

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2015 12:56:40 PM

Quant Time: Sep 24 01:53:58 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

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

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.70	65	113624	57.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	115.50%	
35) Dibromofluoromethane	6.19	113	102808	59.21	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	118.42%	
50) Toluene-d8	9.60	98	333985	60.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	121.96%	
62) 4-Bromofluorobenzene	12.84	95	140952	63.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	127.82%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.41	85	86894	50.53	ug/l	100
3) Chlorodifluoromethane	1.43	51	69289	48.13	ug/l #	86
4) Chloromethane	1.57	50	45142	40.47	ug/l	97
5) Vinyl Chloride	1.67	62	47191	45.04	ug/l	99
6) Bromomethane	1.96	94	47489	52.56	ug/l	94
7) Chloroethane	2.07	64	33870	51.65	ug/l	96
8) Trichlorofluoromethane	2.32	101	172920	55.80	ug/l	100
9) Diethyl Ether	2.62	74	26448	48.14	ug/l	87
10) 1,1,2-Trichlorotrifluoroet	2.88	101	94864	48.92	ug/l	97
11) Methyl Iodide	3.04	142	102564	45.45	ug/l #	88
12) Tert butyl alcohol	3.67	59	12902	198.85	ug/l	95
13) 1,1-Dichloroethene	2.86	96	71497	47.16	ug/l	96
14) Acrolein	2.76	56	21759	216.48	ug/l	87
15) Allyl chloride	3.31	41	134166	43.59	ug/l #	75
16) Acrylonitrile	3.82	53	50659	220.52	ug/l	91
17) Acetone	2.93	43	85645	257.63	ug/l	99
18) Carbon Disulfide	3.12	76	240181	42.29	ug/l	100
19) Methyl Acetate	3.32	43	88089	45.74	ug/l	97
20) Methyl tert-butyl Ether	3.88	73	129556	54.55	ug/l #	88
21) Methylene Chloride	3.49	84	80106	44.38	ug/l	88
22) trans-1,2-Dichloroethene	3.88	96	80242	46.94	ug/l	96
23) Diisopropyl ether	4.64	45	250416	49.01	ug/l	90
24) Vinyl Acetate	4.59	43	280998m	235.52	ug/l	
25) 1,1-Dichloroethane	4.54	63	148642	47.22	ug/l	99
26) 2-Butanone	5.43	43	93495	250.24	ug/l	99
27) 2,2-Dichloropropane	5.40	77	174334	53.90	ug/l	97
28) cis-1,2-Dichloroethene	5.41	96	87584	49.21	ug/l	95
29) Bromochloromethane	5.77	49	57572	46.42	ug/l	87
30) Chloroform	5.96	83	201698	52.82	ug/l	97
31) Cyclohexane	6.25	56	128399	43.47	ug/l	87
32) 1,1,1-Trichloroethane	6.16	97	184797	54.36	ug/l	99
36) 1,1-Dichloropropene	6.41	75	144229	55.62	ug/l	98
37) Ethyl Acetate	5.52	43	41105	49.35	ug/l #	96
38) Carbon Tetrachloride	6.39	117	158109	58.67	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	149629	56.94	ug/l	94
40) Benzene	6.71	78	344442	52.03	ug/l	99
41) Methacrylonitrile	5.74	41	25213	53.96	ug/l #	93
42) 1,2-Dichloroethane	6.81	62	128337	62.41	ug/l	94
43) Isopropyl Acetate	8.39	43	57586	52.44	ug/l #	99
44) Trichloroethene	7.73	130	90076	54.35	ug/l	100
45) 1,2-Dichloropropane	8.13	63	85445	52.09	ug/l	99
46) Dibromomethane	8.25	93	54372	58.38	ug/l	97
47) Bromodichloromethane	8.55	83	145241	59.42	ug/l #	99
48) Methyl methacrylate	8.07	41	92564	55.13	ug/l #	88
49) 1,4-Dioxane	8.27	88	6345	1021.68	ug/l #	86
51) 4-Methyl-2-Pentanone	9.47	43	232034	292.44	ug/l	98
52) Toluene	9.70	92	234930	57.53	ug/l	99
53) t-1,3-Dichloropropene	10.11	75	109877	60.88	ug/l	96
54) cis-1,3-Dichloropropene	9.22	75	135139	58.15	ug/l	95
55) 1,1,2-Trichloroethane	10.38	97	61563	58.23	ug/l	97
56) Ethyl methacrylate	10.22	69	58201	52.83	ug/l	95
57) 1,3-Dichloropropane	10.59	76	112038	56.98	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.01	63	135423	259.51	ug/l	97
59) 2-Hexanone	10.70	43	176732	308.30	ug/l	95
60) Dibromochloromethane	10.88	129	89228	61.49	ug/l	100
61) 1,2-Dibromoethane	11.00	107	59228	56.74	ug/l	96
64) Tetrachloroethene	10.45	164	92237	51.10	ug/l	94
65) Chlorobenzene	11.59	112	241724	51.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.71	131	95558	55.31	ug/l	99
67) Ethyl Benzene	11.72	91	522278	55.26	ug/l	99
68) m/p-Xylenes	11.87	106	329319	110.47	ug/l	91
69) o-Xylene	12.28	106	150432	56.06	ug/l	87
70) Styrene	12.30	104	264126	56.77	ug/l	98
71) Bromoform	12.49	173	53183	57.80	ug/l	96
73) Isopropylbenzene	12.66	105	470872	51.54	ug/l	100
74) N-amyl acetate	12.49	43	99079	43.77	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.97	83	74492	50.53	ug/l	97
76) 1,2,3-Trichloropropane	13.02	75	80835	51.25	ug/l	98
77) Bromobenzene	12.97	156	113421	49.37	ug/l	88
78) n-propylbenzene	13.07	91	678419	52.59	ug/l	99
79) 2-Chlorotoluene	13.15	91	370070	51.67	ug/l	98
80) 1,3,5-Trimethylbenzene	13.24	105	383182	52.64	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.73	75	20997	48.49	ug/l	96
82) 4-Chlorotoluene	13.27	91	440653	51.69	ug/l	99
83) tert-Butylbenzene	13.53	119	360078m	54.86	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	387747	52.91	ug/l	99
85) sec-Butylbenzene	13.72	105	510780	52.94	ug/l	94
86) p-Isopropyltoluene	13.86	119	405585	53.49	ug/l	97
87) 1,3-Dichlorobenzene	13.83	146	220982	51.56	ug/l	97
88) 1,4-Dichlorobenzene	13.93	146	219550	51.51	ug/l	99
89) n-Butylbenzene	14.21	91	475159	55.50	ug/l	100
90) Hexachloroethane	14.47	117	87484	49.77	ug/l	91
91) 1,2-Dichlorobenzene	14.24	146	189239	52.56	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.89	75	10179	53.72	ug/l	87

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

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

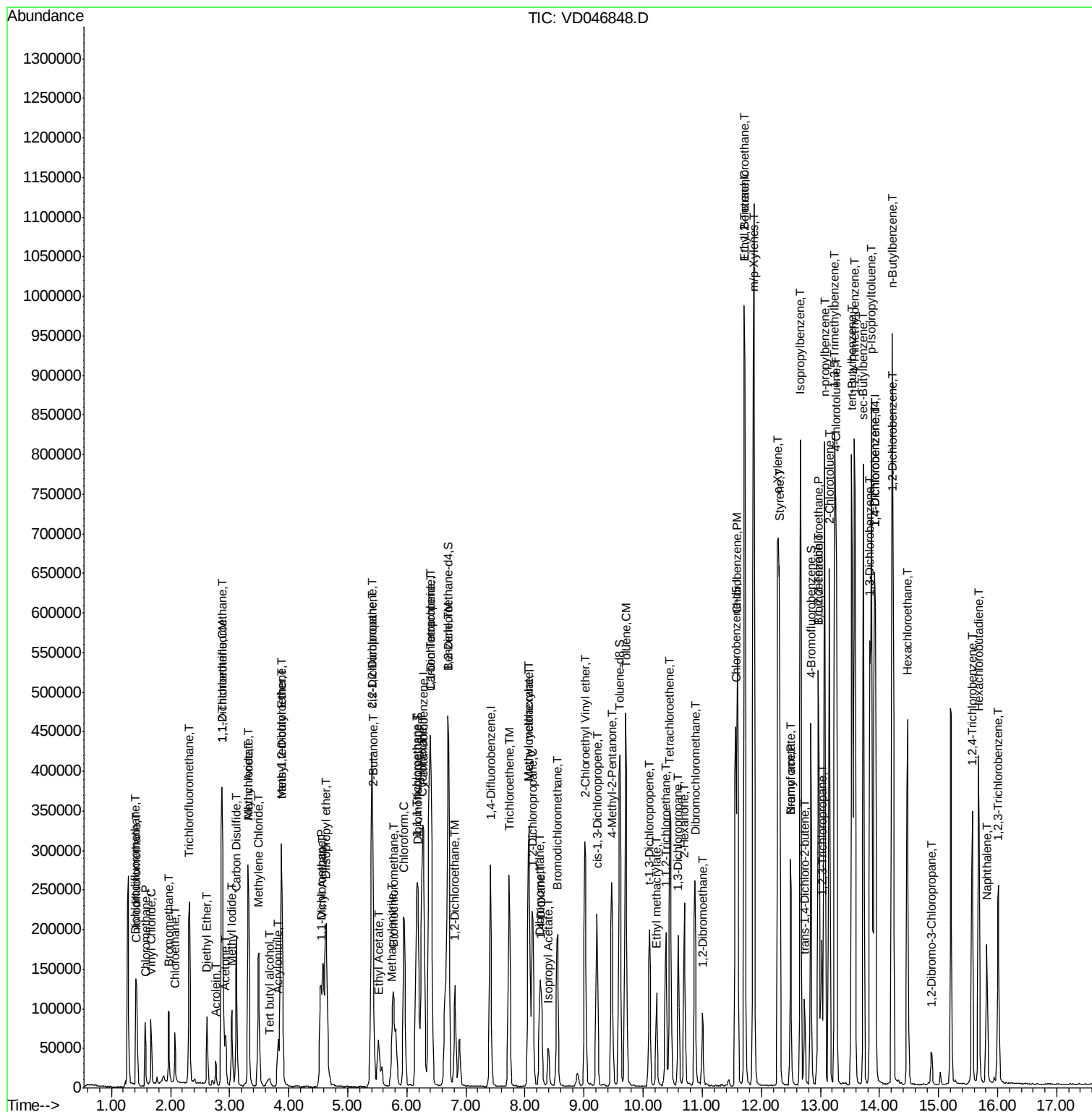
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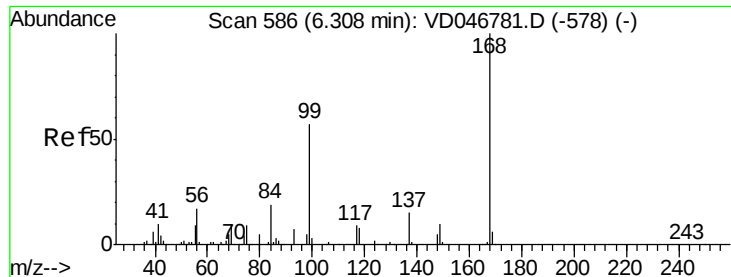
Instrument :
MSVOA_D
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 189230

Ion Ratio Lower Upper

168 100

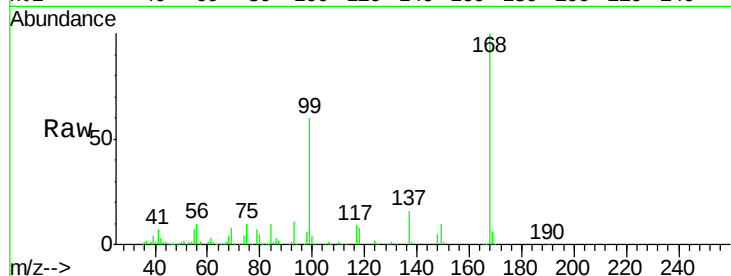
99 60.0 42.4 63.6

Manual Integrations

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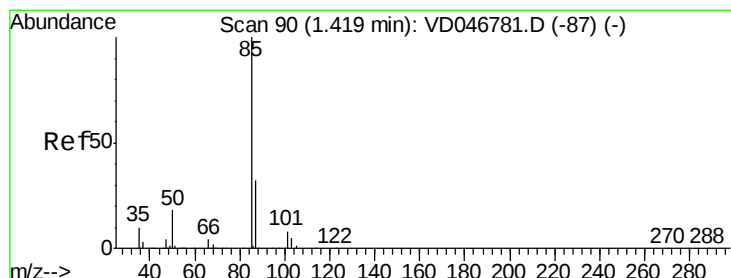
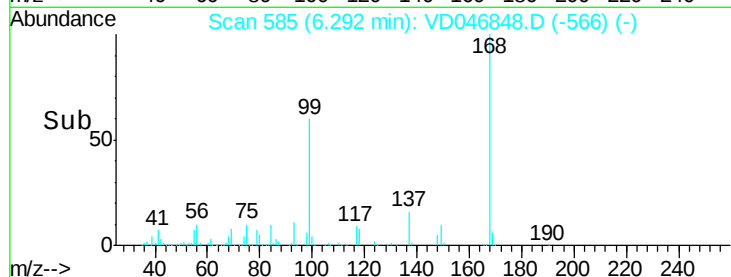
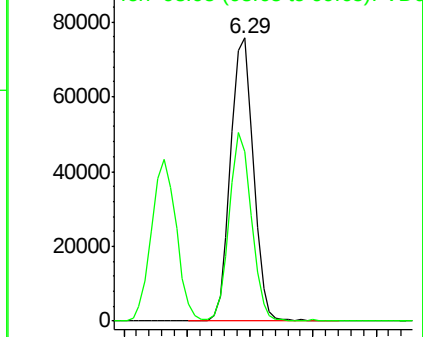
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.53 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046848.D

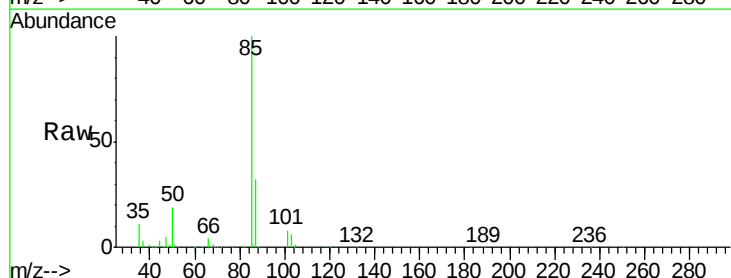
Acq: 23 Sep 2015 10:49

Tgt Ion: 85 Resp: 86894

Ion Ratio Lower Upper

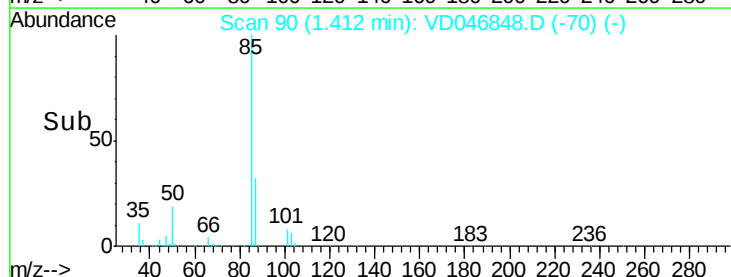
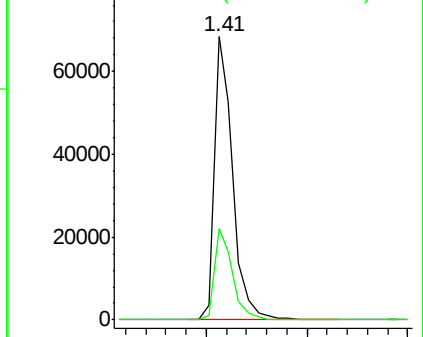
85 100

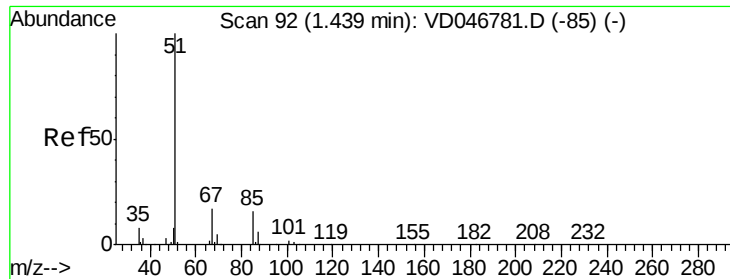
87 32.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 48.13 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 51 Resp: 69289

Ion Ratio Lower Upper

51 100

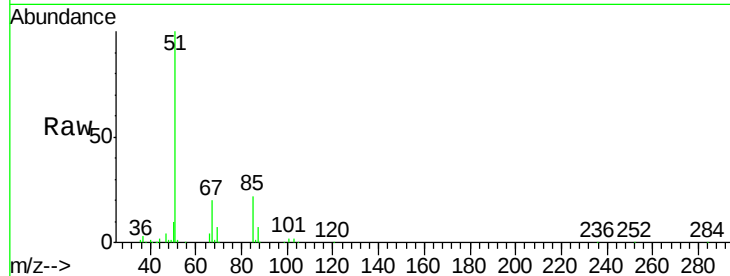
67 19.1 10.9 16.3#

Manual Integrations

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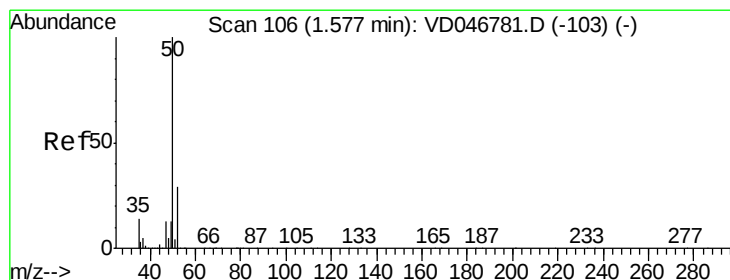
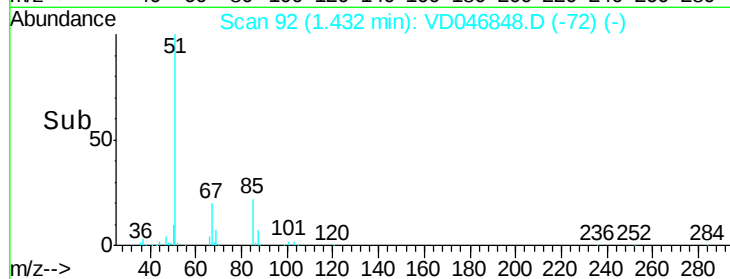
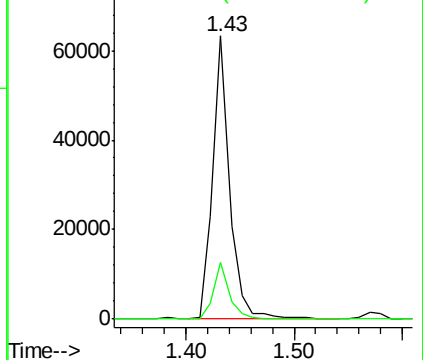
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9/24/2015 12:56:40 PM



Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 40.47 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046848.D

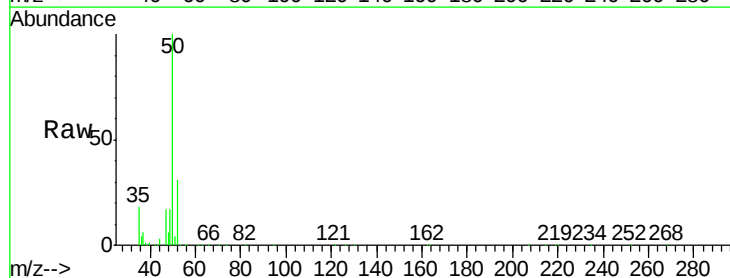
Acq: 23 Sep 2015 10:49

Tgt Ion: 50 Resp: 45142

Ion Ratio Lower Upper

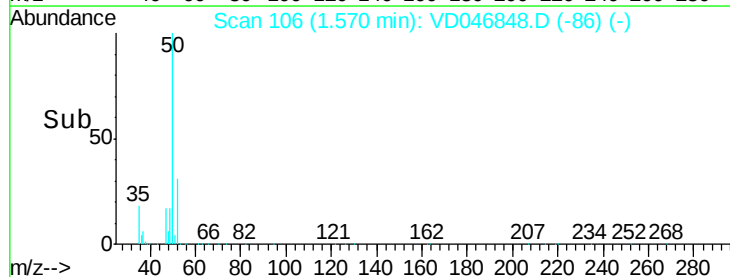
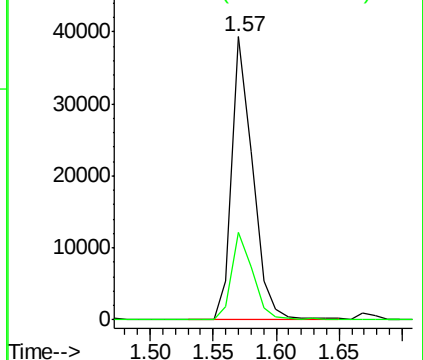
50 100

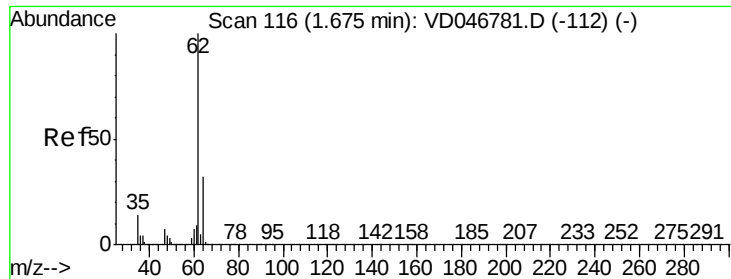
52 30.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 45.04 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

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Acq: 23 Sep 2015 10:49

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Tot Ion: 62 Resp: 47191

Ion Ratio Lower Upper

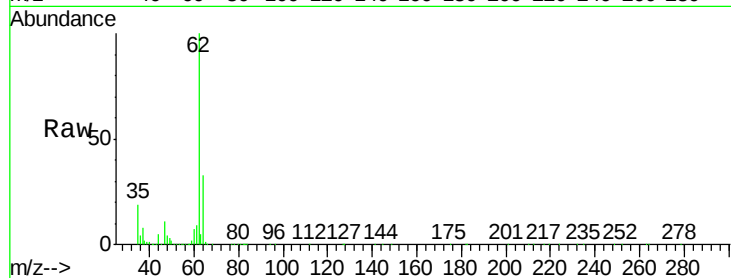
62 100

64 33.4 26.4 39.6

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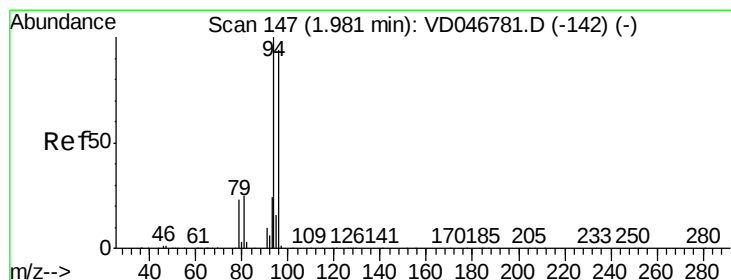
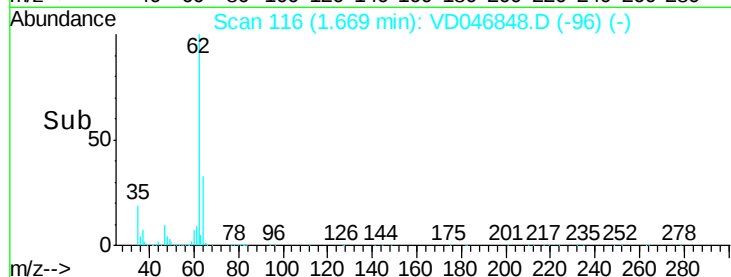
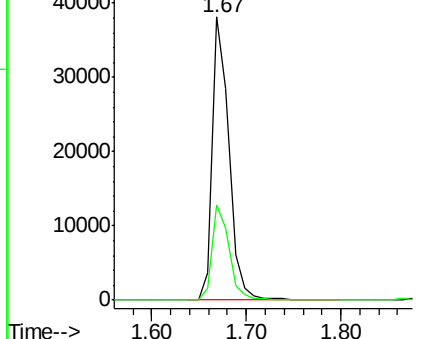
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9/24/2015 12:56:40 PM



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 52.56 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046848.D

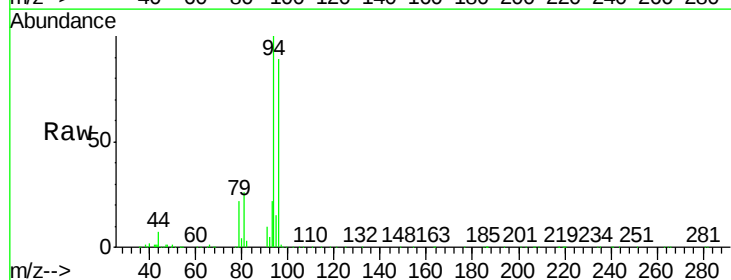
Acq: 23 Sep 2015 10:49

Tgt Ion: 94 Resp: 47489

Ion Ratio Lower Upper

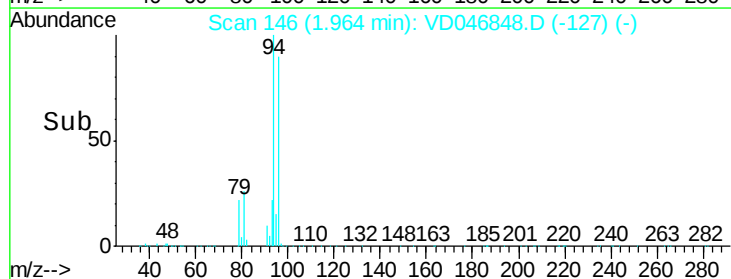
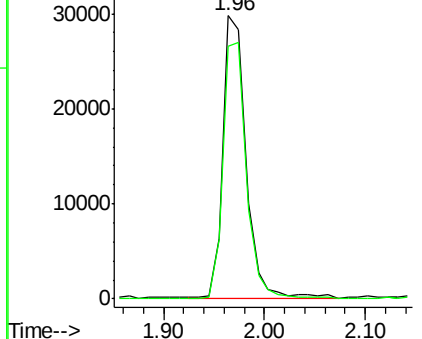
94 100

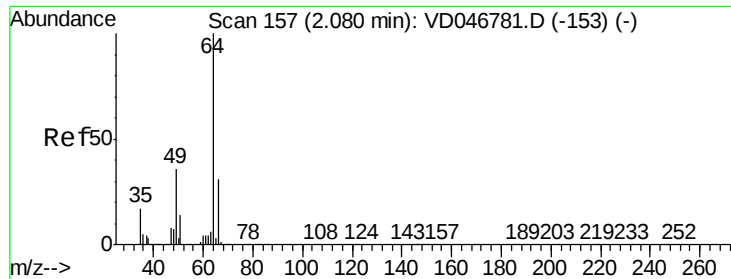
96 89.3 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 51.65 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 64 Resp: 33870

Ion Ratio Lower Upper

64 100

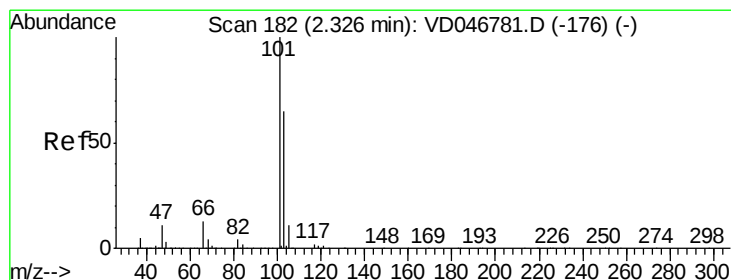
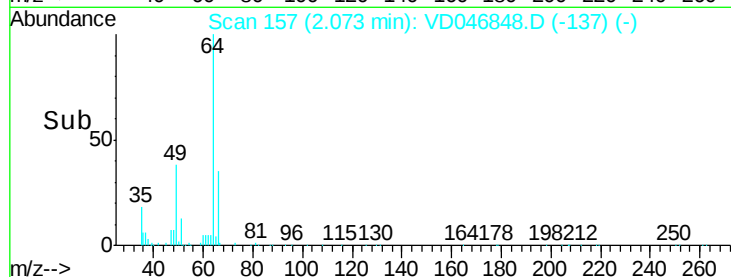
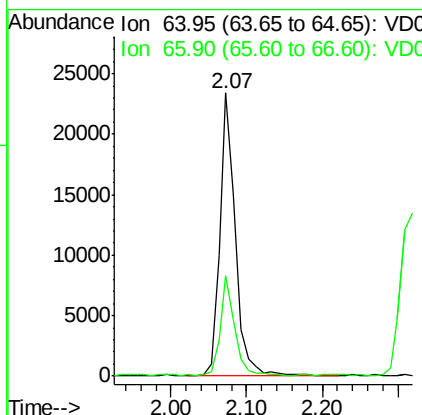
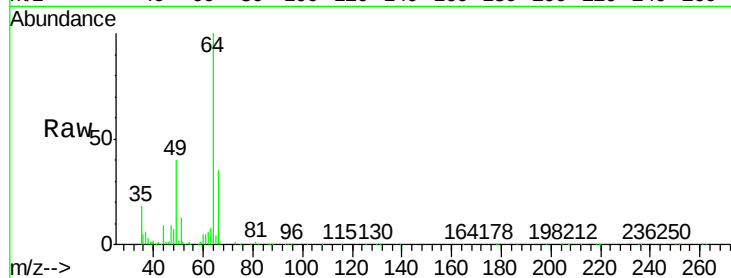
66 35.4 26.6 39.8

Manual Integrations

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9/24/2015 12:56:40 PM



#8

Trichlorofluoromethane

Concen: 55.80 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046848.D

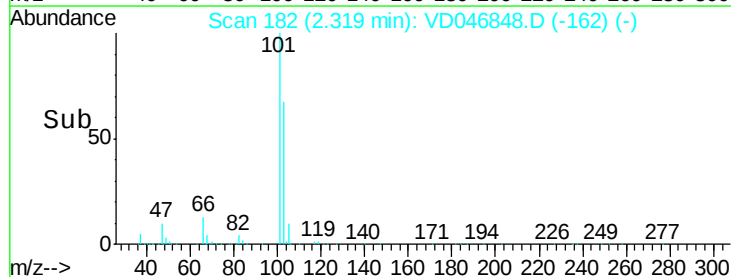
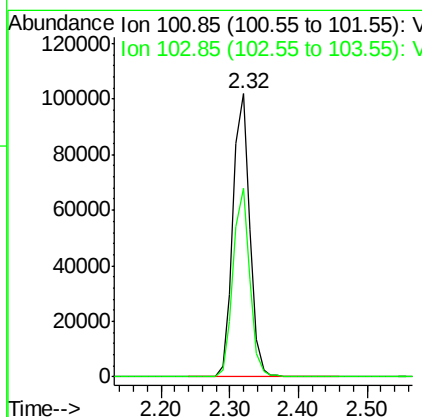
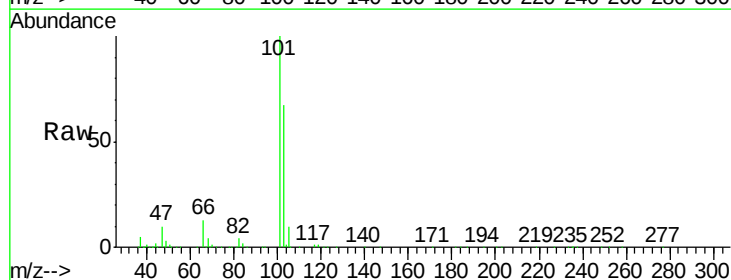
Acq: 23 Sep 2015 10:49

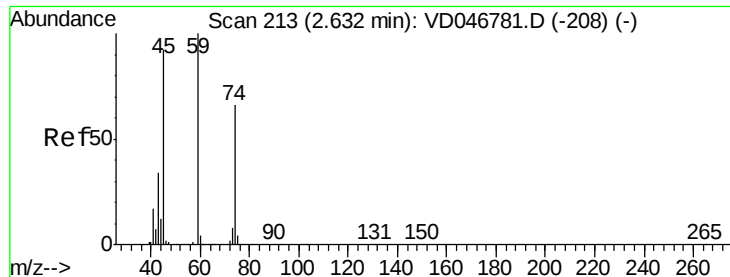
Tgt Ion: 101 Resp: 172920

Ion Ratio Lower Upper

101 100

103 66.8 53.2 79.8





#9

Diethyl Ether

Concen: 48.14 ug/l

RT: 2.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 74 Resp: 26448

Ion Ratio Lower Upper

74 100

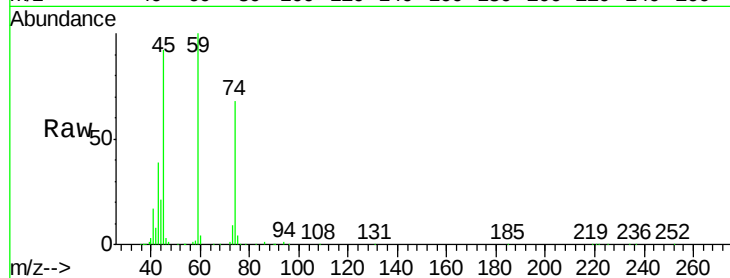
45 135.7 76.2 228.6

Manual Integrations

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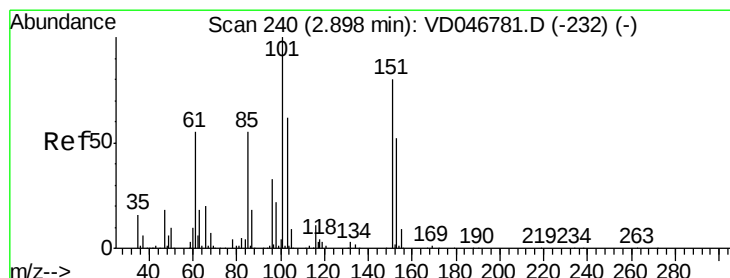
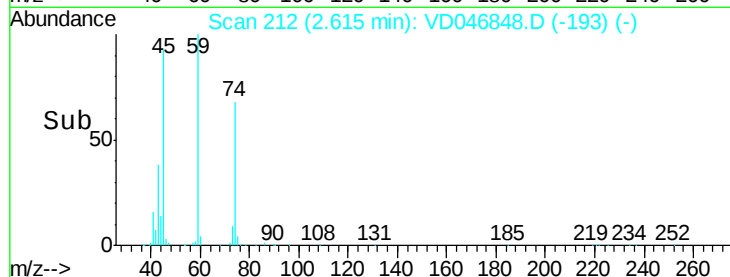
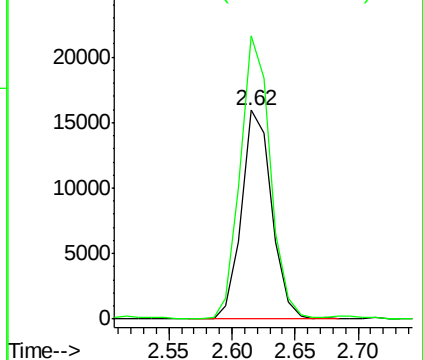
MMDadoda

9/24/2015 12:56:40 PM



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: 48.92 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

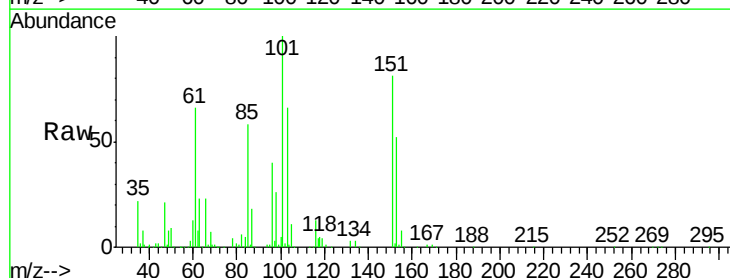
Tgt Ion: 101 Resp: 94864

Ion Ratio Lower Upper

101 100

85 57.6 42.0 63.0

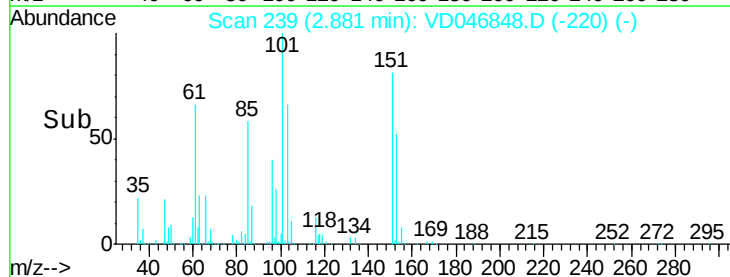
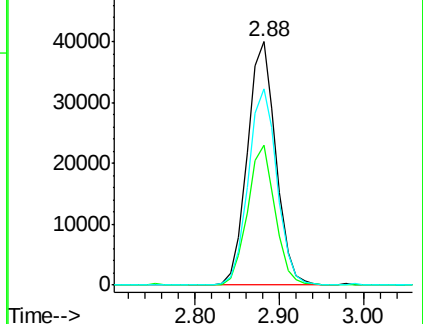
151 80.8 65.2 97.8

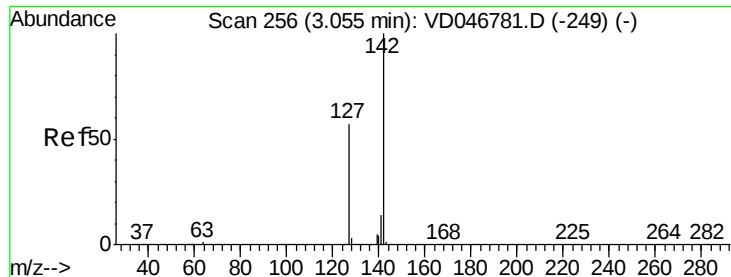


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





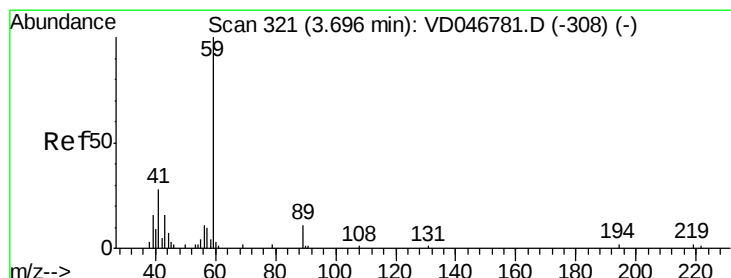
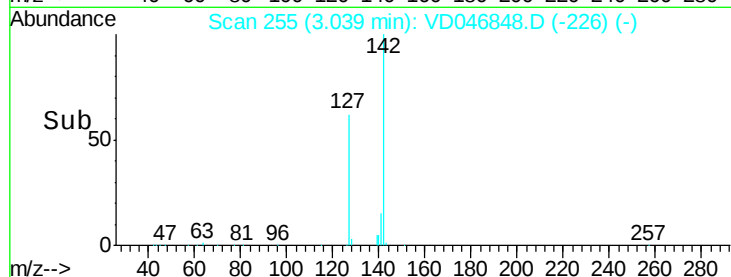
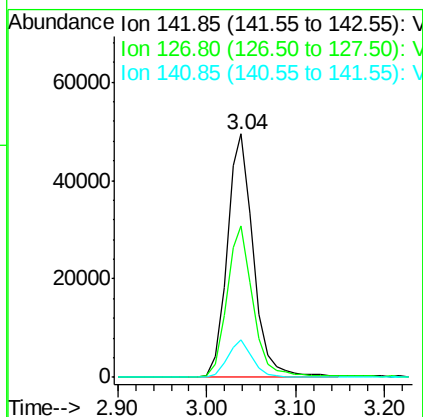
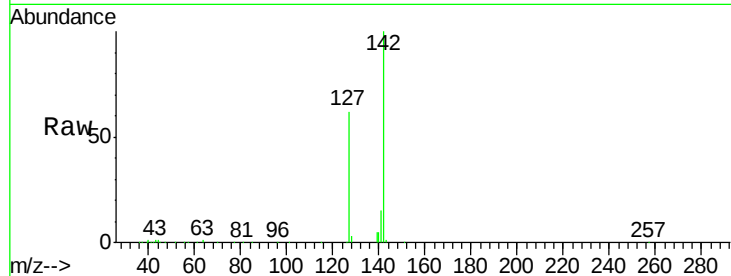
#11
Methvl Iodide
Concen: 45.45 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

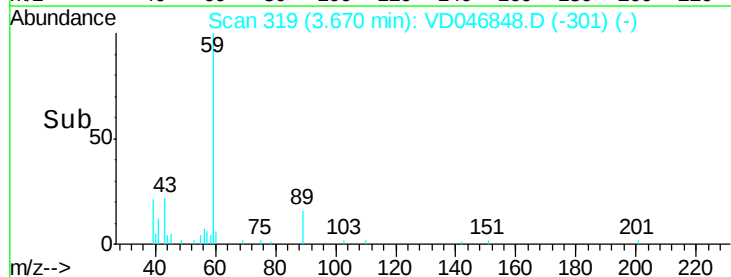
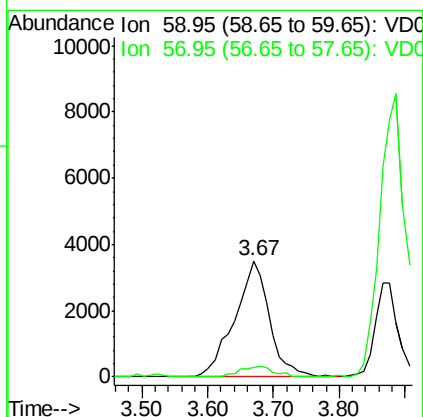
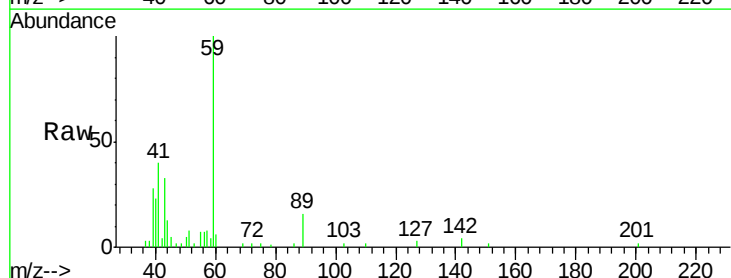
Manual Integrations
APPROVED

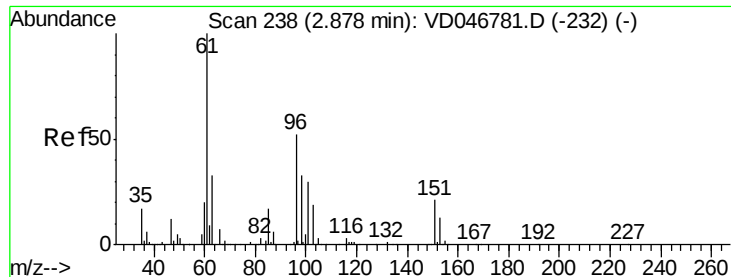
MMDadoda
9/24/2015 12:56:40 PM



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

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.8	7.8	11.6





#13

1,1-Dichloroethene

Concen: 47.16 ug/l

RT: 2.86 min Scan# 237

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

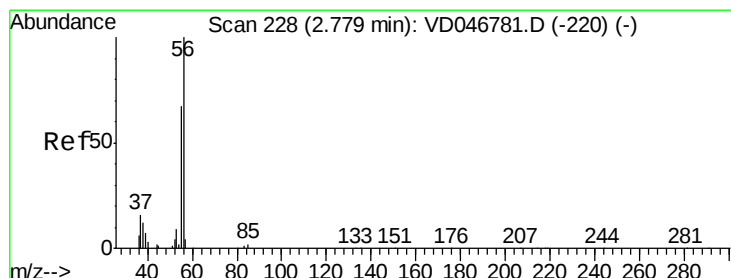
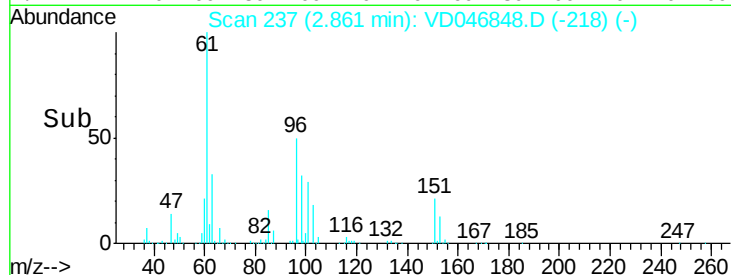
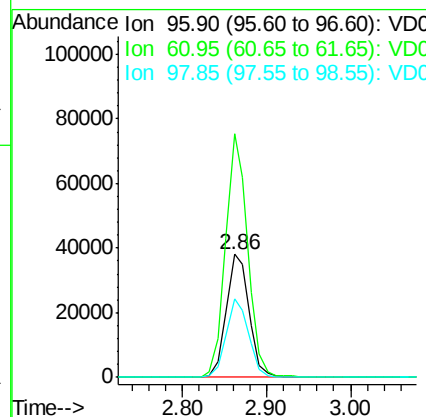
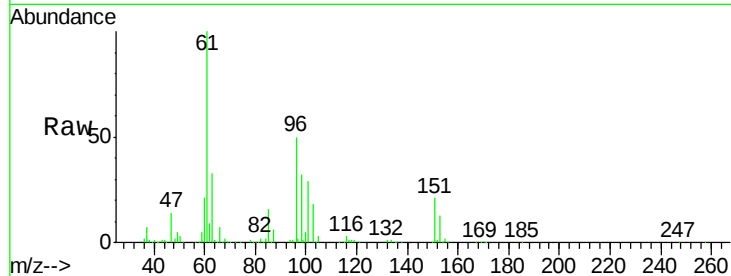
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	71497
Ion	Ratio	Lower	Upper
96	100		
61	198.2	152.2	228.4
98	63.8	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
9/24/2015 12:56:40 PM



#14

Acrolein

Concen: 216.48 ug/l

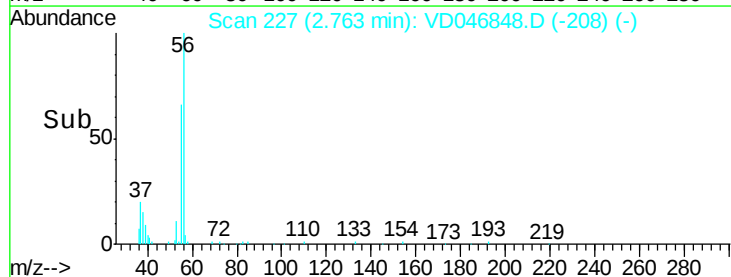
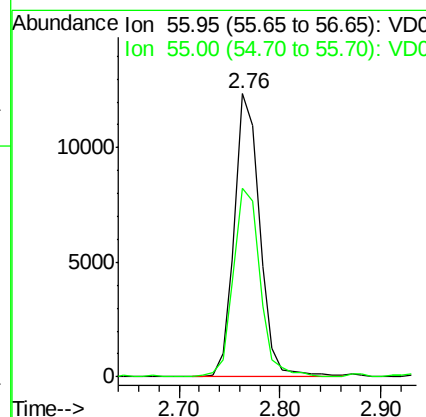
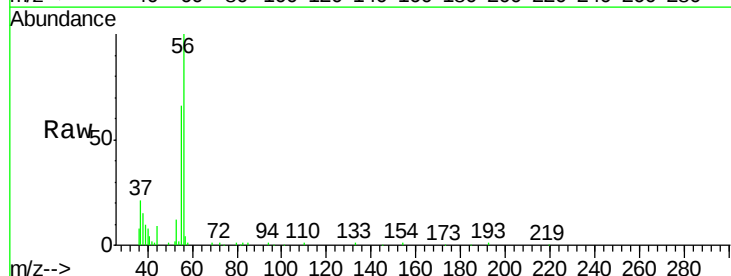
RT: 2.76 min Scan# 227

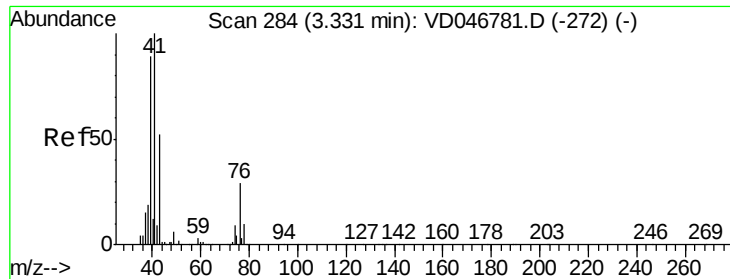
Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion:	56	Resp:	21759
Ion	Ratio	Lower	Upper
56	100		
55	66.5	62.6	93.8





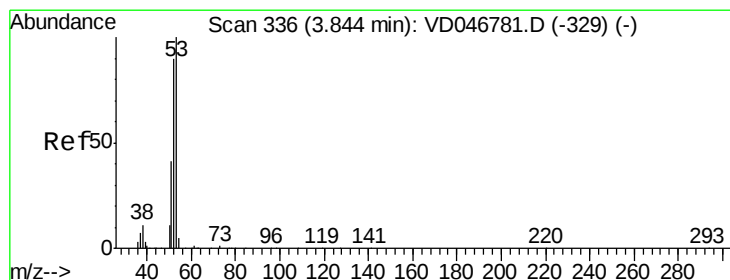
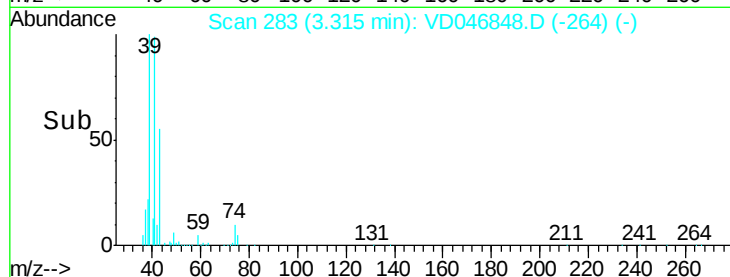
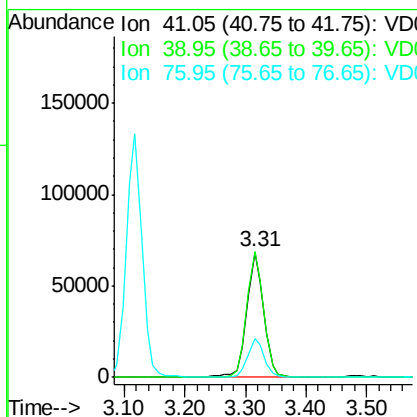
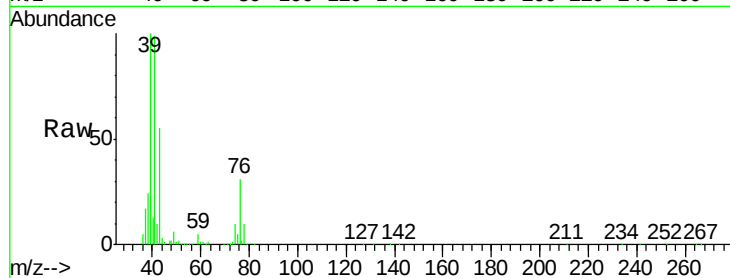
#15
Allvl chloride
Concen: 43.59 ug/l
RT: 3.31 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

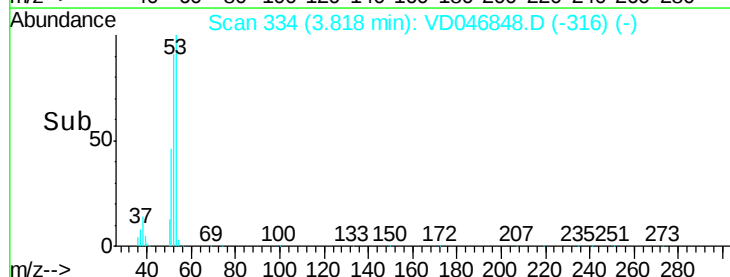
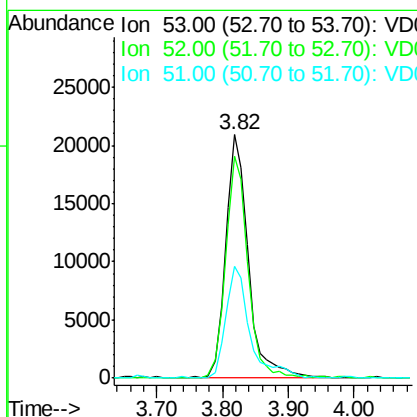
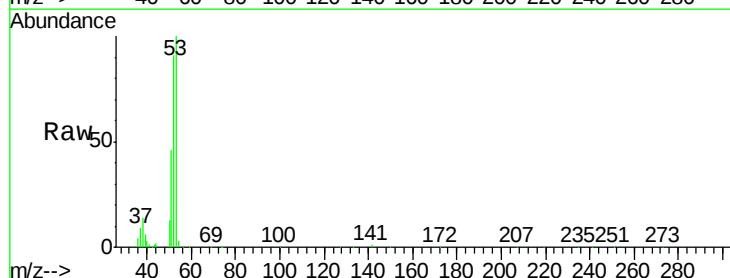
Manual Integrations
APPROVED

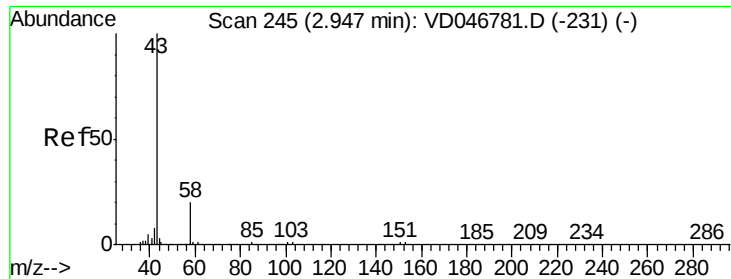
MMDadoda
9/24/2015 12:56:40 PM



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

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





#17

Acetone

Concen: 257.63 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 85645

Ion Ratio Lower Upper

43 100

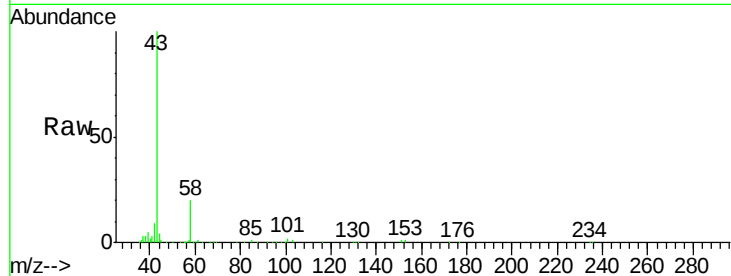
58 20.1 16.6 24.8

Manual Integrations

APPROVED

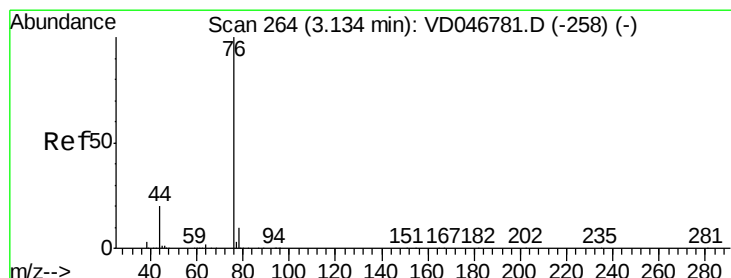
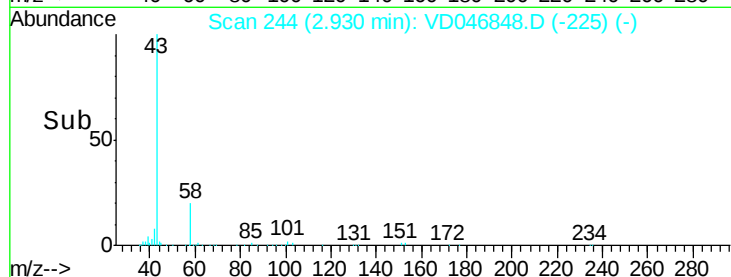
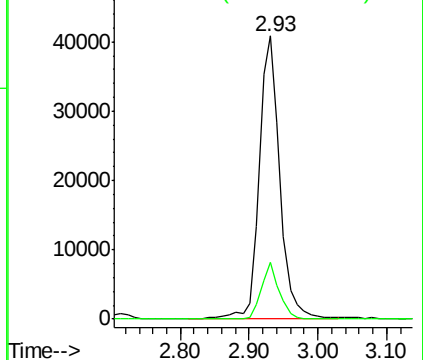
MMDadoda

9/24/2015 12:56:40 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 42.29 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046848.D

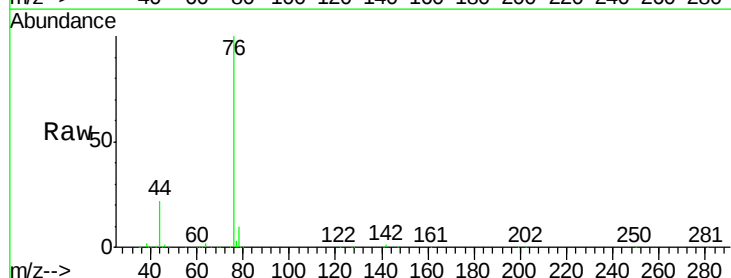
Acq: 23 Sep 2015 10:49

Tgt Ion: 76 Resp: 240181

Ion Ratio Lower Upper

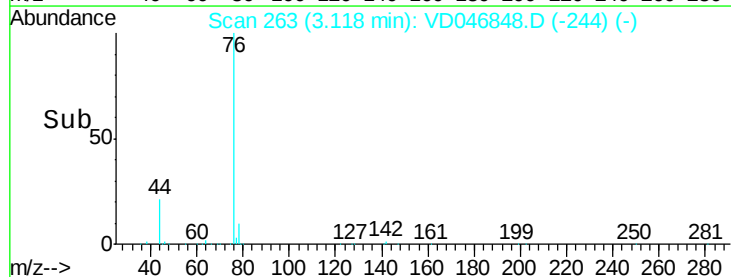
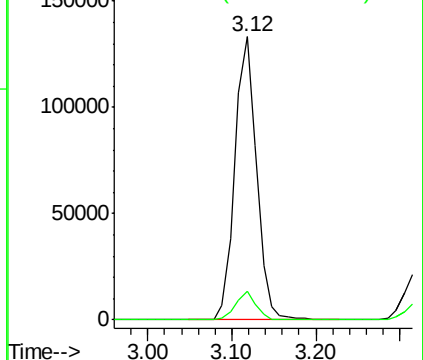
76 100

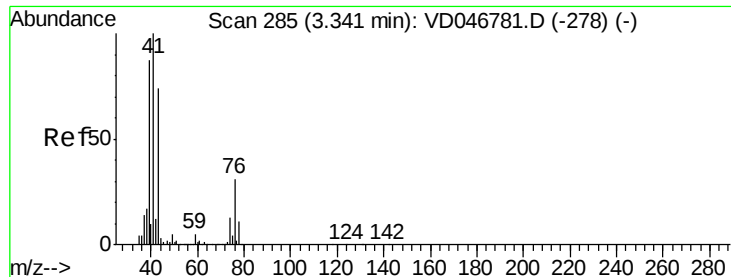
78 10.0 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





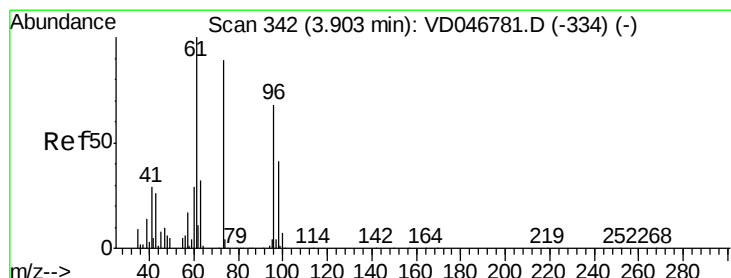
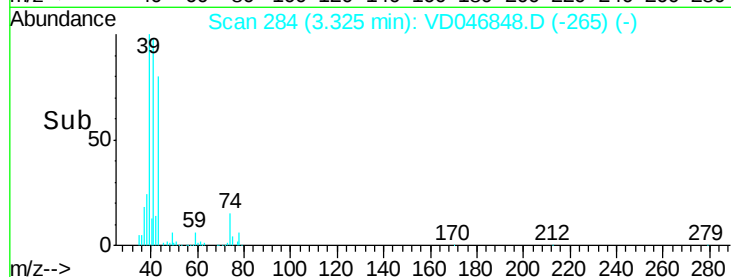
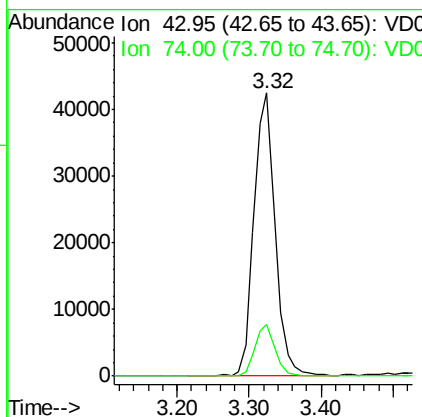
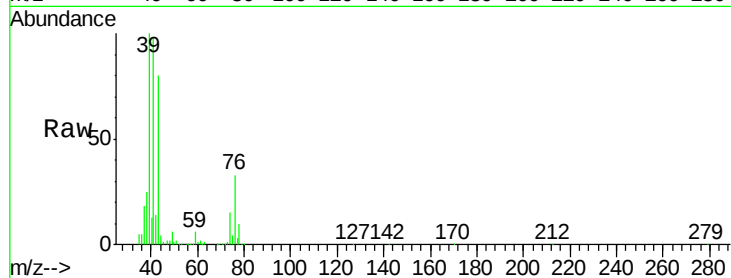
#19
Methvl Acetate
Concen: 45.74 ug/l
RT: 3.32 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

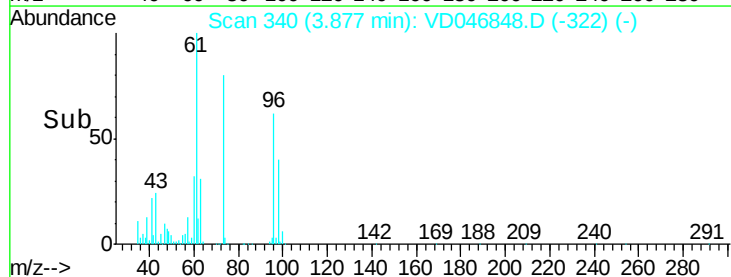
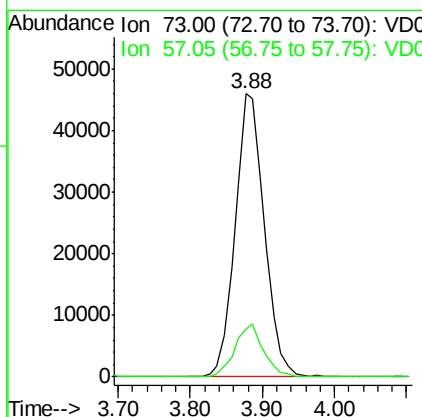
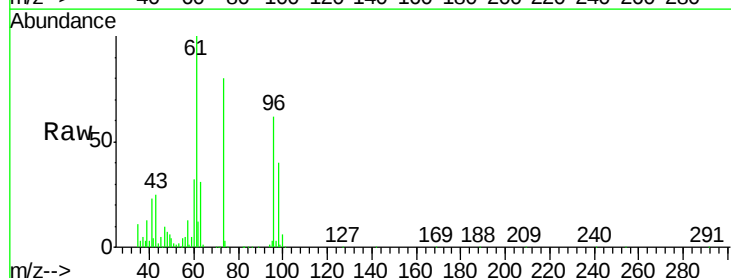
Manual Integrations
APPROVED

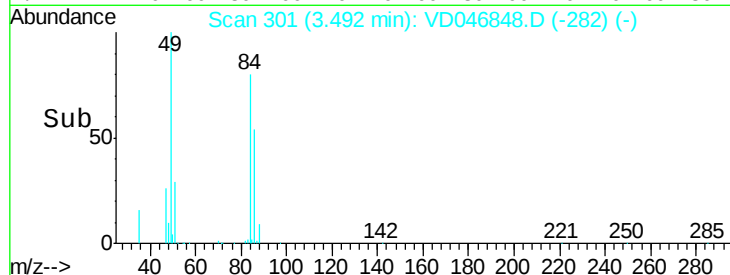
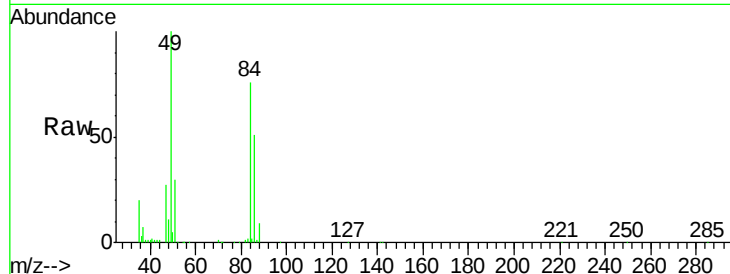
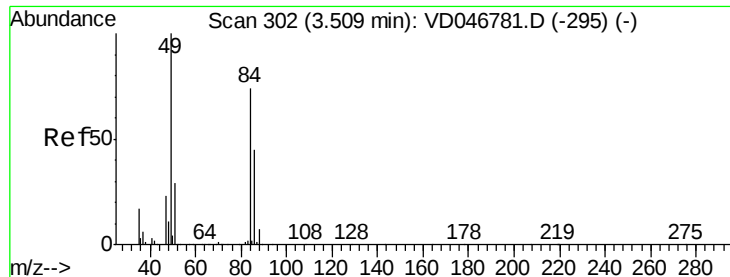
MMDadoda
9/24/2015 12:56:40 PM



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

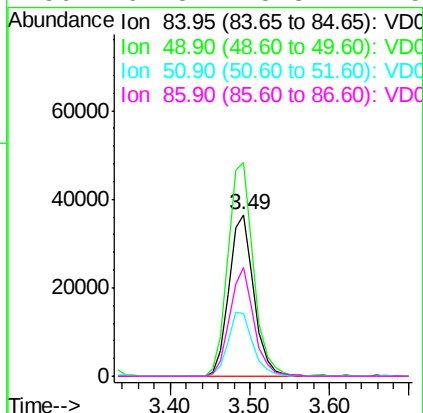
Tgt Ion: 73 Resp: 129556
Ion Ratio Lower Upper
73 100
57 16.9 18.1 27.1#





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

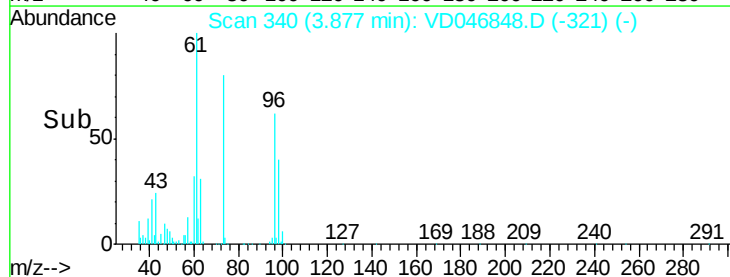
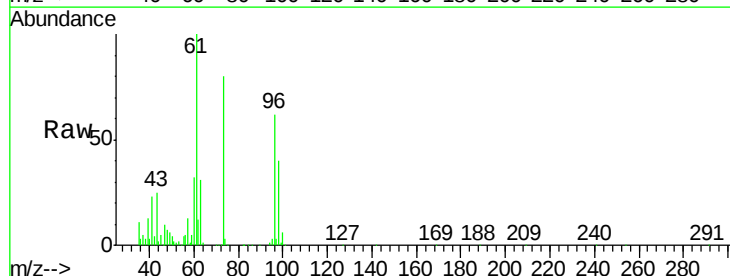
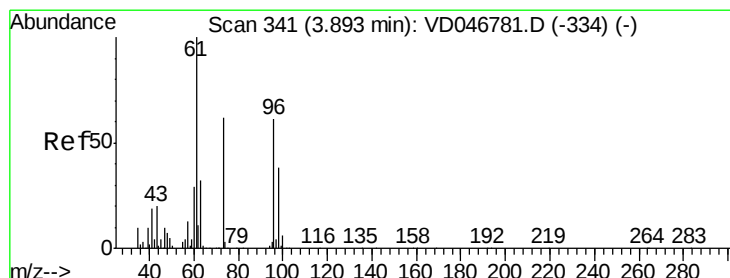
Tot Ion:	84	Resp:	80106
Ion	Ratio	Lower	Upper
84	100		
49	132.4	122.1	183.1
51	39.3	33.6	50.4
86	67.3	48.3	72.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

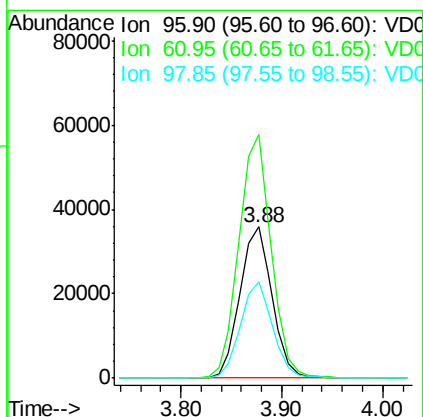
Manual Integrations
APPROVED

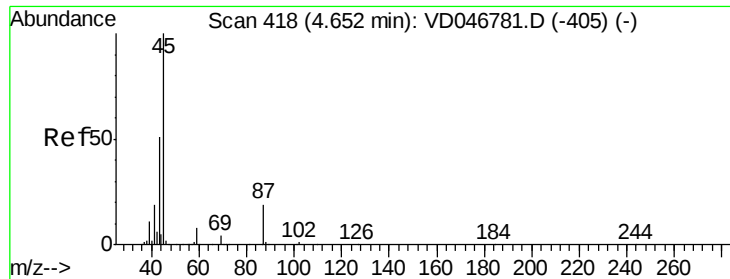
MMDadoda
9/24/2015 12:56:40 PM



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

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





#23

Diisopropyl ether

Concen: 49.01 ug/l

RT: 4.64 min Scan# 417

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

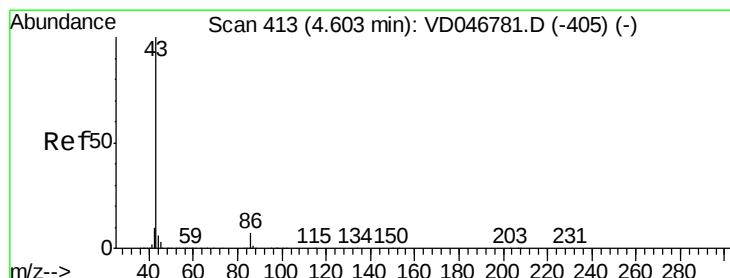
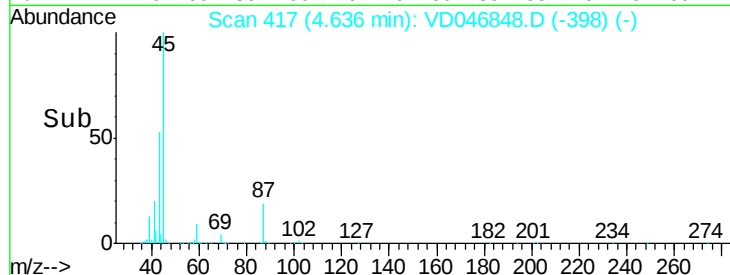
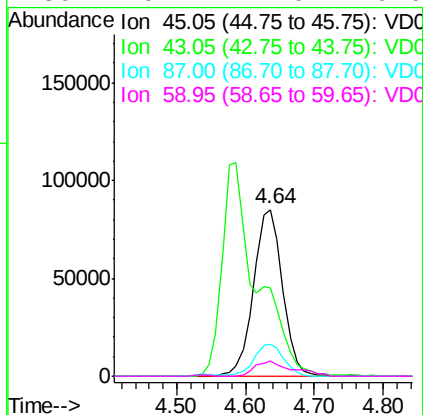
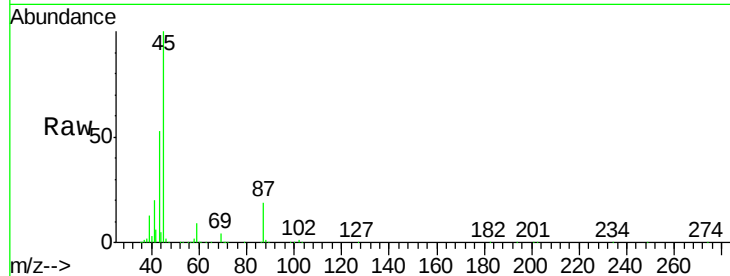
ClientSampleId :

VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
9/24/2015 12:56:40 PM



#24

Vinyl Acetate

Concen: 235.52 ug/l m

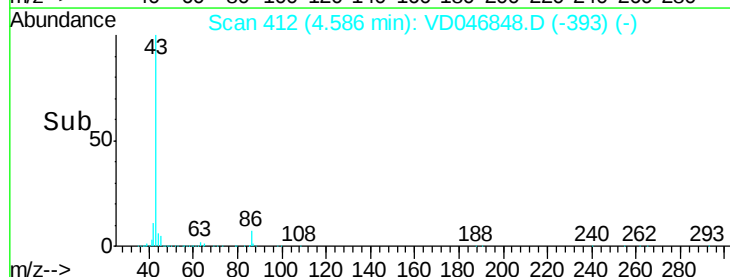
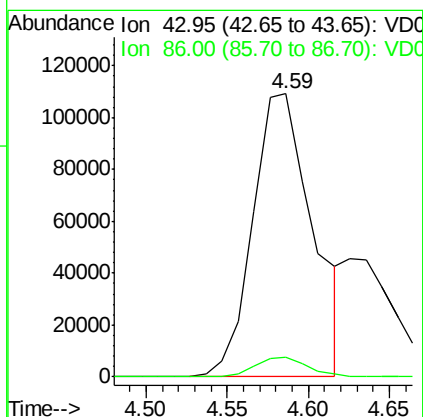
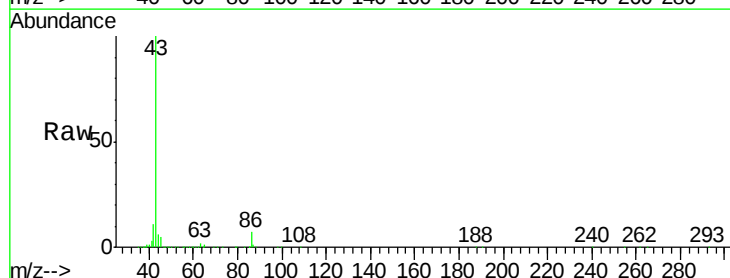
RT: 4.59 min Scan# 412

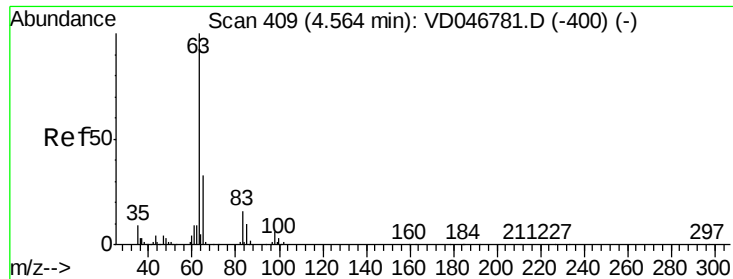
Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion:	43	Resp:	280998
Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.9	7.3





#25

1,1-Dichloroethane

Concen: 47.22 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

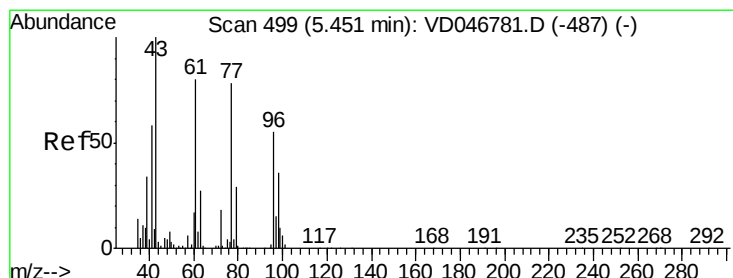
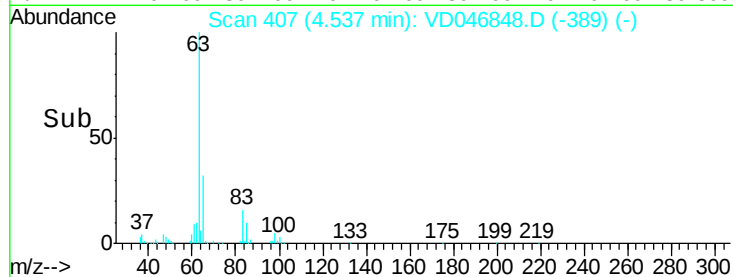
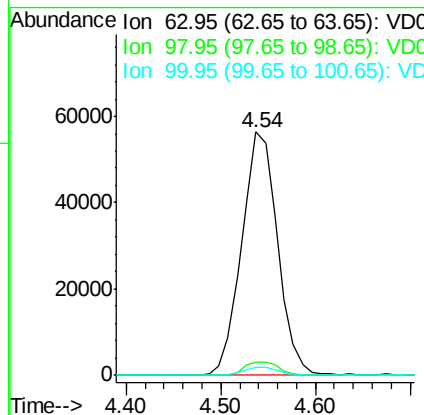
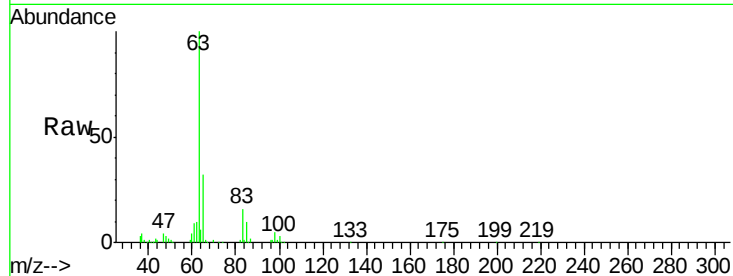
ClientSampleId :

VSTDCCC050

Tot Ion:	63	Resp:	148642
Ion Ratio	Lower	Upper	
63	100		
98	5.2	2.5	7.5
100	3.1	1.5	4.5

Manual Integrations
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9/24/2015 12:56:40 PM



#26

2-Butanone

Concen: 250.24 ug/l

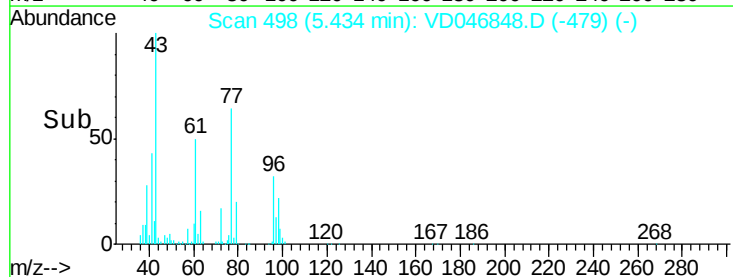
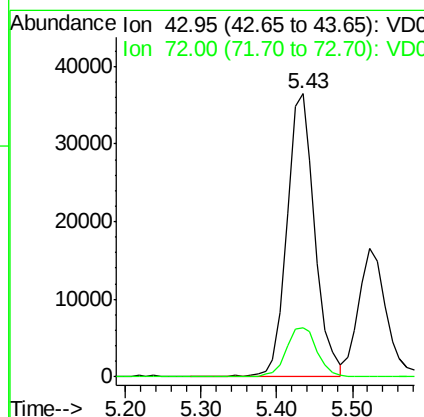
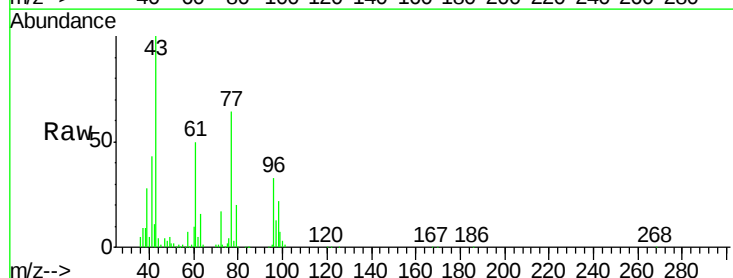
RT: 5.43 min Scan# 498

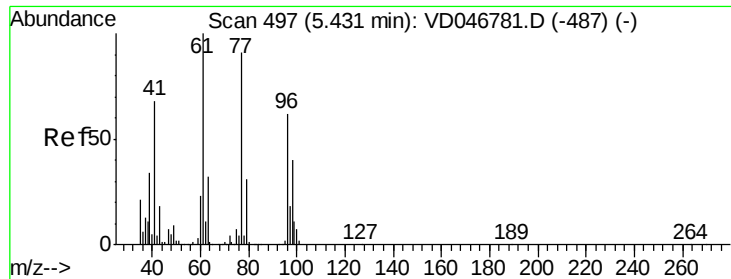
Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion:	43	Resp:	93495
Ion Ratio	Lower	Upper	
43	100		
72	17.3	13.4	20.0





#27

2,2-Dichloropropane

Concen: 53.90 ug/l

RT: 5.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 77 Resp: 174334

Ion Ratio Lower Upper

77 100

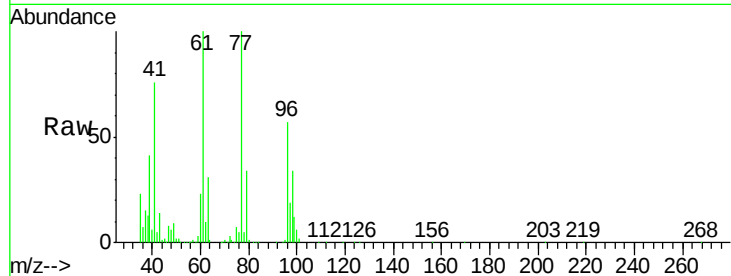
97 19.2 10.4 31.1

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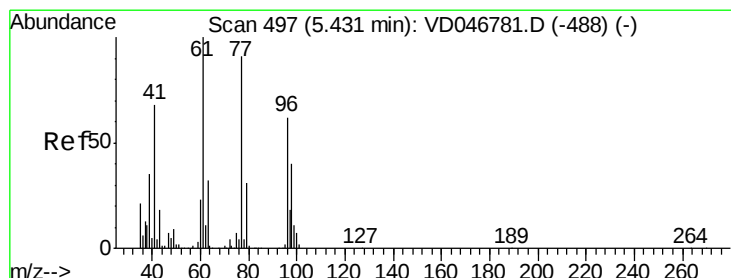
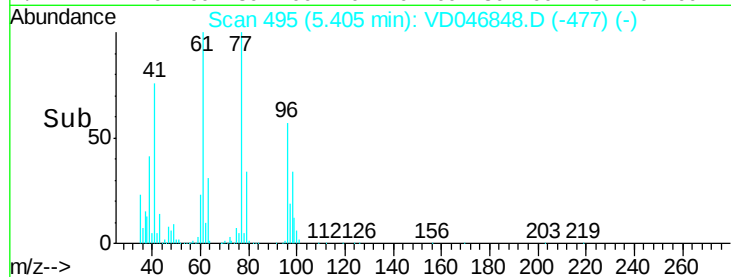
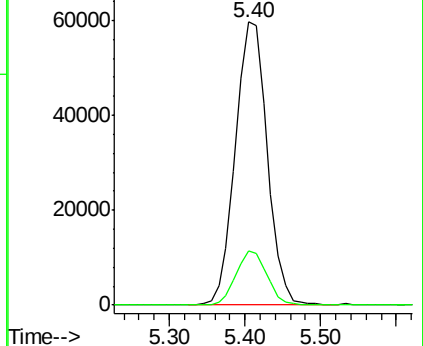
MMDadoda

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Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#28

cis-1,2-Dichloroethene

Concen: 49.21 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

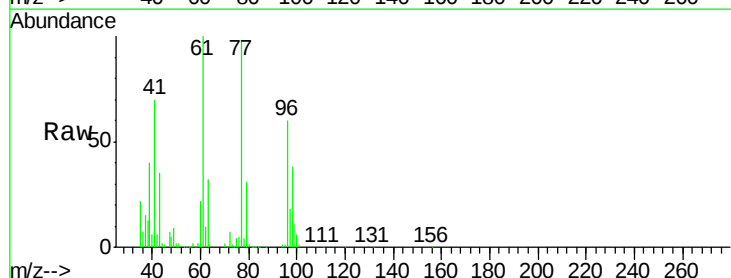
Tgt Ion: 96 Resp: 87584

Ion Ratio Lower Upper

96 100

61 165.8 0.0 348.0

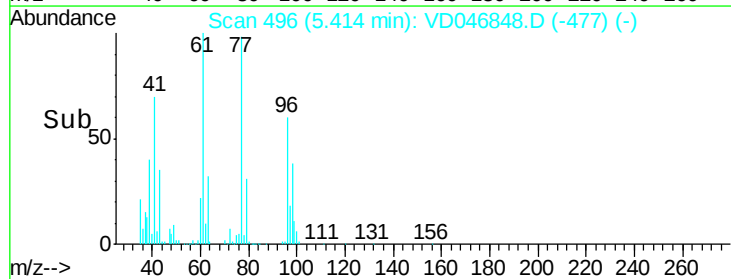
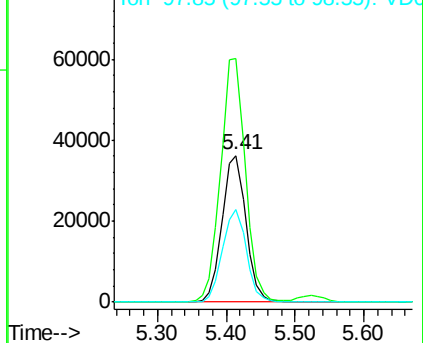
98 63.4 0.0 128.8

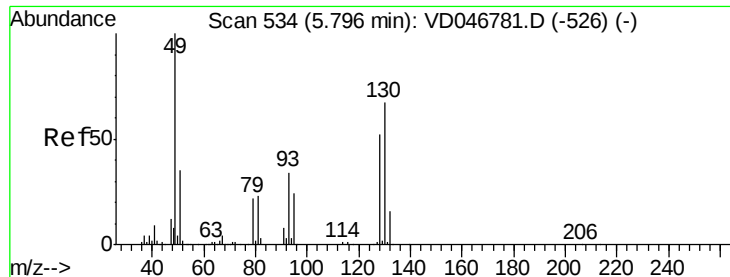


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Bromochloromethane

Concen: 46.42 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 49 Resp: 57572

Ion Ratio Lower Upper

49 100

129 2.3 0.0 2.8

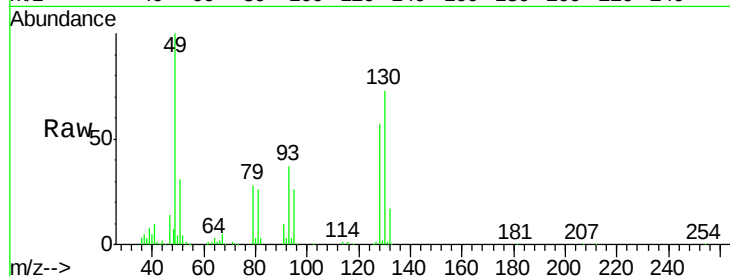
130 73.1 50.2 75.4

Manual Integrations

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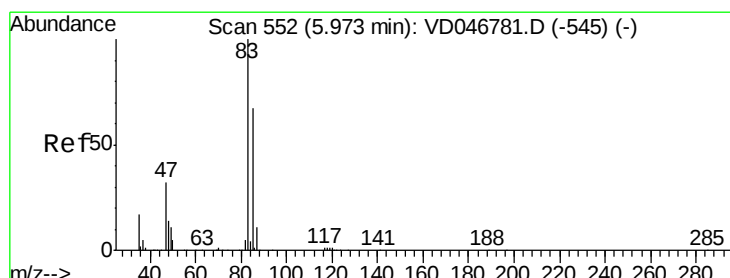
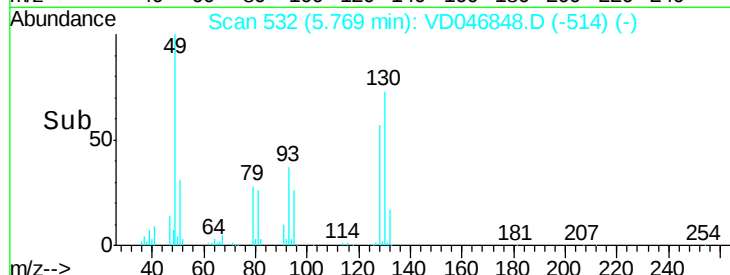
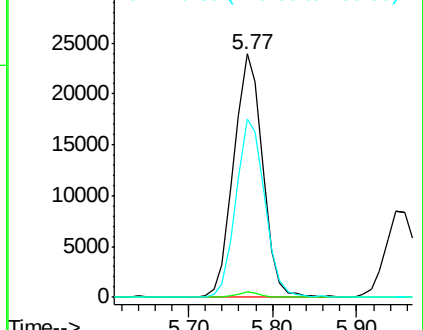
9/24/2015 12:56:40 PM



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 52.82 ug/l

RT: 5.96 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD046848.D

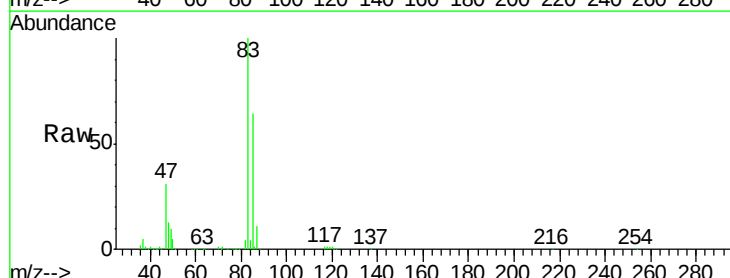
Acq: 23 Sep 2015 10:49

Tgt Ion: 83 Resp: 201698

Ion Ratio Lower Upper

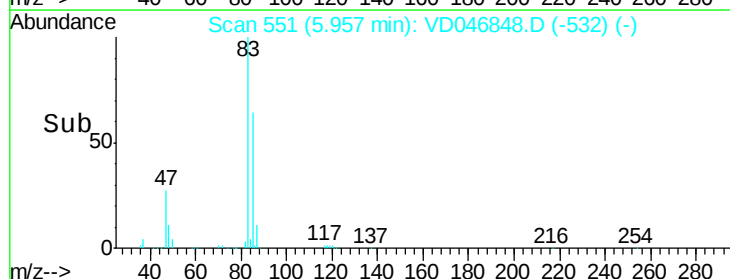
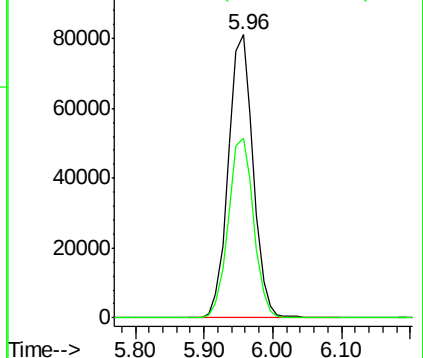
83 100

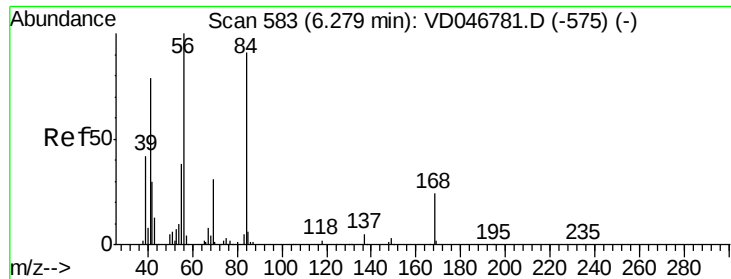
85 63.6 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 43.47 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

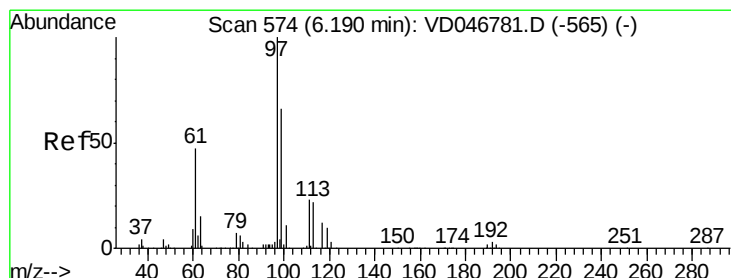
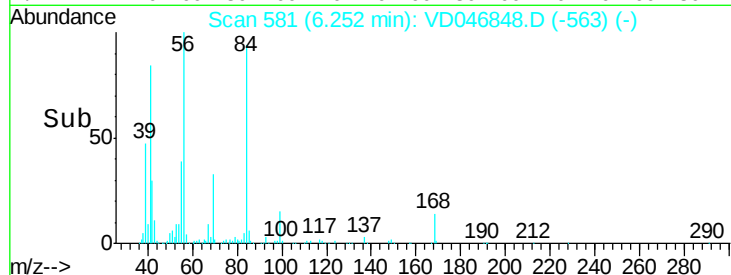
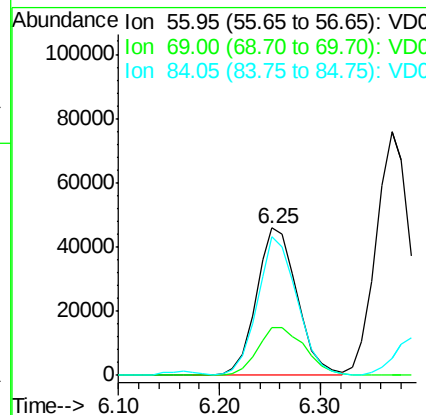
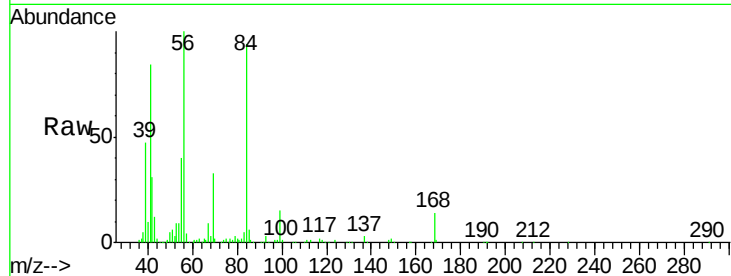
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	128399
Ion Ratio	Lower	Upper	
56	100		
69	32.8	23.4	35.0
84	93.8	63.8	95.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.36 ug/l

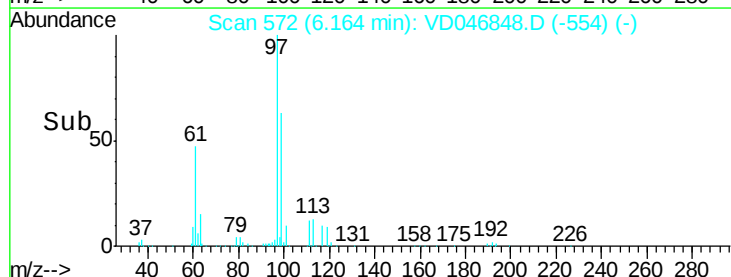
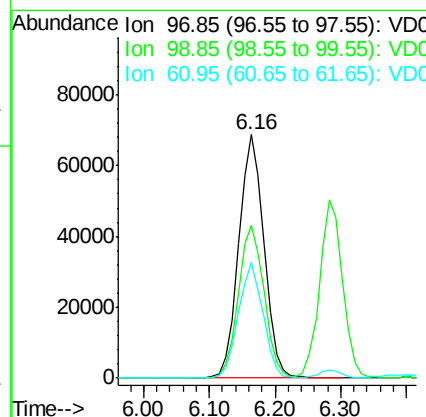
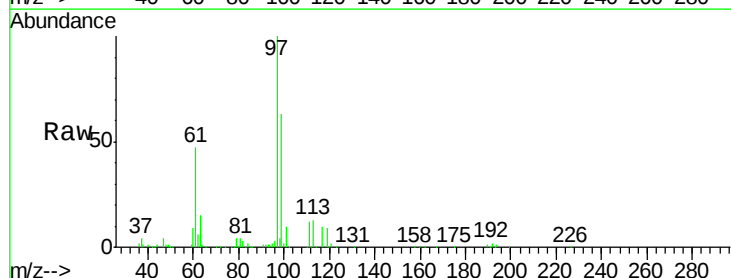
RT: 6.16 min Scan# 572

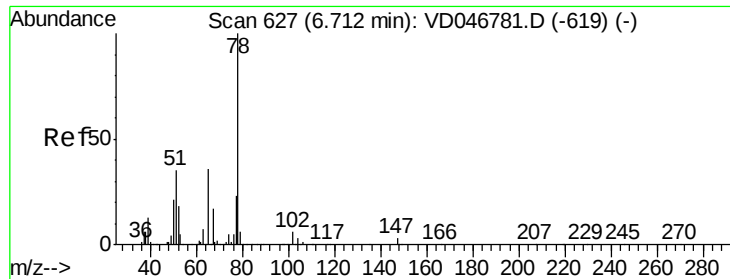
Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion:	97	Resp:	184797
Ion Ratio	Lower	Upper	
97	100		
99	63.0	50.2	75.4
61	47.3	38.6	57.8





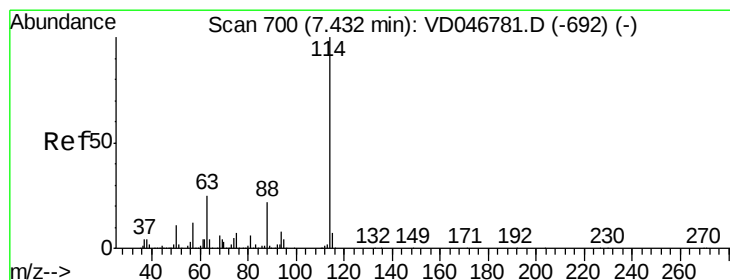
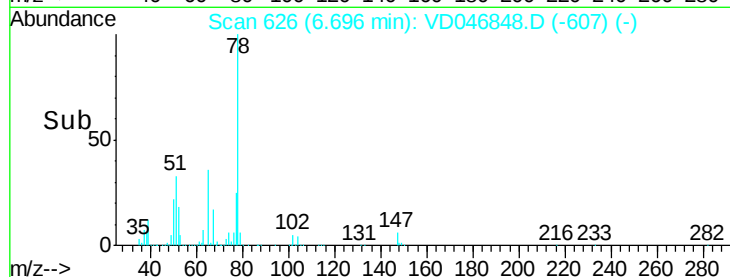
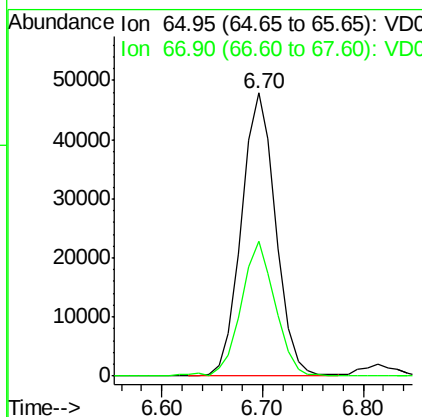
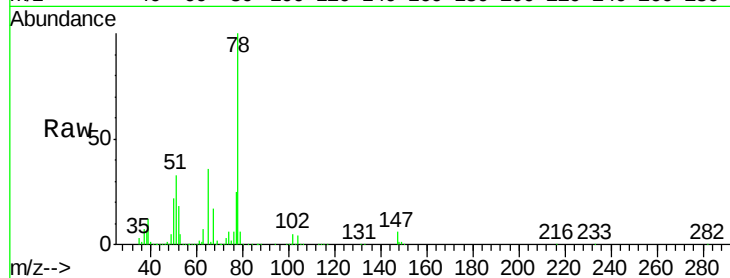
#33
 1,2-Dichloroethane-d4
 Concen: 54.36 ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	47.8	0.0	105.4	

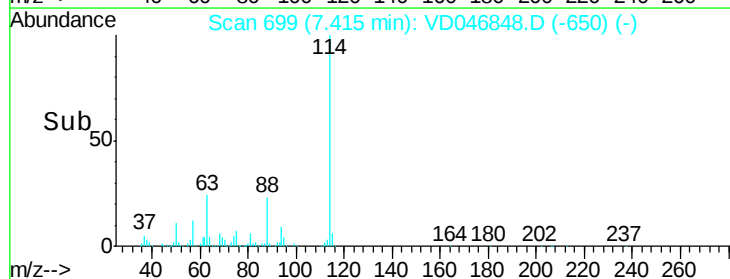
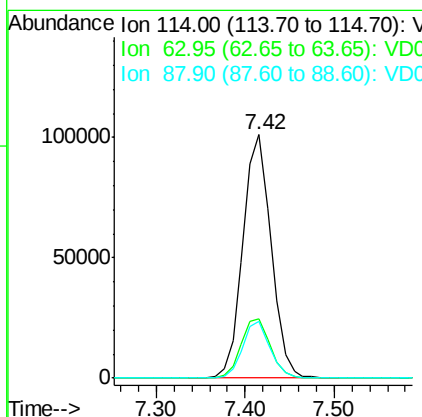
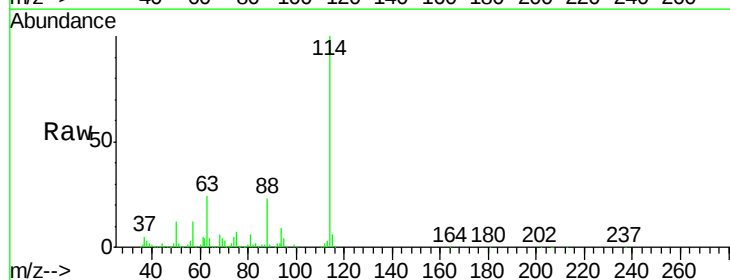
Manual Integrations
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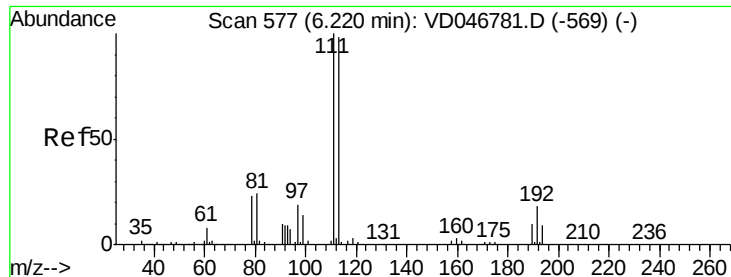
MMDadoda
 9/24/2015 12:56:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.4	0.0	49.8	
88	23.2	0.0	43.6	





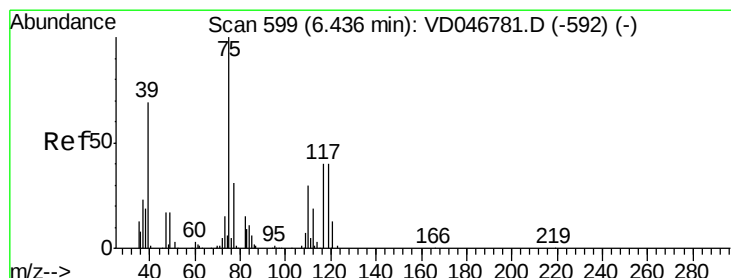
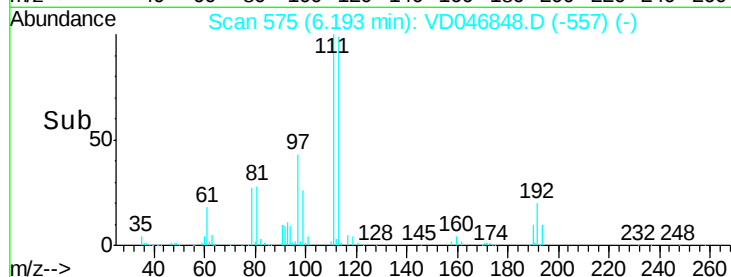
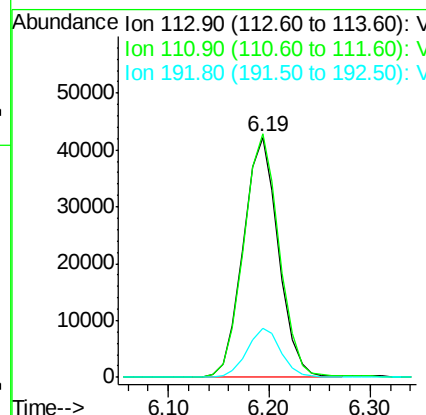
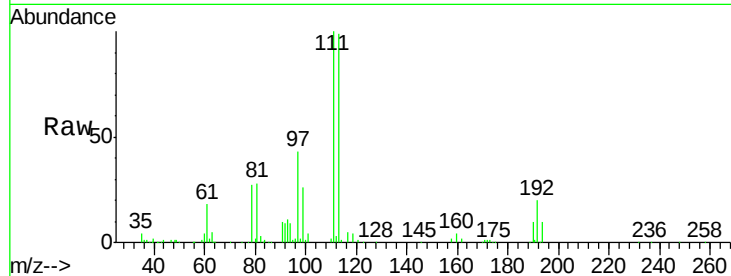
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

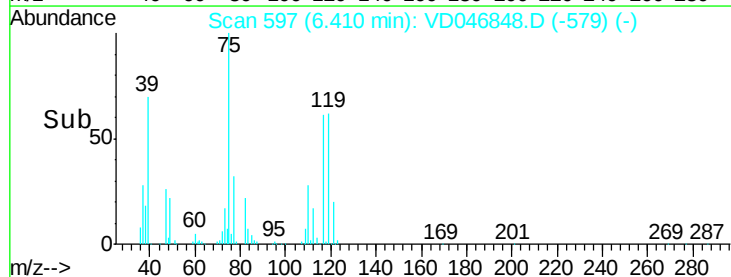
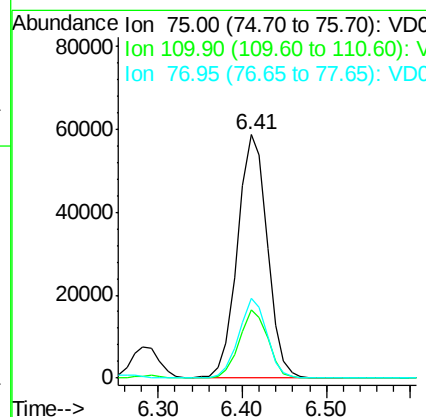
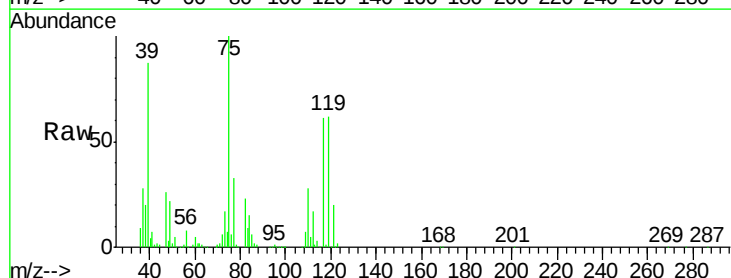
Manual Integrations
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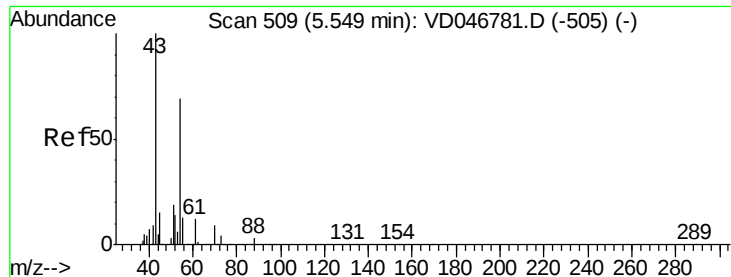
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#36
 1,1-Dichloropropene
 Concen: 55.62 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

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





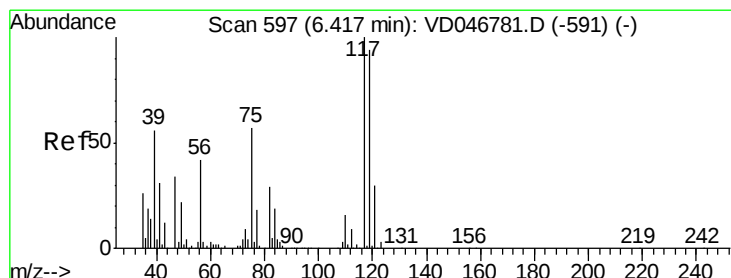
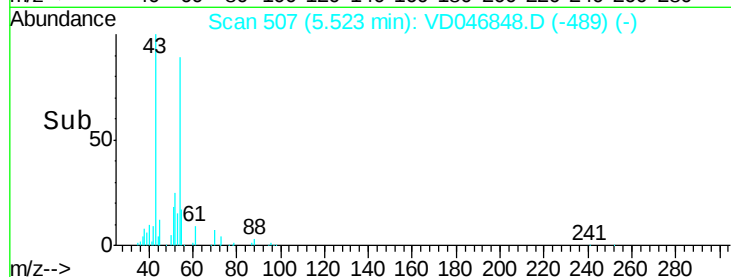
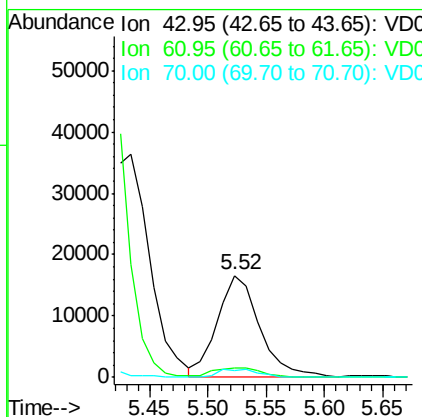
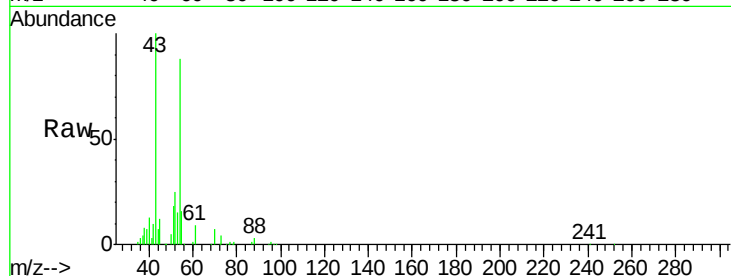
#37
Ethyl Acetate
Concen: 49.35 ug/l
RT: 5.52 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

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

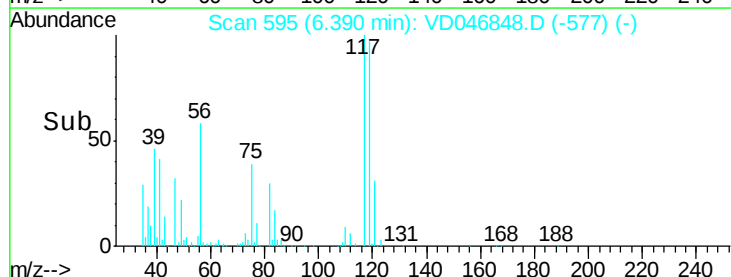
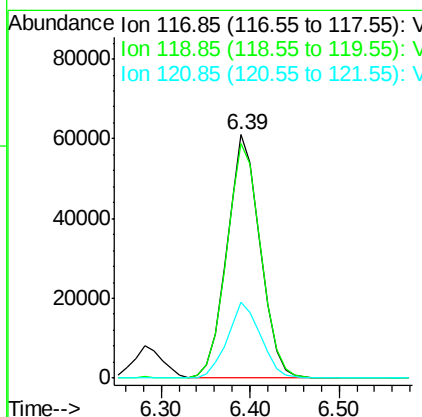
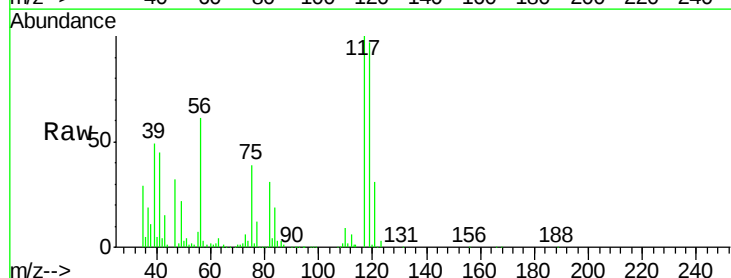
Manual Integrations
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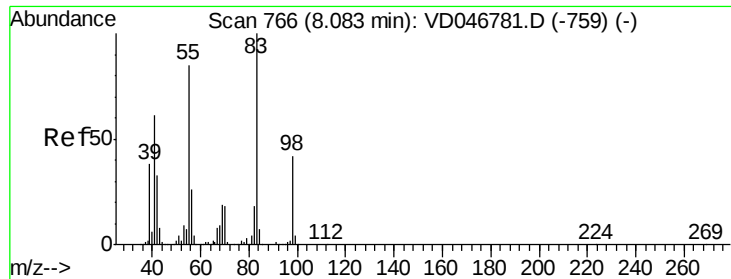
MMDadoda
9/24/2015 12:56:40 PM



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

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





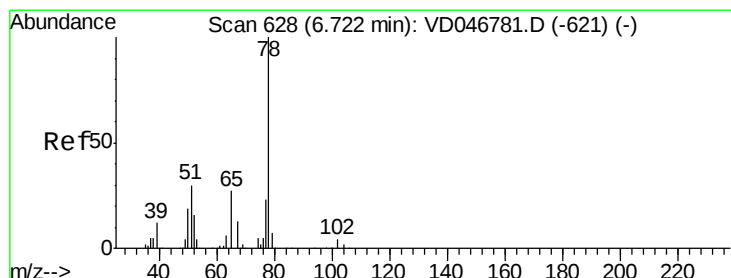
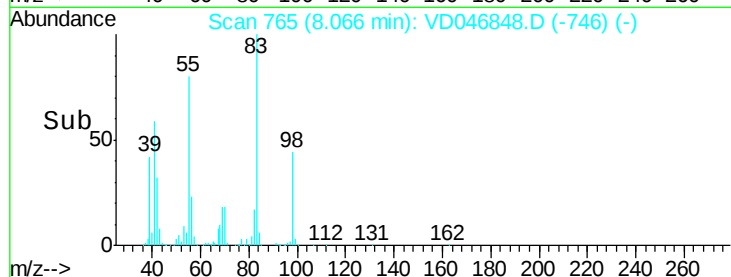
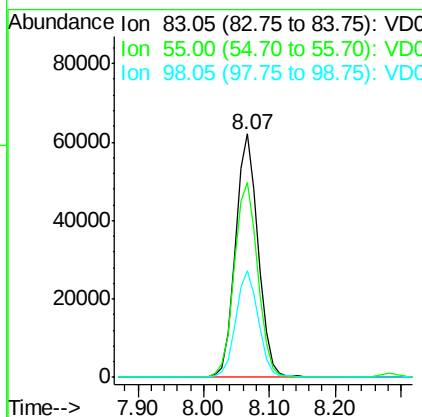
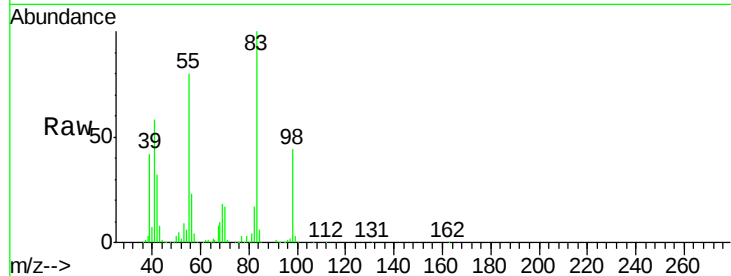
#39
Methvlcvclohexane
Concen: 56.94 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

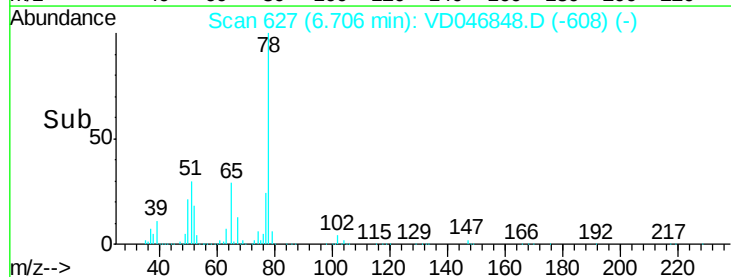
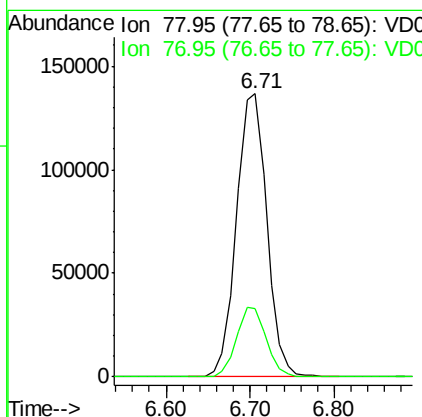
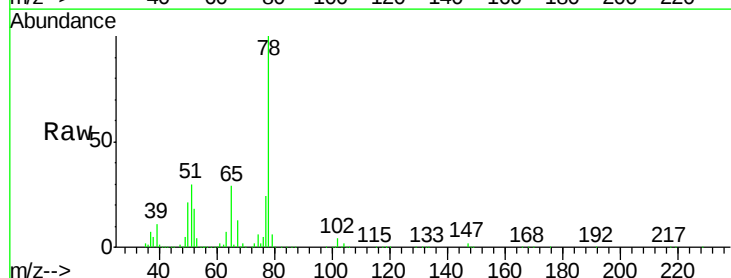
Manual Integrations
APPROVED

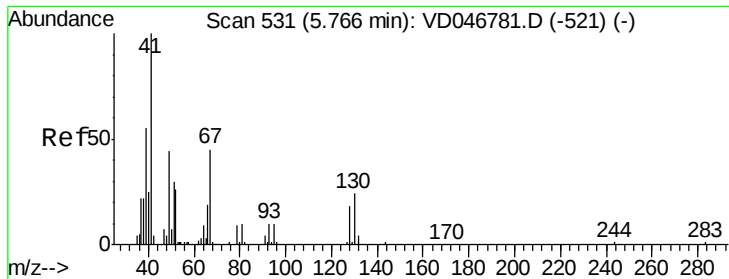
MMDadoda
9/24/2015 12:56:40 PM



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

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





#41

Methacrylonitrile

Concen: 53.96 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

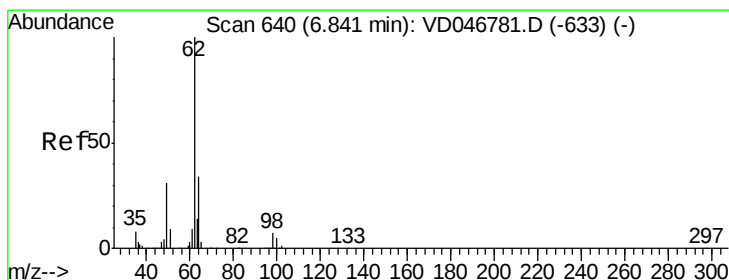
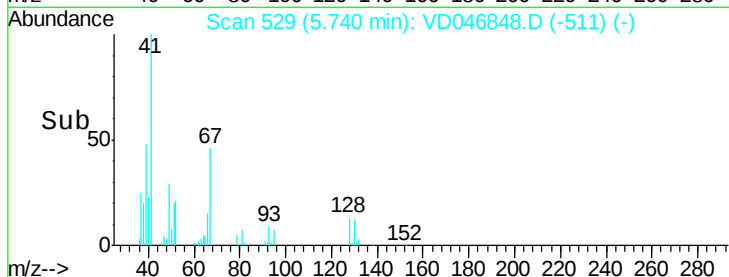
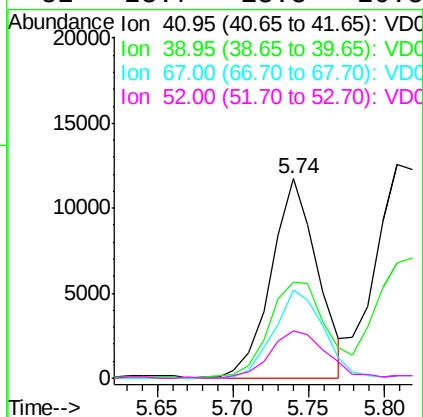
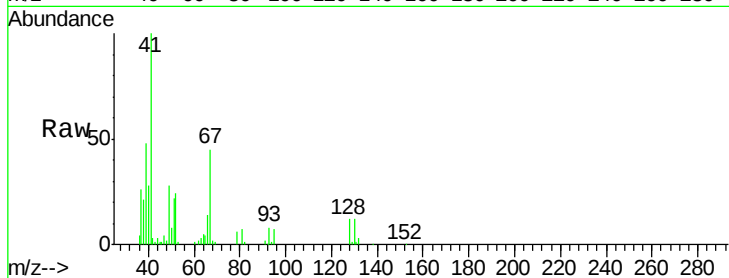
ClientSampleId :

VSTDCCC050

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

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#42

1,2-Dichloroethane

Concen: 62.41 ug/l

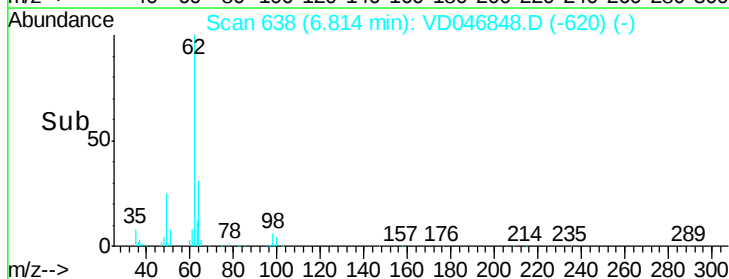
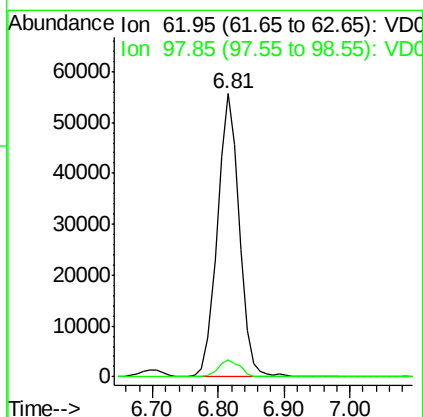
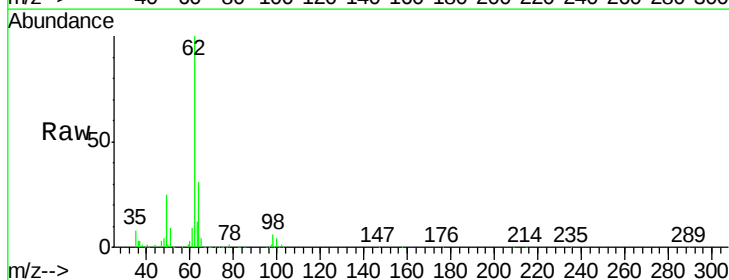
RT: 6.81 min Scan# 638

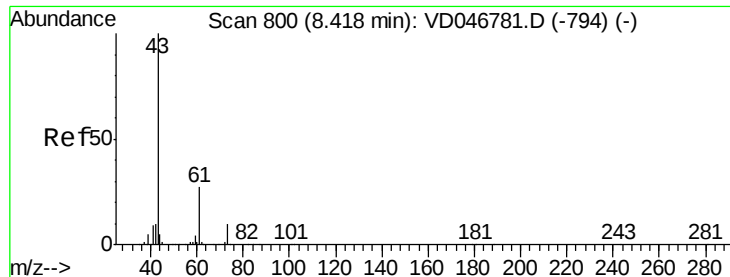
Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	16.2





#43

Isopropyl Acetate

Concen: 52.44 ug/l

RT: 8.39 min Scan# 798

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

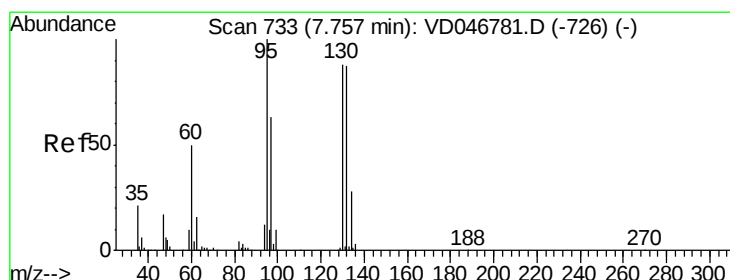
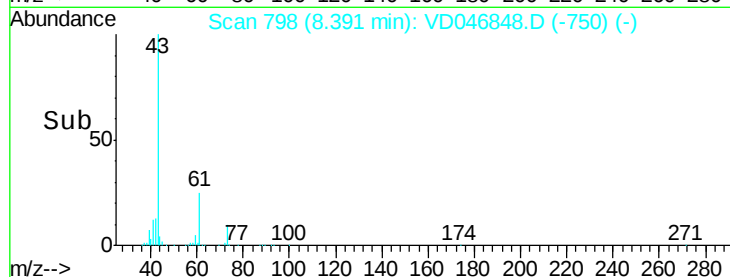
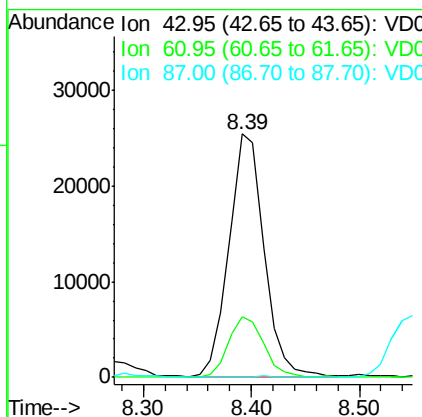
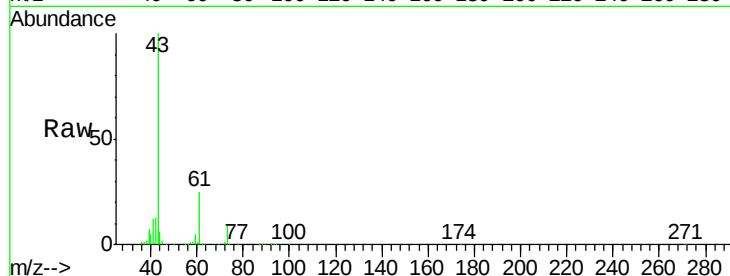
ClientSampleId :

VSTDCCC050

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

Manual Integrations
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#44

Trichloroethene

Concen: 54.35 ug/l

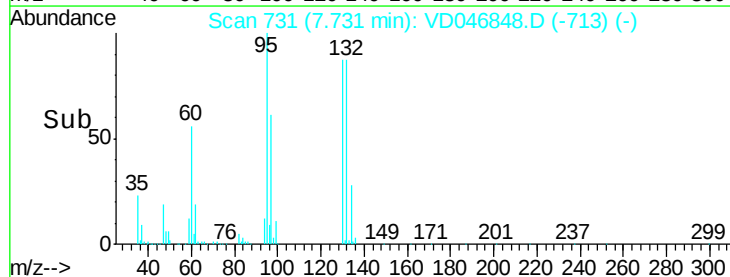
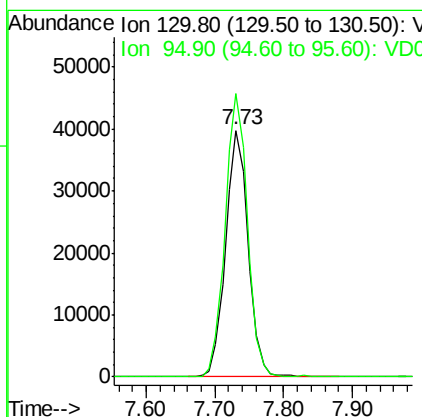
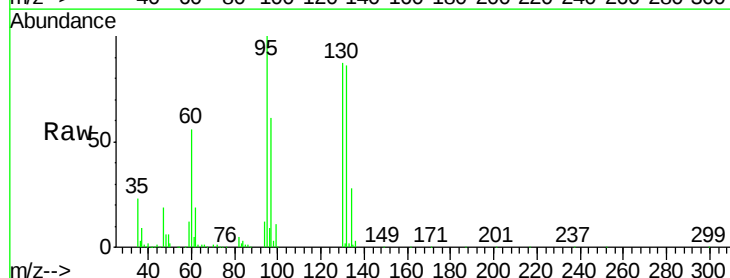
RT: 7.73 min Scan# 731

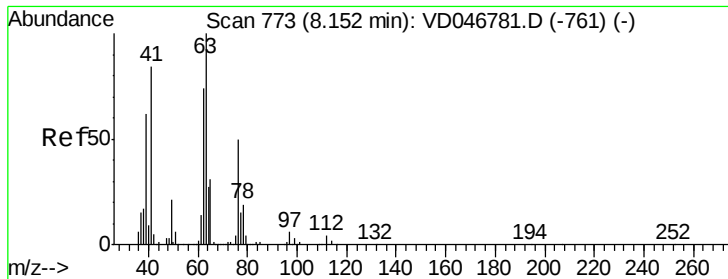
Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

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





#45

1,2-Dichloropropane

Concen: 52.09 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 85445

Ion Ratio Lower Upper

63 100

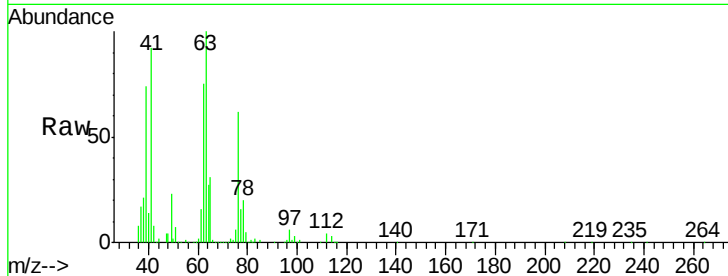
65 30.7 25.1 37.7

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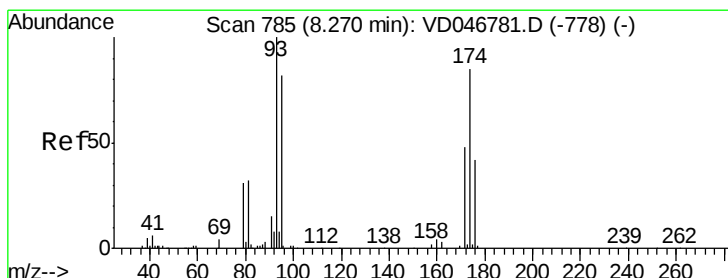
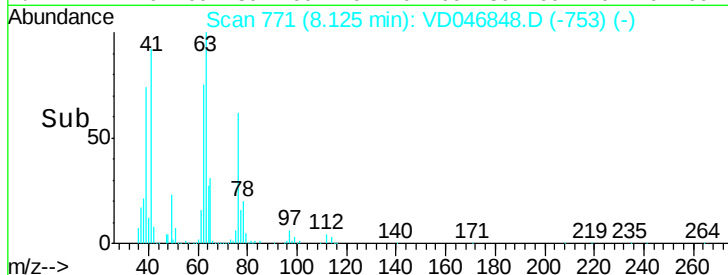
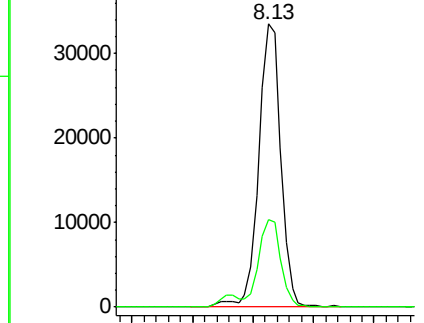
MMDadoda

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 58.38 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

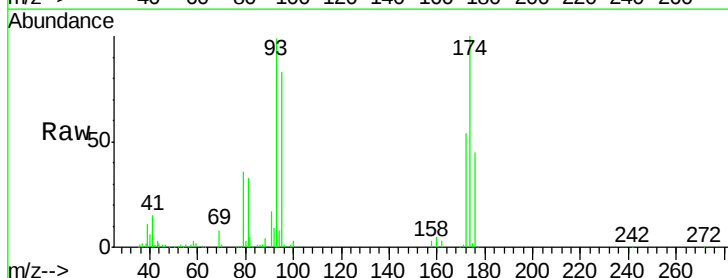
Tgt Ion: 93 Resp: 54372

Ion Ratio Lower Upper

93 100

95 83.6 70.2 105.2

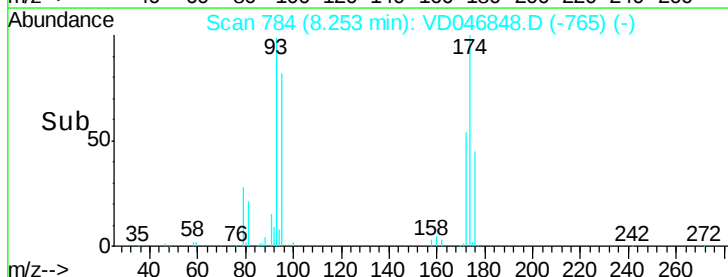
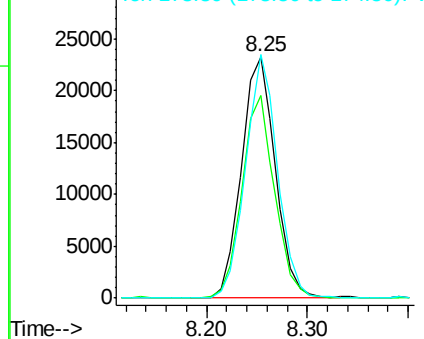
174 100.8 79.0 118.4

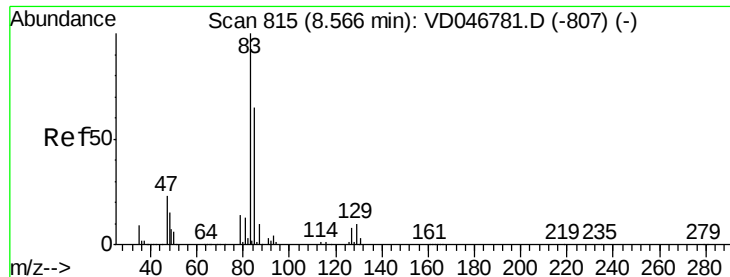


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 59.42 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

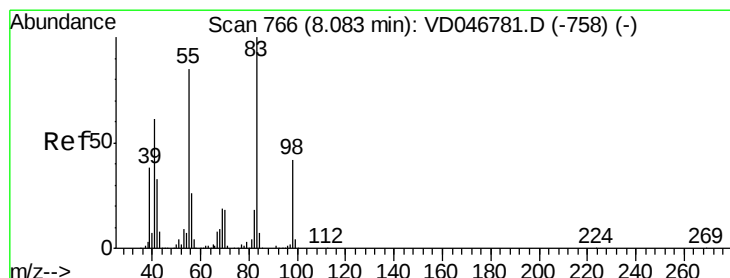
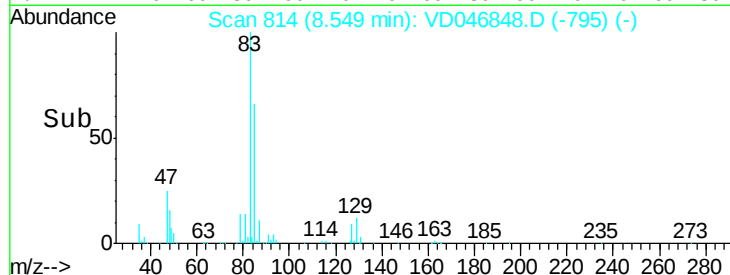
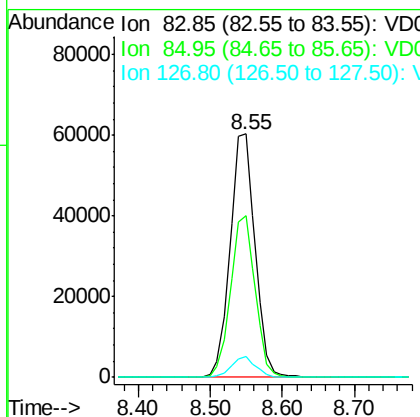
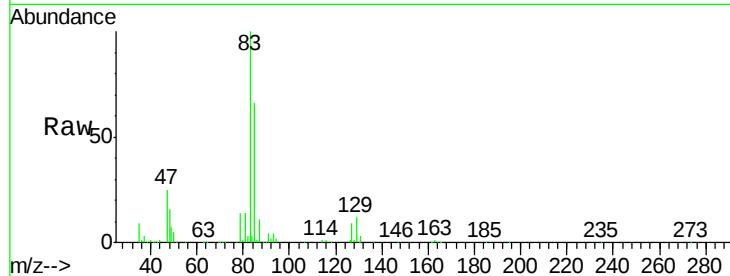
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	145241
Ion Ratio	Lower	Upper	
83	100		
85	66.2	52.6	78.8
127	8.6	5.7	8.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.13 ug/l

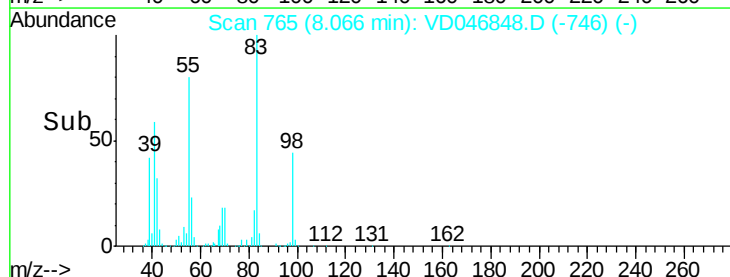
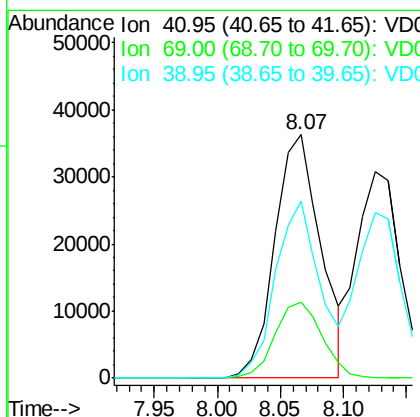
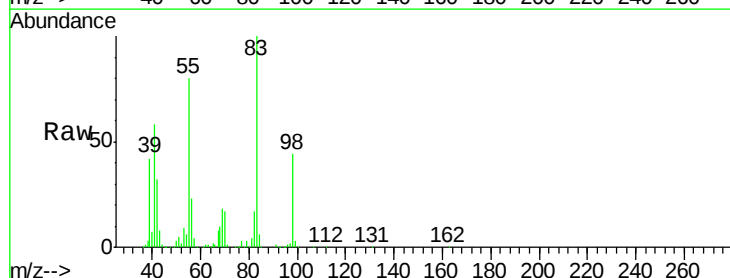
RT: 8.07 min Scan# 765

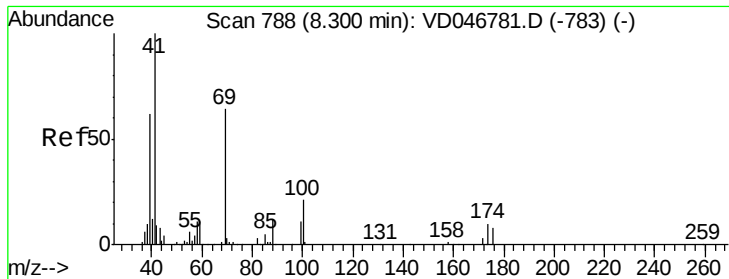
Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion:	41	Resp:	92564
Ion Ratio	Lower	Upper	
41	100		
69	31.4	25.3	37.9
39	72.6	47.4	71.0#





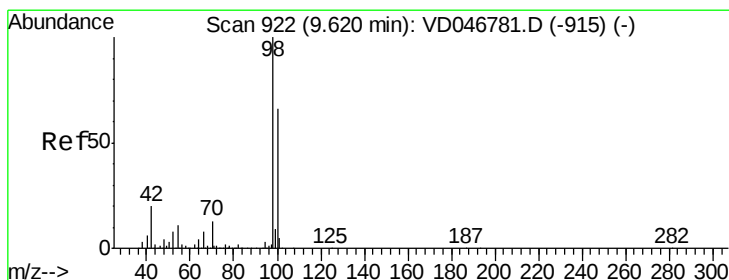
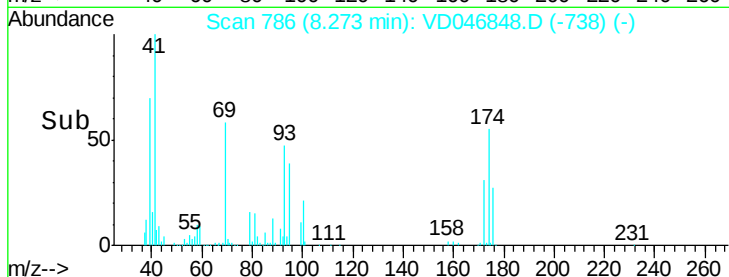
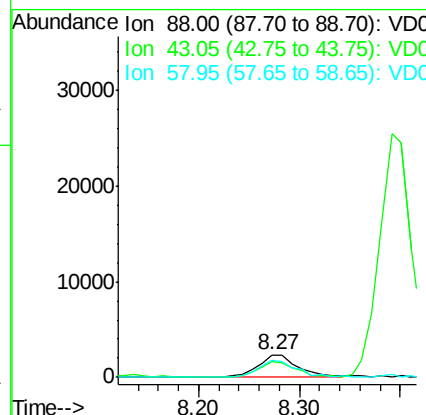
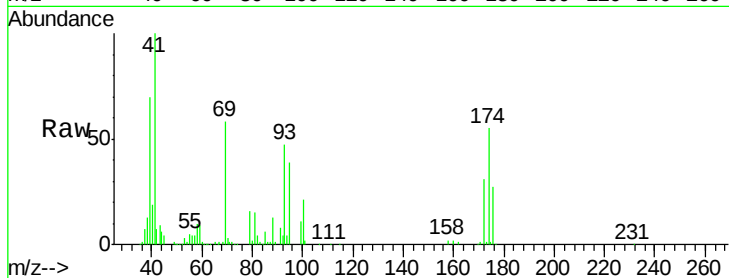
#49
1,4-Dioxane
Concen: 1021.68 ug/l
RT: 8.27 min Scan# 786
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.3	50.0	75.0
58	75.6	48.3	72.5

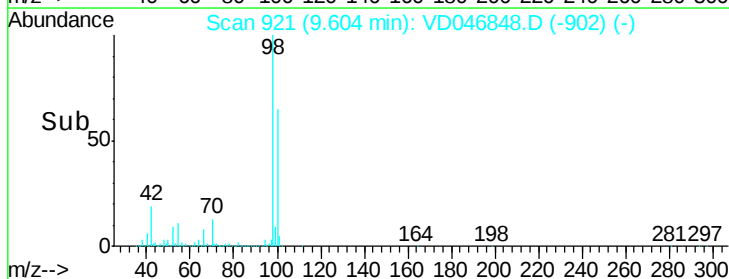
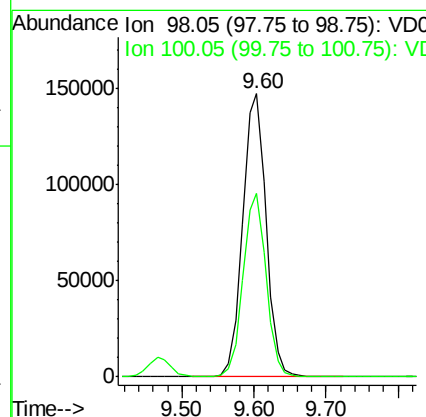
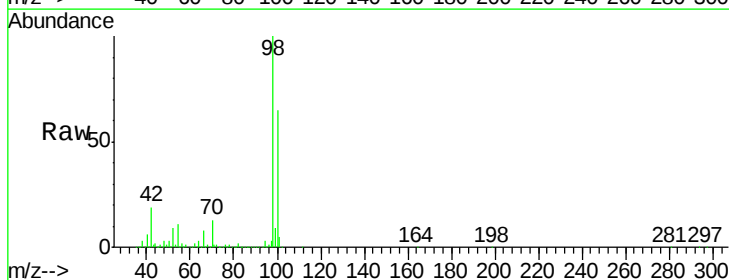
Manual Integrations
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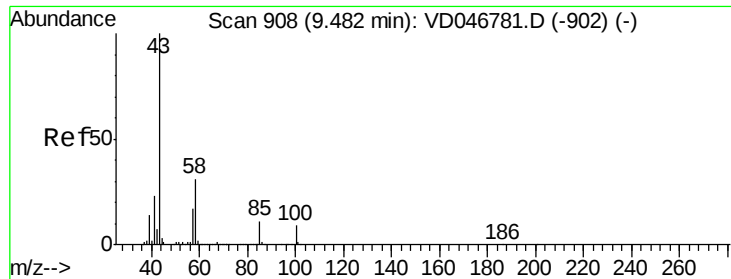
MMDadoda
9/24/2015 12:56:40 PM



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

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 292.44 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 232034

Ion Ratio Lower Upper

43 100

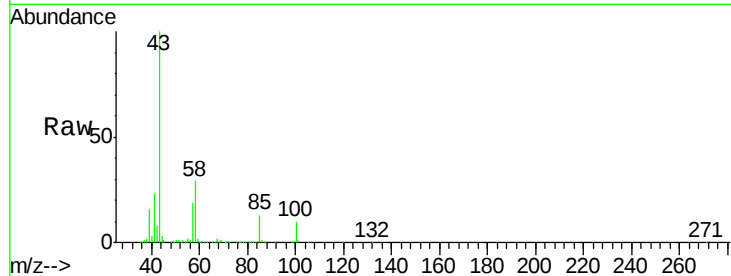
58 28.9 22.2 33.2

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.47

120000

100000

80000

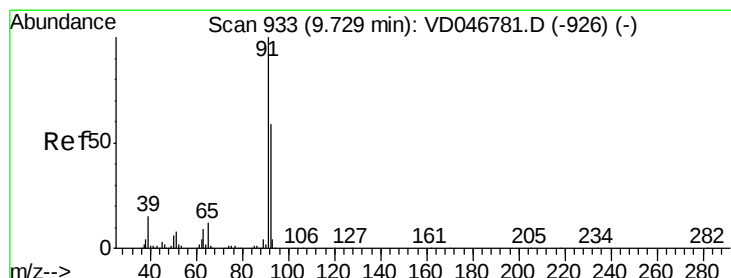
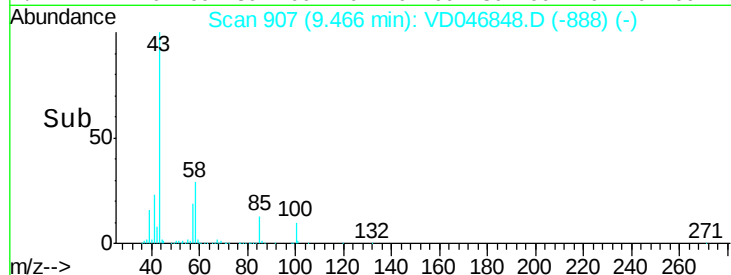
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 57.53 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046848.D

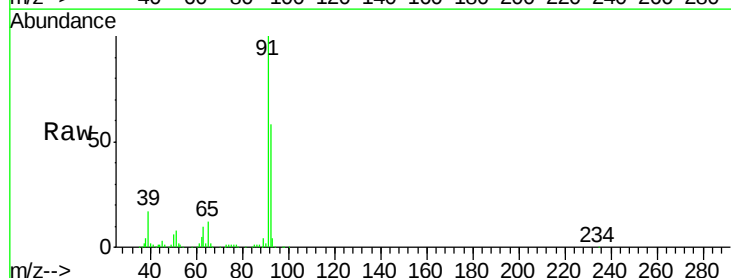
Acq: 23 Sep 2015 10:49

Tgt Ion: 92 Resp: 234930

Ion Ratio Lower Upper

92 100

91 172.5 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.70

200000

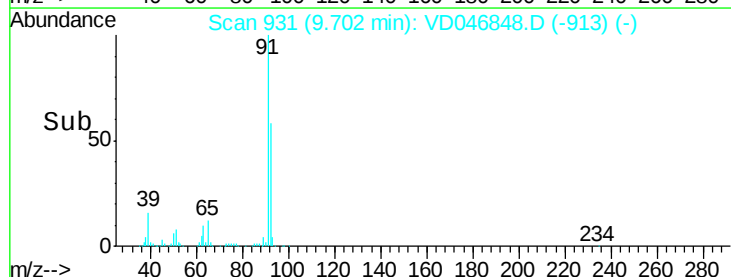
150000

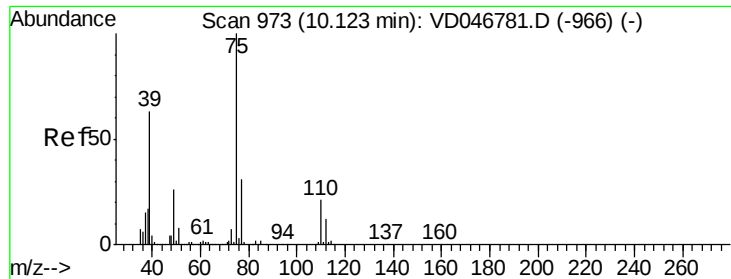
100000

50000

0

Time-->





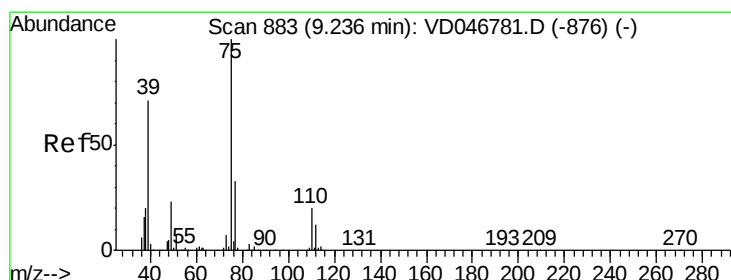
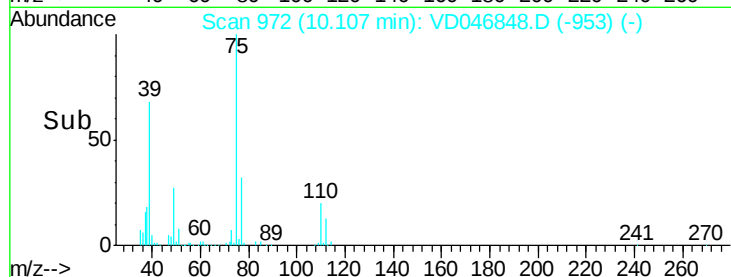
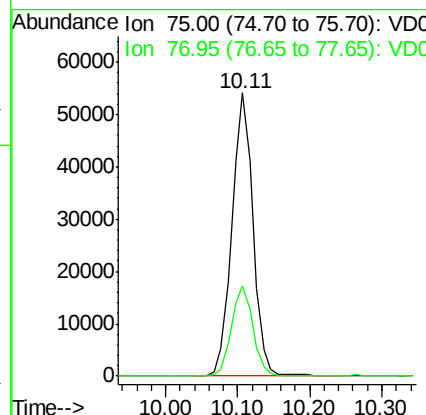
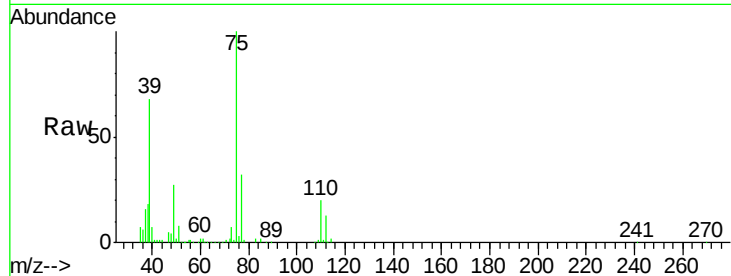
#53
t-1,3-Dichloropropene
Concen: 60.88 ug/l
RT: 10.11 min Scan# 972
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	27.6	41.4

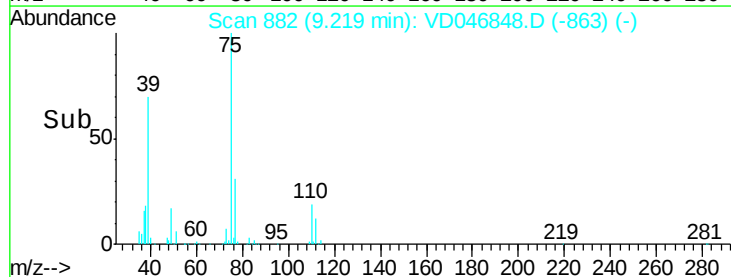
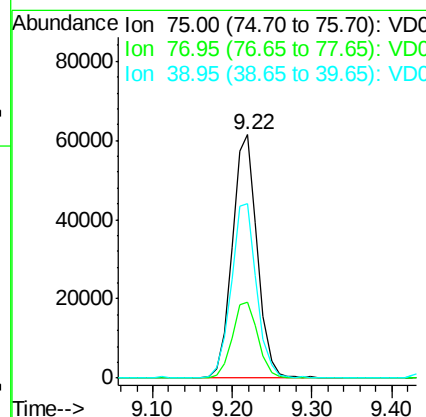
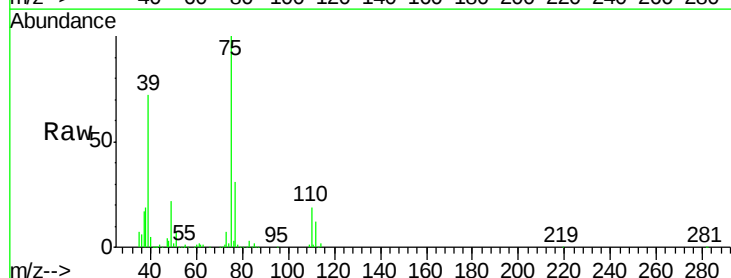
Manual Integrations
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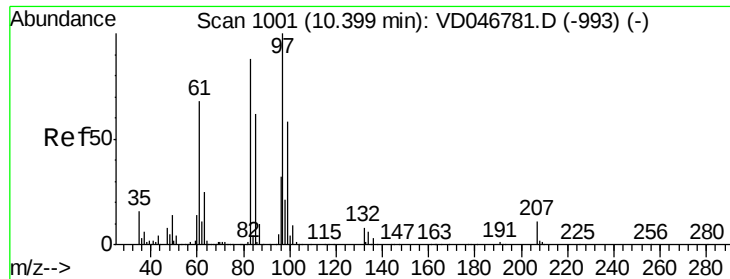
MMDadoda
9/24/2015 12:56:40 PM



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

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





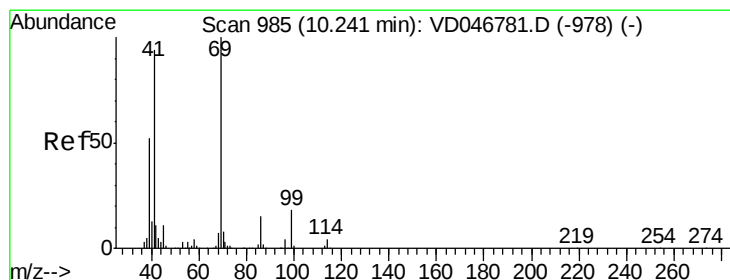
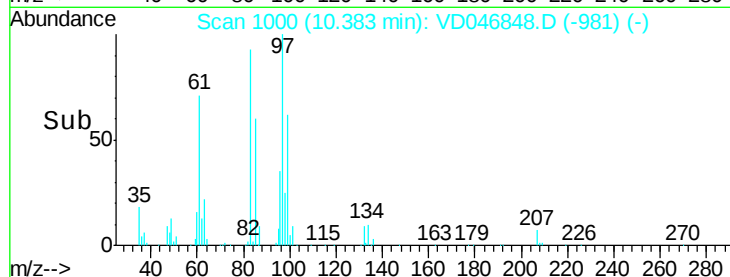
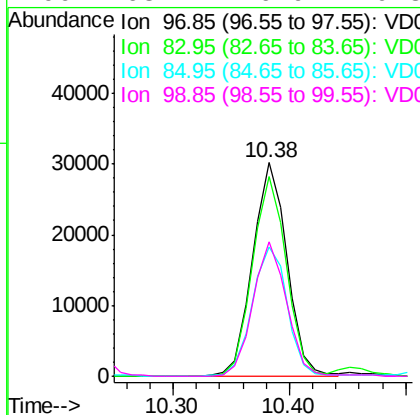
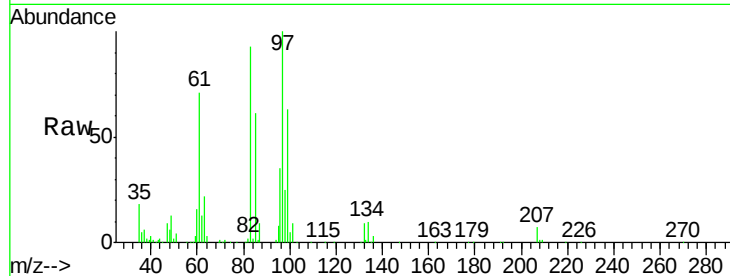
#55
 1,1,2-Trichloroethane
 Concen: 58.23 ug/l
 RT: 10.38 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	61563
Ion	Ratio	Lower	Upper
97	100		
83	93.2	75.3	112.9
85	60.6	50.9	76.3
99	63.1	46.9	70.3

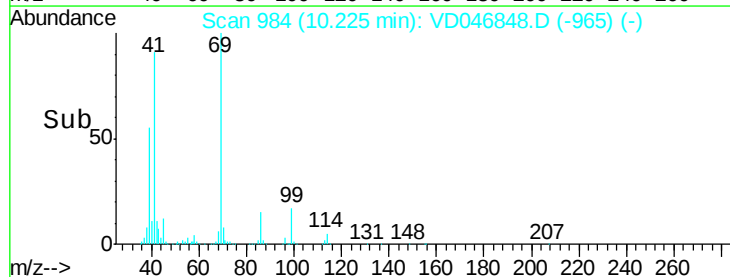
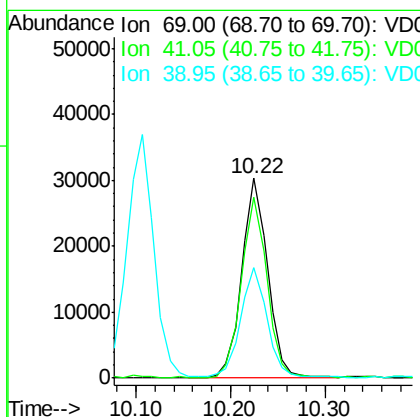
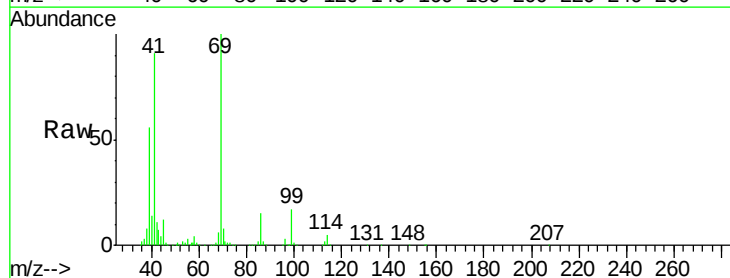
Manual Integrations
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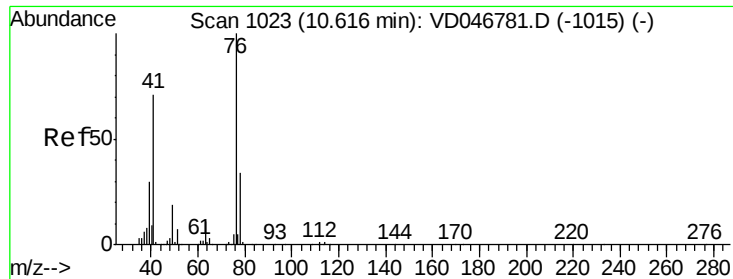
MMDadoda
 9/24/2015 12:56:40 PM



#56
 Ethyl methacrylate
 Concen: 52.83 ug/l
 RT: 10.22 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion:	69	Resp:	58201
Ion	Ratio	Lower	Upper
69	100		
41	90.6	75.4	113.0
39	55.5	41.0	61.4





#57

1,3-Dichloropropane

Concen: 56.98 ug/l

RT: 10.59 min Scan# 1021

Delta R.T. -0.03 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 112038

Ion Ratio Lower Upper

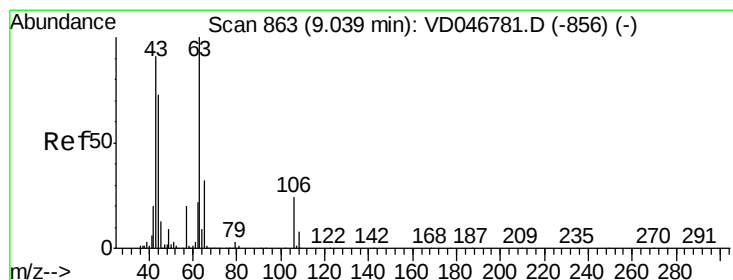
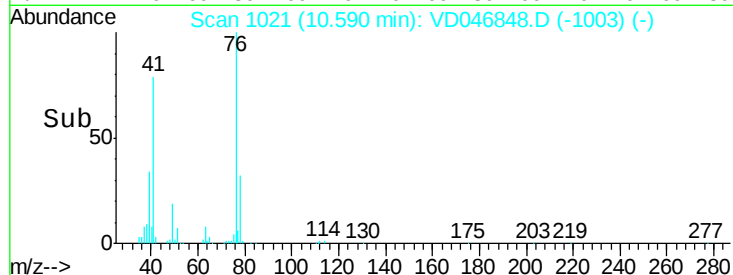
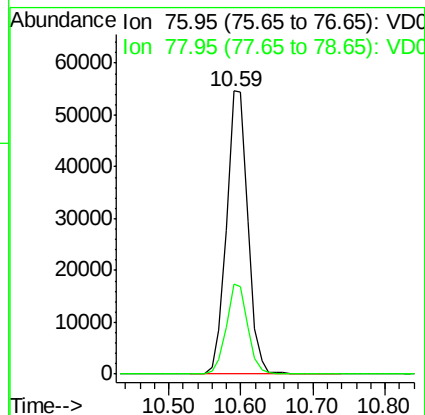
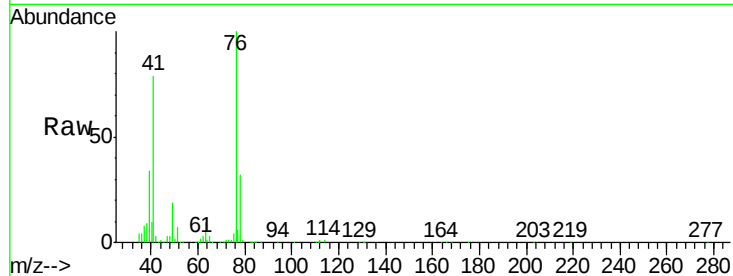
76 100

78 32.0 26.6 39.8

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#58

2-Chloroethyl Vinyl ether

Concen: 259.51 ug/l

RT: 9.01 min Scan# 861

Delta R.T. -0.03 min

Lab File: VD046848.D

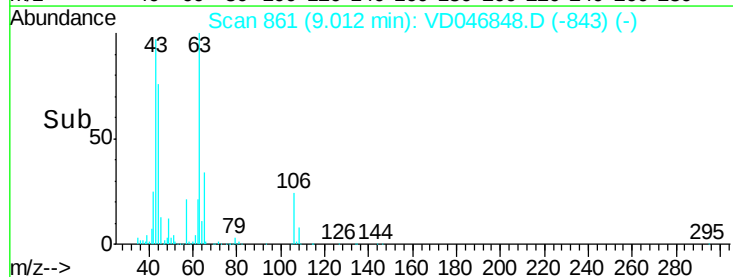
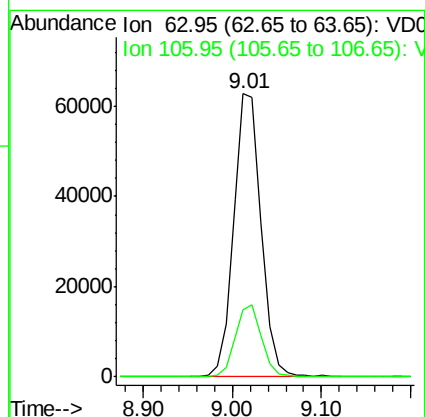
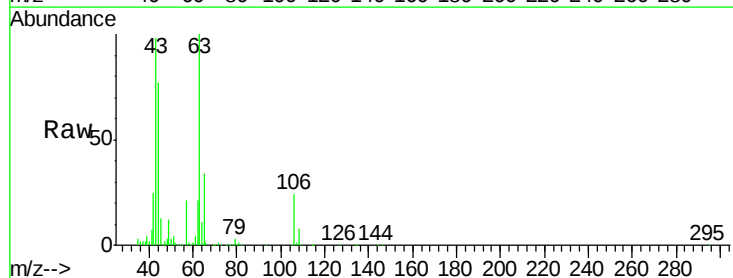
Acq: 23 Sep 2015 10:49

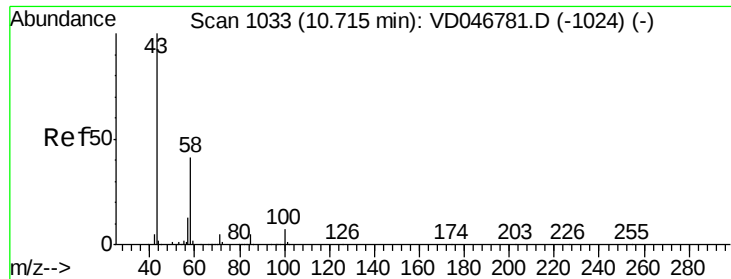
Tgt Ion: 63 Resp: 135423

Ion Ratio Lower Upper

63 100

106 23.8 17.8 26.8





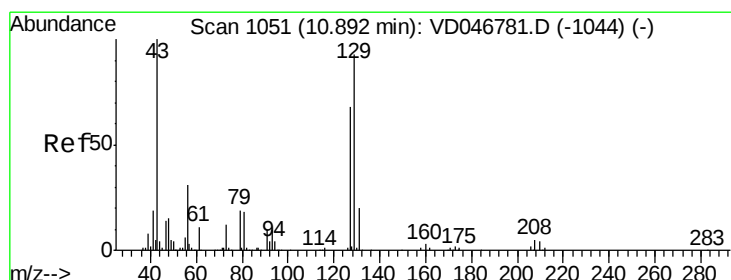
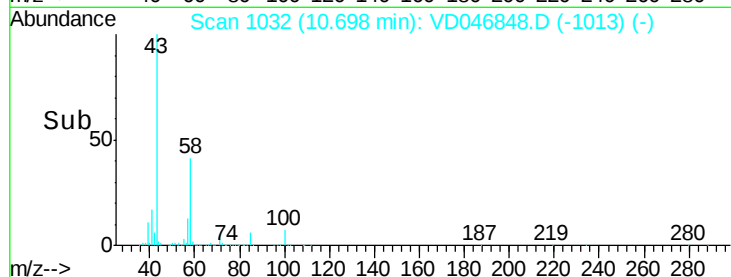
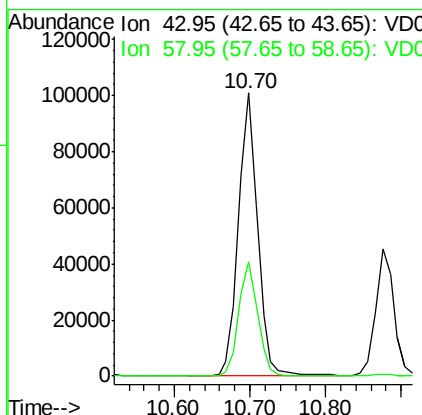
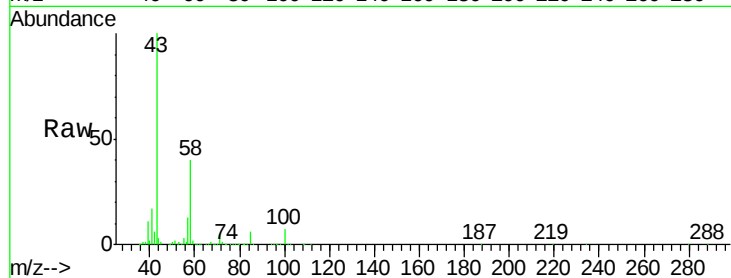
#59
2-Hexanone
Concen: 308.30 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	18.6	55.8

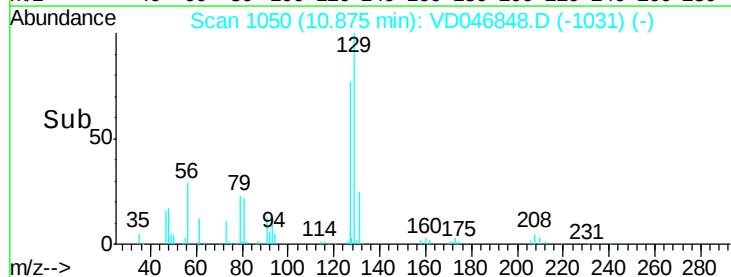
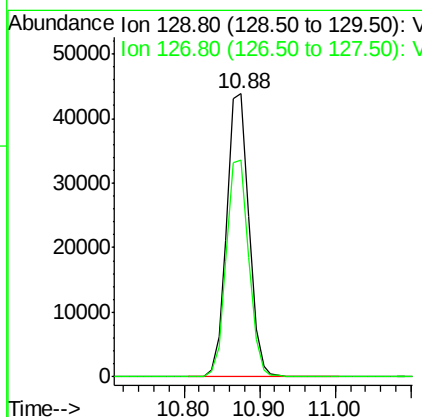
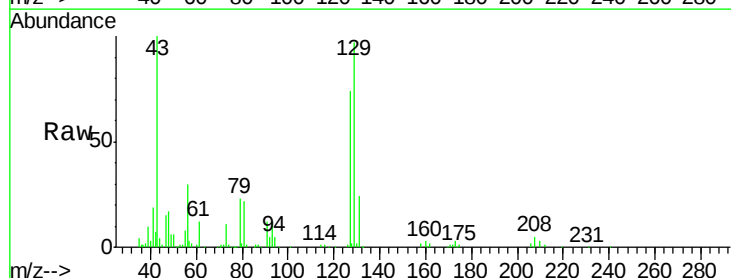
Manual Integrations
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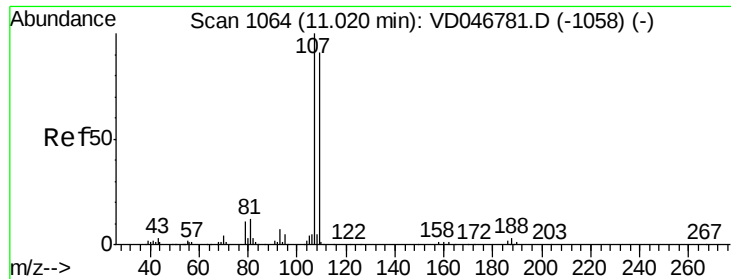
MMDadoda
9/24/2015 12:56:40 PM



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

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.2	114.6





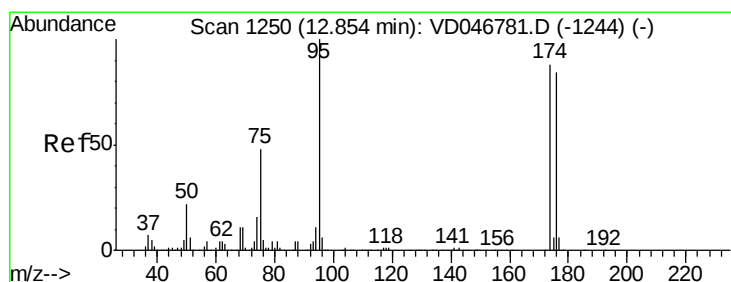
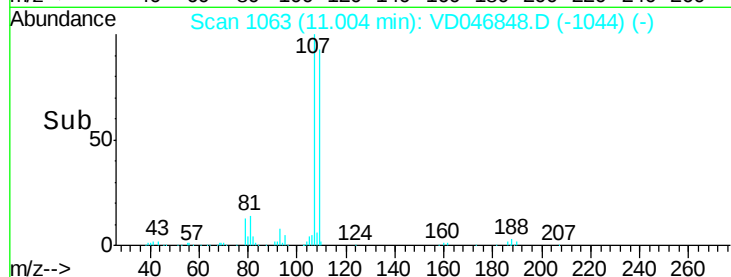
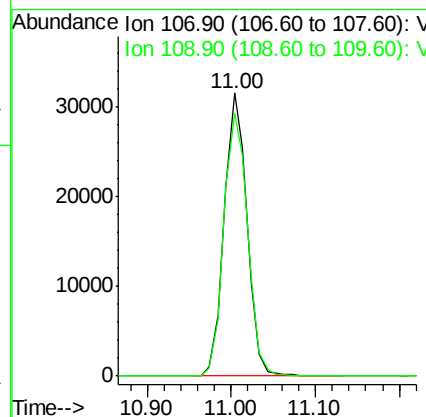
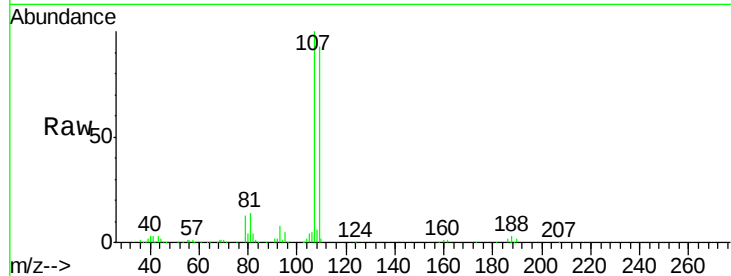
#61
 1,2-Dibromoethane
 Concen: 56.74 ug/l
 RT: 11.00 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

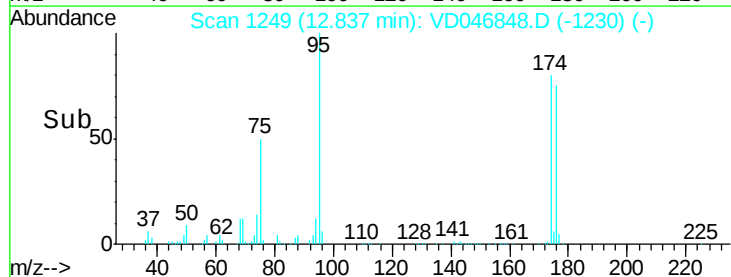
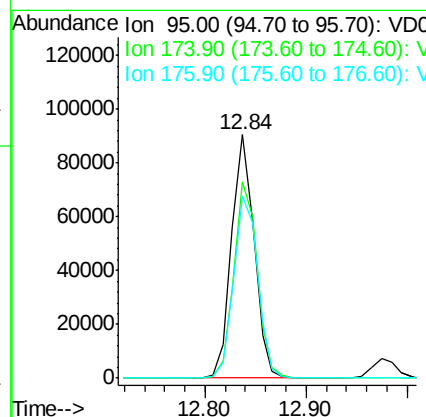
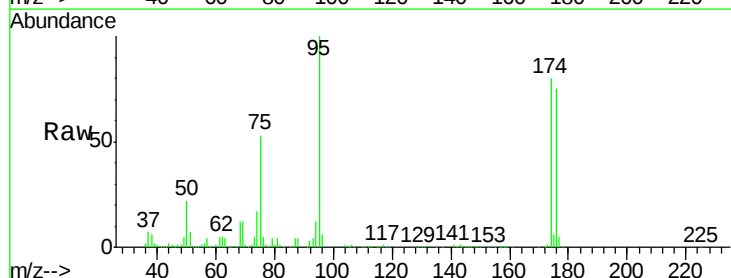
Manual Integrations
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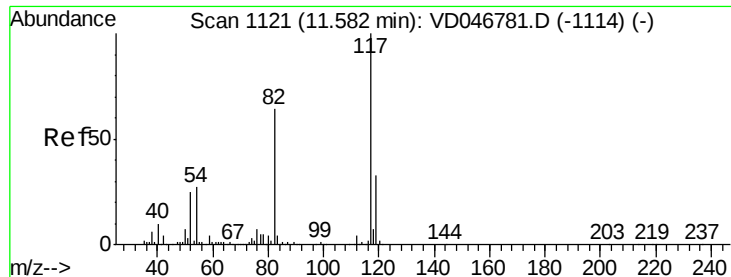
MMDadoda
 9/24/2015 12:56:40 PM



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

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





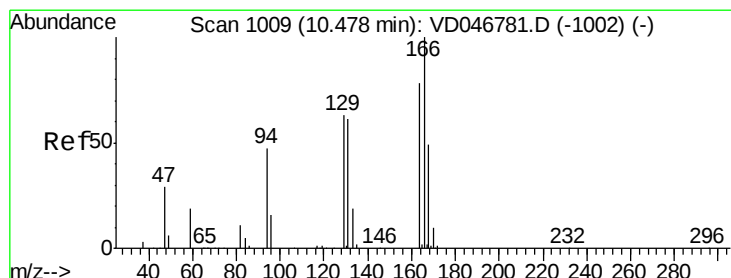
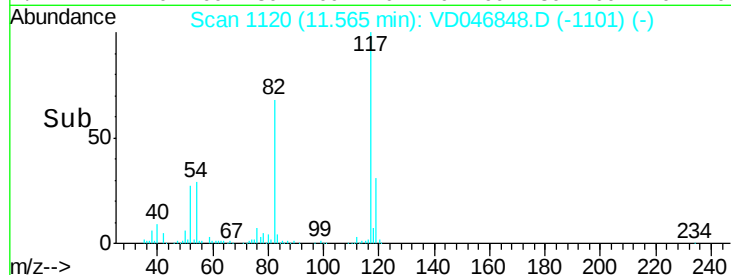
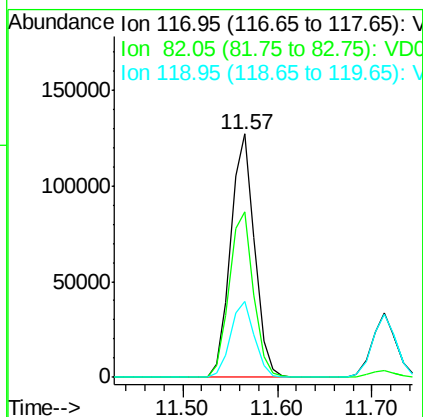
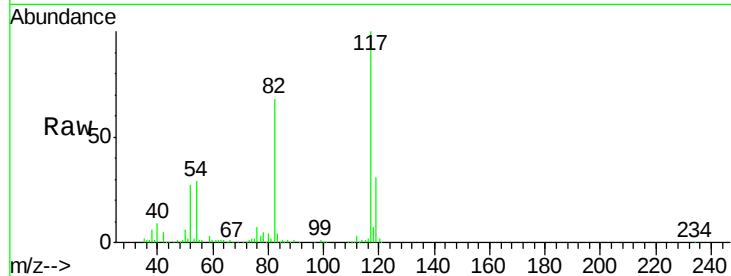
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	223506		
82	67.9	50.6	75.8	
119	31.3	25.8	38.8	

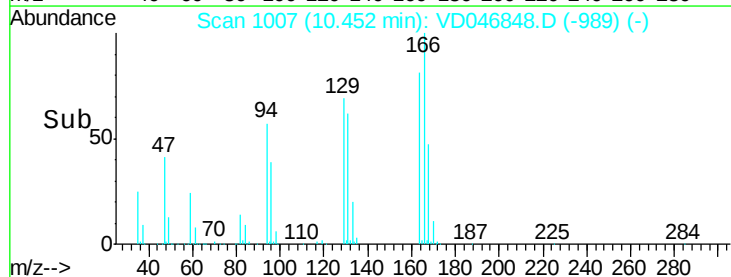
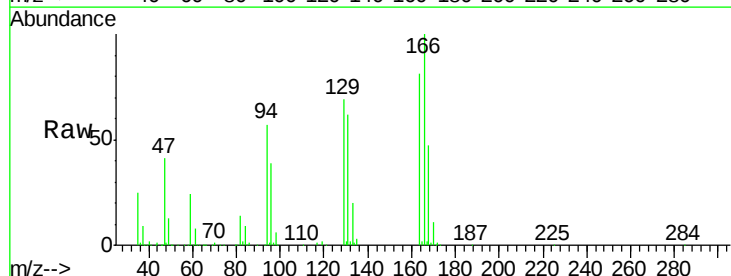
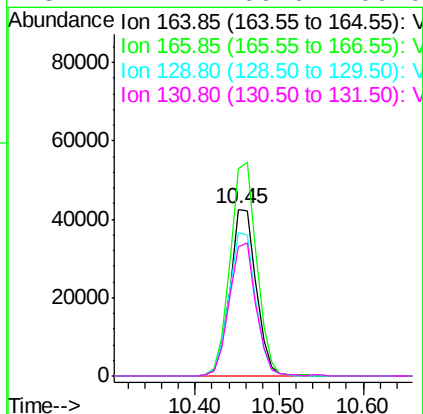
Manual Integrations
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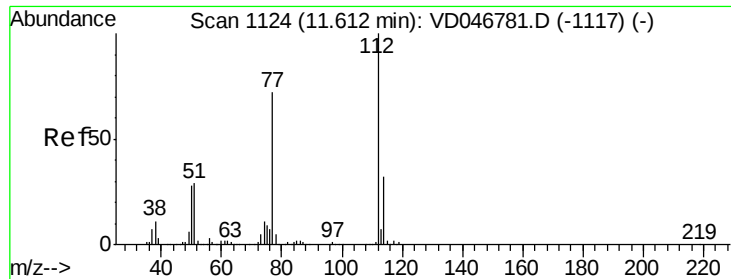
MMDadoda
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#64
Tetrachloroethene
Concen: 51.10 ug/l
RT: 10.45 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92237		
166	124.0	106.8	160.2	
129	85.9	70.6	106.0	
131	77.2	66.6	100.0	





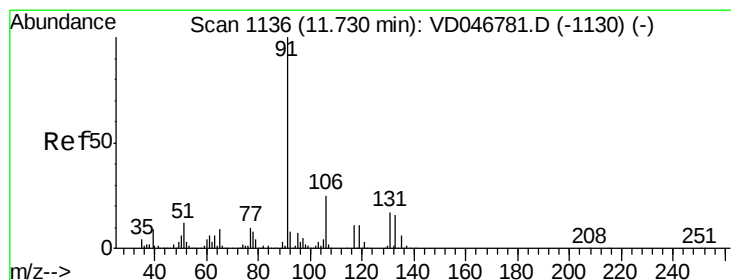
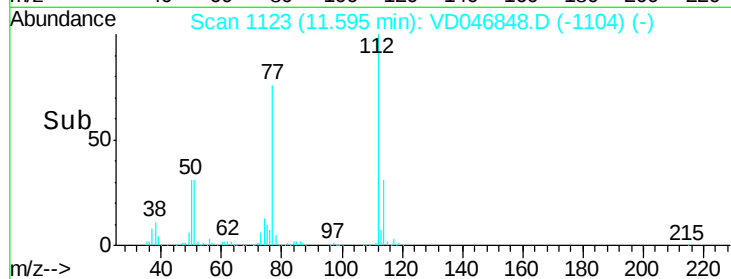
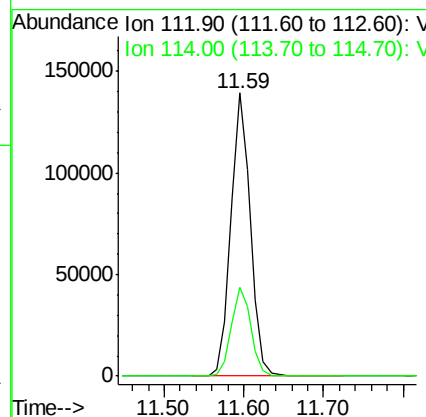
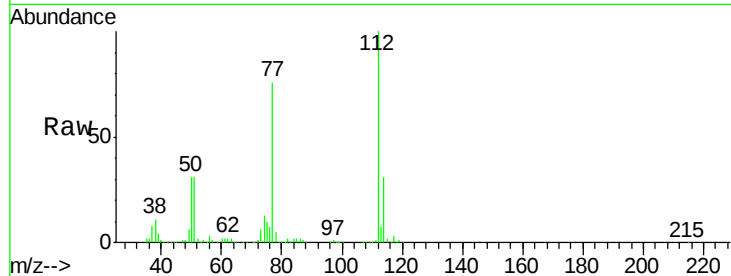
#65
Chlorobenzene
Concen: 51.38 ug/l
RT: 11.59 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 241724
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

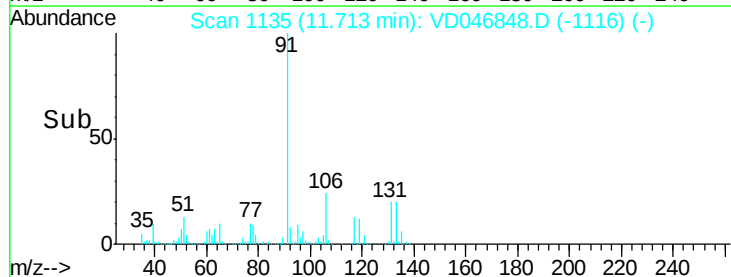
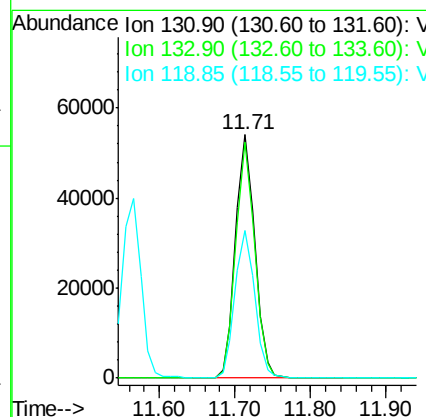
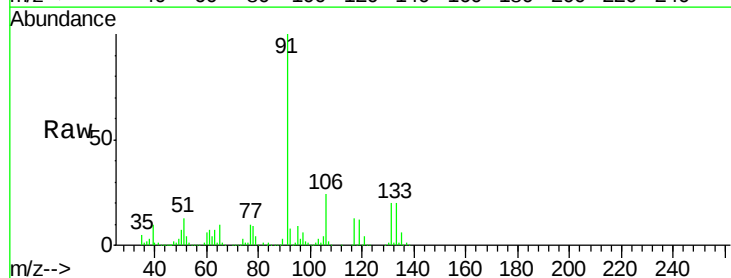
Manual Integrations
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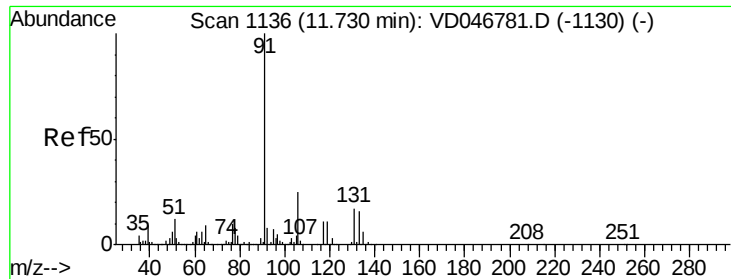
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.31 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion:131 Resp: 95558
Ion Ratio Lower Upper
131 100
133 96.8 48.4 145.0
119 60.6 31.5 94.5





#67

Ethyl Benzene

Concen: 55.26 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 522278

Ion Ratio Lower Upper

91 100

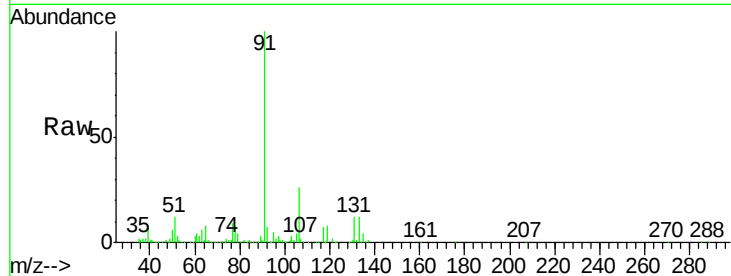
106 25.8 20.2 30.2

Manual Integrations

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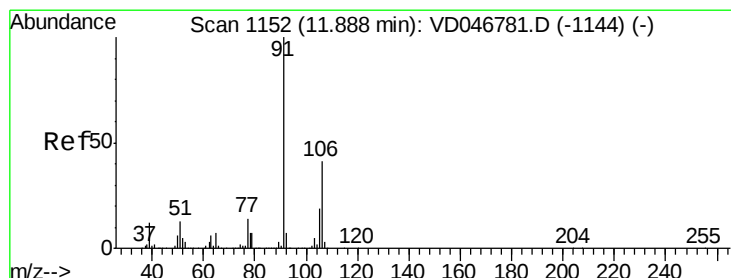
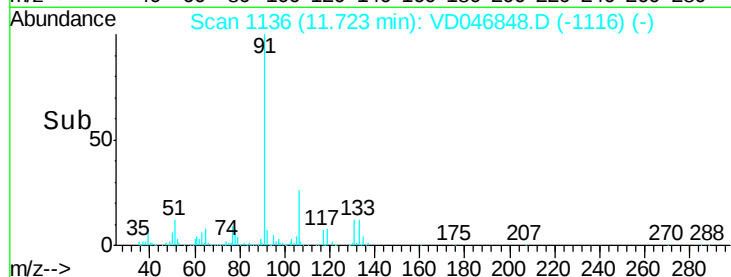
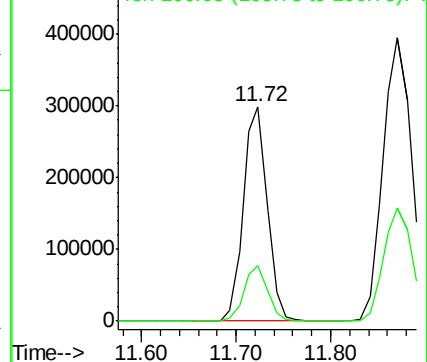
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 110.47 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046848.D

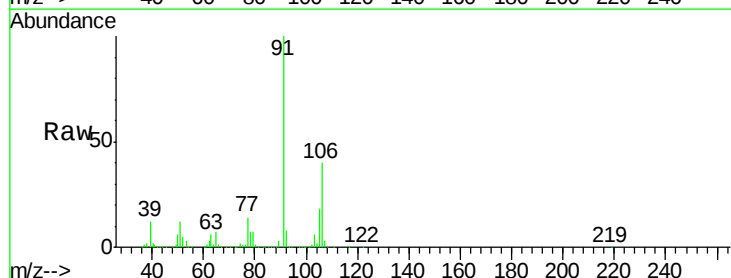
Acq: 23 Sep 2015 10:49

Tgt Ion: 106 Resp: 329319

Ion Ratio Lower Upper

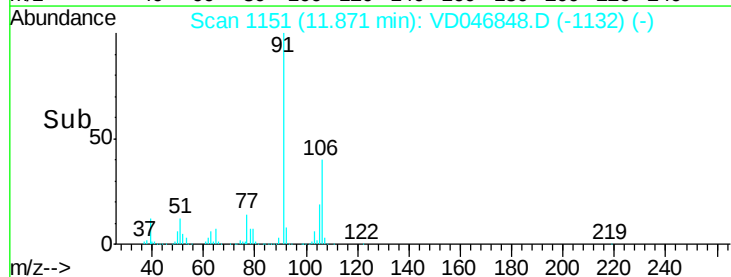
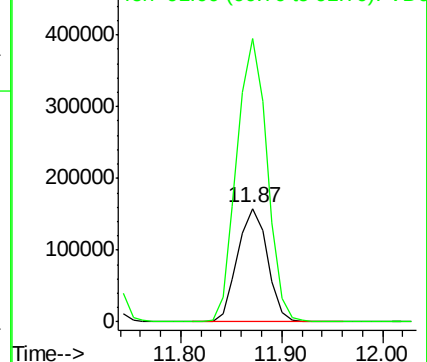
106 100

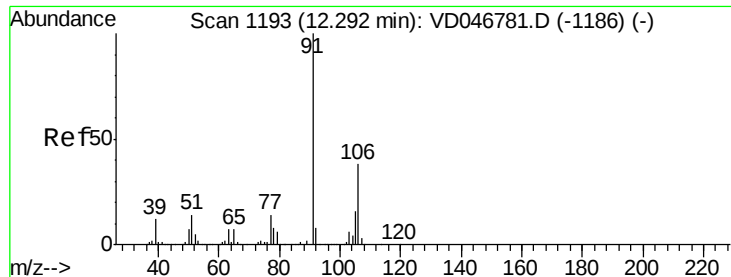
91 249.2 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





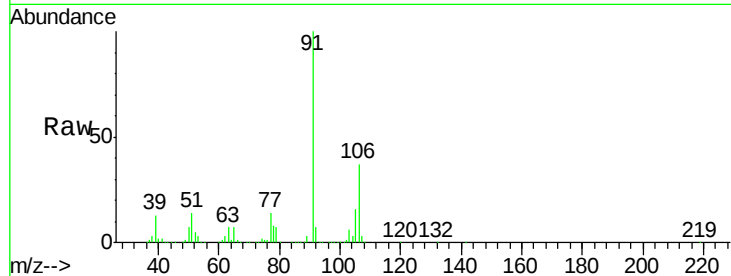
#69
o-Xylene
Concen: 56.06 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

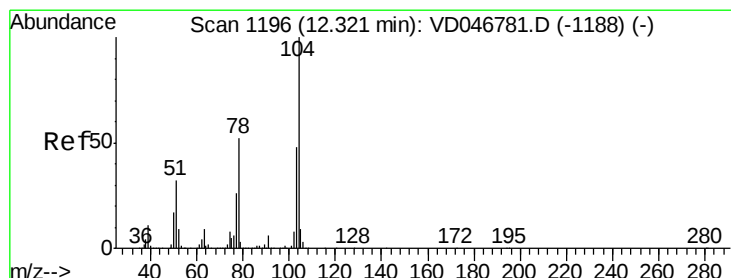
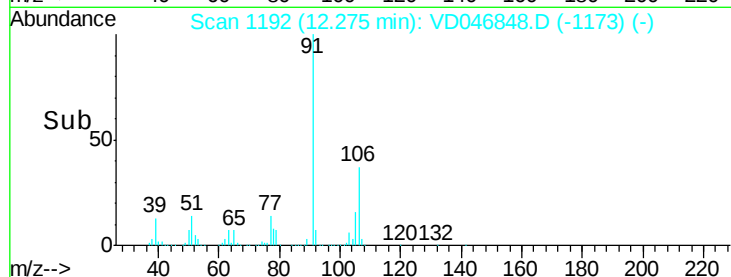
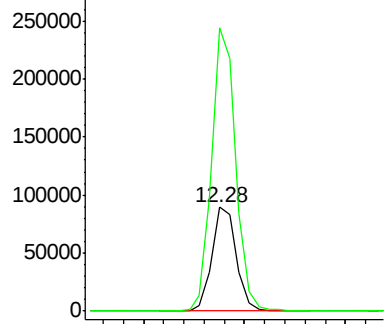
Tot Ion:106 Resp: 150432
Ion Ratio Lower Upper
106 100
91 272.2 124.8 374.5

Manual Integrations
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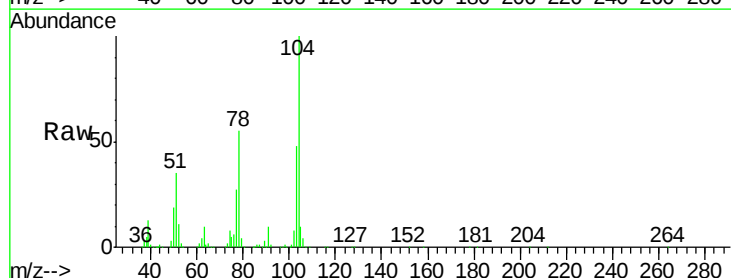


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

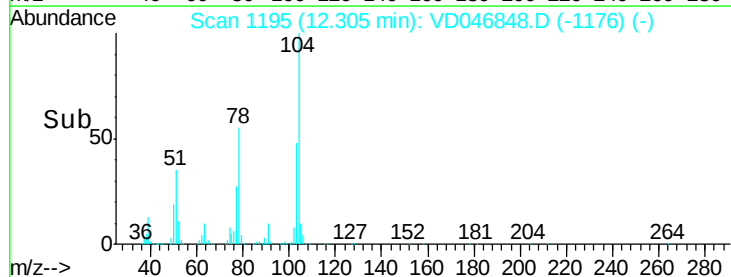
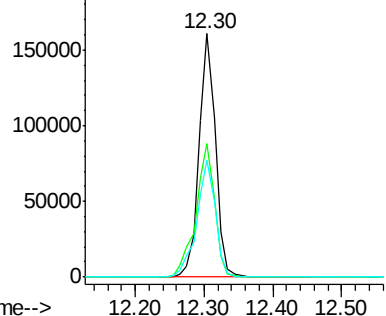


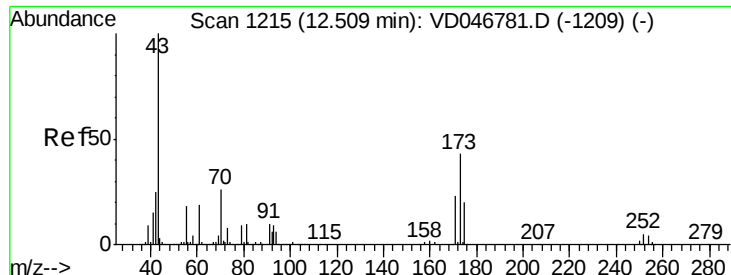
#70
Styrene
Concen: 56.77 ug/l
RT: 12.30 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

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



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





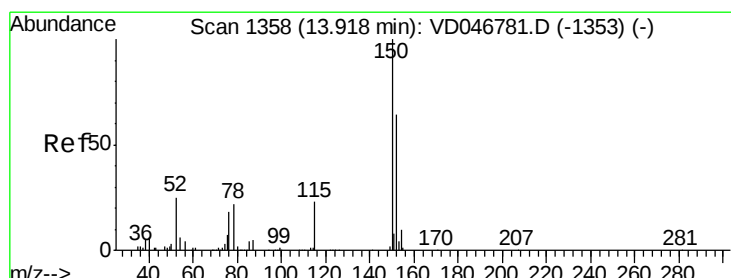
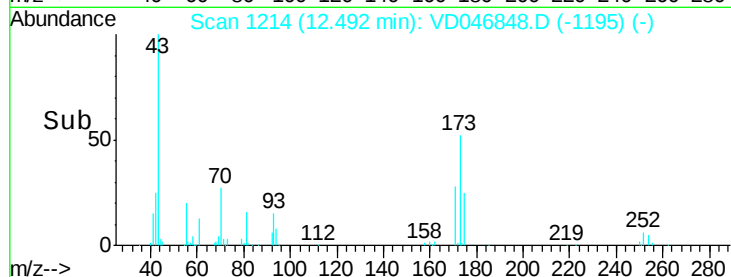
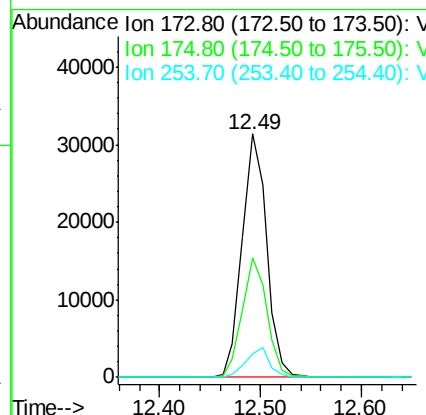
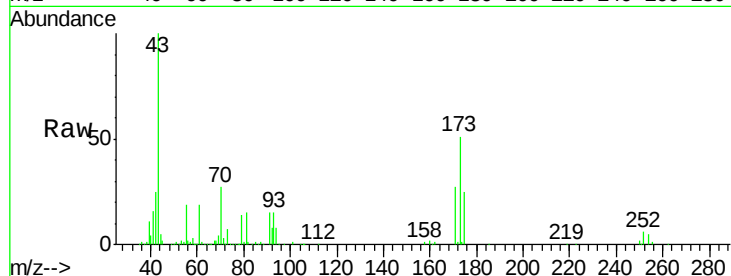
#71
Bromoform
Concen: 57.80 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

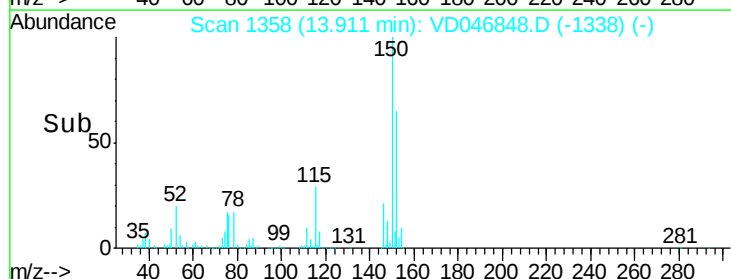
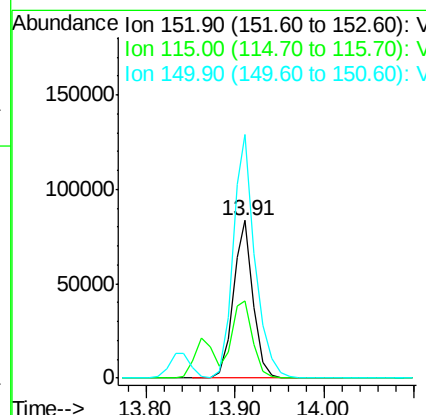
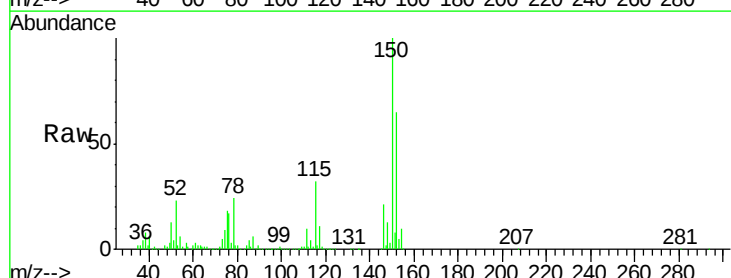
Manual Integrations
APPROVED

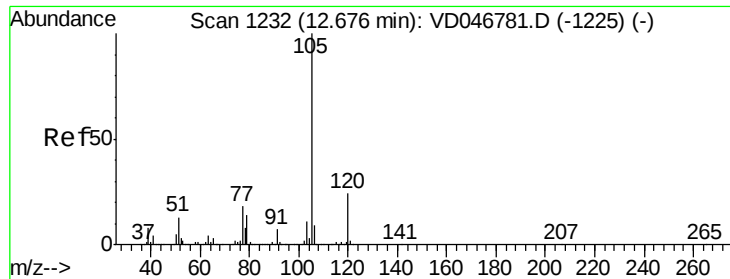
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

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





#73

Isopropylbenzene

Concen: 51.54 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 470872

Ion Ratio Lower Upper

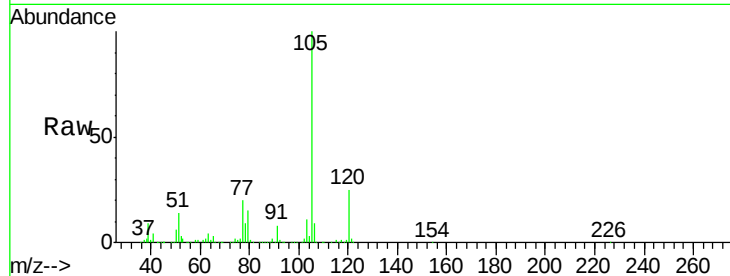
105 100

120 24.7 12.4 37.4

Manual Integrations
APPROVED

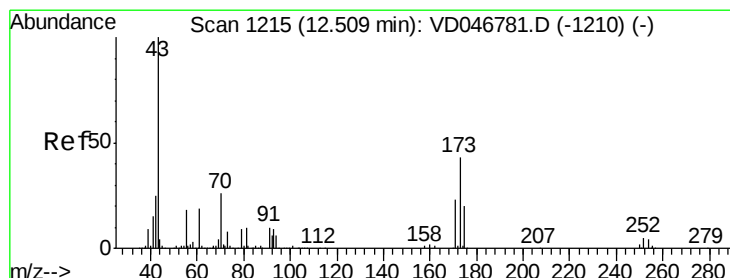
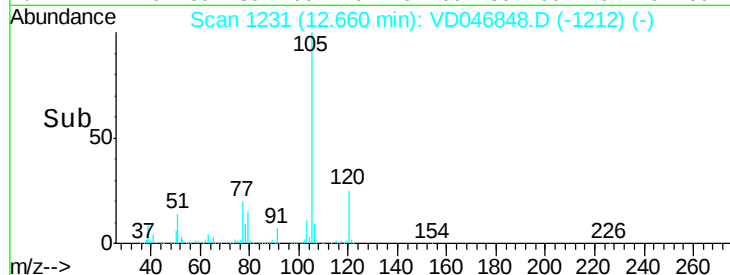
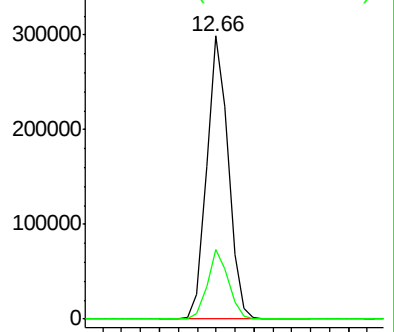
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 43.77 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion: 43 Resp: 99079

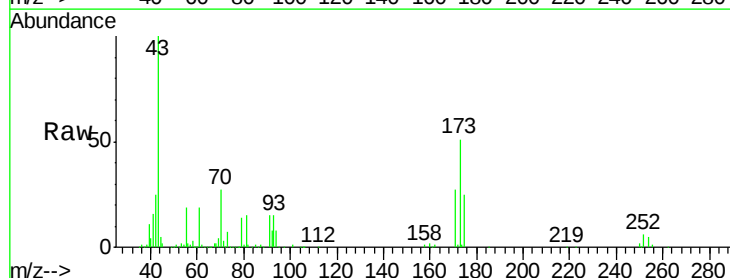
Ion Ratio Lower Upper

43 100

70 27.2 22.1 33.1

55 19.5 14.5 21.7

61 18.6 14.6 21.8

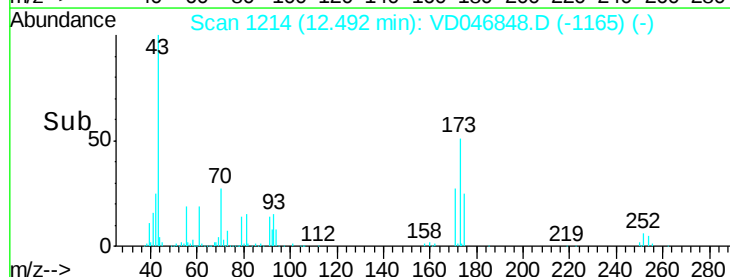
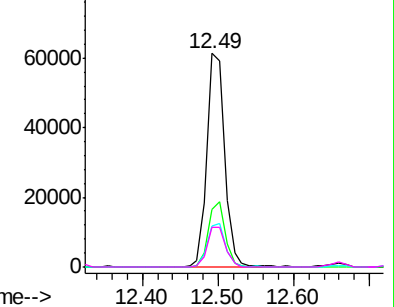


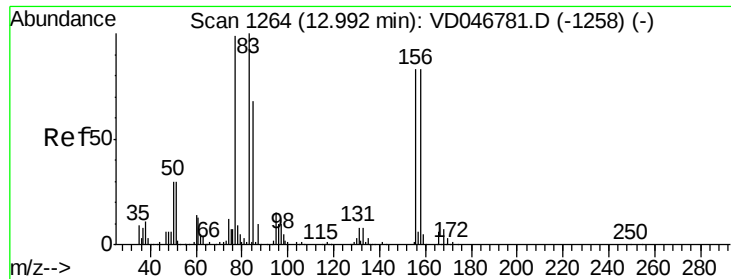
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.53 ug/l

RT: 12.97 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

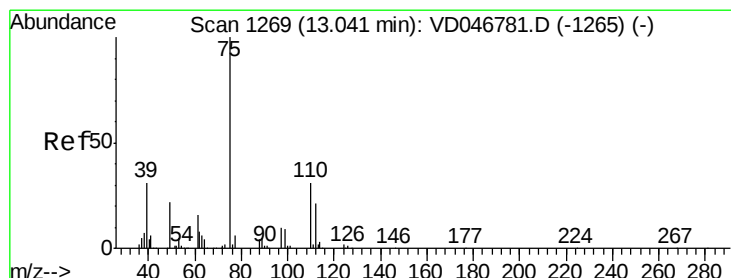
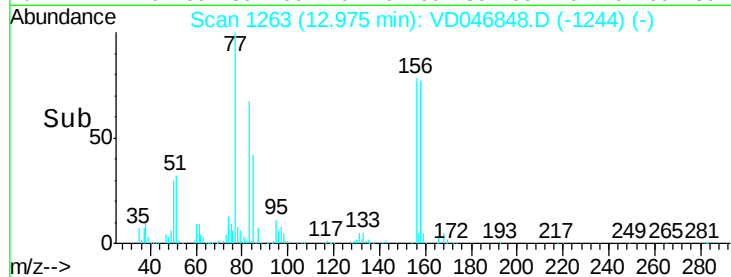
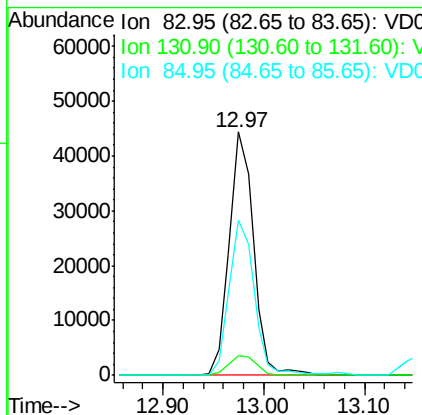
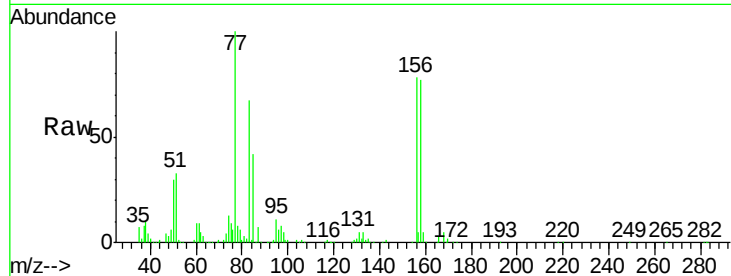
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	74492
Ion Ratio	Lower	Upper	
83	100		
131	8.0	3.9	11.7
85	63.8	30.5	91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.25 ug/l

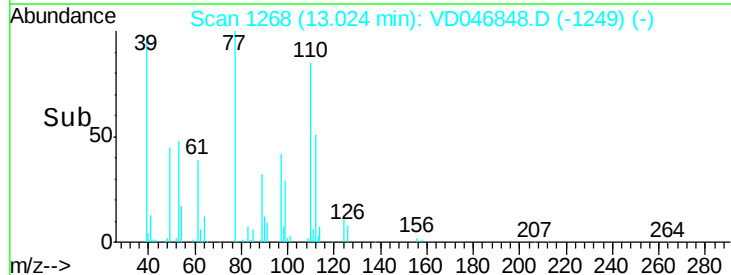
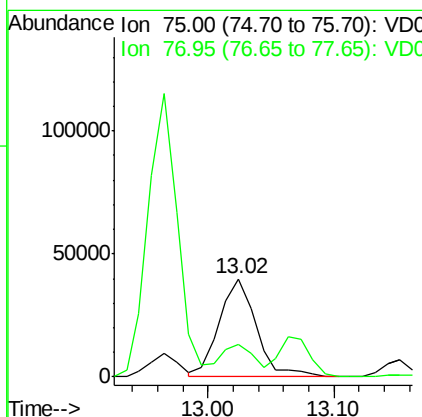
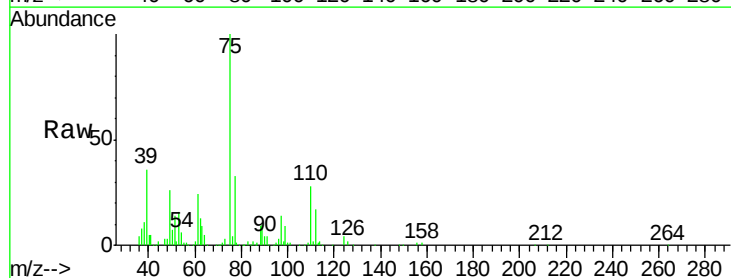
RT: 13.02 min Scan# 1268

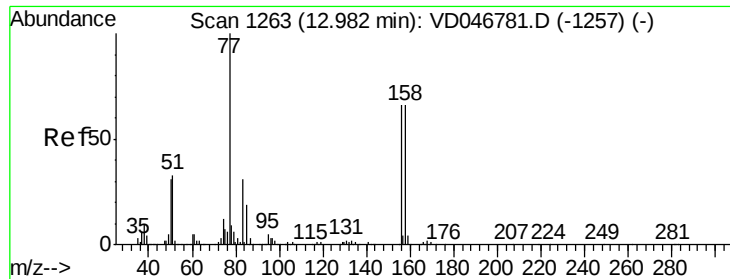
Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Tgt Ion:	75	Resp:	80835
Ion Ratio	Lower	Upper	
75	100		
77	33.3	16.0	48.0





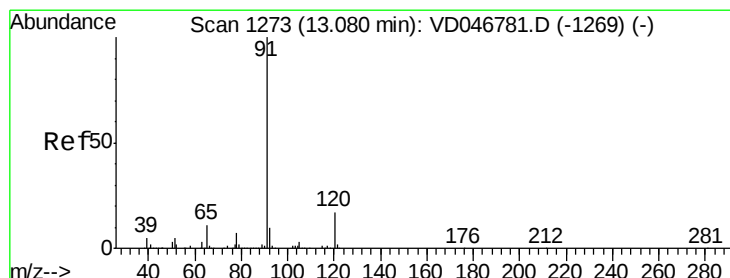
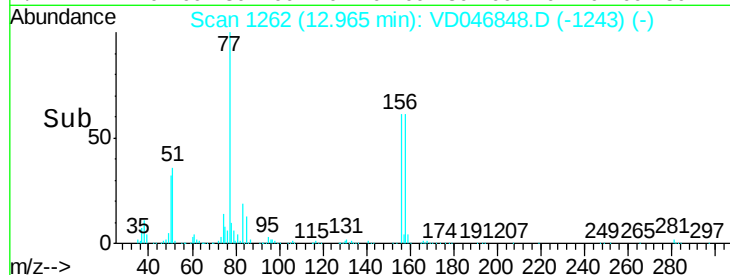
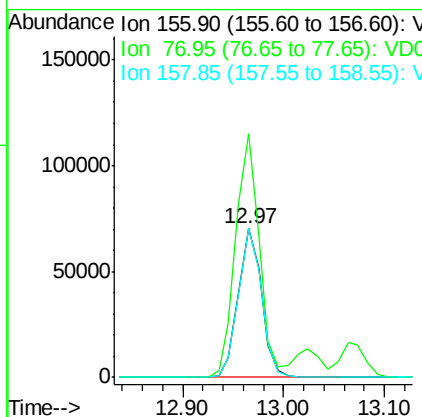
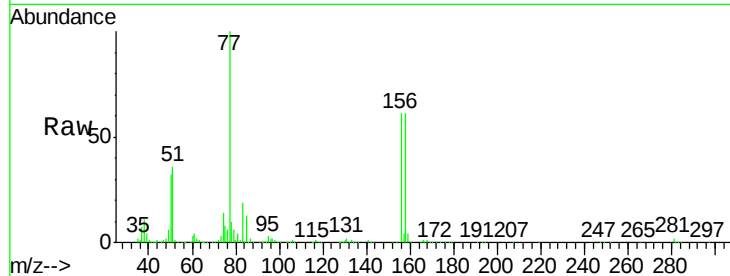
#77
Bromobenzene
Concen: 49.37 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	163.6	70.3	210.8
158	100.1	49.0	147.0

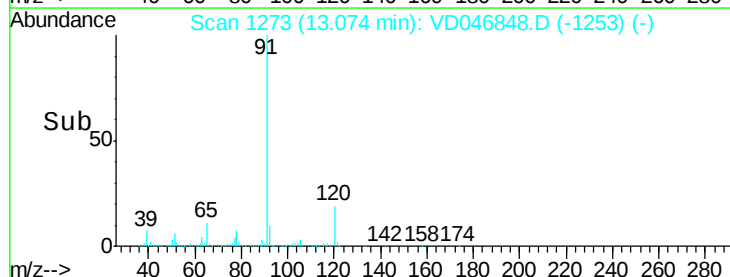
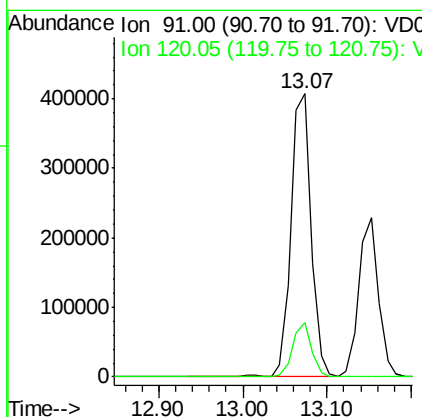
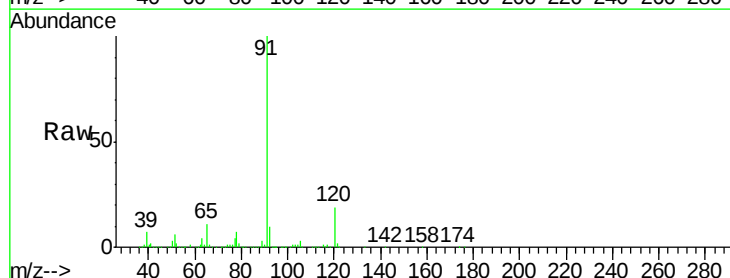
Manual Integrations
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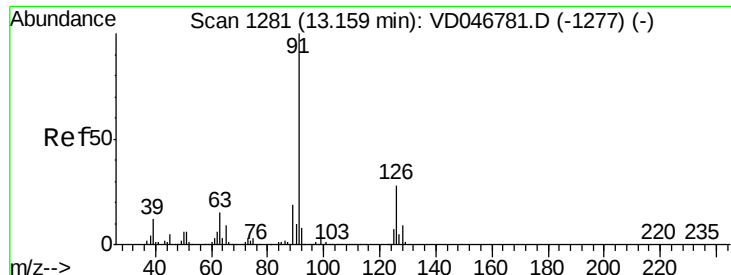
MMDadoda
9/24/2015 12:56:40 PM



#78
n-propylbenzene
Concen: 52.59 ug/l
RT: 13.07 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.0	9.3	27.7





#79

2-Chlorotoluene

Concen: 51.67 ug/l

RT: 13.15 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 370070

Ion Ratio Lower Upper

91 100

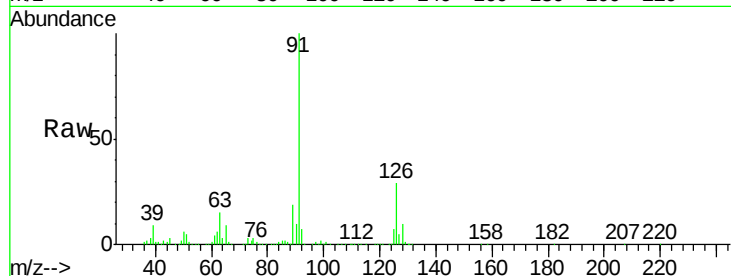
126 29.4 14.1 42.4

Manual Integrations

APPROVED

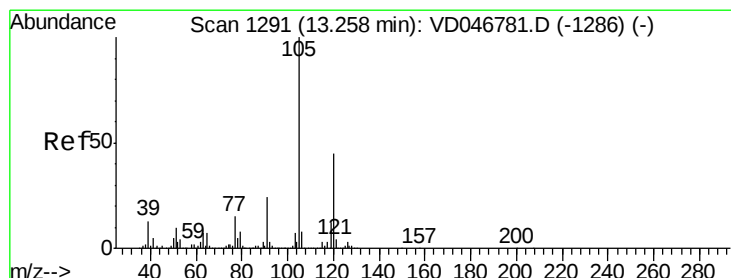
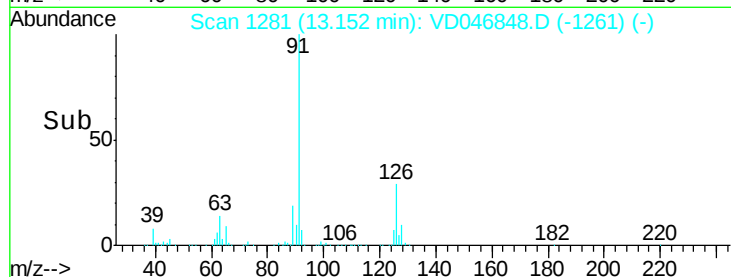
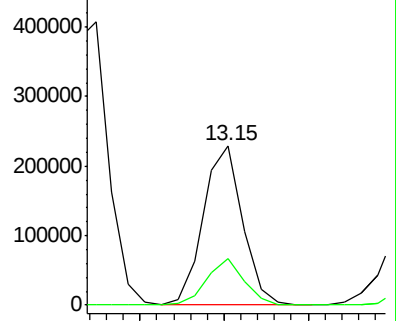
MMDadoda

9/24/2015 12:56:40 PM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.64 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD046848.D

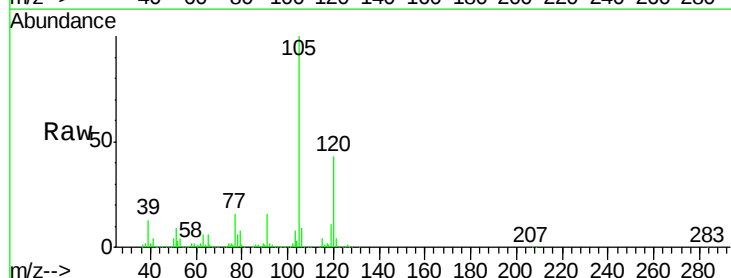
Acq: 23 Sep 2015 10:49

Tgt Ion:105 Resp: 383182

Ion Ratio Lower Upper

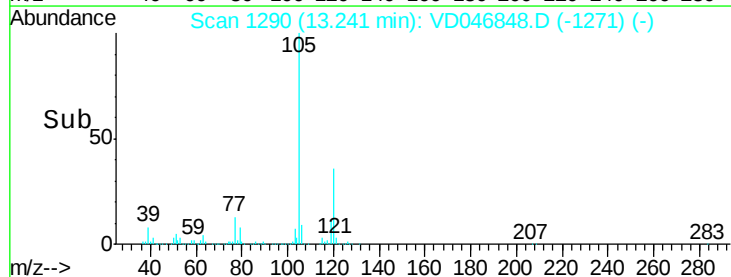
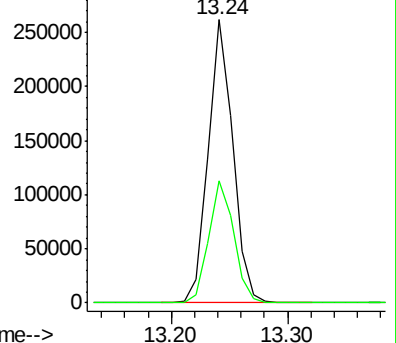
105 100

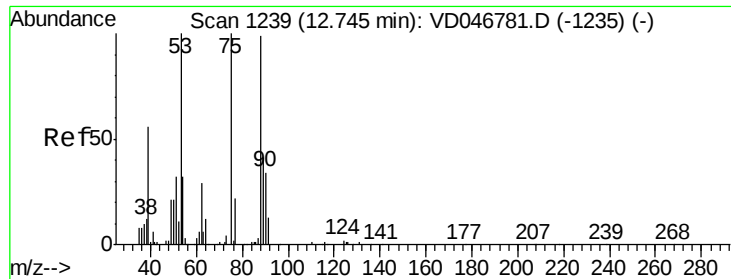
120 43.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





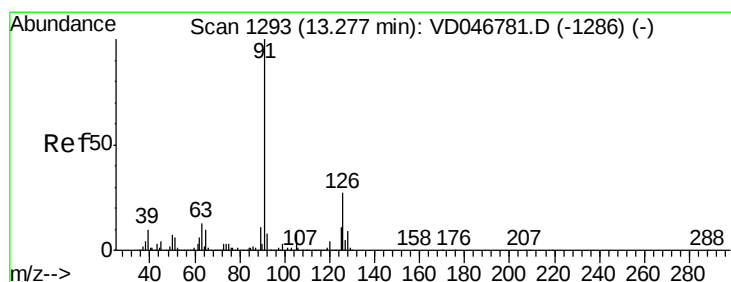
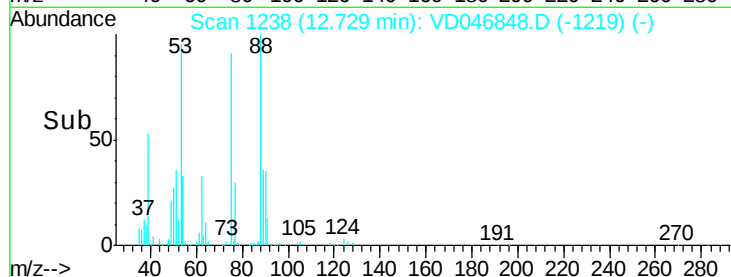
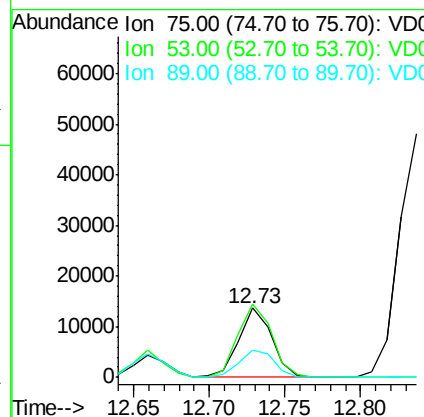
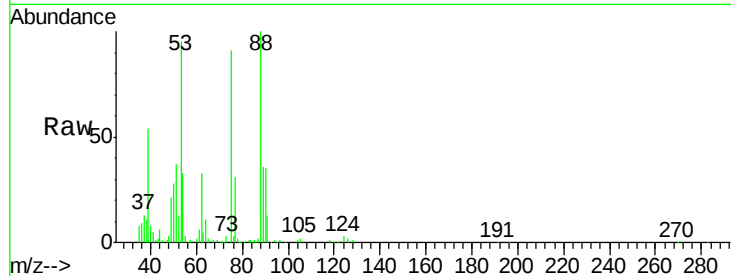
#81
trans-1,4-Dichloro-2-butene
Concen: 48.49 ug/l
RT: 12.73 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.5	82.3	123.5
89	40.0	36.6	54.8

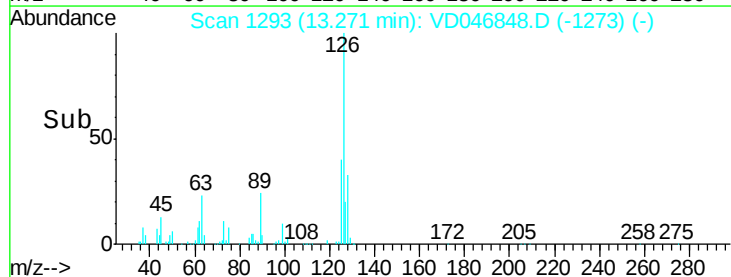
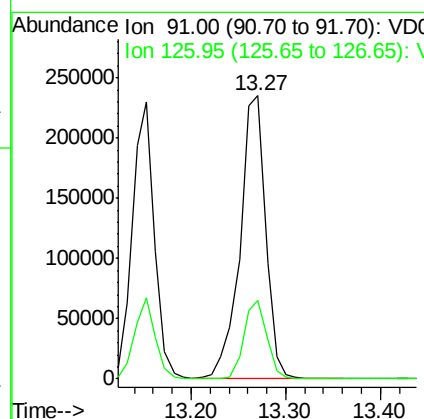
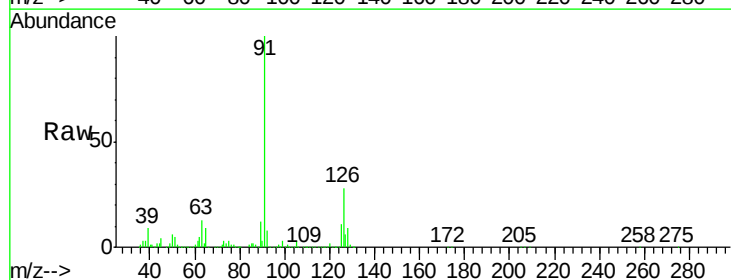
Manual Integrations
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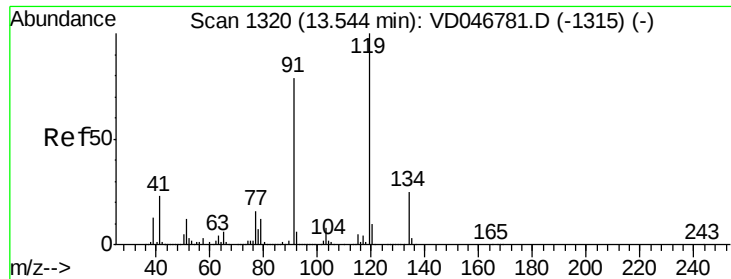
MMDadoda
9/24/2015 12:56:40 PM



#82
4-Chlorotoluene
Concen: 51.69 ug/l
RT: 13.27 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4





#83

tert-Butylbenzene

Concen: 54.86 ug/l m

RT: 13.53 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VD046848.D

Acq: 23 Sep 2015 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 360078

Ion Ratio Lower Upper

119 100

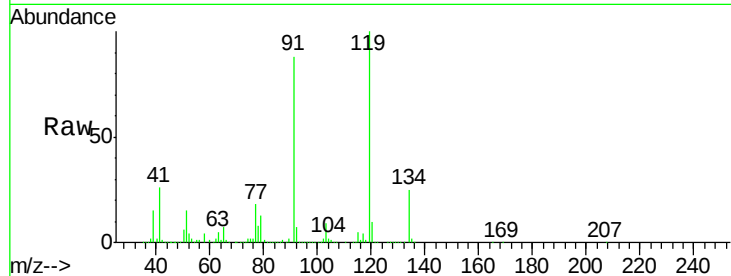
91 88.4 41.6 124.9

134 24.6 12.4 37.4

Manual Integrations
APPROVED

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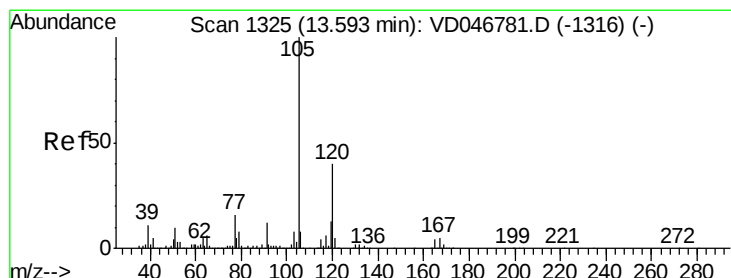
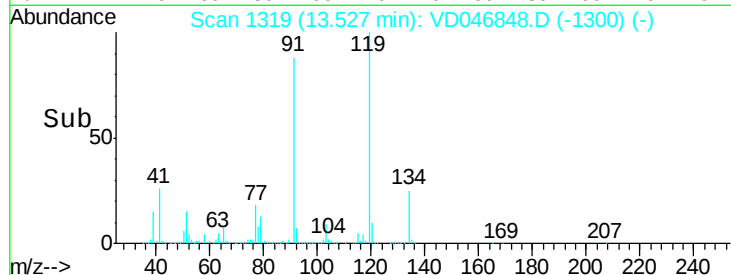
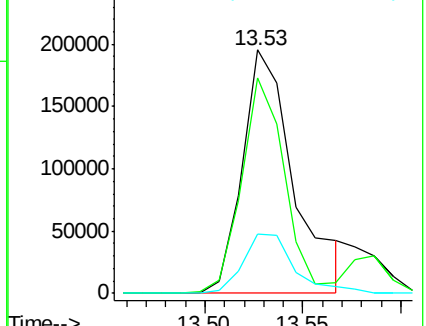
9/24/2015 12:56:40 PM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.91 ug/l

RT: 13.59 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VD046848.D

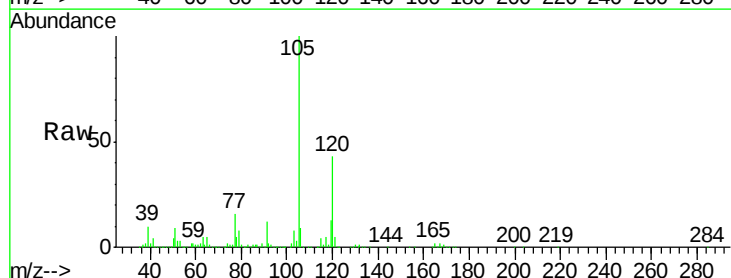
Acq: 23 Sep 2015 10:49

Tgt Ion:105 Resp: 387747

Ion Ratio Lower Upper

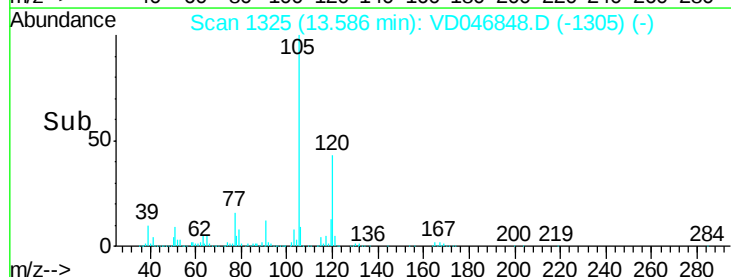
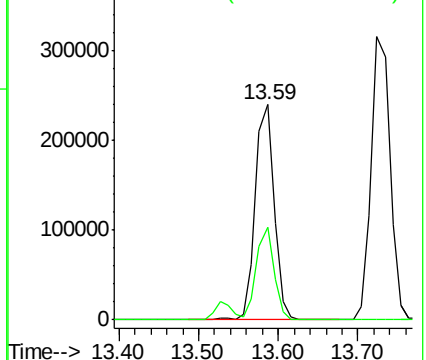
105 100

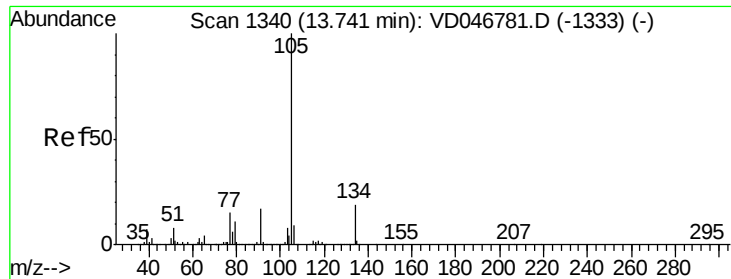
120 42.9 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





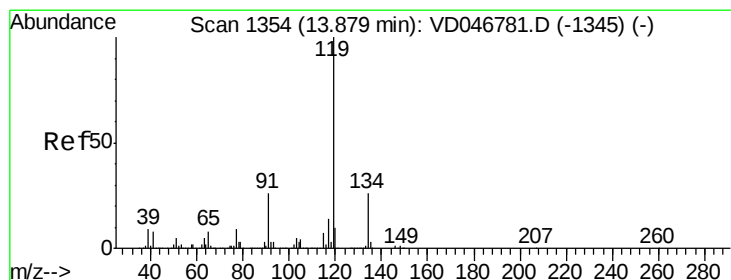
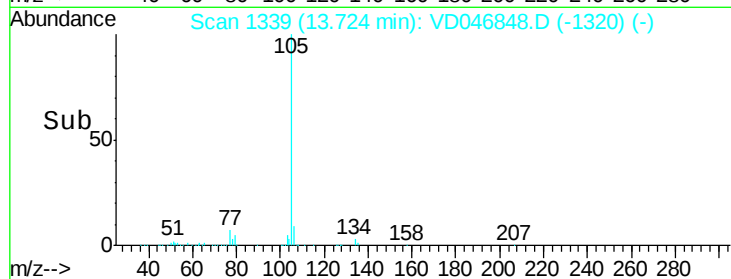
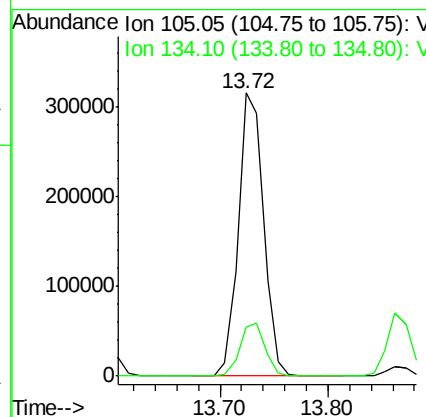
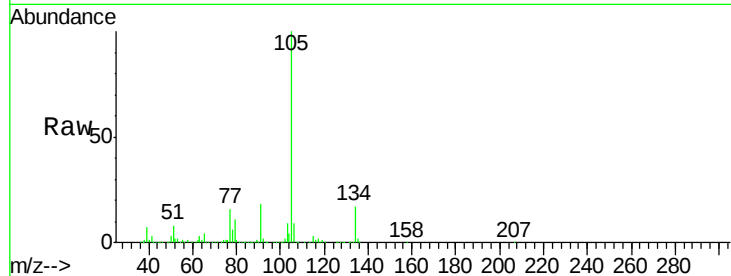
#85
 sec-Butylbenzene
 Concen: 52.94 ug/l
 RT: 13.72 min Scan# 1339
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

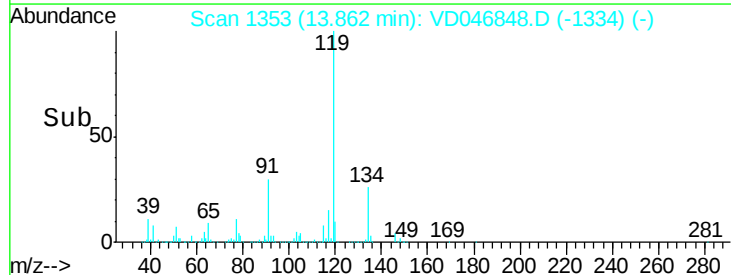
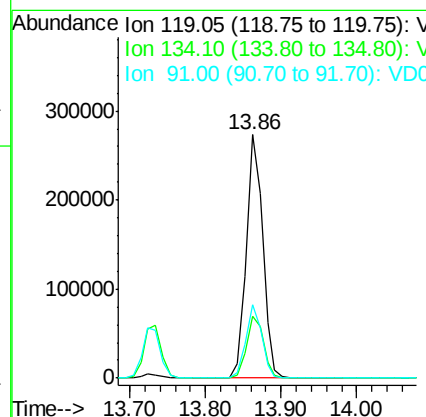
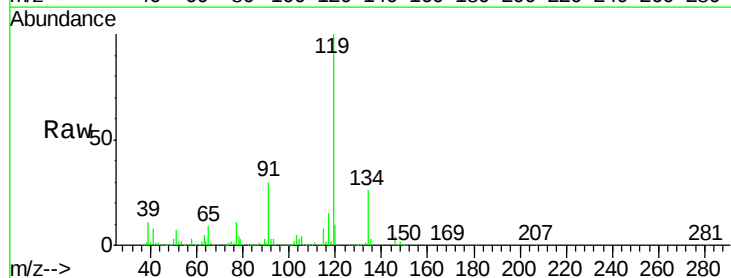
Manual Integrations
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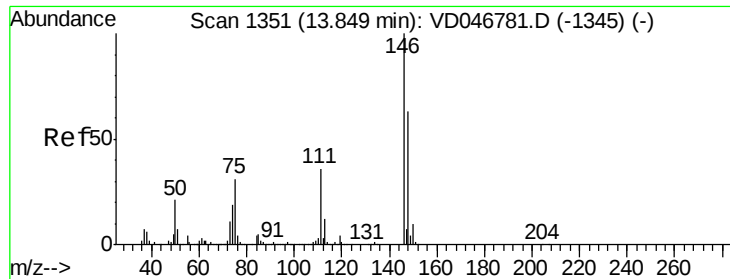
MMDadoda
 9/24/2015 12:56:40 PM



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

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





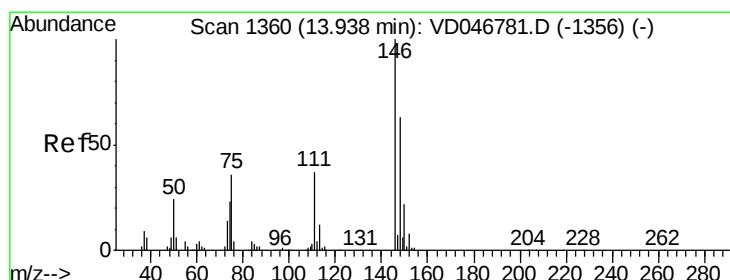
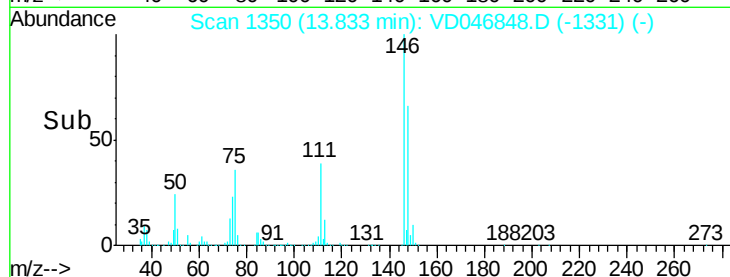
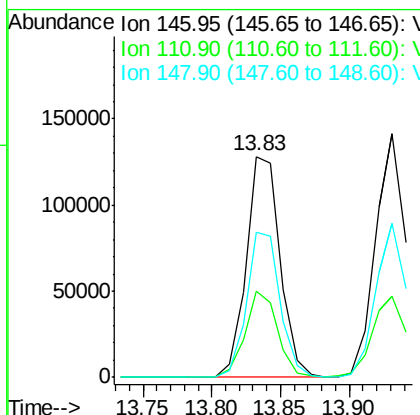
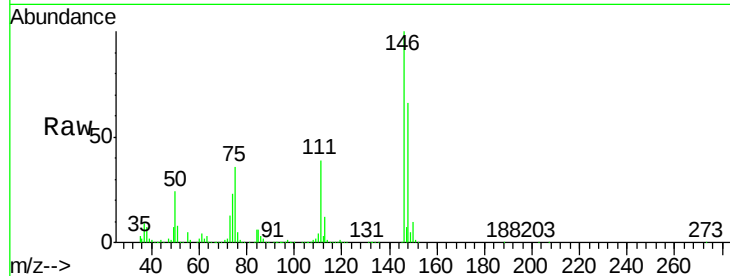
#87
 1,3-Dichlorobenzene
 Concen: 51.56 ug/l
 RT: 13.83 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

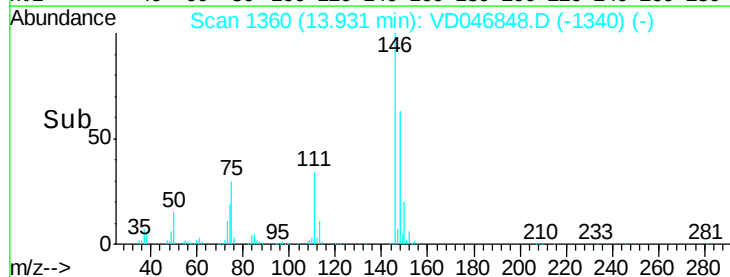
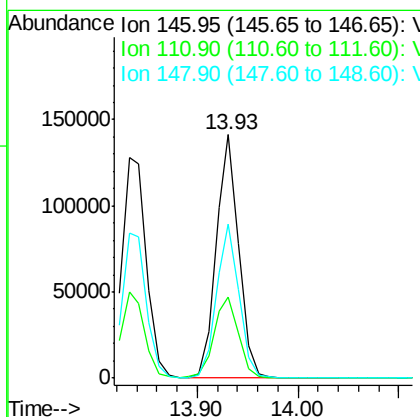
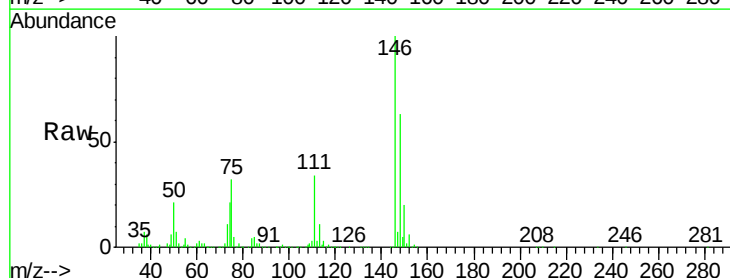
Manual Integrations
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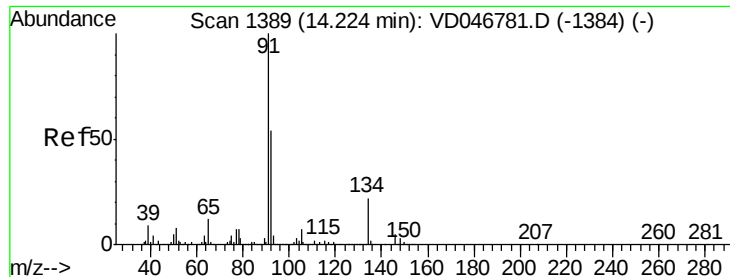
MMDadoda
 9/24/2015 12:56:40 PM



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

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





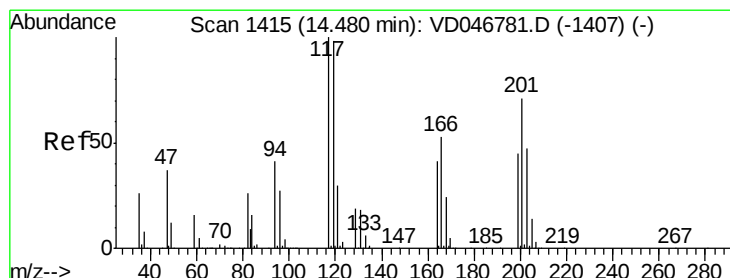
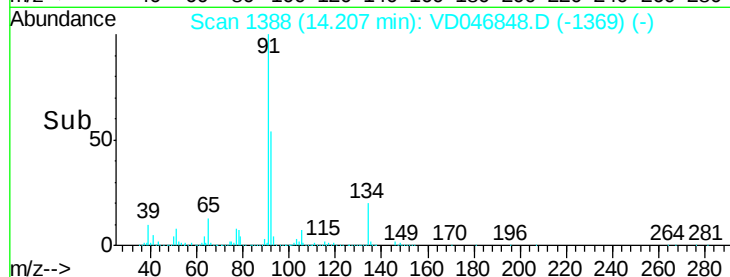
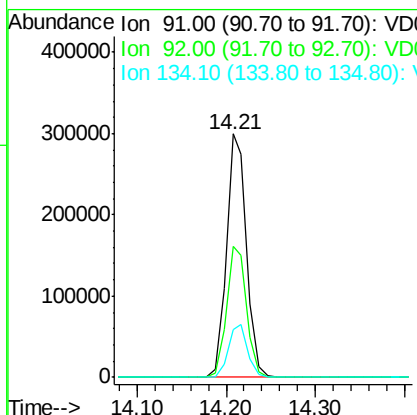
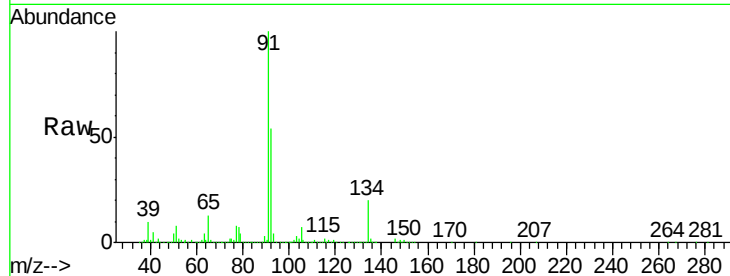
#89
n-Butylbenzene
Concen: 55.50 ug/l
RT: 14.21 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

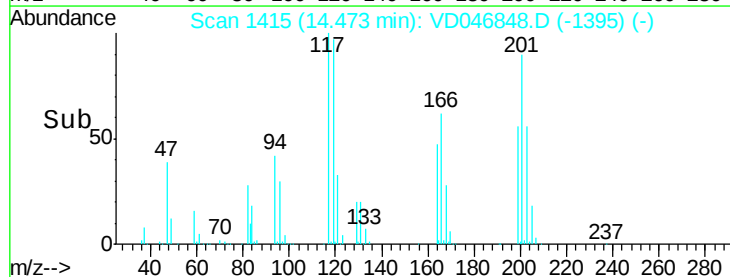
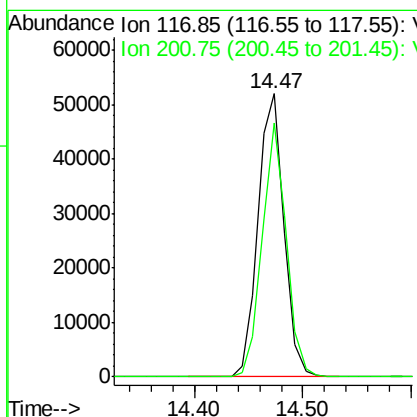
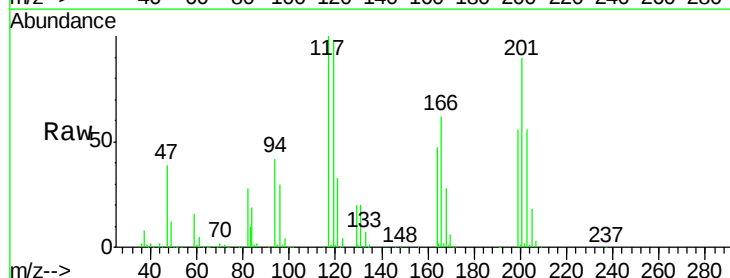
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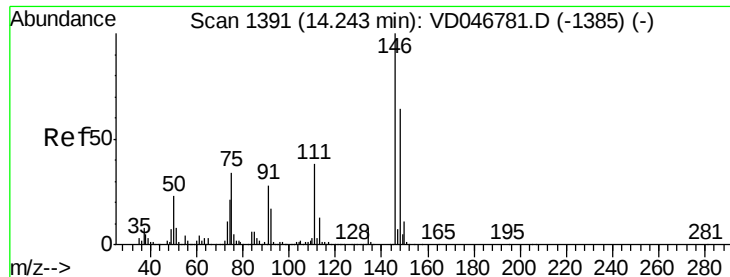
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9/24/2015 12:56:40 PM



#90
Hexachloroethane
Concen: 49.77 ug/l
RT: 14.47 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	41.0	123.0





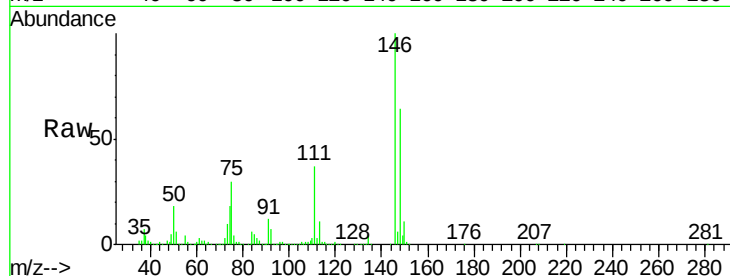
#91
 1,2-Dichlorobenzene
 Concen: 52.56 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

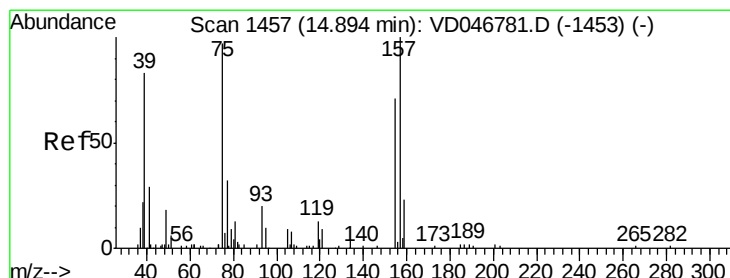
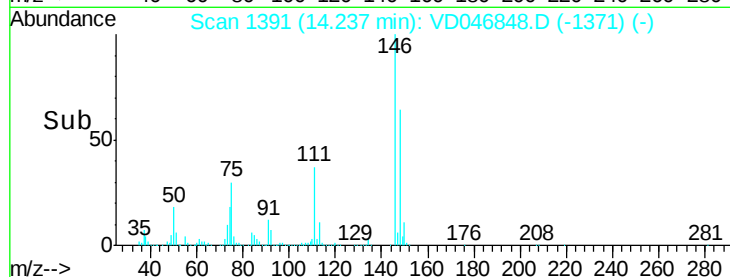
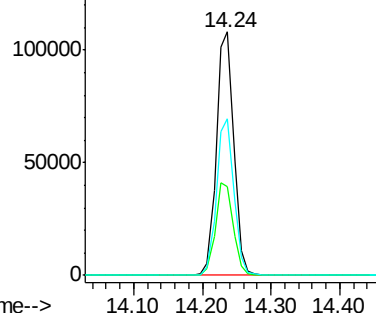
Tot Ion	Ratio	Resp	Lower	Upper
146	100	189239		
111	36.6	18.2	54.6	
148	64.1	31.1	93.3	

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 9/24/2015 12:56:40 PM

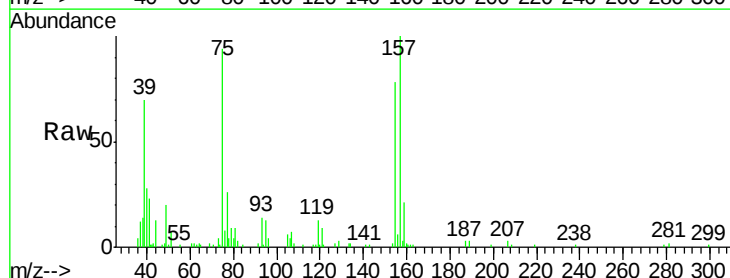


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

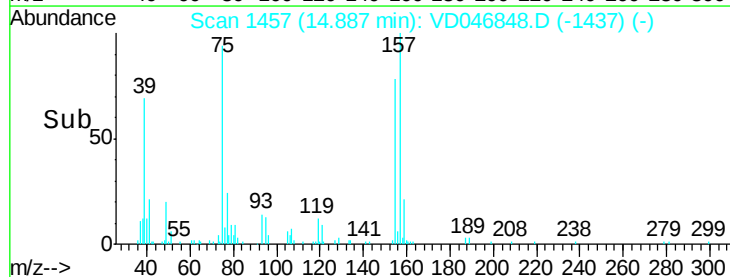
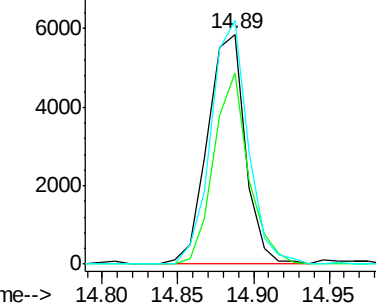


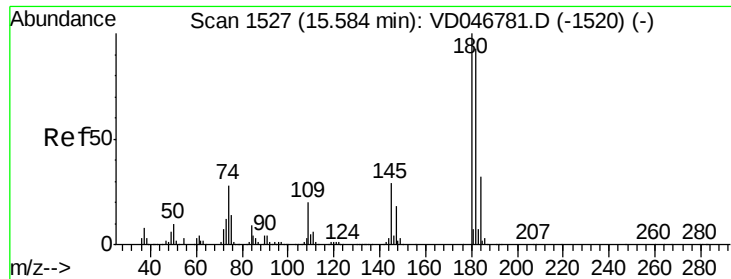
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.72 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10179		
155	83.2	41.4	124.4	
157	106.0	65.0	195.1	



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





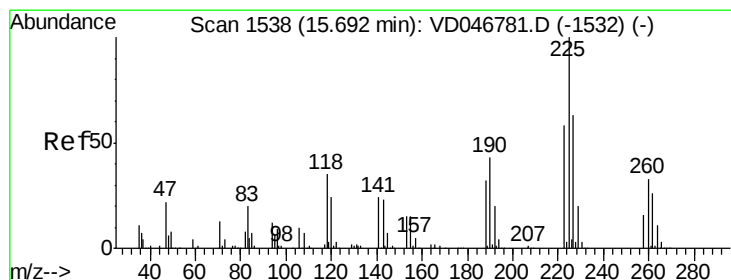
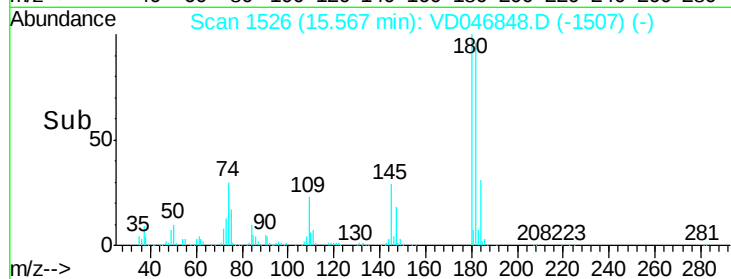
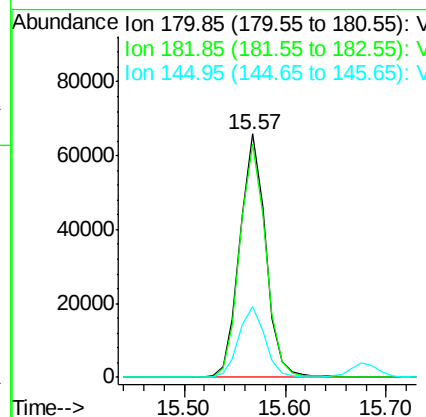
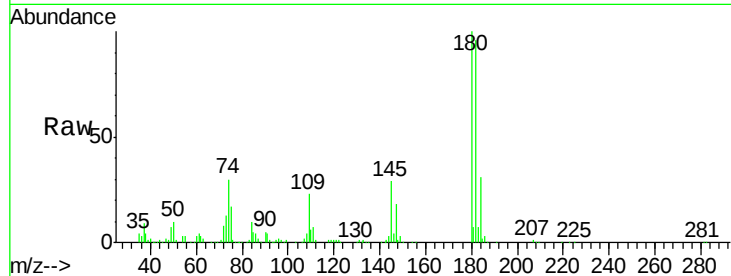
#93
 1,2,4-Trichlorobenzene
 Concen: 56.77 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046848.D
 Acq: 23 Sep 2015 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

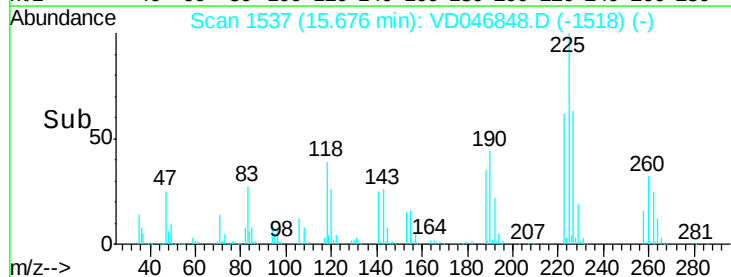
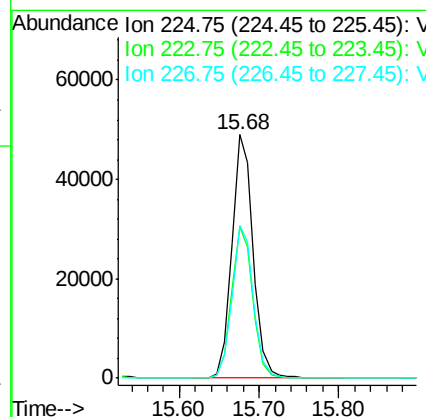
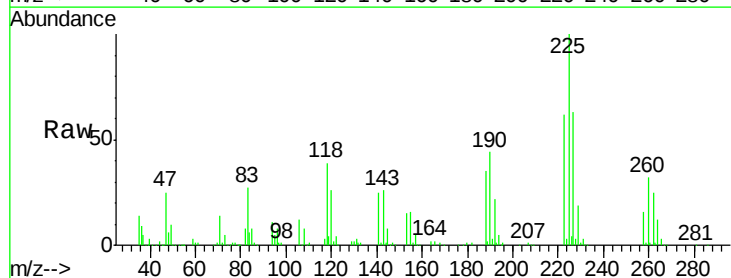
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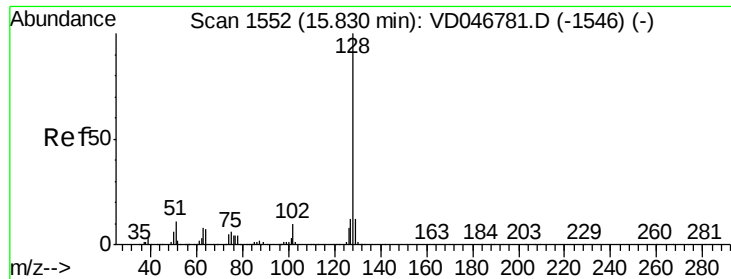
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 9/24/2015 12:56:40 PM



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

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92027		
223	62.1	30.4	91.2	
227	62.9	31.3	93.9	





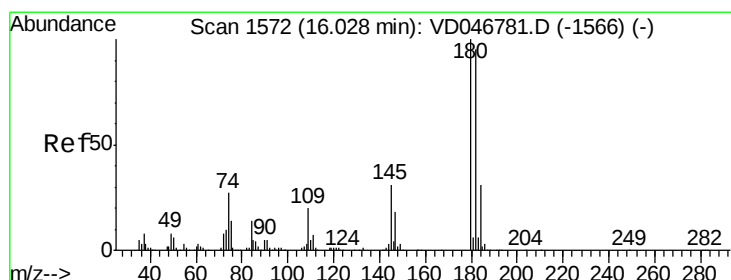
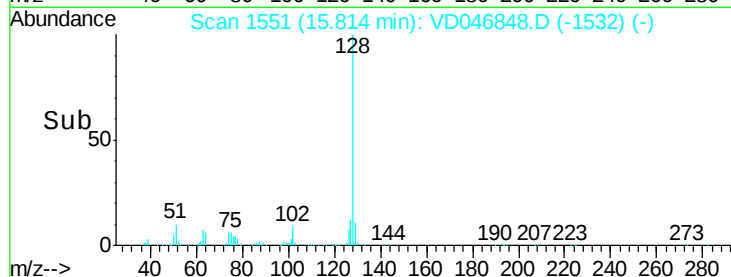
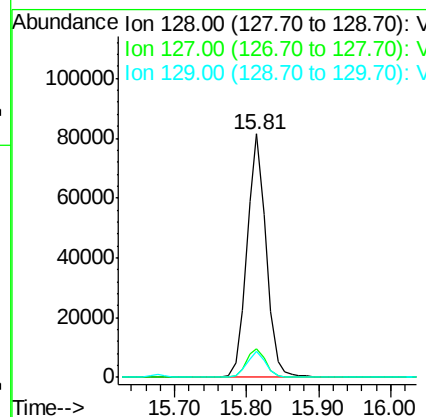
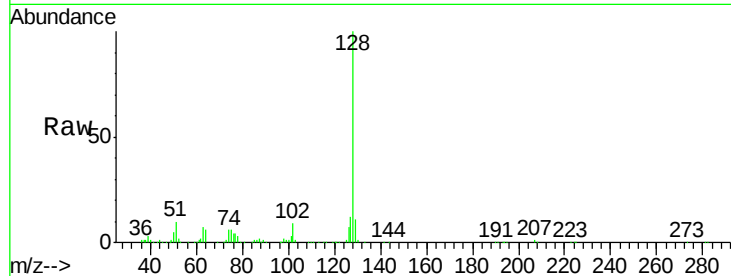
#95
Naphthalene
Concen: 54.64 ug/l
RT: 15.81 min Scan# 1551
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	11.9	9.8	14.6
129	10.6	8.6	12.8

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9/24/2015 12:56:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.92 ug/l
RT: 16.01 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VD046848.D
Acq: 23 Sep 2015 10:49

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	90.3	47.4	142.3
145	29.8	15.4	46.4

