

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046850.D
 Acq On : 23 Sep 2015 12:58
 Operator : FY/SY
 Sample : VD0923SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2015 12:56:48 PM

Quant Time: Sep 24 02:02:17 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	6.28	168	178930	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	223529	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	217697	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.90	152	124263	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	97786	52.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.12%	
35) Dibromofluoromethane	6.19	113	91118	52.10	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	9.59	98	288596	52.31	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.84	95	118287	53.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	39600	21.78	ug/l	97
3) Chlorodifluoromethane	1.43	51	29305	18.05	ug/l #	90
4) Chloromethane	1.57	50	19598	18.58	ug/l	97
5) Vinyl Chloride	1.67	62	19219	19.40	ug/l	94
6) Bromomethane	1.97	94	19609	20.43	ug/l	95
7) Chloroethane	2.07	64	13127	21.17	ug/l	99
8) Trichlorofluoromethane	2.32	101	66080	22.55	ug/l	96
9) Diethyl Ether	2.62	74	9211	17.73	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	2.88	101	36181	19.73	ug/l	98
11) Methyl Iodide	3.04	142	29413	14.99	ug/l #	83
12) Tert butyl alcohol	3.64	59	8184	100.12	ug/l #	88
13) 1,1-Dichloroethene	2.86	96	25816	18.01	ug/l	94
14) Acrolein	2.76	56	7031	73.98	ug/l	97
15) Allyl chloride	3.32	41	50312	17.29	ug/l #	79
16) Acrylonitrile	3.82	53	17637	81.19	ug/l	88
17) Acetone	2.93	43	33293	105.92	ug/l #	91
18) Carbon Disulfide	3.12	76	93494	17.41	ug/l	98
19) Methyl Acetate	3.33	43	32141	17.65	ug/l	99
20) Methyl tert-butyl Ether	3.88	73	43010	19.15	ug/l #	87
21) Methylene Chloride	3.49	84	30824	18.06	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	29729	18.39	ug/l	99
23) Diisopropyl ether	4.64	45	85418	17.68	ug/l #	87
24) Vinyl Acetate	4.59	43	83018	83.89	ug/l	99
25) 1,1-Dichloroethane	4.54	63	55281	18.57	ug/l	98
26) 2-Butanone	5.44	43	32741	92.68	ug/l #	87
27) 2,2-Dichloropropane	5.41	77	63670	20.82	ug/l	97
28) cis-1,2-Dichloroethene	5.42	96	31094	18.48	ug/l	85
29) Bromochloromethane	5.77	49	22691	19.35	ug/l	93
30) Chloroform	5.95	83	73195	20.27	ug/l	95
31) Cyclohexane	6.26	56	49442	17.70	ug/l #	84
32) 1,1,1-Trichloroethane	6.16	97	68014	21.16	ug/l	98
36) 1,1-Dichloropropene	6.41	75	53812	20.60	ug/l	99
37) Ethyl Acetate	5.52	43	15488	18.46	ug/l	99
38) Carbon Tetrachloride	6.39	117	60784	22.39	ug/l	96

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 Sample : VD0923SBS01
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0923SBS01

Manual Integrations
 APPROVED

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Quant Time: Sep 24 02:02:17 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)
39) Methylcyclohexane	8.07	83	49116	18.56	ug/l	97
40) Benzene	6.70	78	128885	19.33	ug/l	96
41) Methacrylonitrile	5.74	41	8187	17.40	ug/l #	72
42) 1,2-Dichloroethane	6.82	62	46674	22.53	ug/l	99
43) Isopropyl Acetate	8.39	43	19000	17.18	ug/l #	88
44) Trichloroethene	7.73	130	32869	19.69	ug/l	95
45) 1,2-Dichloropropane	8.13	63	30637	18.54	ug/l	93
46) Dibromomethane	8.25	93	19266	20.54	ug/l	93
47) Bromodichloromethane	8.54	83	52834	21.46	ug/l	95
48) Methyl methacrylate	8.06	41	32439	19.18	ug/l #	86
49) 1,4-Dioxane	8.28	88	2208	352.95	ug/l #	80
51) 4-Methyl-2-Pentanone	9.47	43	72509	90.72	ug/l	99
52) Toluene	9.70	92	84818	20.62	ug/l	96
53) t-1,3-Dichloropropene	10.11	75	34755	19.12	ug/l	95
54) cis-1,3-Dichloropropene	9.21	75	45122	19.27	ug/l	96
55) 1,1,2-Trichloroethane	10.38	97	21511	20.20	ug/l	97
56) Ethyl methacrylate	10.23	69	17272	18.30	ug/l #	87
57) 1,3-Dichloropropane	10.59	76	38998	19.69	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.01	63	48536	96.41	ug/l	100
59) 2-Hexanone	10.70	43	56272	97.45	ug/l	95
60) Dibromochloromethane	10.87	129	31866	21.80	ug/l	88
61) 1,2-Dibromoethane	11.00	107	20889	19.87	ug/l	89
64) Tetrachloroethene	10.45	164	34432	19.59	ug/l	95
65) Chlorobenzene	11.60	112	91528	19.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.71	131	33910	20.15	ug/l	97
67) Ethyl Benzene	11.71	91	186363	20.24	ug/l	100
68) m/p-Xylenes	11.86	106	118301	40.74	ug/l	97
69) o-Xylene	12.28	106	50182	19.20	ug/l	91
70) Styrene	12.31	104	92674	20.45	ug/l	97
71) Bromoform	12.49	173	17437	19.45	ug/l	98
73) Isopropylbenzene	12.66	105	166427	19.00	ug/l	98
74) N-amyl acetate	12.49	43	30266	17.16	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.98	83	24865	17.59	ug/l	90
76) 1,2,3-Trichloropropane	13.03	75	27931	18.47	ug/l	95
77) Bromobenzene	12.97	156	39627	17.99	ug/l	89
78) n-propylbenzene	13.06	91	238099	19.25	ug/l	96
79) 2-Chlorotoluene	13.14	91	134800	19.63	ug/l	96
80) 1,3,5-Trimethylbenzene	13.24	105	133775	19.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.73	75	6289	17.73	ug/l #	85
82) 4-Chlorotoluene	13.26	91	156795	19.18	ug/l	100
83) tert-Butylbenzene	13.53	119	118408m	18.81	ug/l	
84) 1,2,4-Trimethylbenzene	13.58	105	138280	19.68	ug/l	97
85) sec-Butylbenzene	13.73	105	182271	19.70	ug/l	95
86) p-Isopropyltoluene	13.86	119	143075	19.68	ug/l	99
87) 1,3-Dichlorobenzene	13.83	146	78976	19.22	ug/l	98
88) 1,4-Dichlorobenzene	13.92	146	79400	19.43	ug/l	97
89) n-Butylbenzene	14.21	91	162645	19.81	ug/l	98
90) Hexachloroethane	14.46	117	31291	18.56	ug/l	100
91) 1,2-Dichlorobenzene	14.23	146	67984	19.69	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.88	75	3610	19.87	ug/l	74

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Misc : 5.00qm/5mL/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

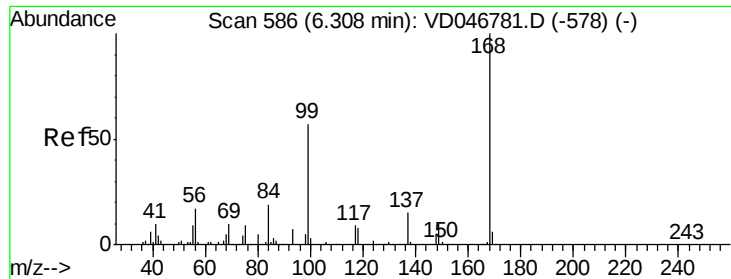
Manual Integrations
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9/24/2015 12:56:48 PM

Quant Time: Sep 24 02:02:17 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)
93) 1,2,4-Trichlorobenzene	15.56	180	35515	17.87	ug/l	93
94) Hexachlorobutadiene	15.68	225	30939	18.90	ug/l	97
95) Naphthalene	15.81	128	42851	17.89	ug/l	100
96) 1,2,3-Trichlorobenzene	16.01	180	31327	18.86	ug/l	95

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



#1

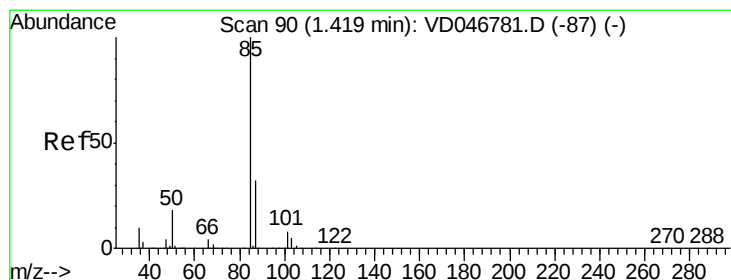
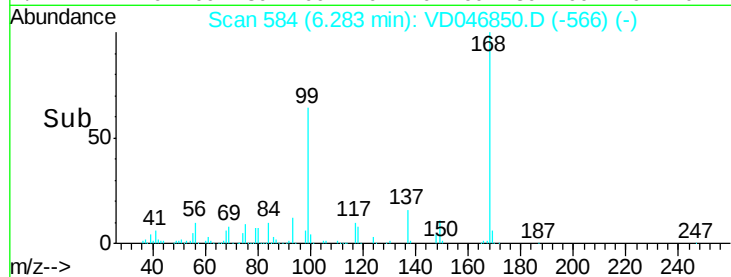
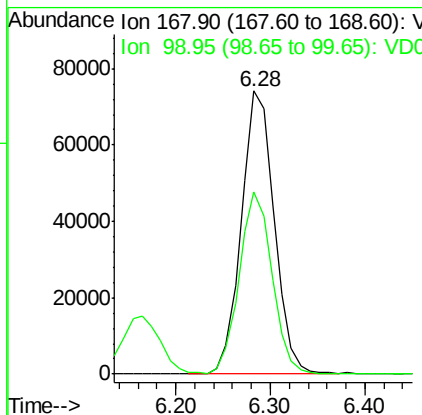
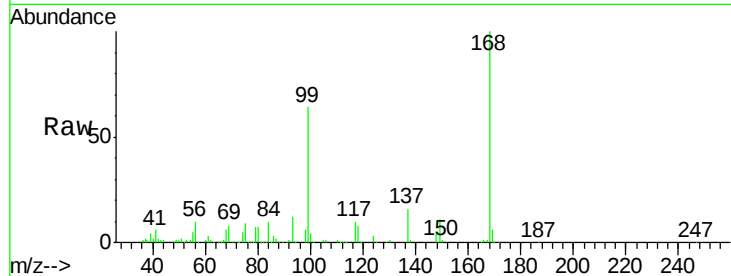
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.28 min Scan# 584
 Delta R.T. -0.03 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		178930		
99	64.2	42.4	63.6#		

Manual Integrations
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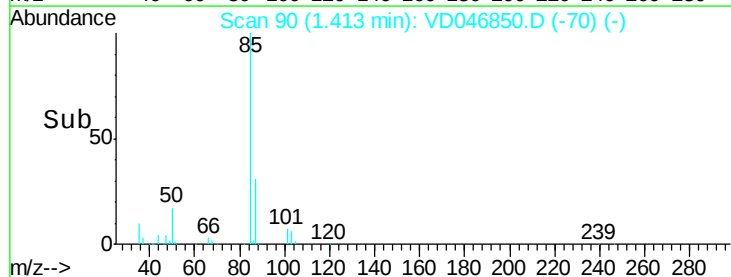
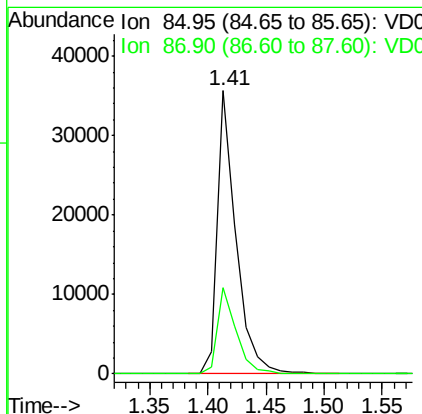
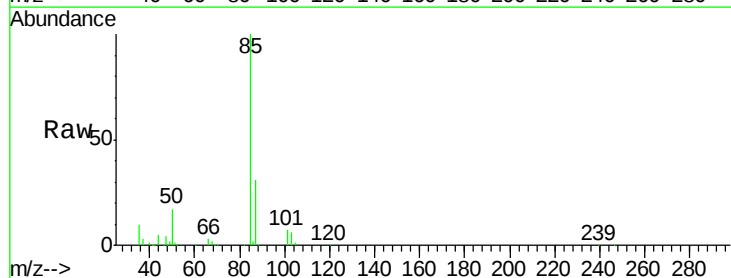
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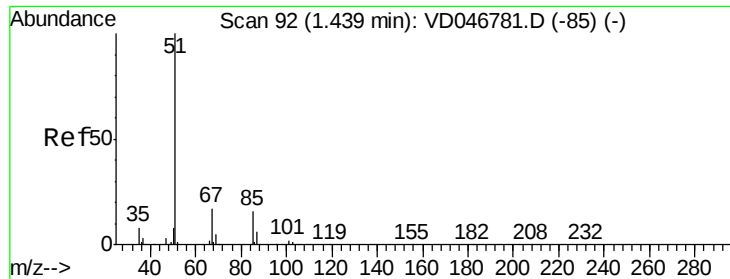


#2

Dichlorodifluoromethane
 Concen: 21.78 ug/l
 RT: 1.41 min Scan# 90
 Delta R.T. -0.01 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		39600		
87	30.5	16.2	48.5		





#3

Chlorodifluoromethane

Concen: 18.05 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 51 Resp: 29305

Ion Ratio Lower Upper

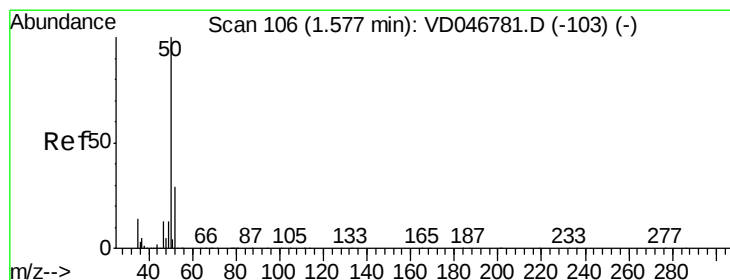
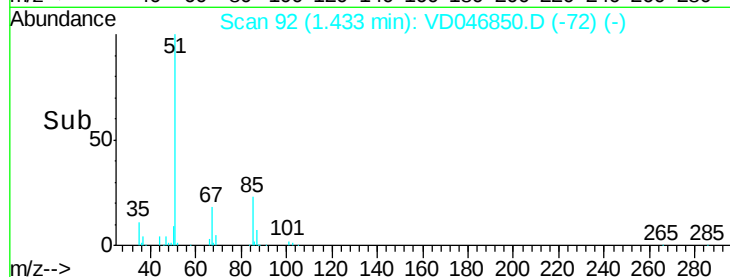
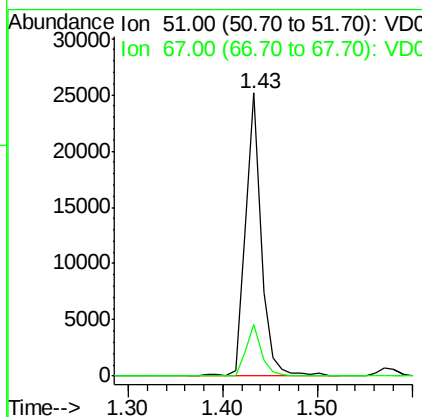
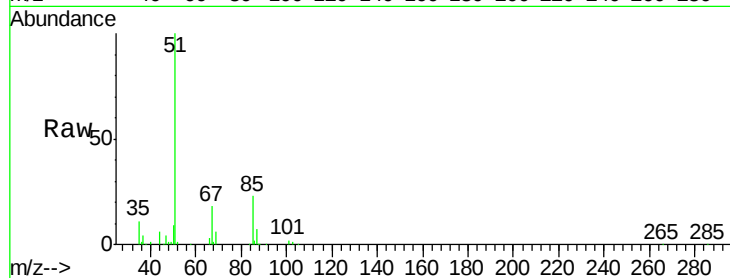
51 100

67 17.6 10.9 16.3#

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#4

Chloromethane

Concen: 18.58 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046850.D

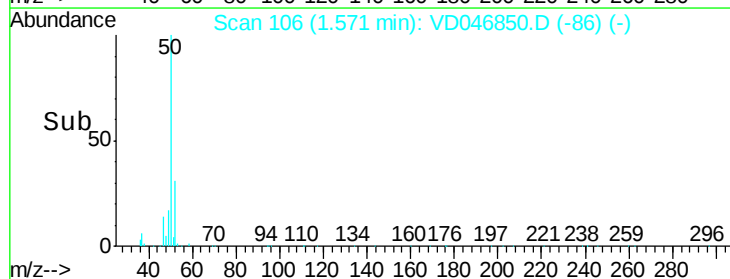
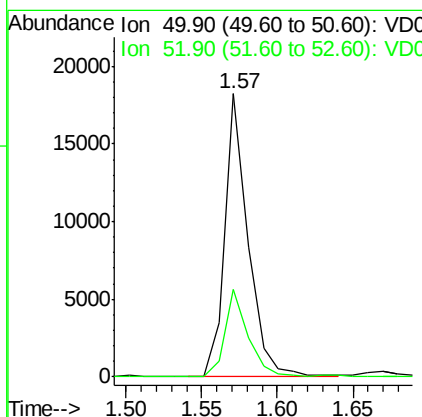
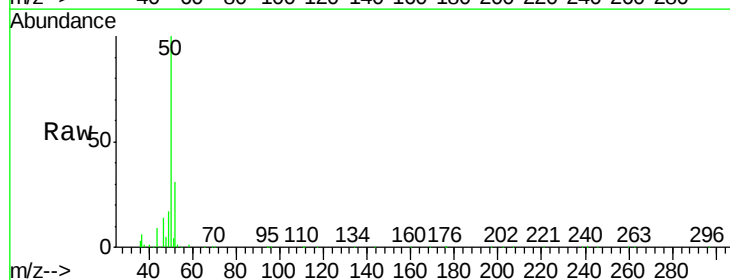
Acq: 23 Sep 2015 12:58

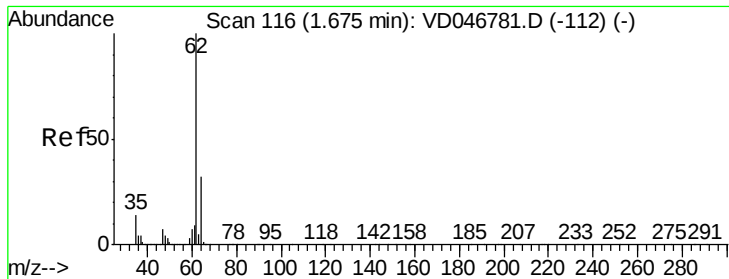
Tgt Ion: 50 Resp: 19598

Ion Ratio Lower Upper

50 100

52 31.1 26.2 39.2





#5

Vinyl Chloride

Concen: 19.40 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 62 Resp: 19219

Ion Ratio Lower Upper

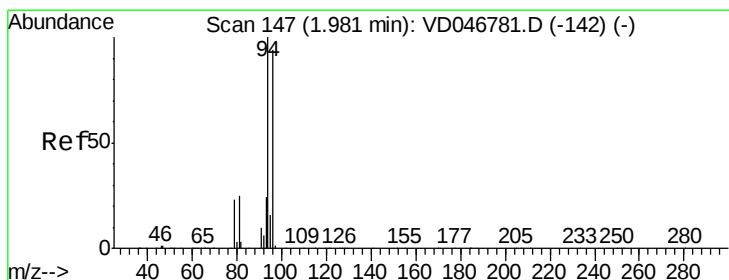
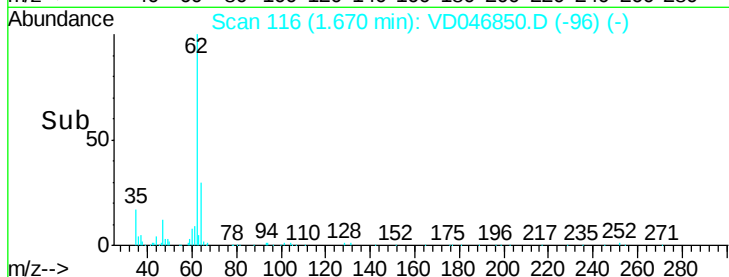
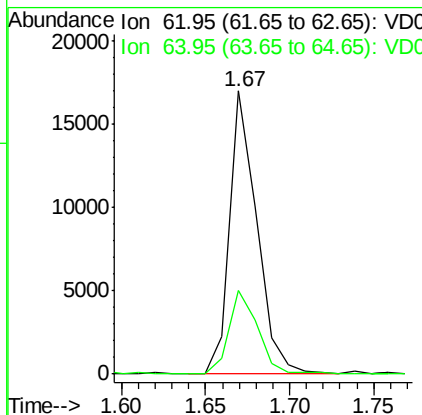
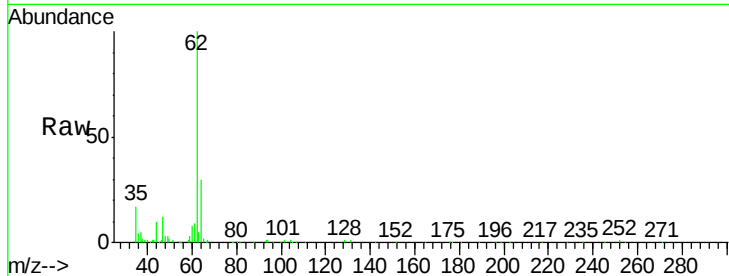
62 100

64 29.6 26.4 39.6

Manual Integrations
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#6

Bromomethane

Concen: 20.43 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046850.D

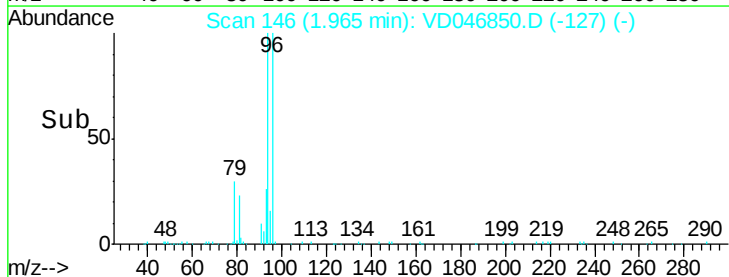
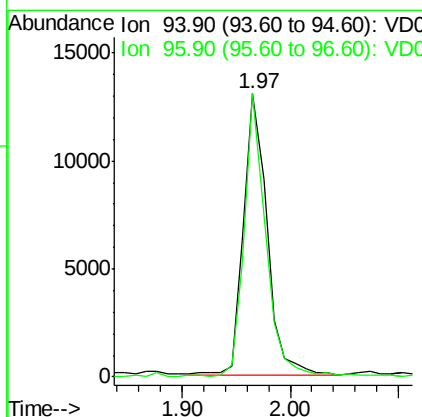
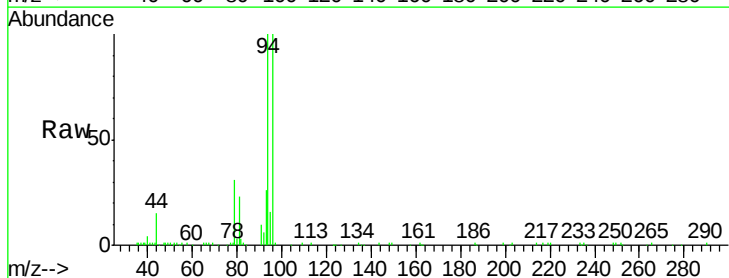
Acq: 23 Sep 2015 12:58

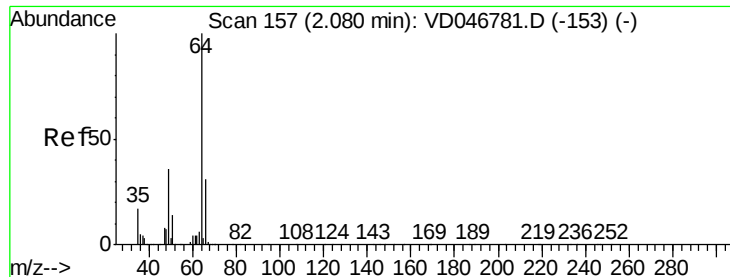
Tgt Ion: 94 Resp: 19609

Ion Ratio Lower Upper

94 100

96 100.0 76.0 114.0





#7

Chloroethane

Concen: 21.17 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 64 Resp: 13127

Ion Ratio Lower Upper

64 100

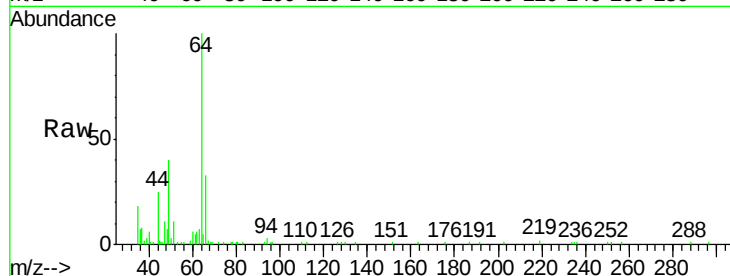
66 32.8 26.6 39.8

Manual Integrations

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Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.07

10000

8000

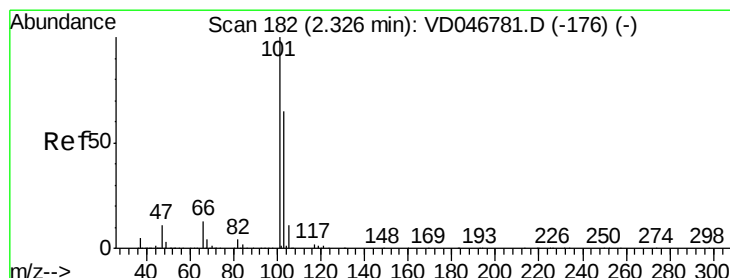
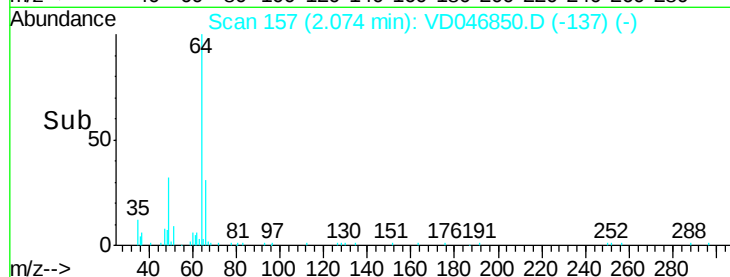
6000

4000

2000

0

Time-->



#8

Trichlorofluoromethane

Concen: 22.55 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046850.D

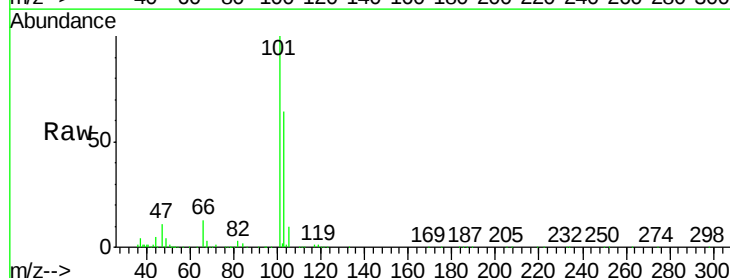
Acq: 23 Sep 2015 12:58

Tgt Ion: 101 Resp: 66080

Ion Ratio Lower Upper

101 100

103 63.6 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.32

40000

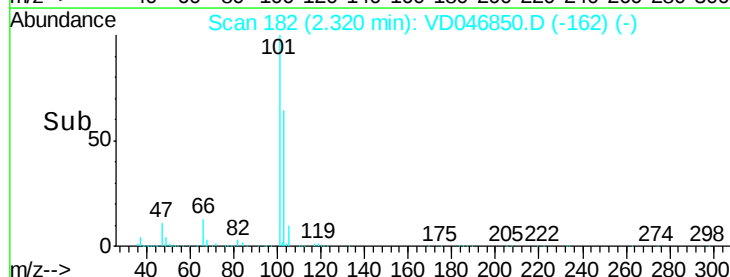
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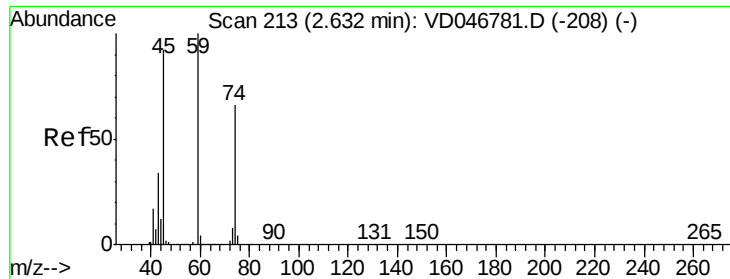
20000

10000

0

Time-->





#9

Diethyl Ether

Concen: 17.73 ug/l

RT: 2.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 74 Resp: 9211

Ion Ratio Lower Upper

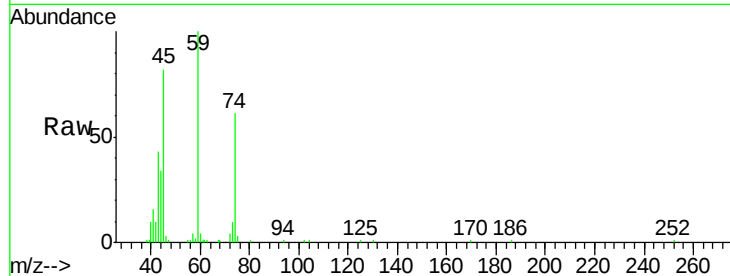
74 100

45 134.0 76.2 228.6

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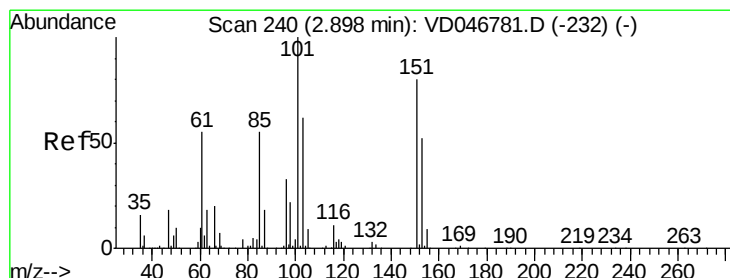
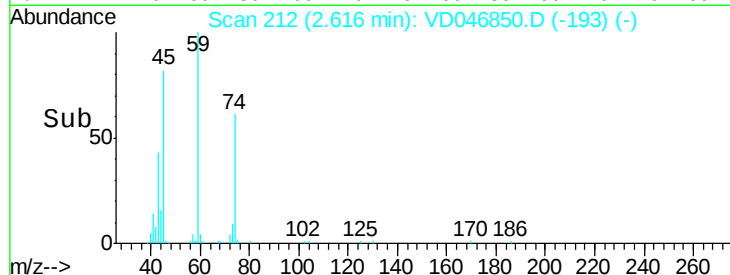
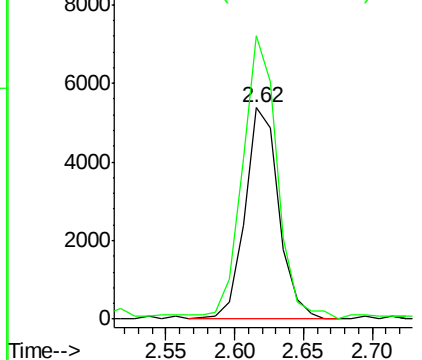
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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 19.73 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

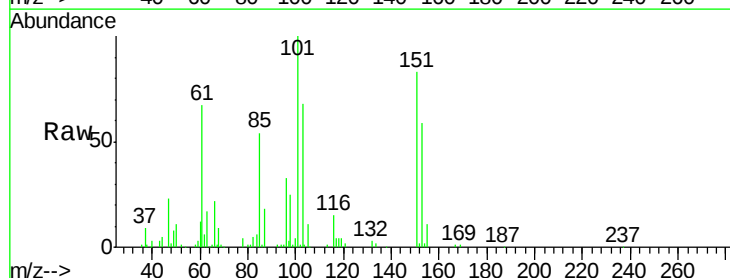
Tgt Ion: 101 Resp: 36181

Ion Ratio Lower Upper

101 100

85 53.7 42.0 63.0

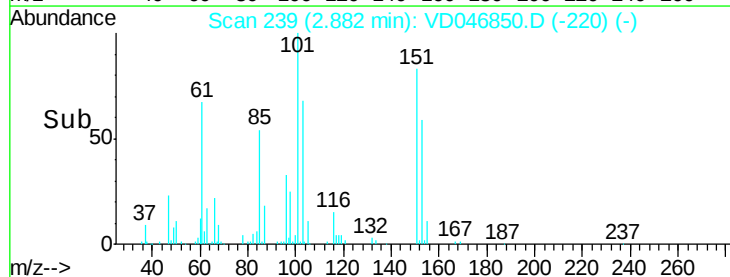
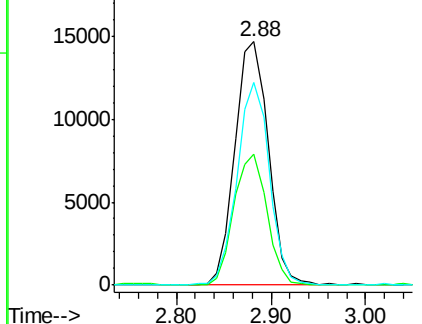
151 83.0 65.2 97.8

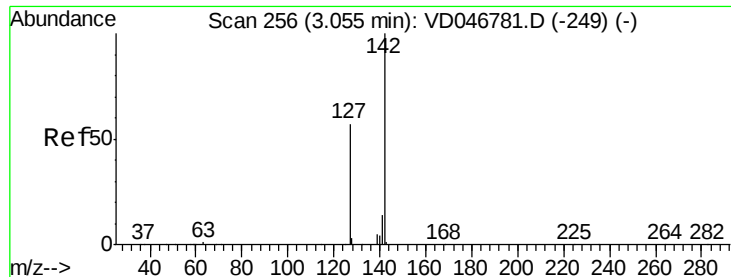


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





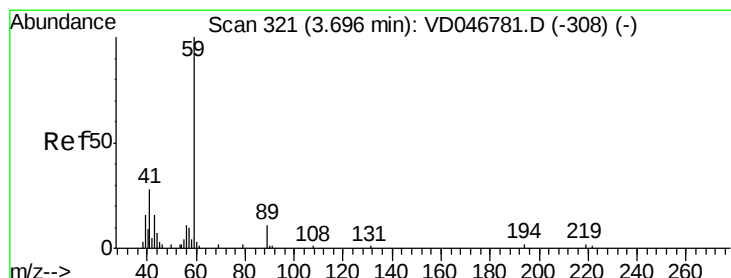
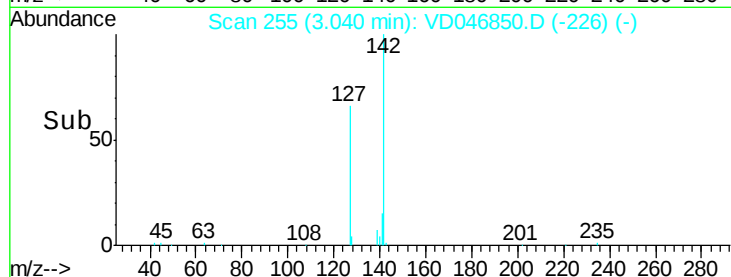
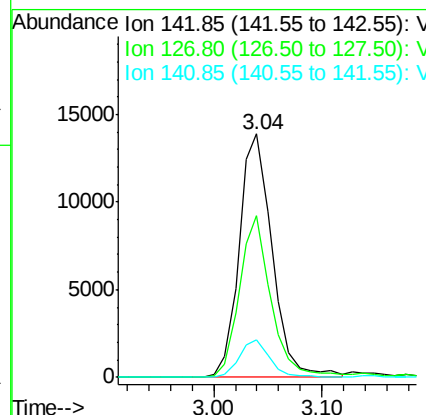
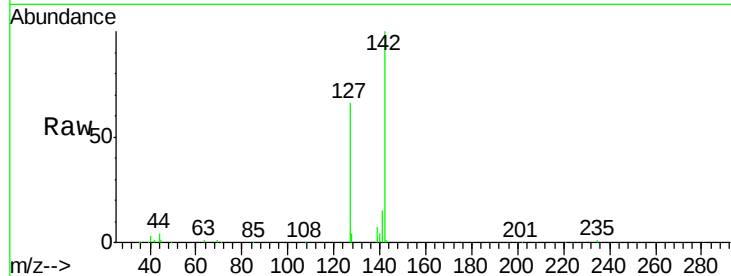
#11
Methvl Iodide
Concen: 14.99 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	66.2	41.2	61.8#
141	15.3	11.6	17.4

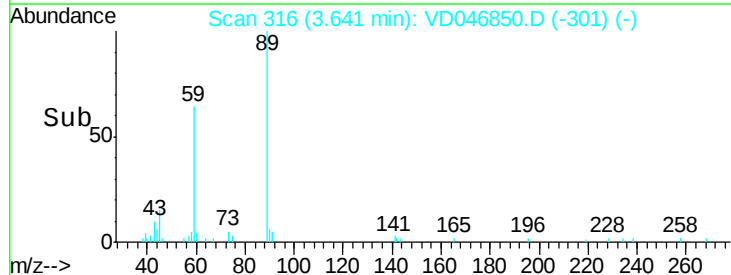
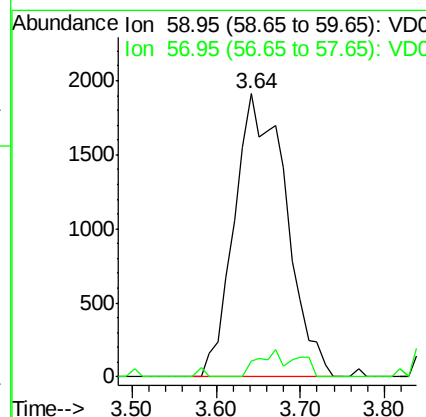
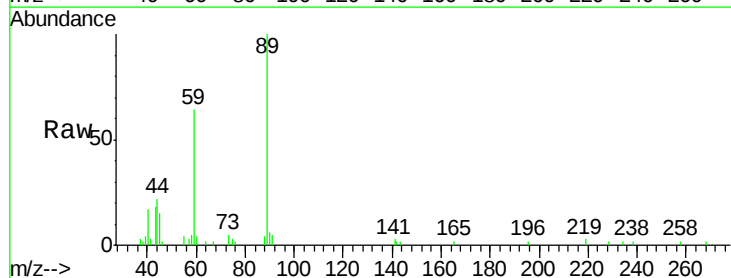
Manual Integrations
APPROVED

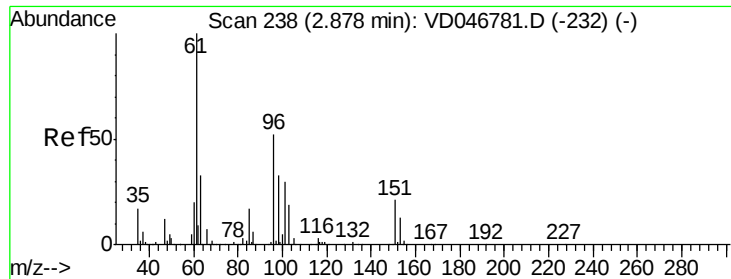
MMDadoda
9/24/2015 12:56:48 PM



#12
Tert butyl alcohol
Concen: 100.12 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.05 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.4	7.8	11.6#





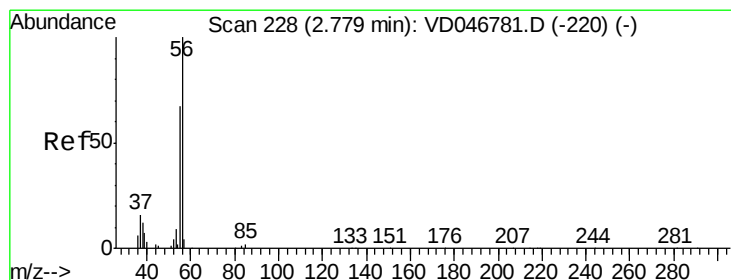
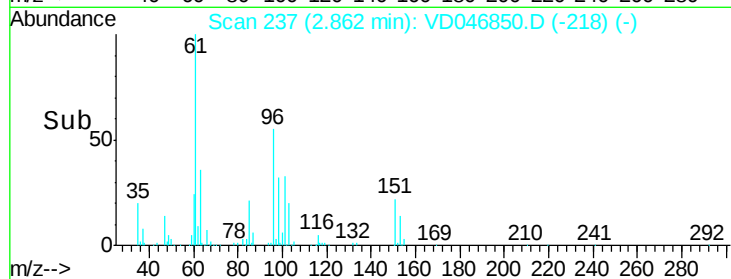
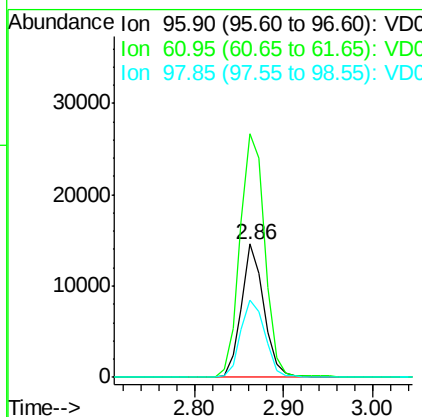
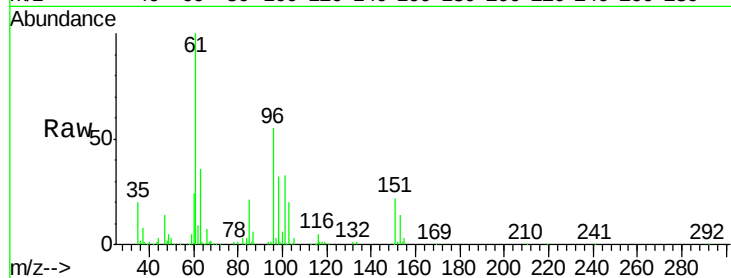
#13
 1,1-Dichloroethene
 Concen: 18.01 ug/l
 RT: 2.86 min Scan# 237
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	182.4	152.2	228.4
98	57.7	51.2	76.8

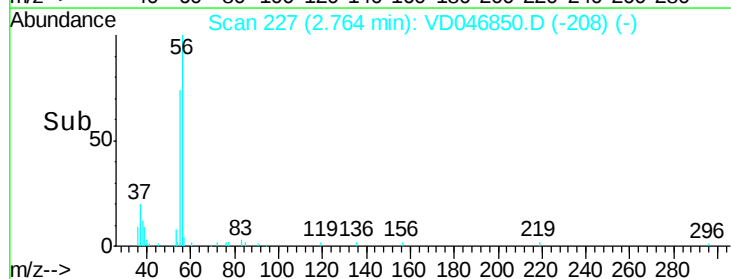
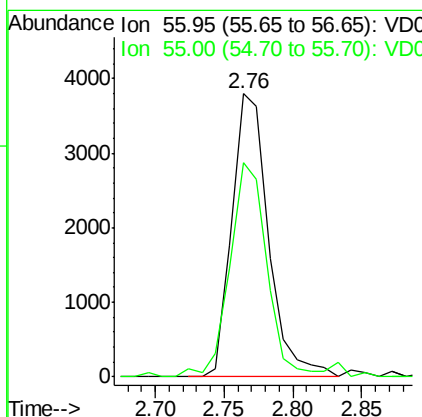
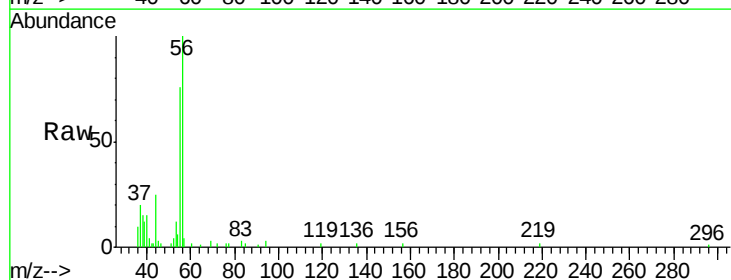
Manual Integrations
 APPROVED

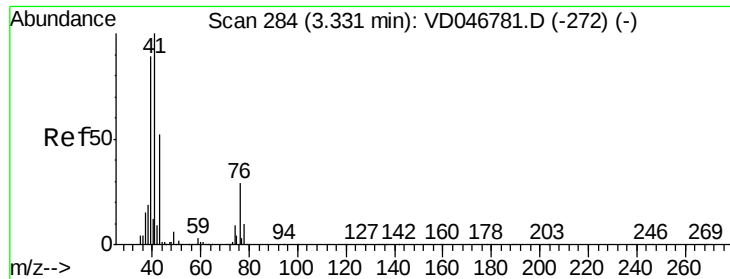
MMDadoda
 9/24/2015 12:56:48 PM



#14
 Acrolein
 Concen: 73.98 ug/l
 RT: 2.76 min Scan# 227
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
56	100		
55	75.7	62.6	93.8





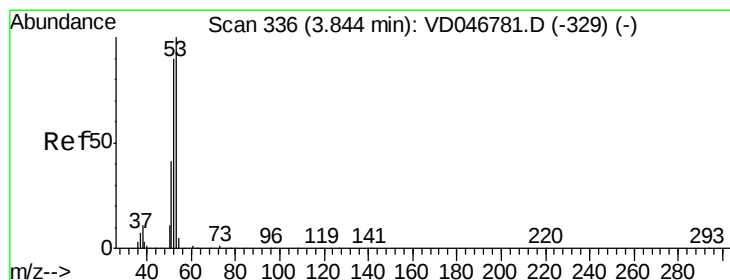
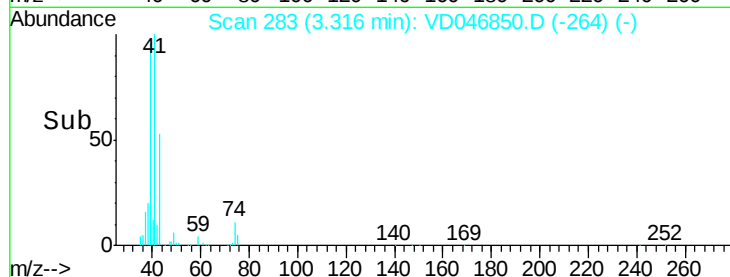
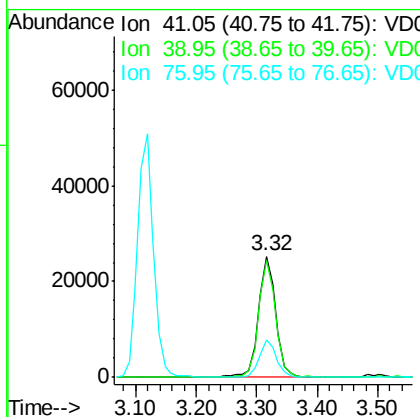
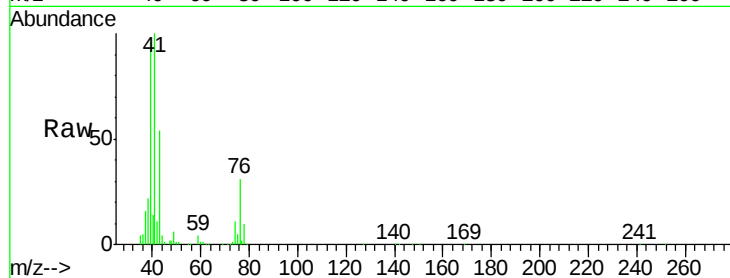
#15
Allvl chloride
Concen: 17.29 ug/l
RT: 3.32 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	96.1	58.8	88.2#
76	31.3	22.7	34.1

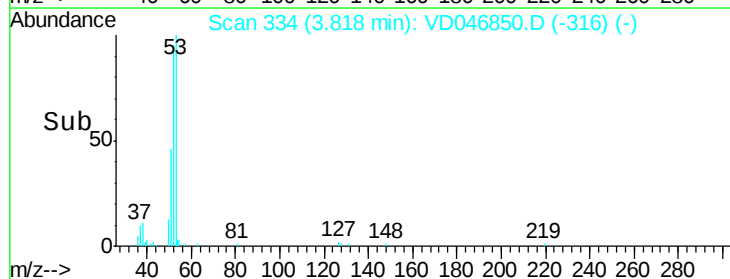
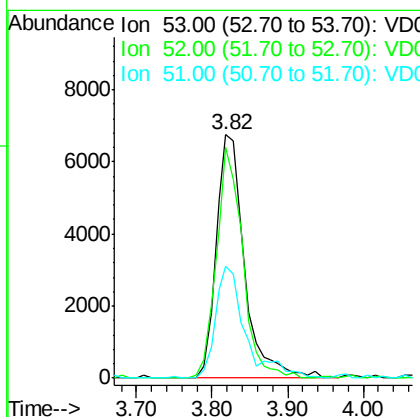
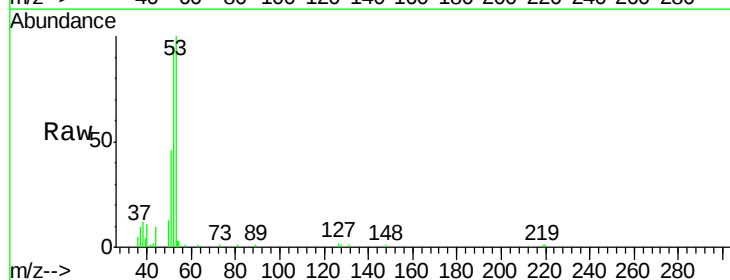
Manual Integrations
APPROVED

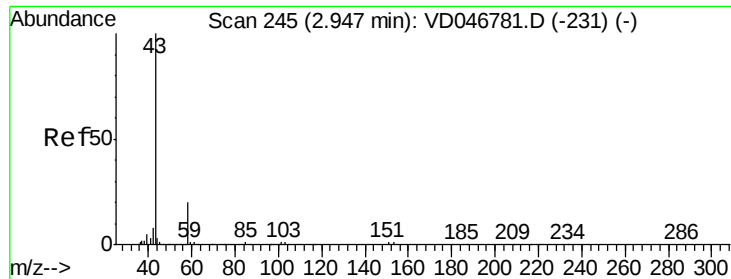
MMDadoda
9/24/2015 12:56:48 PM



#16
Acrylonitrile
Concen: 81.19 ug/l
RT: 3.82 min Scan# 334
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
53	100		
52	94.8	66.8	100.2
51	45.9	31.2	46.8





#17

Acetone

Concen: 105.92 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 43 Resp: 33293

Ion Ratio Lower Upper

43 100

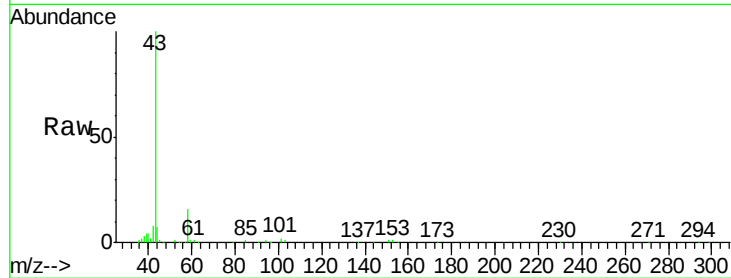
58 16.5 16.6 24.8#

Manual Integrations

APPROVED

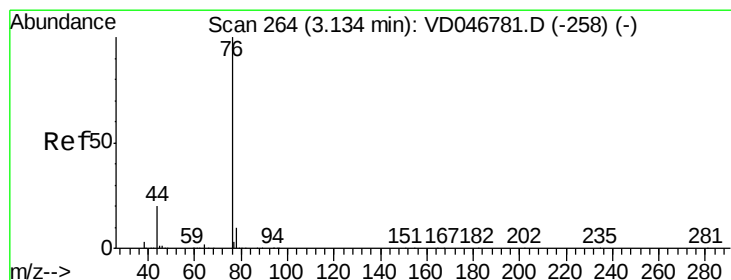
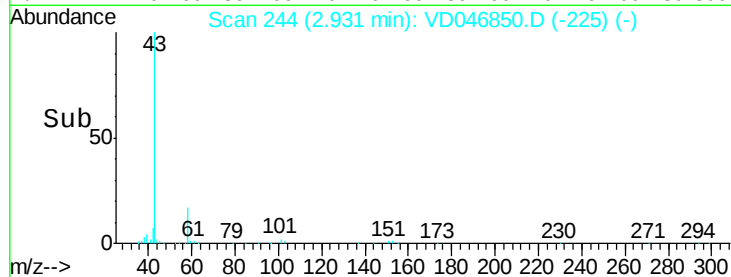
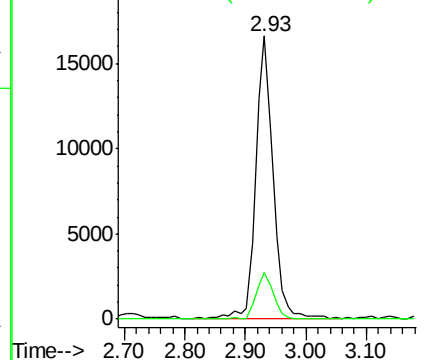
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 17.41 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046850.D

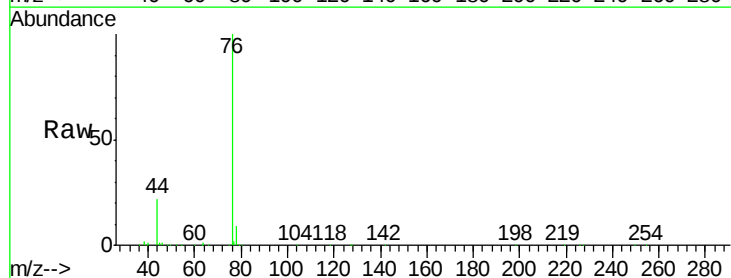
Acq: 23 Sep 2015 12:58

Tgt Ion: 76 Resp: 93494

Ion Ratio Lower Upper

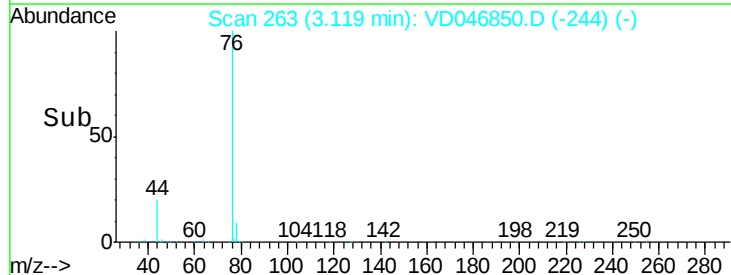
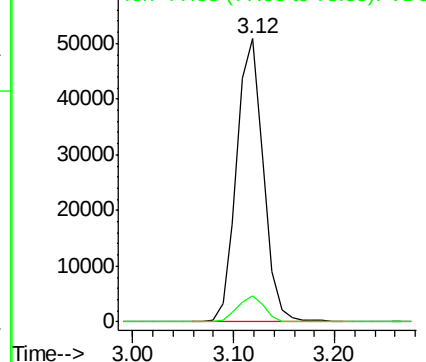
76 100

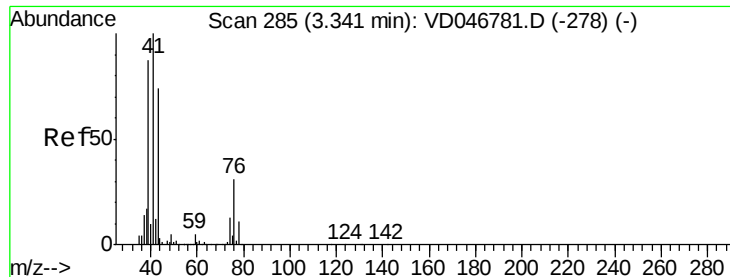
78 9.2 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





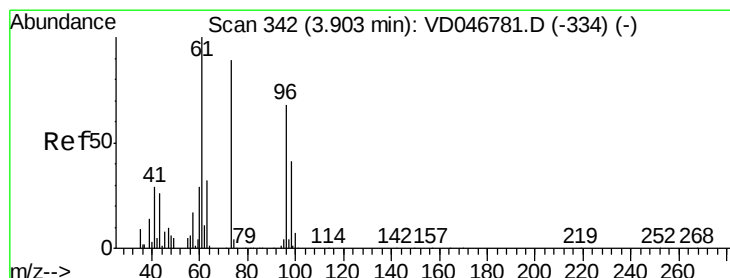
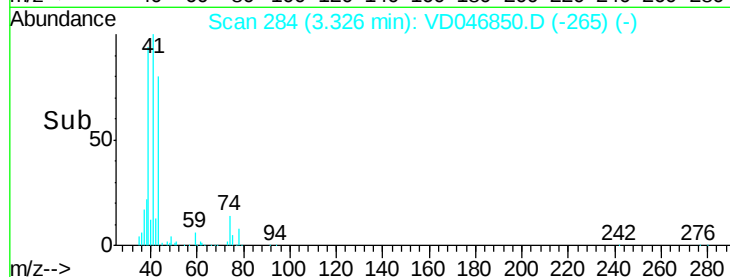
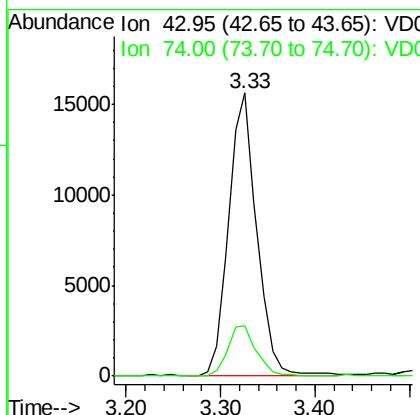
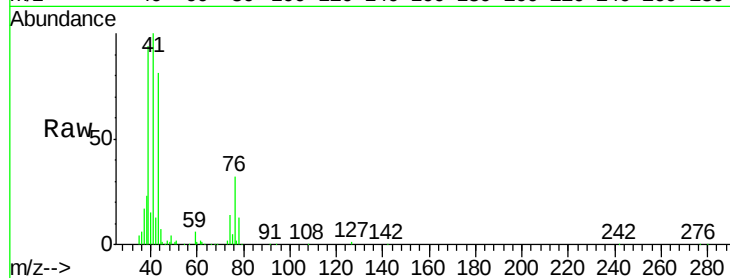
#19
Methvl Acetate
Concen: 17.65 ug/l
RT: 3.33 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion: 43 Resp: 32141
Ion Ratio Lower Upper
43 100
74 17.6 13.7 20.5

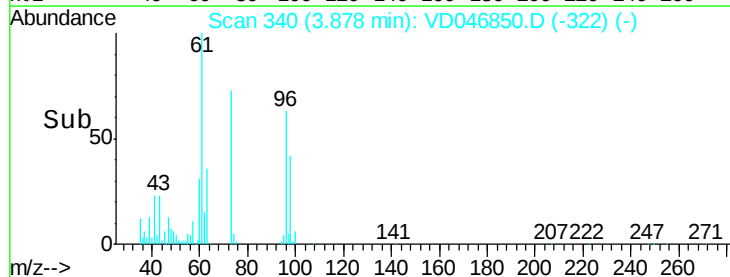
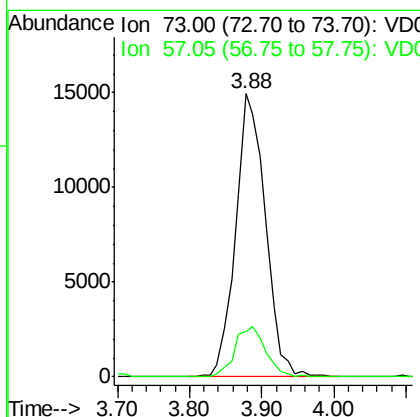
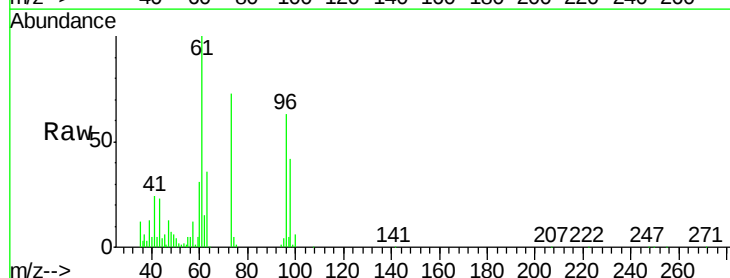
Manual Integrations
APPROVED

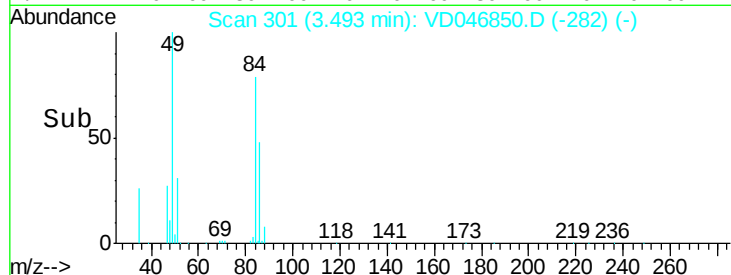
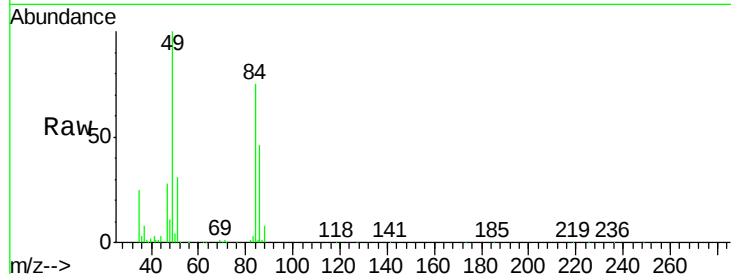
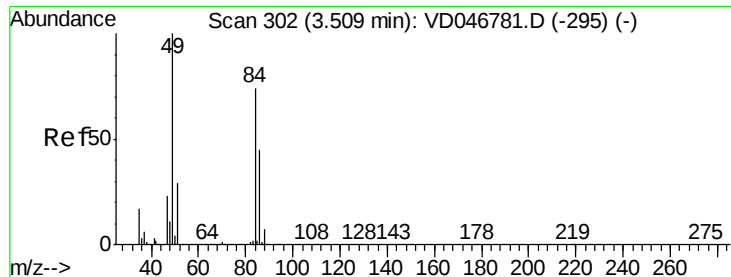
MMDadoda
9/24/2015 12:56:48 PM



#20
Methyl tert-butyl Ether
Concen: 19.15 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

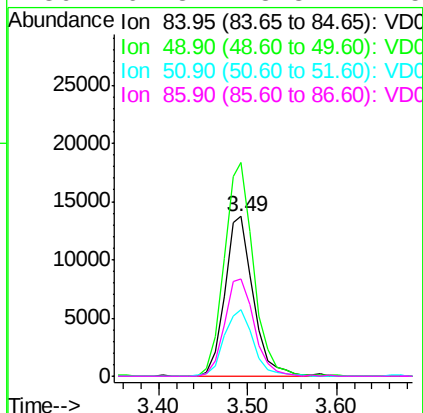
Tgt Ion: 73 Resp: 43010
Ion Ratio Lower Upper
73 100
57 16.2 18.1 27.1#





#21
Methvlene Chloride
Concen: 18.06 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

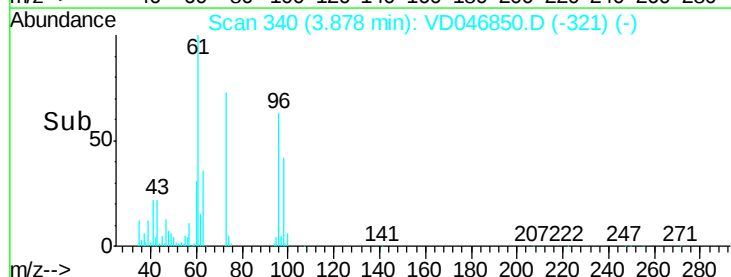
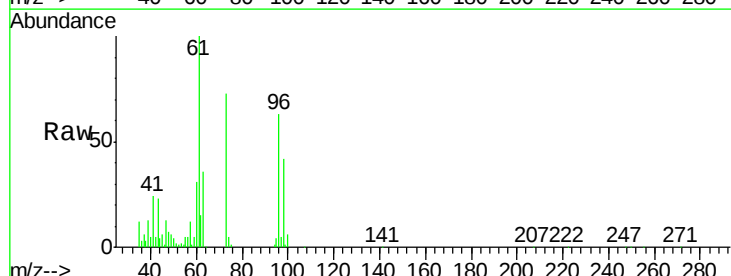
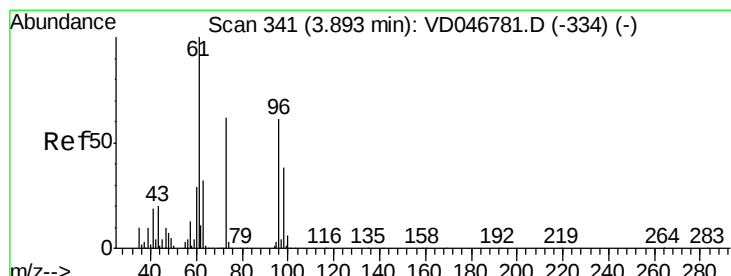
Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	133.8	122.1	183.1		
51	41.6	33.6	50.4		
86	61.3	48.3	72.5		



Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

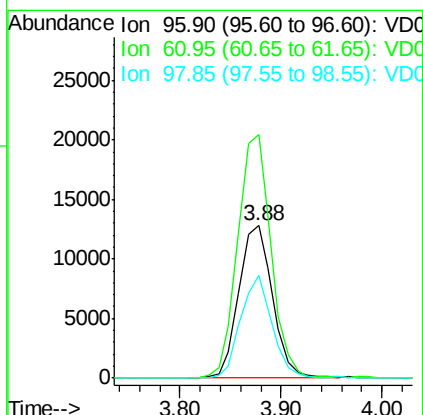
Manual Integrations
APPROVED

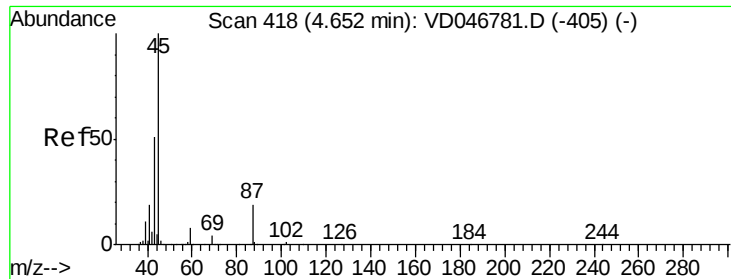
MMDadoda
9/24/2015 12:56:48 PM



#22
trans-1,2-Dichloroethene
Concen: 18.39 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	159.5	125.8	188.6		
98	67.5	54.5	81.7		





#23

Diisopropyl ether

Concen: 17.68 ug/l

RT: 4.64 min Scan# 417

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

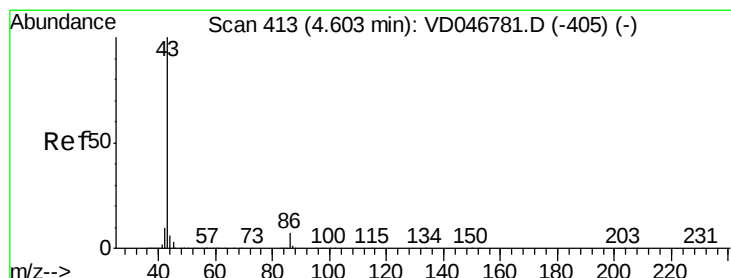
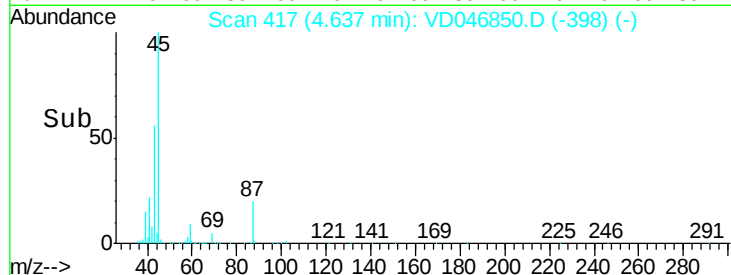
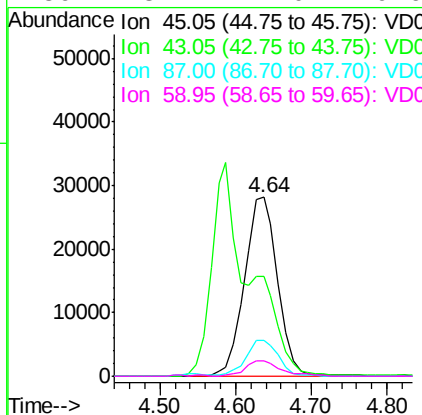
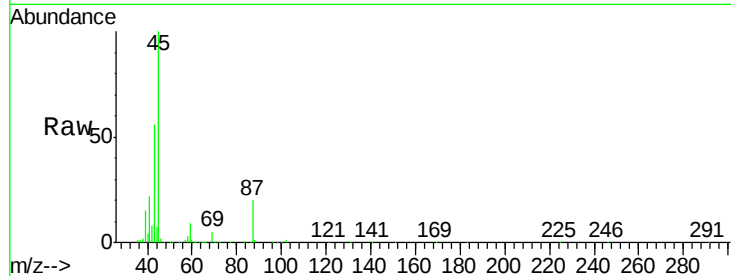
ClientSampleId :

VD0923SBS01

Tot Ion	Ratio	Lower	Upper
45	100		
43	55.6	35.9	53.9#
87	20.1	13.0	19.6#
59	8.7	7.0	10.6

Manual Integrations
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#24

Vinyl Acetate

Concen: 83.89 ug/l

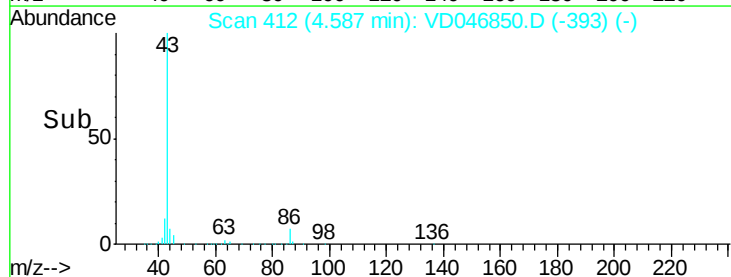
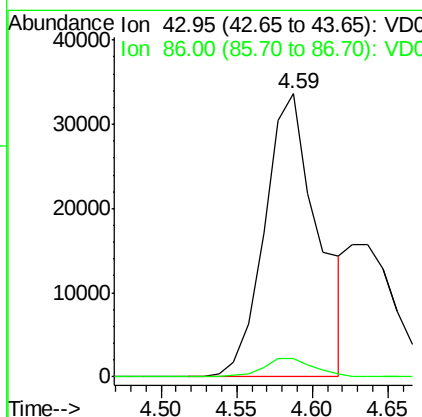
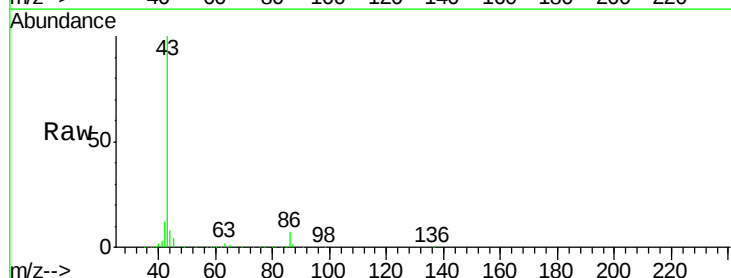
RT: 4.59 min Scan# 412

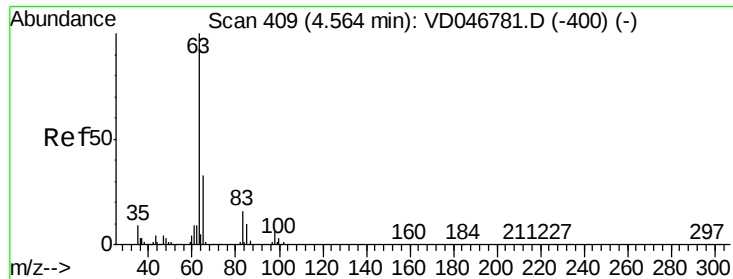
Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.6	4.9	7.3





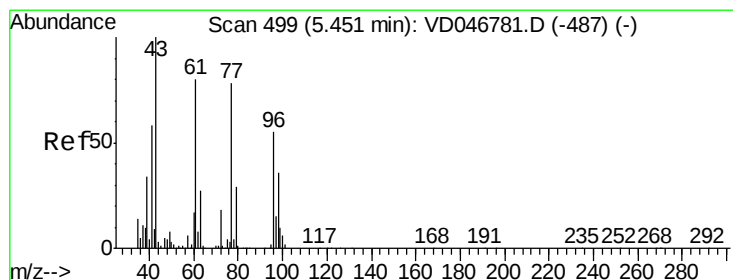
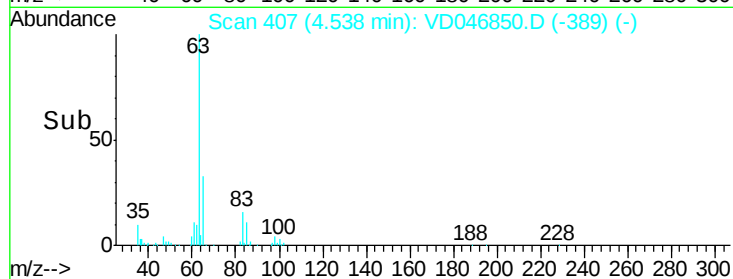
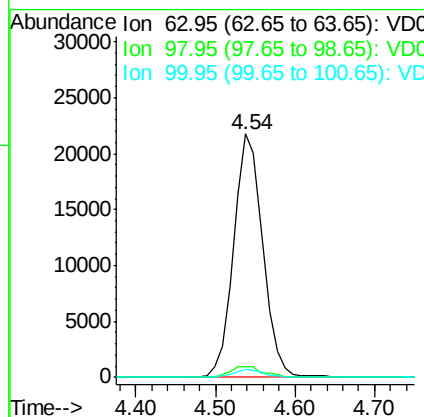
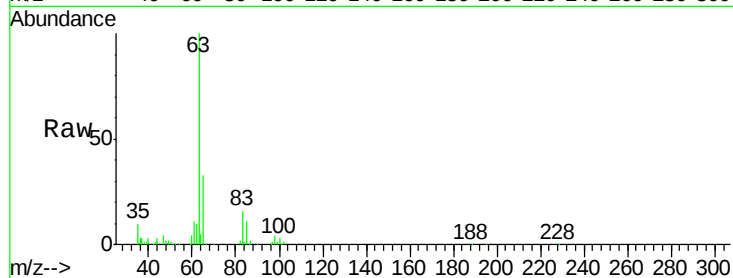
#25
 1,1-Dichloroethane
 Concen: 18.57 ug/l
 RT: 4.54 min Scan# 407
 Delta R.T. -0.03 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	4.2	2.5	7.5
100	3.1	1.5	4.5

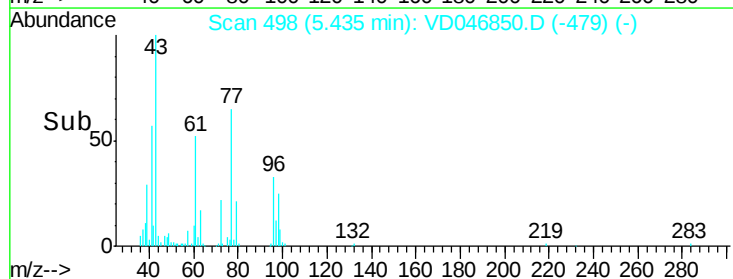
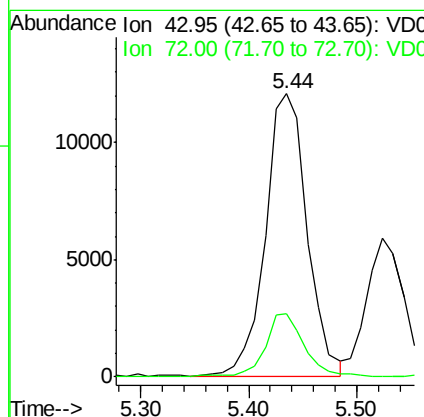
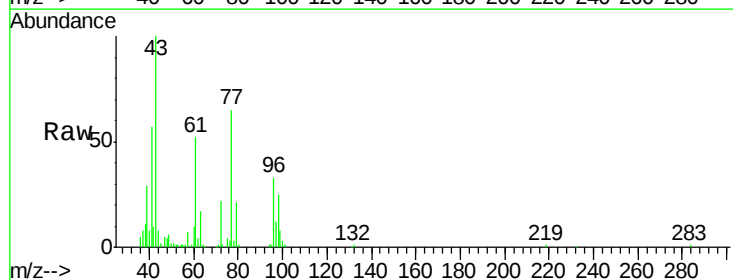
Manual Integrations
 APPROVED

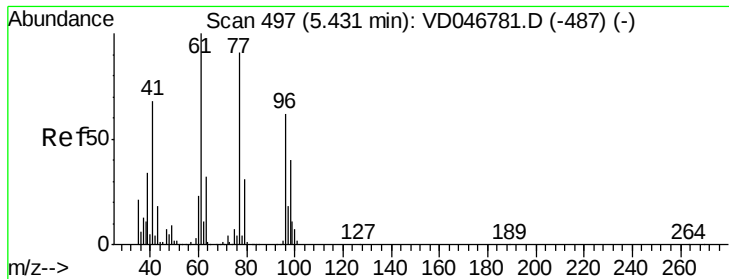
MMDadoda
 9/24/2015 12:56:48 PM



#26
 2-Butanone
 Concen: 92.68 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	22.4	13.4	20.0#





#27

2,2-Dichloropropane

Concen: 20.82 ug/l

RT: 5.41 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 77 Resp: 63670

Ion Ratio Lower Upper

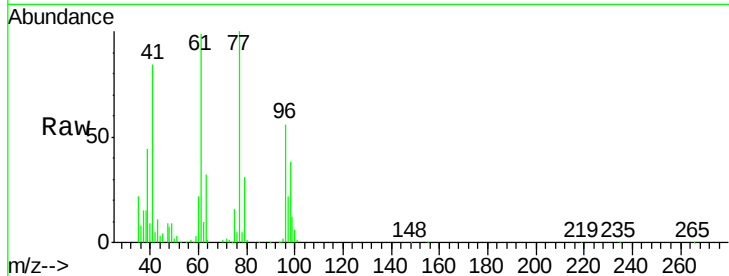
77 100

97 22.0 10.4 31.1

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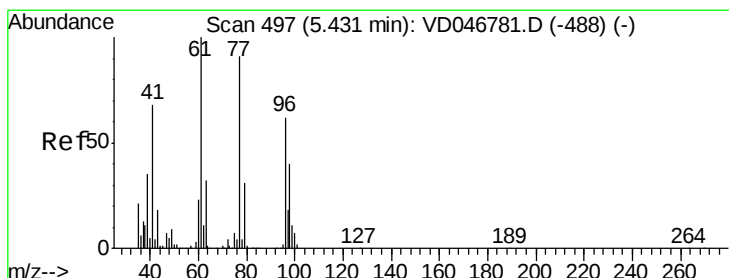
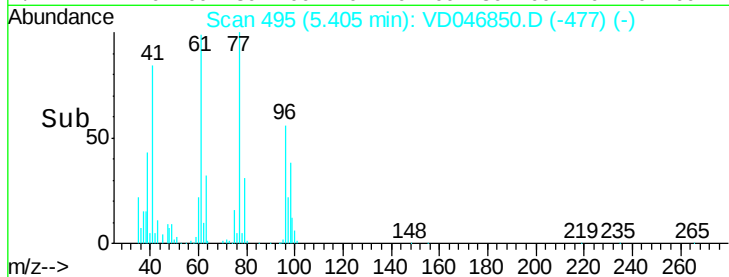
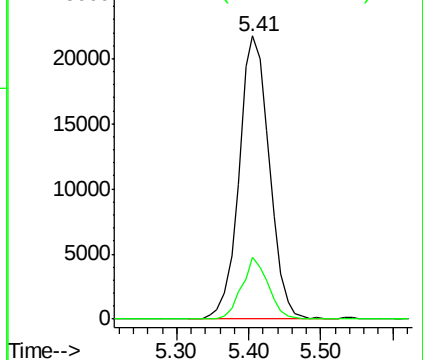
MMDadoda

9/24/2015 12:56:48 PM



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: 18.48 ug/l

RT: 5.42 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

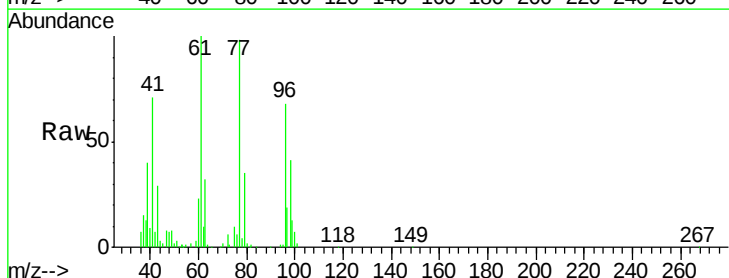
Tgt Ion: 96 Resp: 31094

Ion Ratio Lower Upper

96 100

61 148.1 0.0 348.0

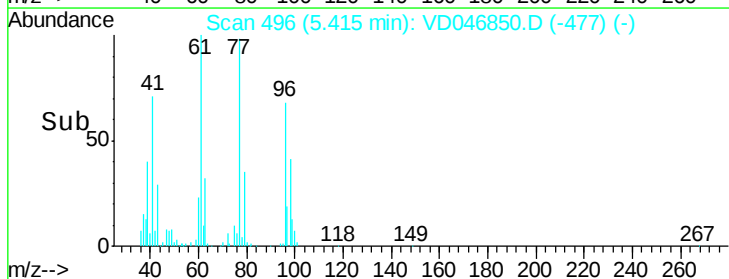
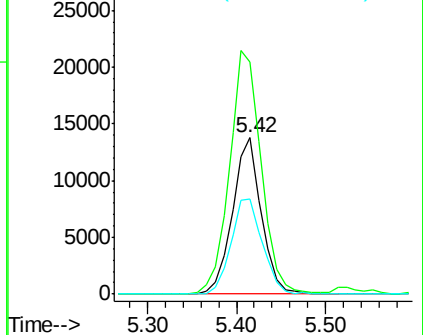
98 60.6 0.0 128.8

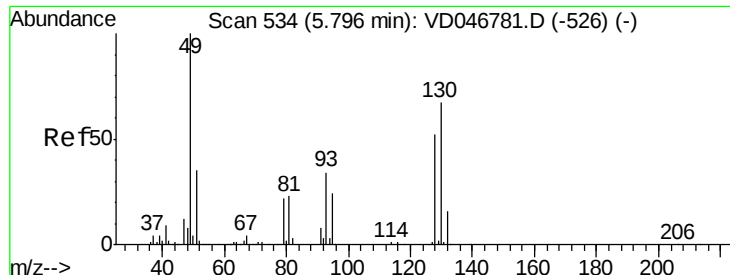


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Bromochloromethane

Concen: 19.35 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 49 Resp: 22691

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

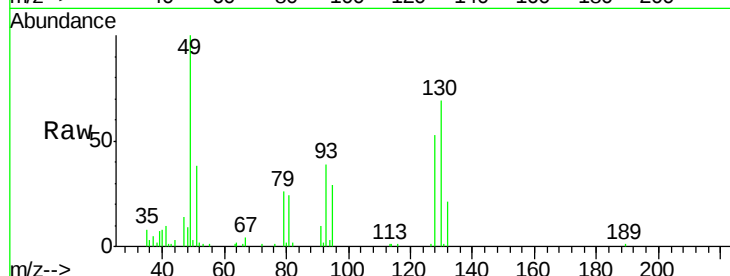
130 68.6 50.2 75.4

Manual Integrations

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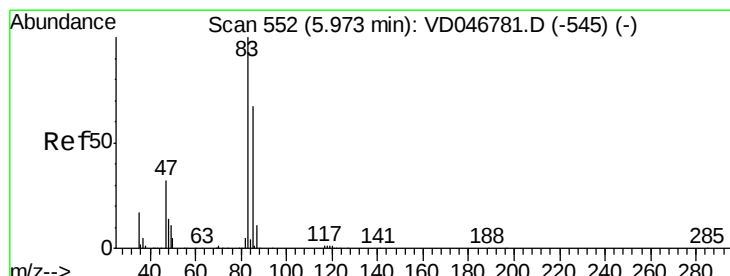
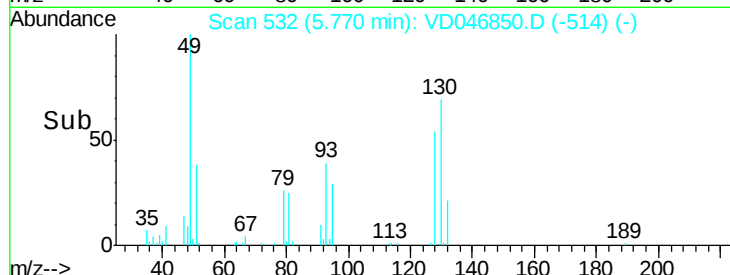
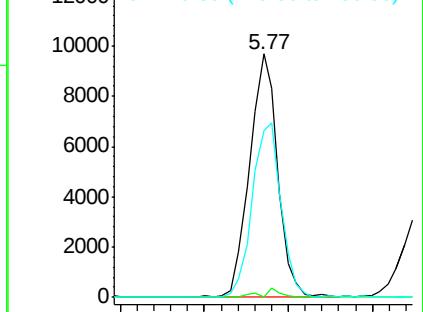
9/24/2015 12:56:48 PM



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: 20.27 ug/l

RT: 5.95 min Scan# 550

Delta R.T. -0.03 min

Lab File: VD046850.D

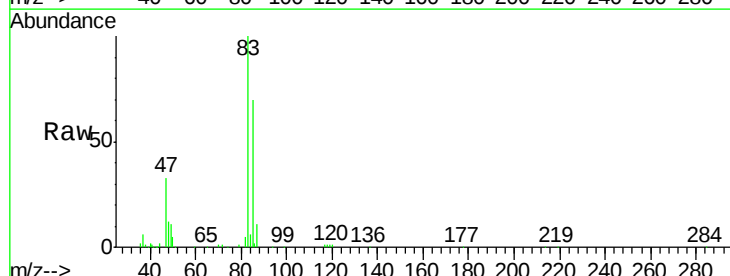
Acq: 23 Sep 2015 12:58

Tgt Ion: 83 Resp: 73195

Ion Ratio Lower Upper

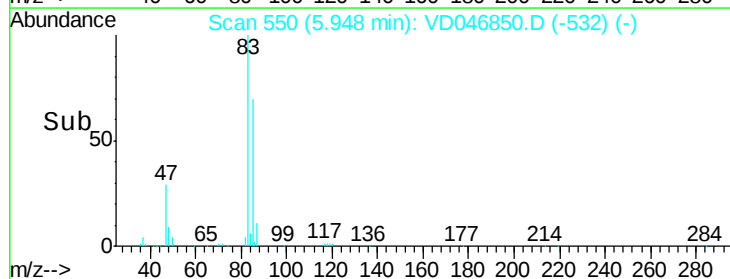
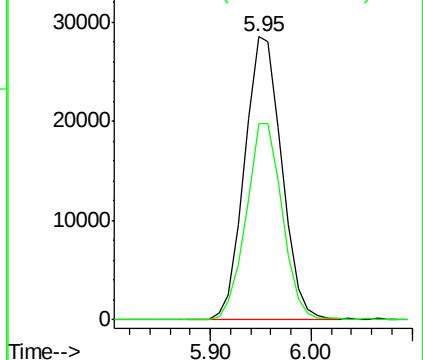
83 100

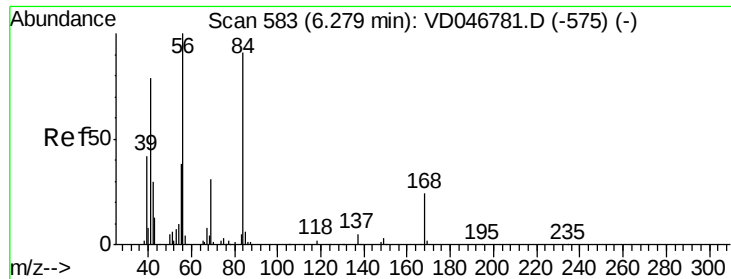
85 69.5 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





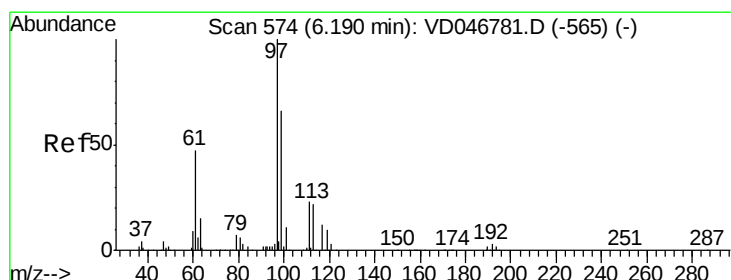
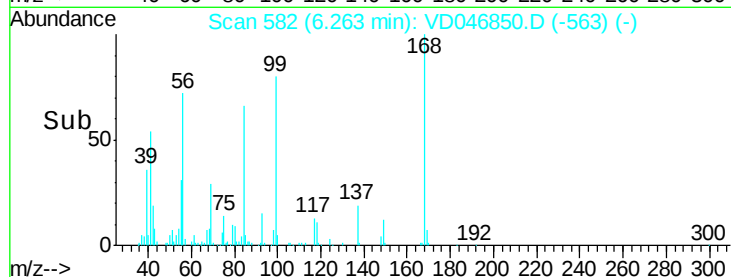
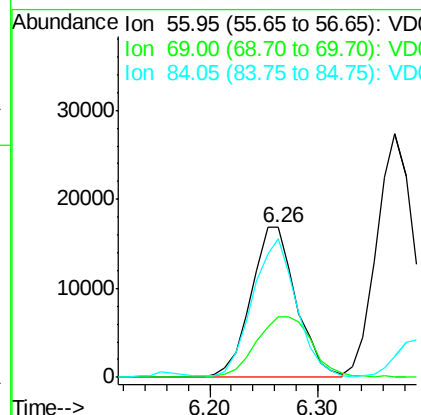
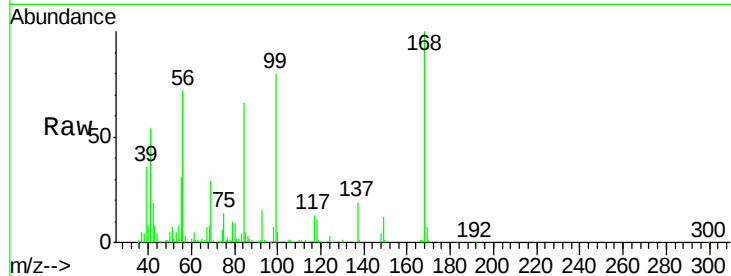
#31
Cyclohexane
Concen: 17.70 ug/l
RT: 6.26 min Scan# 582
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.5	23.4	35.0
84	92.1	63.8	95.8

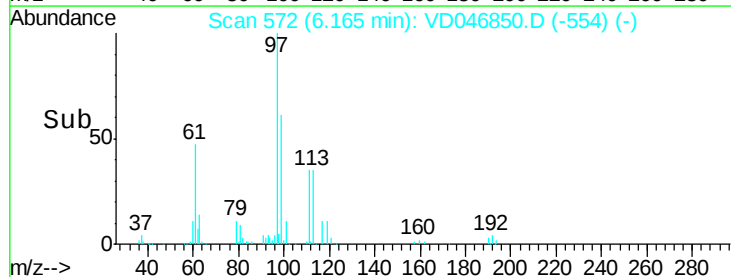
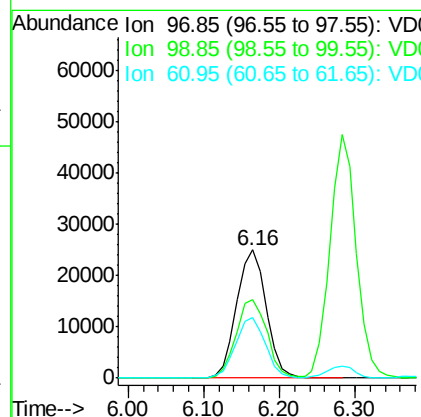
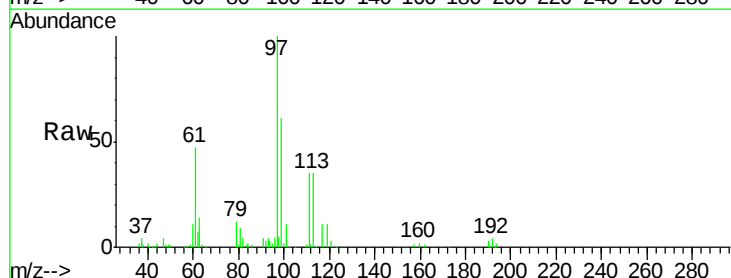
Manual Integrations
APPROVED

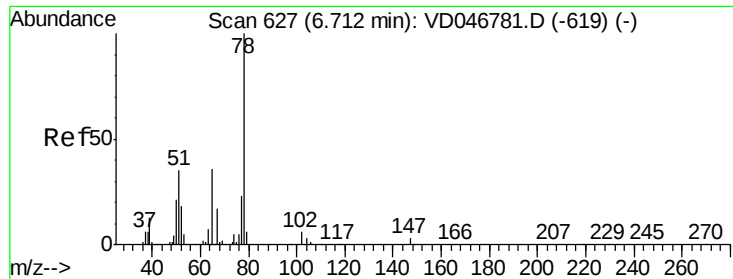
MMDadoda
9/24/2015 12:56:48 PM



#32
1,1,1-Trichloroethane
Concen: 21.16 ug/l
RT: 6.16 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.3	50.2	75.4
61	47.0	38.6	57.8





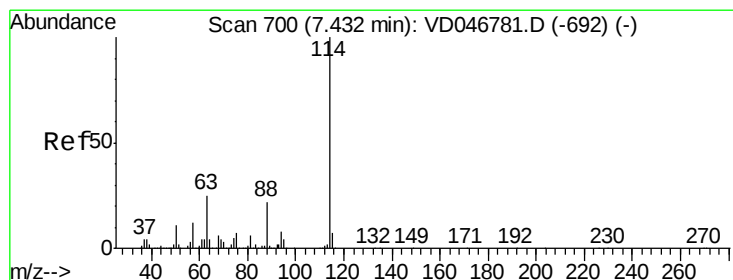
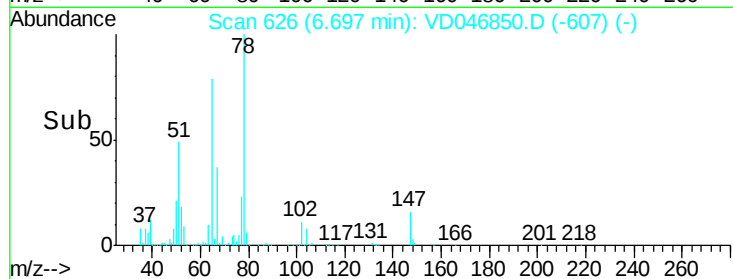
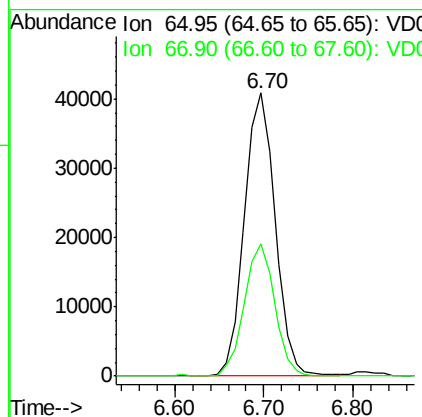
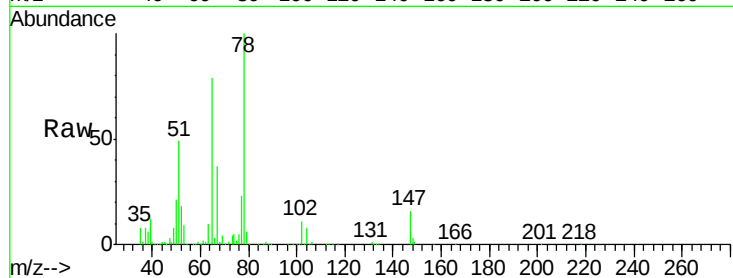
#33
 1,2-Dichloroethane-d4
 Concen: 21.16 ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion: 65 Resp: 97786
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 105.4

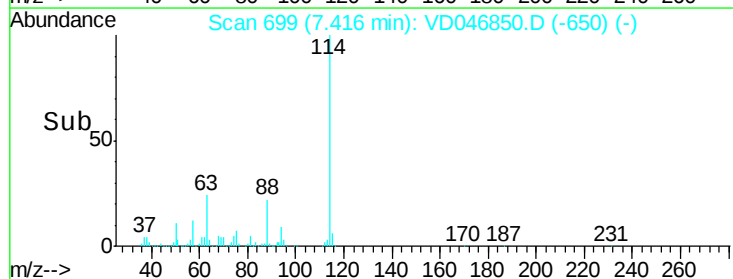
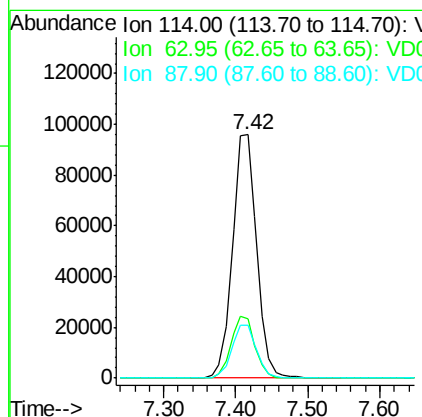
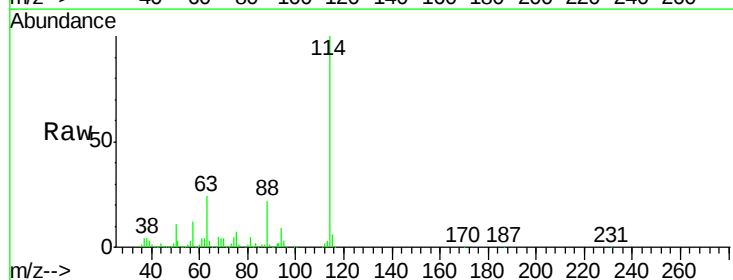
Manual Integrations
 APPROVED

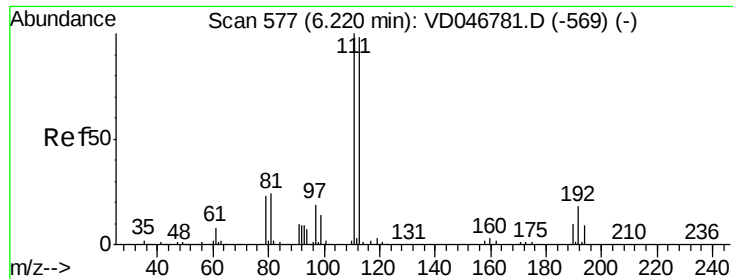
MMDadoda
 9/24/2015 12:56:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion: 114 Resp: 223529
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.8
 88 21.5 0.0 43.6





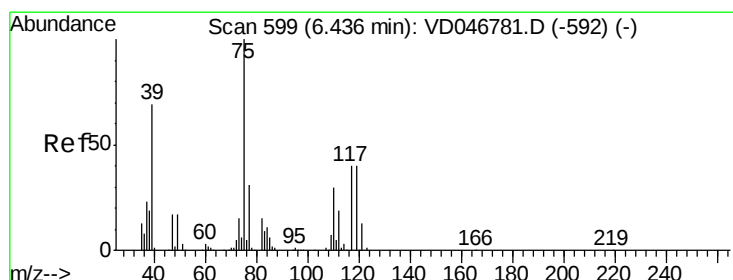
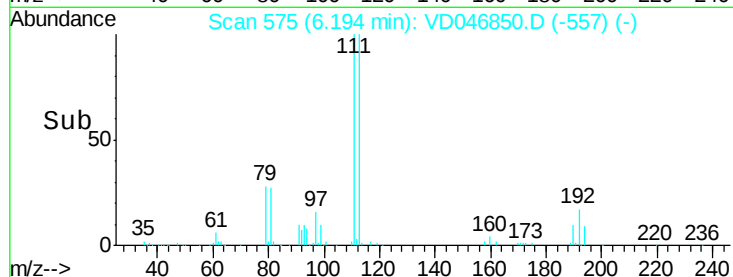
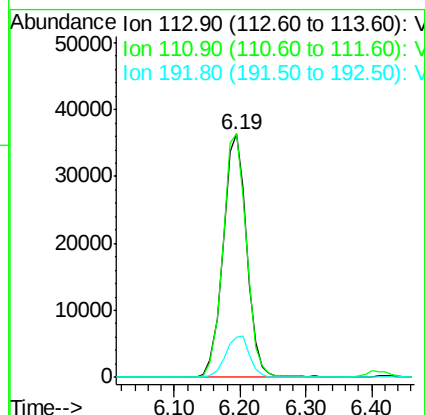
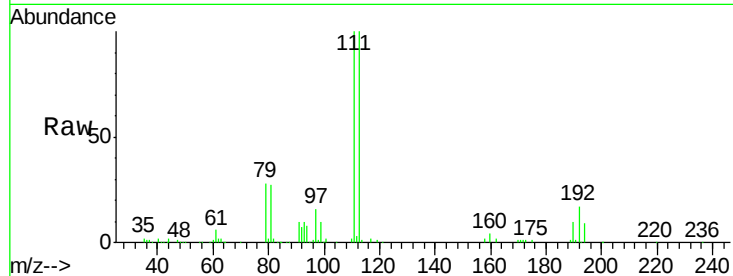
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	91118		
111	99.9	79.4	119.0	
192	16.7	14.6	22.0	

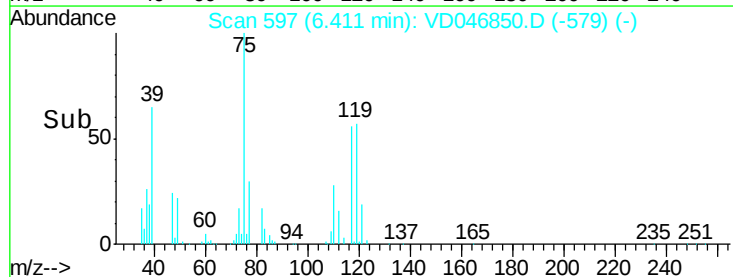
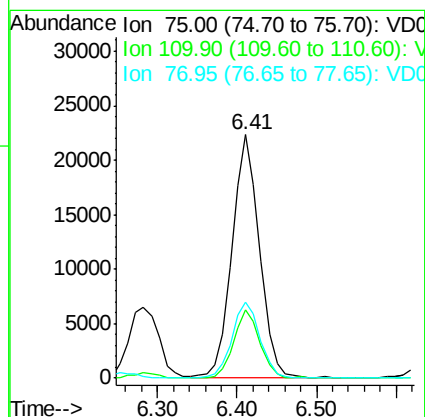
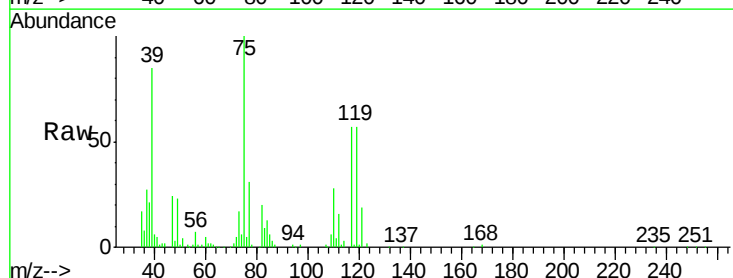
Manual Integrations
 APPROVED

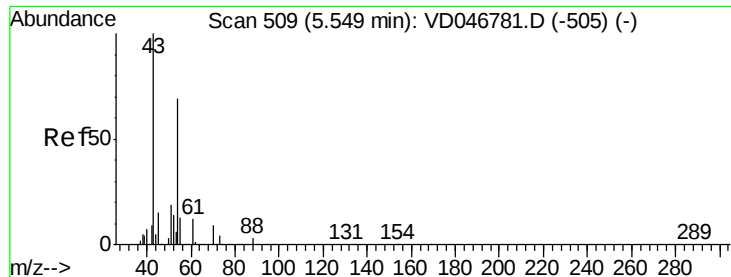
MMDadoda
 9/24/2015 12:56:48 PM



#36
 1,1-Dichloropropene
 Concen: 20.60 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53812		
110	28.0	13.7	41.0	
77	31.4	24.7	37.1	





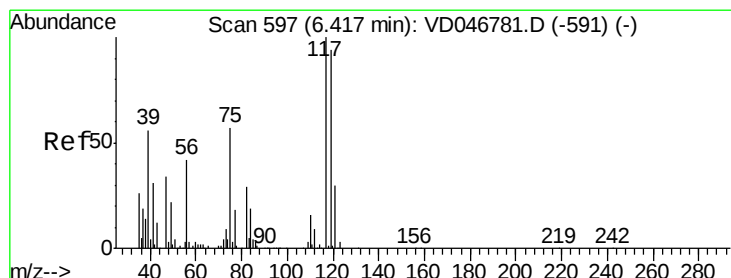
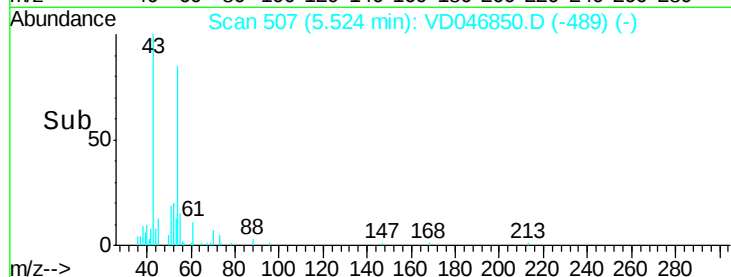
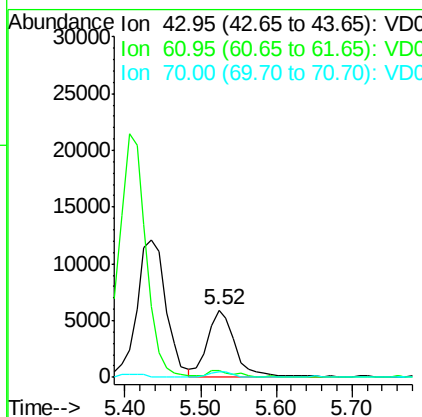
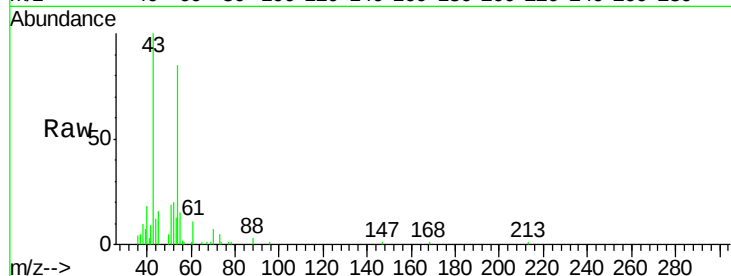
#37
Ethyl Acetate
Concen: 18.46 ug/l
RT: 5.52 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.4	14.2
70	7.5	6.0	9.0

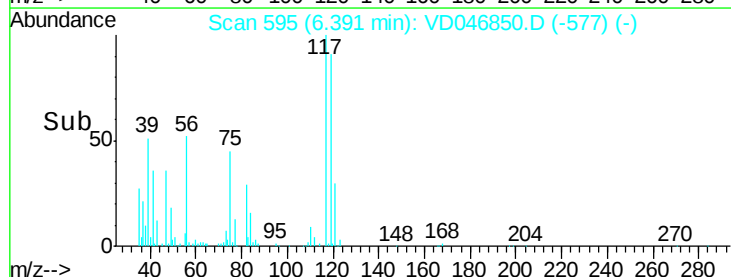
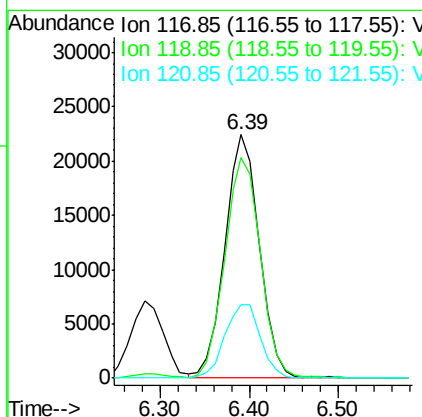
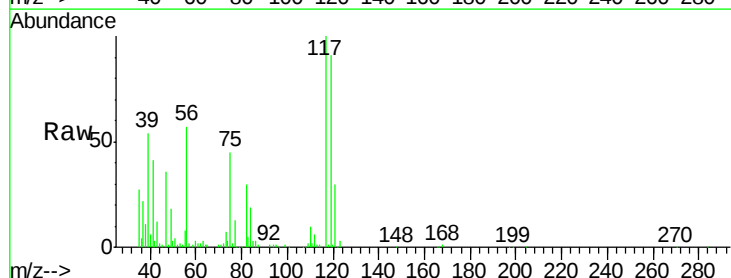
Manual Integrations
APPROVED

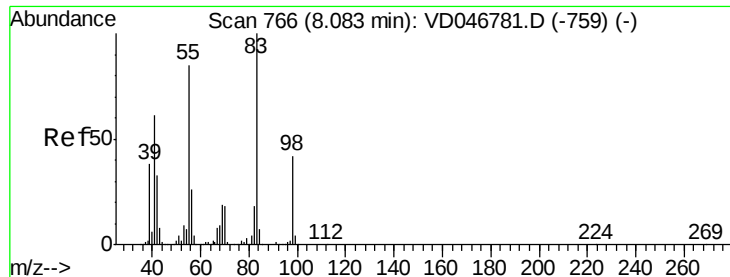
MMDadoda
9/24/2015 12:56:48 PM



#38
Carbon Tetrachloride
Concen: 22.39 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	76.2	114.4
121	30.0	24.5	36.7





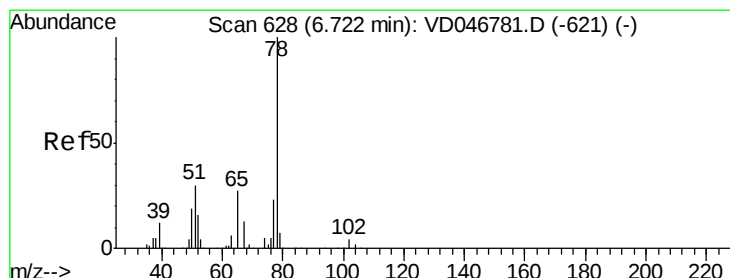
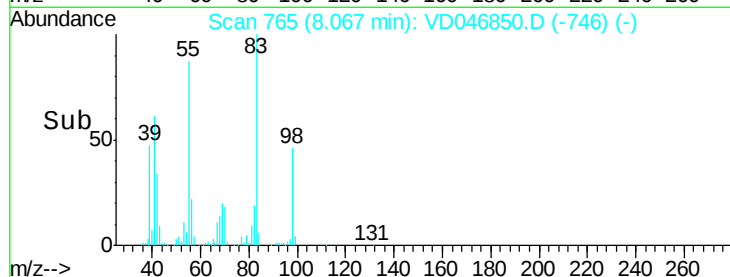
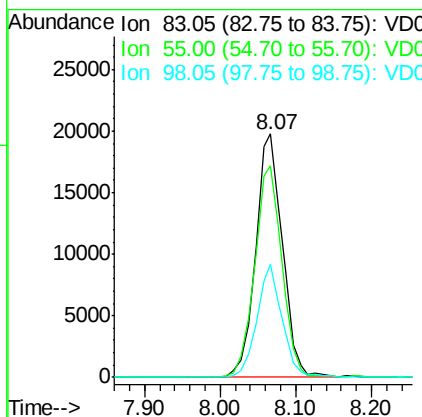
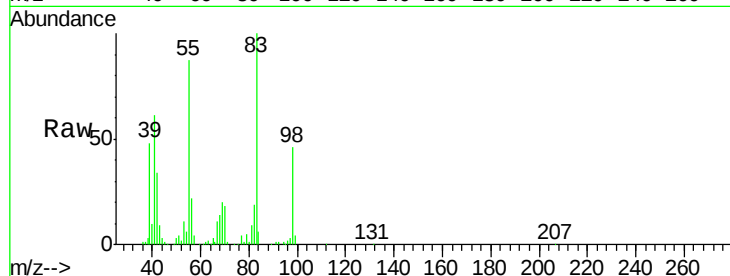
#39
Methvlcvclohexane
Concen: 18.56 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	71.1	106.7
98	46.4	34.6	51.8

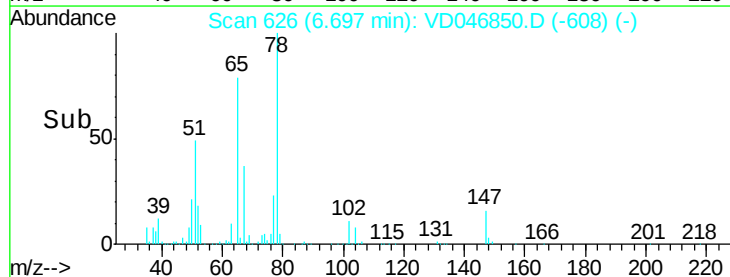
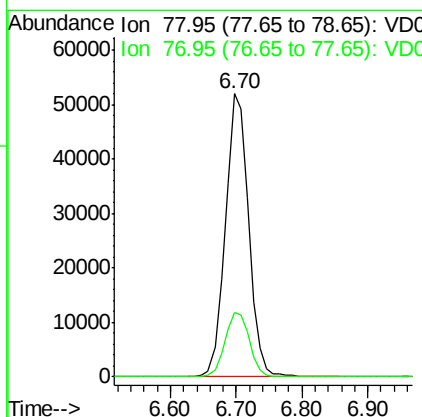
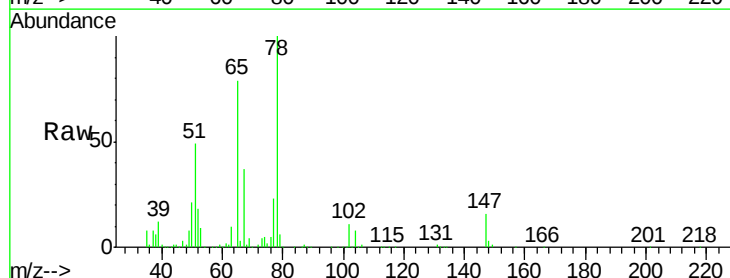
Manual Integrations
APPROVED

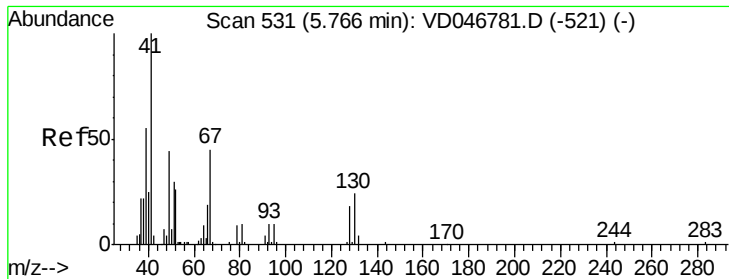
MMDadoda
9/24/2015 12:56:48 PM



#40
Benzene
Concen: 19.33 ug/l
RT: 6.70 min Scan# 626
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.9	29.9





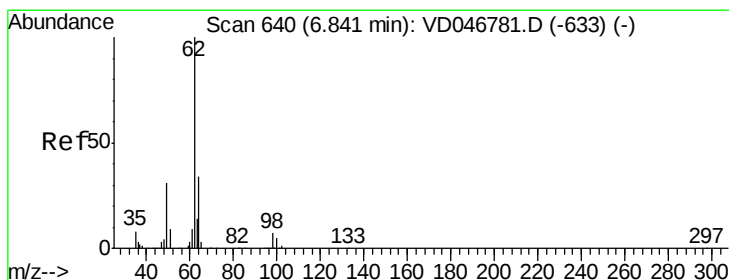
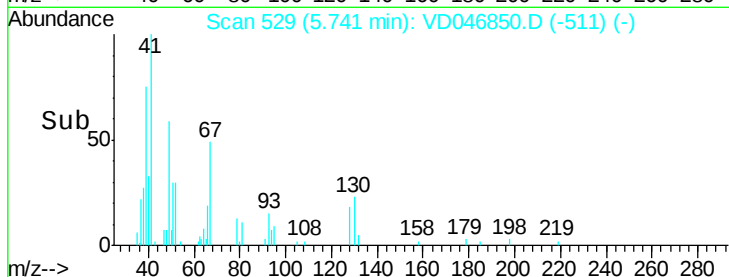
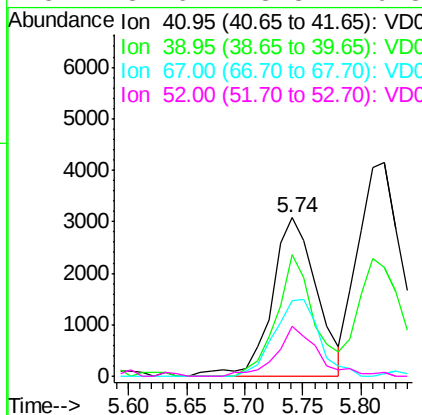
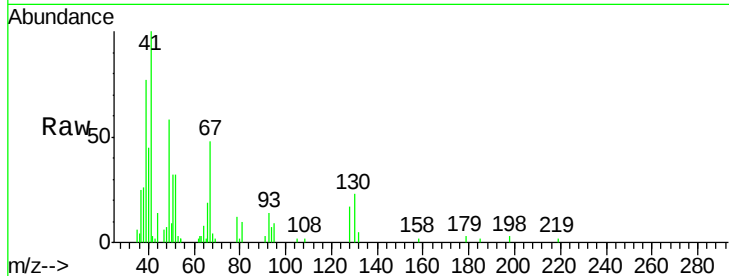
#41
Methacrylonitrile
Concen: 17.40 ug/l
RT: 5.74 min Scan# 529
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ion	Ratio	Lower	Upper
8187	41	100		
	39	76.6	40.2	60.4#
	67	47.8	32.0	48.0
	52	31.6	13.8	20.8#

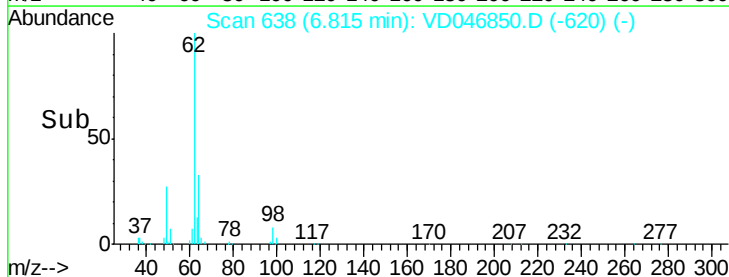
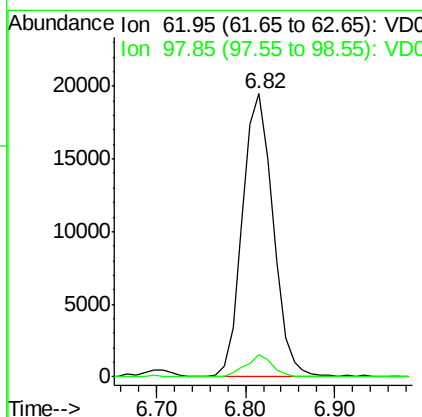
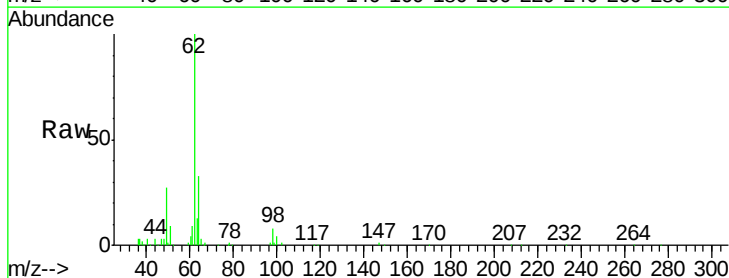
Manual Integrations
APPROVED

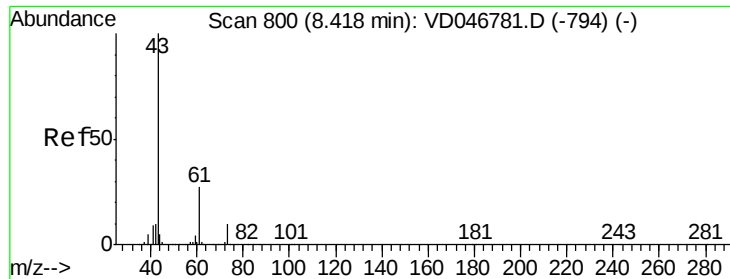
MMDadoda
9/24/2015 12:56:48 PM



#42
1,2-Dichloroethane
Concen: 22.53 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ion	Ratio	Lower	Upper
46674	62	100		
	98	7.8	0.0	16.2





#43

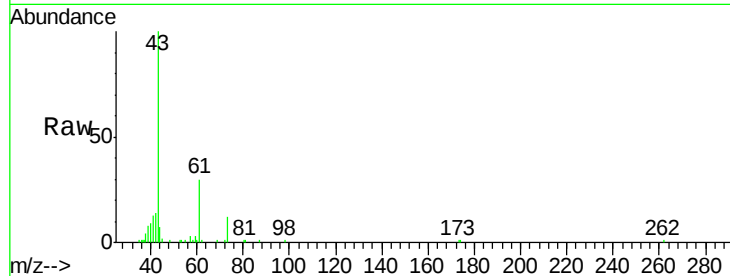
Isopropyl Acetate
 Concen: 17.18 ug/l
 RT: 8.39 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

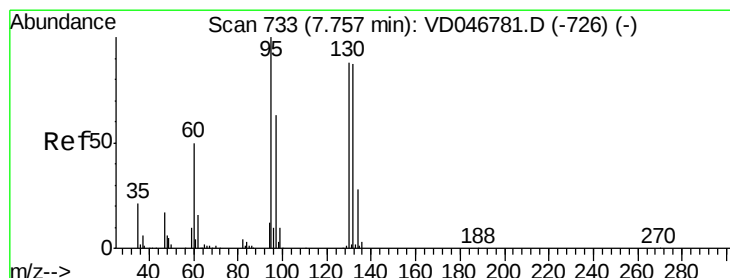
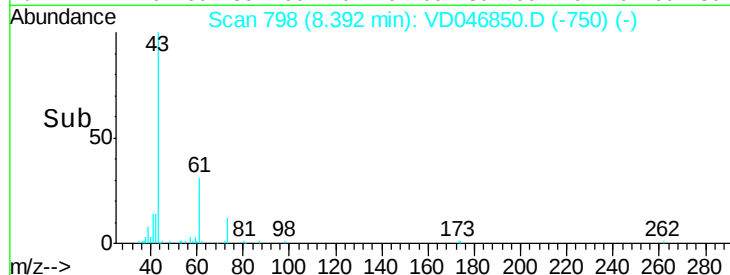
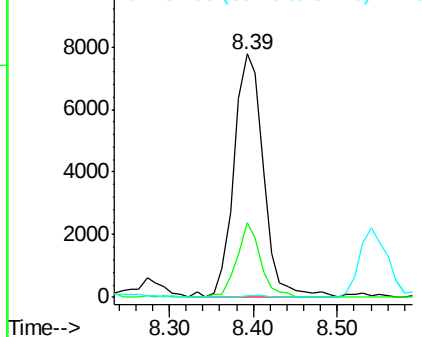
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	19.5	29.3#
87	0.7	0.2	0.2#

Manual Integrations
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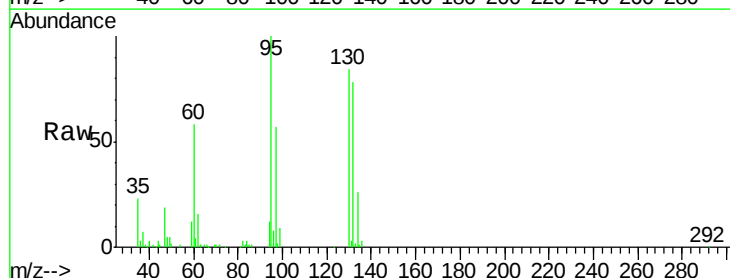
Abundance Ion 42.95 (42.65 to 43.65): VD046781.D (-794) (-)



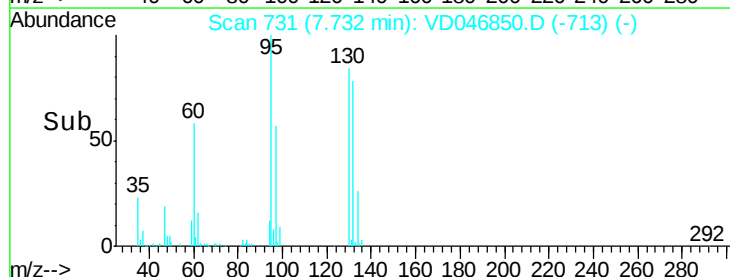
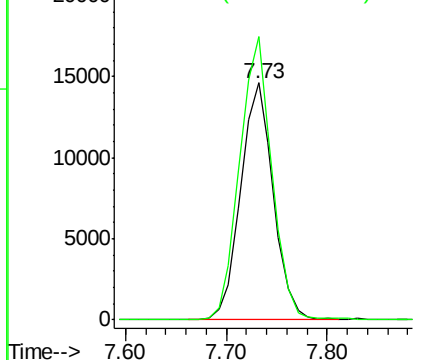
#44

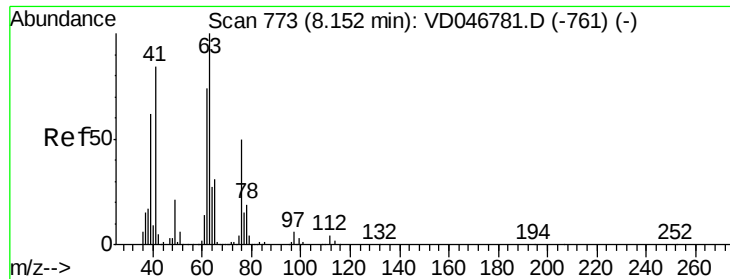
Trichloroethene
 Concen: 19.69 ug/l
 RT: 7.73 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.6	0.0	229.4



Abundance Ion 129.80 (129.50 to 130.50): VD046781.D (-726) (-)





#45

1,2-Dichloropropane

Concen: 18.54 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 63 Resp: 30637

Ion Ratio Lower Upper

63 100

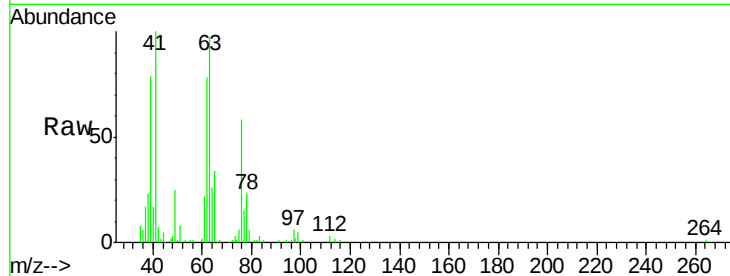
65 35.3 25.1 37.7

Manual Integrations

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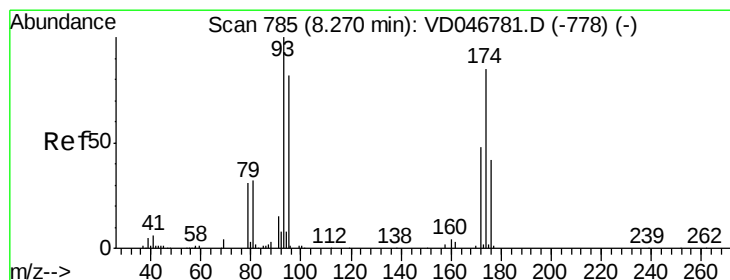
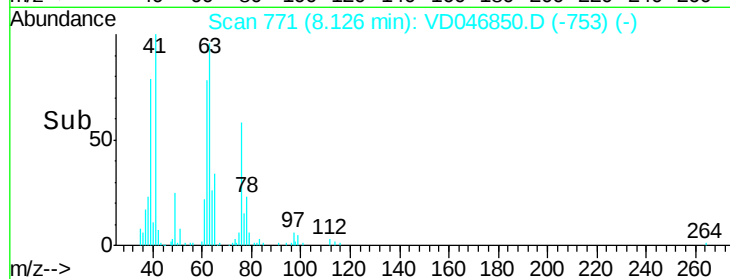
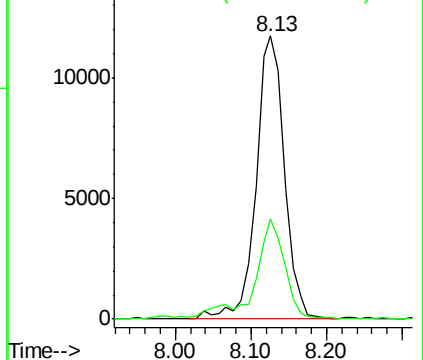
MMDadoda

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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: 20.54 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

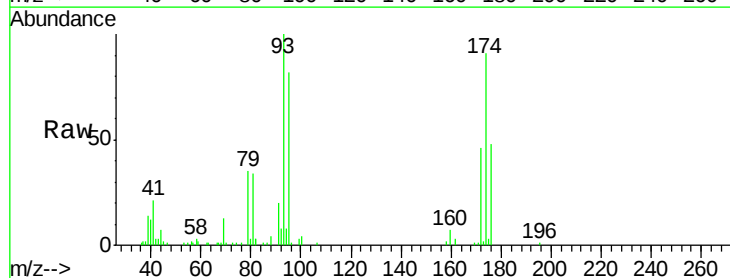
Tgt Ion: 93 Resp: 19266

Ion Ratio Lower Upper

93 100

95 81.7 70.2 105.2

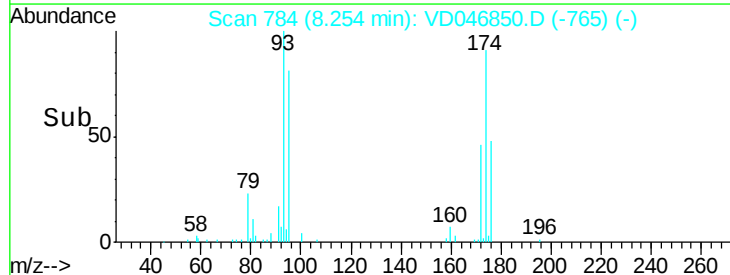
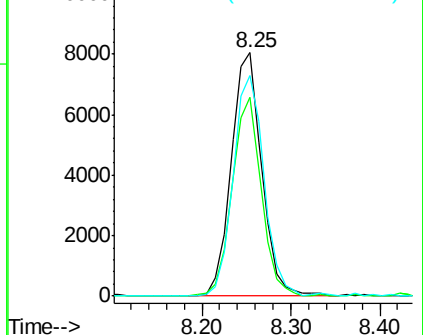
174 90.7 79.0 118.4

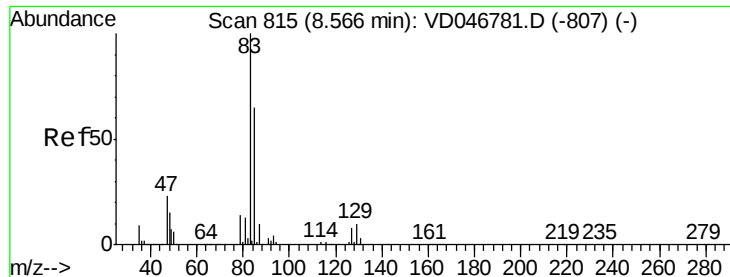


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.46 ug/l

RT: 8.54 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

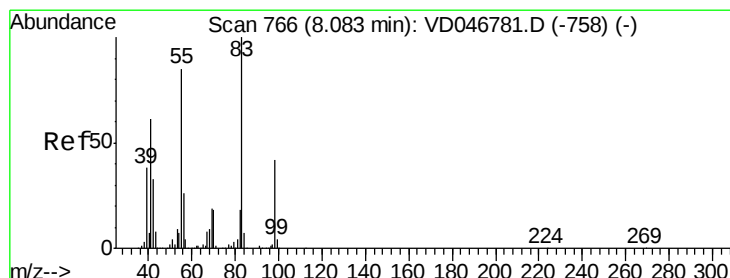
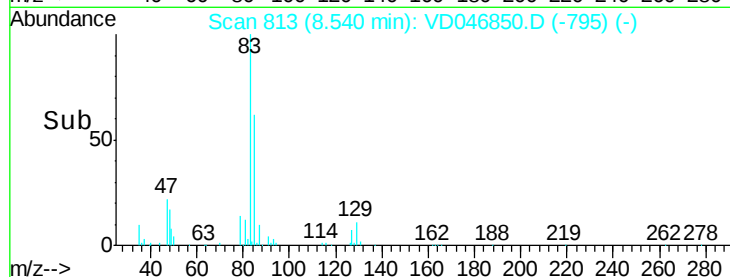
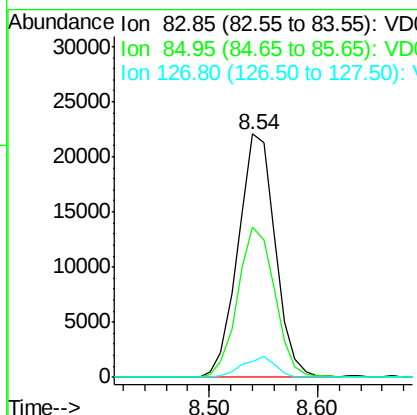
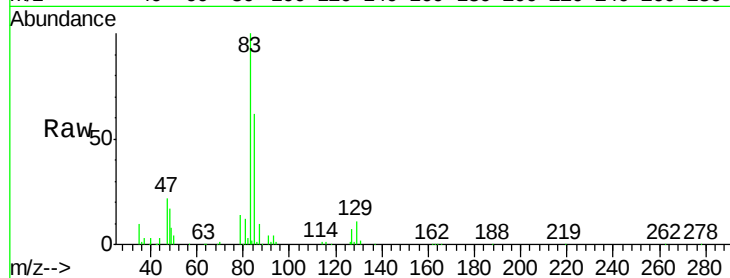
ClientSampleId :

VD0923SBS01

Tot Ion:	83	Resp:	52834
Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.6	78.8
127	6.5	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.18 ug/l

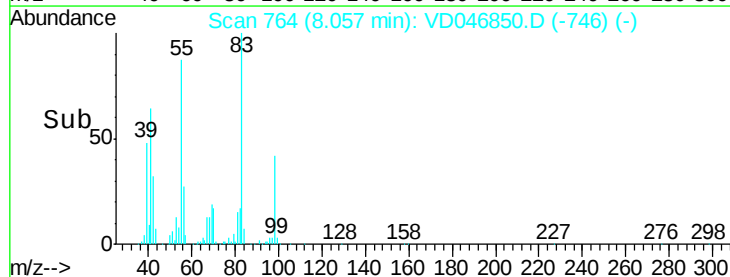
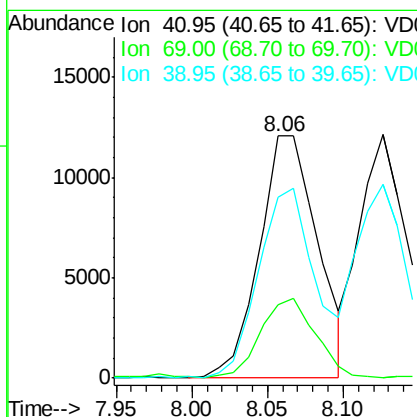
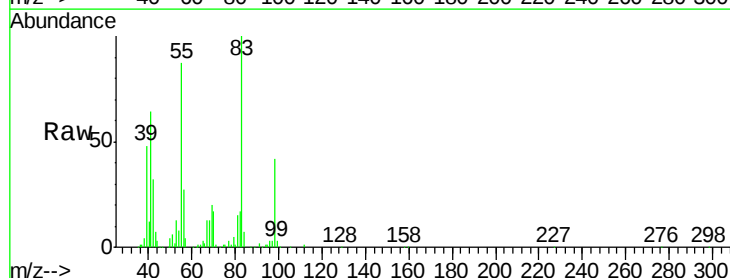
RT: 8.06 min Scan# 764

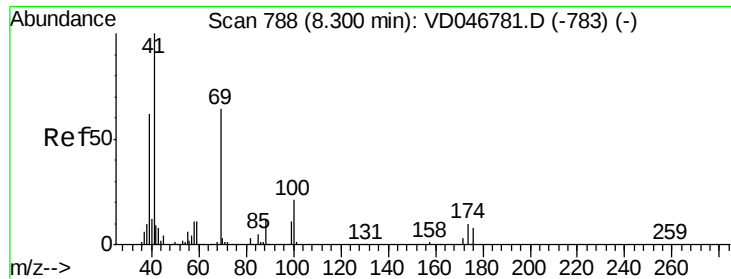
Delta R.T. -0.03 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Tgt Ion:	41	Resp:	32439
Ion	Ratio	Lower	Upper
41	100		
69	30.4	25.3	37.9
39	75.0	47.4	71.0#





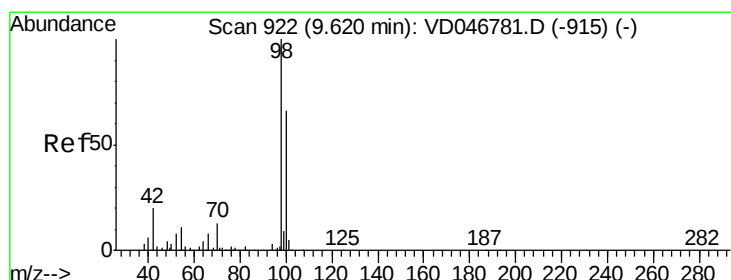
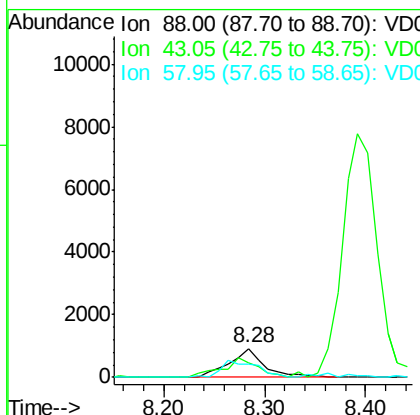
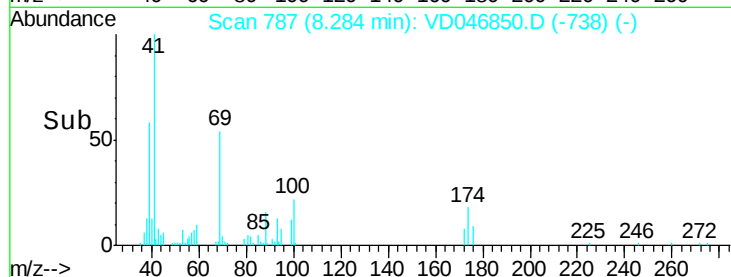
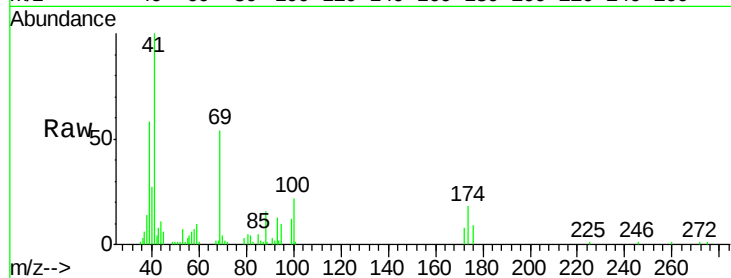
#49
1,4-Dioxane
Concen: 352.95 ug/l
RT: 8.28 min Scan# 787
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.9	50.0	75.0#
58	44.0	48.3	72.5#

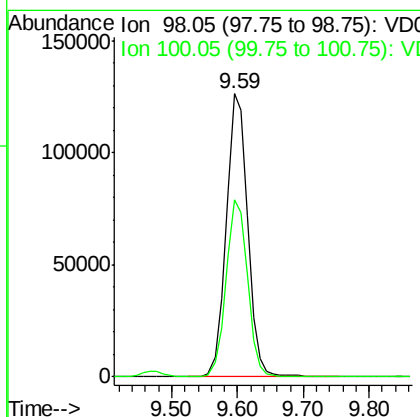
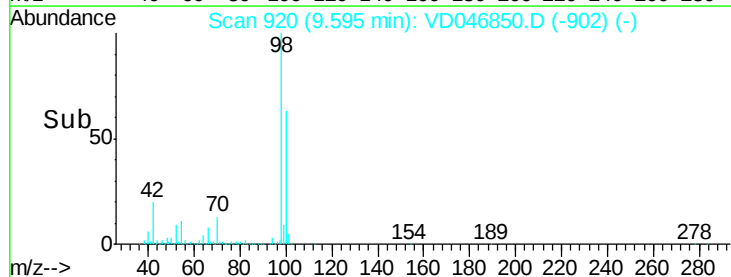
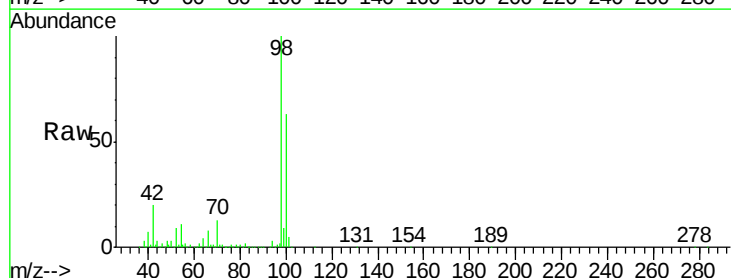
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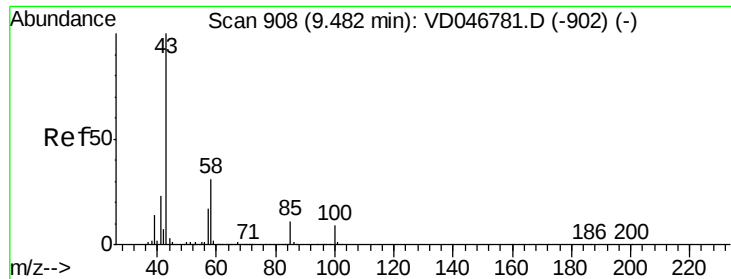
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#50
Toluene-d8
Concen: 352.95 ug/l
RT: 9.59 min Scan# 920
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 90.72 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 43 Resp: 72509

Ion Ratio Lower Upper

43 100

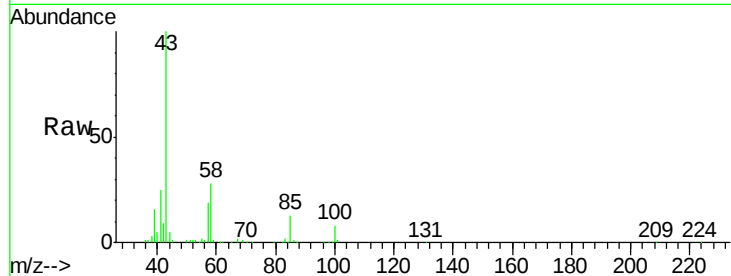
58 28.5 22.2 33.2

Manual Integrations

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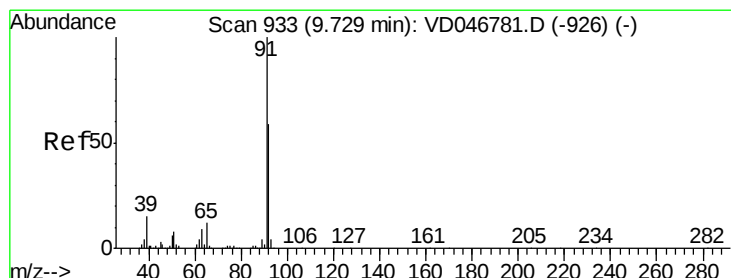
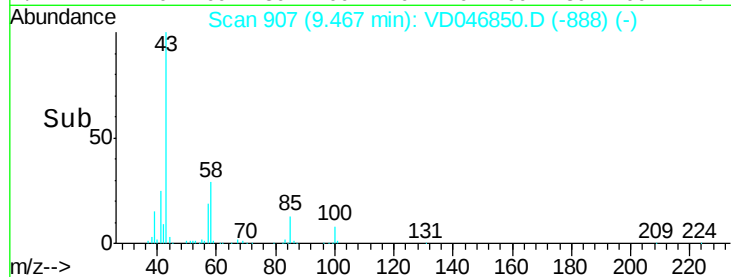
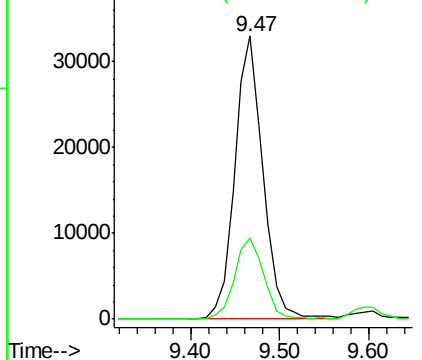
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.62 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046850.D

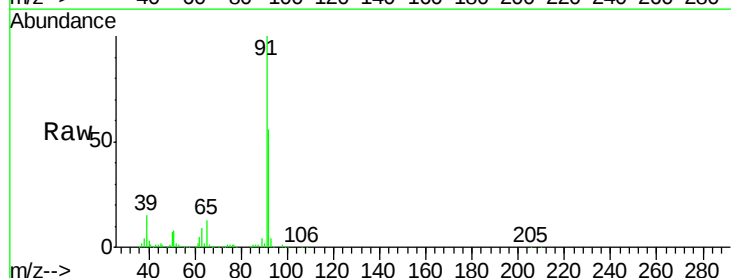
Acq: 23 Sep 2015 12:58

Tgt Ion: 92 Resp: 84818

Ion Ratio Lower Upper

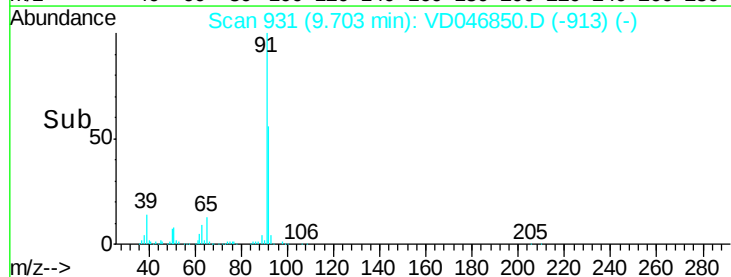
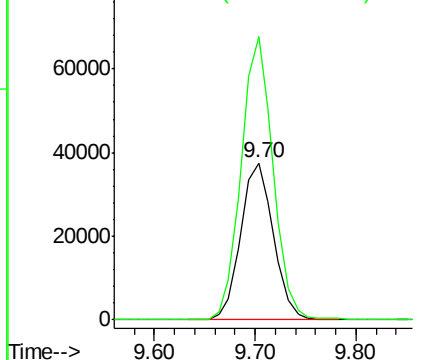
92 100

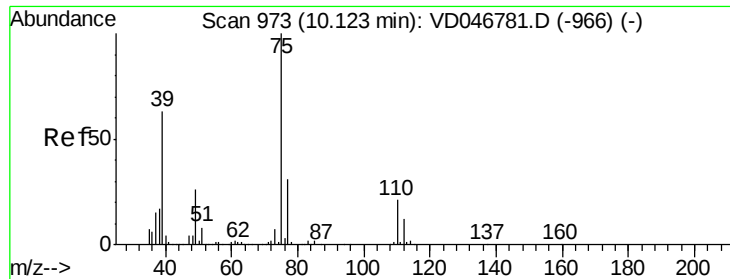
91 180.1 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.12 ug/l

RT: 10.11 min Scan# 972

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 75 Resp: 34755

Ion Ratio Lower Upper

75 100

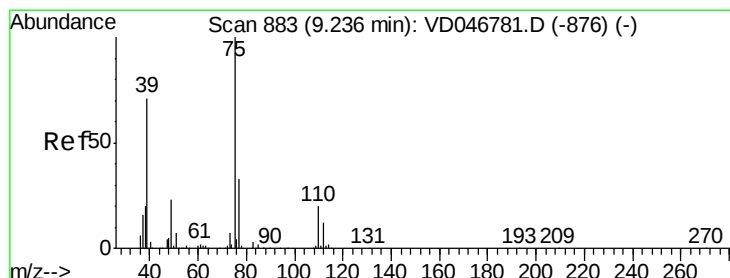
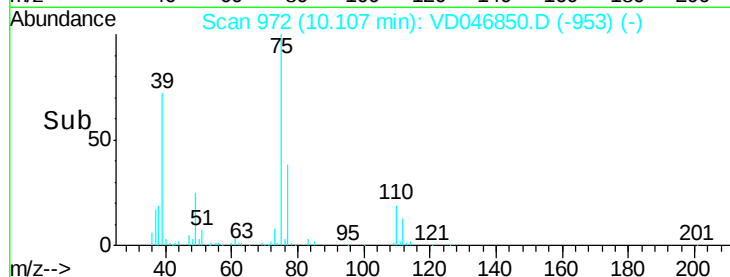
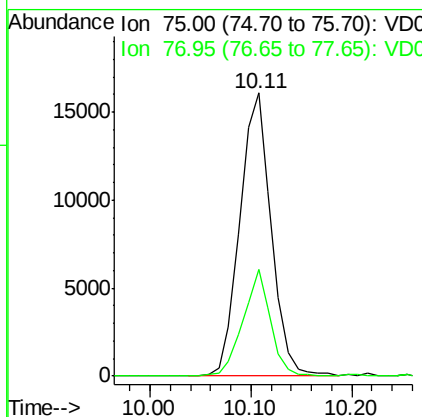
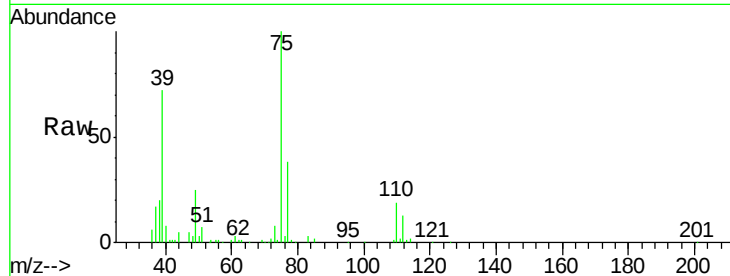
77 37.6 27.6 41.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.27 ug/l

RT: 9.21 min Scan# 881

Delta R.T. -0.03 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

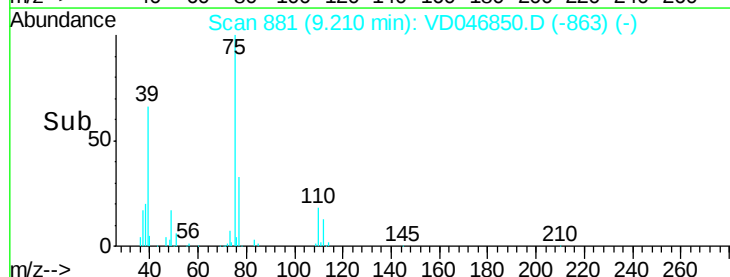
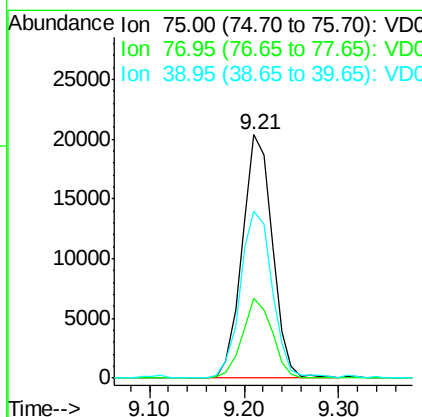
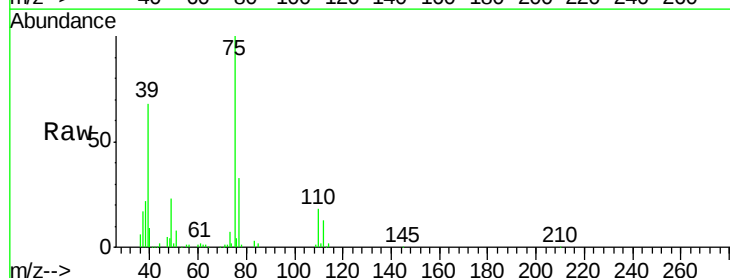
Tgt Ion: 75 Resp: 45122

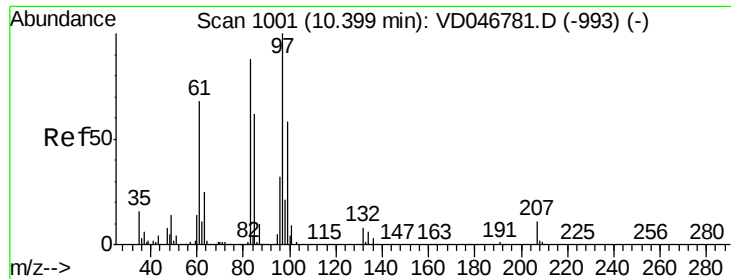
Ion Ratio Lower Upper

75 100

77 32.8 23.8 35.6

39 68.4 53.0 79.6





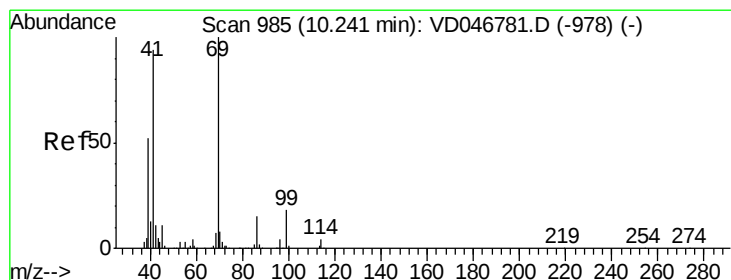
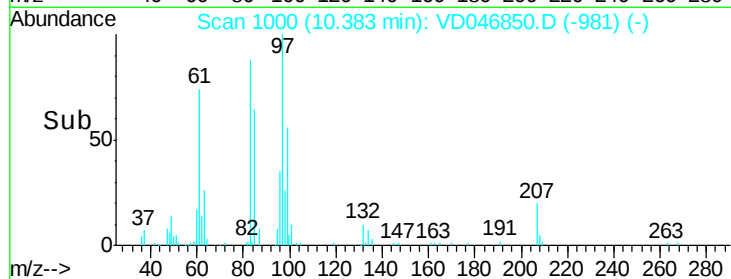
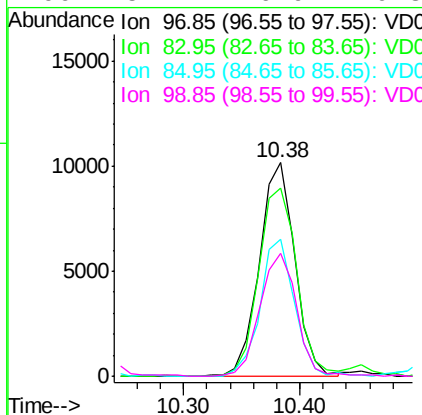
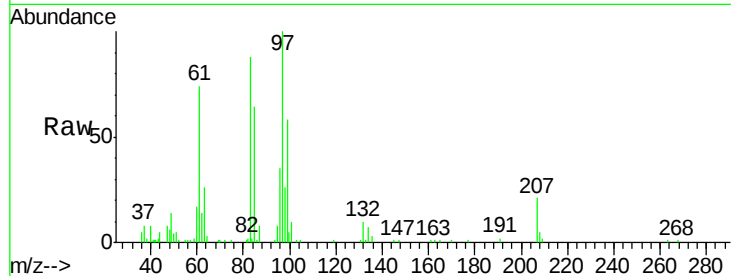
#55
 1,1,2-Trichloroethane
 Concen: 20.20 ug/l
 RT: 10.38 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion:	97	Resp:	21511
Ion	Ratio	Lower	Upper
97	100		
83	88.2	75.3	112.9
85	64.1	50.9	76.3
99	57.7	46.9	70.3

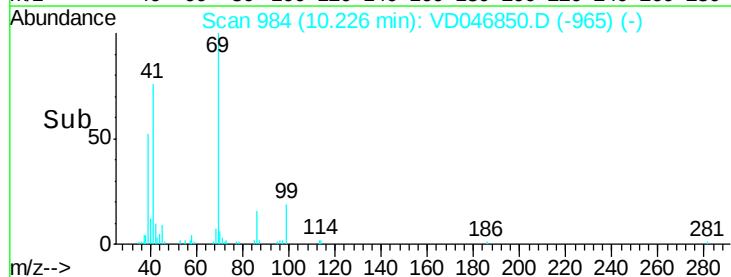
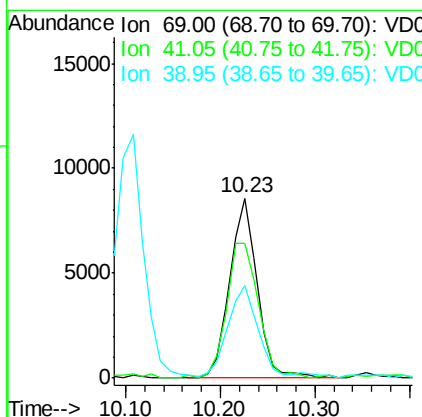
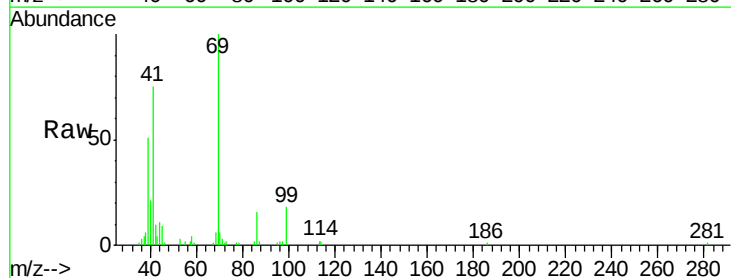
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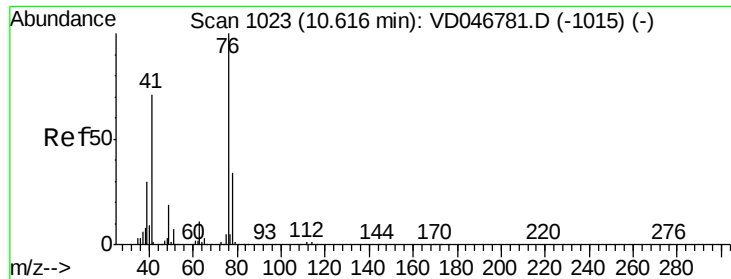
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#56
 Ethyl methacrylate
 Concen: 18.30 ug/l
 RT: 10.23 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion:	69	Resp:	17272
Ion	Ratio	Lower	Upper
69	100		
41	74.9	75.4	113.0#
39	51.2	41.0	61.4





#57

1,3-Dichloropropane

Concen: 19.69 ug/l

RT: 10.59 min Scan# 1021

Delta R.T. -0.03 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 76 Resp: 38998

Ion Ratio Lower Upper

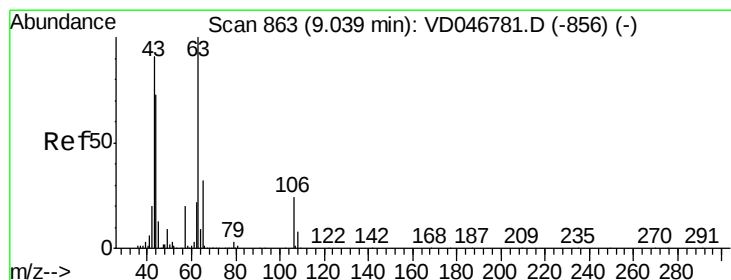
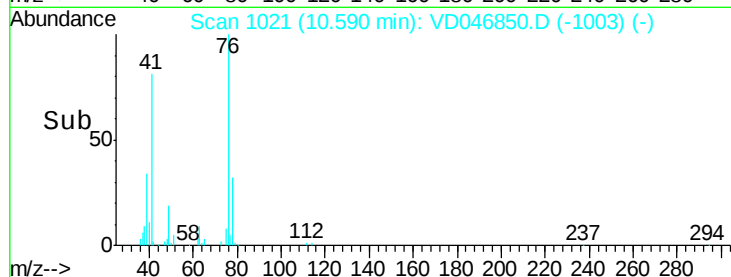
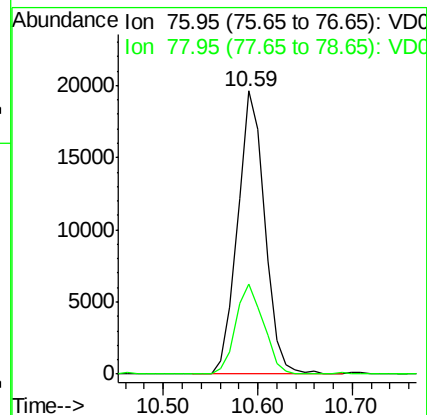
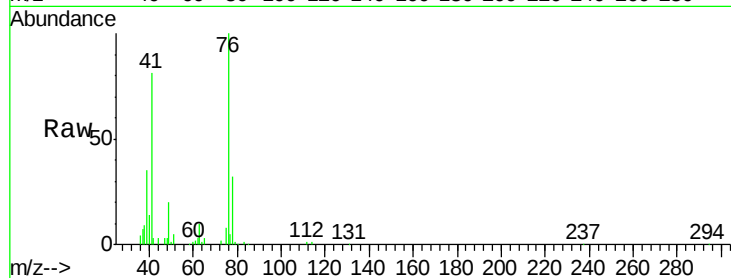
76 100

78 31.8 26.6 39.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 96.41 ug/l

RT: 9.01 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD046850.D

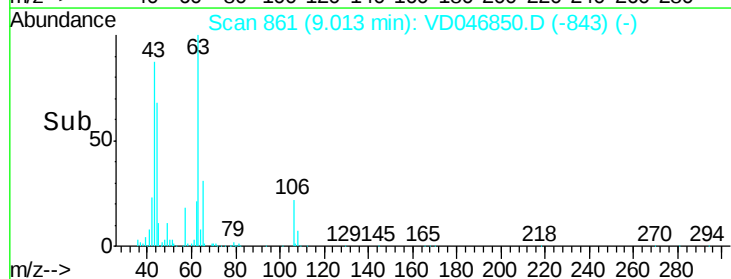
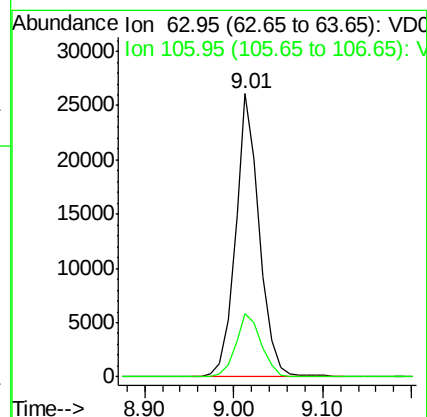
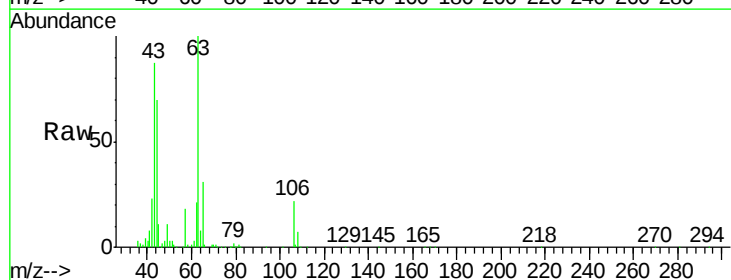
Acq: 23 Sep 2015 12:58

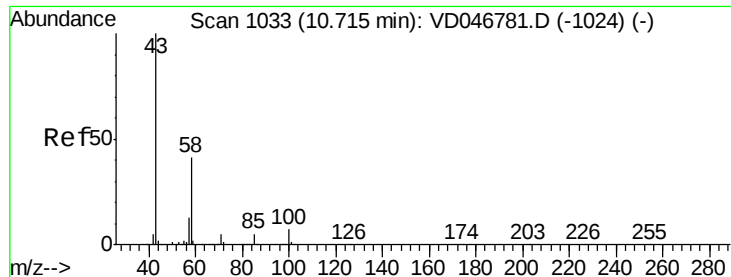
Tgt Ion: 63 Resp: 48536

Ion Ratio Lower Upper

63 100

106 22.3 17.8 26.8





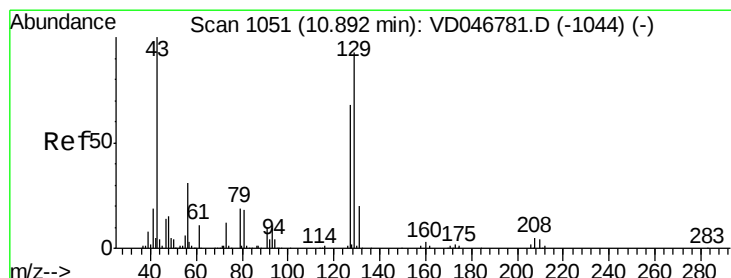
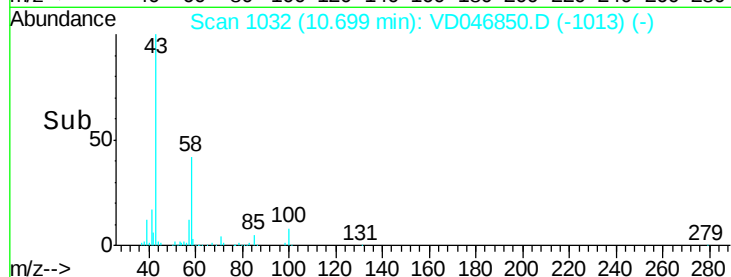
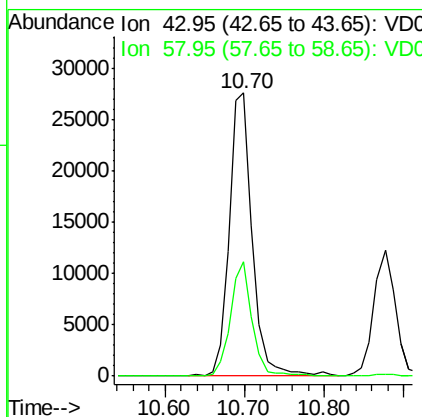
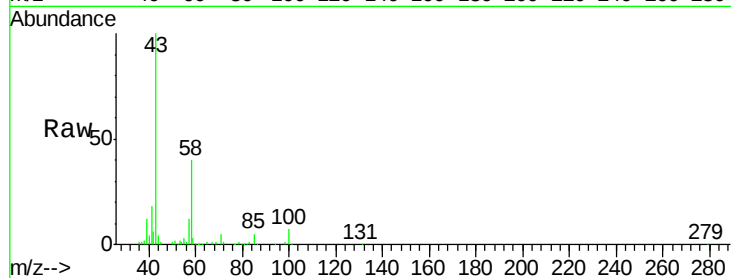
#59
2-Hexanone
Concen: 97.45 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion: 43 Resp: 56272
Ion Ratio Lower Upper
43 100
58 40.3 18.6 55.8

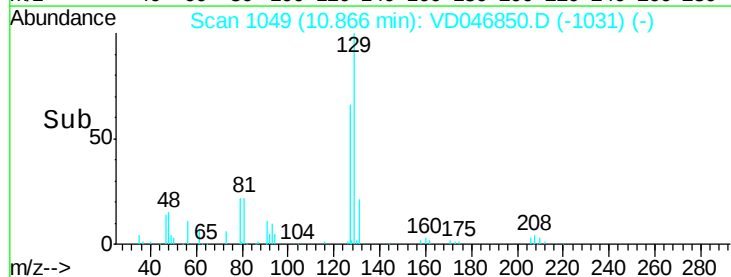
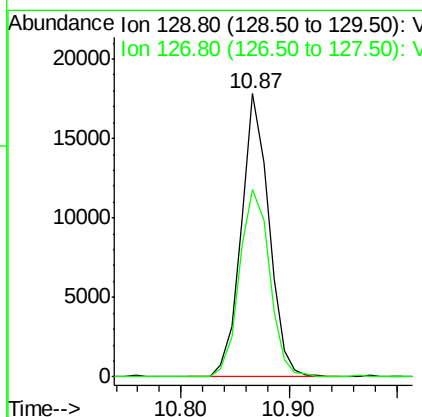
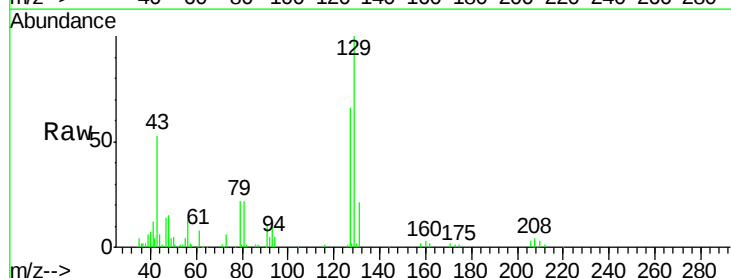
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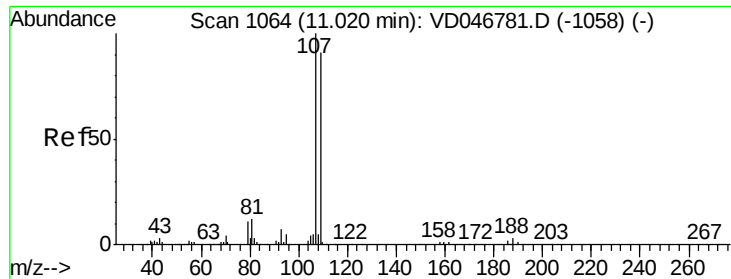
MMDadoda
9/24/2015 12:56:48 PM



#60
Dibromochloromethane
Concen: 21.80 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion: 129 Resp: 31866
Ion Ratio Lower Upper
129 100
127 66.3 38.2 114.6





#61

1,2-Dibromoethane

Concen: 19.87 ug/l

RT: 11.00 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:107 Resp: 20889

Ion Ratio Lower Upper

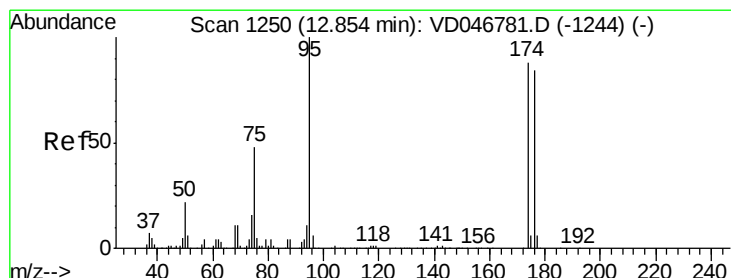
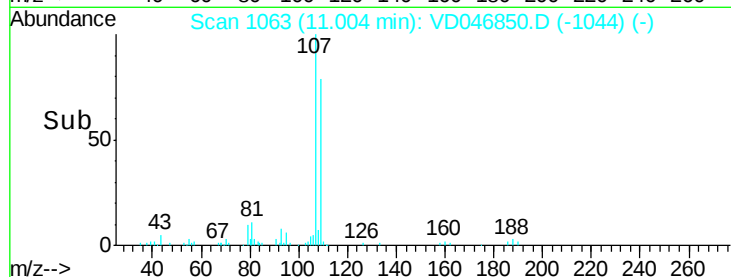
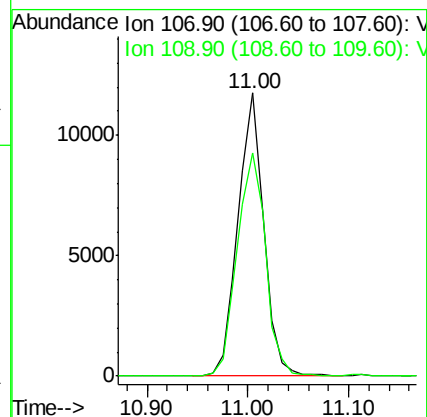
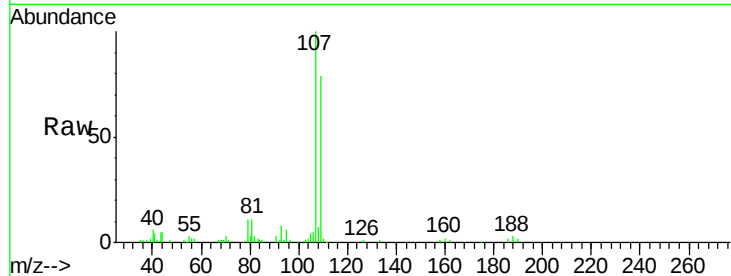
107 100

109 78.8 71.4 107.0

Manual Integrations
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MMDadoda

9/24/2015 12:56:48 PM



#62

4-Bromofluorobenzene

Concen: 19.87 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

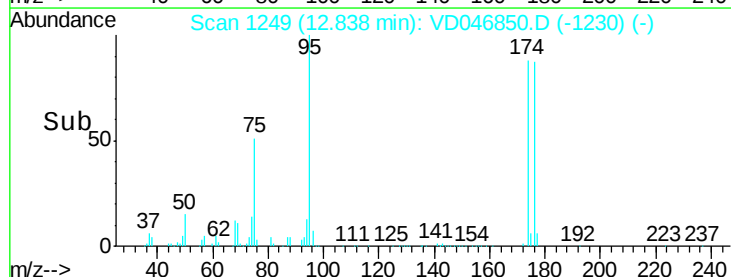
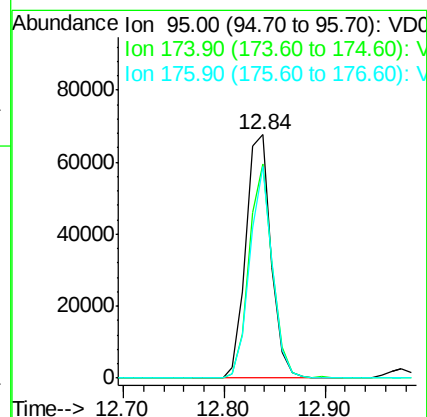
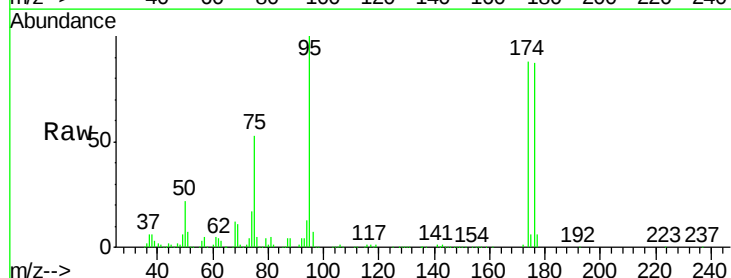
Tgt Ion: 95 Resp: 118287

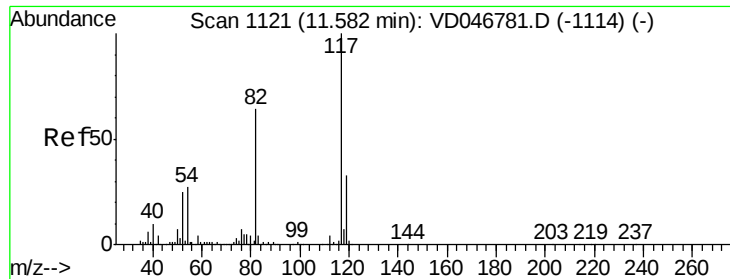
Ion Ratio Lower Upper

95 100

174 87.8 0.0 149.8

176 86.7 0.0 143.4





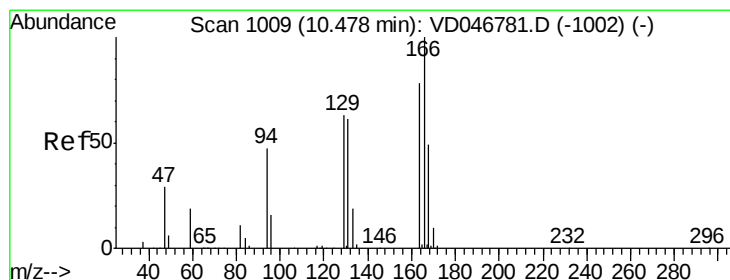
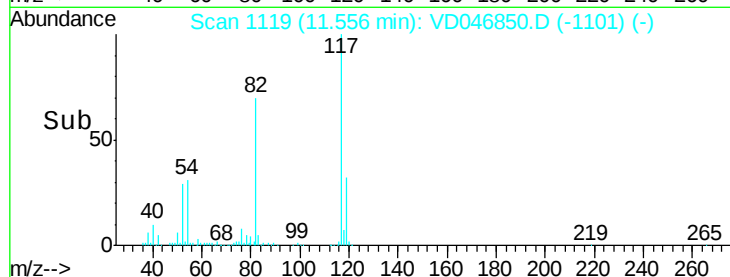
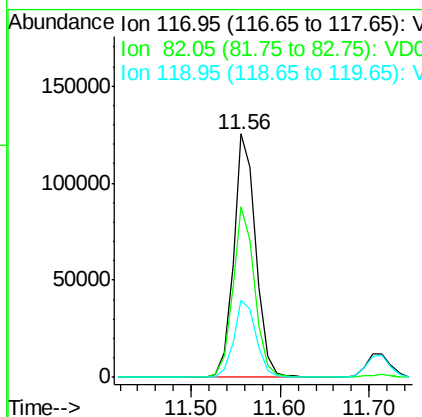
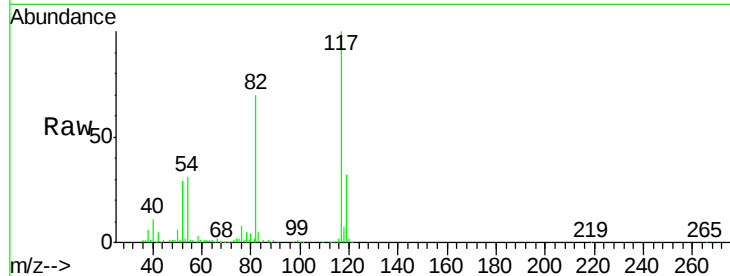
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	217697		
82	70.0	50.6	75.8	
119	31.9	25.8	38.8	

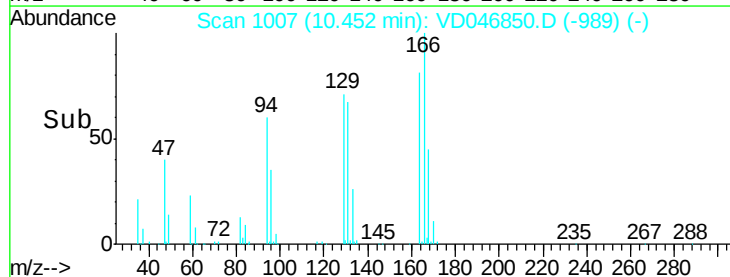
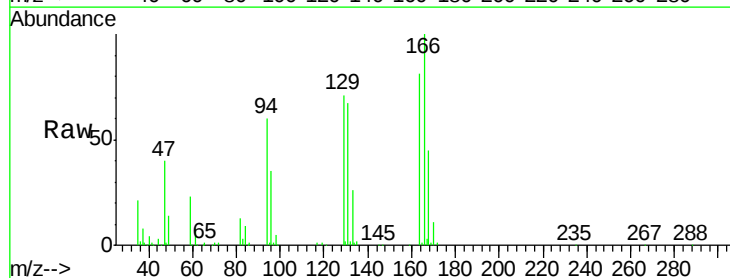
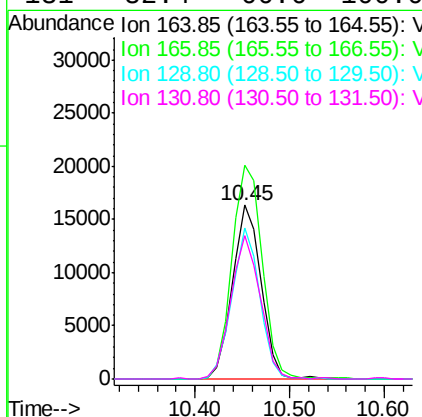
Manual Integrations
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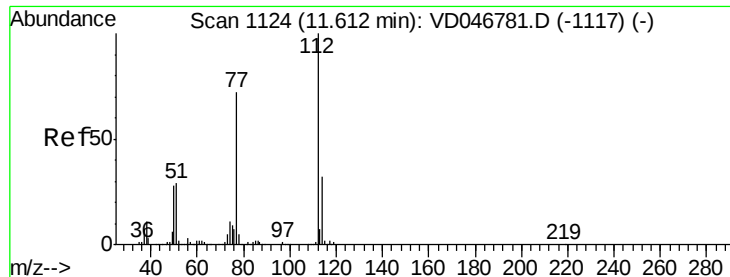
MMDadoda
9/24/2015 12:56:48 PM



#64
Tetrachloroethene
Concen: 19.59 ug/l
RT: 10.45 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34432		
166	122.8	106.8	160.2	
129	87.1	70.6	106.0	
131	82.4	66.6	100.0	





#65

Chlorobenzene

Concen: 19.98 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:112 Resp: 91528

Ion Ratio Lower Upper

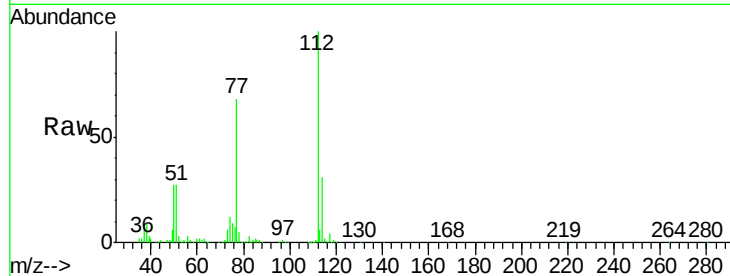
112 100

114 30.9 25.3 37.9

Manual Integrations
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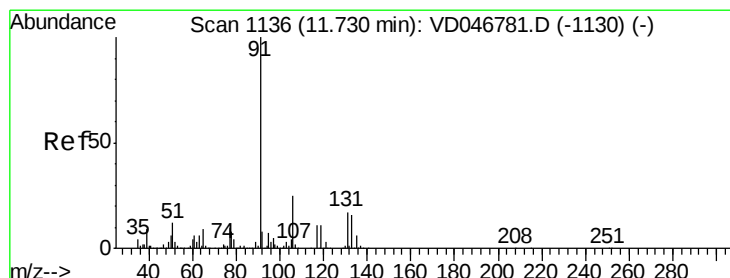
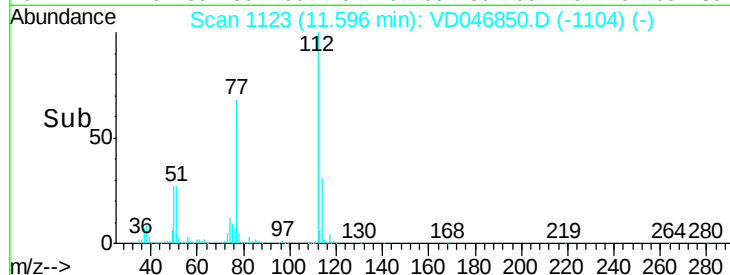
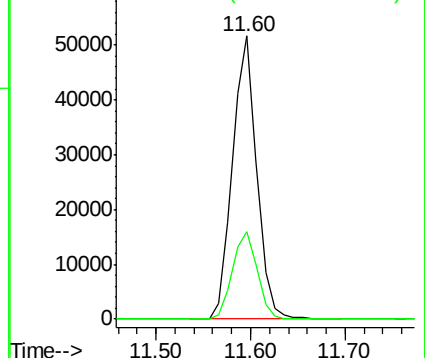
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.15 ug/l

RT: 11.71 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

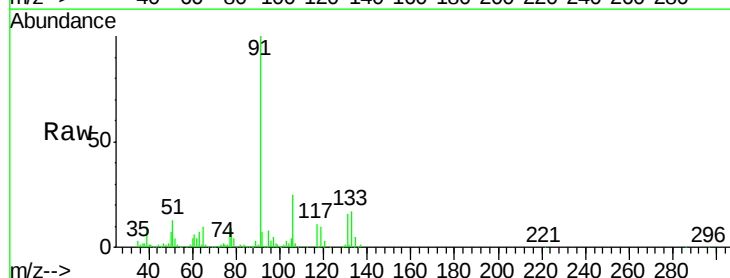
Tgt Ion:131 Resp: 33910

Ion Ratio Lower Upper

131 100

133 101.5 48.4 145.0

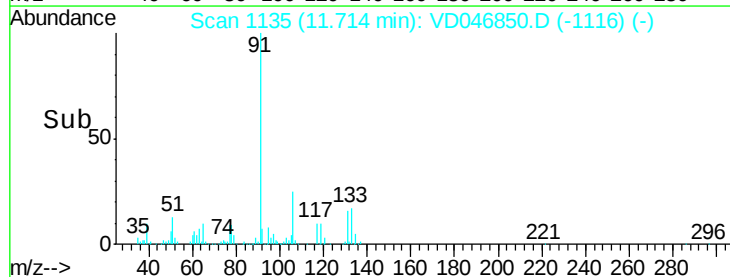
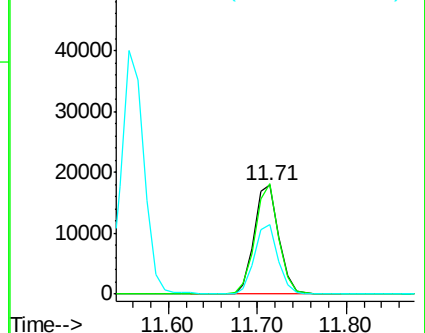
119 63.3 31.5 94.5

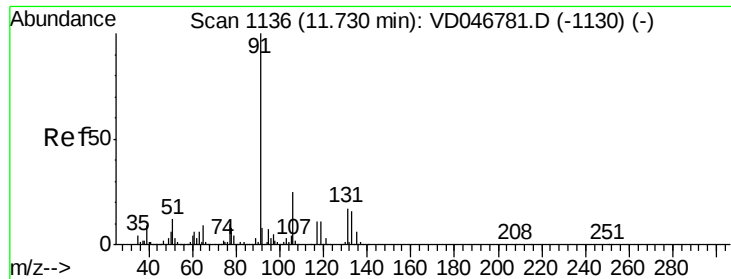


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





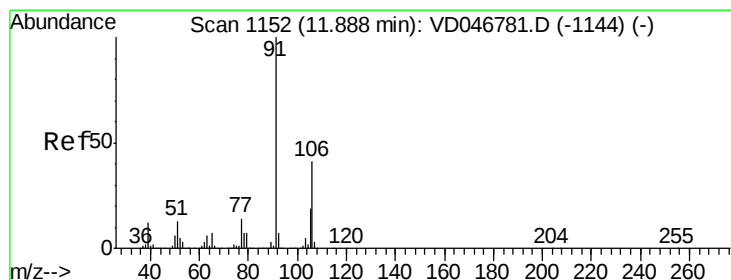
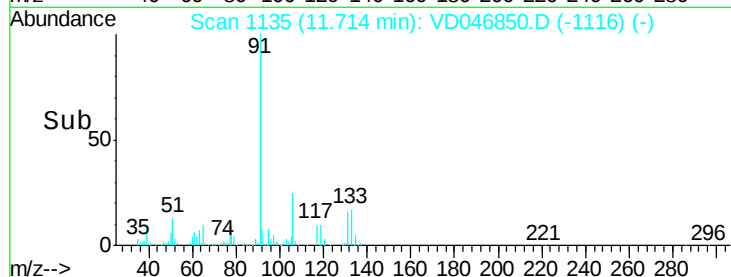
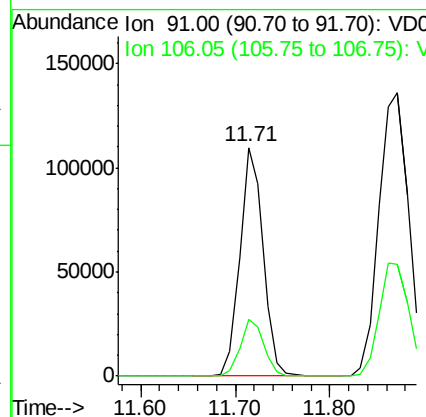
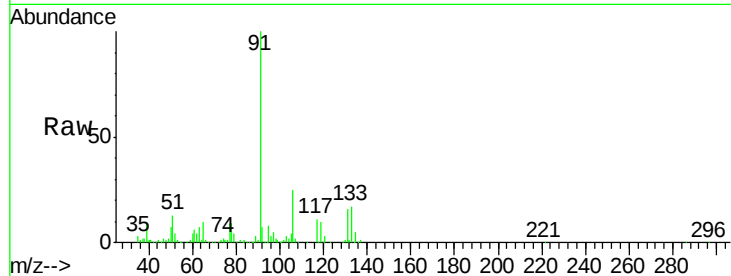
#67
Ethyl Benzene
Concen: 20.24 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleID :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	25.0	20.2	30.2

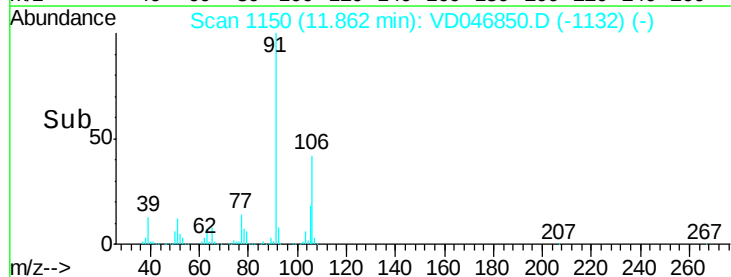
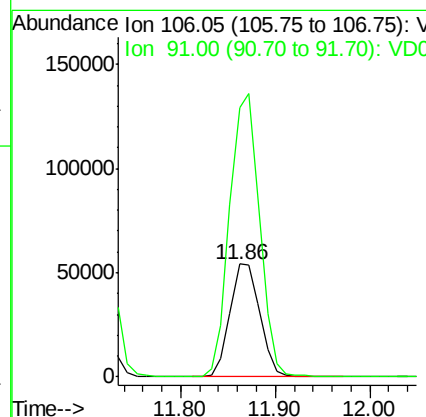
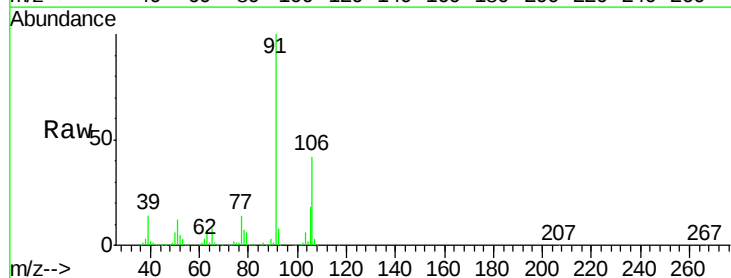
Manual Integrations
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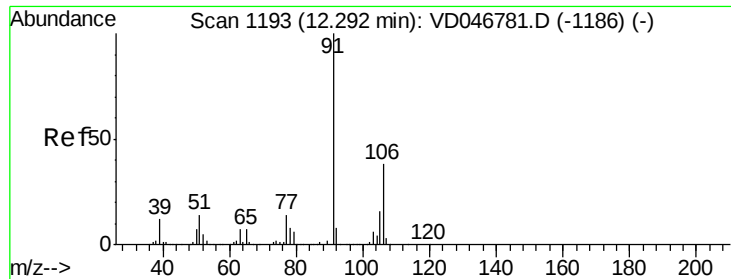
MMDadoda
9/24/2015 12:56:48 PM



#68
m/p-Xylenes
Concen: 40.74 ug/l
RT: 11.86 min Scan# 1150
Delta R.T. -0.03 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	239.3	187.9	281.9





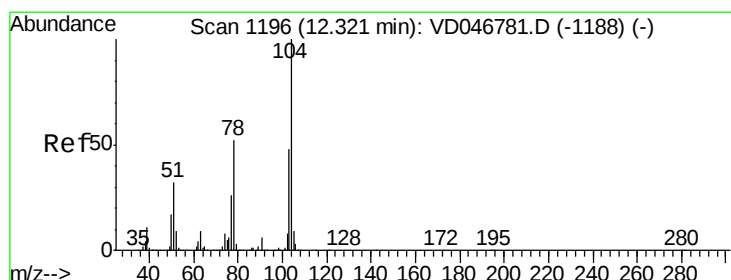
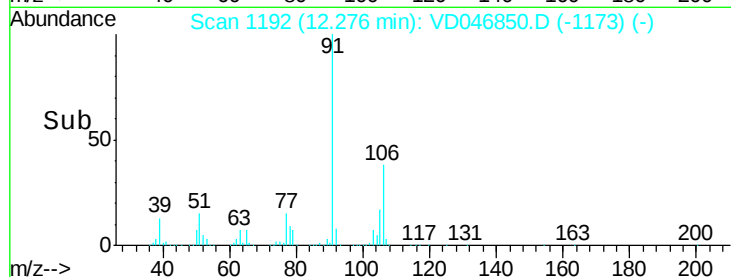
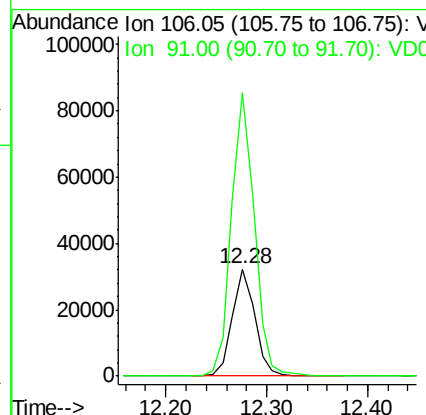
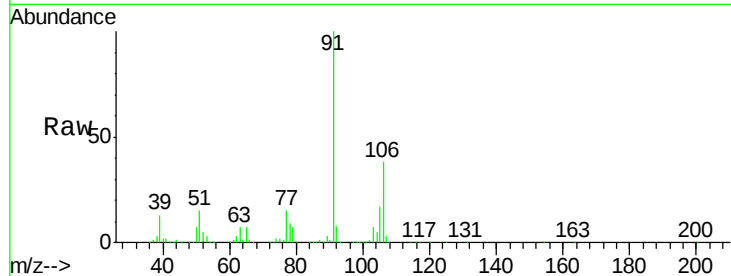
#69
o-Xylene
Concen: 19.20 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion:106 Resp: 50182
Ion Ratio Lower Upper
106 100
91 264.9 124.8 374.5

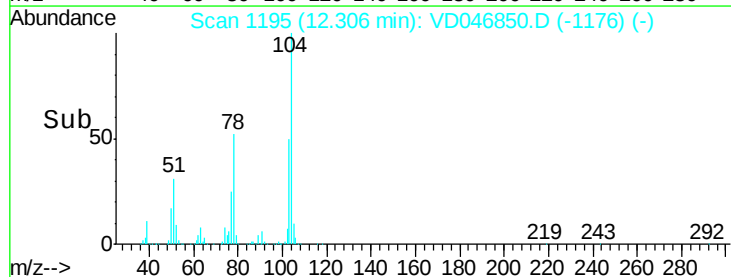
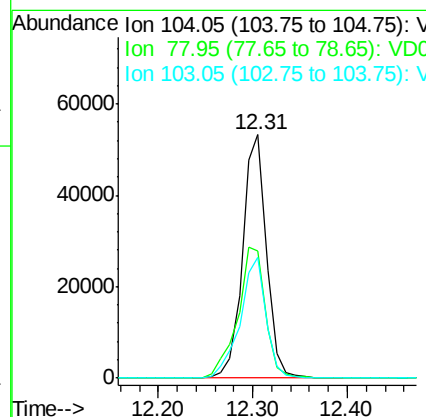
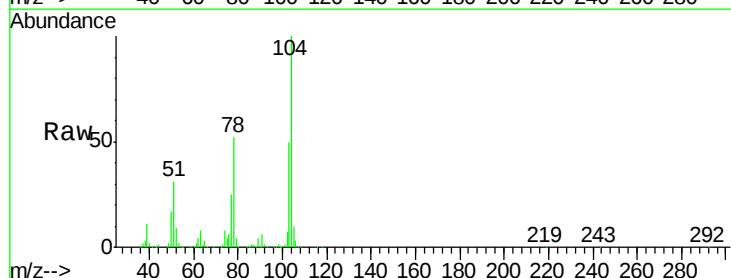
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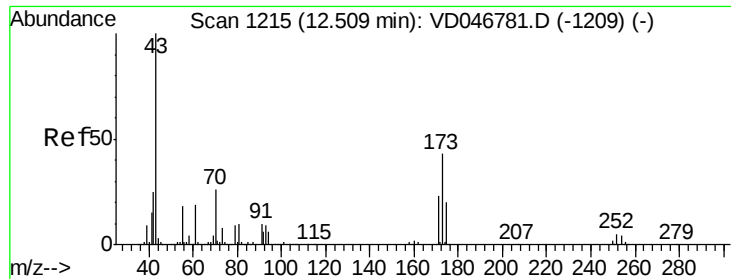
MMDadoda
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#70
Styrene
Concen: 20.45 ug/l
RT: 12.31 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion:104 Resp: 92674
Ion Ratio Lower Upper
104 100
78 52.4 44.5 66.7
103 49.8 40.3 60.5





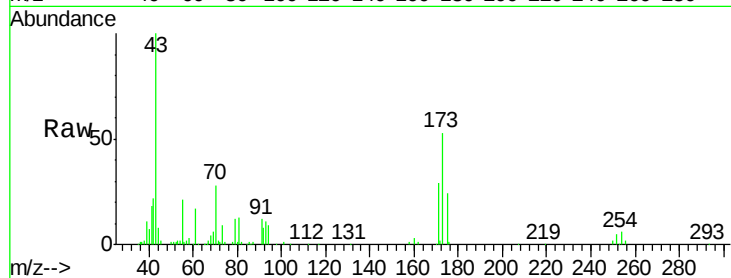
#71
Bromoform
Concen: 19.45 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

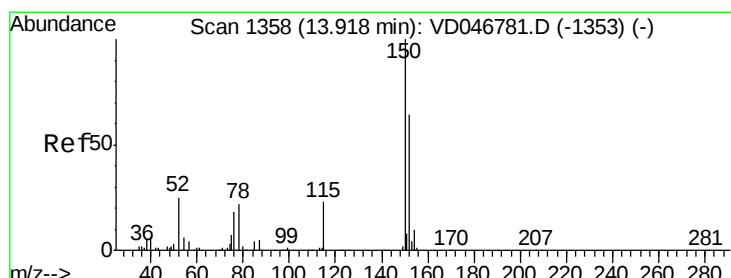
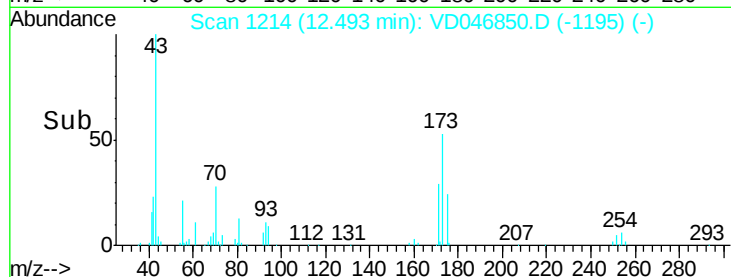
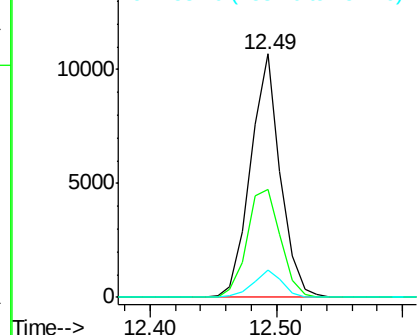
Tot Ion	Ratio	Lower	Upper
173	100		
175	44.5	23.1	69.3
254	11.2	8.7	13.1

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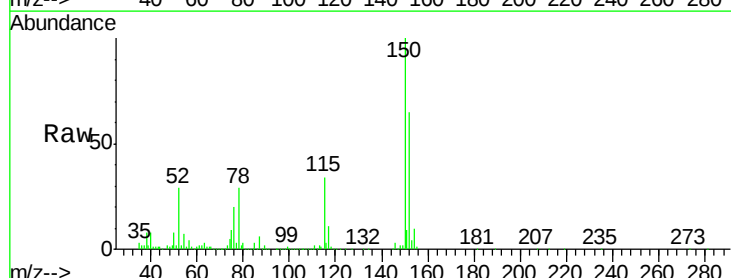


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

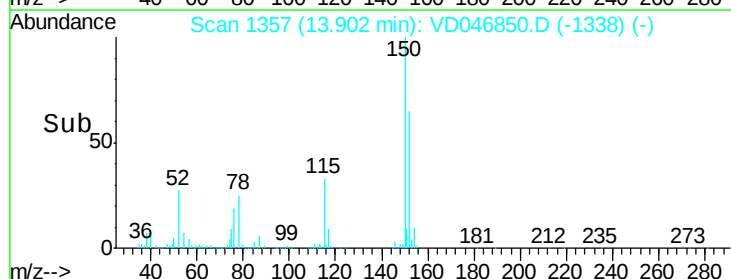
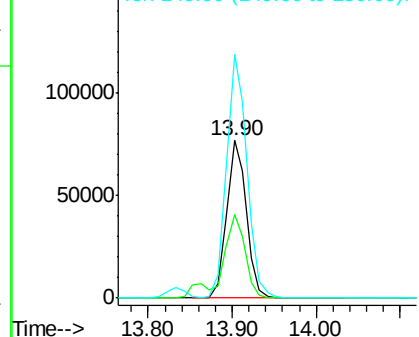


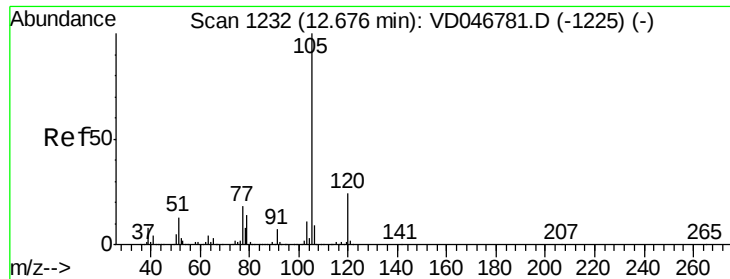
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.90 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	26.2	78.6
150	154.7	0.0	311.8



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





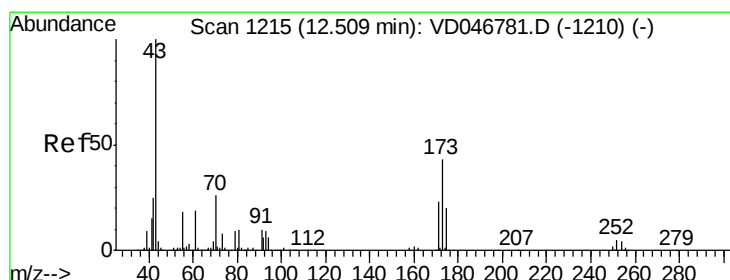
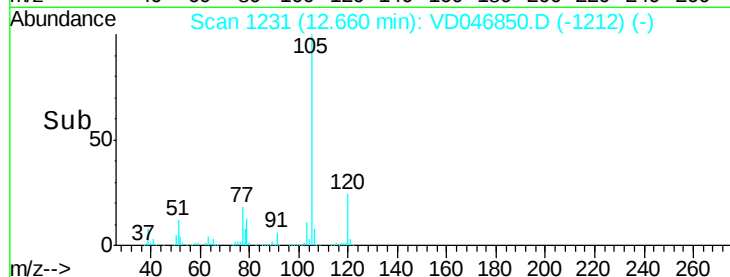
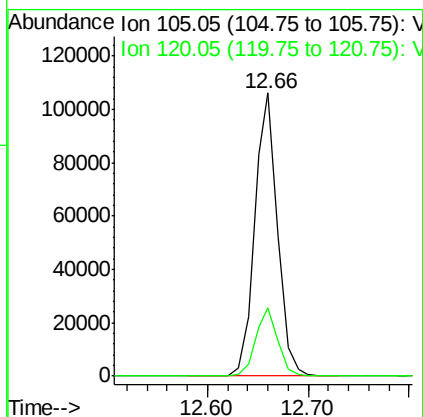
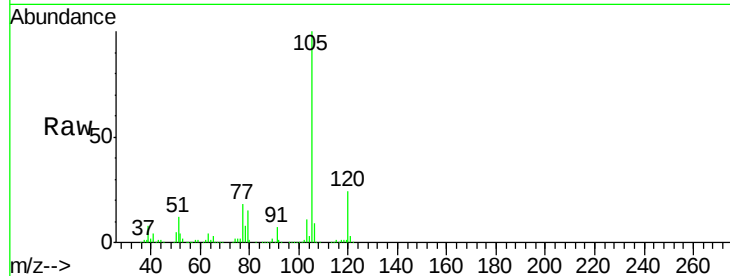
#73
Isopropylbenzene
Concen: 19.00 ug/l
RT: 12.66 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.4	37.4

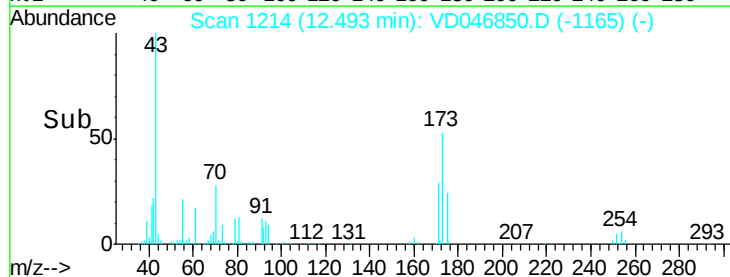
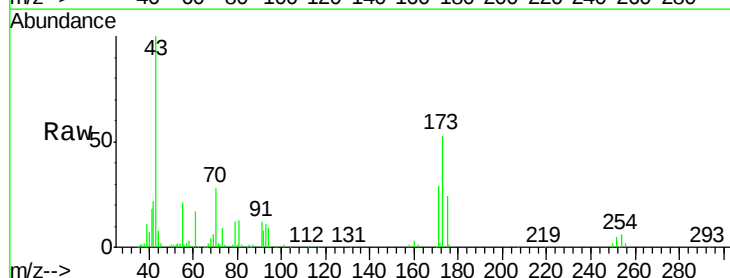
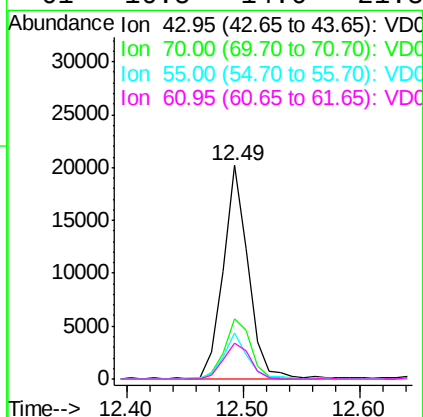
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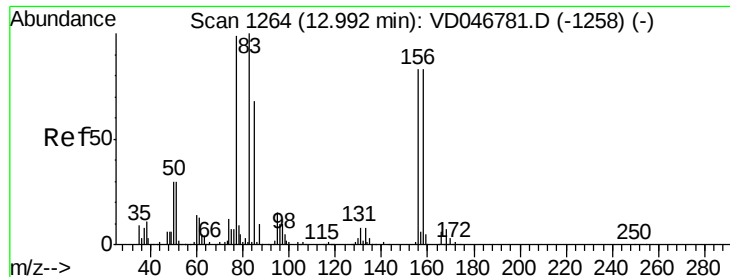
MMDadoda
9/24/2015 12:56:48 PM



#74
N-ethyl acetate
Concen: 17.16 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	28.1	22.1	33.1
55	21.5	14.5	21.7
61	16.5	14.6	21.8





#75

1,1,2,2-Tetrachloroethane

Concen: 17.59 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 83 Resp: 24865

Ion Ratio Lower Upper

83 100

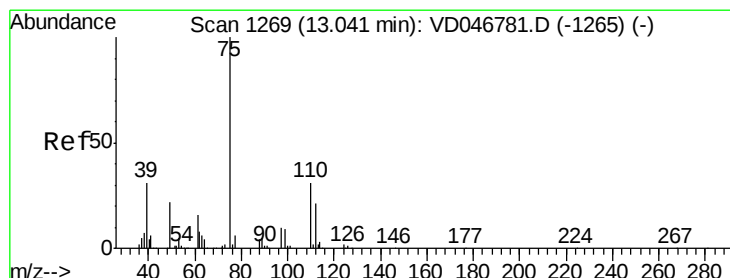
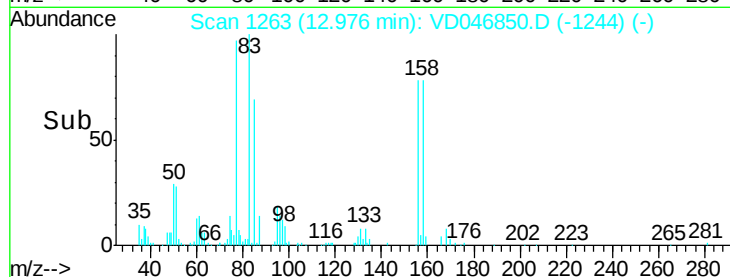
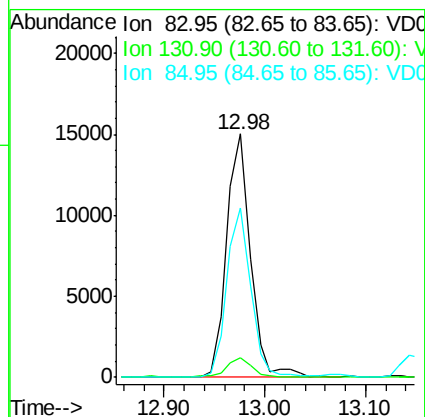
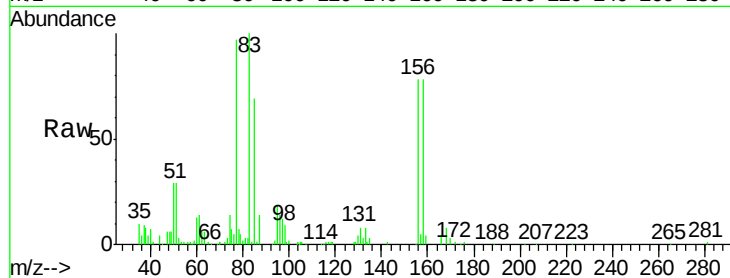
131 8.2 3.9 11.7

85 69.4 30.5 91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.47 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VD046850.D

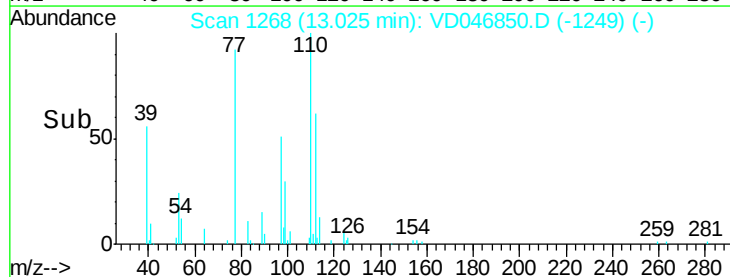
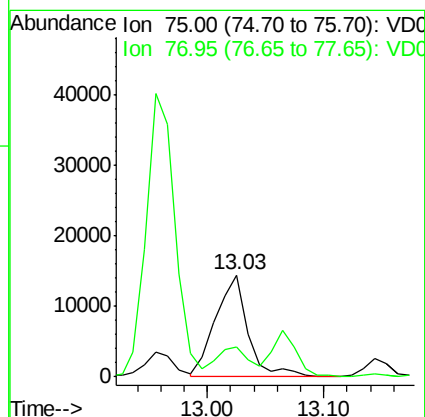
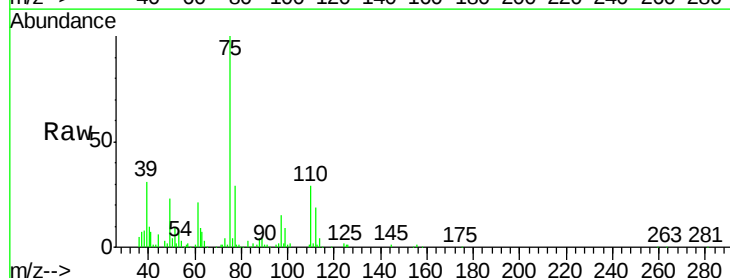
Acq: 23 Sep 2015 12:58

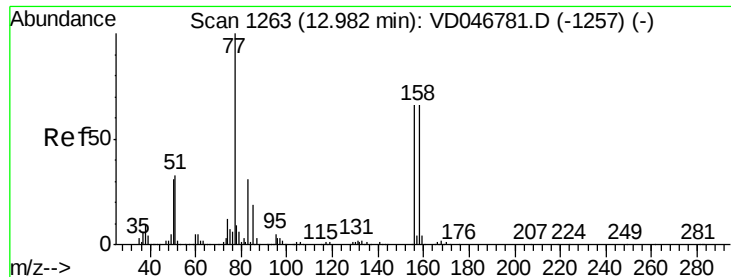
Tgt Ion: 75 Resp: 27931

Ion Ratio Lower Upper

75 100

77 29.2 16.0 48.0





#77

Bromobenzene

Concen: 17.99 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:156 Resp: 39627

Ion Ratio Lower Upper

156 100

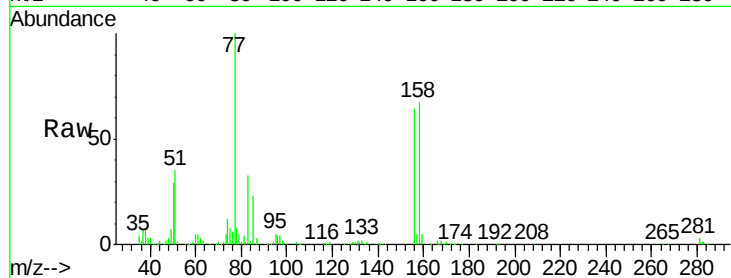
77 157.1 70.3 210.8

158 105.0 49.0 147.0

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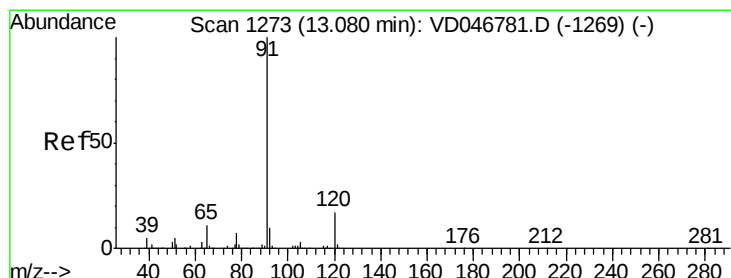
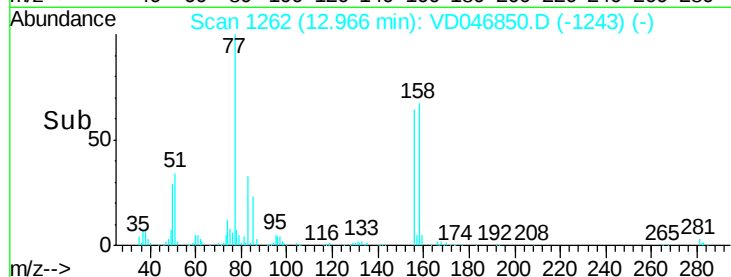
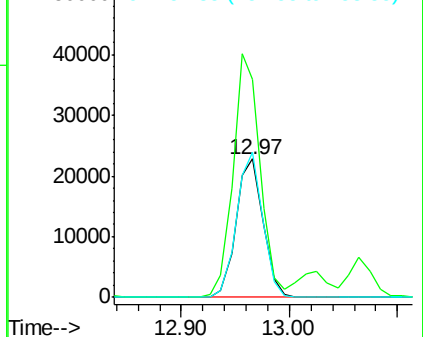
9/24/2015 12:56:48 PM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.25 ug/l

RT: 13.06 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD046850.D

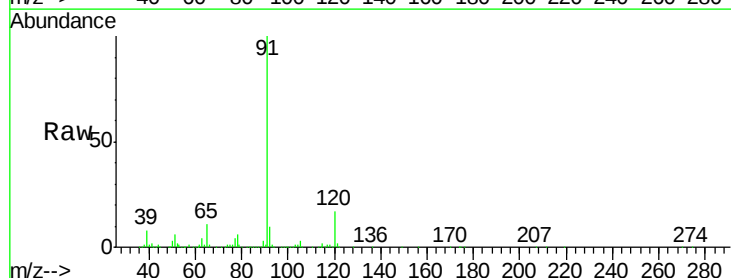
Acq: 23 Sep 2015 12:58

Tgt Ion: 91 Resp: 238099

Ion Ratio Lower Upper

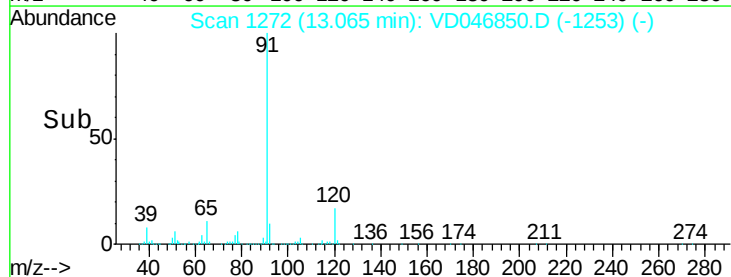
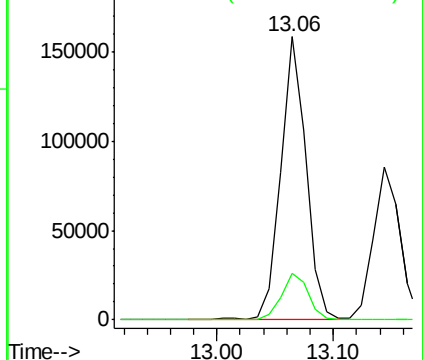
91 100

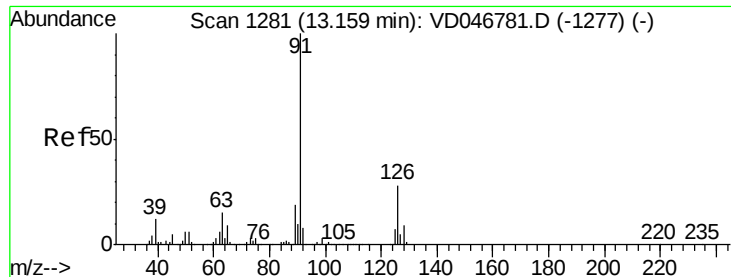
120 16.6 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





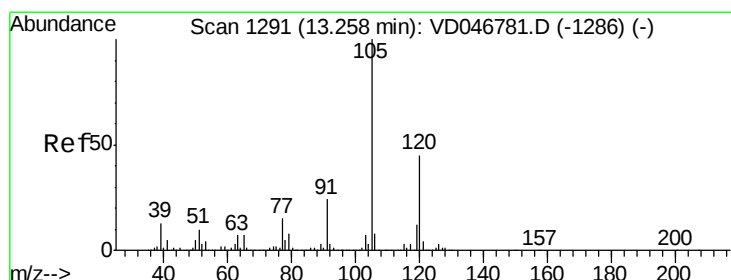
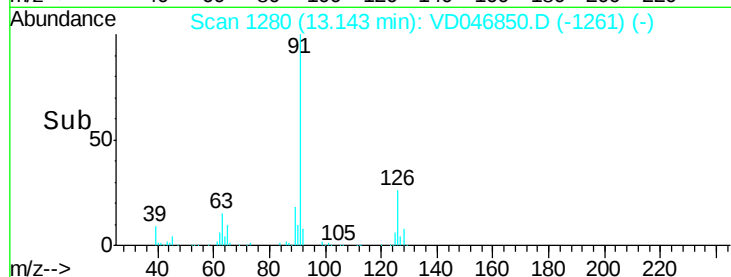
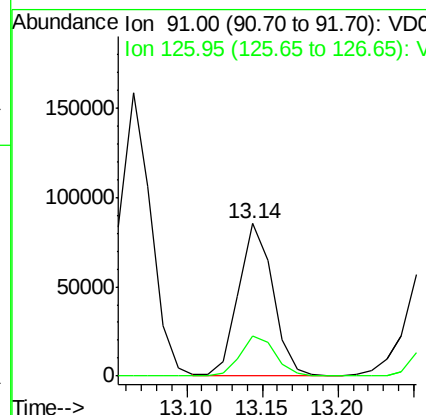
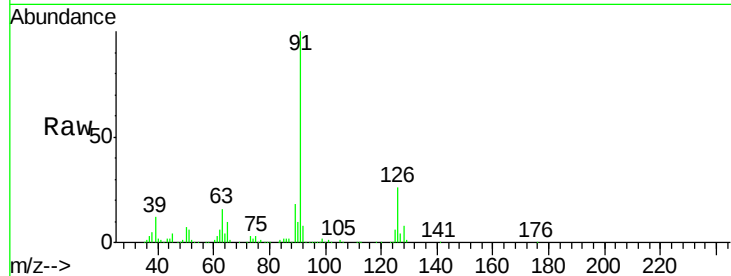
#79
 2-Chlorotoluene
 Concen: 19.63 ug/l
 RT: 13.14 min Scan# 1280
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	26.4	14.1	42.4

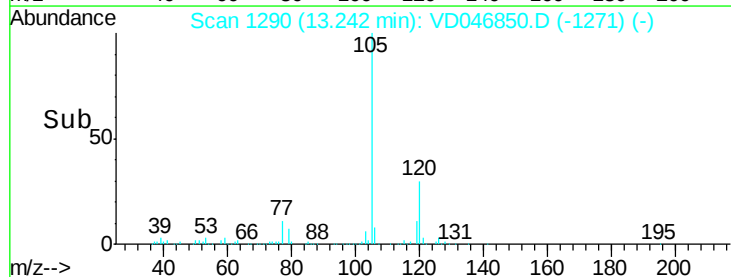
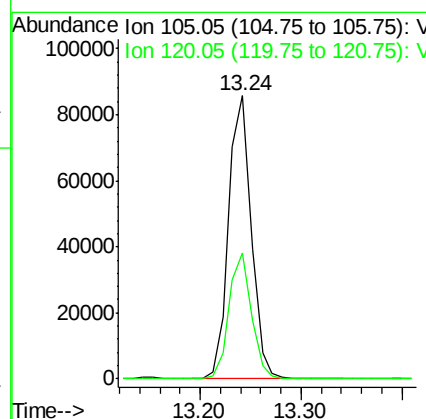
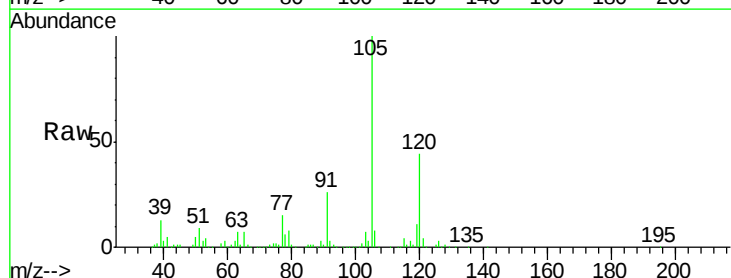
Manual Integrations
 APPROVED

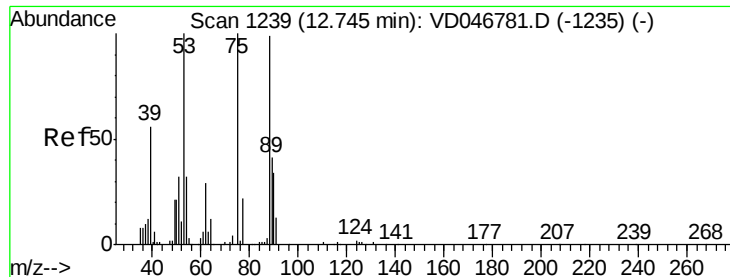
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.16 ug/l
 RT: 13.24 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.73 ug/l

RT: 12.73 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

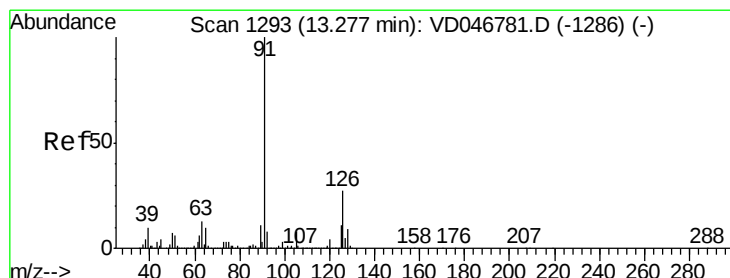
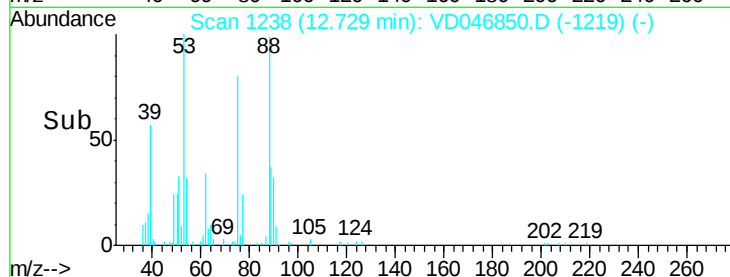
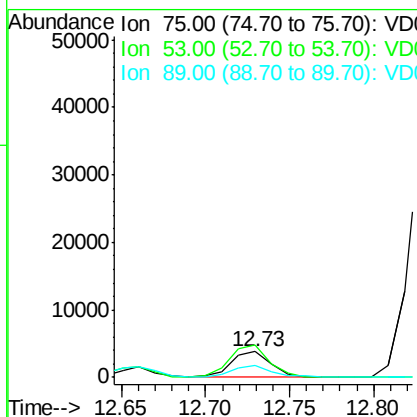
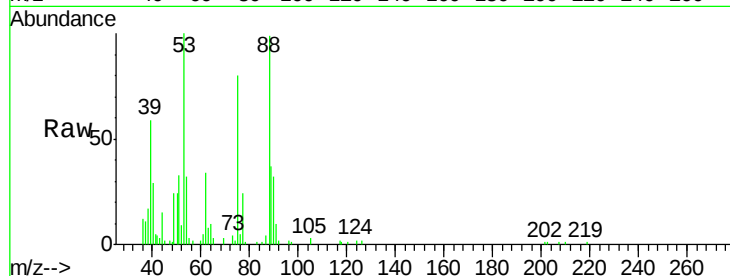
ClientSampleId :

VD0923SBS01

Tot Ion:	75	Resp:	6289
Ion Ratio	Lower	Upper	
75	100		
53	124.7	82.3	123.5#
89	45.5	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.18 ug/l

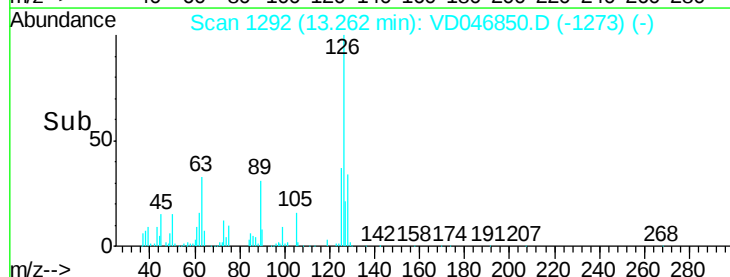
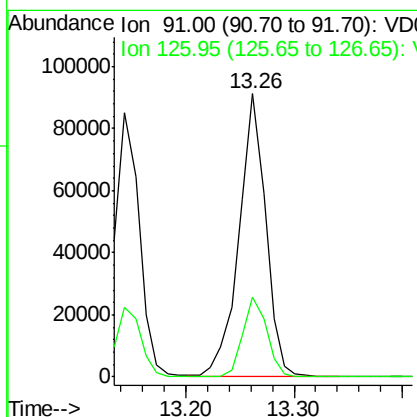
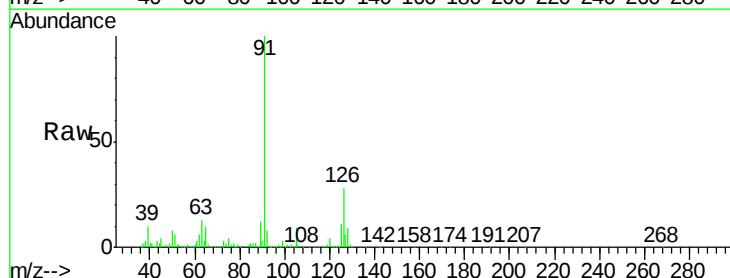
RT: 13.26 min Scan# 1292

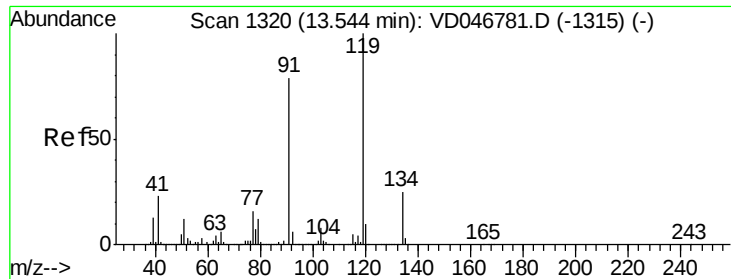
Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Tgt Ion:	91	Resp:	156795
Ion Ratio	Lower	Upper	
91	100		
126	28.2	14.1	42.4





#83

tert-Butylbenzene

Concen: 18.81 ug/l m

RT: 13.53 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VD046850.D

Acq: 23 Sep 2015 12:58

Instrument :

MSVOA_D

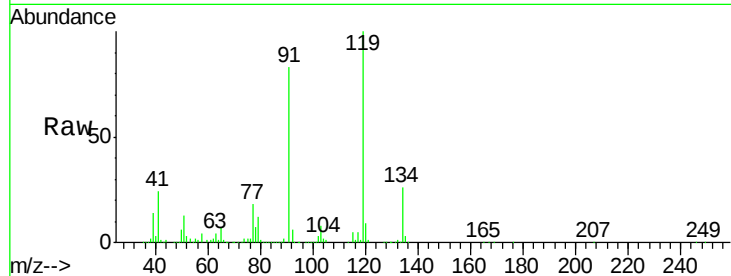
ClientSampleId :

VD0923SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.0	41.6	124.9
134	26.0	12.4	37.4

Manual Integrations
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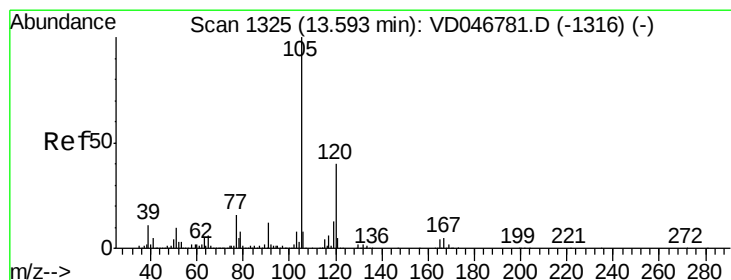
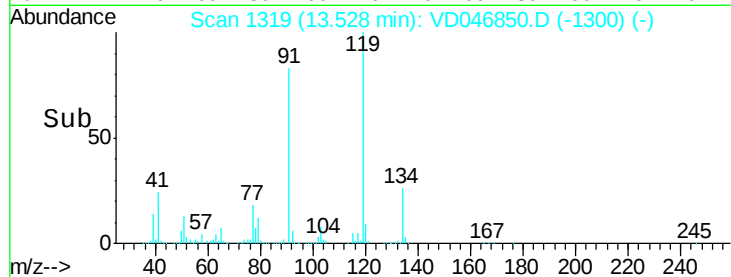
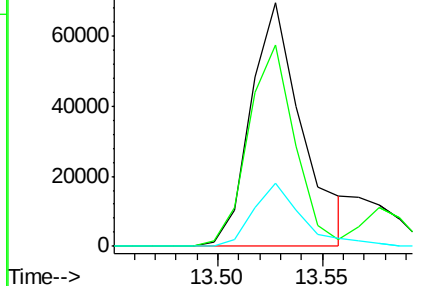
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.68 ug/l

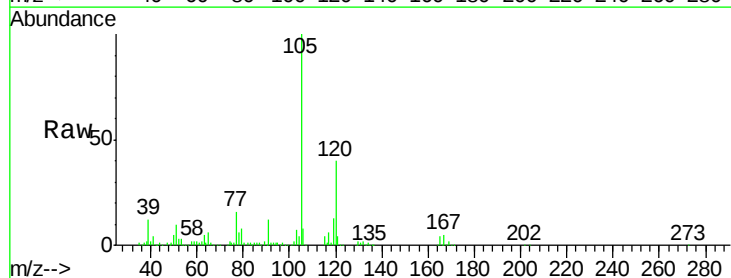
RT: 13.58 min Scan# 1324

Delta R.T. -0.02 min

Lab File: VD046850.D

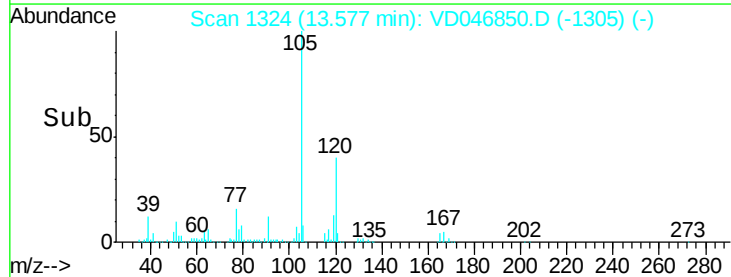
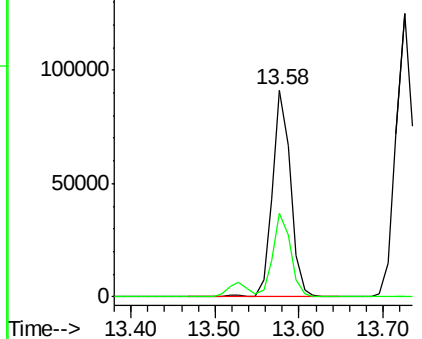
Acq: 23 Sep 2015 12:58

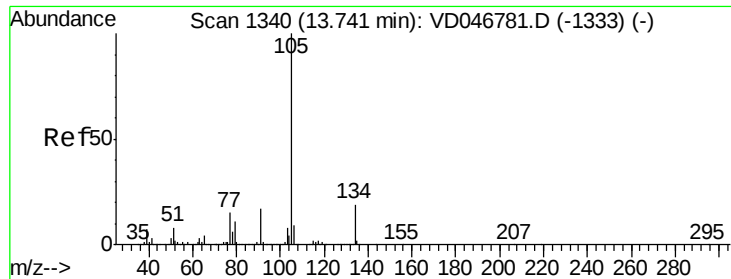
Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.3	21.1	63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





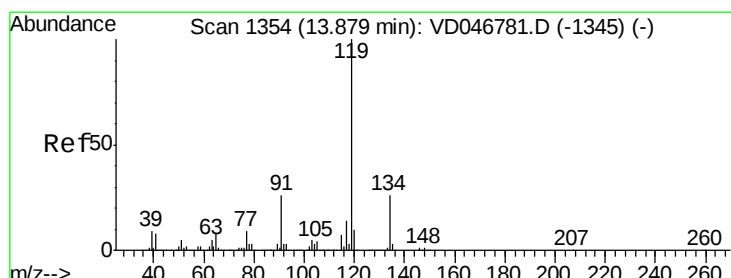
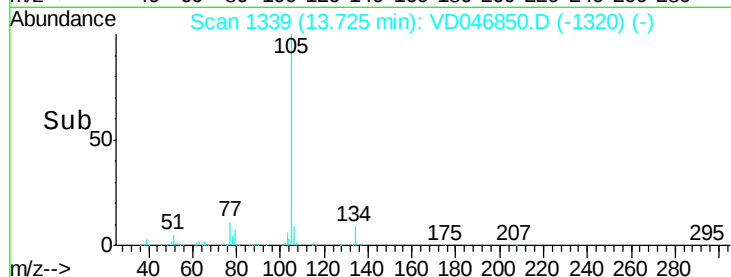
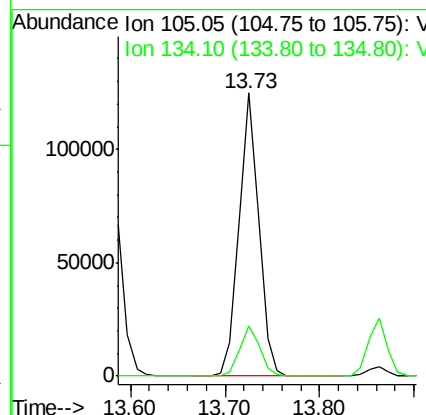
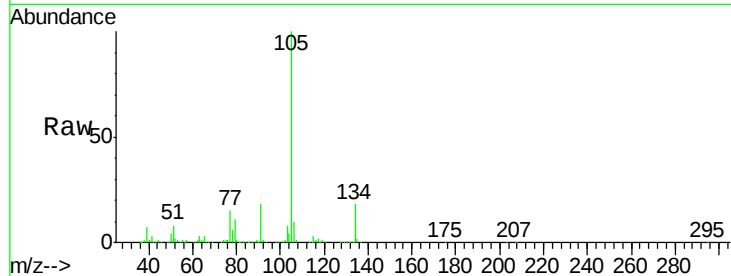
#85
 sec-Butylbenzene
 Concen: 19.70 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	182271		
134	17.7	10.1	30.3	

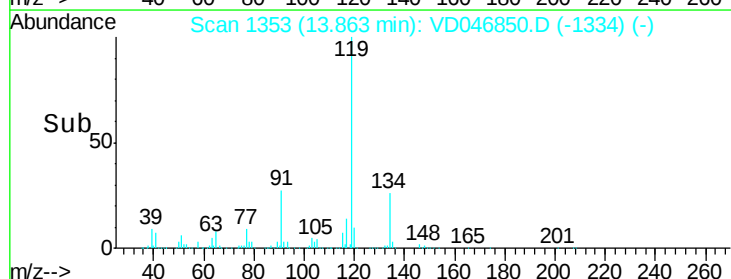
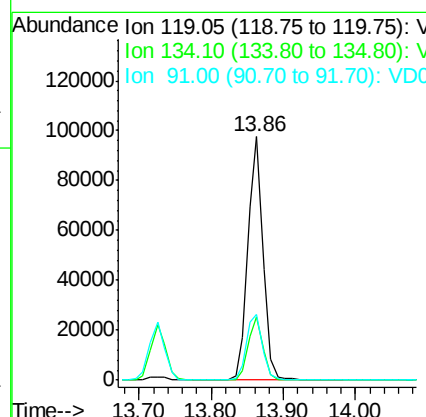
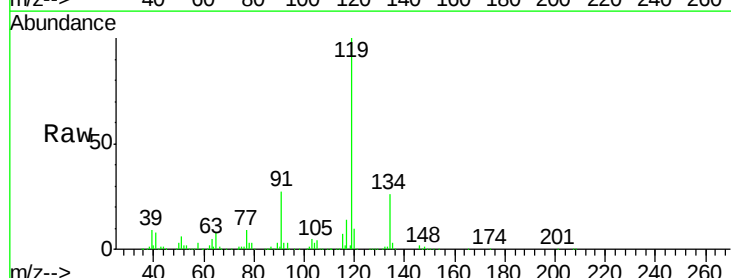
Manual Integrations
 APPROVED

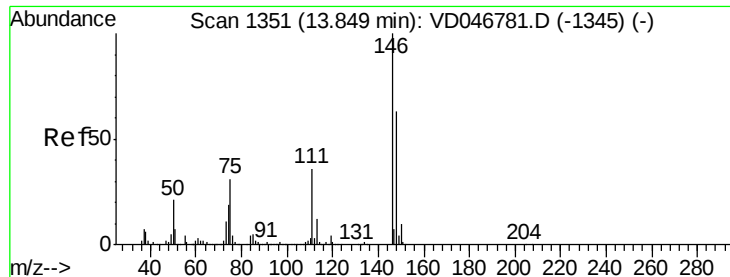
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#86
 p-Isopropyltoluene
 Concen: 19.68 ug/l
 RT: 13.86 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	143075		
134	26.1	13.0	38.9	
91	27.1	13.8	41.3	





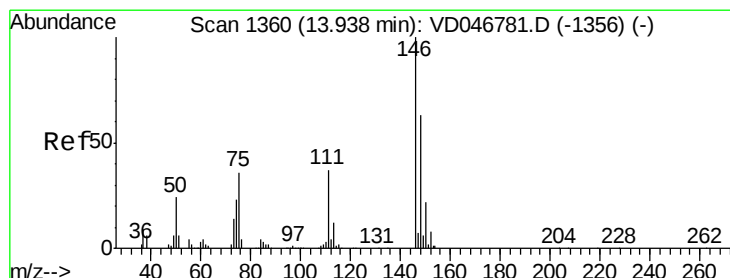
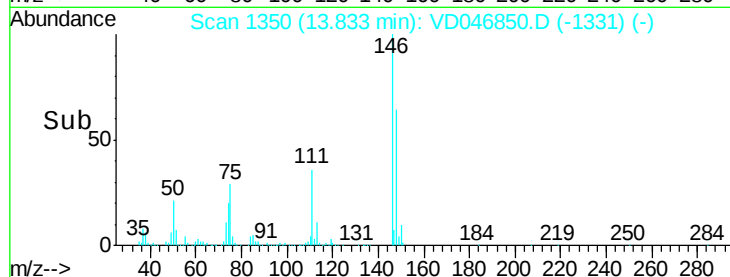
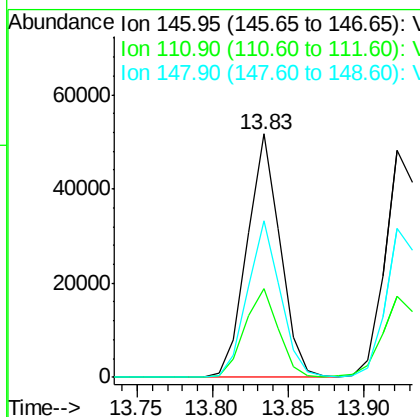
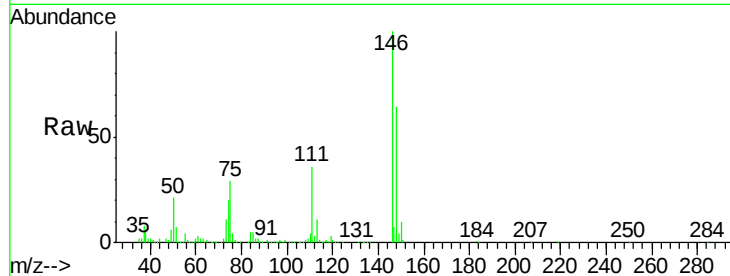
#87
 1,3-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 13.83 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.4	52.2
148	64.1	33.0	99.0

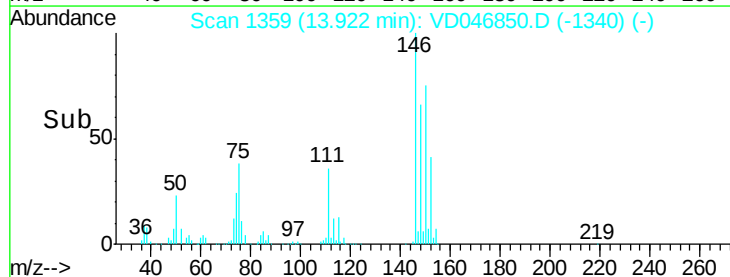
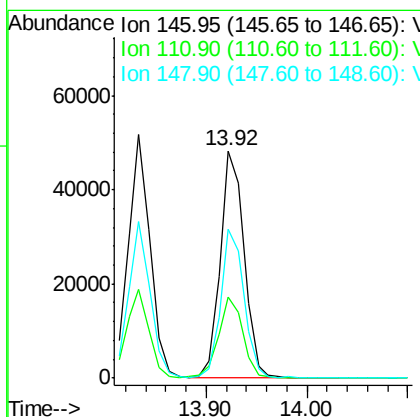
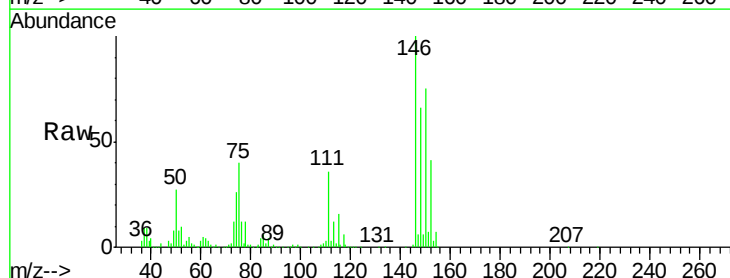
Manual Integrations
 APPROVED

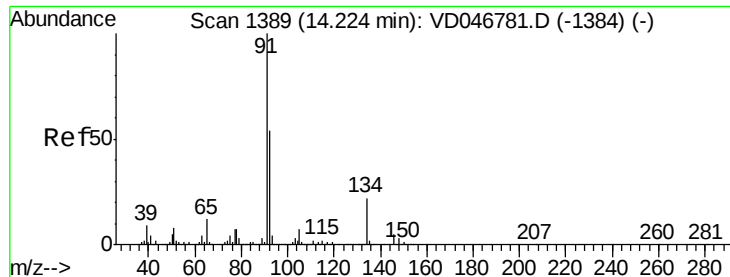
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#88
 1,4-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 13.92 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.0	51.0
148	65.8	31.9	95.7





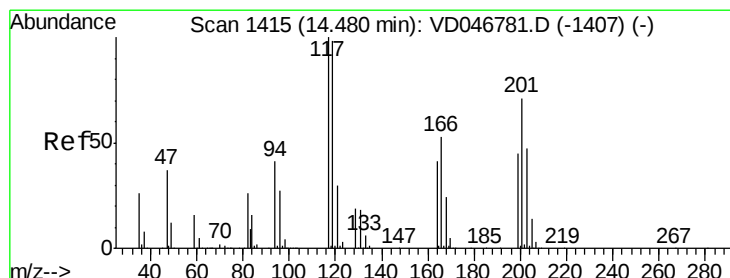
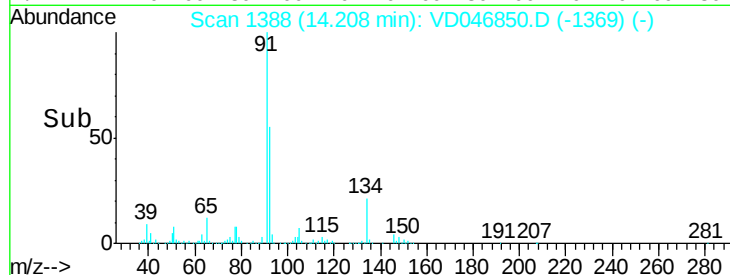
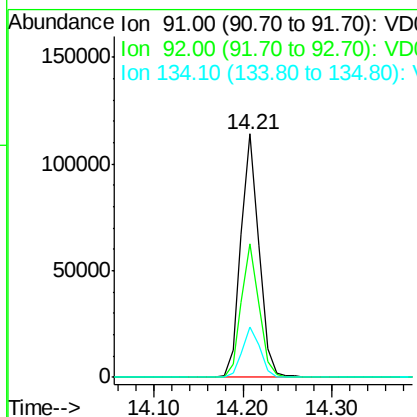
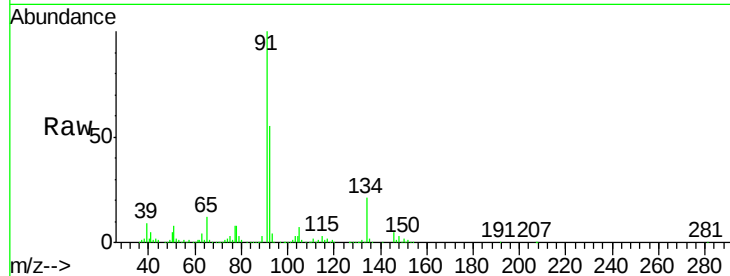
#89
n-Butylbenzene
Concen: 19.81 ug/l
RT: 14.21 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.1	81.2
134	20.7	9.6	28.6

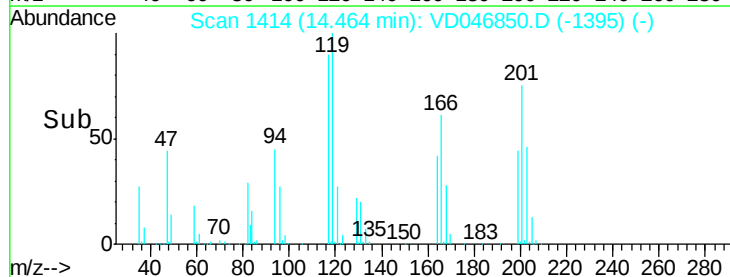
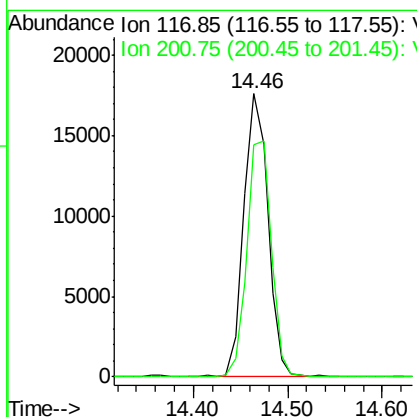
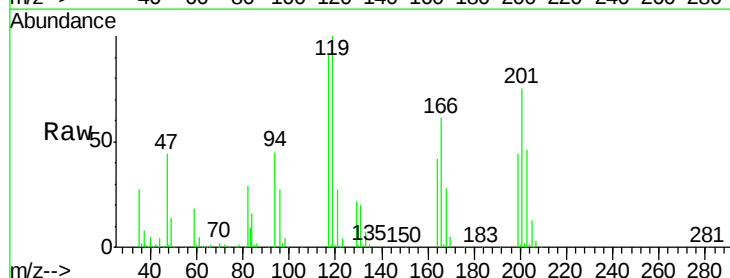
Manual Integrations
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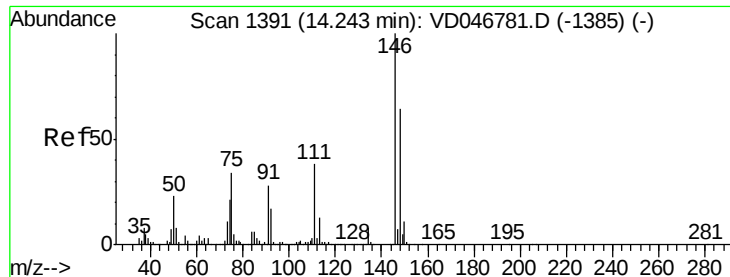
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#90
Hexachloroethane
Concen: 18.56 ug/l
RT: 14.46 min Scan# 1414
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.0	123.0





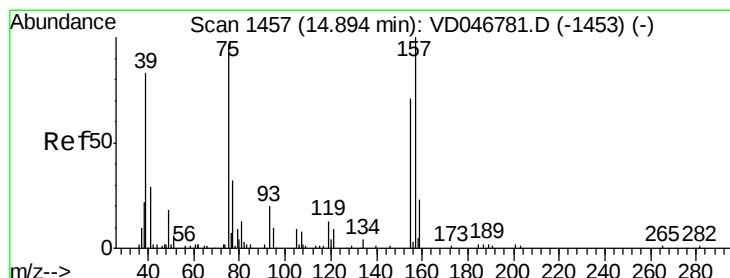
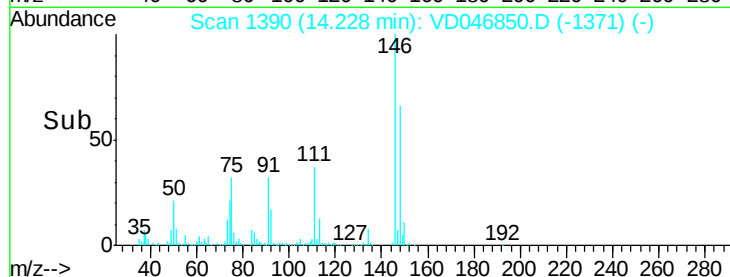
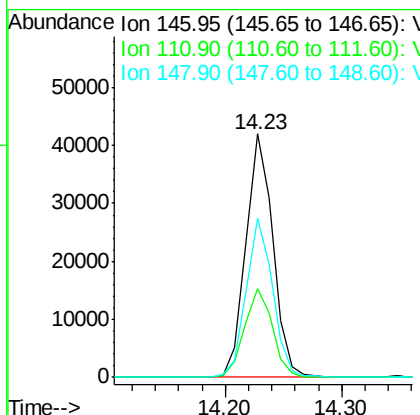
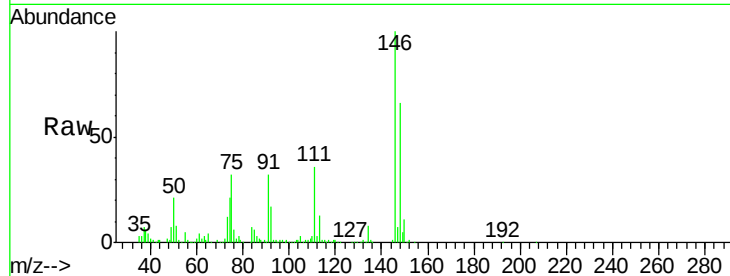
#91
 1,2-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.2	54.6
148	65.5	31.1	93.3

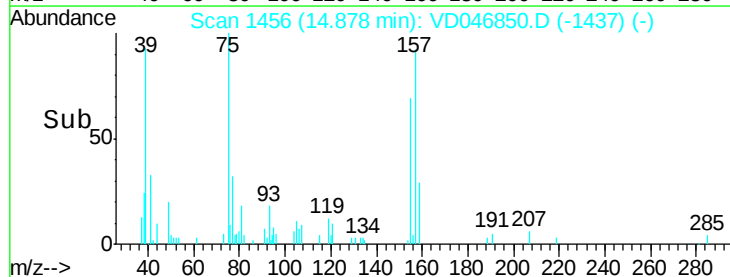
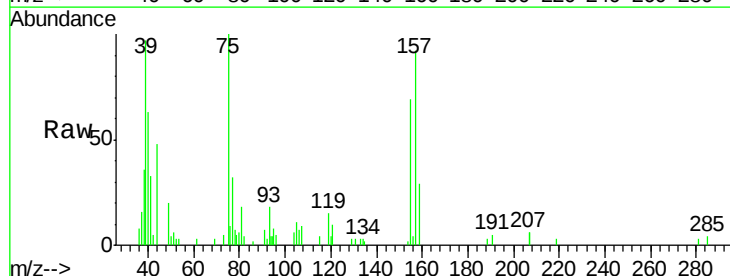
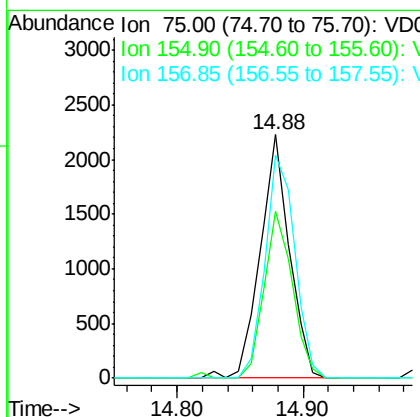
Manual Integrations
 APPROVED

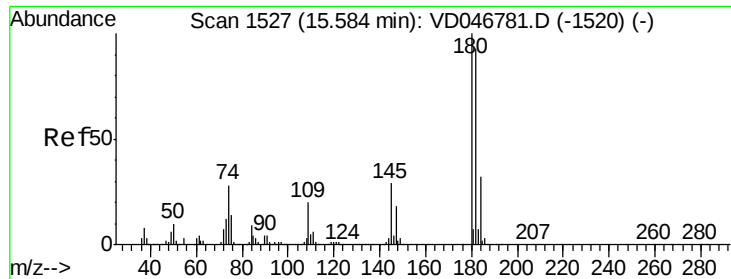
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.87 ug/l
 RT: 14.88 min Scan# 1456
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	41.4	124.4
157	91.7	65.0	195.1





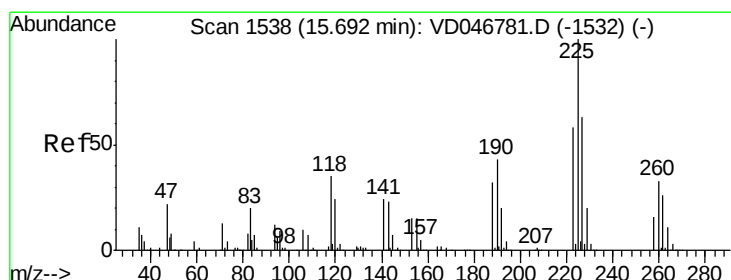
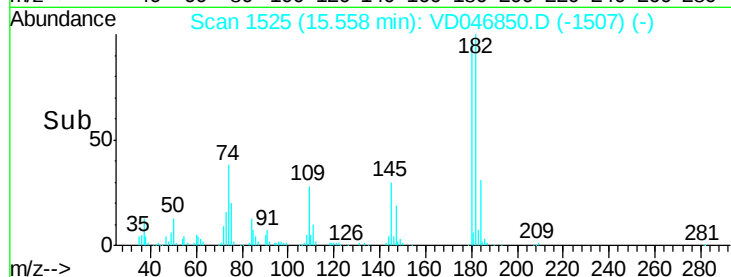
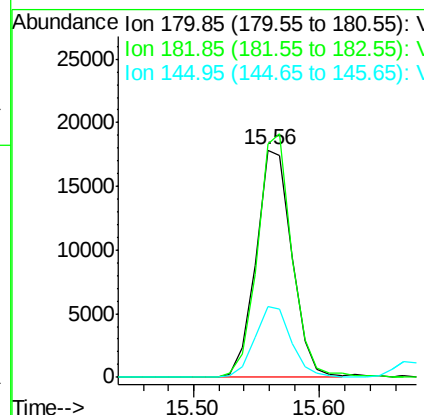
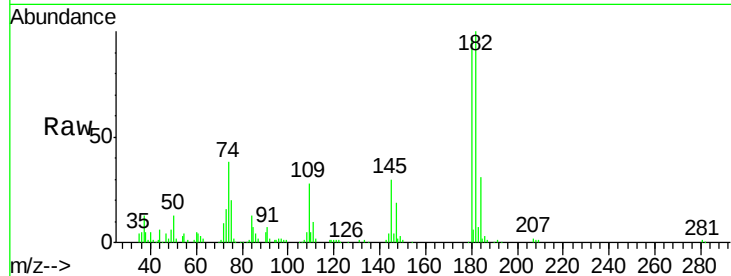
#93
 1,2,4-Trichlorobenzene
 Concen: 17.87 ug/l
 RT: 15.56 min Scan# 1525
 Delta R.T. -0.03 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	35515		
182	102.9	47.5	142.5	
145	30.9	14.6	44.0	

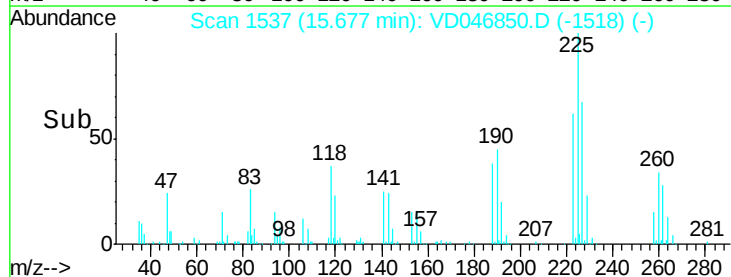
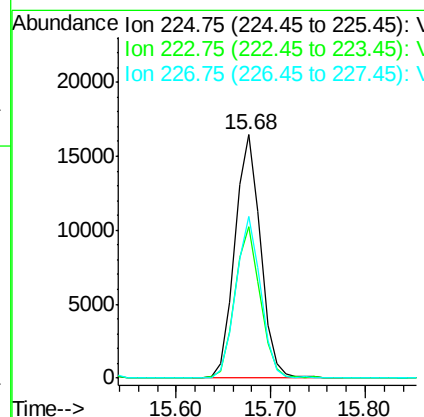
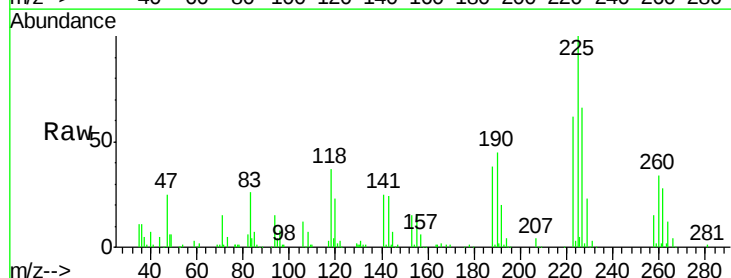
Manual Integrations
 APPROVED

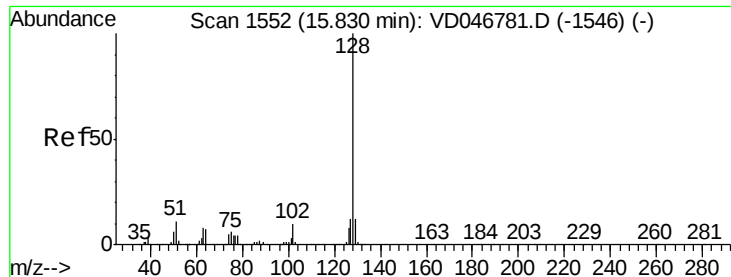
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#94
 Hexachlorobutadiene
 Concen: 18.90 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046850.D
 Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30939		
223	62.3	30.4	91.2	
227	66.3	31.3	93.9	





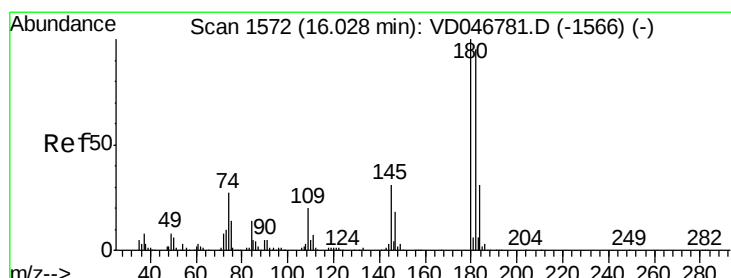
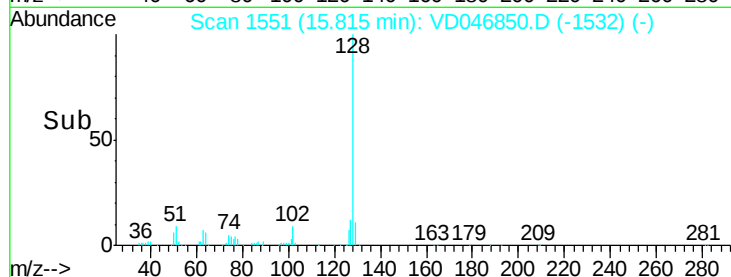
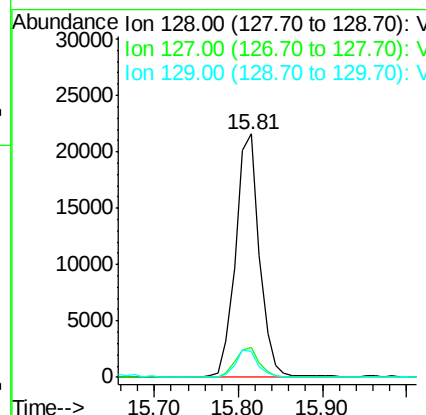
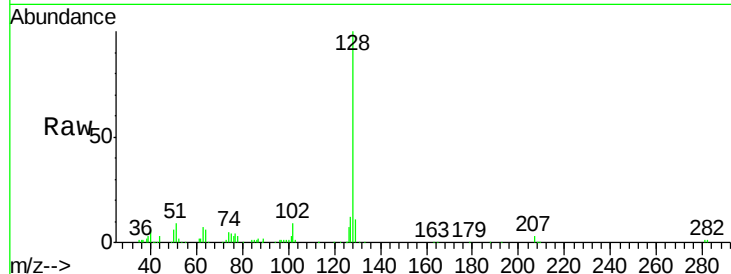
#95
Naphthalene
Concen: 17.89 ug/l
RT: 15.81 min Scan# 1551
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	42851		
127	12.1		9.8	14.6
129	10.9		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.86 ug/l
RT: 16.01 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VD046850.D
Acq: 23 Sep 2015 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	31327		
182	89.2		47.4	142.3
145	31.3		15.4	46.4

