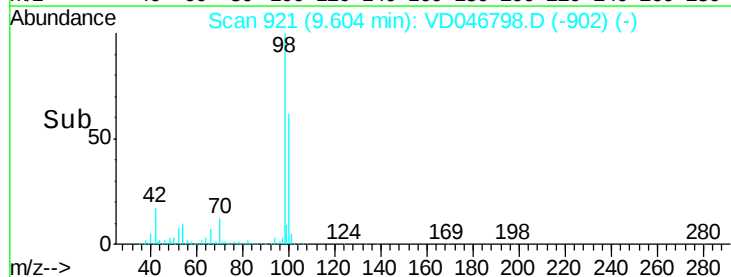
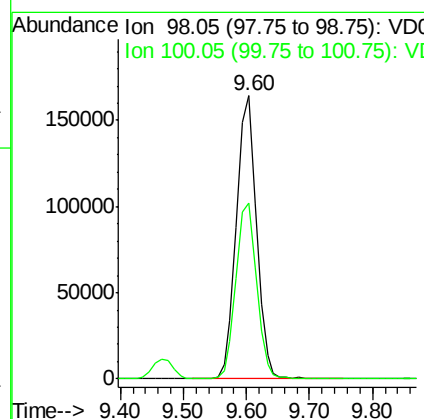
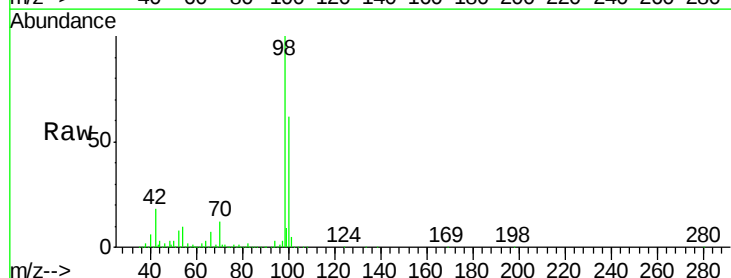
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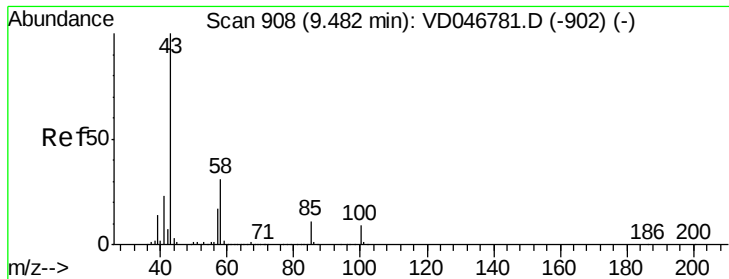
MMDadoda
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#50
Toluene-d8
Concen: 1087.76 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	98	Resp	362126
Ion Ratio	100	Lower	Upper
98	100		
100	62.0	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 294.22 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 287654

Ion Ratio Lower Upper

43 100

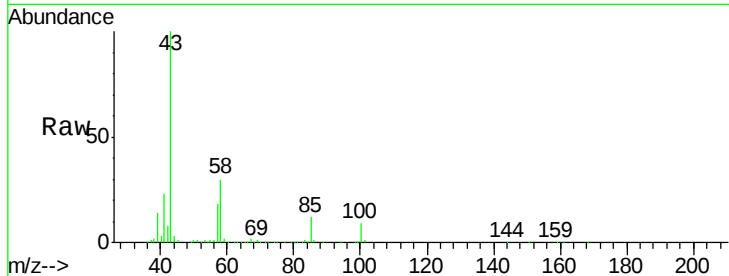
58 30.4 22.2 33.2

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

150000

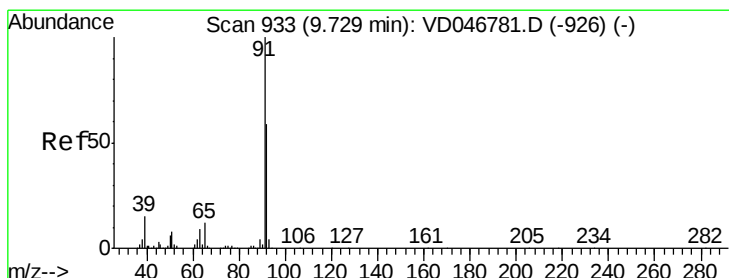
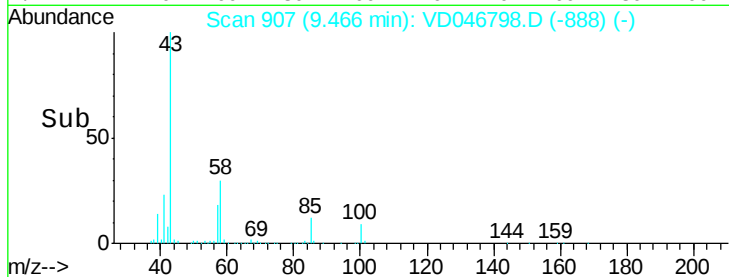
100000

50000

0

9.40 9.50 9.60

Time-->



#52

Toluene

Concen: 54.10 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046798.D

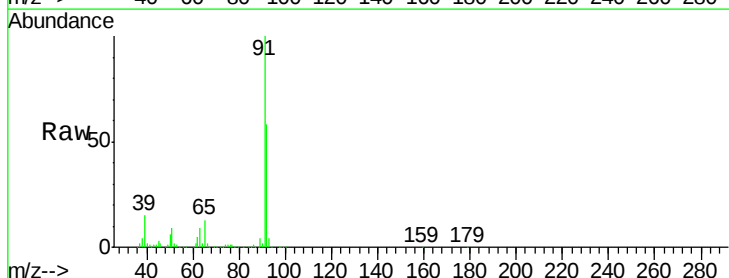
Acq: 21 Sep 2015 10:36

Tgt Ion: 92 Resp: 272204

Ion Ratio Lower Upper

92 100

91 172.7 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

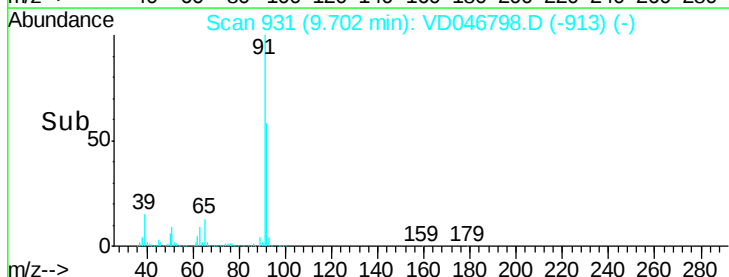
100000

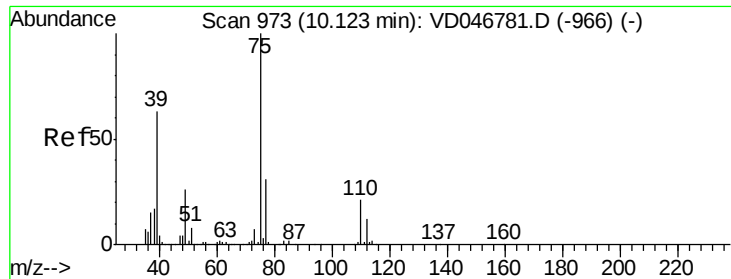
50000

0

9.60 9.70 9.80

Time-->





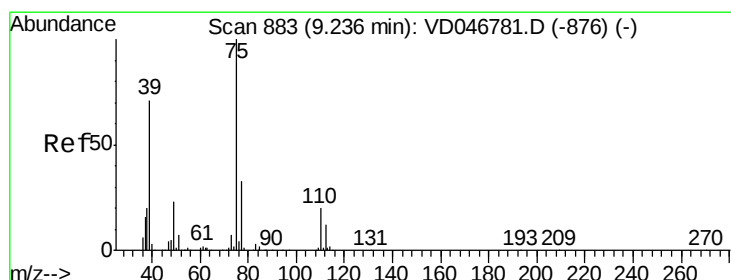
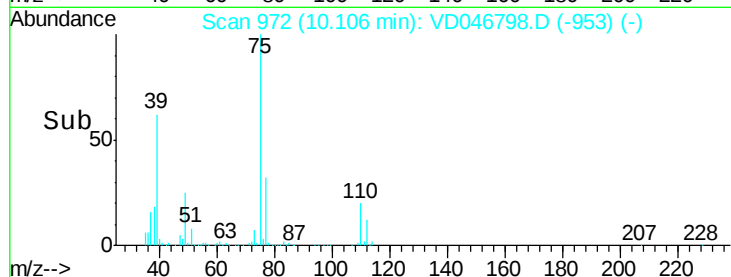
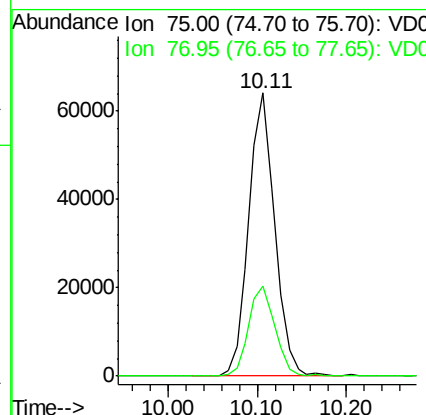
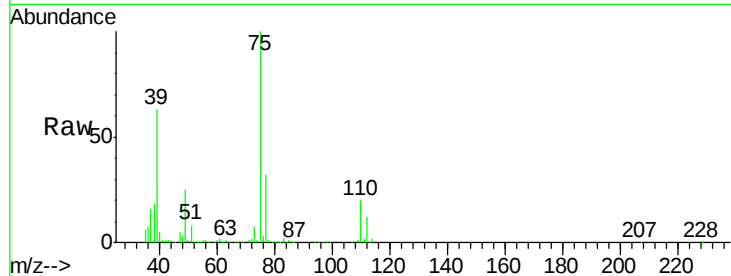
#53
t-1,3-Dichloropropene
Concen: 58.32 ug/l
RT: 10.11 min Scan# 972
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 129689
Ion Ratio Lower Upper
75 100
77 32.0 27.6 41.4

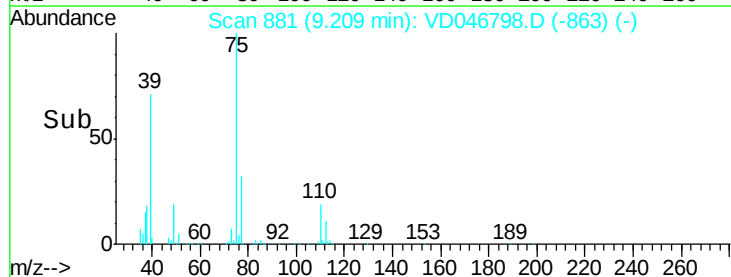
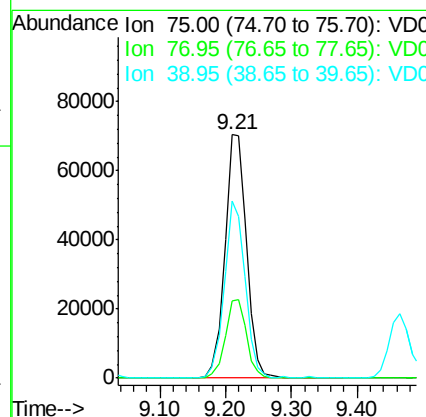
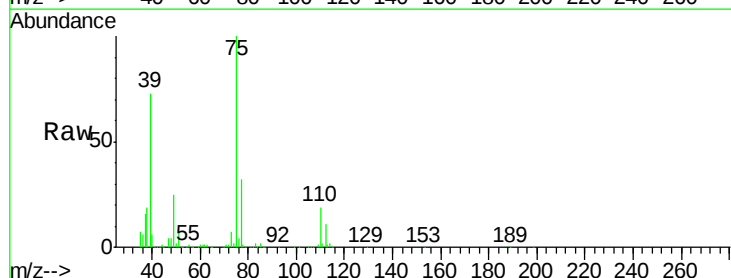
Manual Integrations
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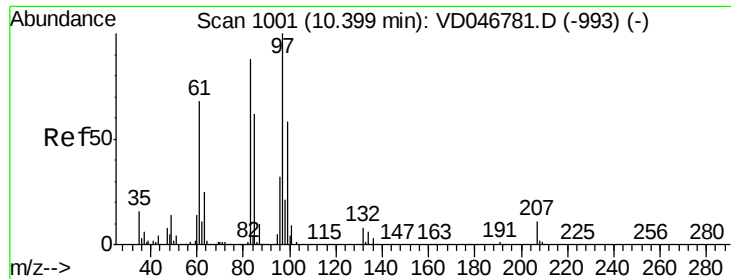
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#54
cis-1,3-Dichloropropene
Concen: 56.42 ug/l
RT: 9.21 min Scan# 881
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion: 75 Resp: 161556
Ion Ratio Lower Upper
75 100
77 31.7 23.8 35.6
39 72.8 53.0 79.6





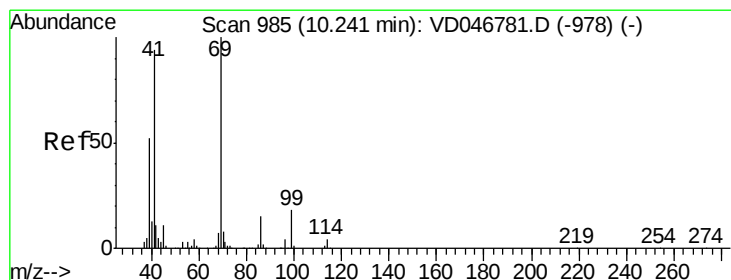
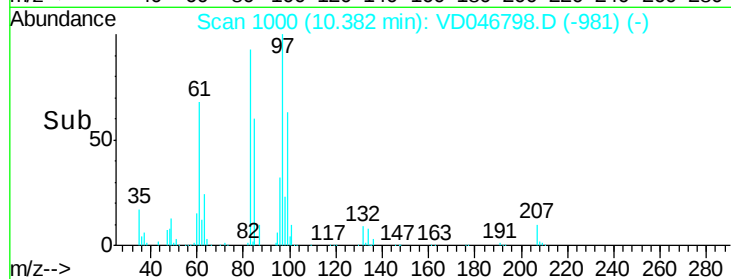
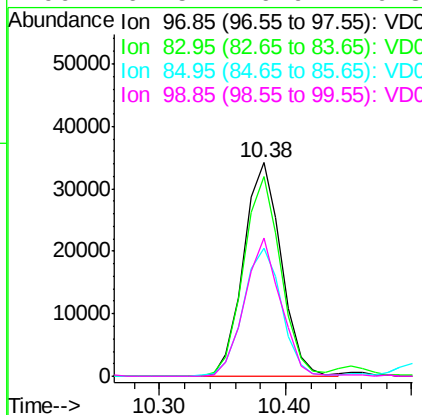
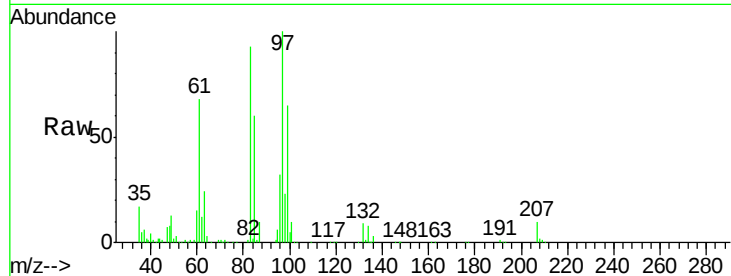
#55
 1,1,2-Trichloroethane
 Concen: 54.72 ug/l
 RT: 10.38 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	71295
Ion	Ratio	Lower	Upper
97	100		
83	93.4	75.3	112.9
85	60.1	50.9	76.3
99	64.5	46.9	70.3

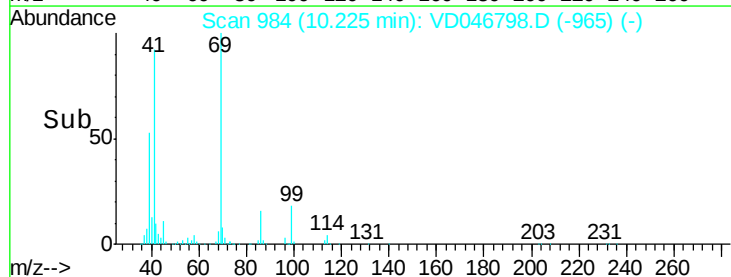
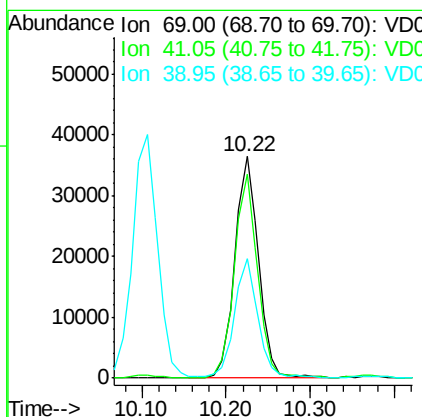
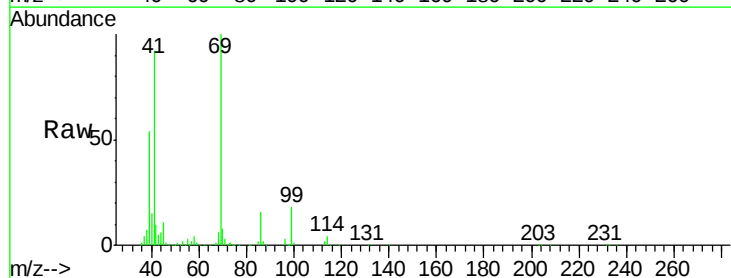
Manual Integrations
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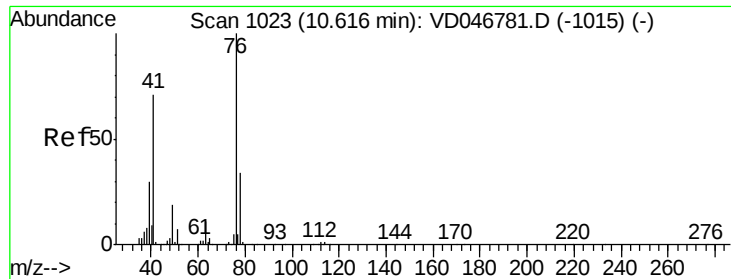
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#56
 Ethyl methacrylate
 Concen: 52.81 ug/l
 RT: 10.22 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Tgt Ion:	69	Resp:	71689
Ion	Ratio	Lower	Upper
69	100		
41	92.4	75.4	113.0
39	53.8	41.0	61.4





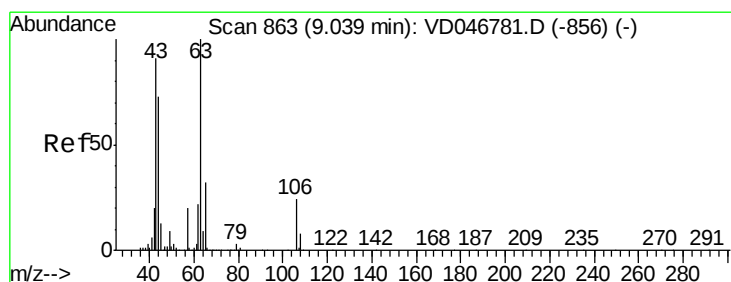
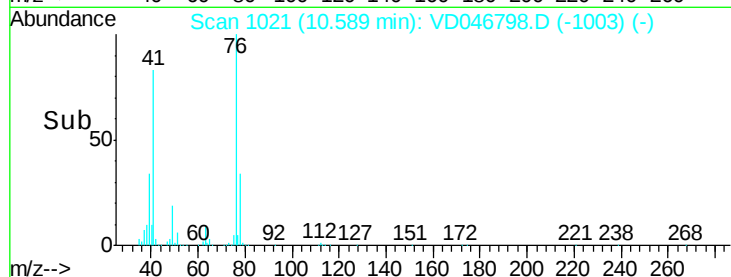
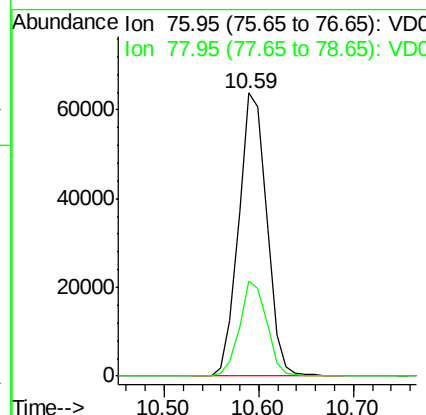
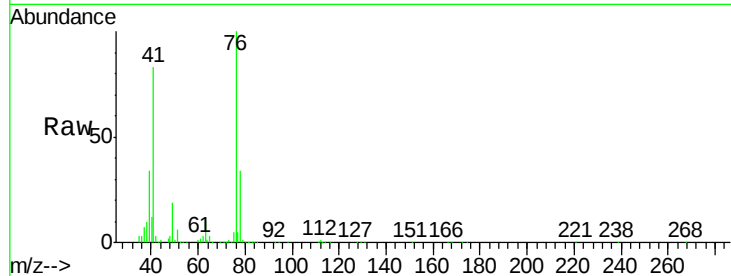
#57
 1,3-Dichloropropane
 Concen: 54.24 ug/l
 RT: 10.59 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 131405
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.6 39.8

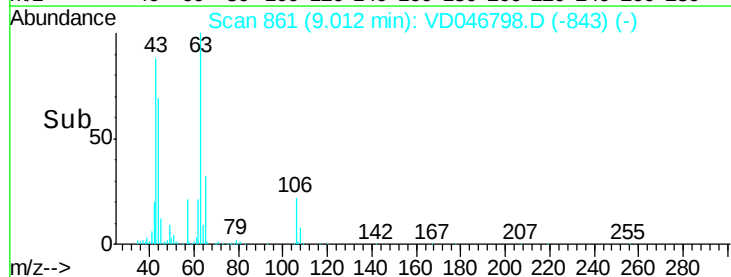
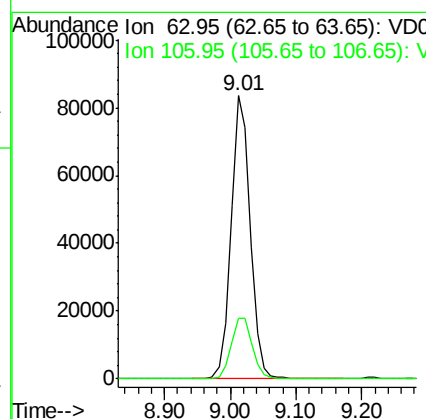
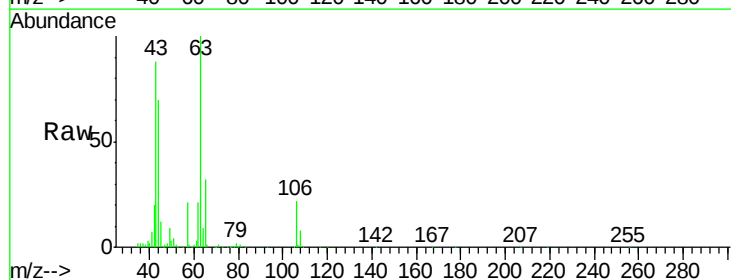
Manual Integrations
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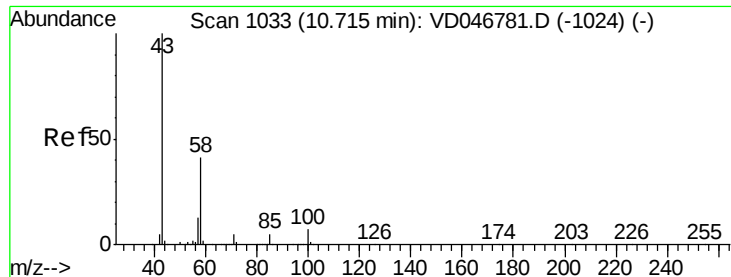
MMDadoda
 9/22/2015 12:41:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.75 ug/l
 RT: 9.01 min Scan# 861
 Delta R.T. -0.03 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Tgt Ion: 63 Resp: 170323
 Ion Ratio Lower Upper
 63 100
 106 21.6 17.8 26.8





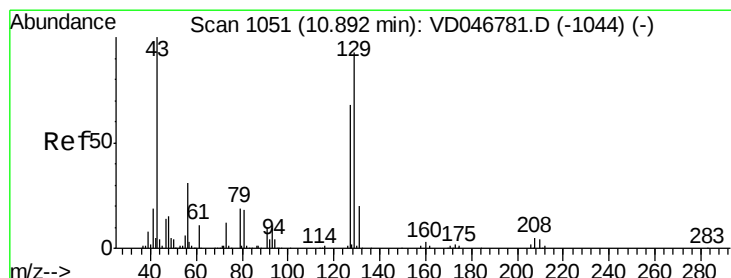
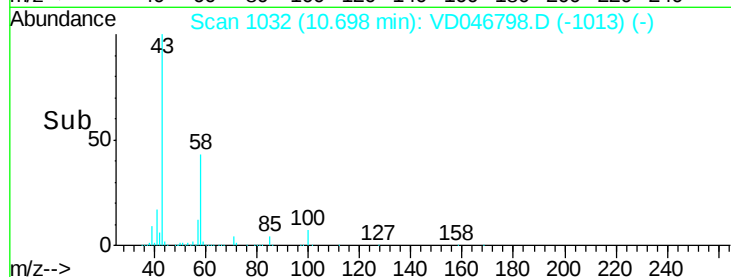
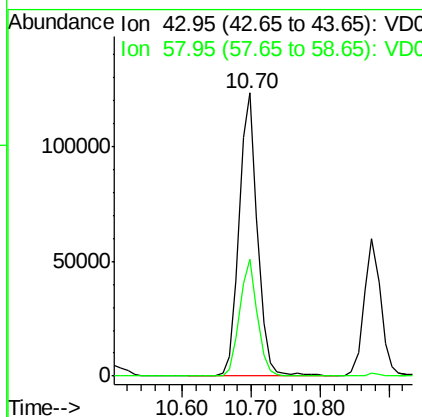
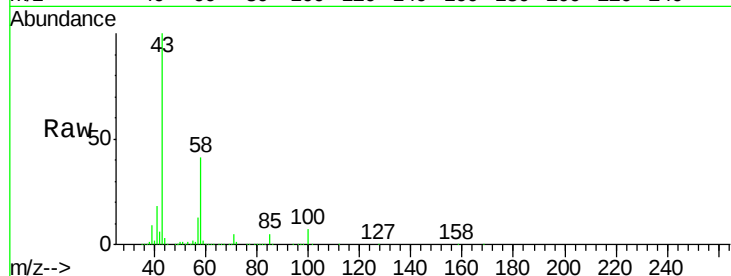
#59
2-Hexanone
Concen: 322.78 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.4	18.6	55.8

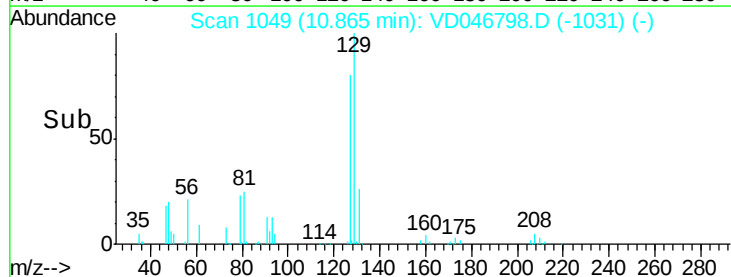
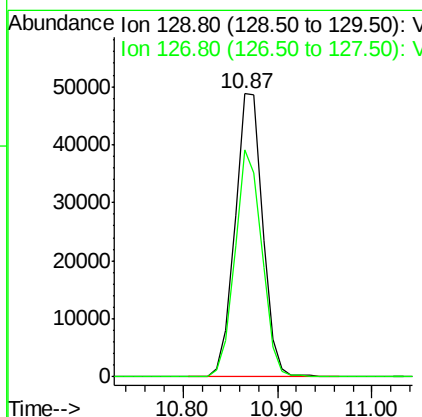
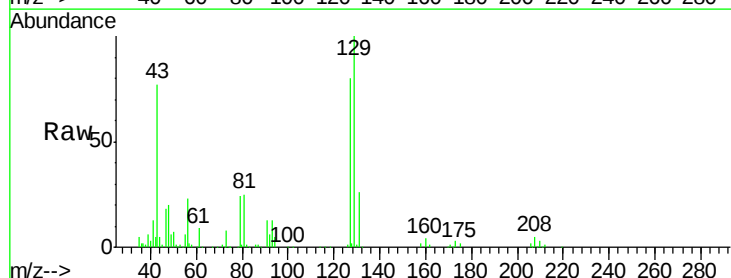
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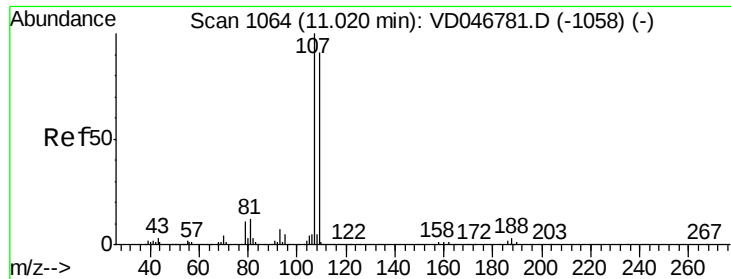
MMDadoda
9/22/2015 12:41:05 PM



#60
Dibromochloromethane
Concen: 55.26 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.3	38.2	114.6





#61

1,2-Dibromoethane

Concen: 54.43 ug/l

RT: 11.00 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 70009

Ion Ratio Lower Upper

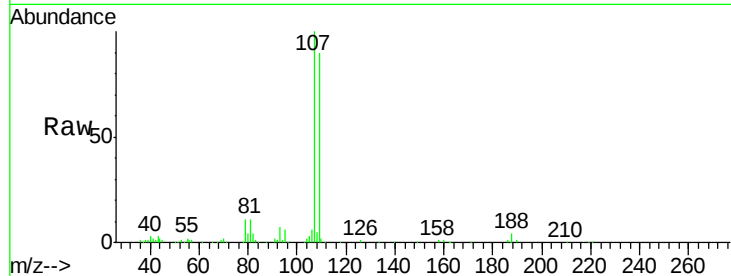
107 100

109 89.9 71.4 107.0

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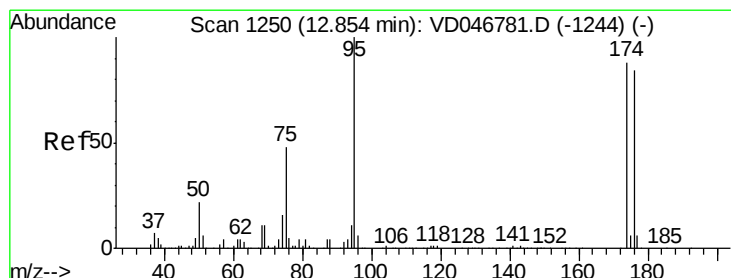
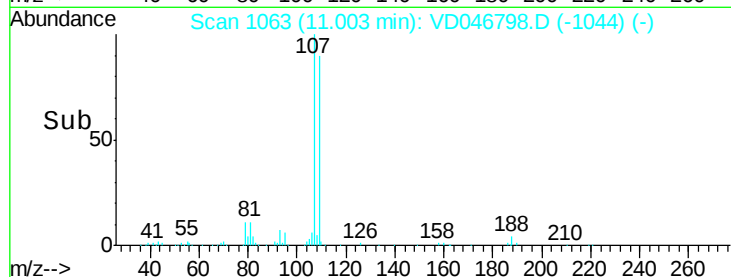
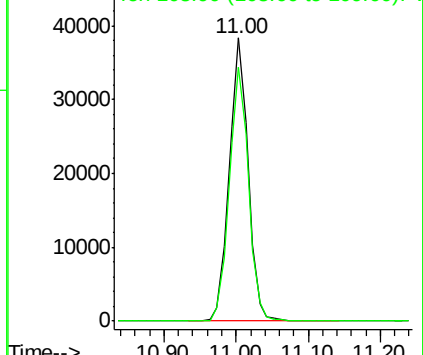
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.43 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

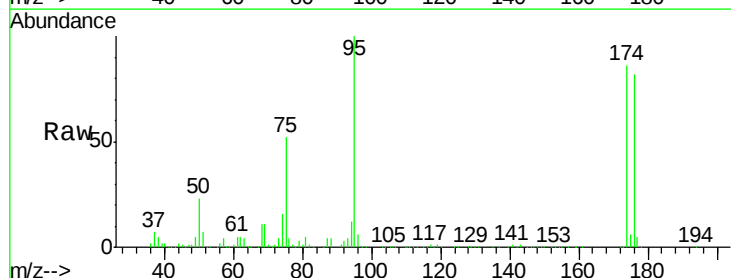
Tgt Ion: 95 Resp: 147176

Ion Ratio Lower Upper

95 100

174 85.5 0.0 149.8

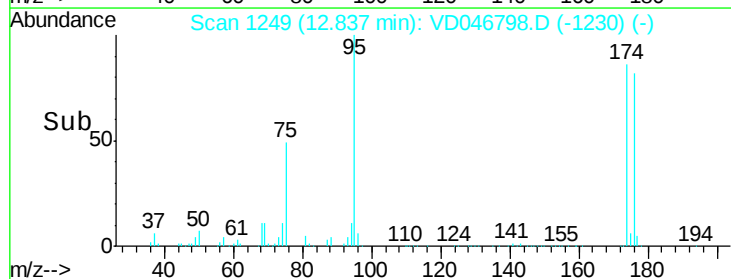
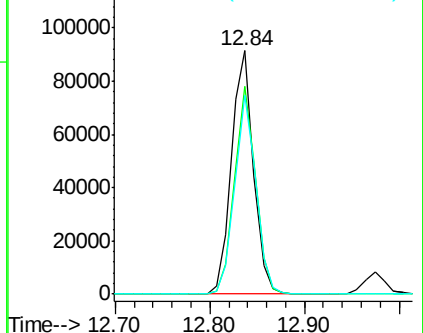
176 81.6 0.0 143.4

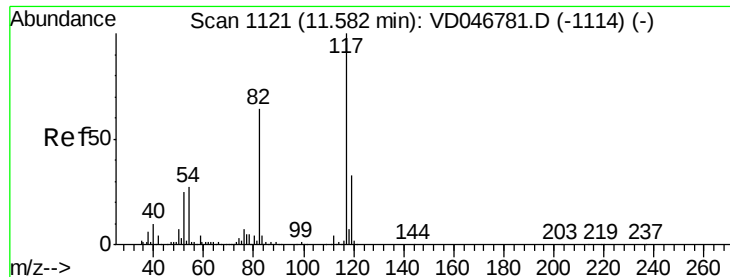


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





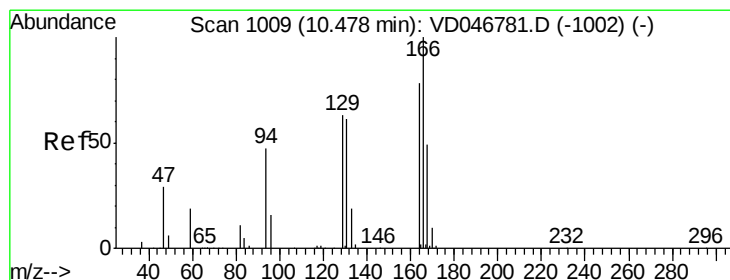
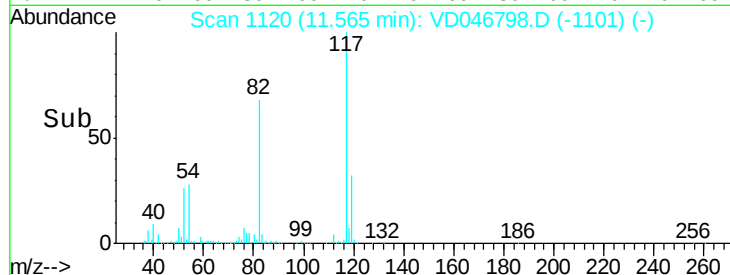
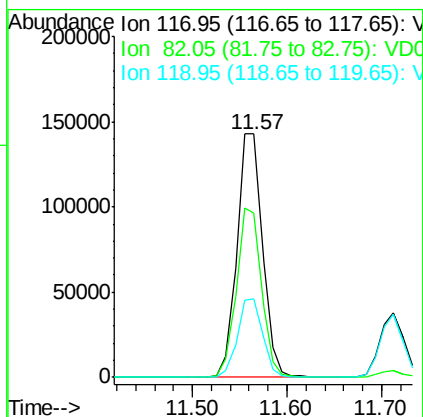
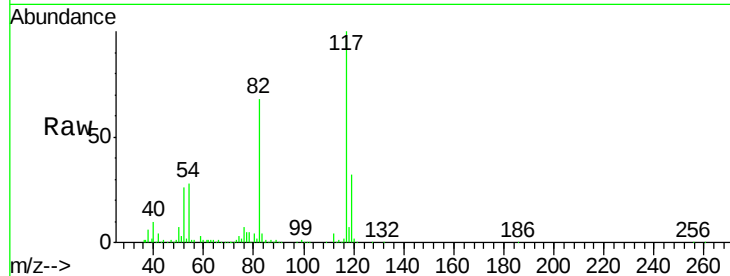
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	268702		
82	67.5	50.6	75.8	
119	32.2	25.8	38.8	

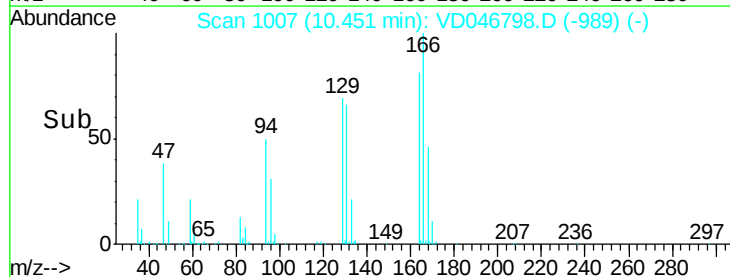
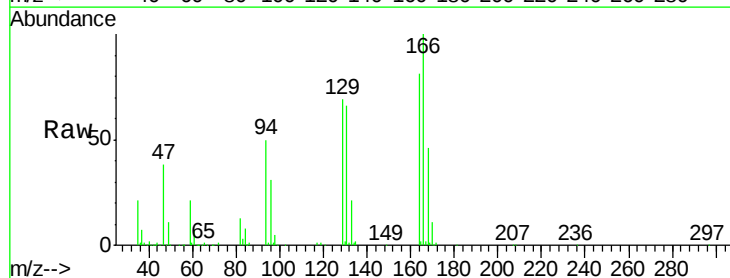
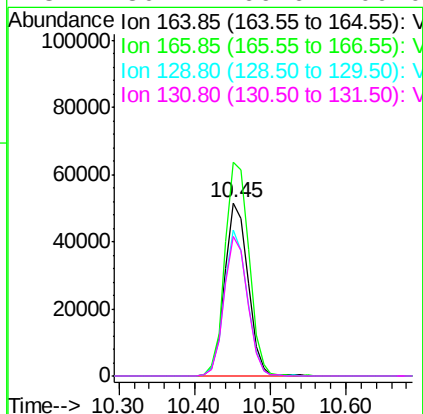
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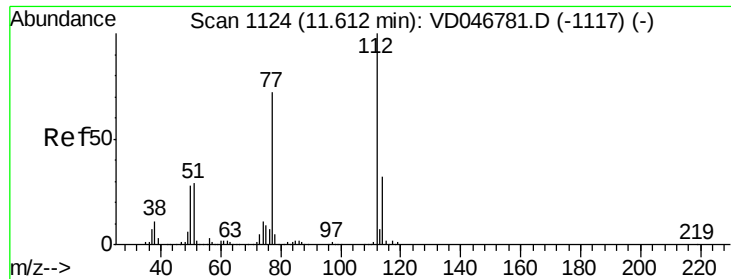
MMDadoda
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#64
Tetrachloroethene
Concen: 50.46 ug/l
RT: 10.45 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109479		
166	123.2	106.8	160.2	
129	84.6	70.6	106.0	
131	80.7	66.6	100.0	





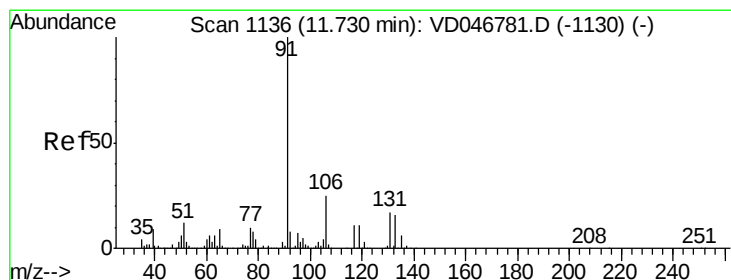
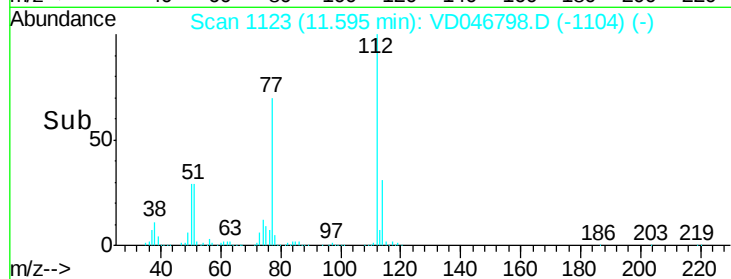
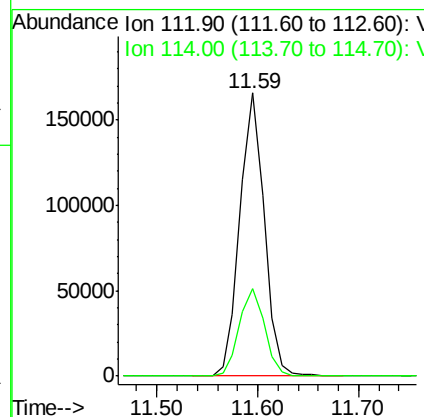
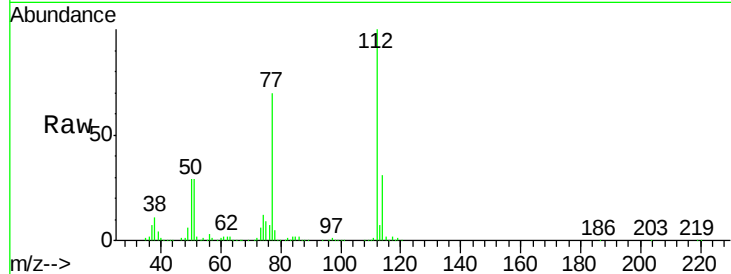
#65
Chlorobenzene
Concen: 49.49 ug/l
RT: 11.59 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	279901		
114	30.8	25.3	37.9	

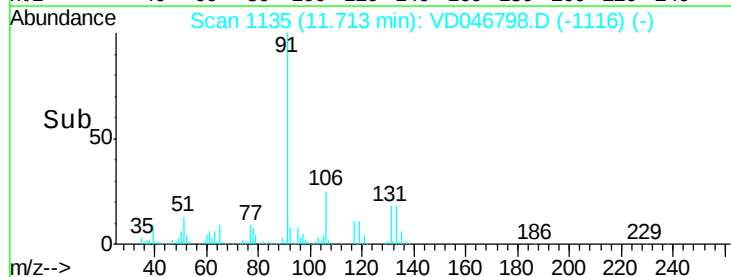
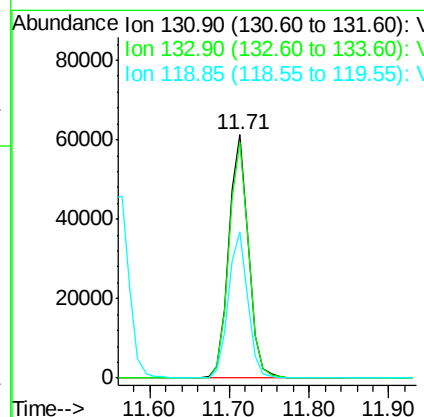
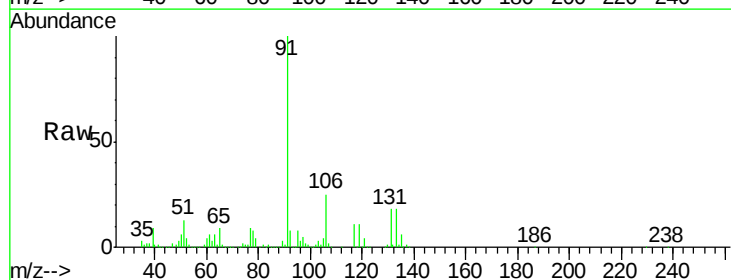
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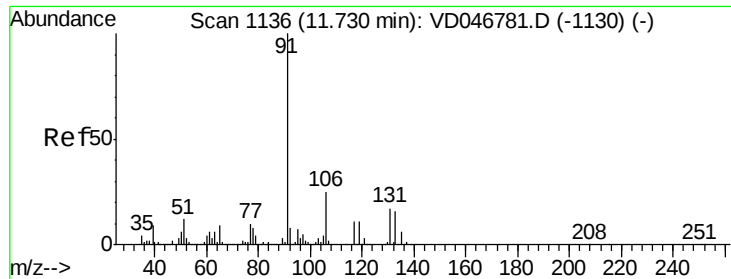
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.54 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	107059		
133	97.1	48.4	145.0	
119	60.2	31.5	94.5	





#67

Ethyl Benzene

Concen: 52.56 ug/l

RT: 11.71 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 597251

Ion Ratio Lower Upper

91 100

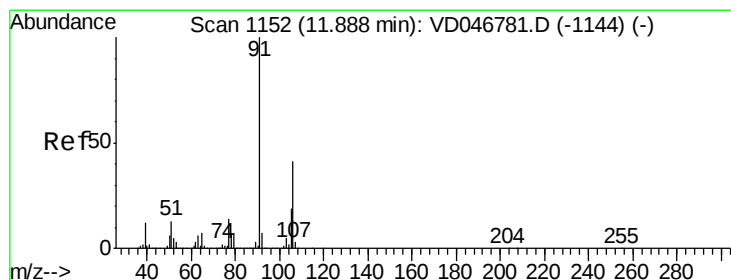
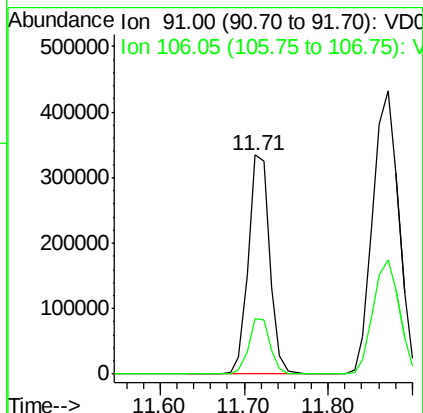
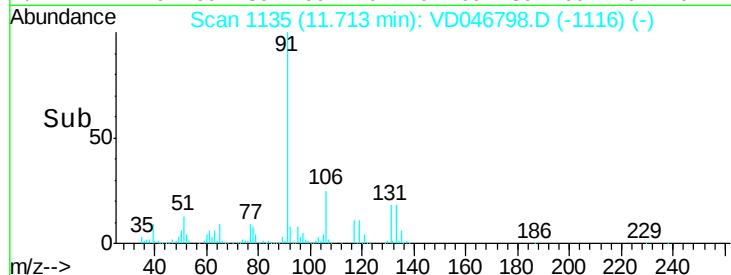
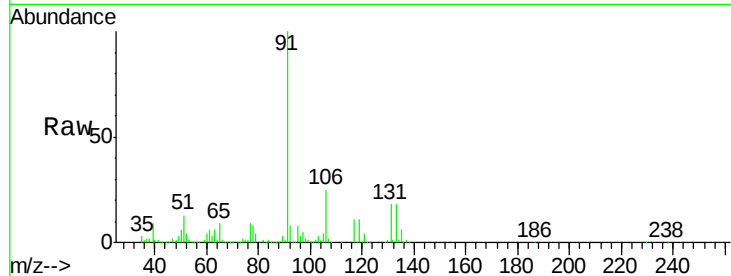
106 25.4 20.2 30.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.10 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046798.D

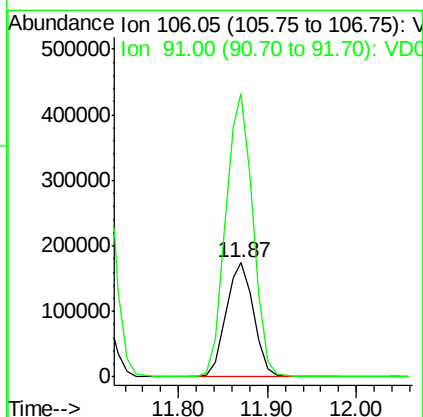
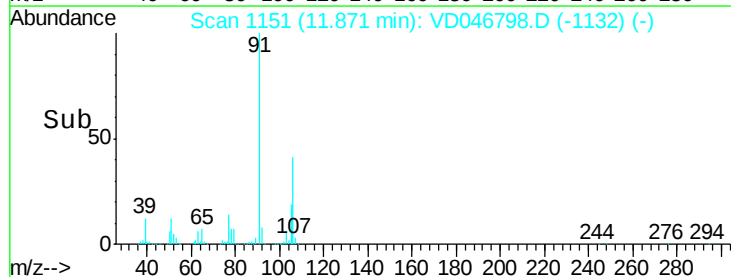
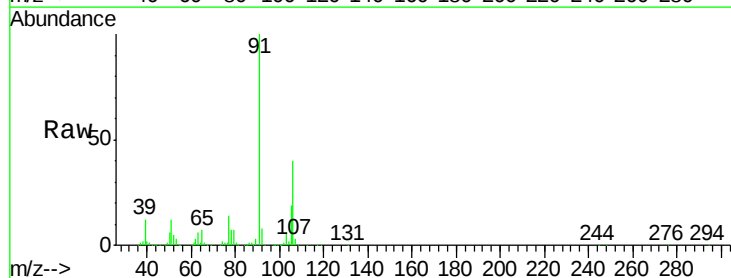
Acq: 21 Sep 2015 10:36

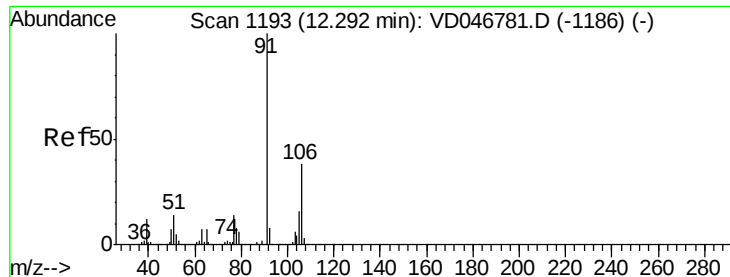
Tgt Ion: 106 Resp: 376682

Ion Ratio Lower Upper

106 100

91 247.5 187.9 281.9





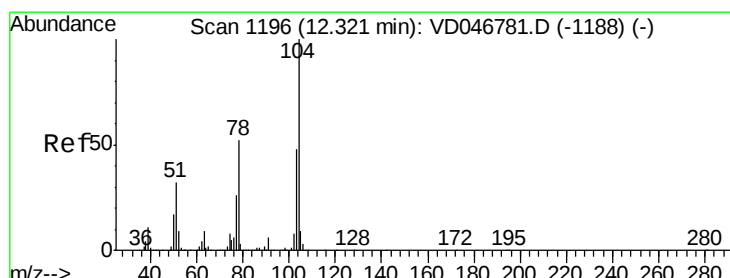
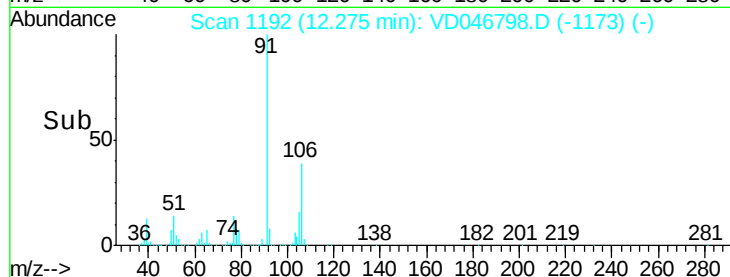
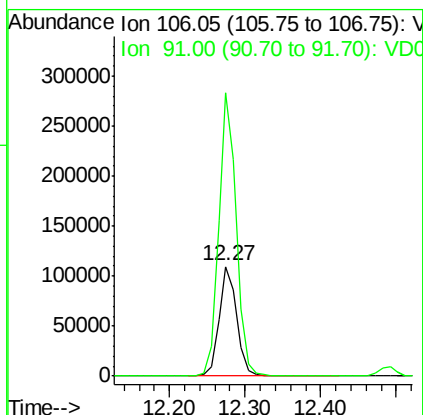
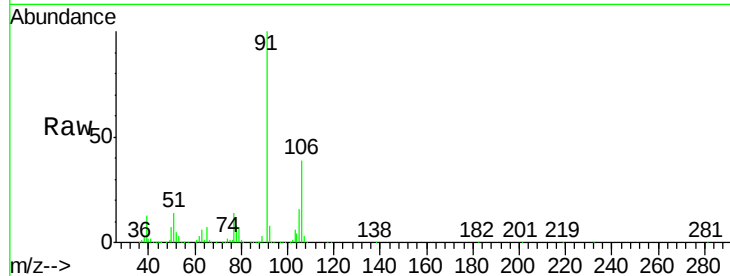
#69
o-Xylene
Concen: 55.44 ug/l
RT: 12.27 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 178867
Ion Ratio Lower Upper
106 100
91 258.7 124.8 374.5

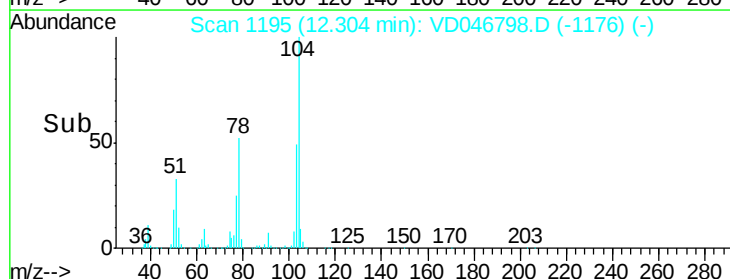
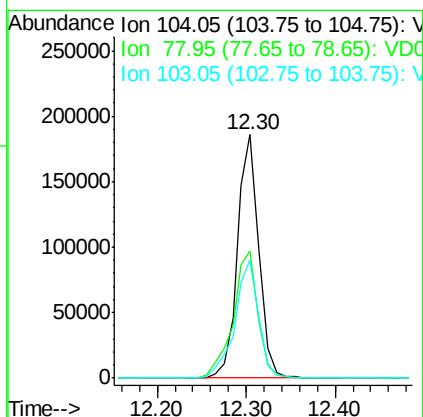
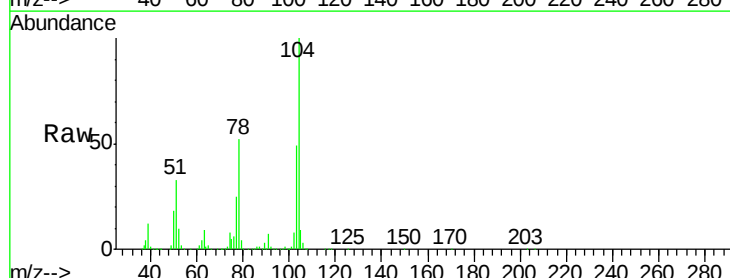
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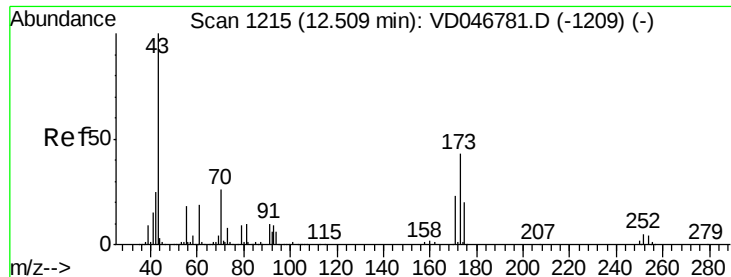
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#70
Styrene
Concen: 55.18 ug/l
RT: 12.30 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion:104 Resp: 308670
Ion Ratio Lower Upper
104 100
78 52.2 44.5 66.7
103 48.6 40.3 60.5





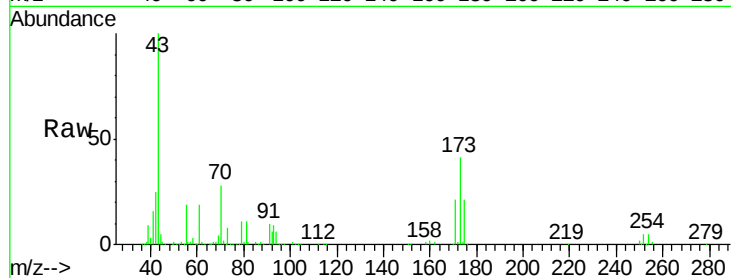
#71
Bromoform
Concen: 54.59 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.1	69.3
254	11.9	8.7	13.1

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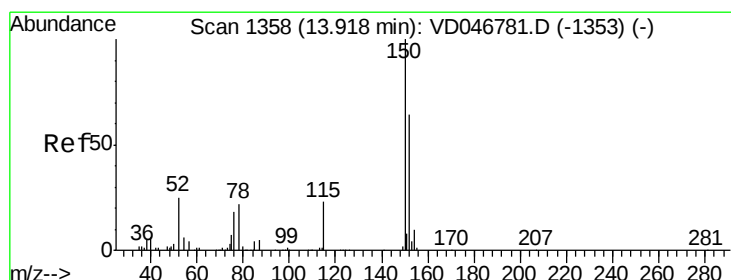
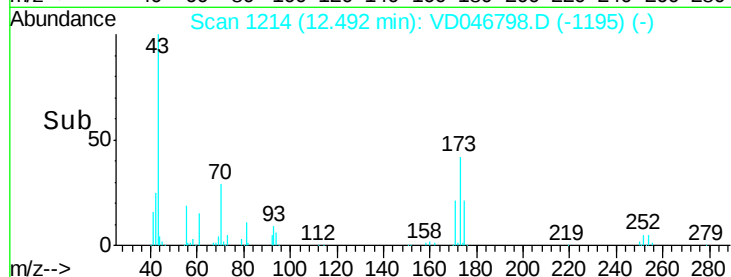
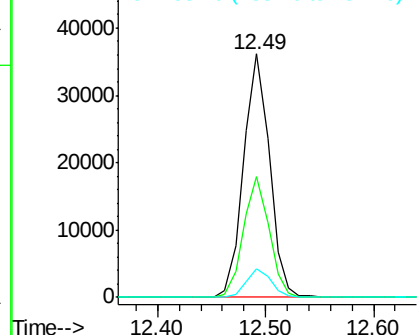


Abundance

Ion 172.80 (172.50 to 173.50): V

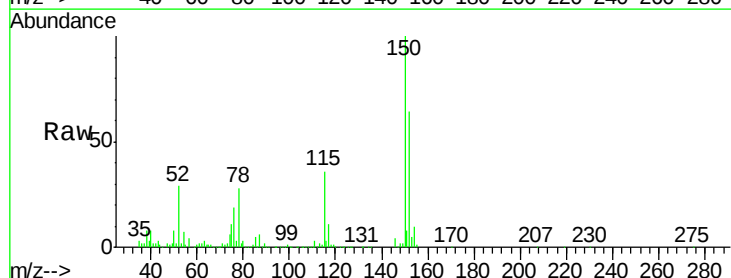
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.90 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	26.2	78.6
150	156.9	0.0	311.8

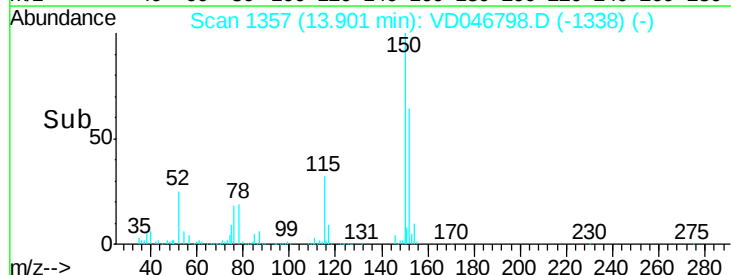
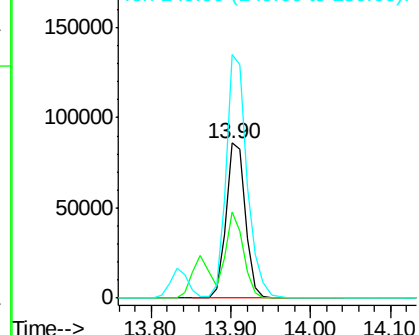


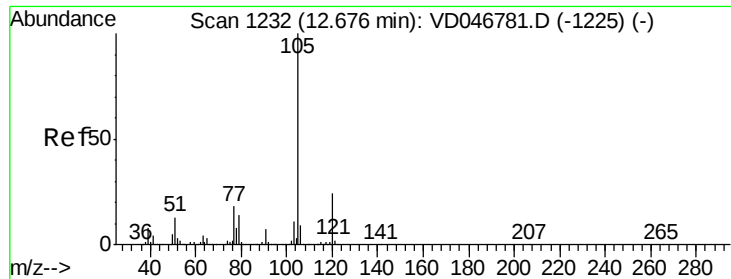
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.88 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 542935

Ion Ratio Lower Upper

105 100

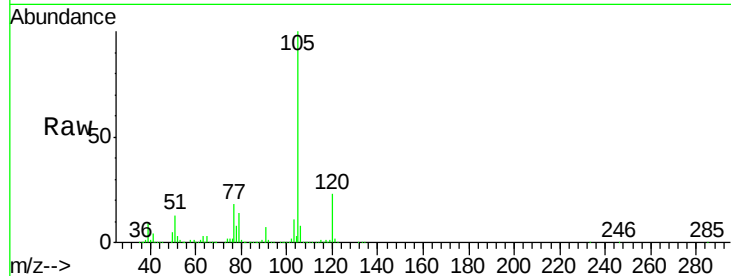
120 23.5 12.4 37.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.66

400000

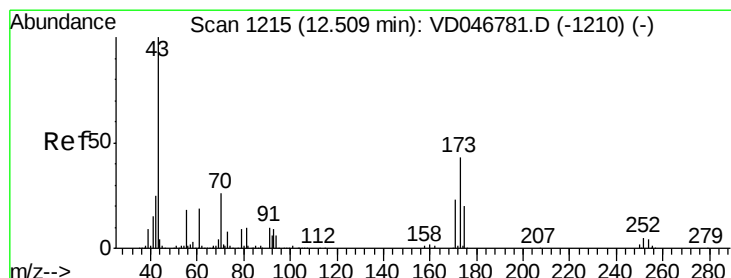
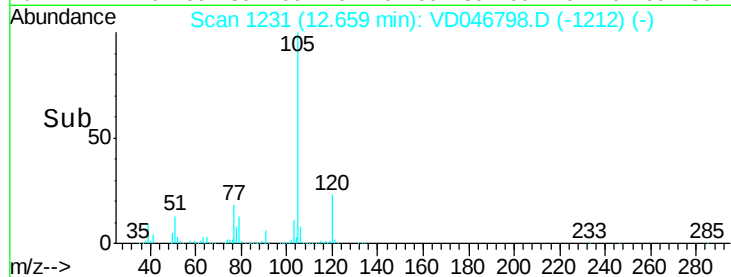
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.26 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion: 43 Resp: 126540

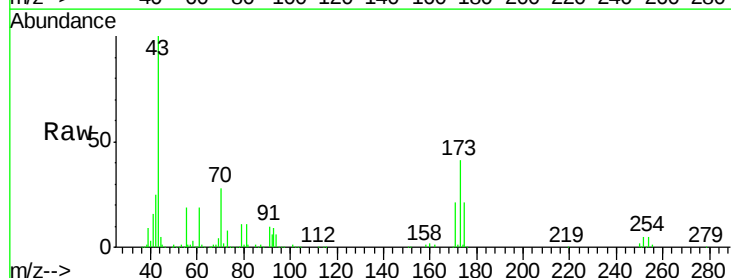
Ion Ratio Lower Upper

43 100

70 28.4 22.1 33.1

55 19.2 14.5 21.7

61 19.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

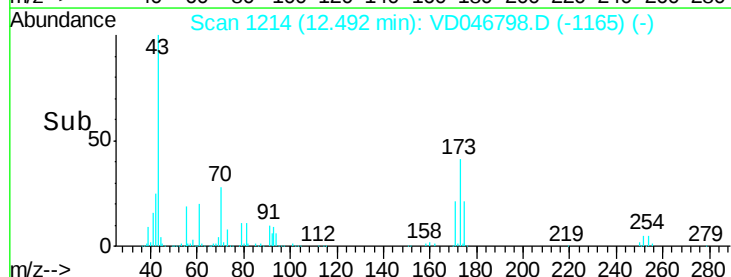
12.49

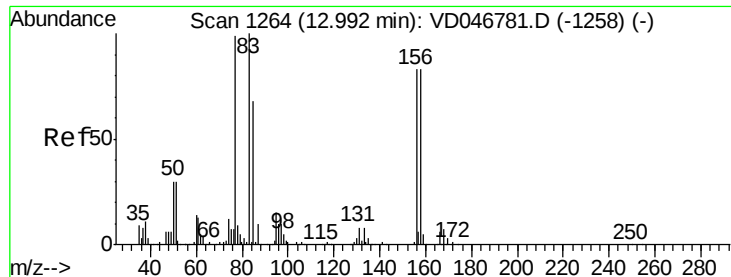
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.30 ug/l

RT: 12.97 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

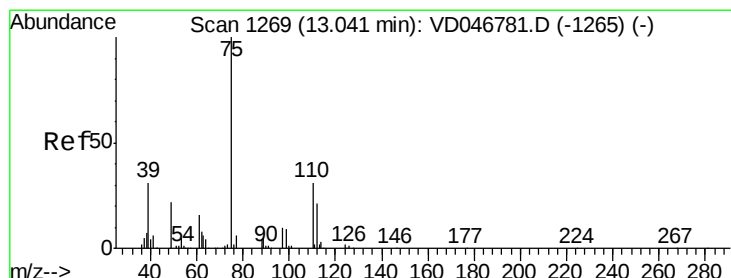
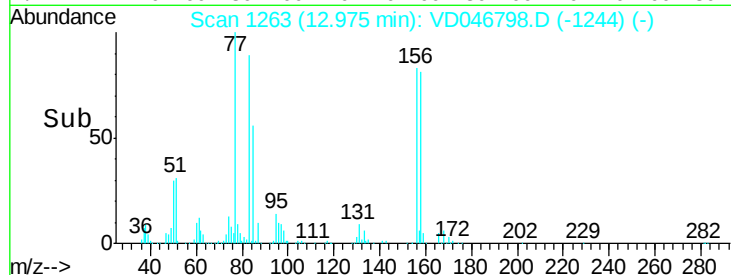
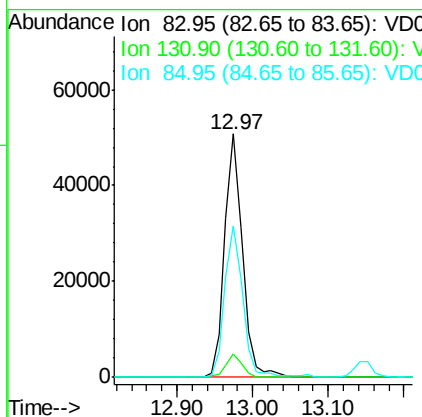
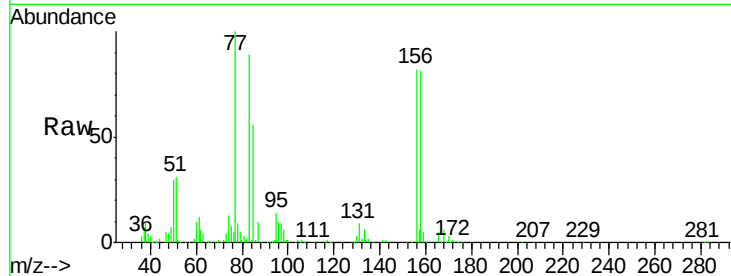
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	83268
Ion Ratio	Lower	Upper	
83	100		
131	9.9	3.9	11.7
85	62.3	30.5	91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.85 ug/l

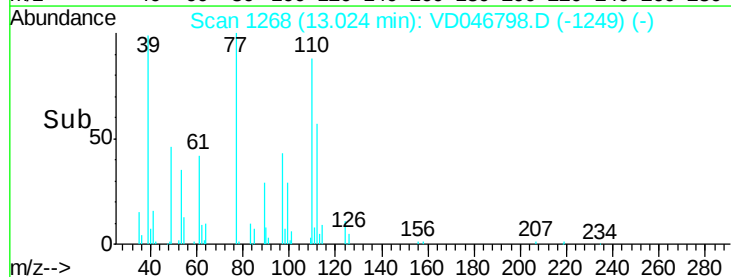
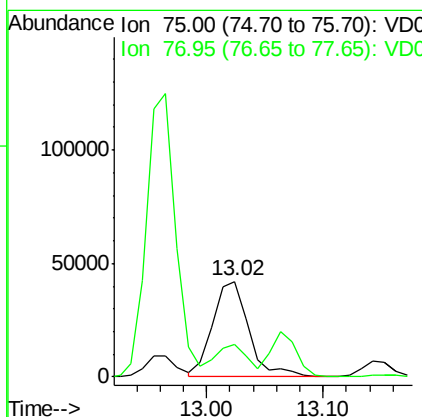
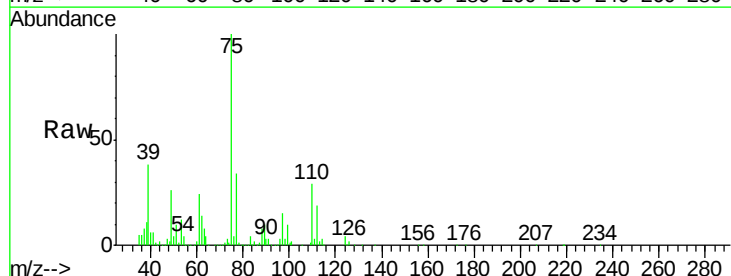
RT: 13.02 min Scan# 1268

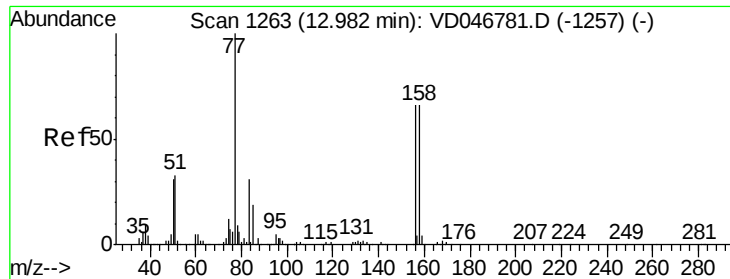
Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion:	75	Resp:	90079
Ion Ratio	Lower	Upper	
75	100		
77	34.2	16.0	48.0





#77

Bromobenzene

Concen: 49.52 ug/l

RT: 12.96 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

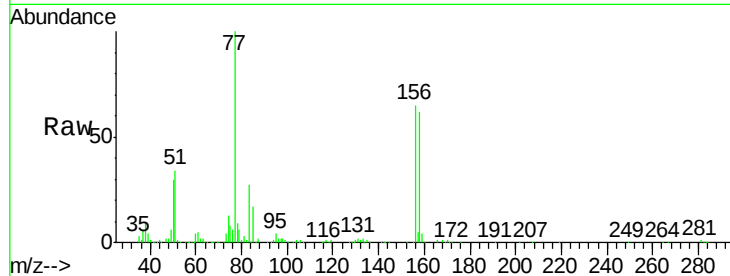
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	130321
Ion Ratio	Lower	Upper	
156	100		
77	154.5	70.3	210.8
158	95.9	49.0	147.0

Manual Integrations
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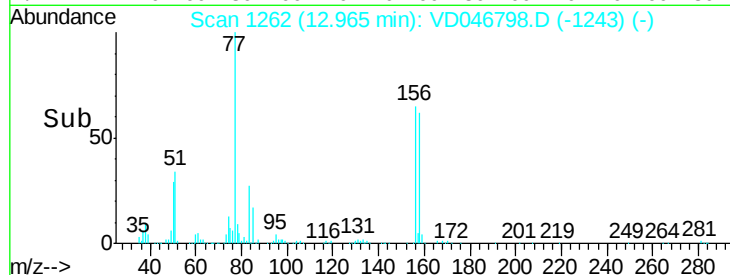


Abundance Ion 155.90 (155.60 to 156.60): V

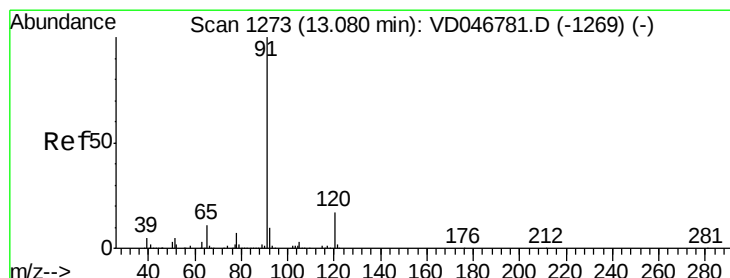
Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 51.31 ug/l

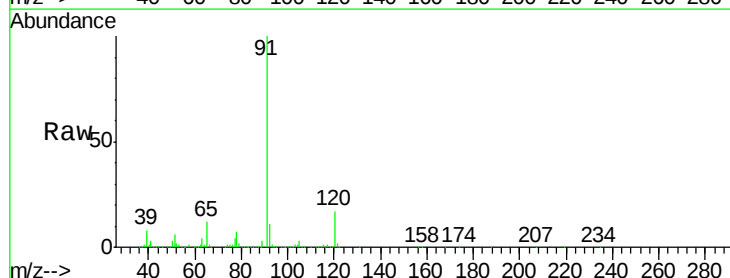
RT: 13.06 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

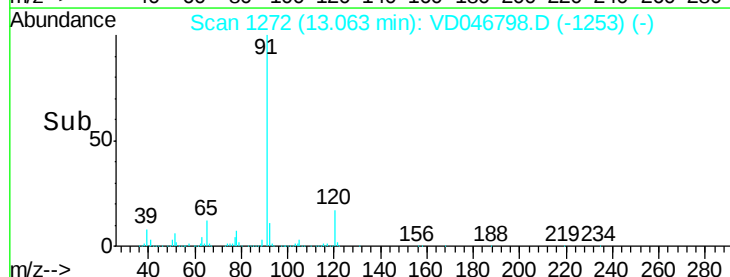
Tgt Ion:	91	Resp:	758365
Ion Ratio	Lower	Upper	
91	100		
120	16.8	9.3	27.7



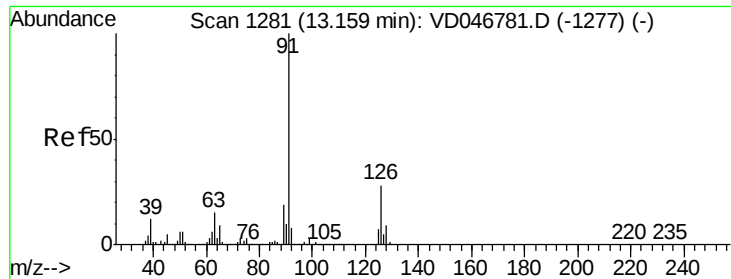
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

Time-->



Time-->



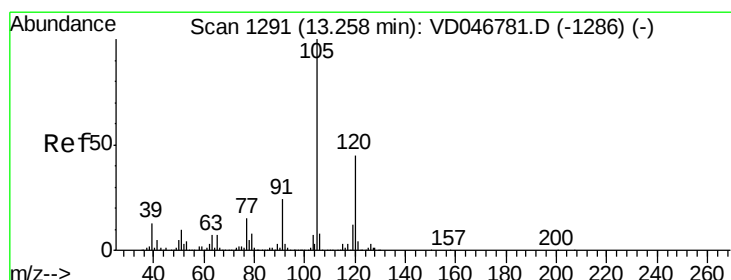
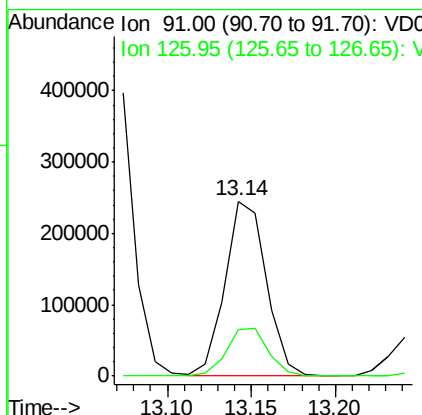
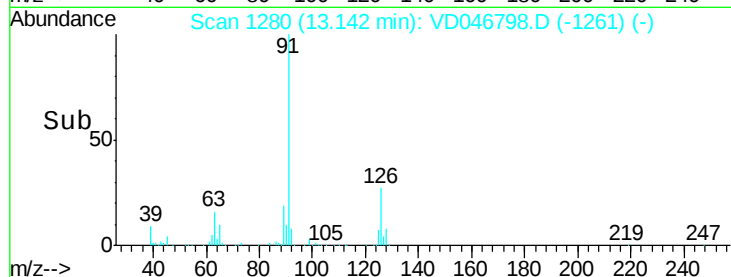
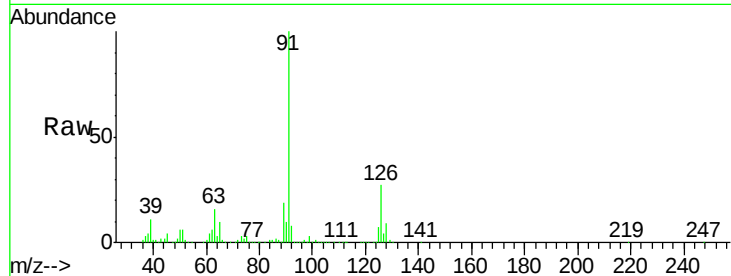
#79
 2-Chlorotoluene
 Concen: 50.34 ug/l
 RT: 13.14 min Scan# 1280
 Delta R.T. -0.02 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 413014
 Ion Ratio Lower Upper
 91 100
 126 26.8 14.1 42.4

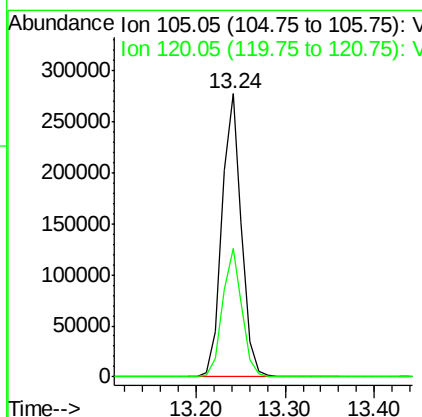
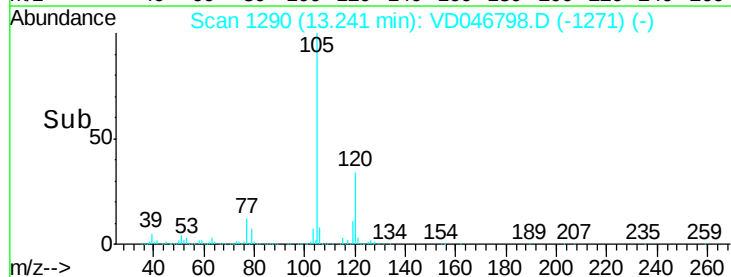
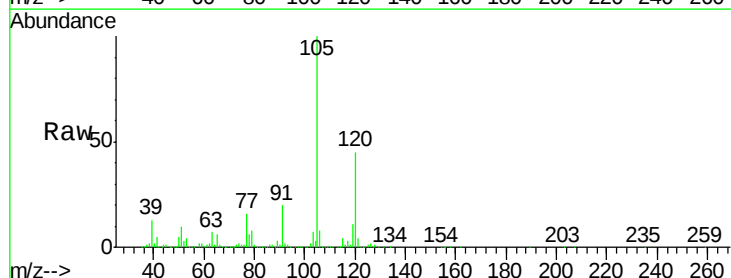
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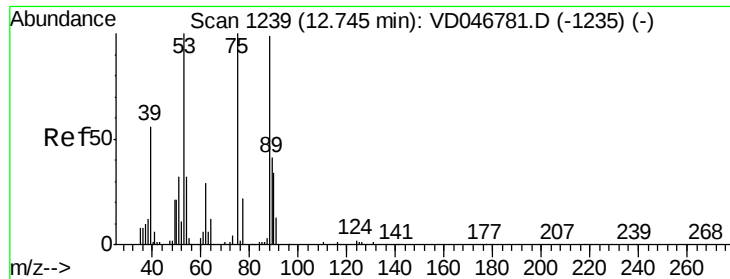
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.99 ug/l
 RT: 13.24 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Tgt Ion: 105 Resp: 425261
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8





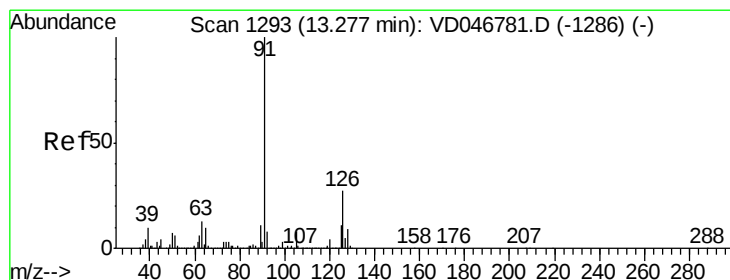
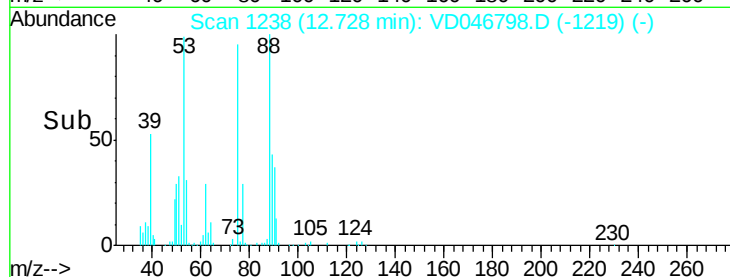
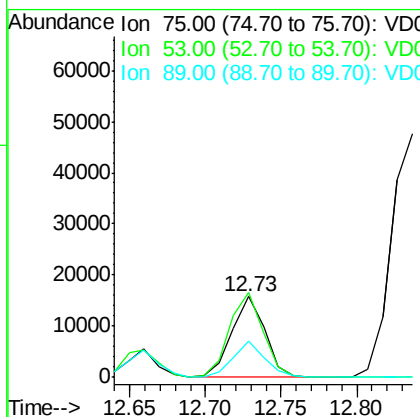
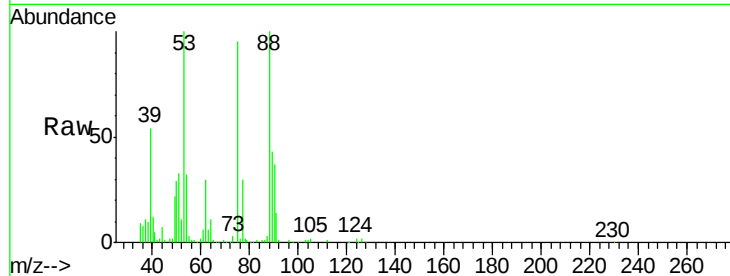
#81
trans-1,4-Dichloro-2-butene
Concen: 49.32 ug/l
RT: 12.73 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.0	82.3	123.5
89	45.4	36.6	54.8

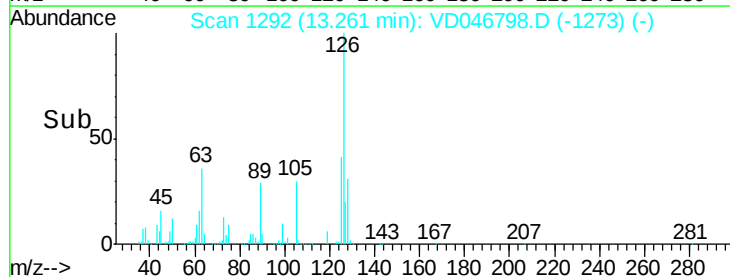
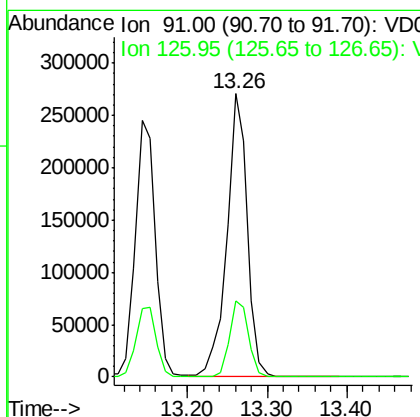
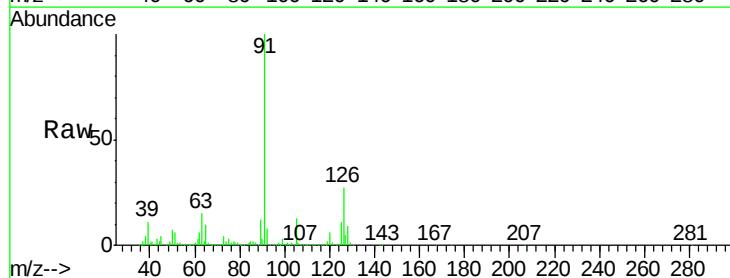
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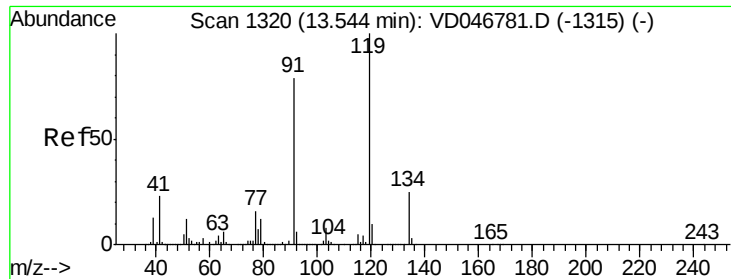
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#82
4-Chlorotoluene
Concen: 49.95 ug/l
RT: 13.26 min Scan# 1292
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.1	14.1	42.4





#83

tert-Butylbenzene

Concen: 51.25 ug/l m

RT: 13.53 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

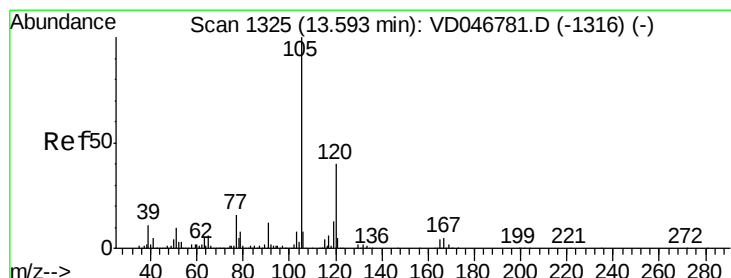
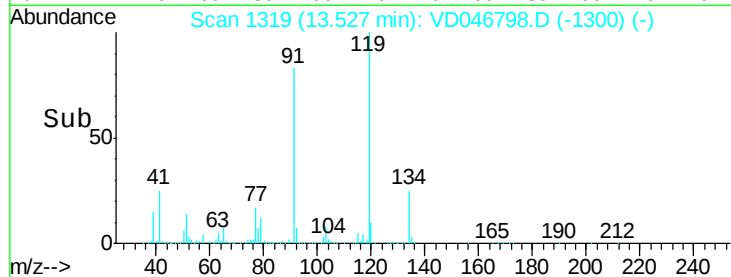
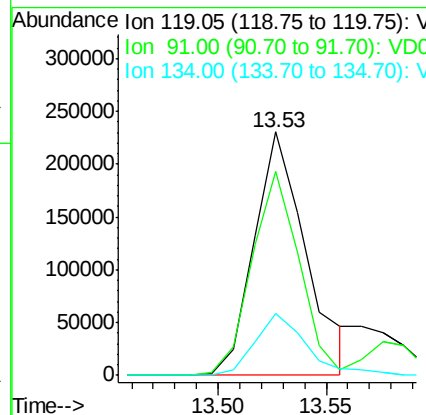
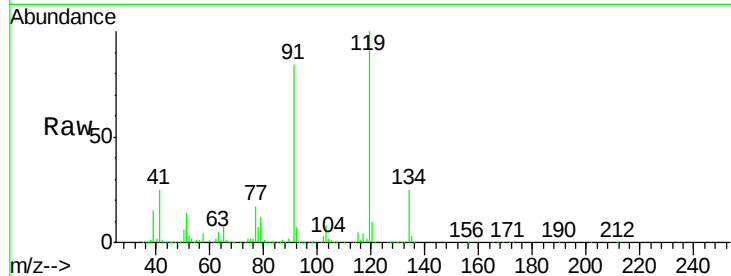
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	385408
Ion Ratio	Lower	Upper	
119	100		
91	83.6	41.6	124.9
134	25.4	12.4	37.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.10 ug/l

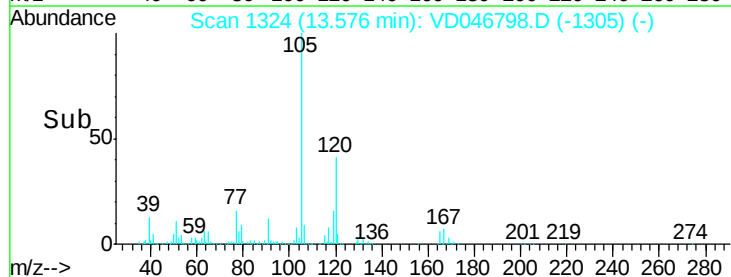
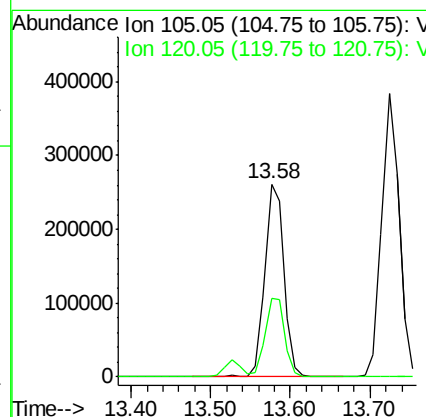
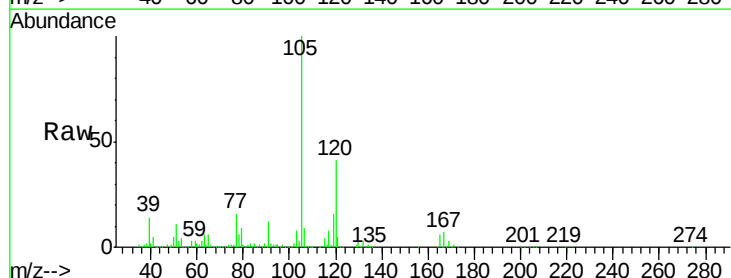
RT: 13.58 min Scan# 1324

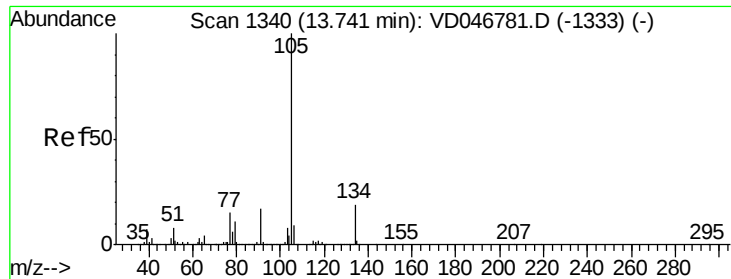
Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion:	105	Resp:	428974
Ion Ratio	Lower	Upper	
105	100		
120	40.9	21.1	63.1





#85

sec-Butylbenzene

Concen: 52.20 ug/l

RT: 13.72 min Scan# 1339

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 576896

Ion Ratio Lower Upper

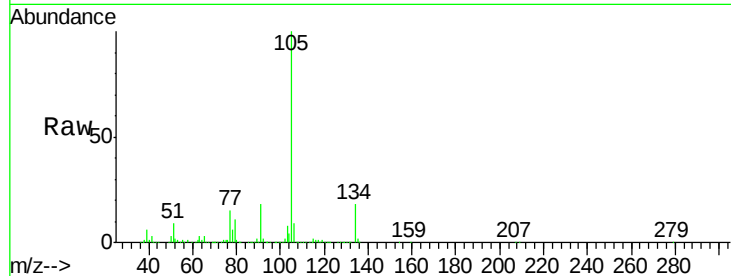
105 100

134 18.0 10.1 30.3

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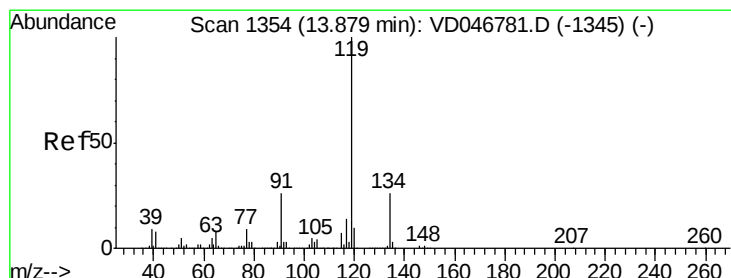
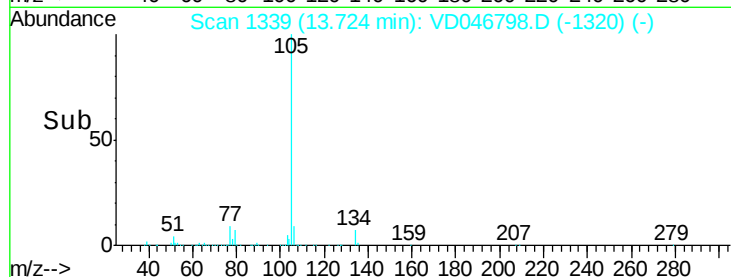
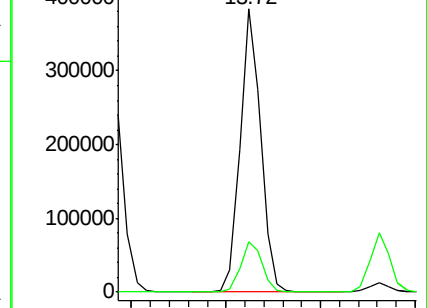
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.98 ug/l

RT: 13.86 min Scan# 1353

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

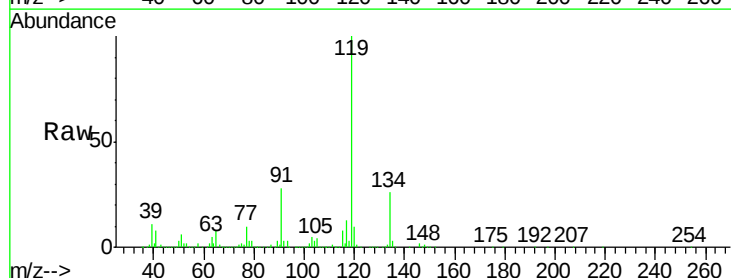
Tgt Ion:119 Resp: 451581

Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

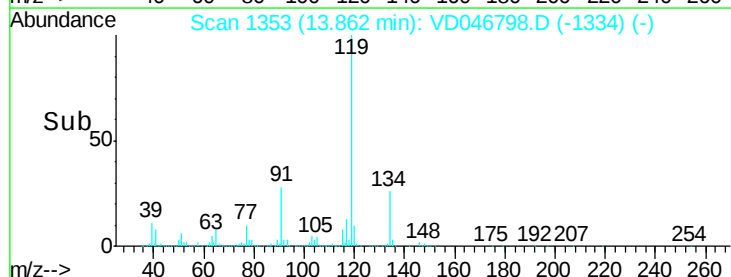
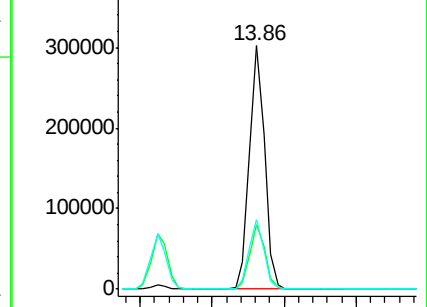
91 28.4 13.8 41.3

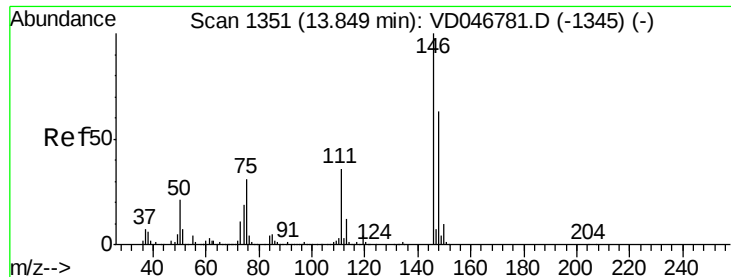


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.99 ug/l

RT: 13.83 min Scan# 1350

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

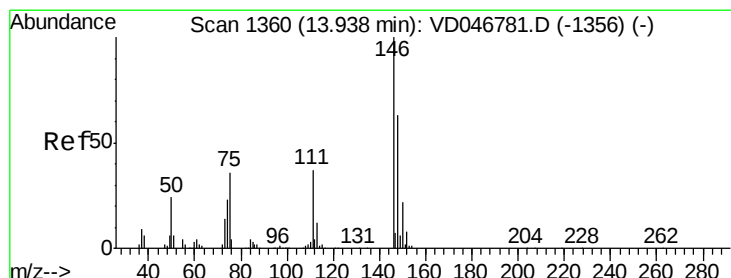
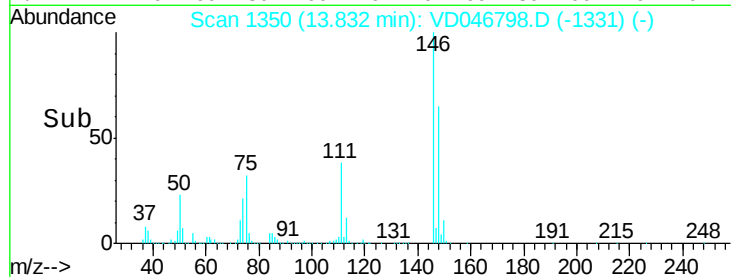
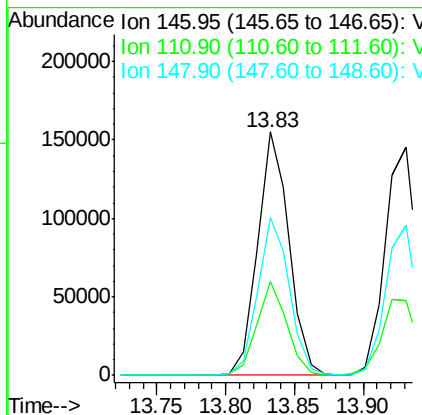
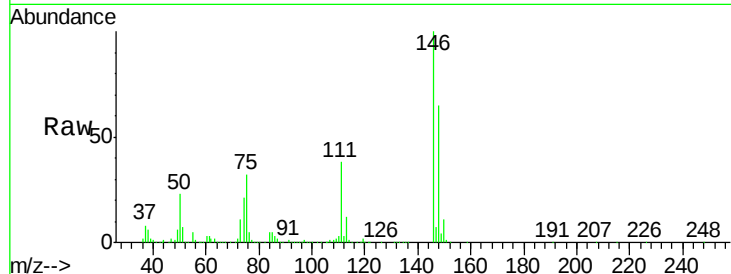
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	245460
Ion Ratio	Lower	Upper	
146	100		
111	38.3	17.4	52.2
148	64.9	33.0	99.0

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#88

1,4-Dichlorobenzene

Concen: 49.44 ug/l

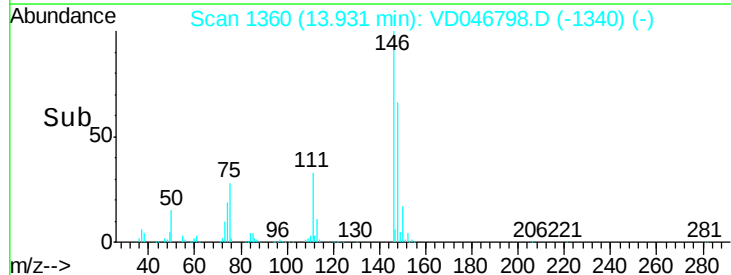
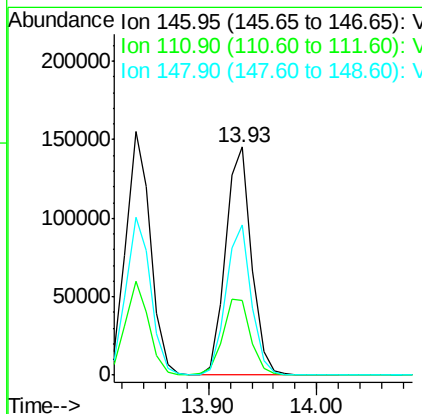
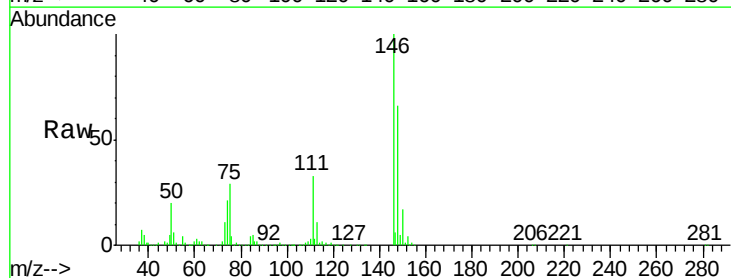
RT: 13.93 min Scan# 1360

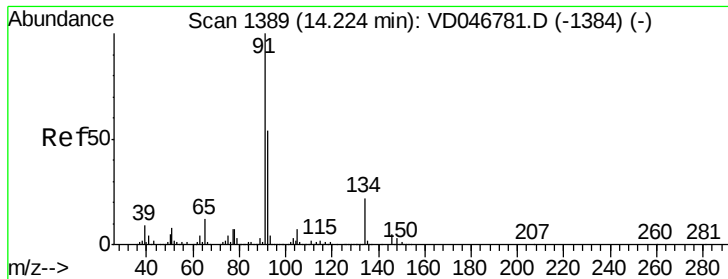
Delta R.T. -0.01 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Tgt Ion:	146	Resp:	241388
Ion Ratio	Lower	Upper	
146	100		
111	33.0	17.0	51.0
148	65.7	31.9	95.7





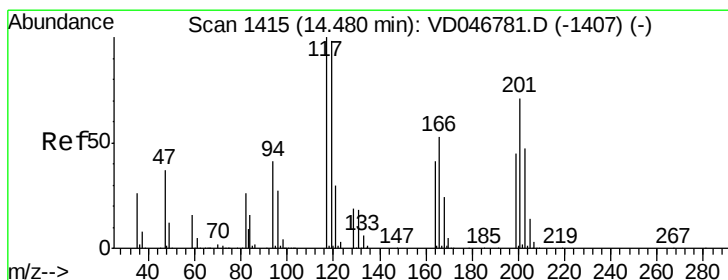
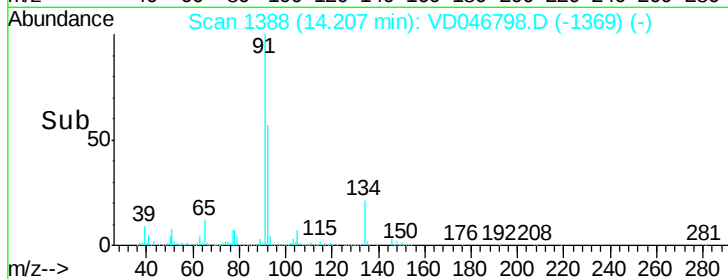
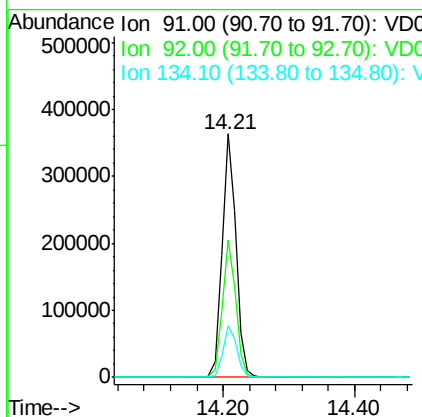
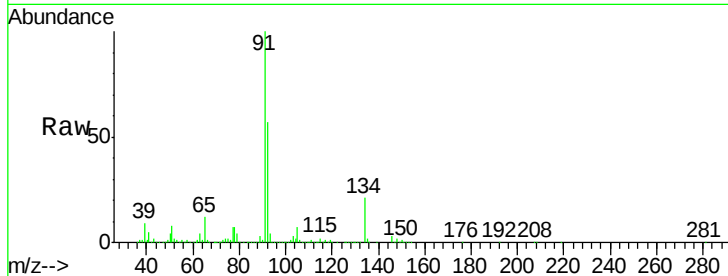
#89
n-Butylbenzene
Concen: 54.39 ug/l
RT: 14.21 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.6	27.1	81.2
134	21.2	9.6	28.6

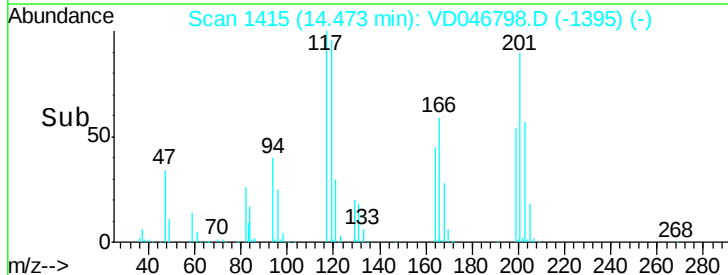
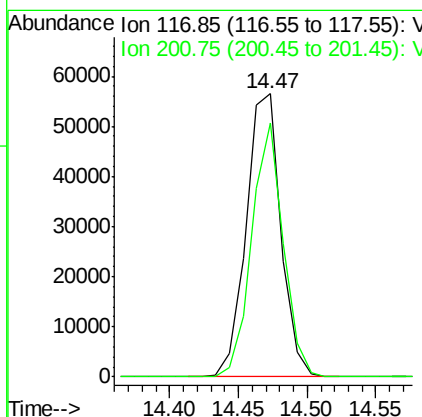
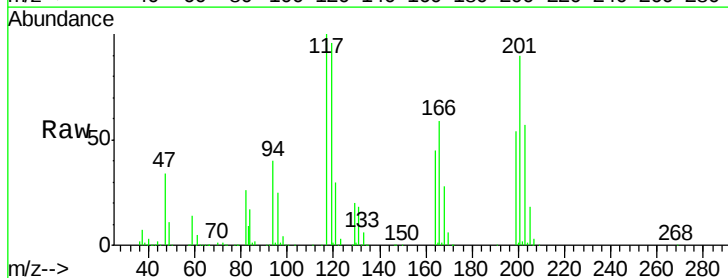
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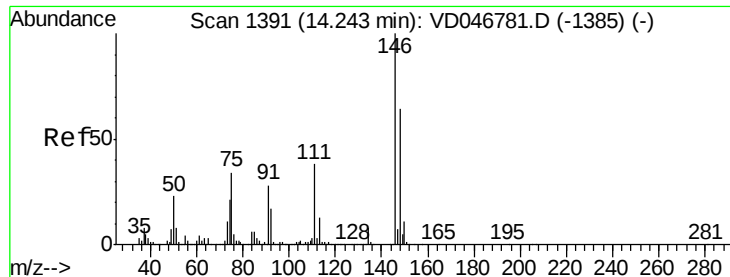
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#90
Hexachloroethane
Concen: 49.47 ug/l
RT: 14.47 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 50.38 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VD046798.D

Acq: 21 Sep 2015 10:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 207827
Ion Ratio Lower Upper

146 100

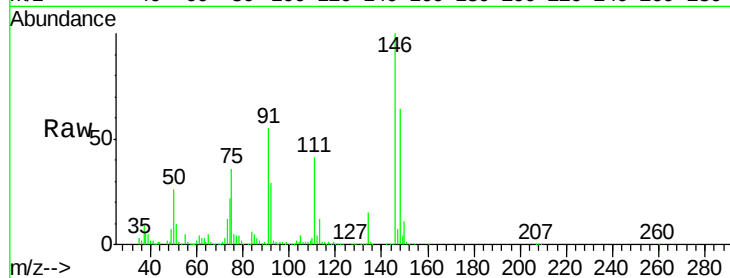
111 41.1 18.2 54.6

148 64.1 31.1 93.3

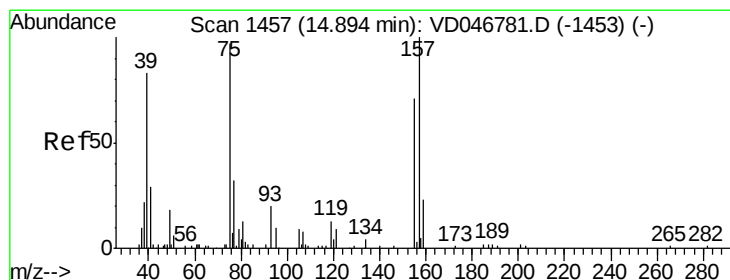
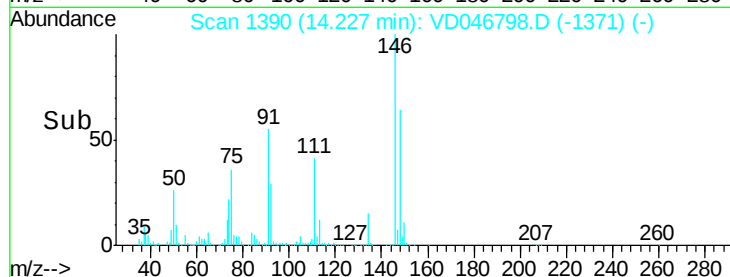
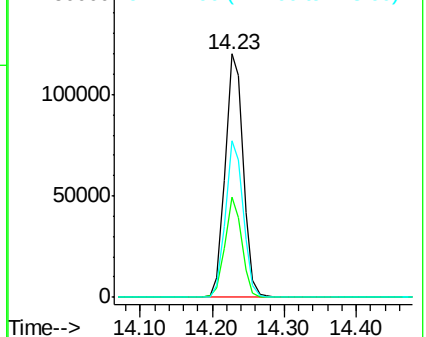
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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.80 ug/l

RT: 14.88 min Scan# 1456

Delta R.T. -0.02 min

Lab File: VD046798.D

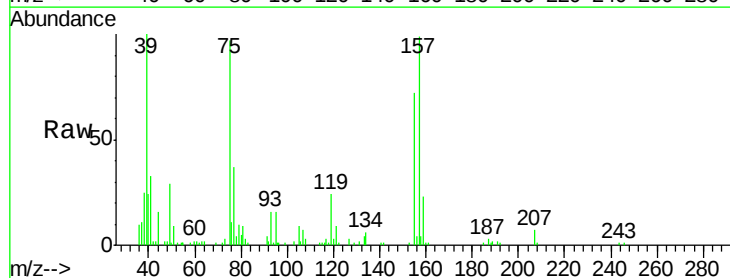
Acq: 21 Sep 2015 10:36

Tgt Ion: 75 Resp: 10593
Ion Ratio Lower Upper

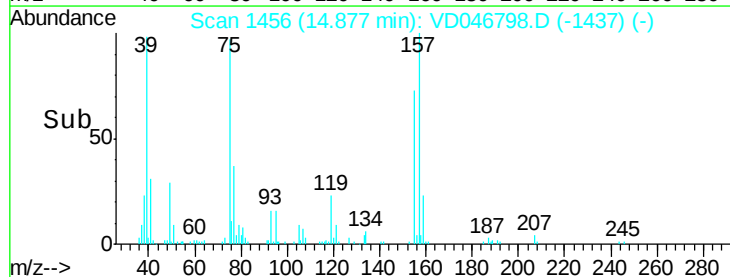
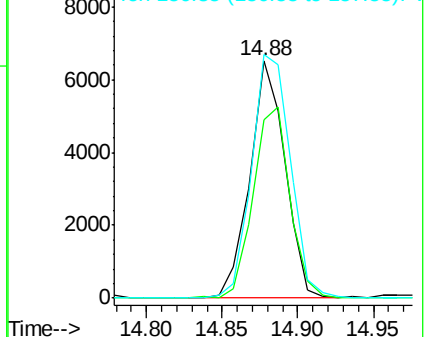
75 100

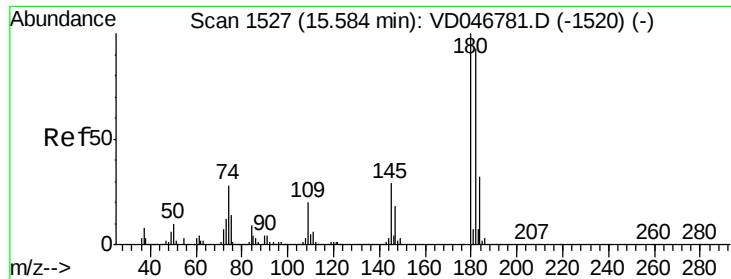
155 75.0 41.4 124.4

157 102.6 65.0 195.1



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 154.90 (154.60 to 155.60): V
Ion 156.85 (156.55 to 157.55): V





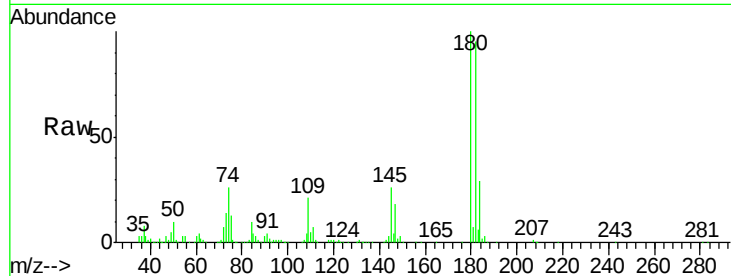
#93
 1,2,4-Trichlorobenzene
 Concen: 56.30 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

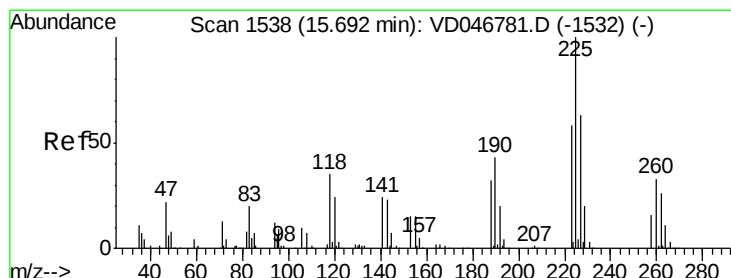
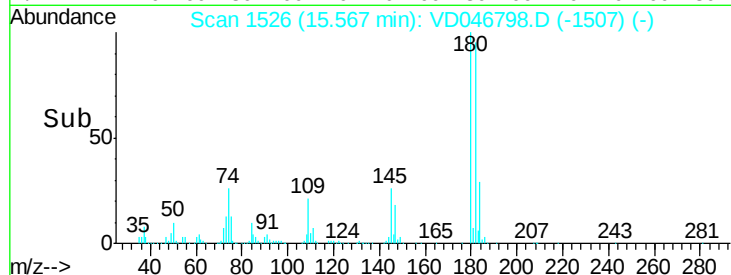
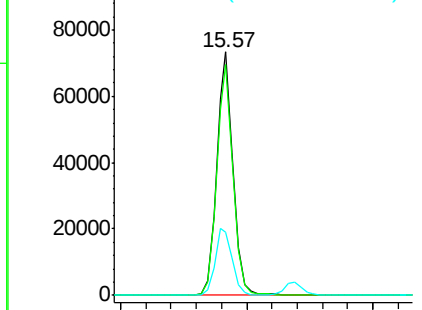
Tot Ion	Ratio	Resp	Lower	Upper
180	100	133719		
182	94.7	47.5	142.5	
145	25.9	14.6	44.0	

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 12:41:05 PM

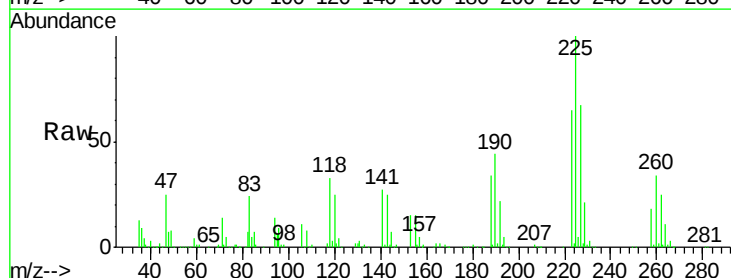


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

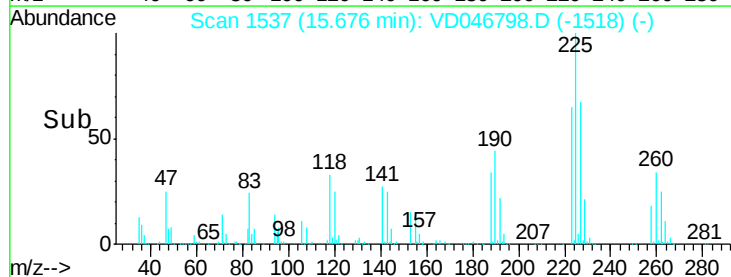
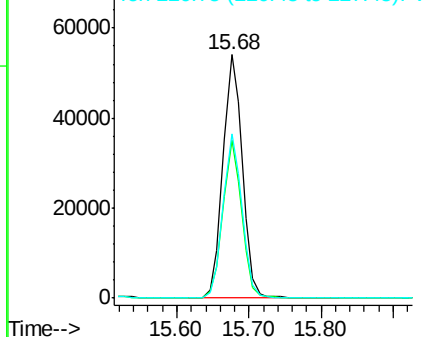


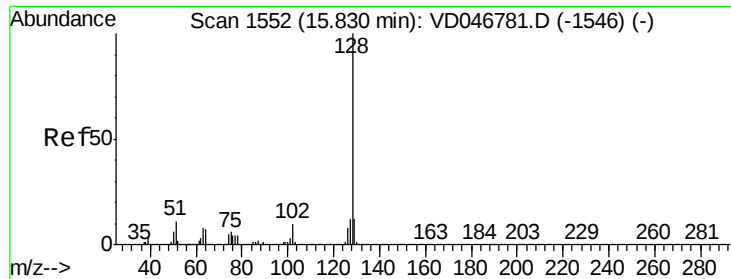
#94
 Hexachlorobutadiene
 Concen: 51.57 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046798.D
 Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100837		
223	64.6	30.4	91.2	
227	67.5	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





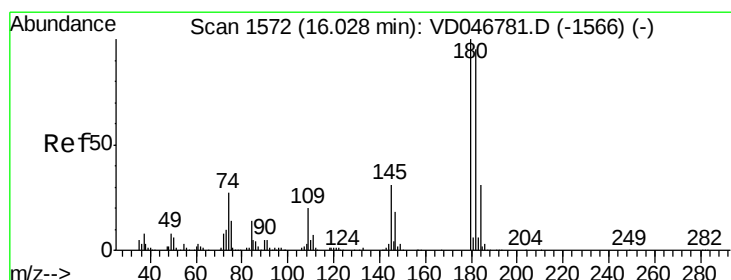
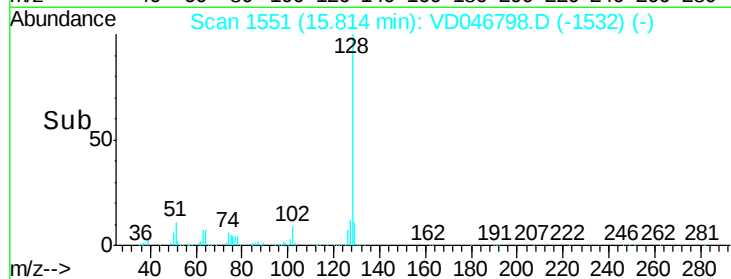
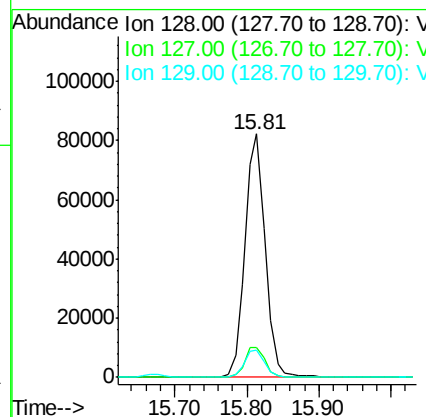
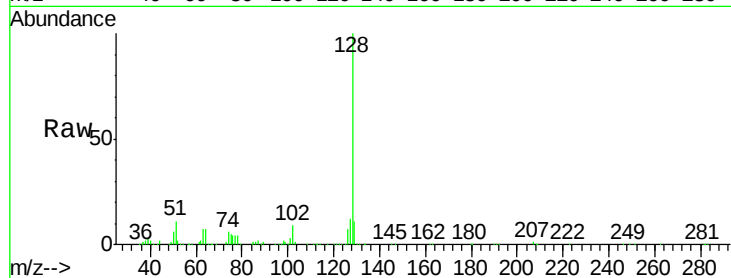
#95
Naphthalene
Concen: 51.39 ug/l
RT: 15.81 min Scan# 1551
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	161763		
127	12.2	9.8	14.6	
129	11.1	8.6	12.8	

Manual Integrations
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9/22/2015 12:41:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.45 ug/l
RT: 16.01 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VD046798.D
Acq: 21 Sep 2015 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	106070		
182	93.7	47.4	142.3	
145	29.1	15.4	46.4	

