

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

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:03 AM

Quant Time: Sep 18 16:24:19 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.43	85	98927	48.23	ug/l	99
3) Chlorodifluoromethane	1.44	51	94176	55.99	ug/l	100
4) Chloromethane	1.58	50	69893	52.76	ug/l	98
5) Vinyl Chloride	1.68	62	59719	48.00	ug/l	99
6) Bromomethane	1.98	94	60023	56.23	ug/l	95
7) Chloroethane	2.09	64	35664	45.79	ug/l	93
8) Trichlorofluoromethane	2.33	101	154472	41.97	ug/l	99
9) Diethyl Ether	2.64	74	33870	51.92	ug/l	82
10) 1,1,2-Trichlorotrifluoroet	2.89	101	105055	45.62	ug/l	97
11) Methyl Iodide	3.05	142	114415	42.80	ug/l	99
12) Tert butyl alcohol	3.69	59	19091	272.63	ug/l	98
13) 1,1-Dichloroethene	2.88	96	89781	49.87	ug/l	91
14) Acrolein	2.79	56	34273	287.13	ug/l	# 80
15) Allyl chloride	3.34	41	194386	53.18	ug/l	95
16) Acrylonitrile	3.84	53	74861	274.41	ug/l	93
17) Acetone	2.94	43	91134	230.85	ug/l	99
18) Carbon Disulfide	3.13	76	320718	47.55	ug/l	98
19) Methyl Acetate	3.34	43	118308	51.73	ug/l	97
20) Methyl tert-butyl Ether	3.91	73	146691	52.01	ug/l	94
21) Methylene Chloride	3.51	84	101972	47.57	ug/l	96
22) trans-1,2-Dichloroethene	3.90	96	103775	51.11	ug/l	93
23) Diisopropyl ether	4.66	45	337539	55.63	ug/l	96
24) Vinyl Acetate	4.61	43	357128m	251.00	ug/l	
25) 1,1-Dichloroethane	4.56	63	186587	49.92	ug/l	99
26) 2-Butanone	5.46	43	117551	264.94	ug/l	96
27) 2,2-Dichloropropane	5.43	77	170910	44.50	ug/l	98
28) cis-1,2-Dichloroethene	5.44	96	112142	53.05	ug/l	88
29) Bromochloromethane	5.79	49	78780	53.48	ug/l	100
30) Chloroform	5.98	83	214052	47.21	ug/l	100
31) Cyclohexane	6.28	56	171176	48.81	ug/l	95
32) 1,1,1-Trichloroethane	6.19	97	184900	45.80	ug/l	98
36) 1,1-Dichloropropene	6.43	75	163733	48.62	ug/l	97
37) Ethyl Acetate	5.55	43	55420	51.23	ug/l	98
38) Carbon Tetrachloride	6.41	117	156587	44.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	179390	52.57	ug/l	95
40) Benzene	6.73	78	418503	48.68	ug/l	98
41) Methacrylonitrile	5.76	41	35097	57.84	ug/l #	89
42) 1,2-Dichloroethane	6.84	62	126611	47.41	ug/l	97
43) Isopropyl Acetate	8.41	43	81346	57.04	ug/l #	99
44) Trichloroethene	7.75	130	106697	49.57	ug/l	98
45) 1,2-Dichloropropane	8.15	63	108228	50.81	ug/l	96
46) Dibromomethane	8.28	93	59148	48.91	ug/l	91
47) Bromodichloromethane	8.56	83	151490	47.72	ug/l	100
48) Methyl methacrylate	8.09	41	110325	50.60	ug/l	97
49) 1,4-Dioxane	8.31	88	9056	1122.85	ug/l #	83
51) 4-Methyl-2-Pentanone	9.49	43	293395	284.73	ug/l	94
52) Toluene	9.73	92	271665	51.23	ug/l	97
53) t-1,3-Dichloropropene	10.13	75	122185	52.13	ug/l	96
54) cis-1,3-Dichloropropene	9.23	75	157374	52.14	ug/l	97
55) 1,1,2-Trichloroethane	10.41	97	66277	48.27	ug/l	96
56) Ethyl methacrylate	10.25	69	69858	49.12	ug/l	98
57) 1,3-Dichloropropane	10.61	76	125574	49.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.04	63	180155	265.68	ug/l	99
59) 2-Hexanone	10.71	43	204548	274.76	ug/l	94
60) Dibromochloromethane	10.89	129	90740	48.15	ug/l	99
61) 1,2-Dibromoethane	11.03	107	66297	48.90	ug/l	99
64) Tetrachloroethene	10.47	164	106105	51.21	ug/l	93
65) Chlorobenzene	11.61	112	273861	50.72	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	96307	48.56	ug/l	97
67) Ethyl Benzene	11.74	91	561752	51.78	ug/l	99
68) m/p-Xylenes	11.88	106	355052	103.75	ug/l	99
69) o-Xylene	12.30	106	164675	53.46	ug/l	96
70) Styrene	12.32	104	272382	51.00	ug/l	97
71) Bromoform	12.51	173	53182	50.35	ug/l	99
73) Isopropylbenzene	12.67	105	478390	55.68	ug/l	98
74) N-amyl acetate	12.51	43	116085	53.38	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.99	83	70342	50.74	ug/l	95
76) 1,2,3-Trichloropropane	13.04	75	81143	54.71	ug/l	96
77) Bromobenzene	12.98	156	115605	53.51	ug/l	91
78) n-propylbenzene	13.08	91	646140	53.26	ug/l	97
79) 2-Chlorotoluene	13.17	91	358013	53.15	ug/l	99
80) 1,3,5-Trimethylbenzene	13.25	105	365800	53.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.74	75	20284	49.71	ug/l	95
82) 4-Chlorotoluene	13.27	91	414384	51.69	ug/l	94
83) tert-Butylbenzene	13.54	119	327546m	53.06	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	365659	53.06	ug/l	94
85) sec-Butylbenzene	13.74	105	476478	52.52	ug/l	95
86) p-Isopropyltoluene	13.88	119	369569	51.82	ug/l	98
87) 1,3-Dichlorobenzene	13.85	146	202071	50.13	ug/l	95
88) 1,4-Dichlorobenzene	13.94	146	201921	50.37	ug/l	99
89) n-Butylbenzene	14.22	91	402167	49.95	ug/l	99
90) Hexachloroethane	14.49	117	78773	47.65	ug/l	90
91) 1,2-Dichlorobenzene	14.24	146	168663	49.81	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.89	75	8596	48.24	ug/l	76

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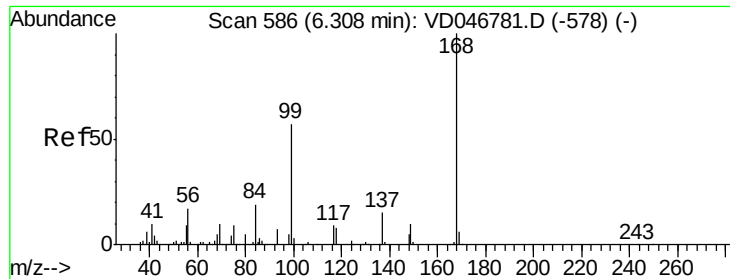
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	98809	50.68	ug/l	98
94) Hexachlorobutadiene	15.69	225	74057	46.14	ug/l	96
95) Naphthalene	15.83	128	127224	49.33	ug/l	98
96) 1,2,3-Trichlorobenzene	16.02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

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion:168 Resp: 224720

Ion Ratio Lower Upper

168 100

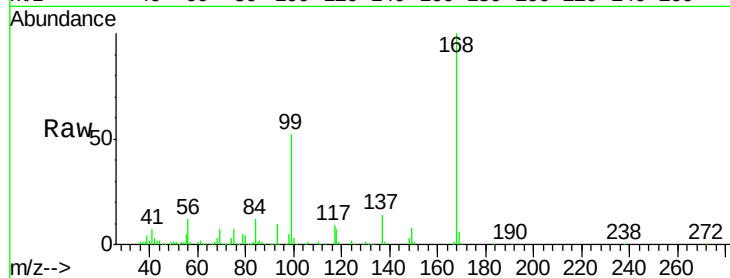
99 52.0 42.4 63.6

Manual Integrations

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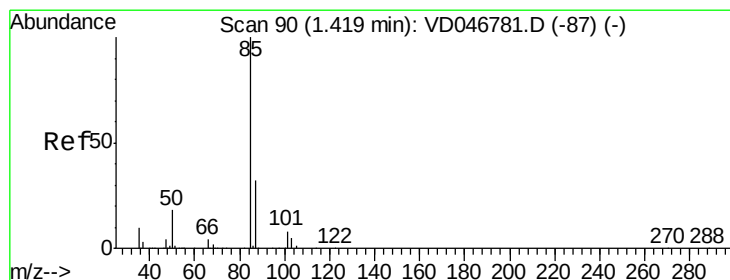
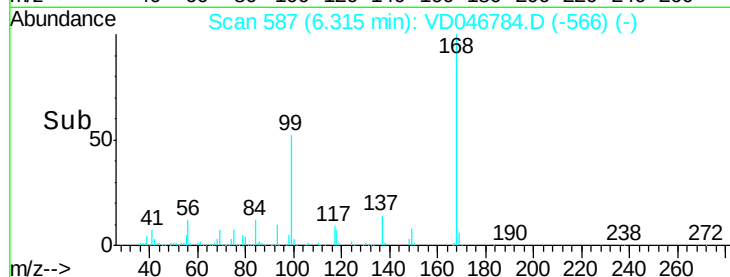
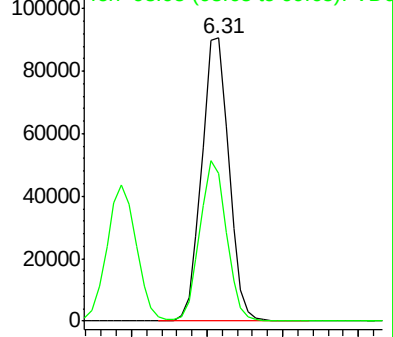
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.23 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VD046784.D

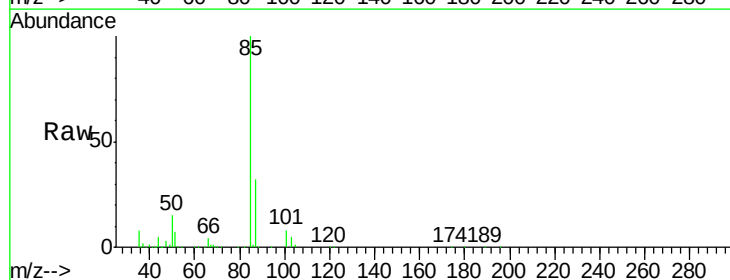
Acq: 18 Sep 2015 15:33

Tgt Ion: 85 Resp: 98927

Ion Ratio Lower Upper

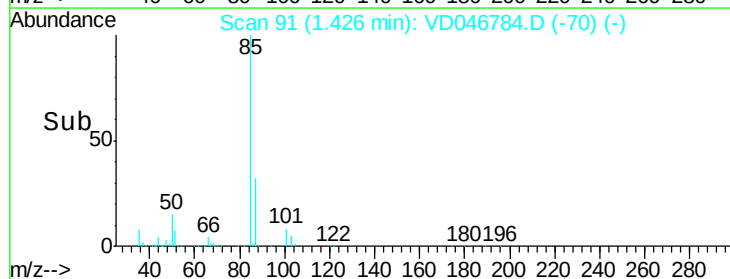
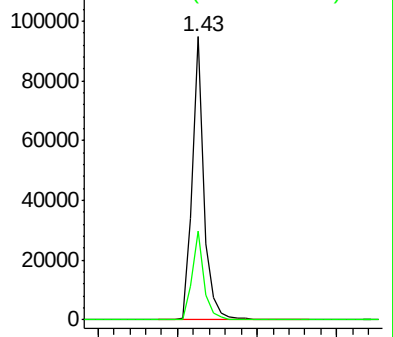
85 100

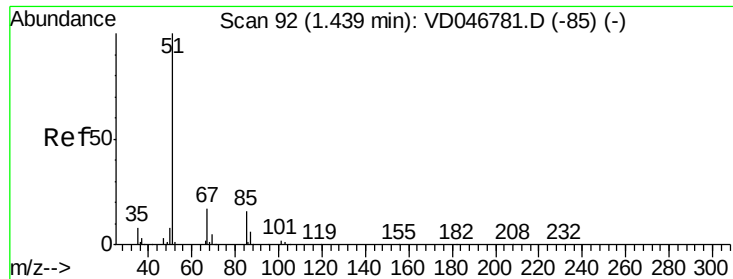
87 31.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 55.99 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 51 Resp: 94176

Ion Ratio Lower Upper

51 100

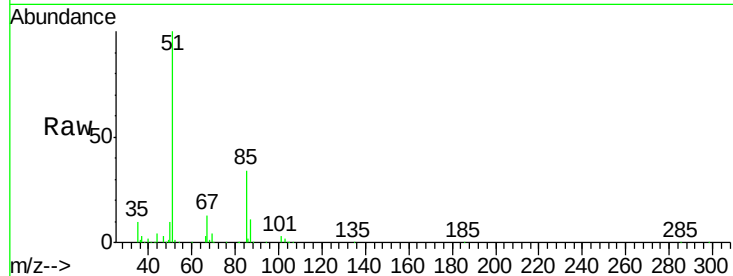
67 13.8 10.9 16.3

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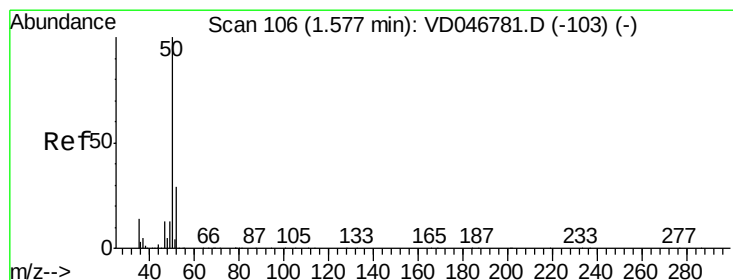
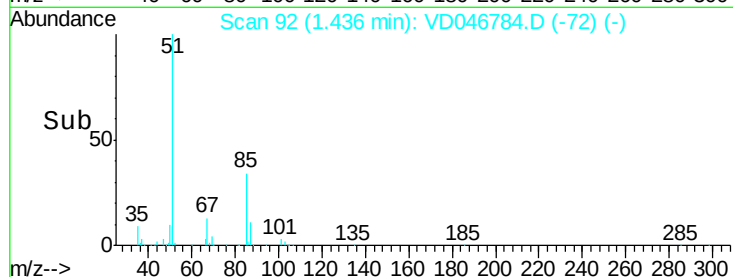
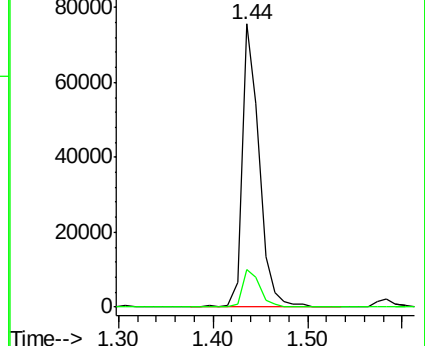
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 52.76 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.01 min

Lab File: VD046784.D

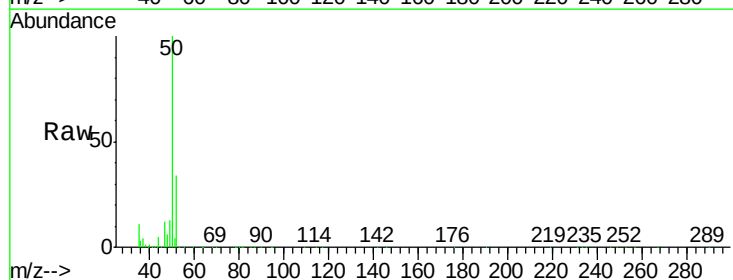
Acq: 18 Sep 2015 15:33

Tgt Ion: 50 Resp: 69893

Ion Ratio Lower Upper

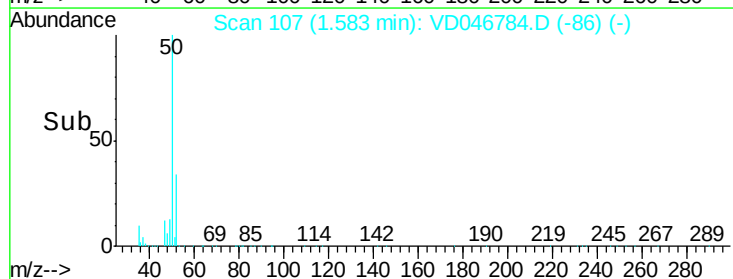
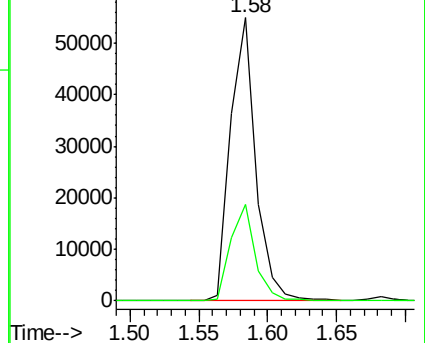
50 100

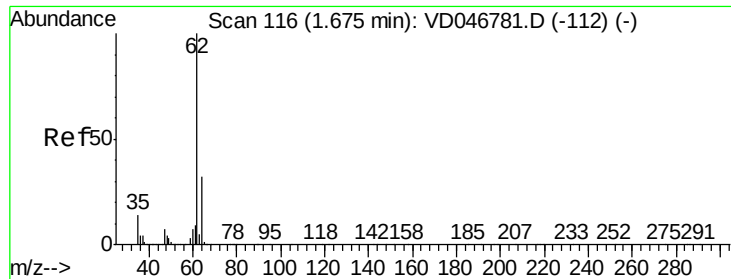
52 33.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 48.00 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 62 Resp: 59719

Ion Ratio Lower Upper

62 100

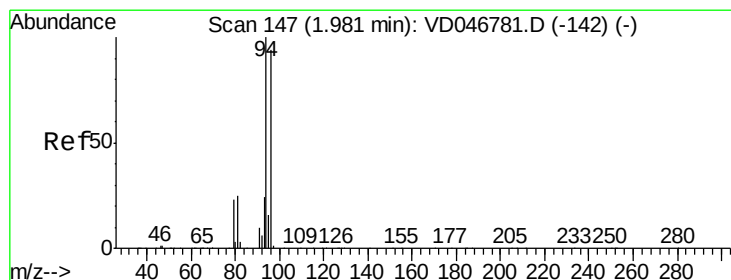
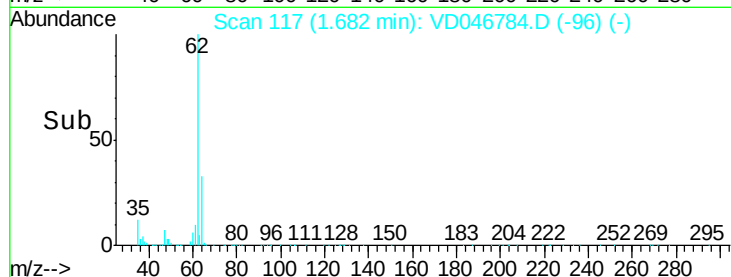
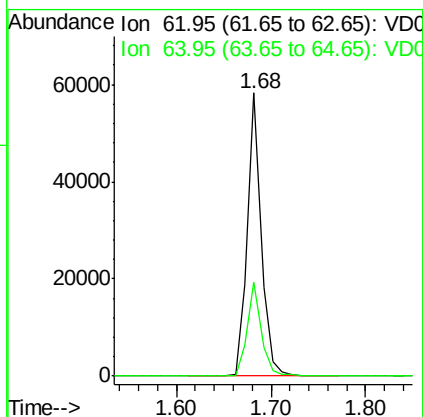
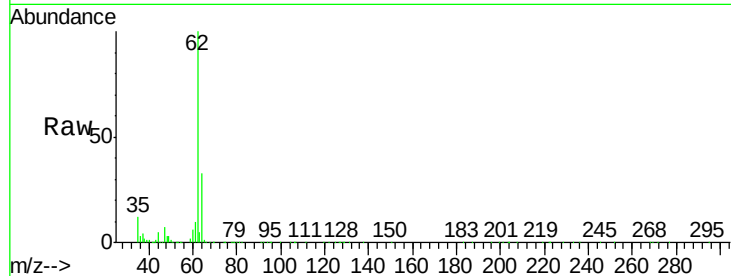
64 33.3 26.4 39.6

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#6

Bromomethane

Concen: 56.23 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046784.D

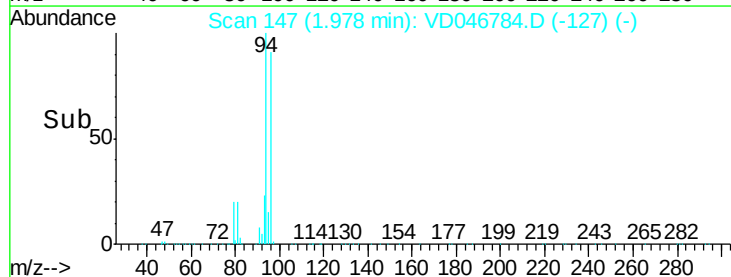
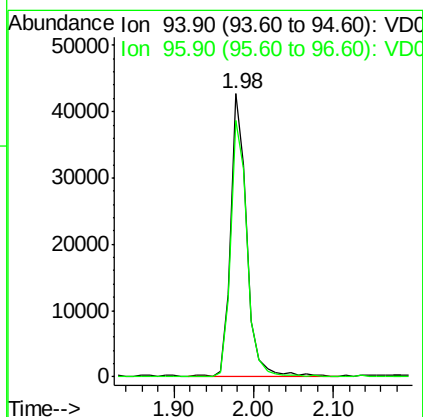
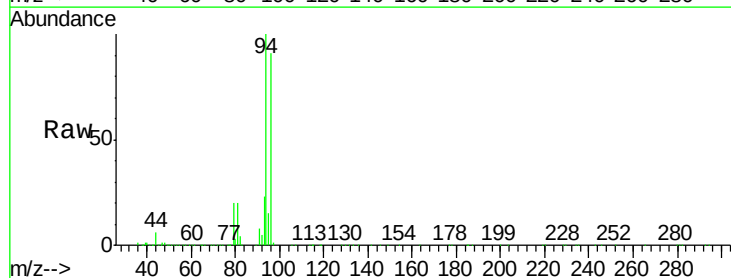
Acq: 18 Sep 2015 15:33

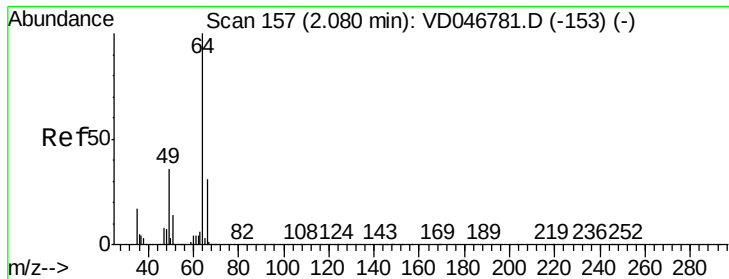
Tgt Ion: 94 Resp: 60023

Ion Ratio Lower Upper

94 100

96 90.6 76.0 114.0





#7

Chloroethane

Concen: 45.79 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

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Tgt Ion: 64 Resp: 35664

Ion Ratio Lower Upper

64 100

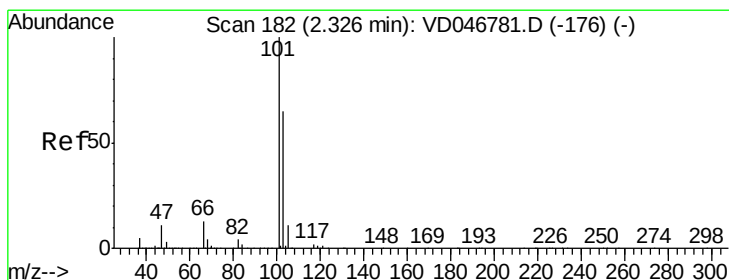
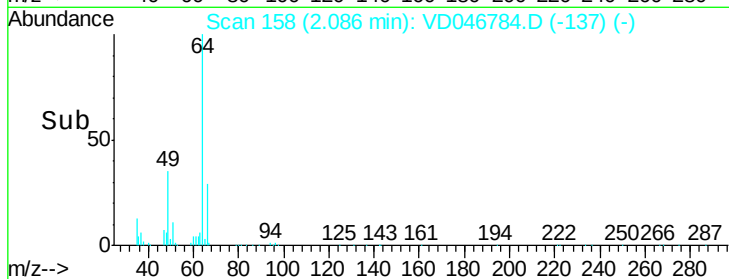
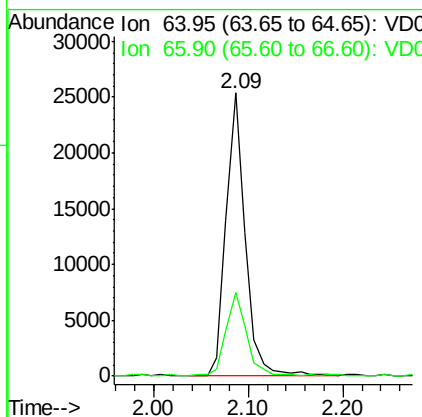
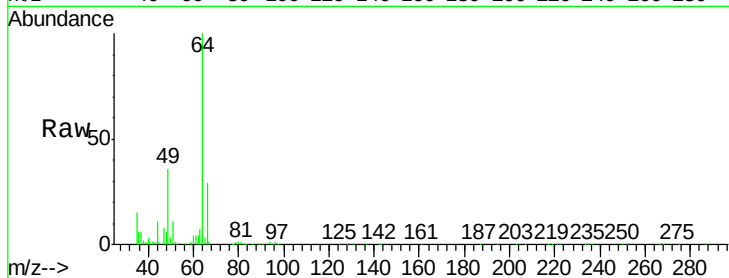
66 29.5 26.6 39.8

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 41.97 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD046784.D

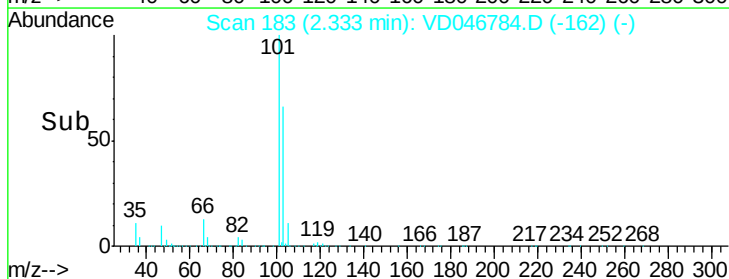
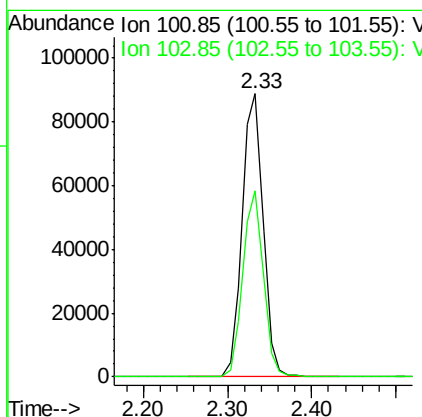
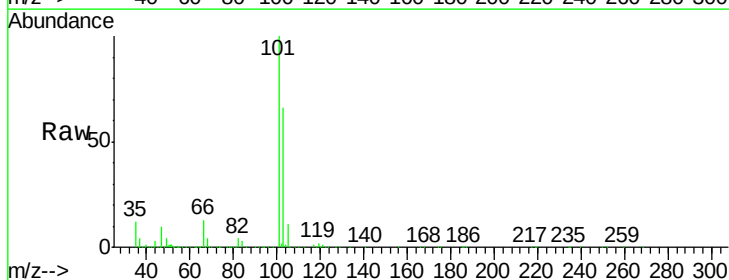
Acq: 18 Sep 2015 15:33

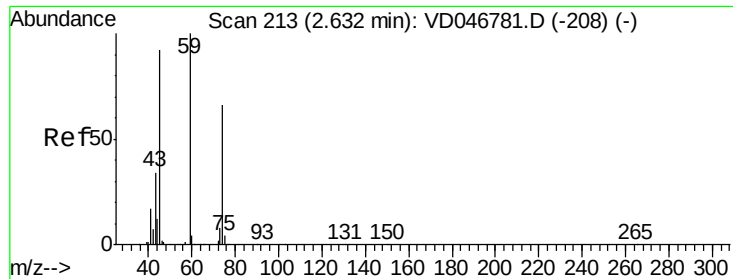
Tgt Ion: 101 Resp: 154472

Ion Ratio Lower Upper

101 100

103 65.7 53.2 79.8





#9

Diethyl Ether

Concen: 51.92 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 74 Resp: 33870

Ion Ratio Lower Upper

74 100

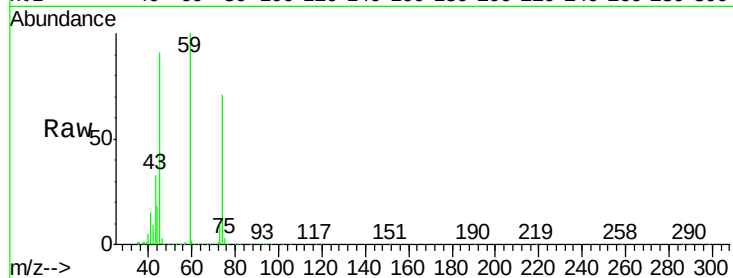
45 129.0 76.2 228.6

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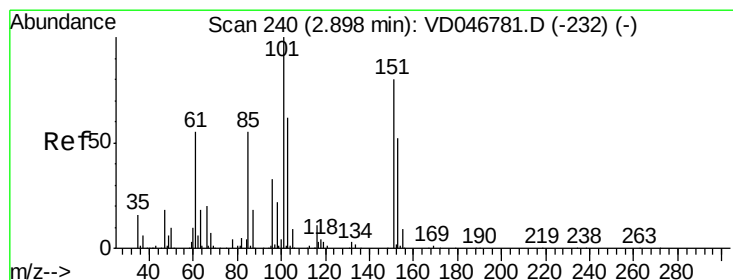
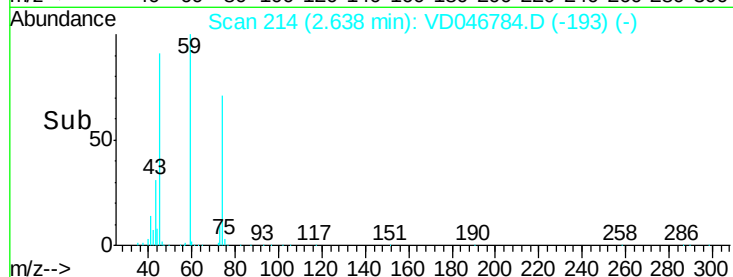


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.64

Time-->



#10

1,1,2-Trichlorotrifluoroethane

Concen: 45.62 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

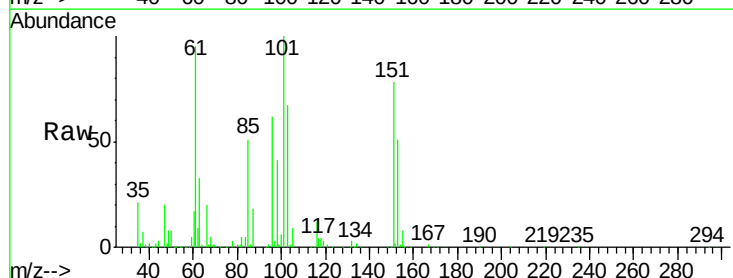
Tgt Ion: 101 Resp: 105055

Ion Ratio Lower Upper

101 100

85 51.1 42.0 63.0

151 78.4 65.2 97.8



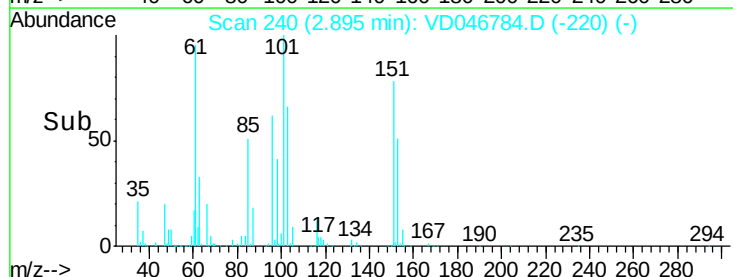
Abundance Ion 100.85 (100.55 to 101.55): V

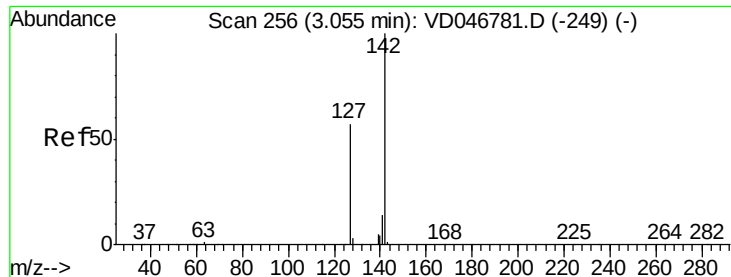
Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

2.89

Time-->





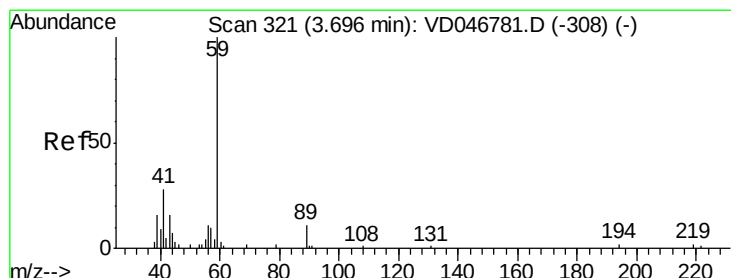
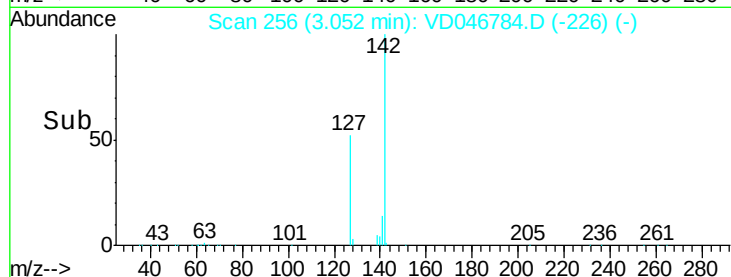
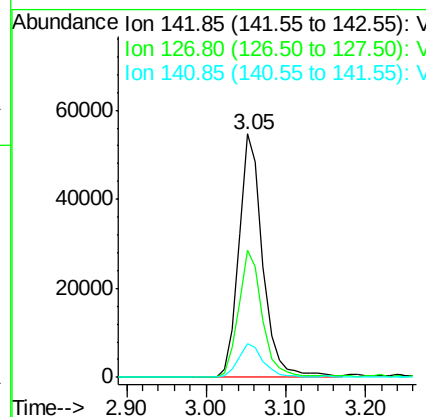
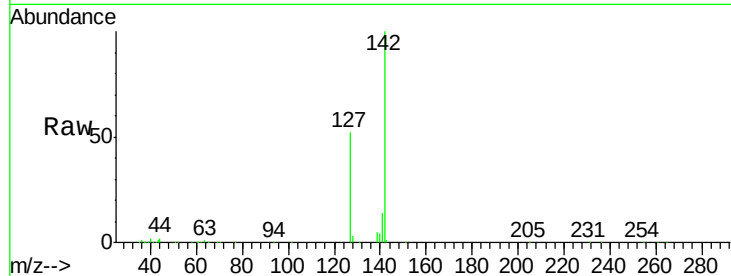
#11
Methyl Iodide
Concen: 42.80 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

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

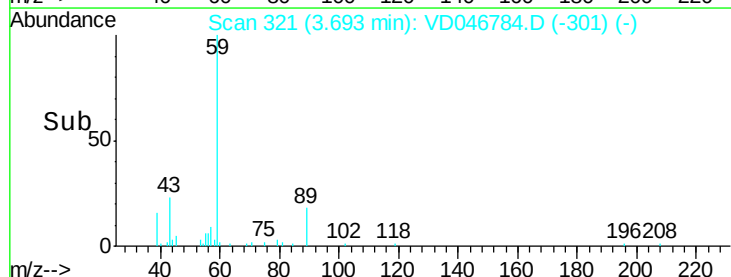
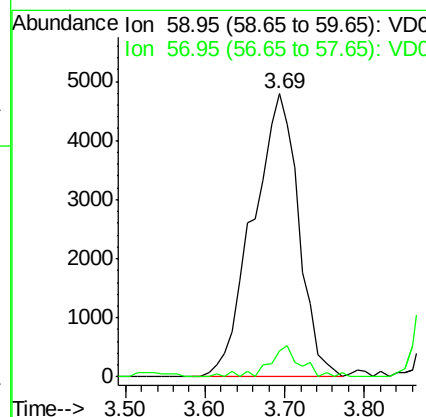
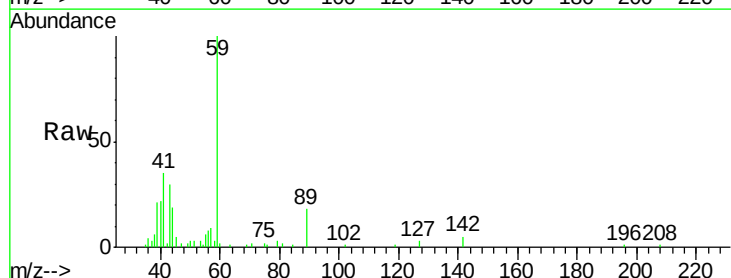
Manual Integrations
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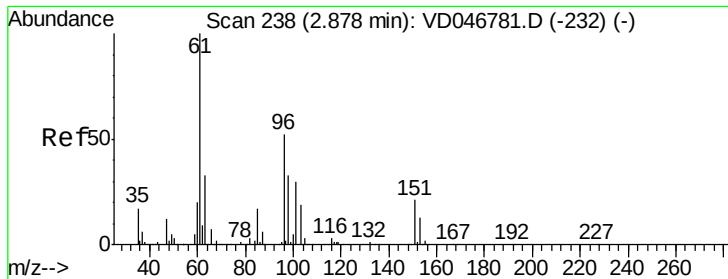
MMDadoda
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#12
Tert butyl alcohol
Concen: 272.63 ug/l
RT: 3.69 min Scan# 321
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

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





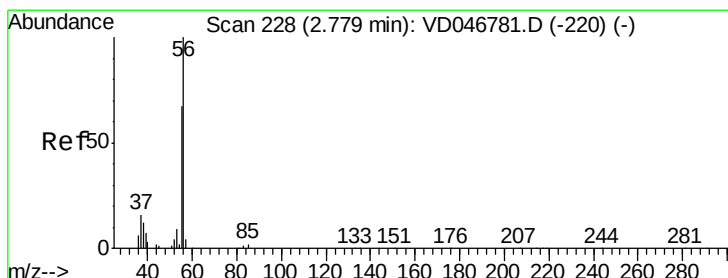
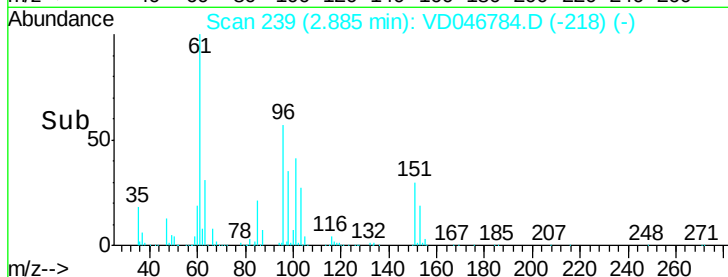
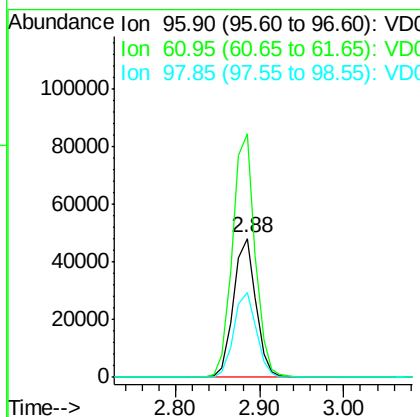
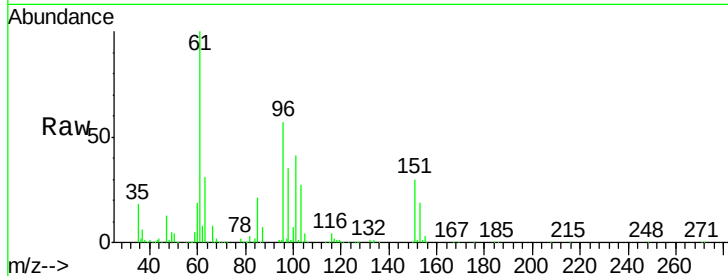
#13
 1,1-Dichloroethene
 Concen: 49.87 ug/l
 RT: 2.88 min Scan# 239
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	152.2	228.4
98	61.0	51.2	76.8

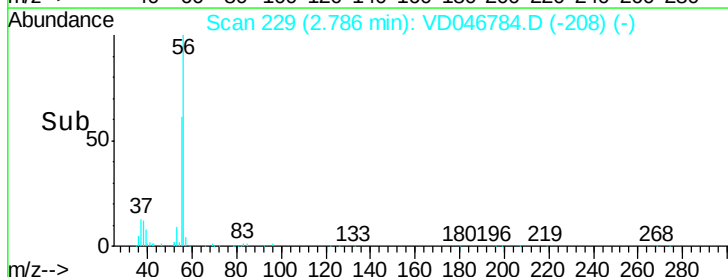
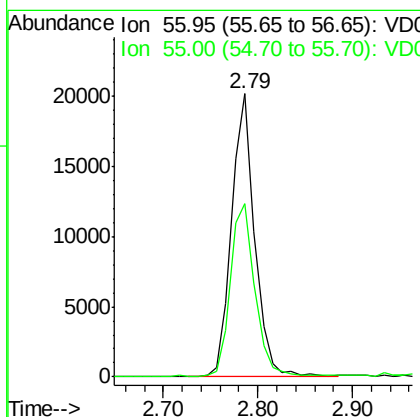
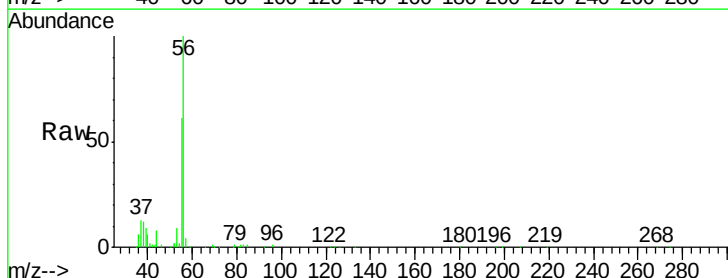
Manual Integrations
 APPROVED

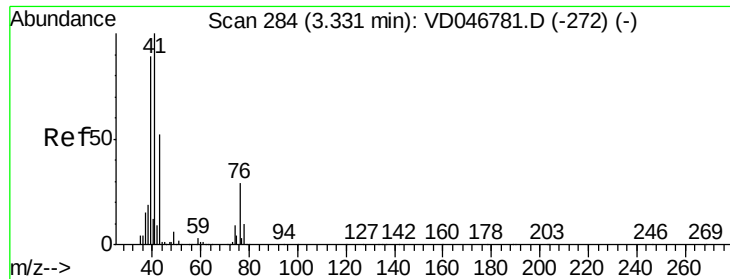
MMDadoda
 9/21/2015 11:39:03 AM



#14
 Acrolein
 Concen: 287.13 ug/l
 RT: 2.79 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
56	100		
55	61.2	62.6	93.8#





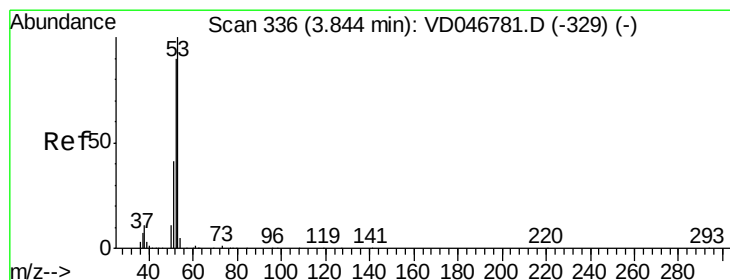
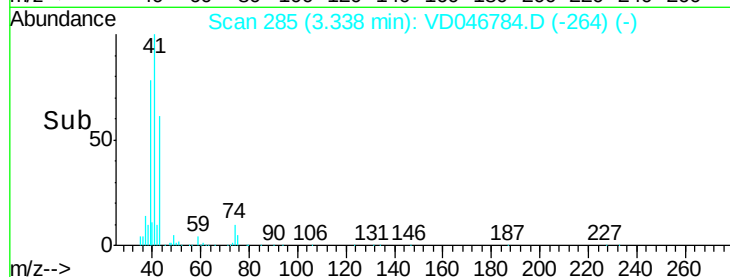
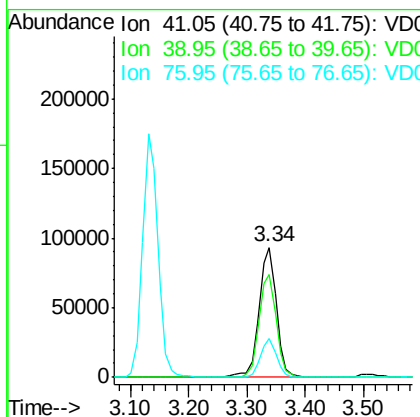
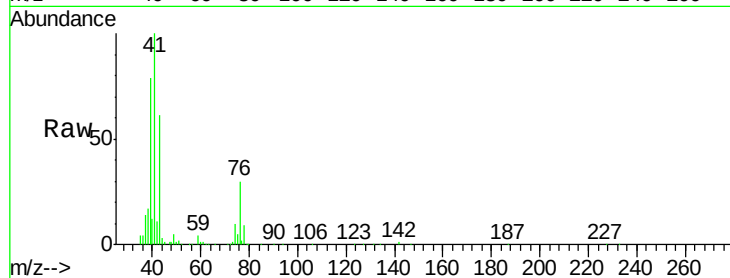
#15
 Allyl chloride
 Concen: 53.18 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

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

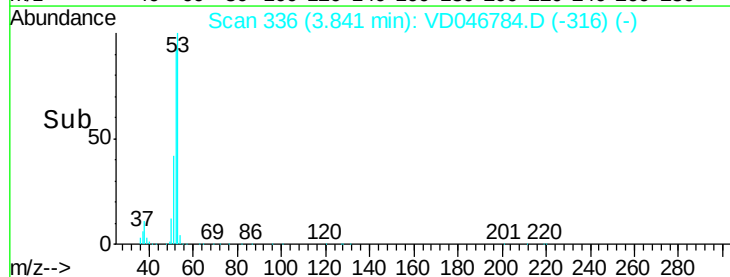
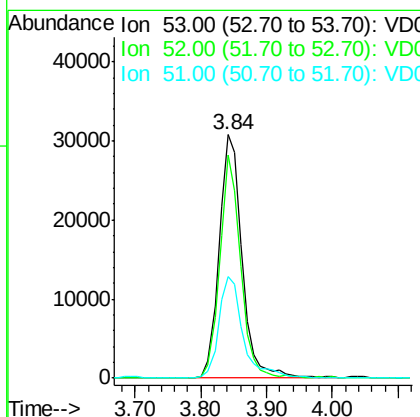
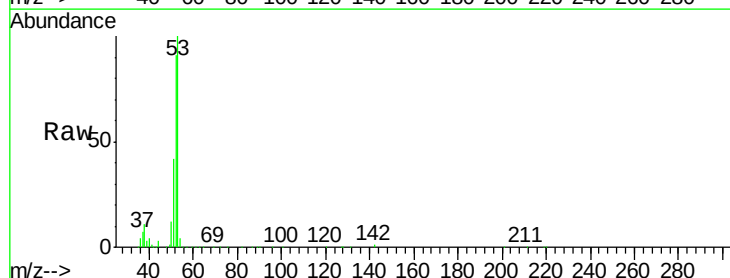
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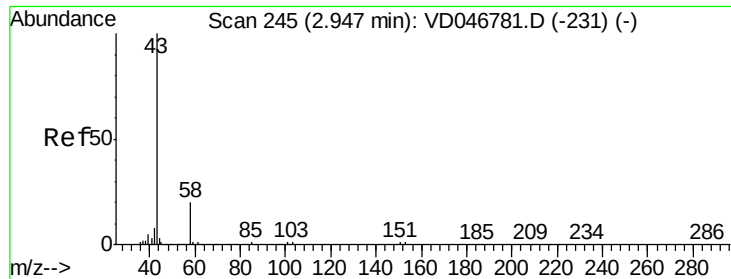
MMDadoda
 9/21/2015 11:39:03 AM



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

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





#17

Acetone

Concen: 230.85 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 43 Resp: 91134

Ion Ratio Lower Upper

43 100

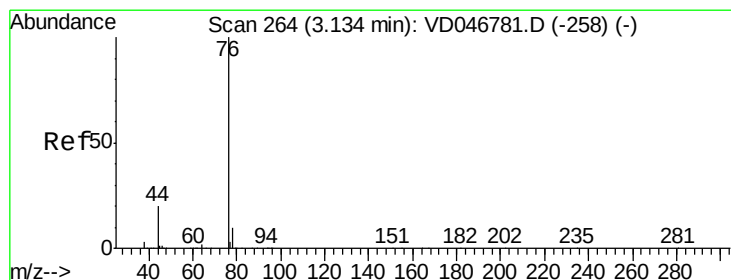
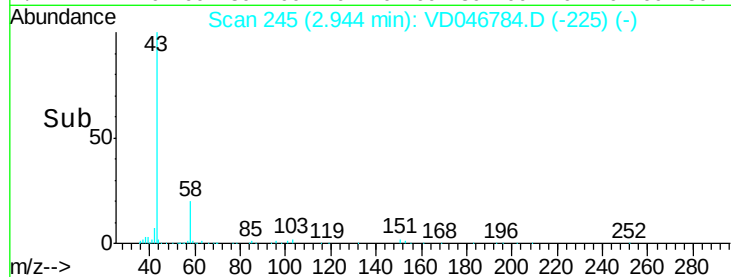
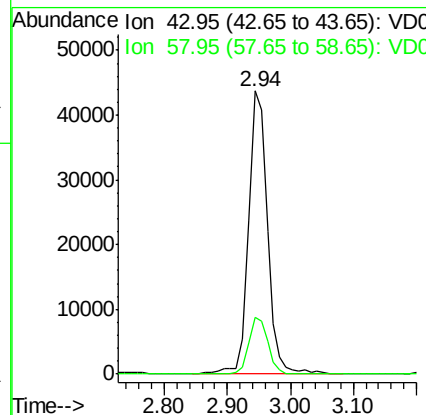
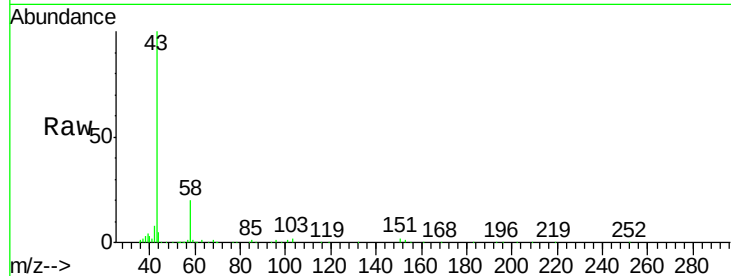
58 20.1 16.6 24.8

Manual Integrations

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MMDadoda

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#18

Carbon Disulfide

Concen: 47.55 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.00 min

Lab File: VD046784.D

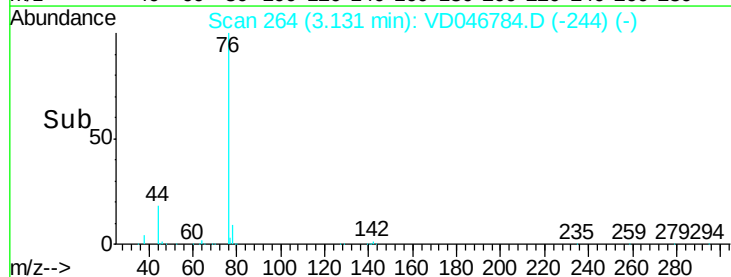
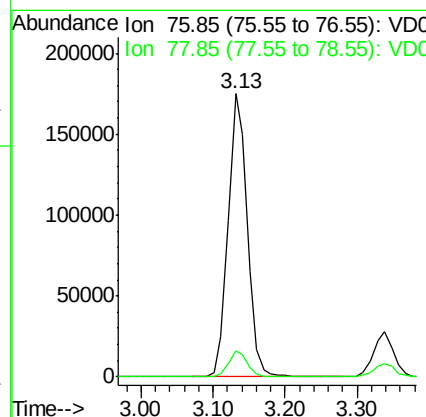
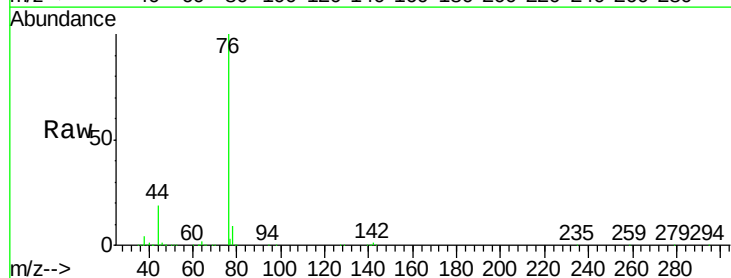
Acq: 18 Sep 2015 15:33

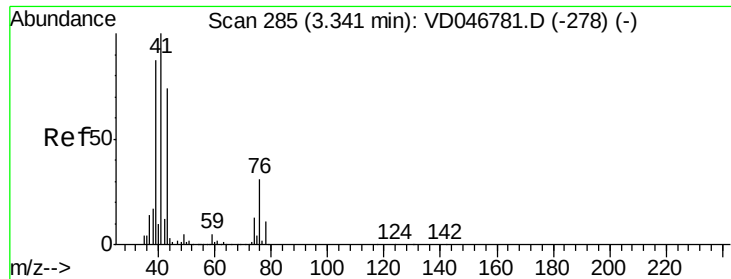
Tgt Ion: 76 Resp: 320718

Ion Ratio Lower Upper

76 100

78 9.1 8.0 12.0





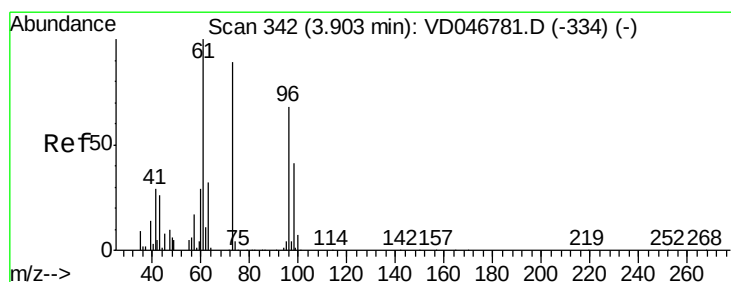
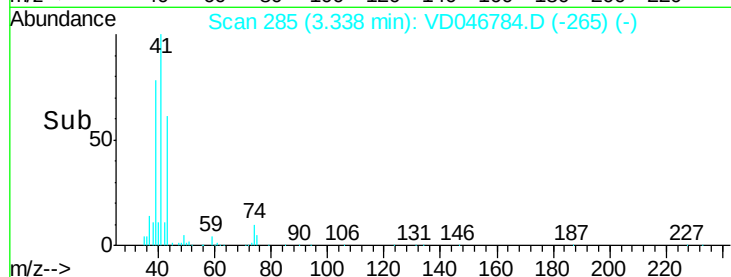
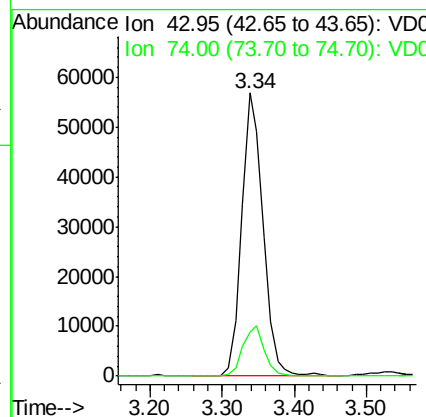
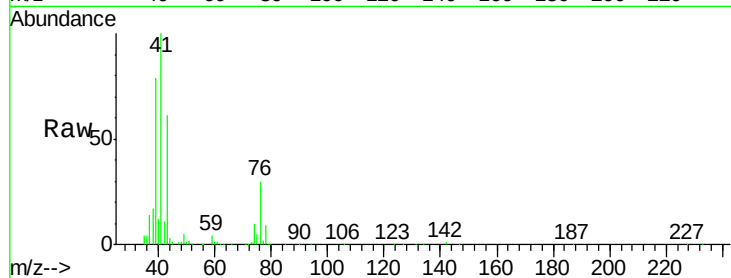
#19
Methyl Acetate
Concen: 51.73 ug/l
RT: 3.34 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

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

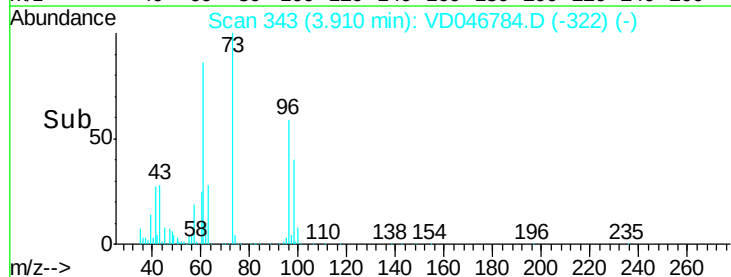
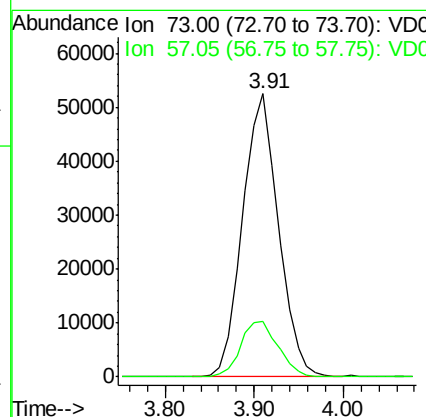
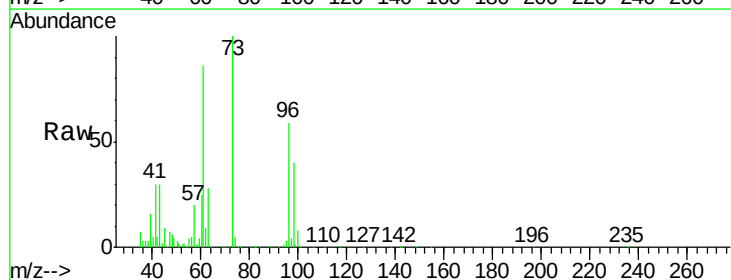
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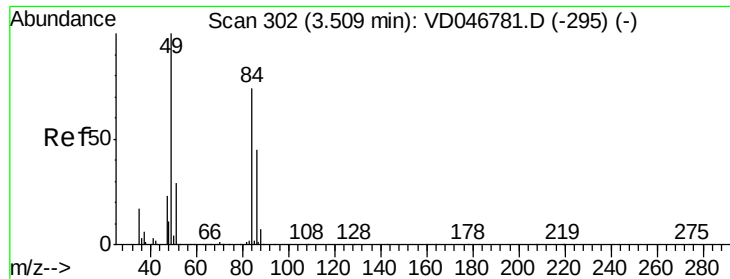
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 52.01 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

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





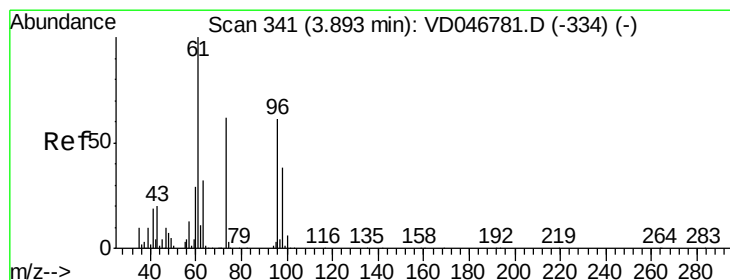
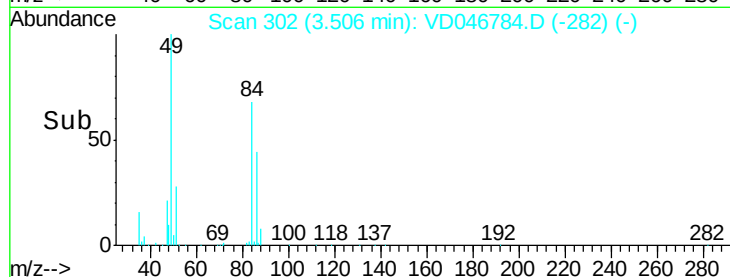
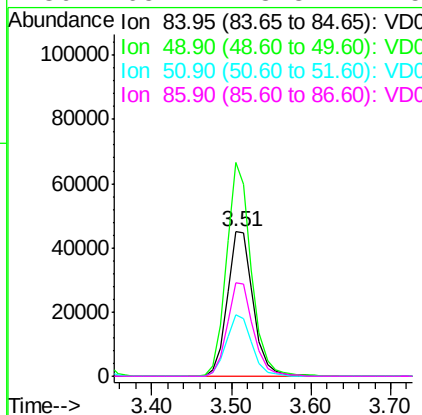
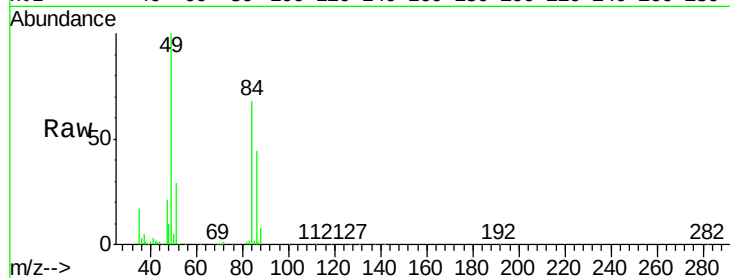
#21
Methylene Chloride
Concen: 47.57 ug/l
RT: 3.51 min Scan# 302
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.9	122.1	183.1
51	42.2	33.6	50.4
86	65.1	48.3	72.5

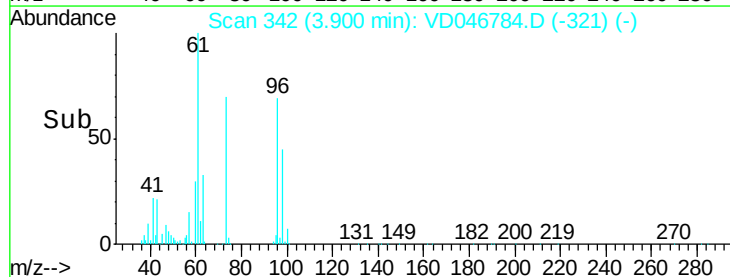
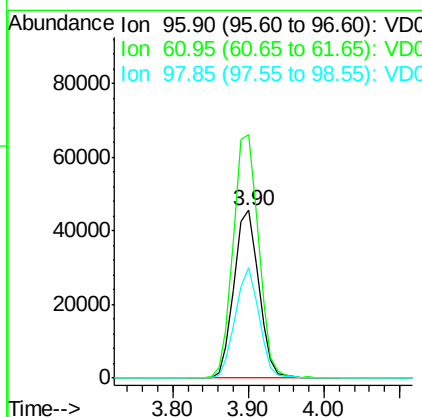
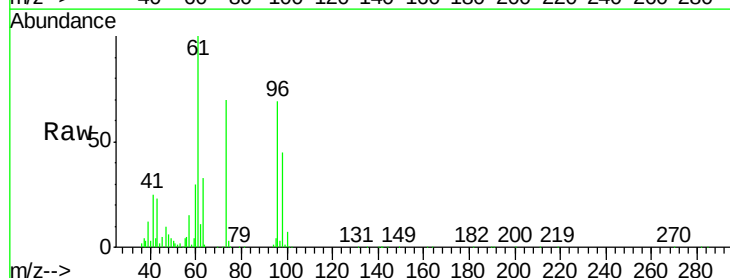
Manual Integrations
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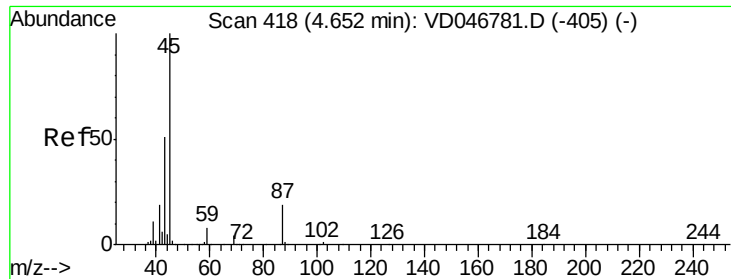
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 51.11 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

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





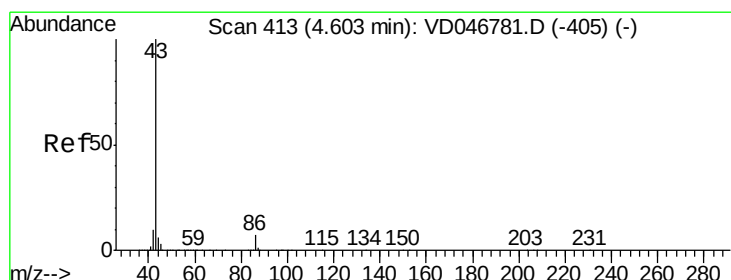
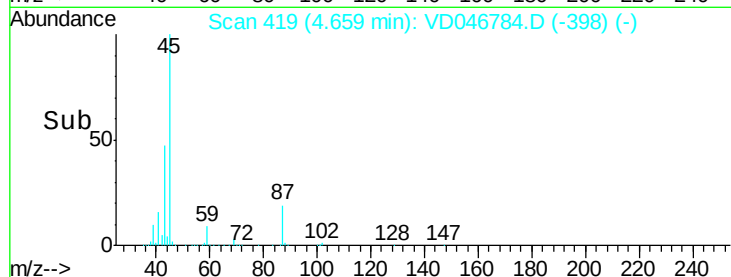
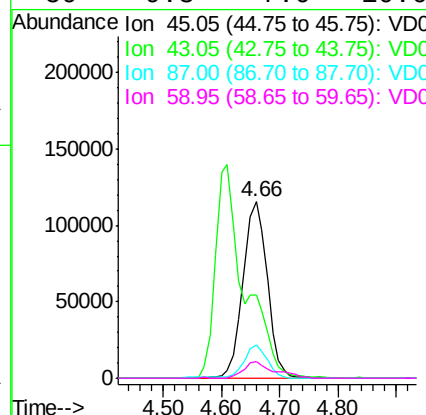
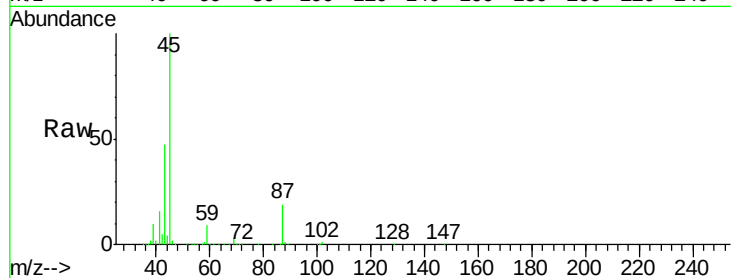
#23
Diisopropyl ether
Concen: 55.63 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
45	100		
43	47.3	35.9	53.9
87	19.0	13.0	19.6
59	9.3	7.0	10.6

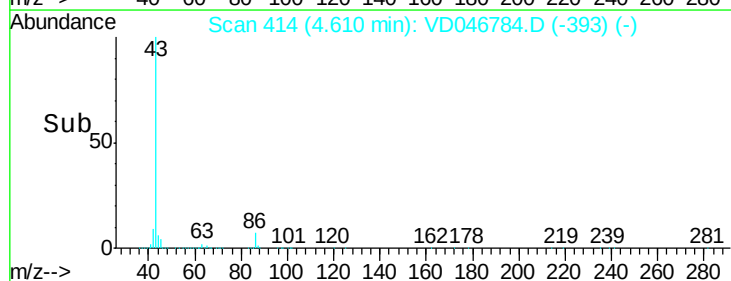
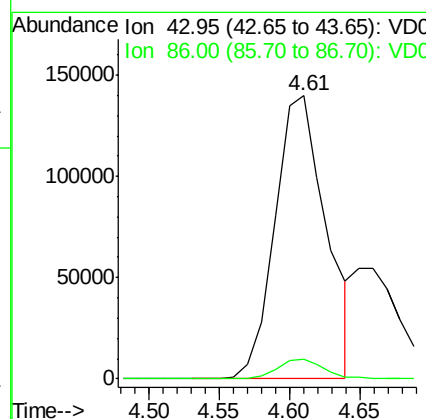
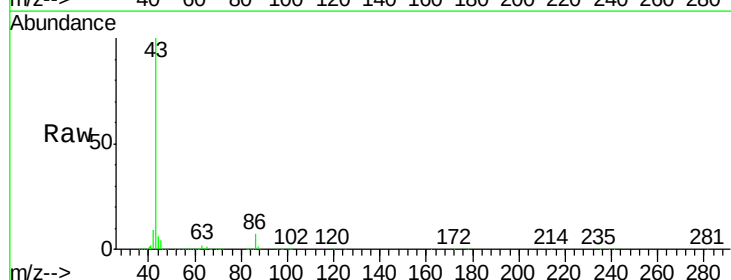
Manual Integrations
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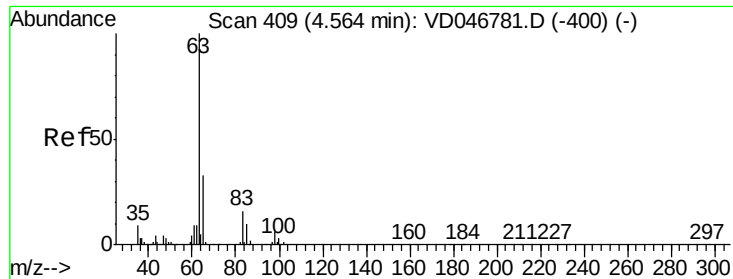
MMDadoda
9/21/2015 11:39:03 AM



#24
Vinyl Acetate
Concen: 251.00 ug/l m
RT: 4.61 min Scan# 414
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.9	7.3





#25

1,1-Dichloroethane

Concen: 49.92 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

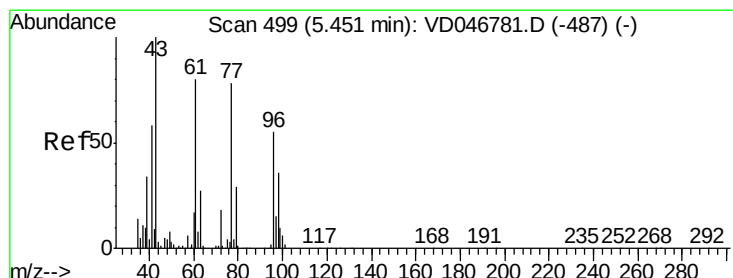
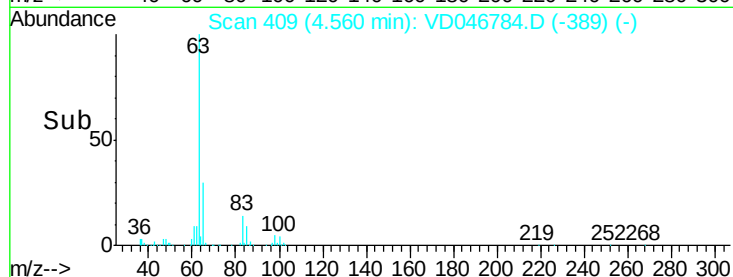
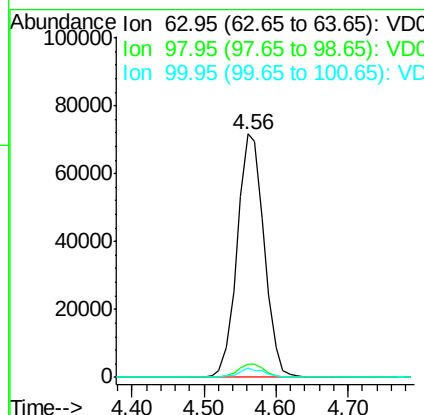
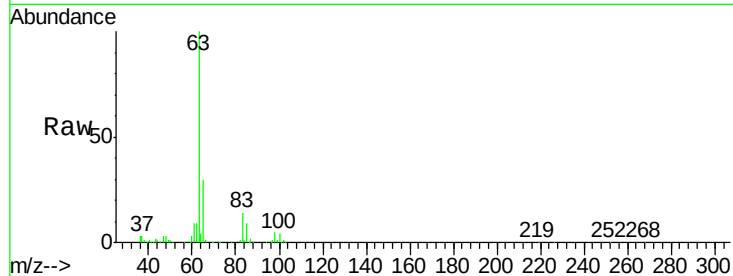
ClientSampleId :

ICVVD091815

Tgt Ion:	63	Resp:	186587
Ion Ratio		Lower	Upper
63	100		
98	5.3	2.5	7.5
100	3.7	1.5	4.5

Manual Integrations
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#26

2-Butanone

Concen: 264.94 ug/l

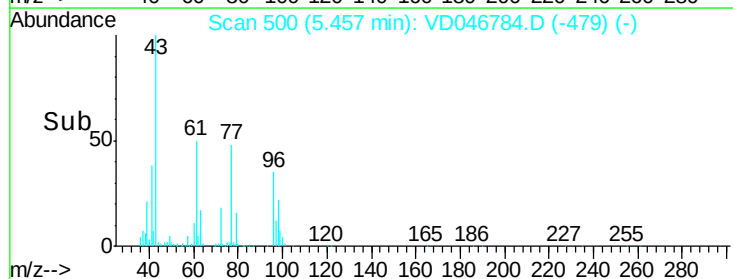
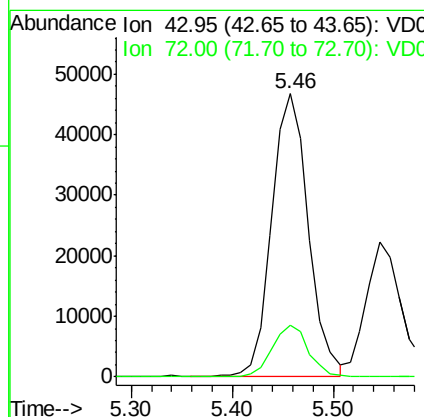
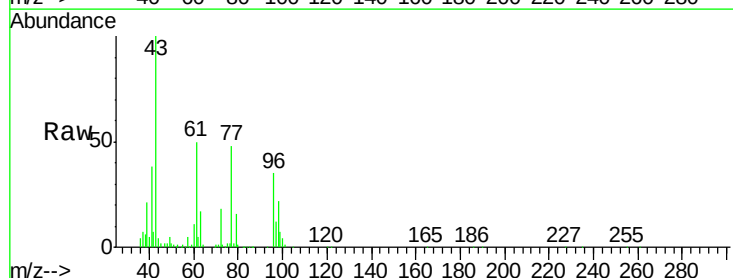
RT: 5.46 min Scan# 500

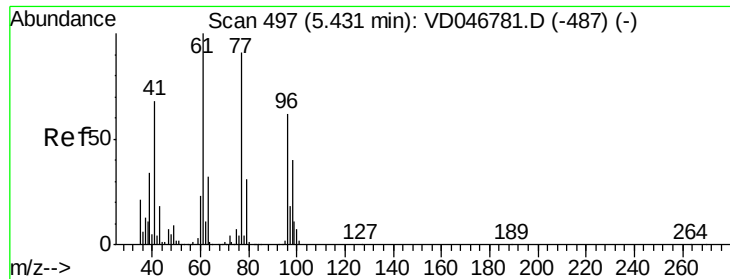
Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Tgt Ion:	43	Resp:	117551
Ion Ratio		Lower	Upper
43	100		
72	18.4	13.4	20.0





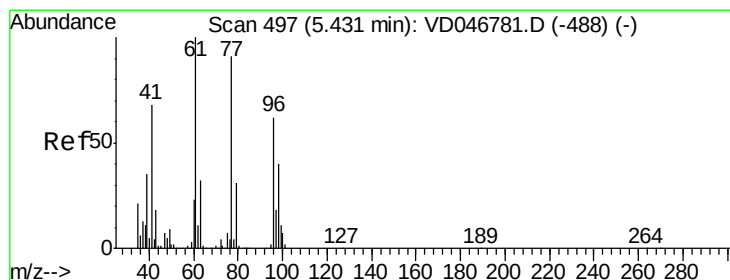
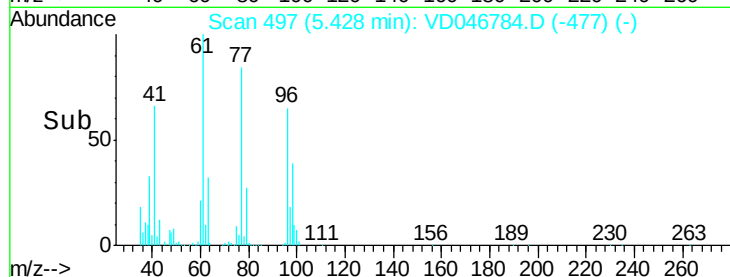
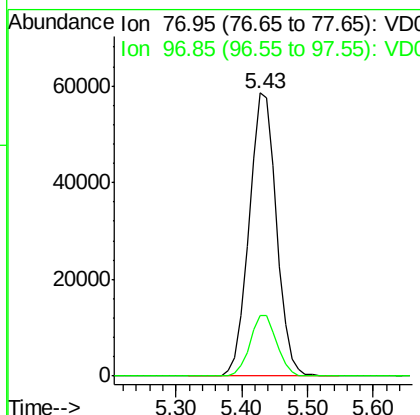
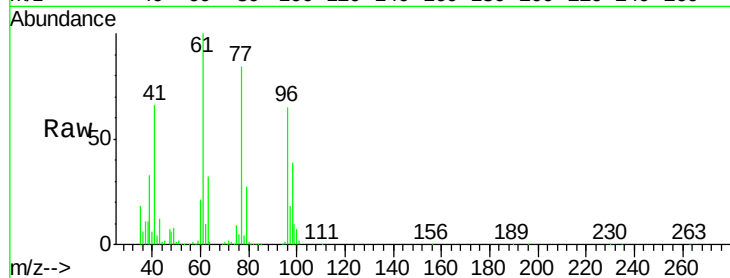
#27
 2,2-Dichloropropane
 Concen: 44.50 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

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

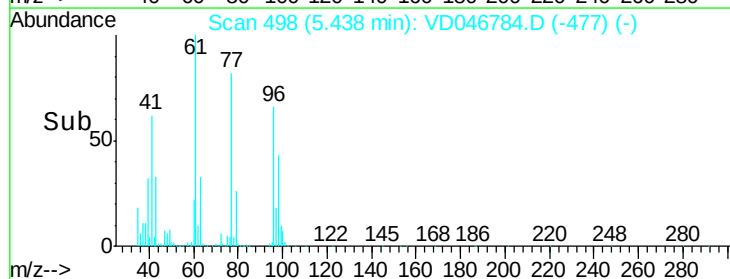
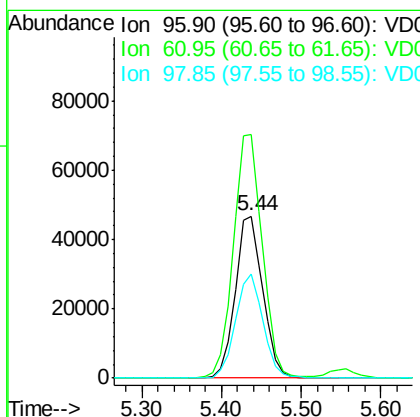
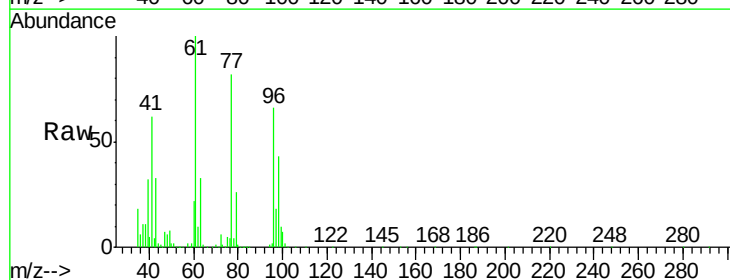
Manual Integrations
 APPROVED

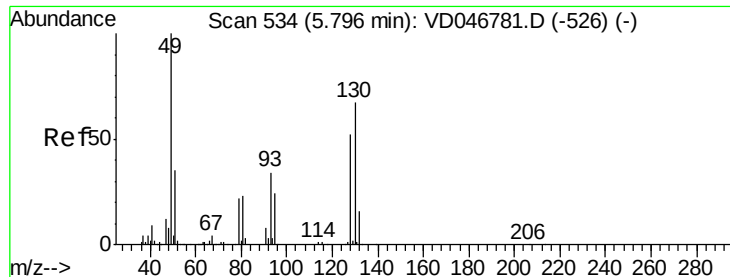
MMDadoda
 9/21/2015 11:39:03 AM



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

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





#29

Bromochloromethane

Concen: 53.48 ug/l

RT: 5.79 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 49 Resp: 78780

Ion Ratio Lower Upper

49 100

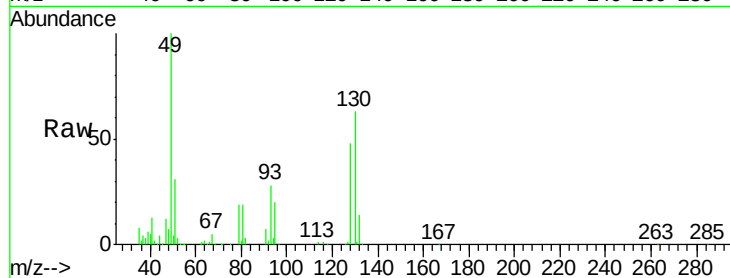
129 0.0 0.0 2.8

130 62.5 50.2 75.4

Manual Integrations
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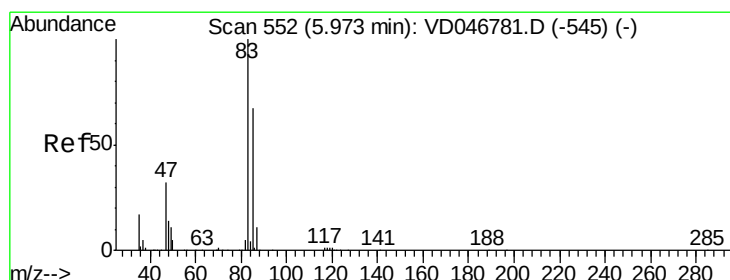
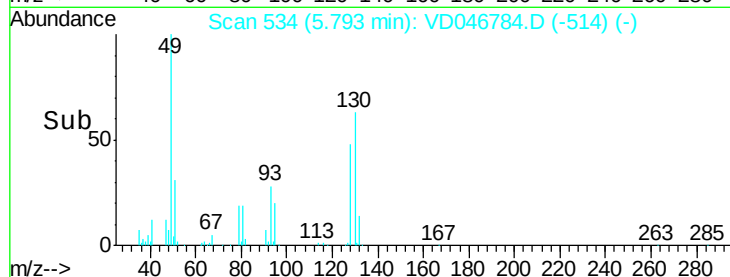
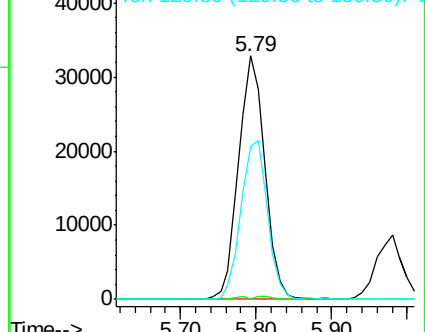
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Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#30

Chloroform

Concen: 47.21 ug/l

RT: 5.98 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD046784.D

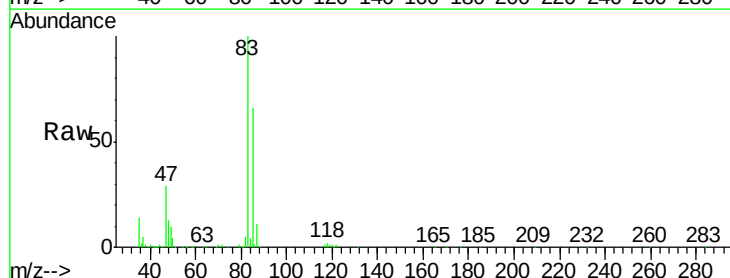
Acq: 18 Sep 2015 15:33

Tgt Ion: 83 Resp: 214052

Ion Ratio Lower Upper

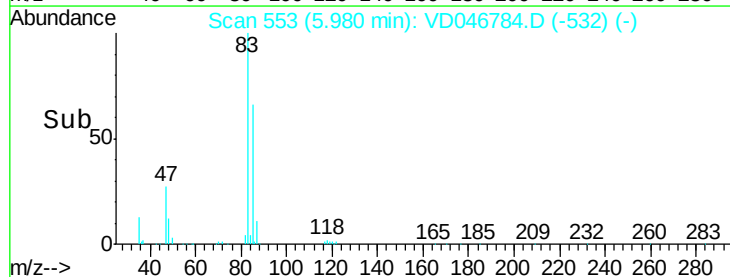
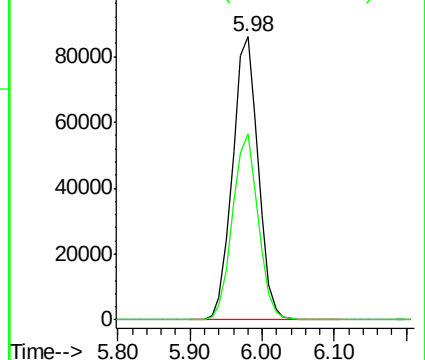
83 100

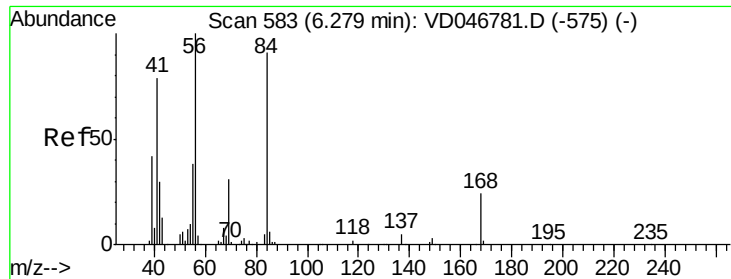
85 65.7 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





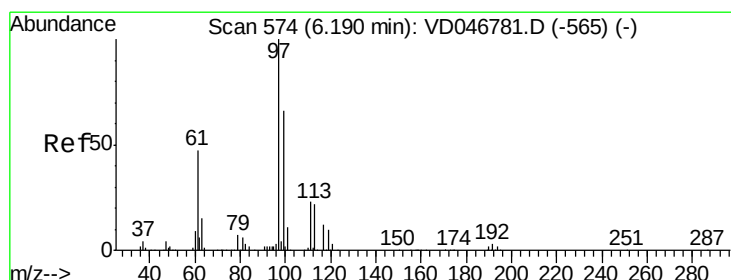
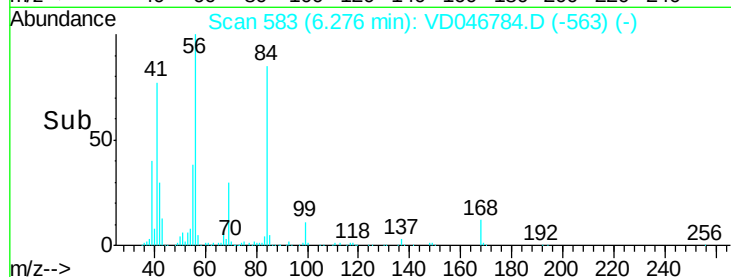
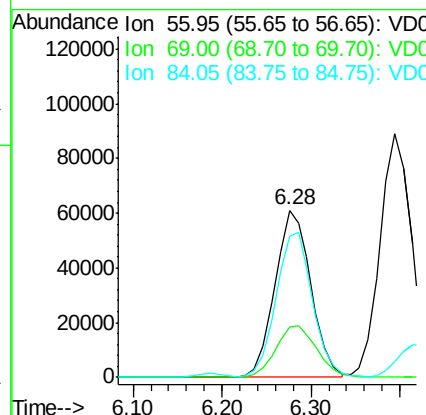
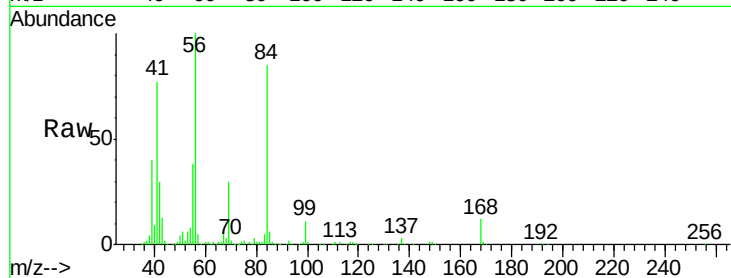
#31
Cyclohexane
Concen: 48.81 ug/l
RT: 6.28 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.0
84	84.8	63.8	95.8

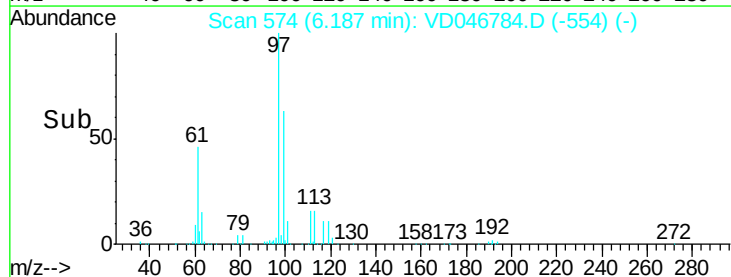
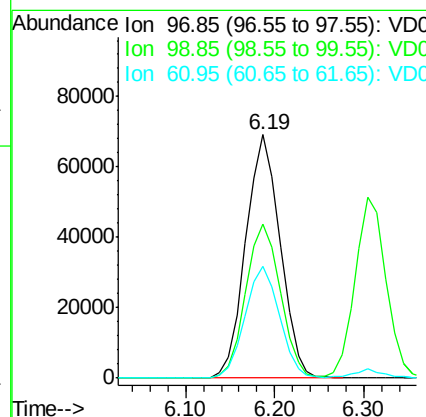
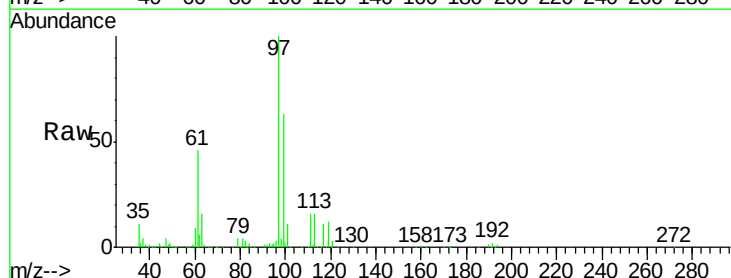
Manual Integrations
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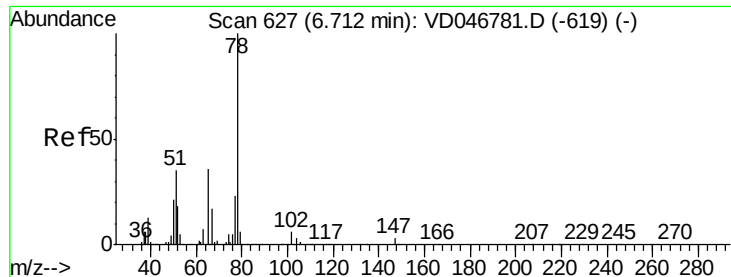
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#32
1,1,1-Trichloroethane
Concen: 45.80 ug/l
RT: 6.19 min Scan# 574
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

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





#33

1,2-Dichloroethane-d4

Concen: 45.80 ug/l

RT: 6.72 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 65 Resp: 115681

Ion Ratio Lower Upper

65 100

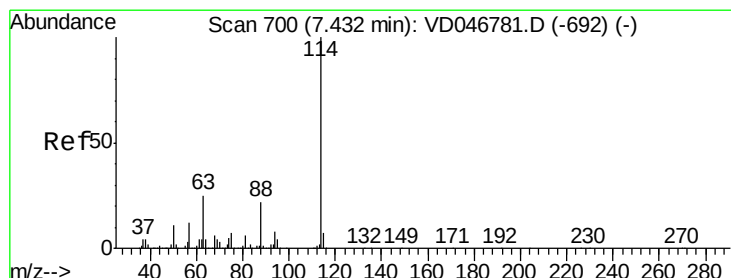
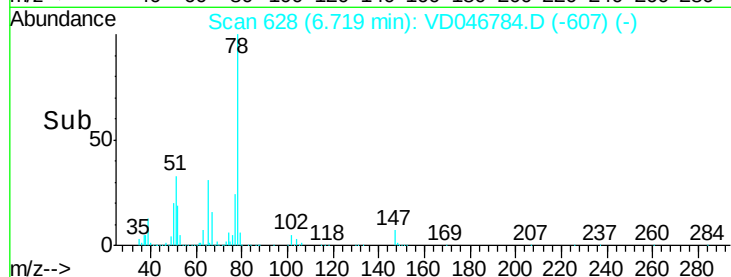
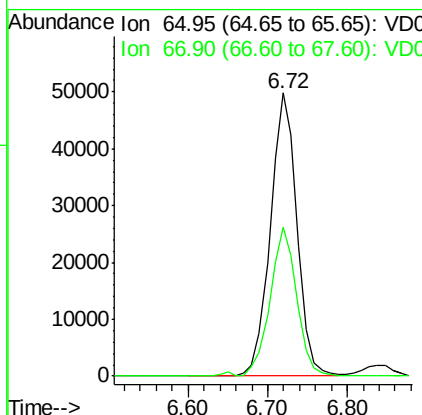
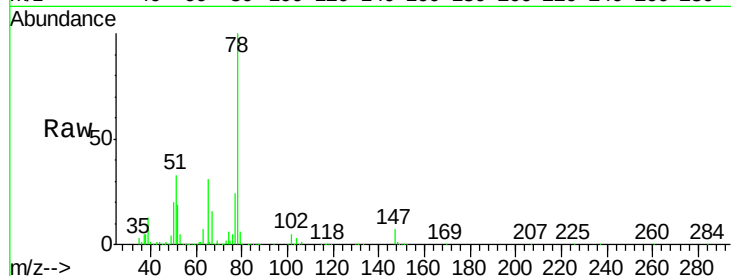
67 52.8 0.0 105.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

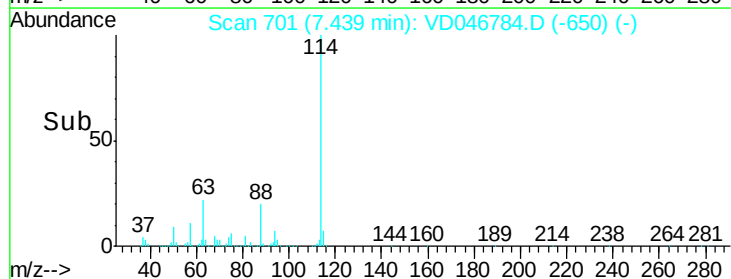
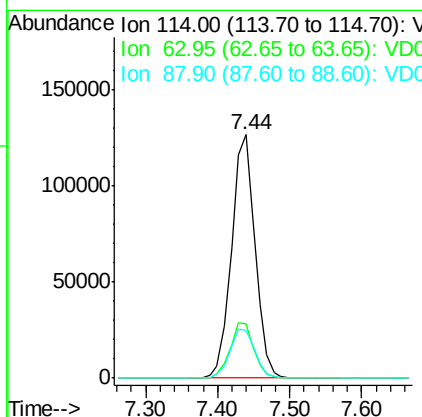
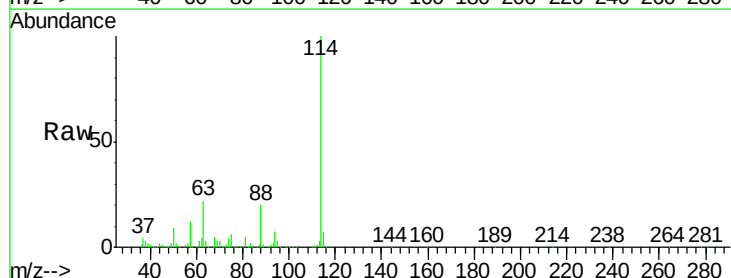
Tgt Ion: 114 Resp: 288182

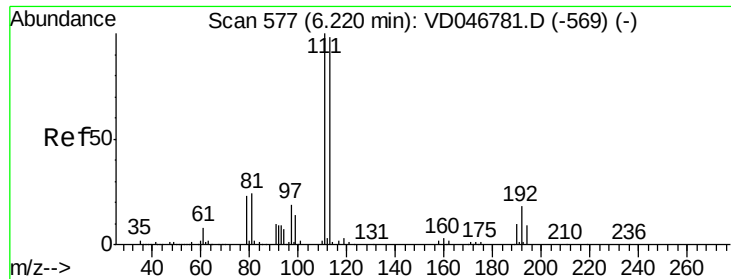
Ion Ratio Lower Upper

114 100

63 22.2 0.0 49.8

88 19.8 0.0 43.6





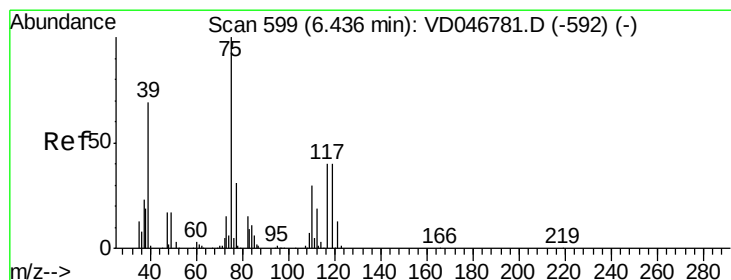
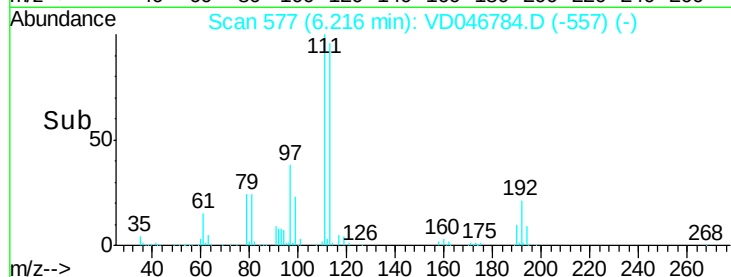
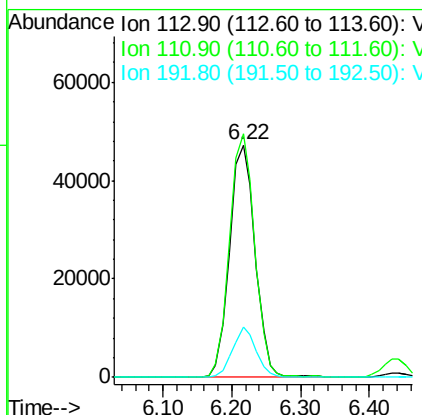
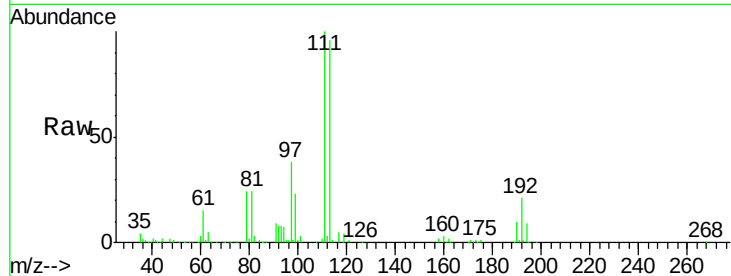
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	121635		
111	104.7	79.4	119.0	
192	21.5	14.6	22.0	

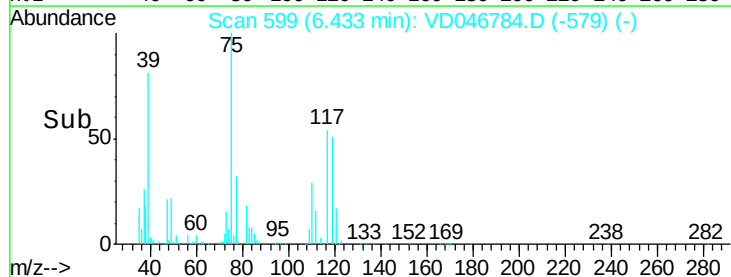
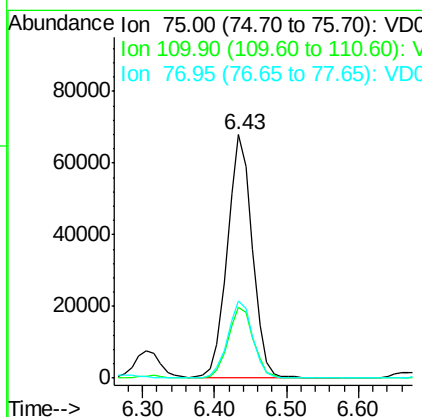
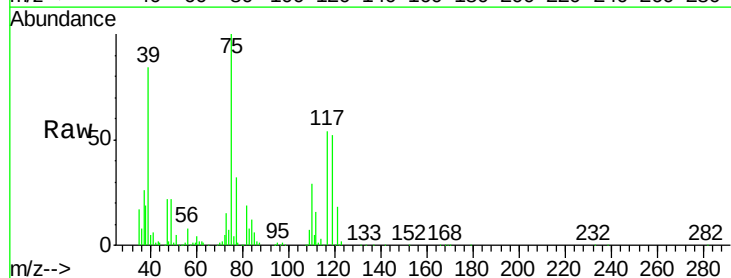
Manual Integrations
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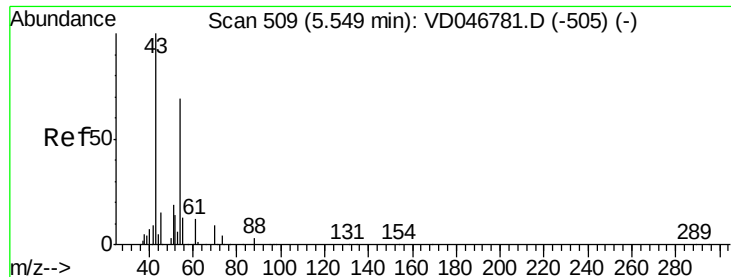
MMDadoda
 9/21/2015 11:39:03 AM



#36
 1,1-Dichloropropene
 Concen: 48.62 ug/l
 RT: 6.43 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	163733		
110	29.1	13.7	41.0	
77	31.8	24.7	37.1	





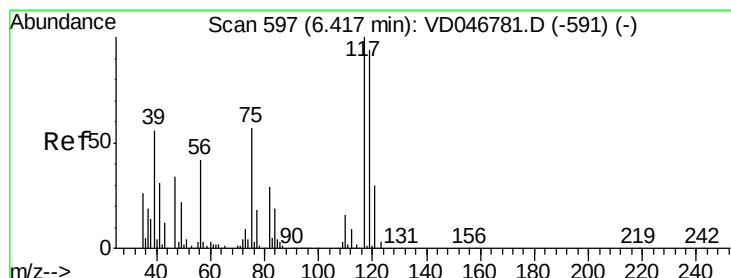
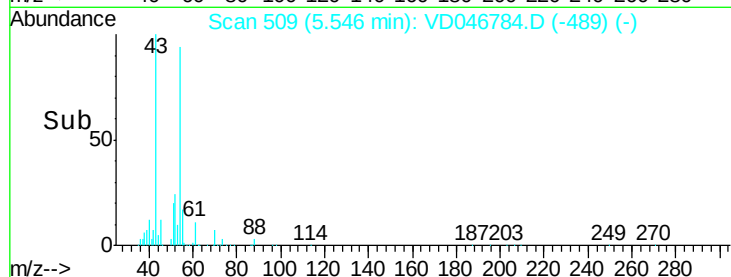
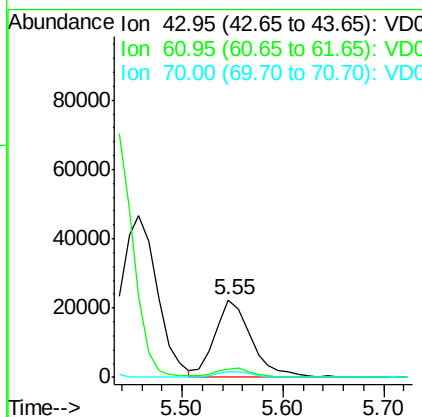
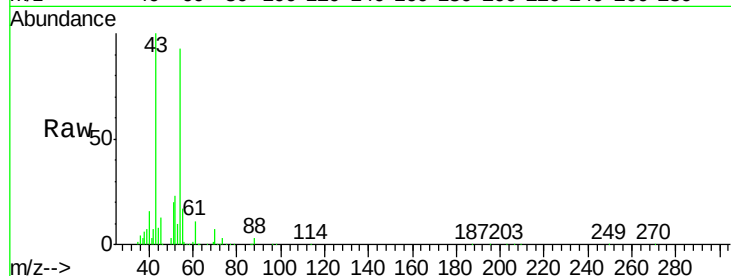
#37
Ethyl Acetate
Concen: 51.23 ug/l
RT: 5.55 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

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

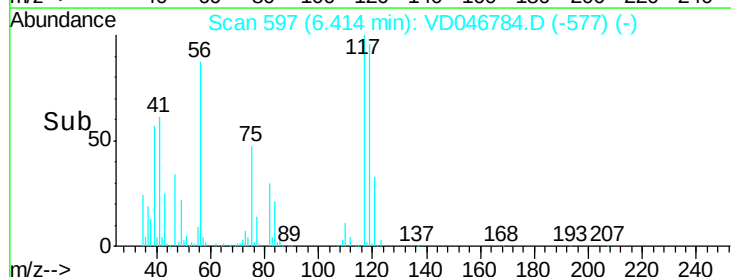
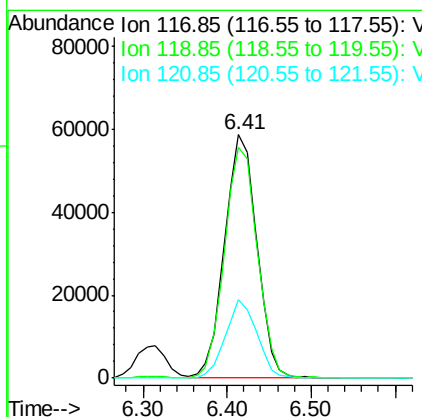
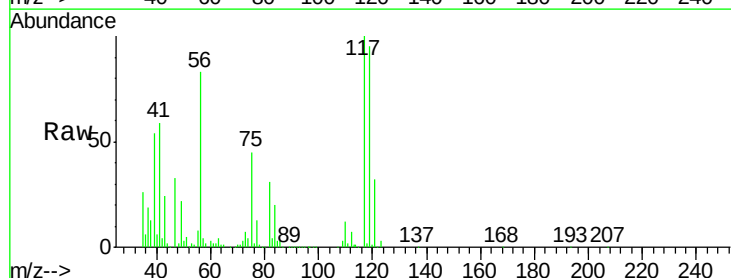
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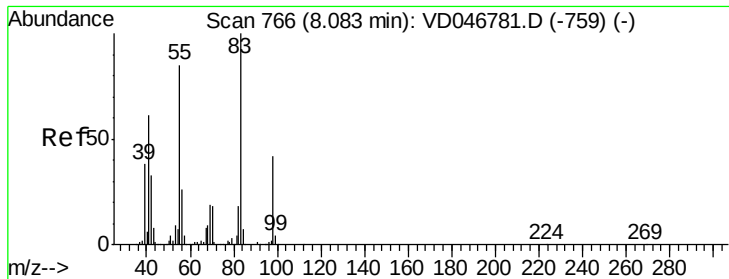
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#38
Carbon Tetrachloride
Concen: 44.74 ug/l
RT: 6.41 min Scan# 597
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

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





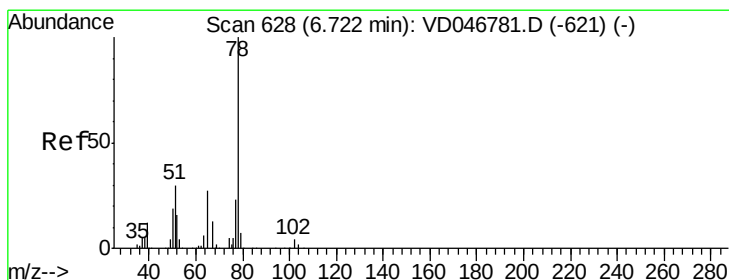
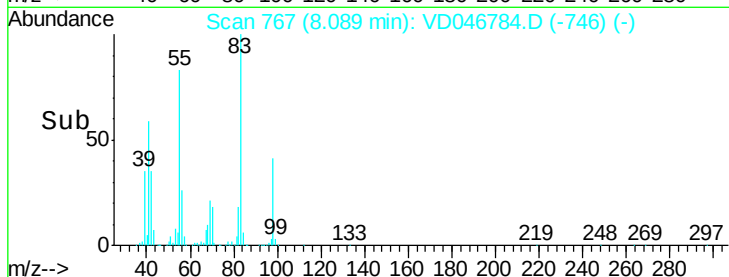
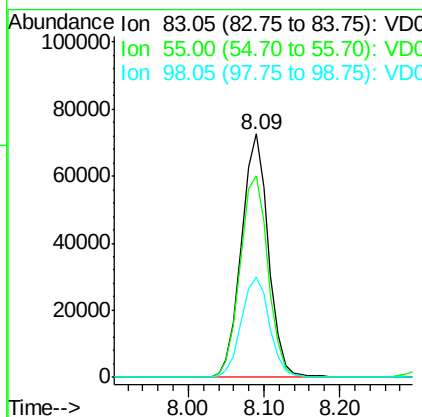
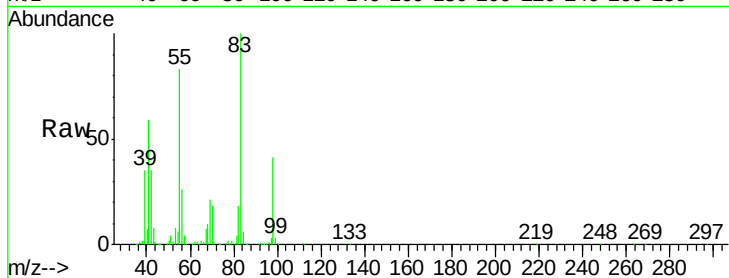
#39
Methylcyclohexane
Concen: 52.57 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	179390		
55	82.8	71.1	106.7	
98	41.3	34.6	51.8	

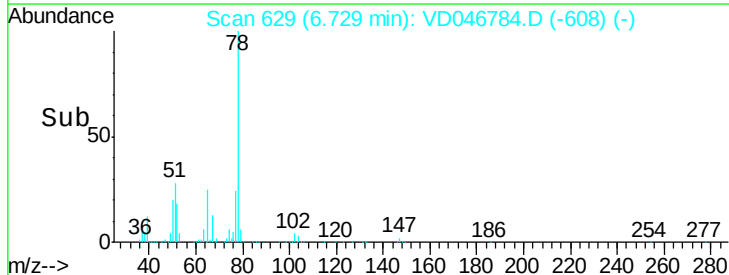
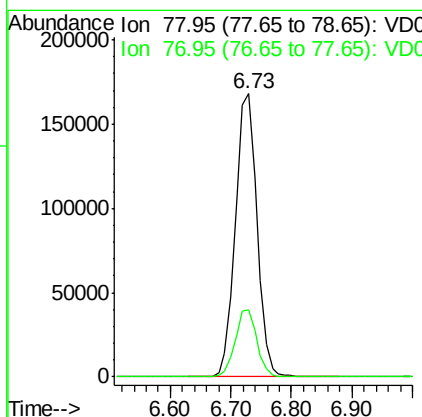
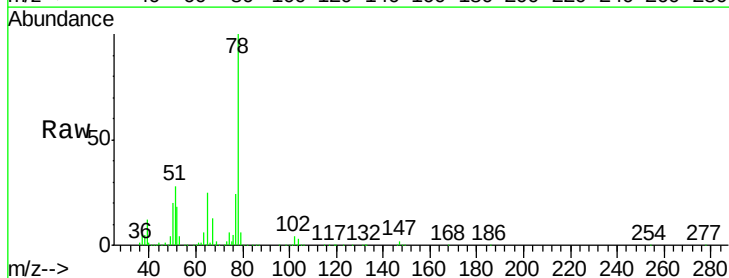
Manual Integrations
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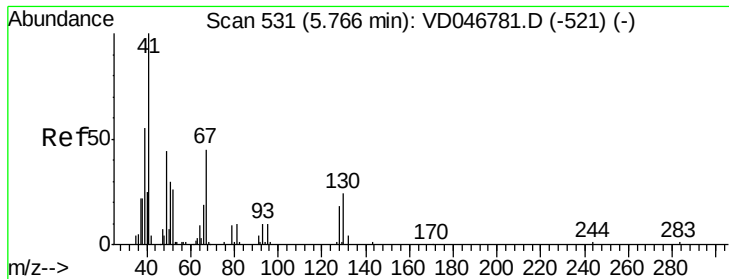
MMDadoda
9/21/2015 11:39:03 AM



#40
Benzene
Concen: 48.68 ug/l
RT: 6.73 min Scan# 629
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	418503		
77	23.7	19.9	29.9	





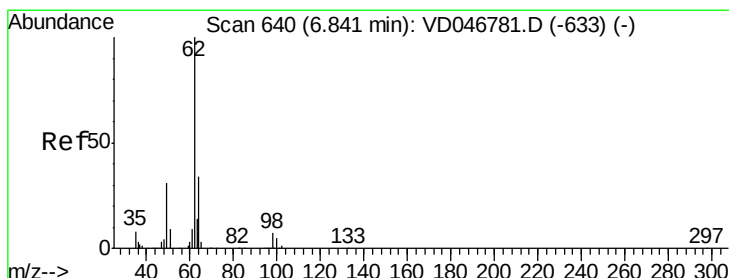
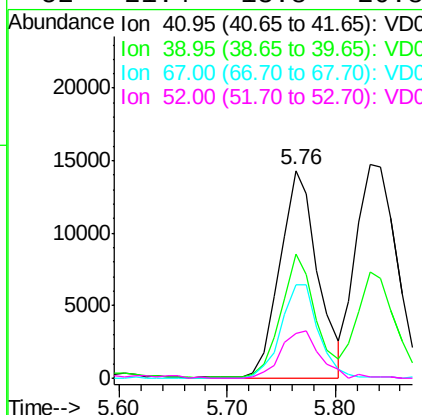
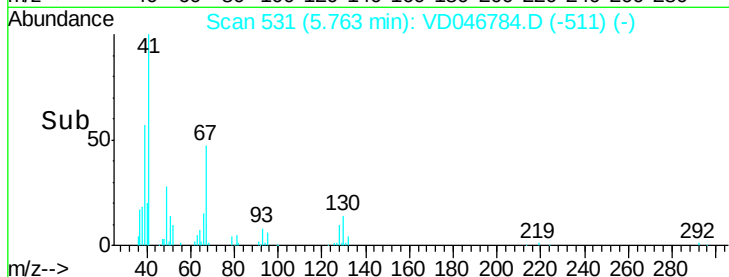
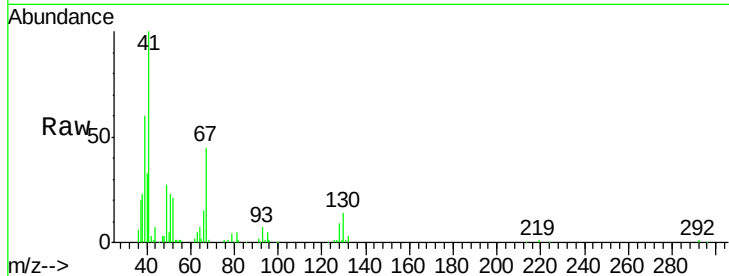
#41
Methacrylonitrile
Concen: 57.84 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.6	40.2	60.4
67	45.2	32.0	48.0
52	21.4	13.8	20.8

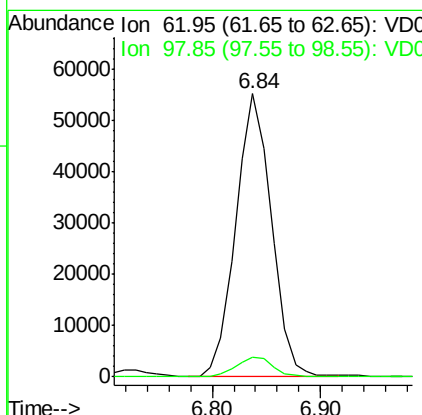
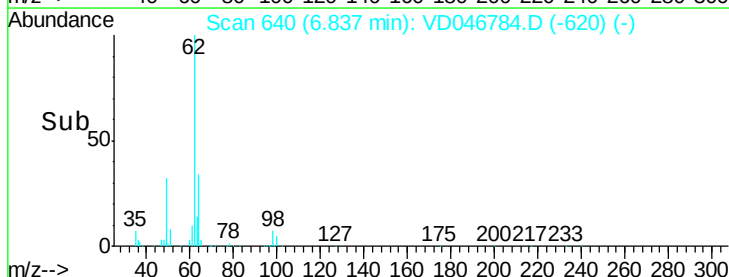
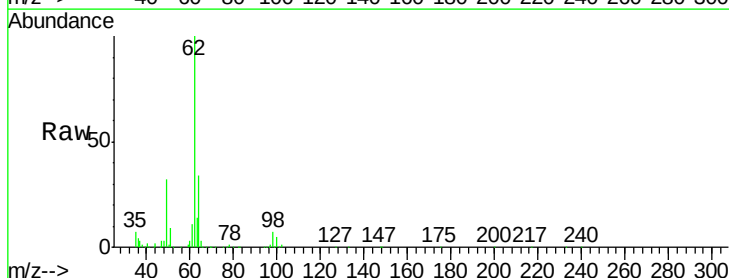
Manual Integrations
APPROVED

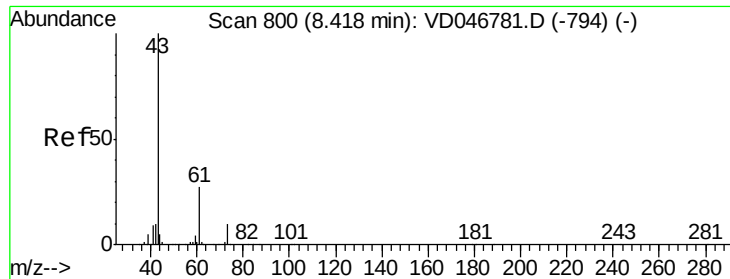
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.41 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	16.2





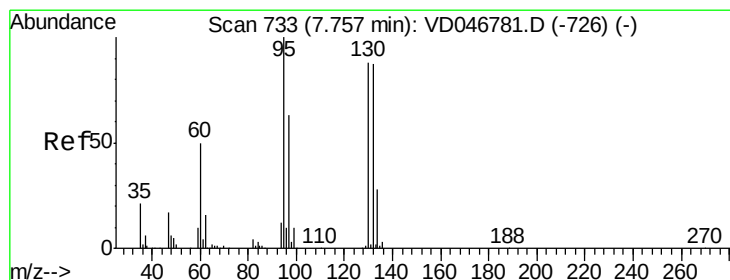
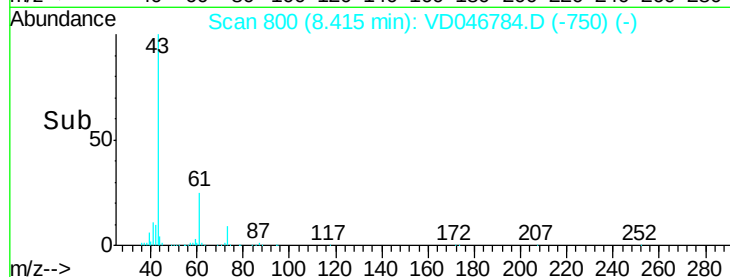
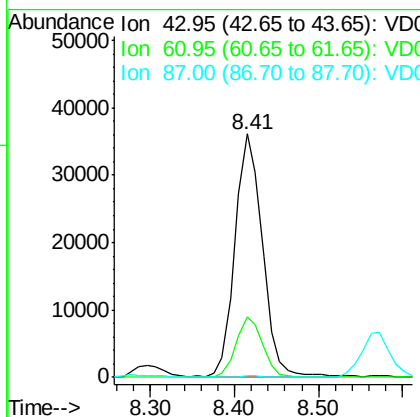
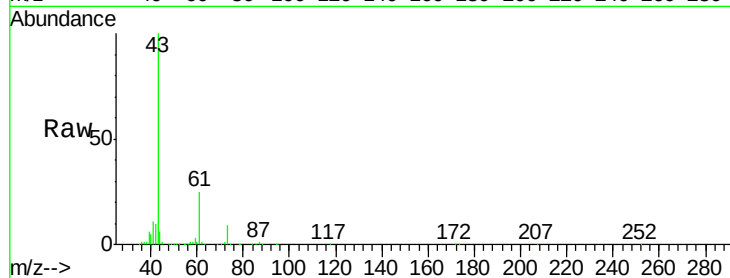
#43
Isopropyl Acetate
Concen: 57.04 ug/l
RT: 8.41 min Scan# 800
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.8	19.5	29.3
87	0.6	0.2	0.2#

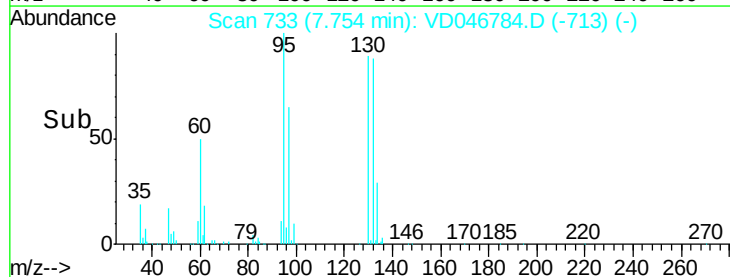
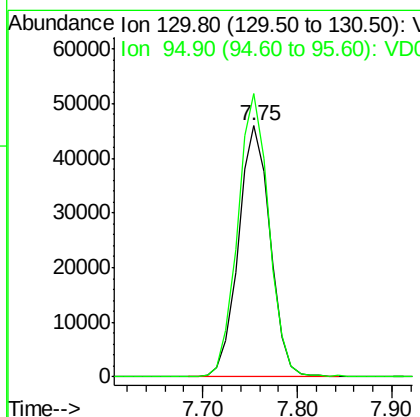
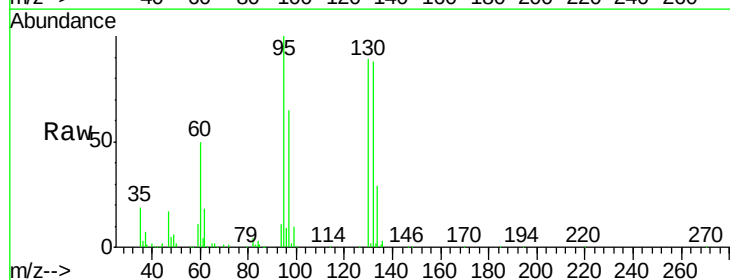
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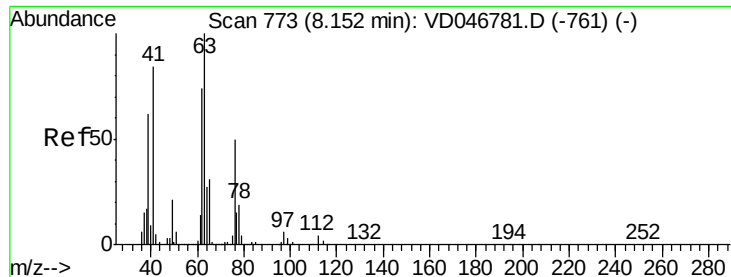
MMDadoda
9/21/2015 11:39:03 AM



#44
Trichloroethene
Concen: 49.57 ug/l
RT: 7.75 min Scan# 733
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.8	0.0	229.4





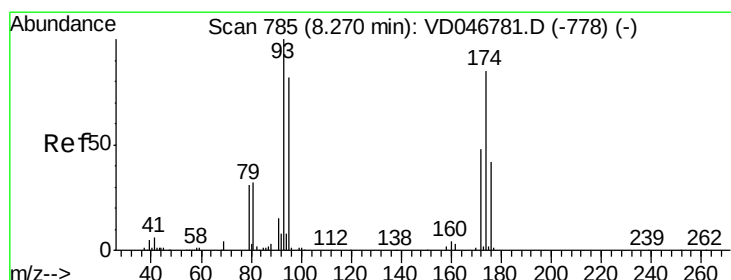
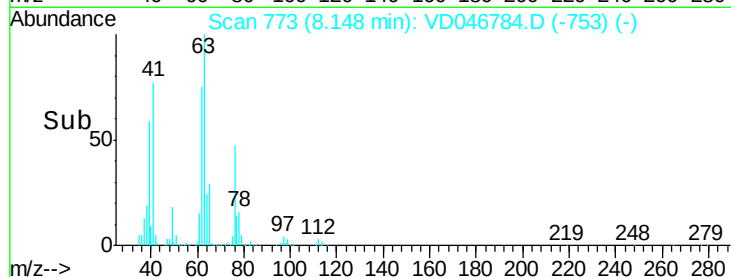
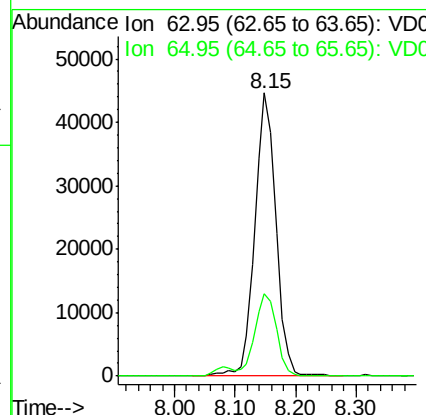
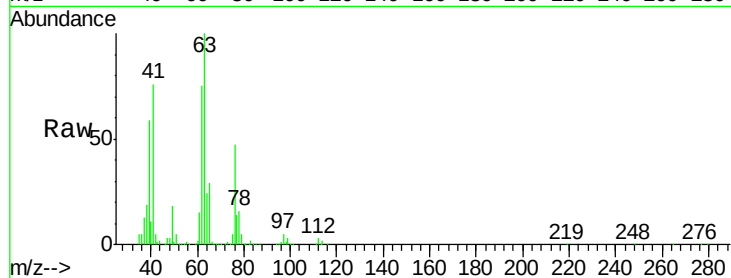
#45
1,2-Dichloropropane
Concen: 50.81 ug/l
RT: 8.15 min Scan# 773
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.1	25.1	37.7

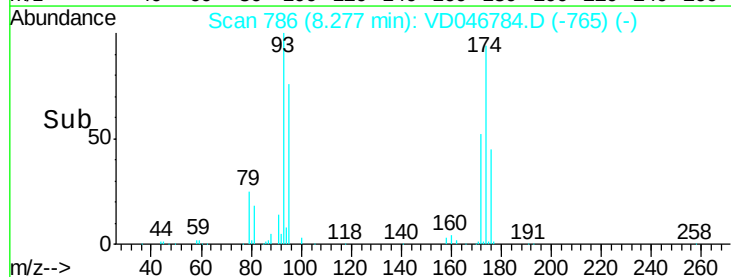
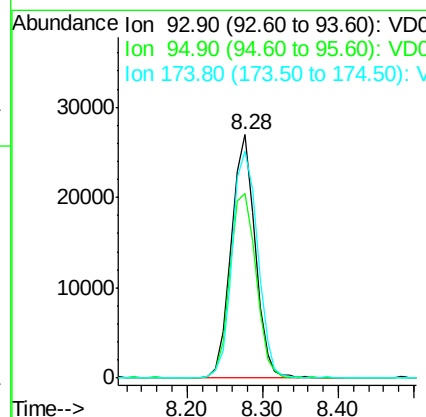
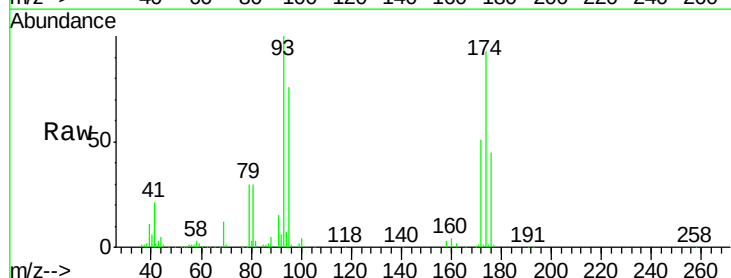
Manual Integrations
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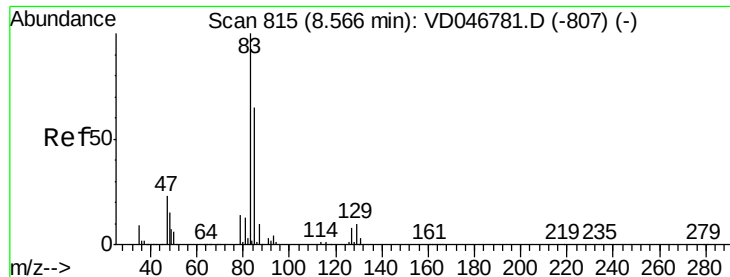
MMDadoda
9/21/2015 11:39:03 AM



#46
Dibromomethane
Concen: 48.91 ug/l
RT: 8.28 min Scan# 786
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	76.1	70.2	105.2
174	93.4	79.0	118.4





#47

Bromodichloromethane

Concen: 47.72 ug/l

RT: 8.56 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

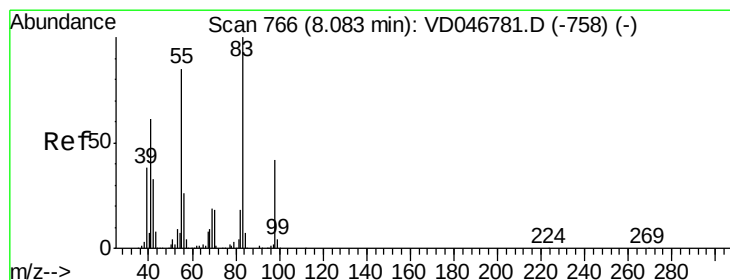
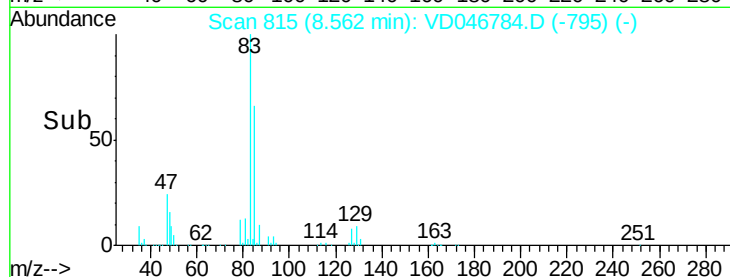
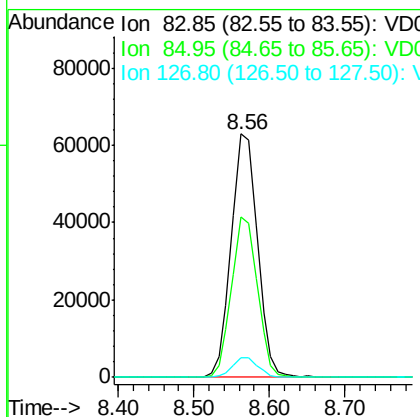
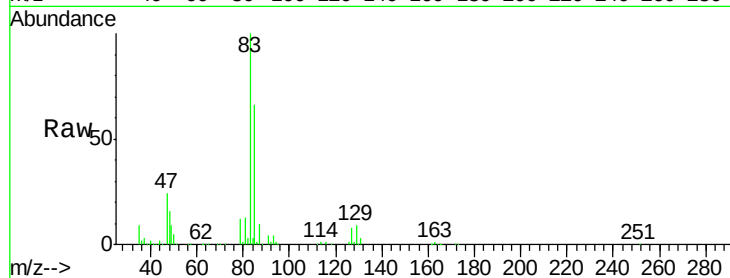
ClientSampleId :

ICVVD091815

Tgt Ion:	83	Resp:	151490
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8
127	7.8	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.60 ug/l

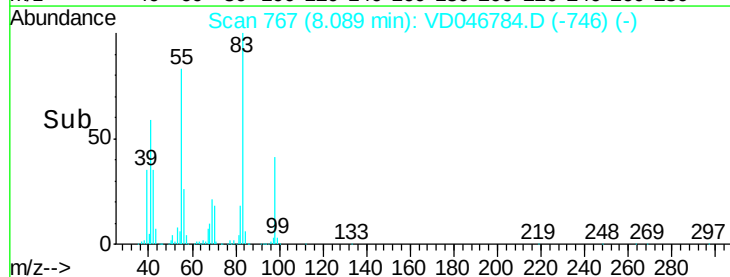
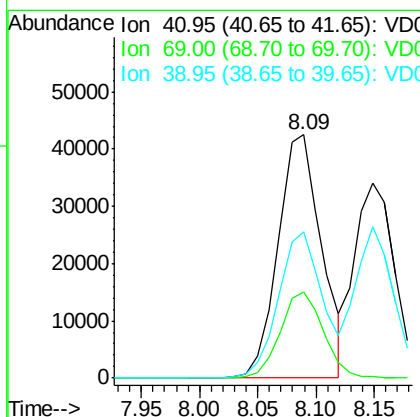
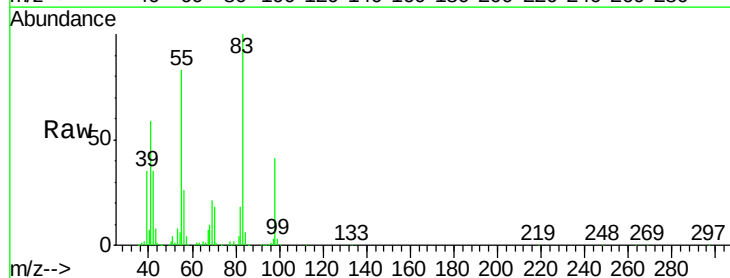
RT: 8.09 min Scan# 767

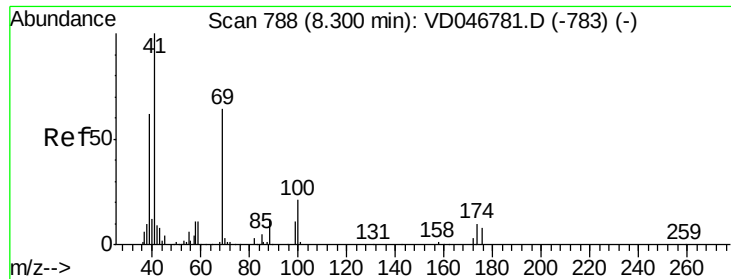
Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Tgt Ion:	41	Resp:	110325
Ion	Ratio	Lower	Upper
41	100		
69	35.4	25.3	37.9
39	60.0	47.4	71.0





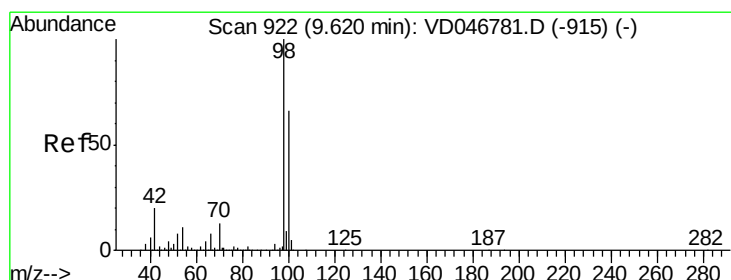
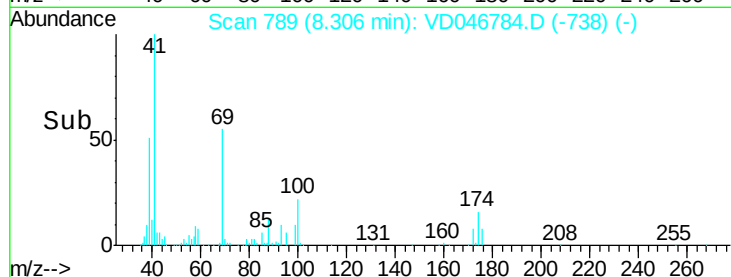
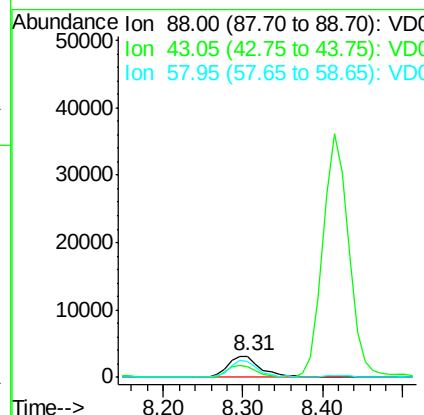
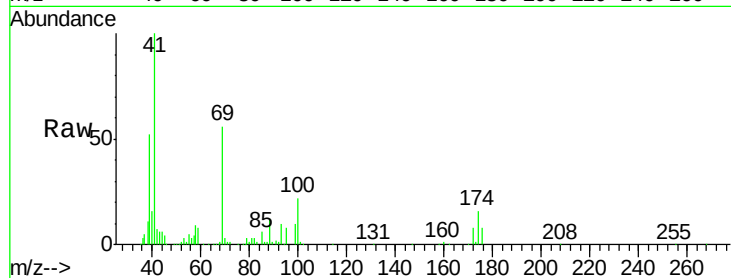
#49
 1,4-Dioxane
 Concen: 1122.85 ug/l
 RT: 8.31 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tgt Ion	Ratio	Lower	Upper
88	100		
43	48.7	50.0	75.0#
58	72.5	48.3	72.5#

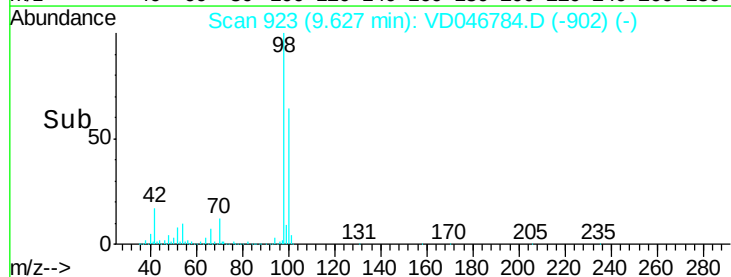
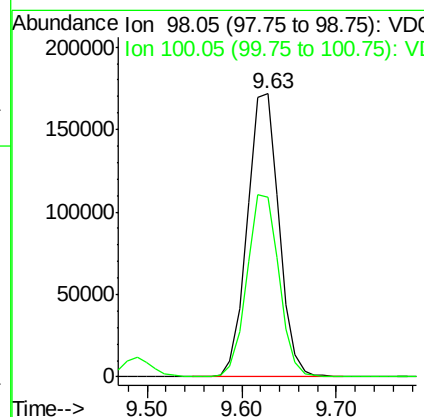
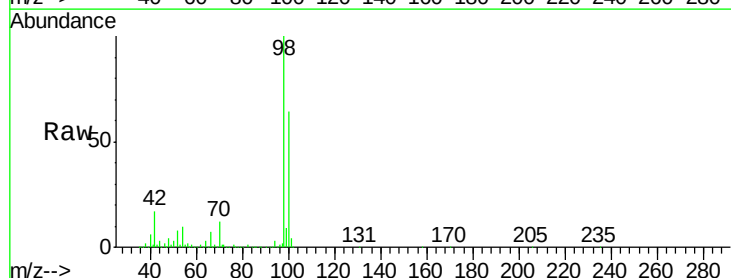
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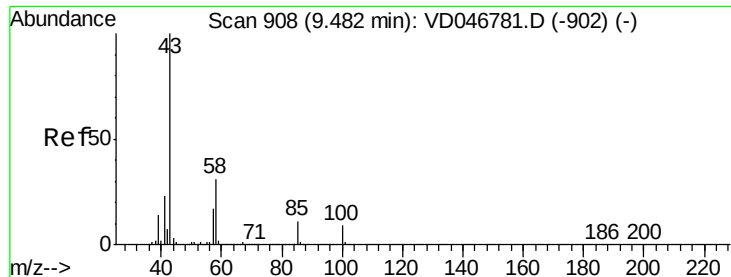
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#50
 Toluene-d8
 Concen: 1122.85 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 284.73 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 43 Resp: 293395

Ion Ratio Lower Upper

43 100

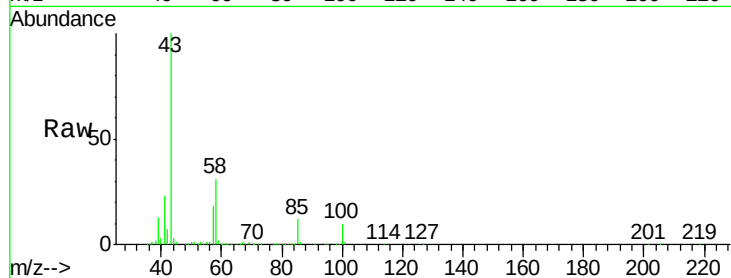
58 30.7 22.2 33.2

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

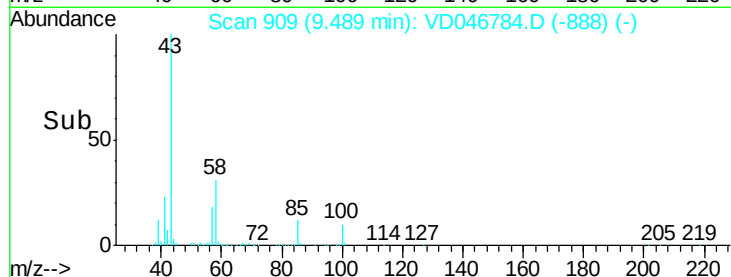
150000

100000

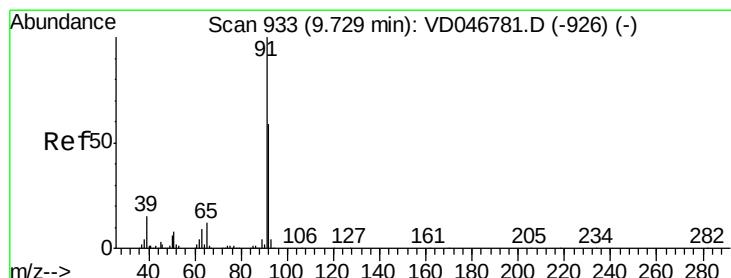
50000

0

Time-->



Time-->



#52

Toluene

Concen: 51.23 ug/l

RT: 9.73 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD046784.D

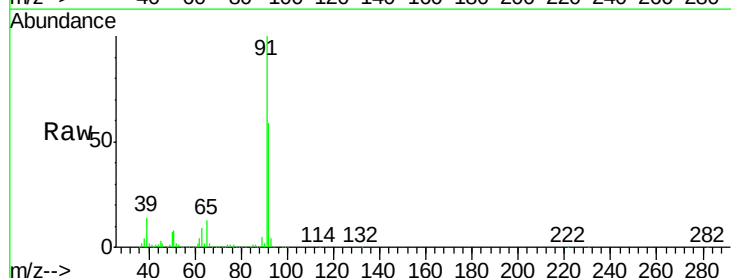
Acq: 18 Sep 2015 15:33

Tgt Ion: 92 Resp: 271665

Ion Ratio Lower Upper

92 100

91 169.8 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

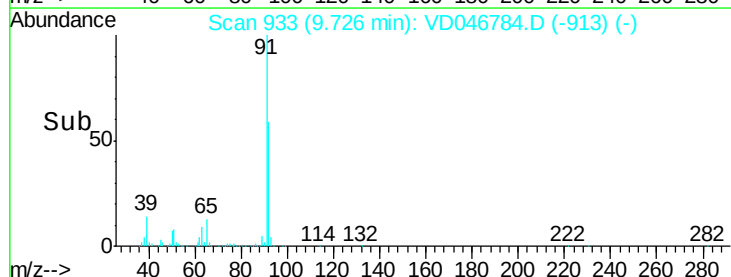
150000

100000

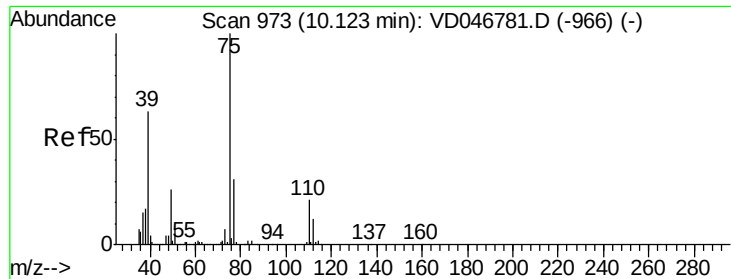
50000

0

Time-->



Time-->



#53

t-1,3-Dichloropropene

Concen: 52.13 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 75 Resp: 122185

Ion Ratio Lower Upper

75 100

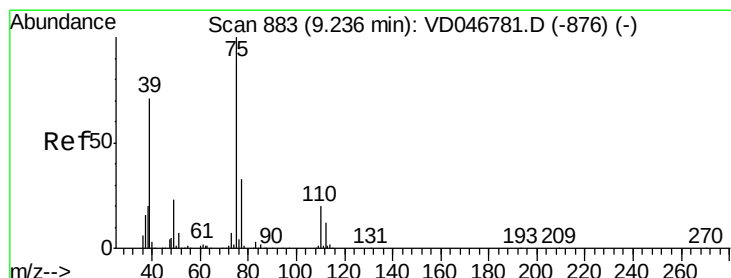
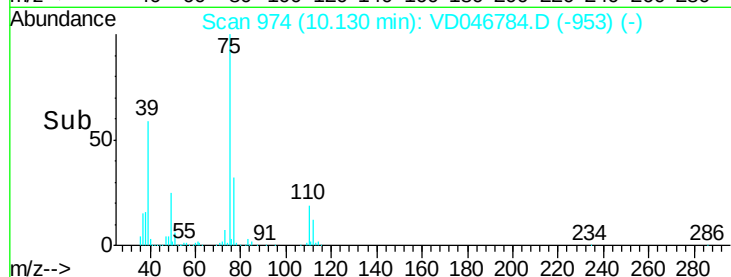
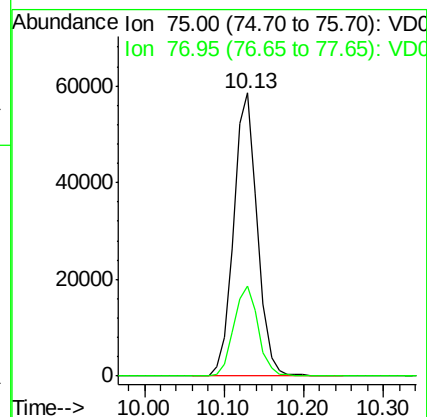
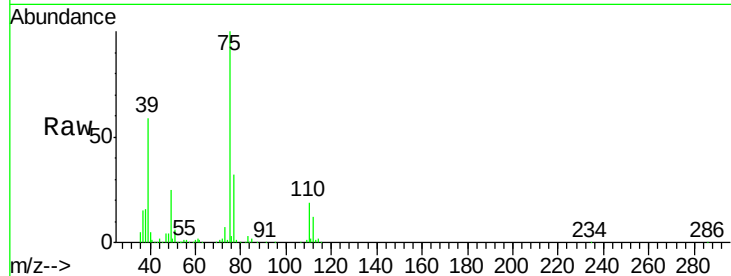
77 31.9 27.6 41.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.14 ug/l

RT: 9.23 min Scan# 883

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

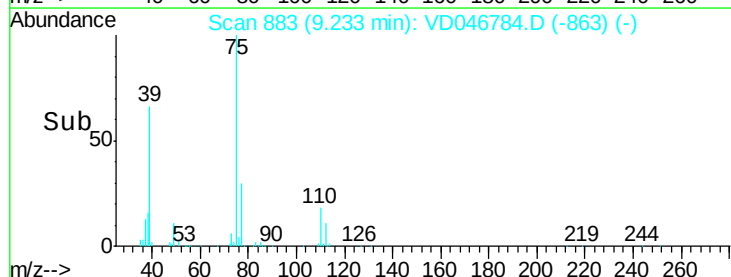
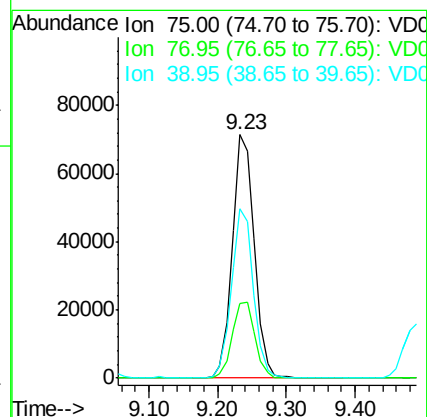
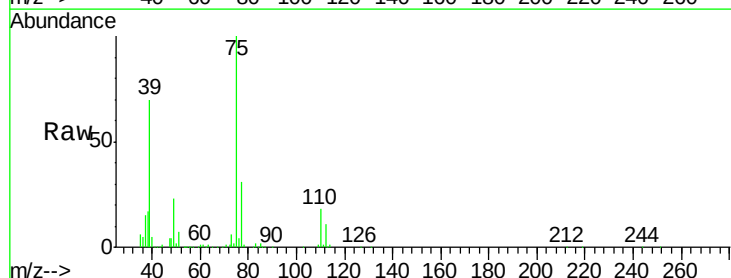
Tgt Ion: 75 Resp: 157374

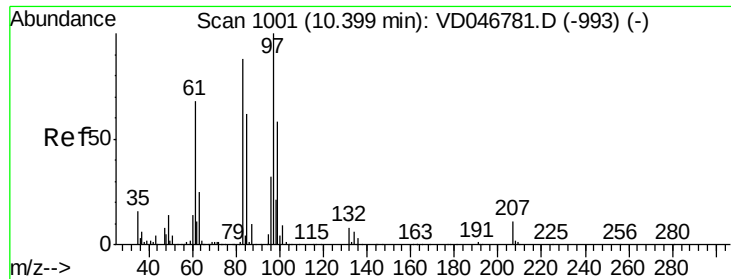
Ion Ratio Lower Upper

75 100

77 30.6 23.8 35.6

39 69.7 53.0 79.6





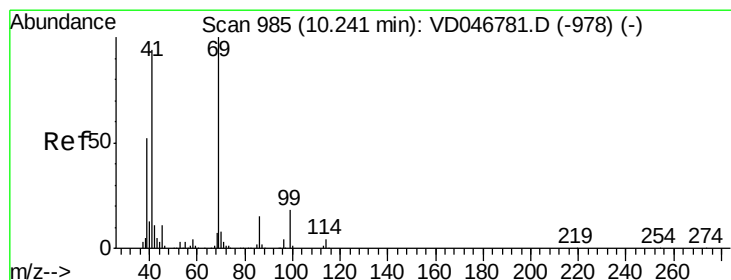
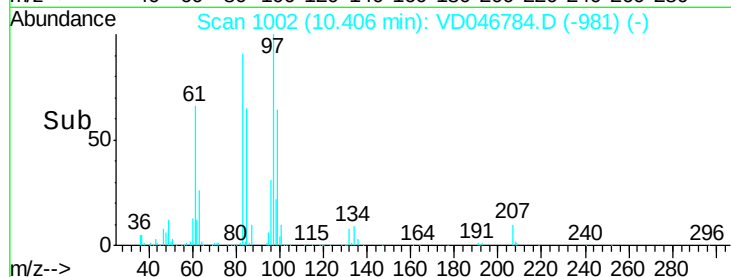
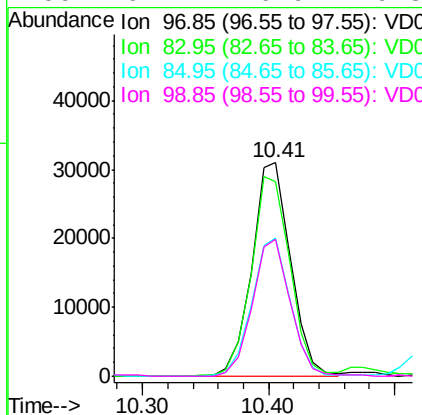
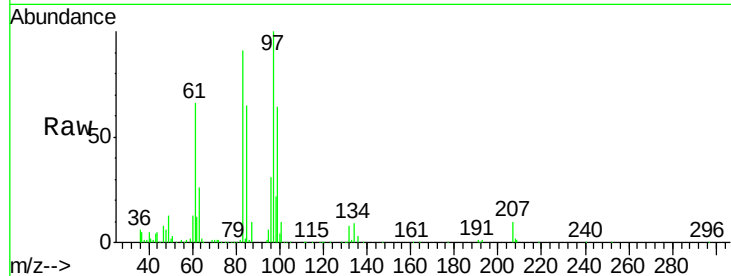
#55
 1,1,2-Trichloroethane
 Concen: 48.27 ug/l
 RT: 10.41 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.0	75.3	112.9
85	64.9	50.9	76.3
99	64.1	46.9	70.3

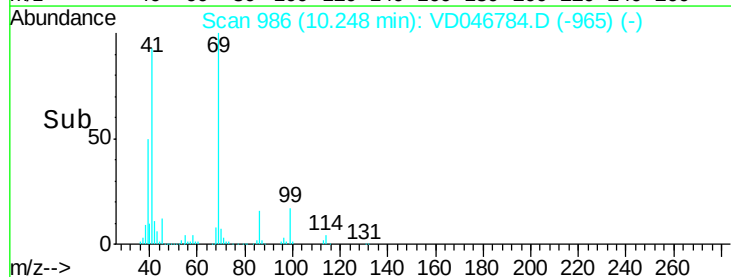
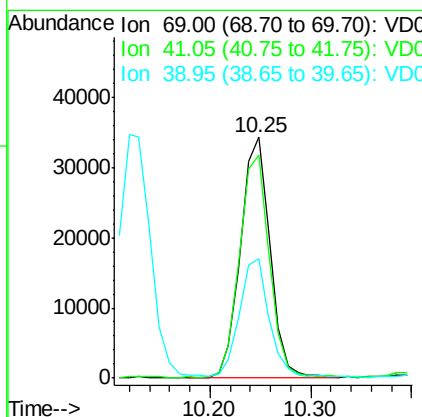
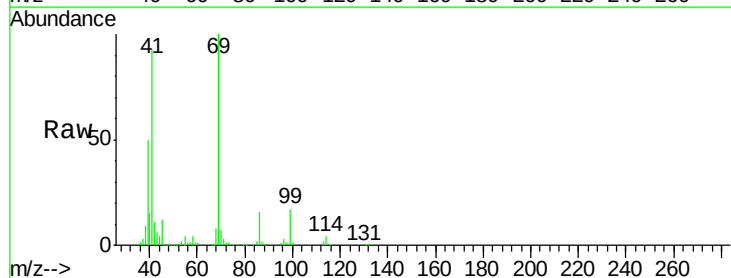
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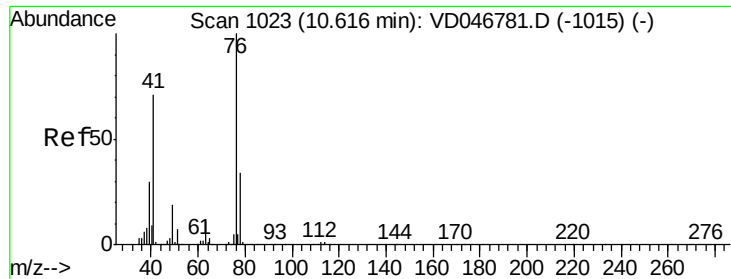
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#56
 Ethyl methacrylate
 Concen: 49.12 ug/l
 RT: 10.25 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

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





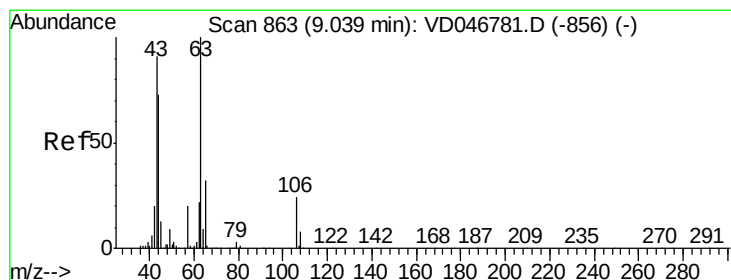
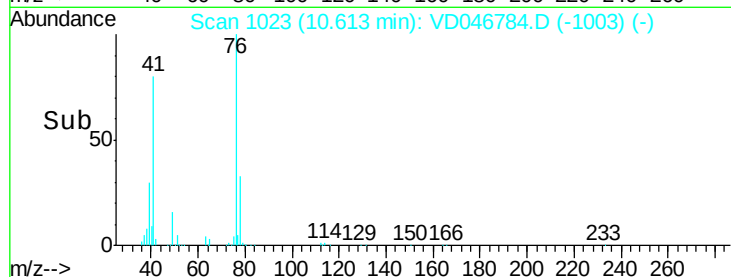
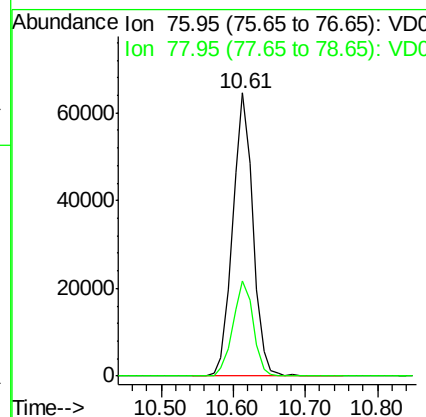
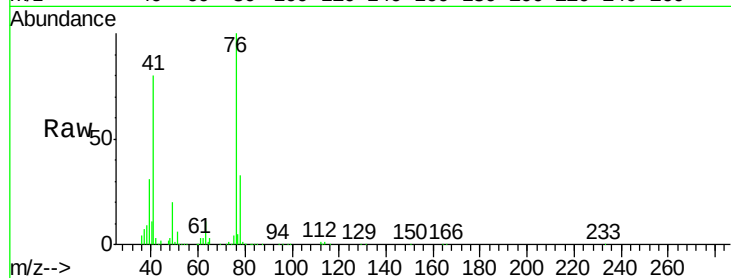
#57
 1,3-Dichloropropane
 Concen: 49.18 ug/l
 RT: 10.61 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.5	26.6	39.8

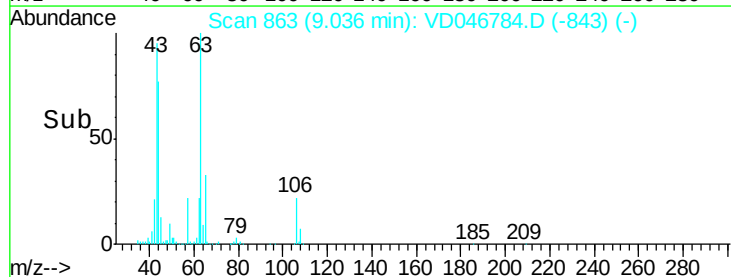
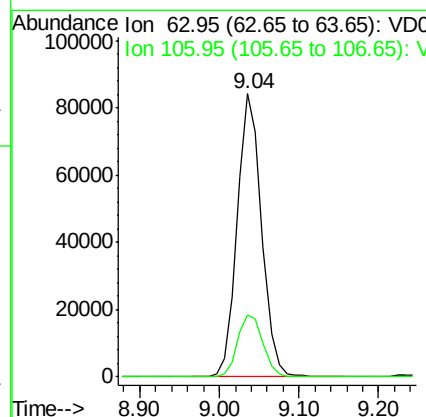
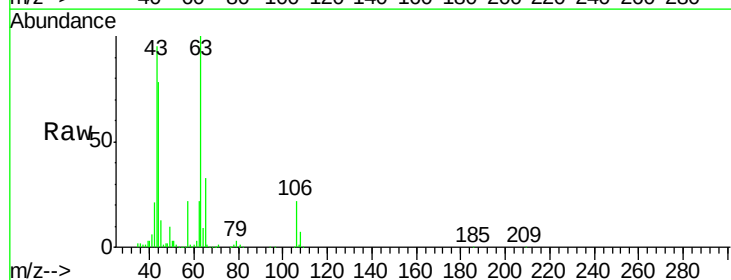
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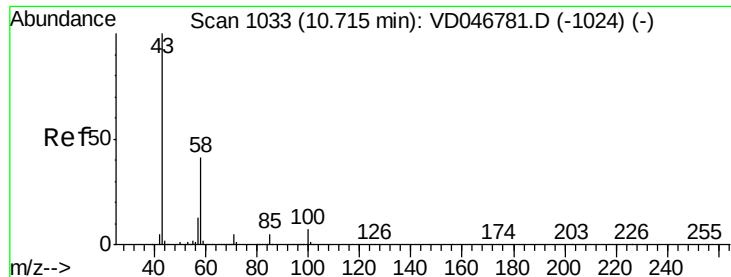
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#58
 2-Chloroethyl Vinyl ether
 Concen: 265.68 ug/l
 RT: 9.04 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	21.7	17.8	26.8





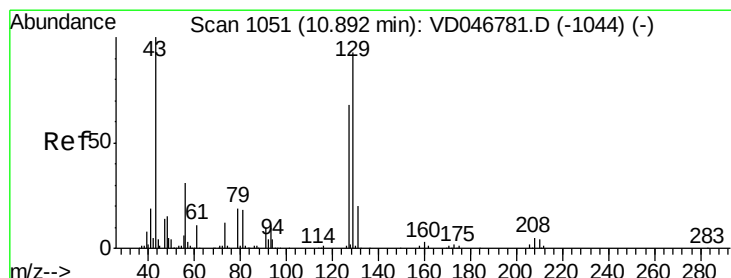
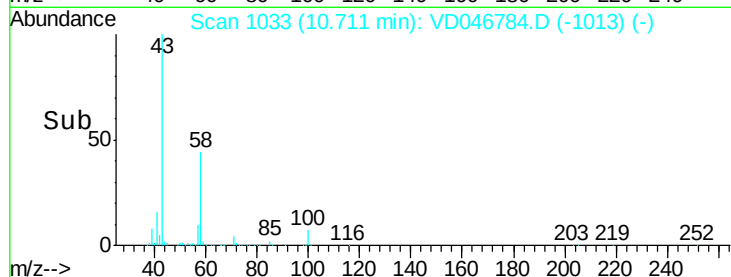
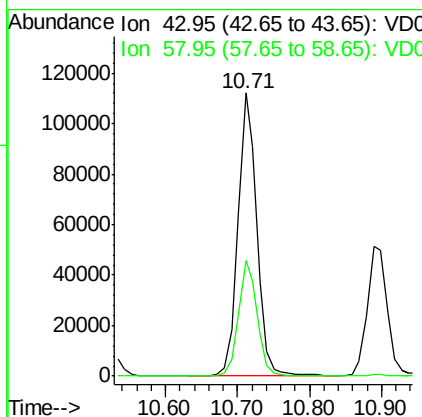
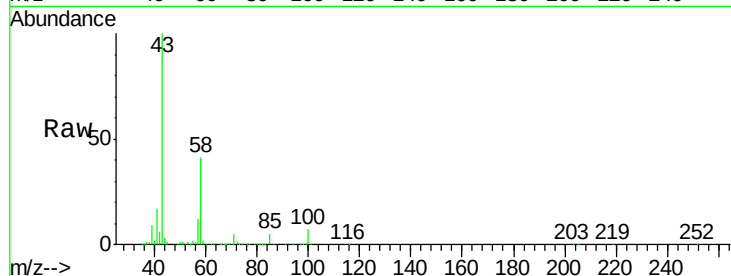
#59
2-Hexanone
Concen: 274.76 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

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

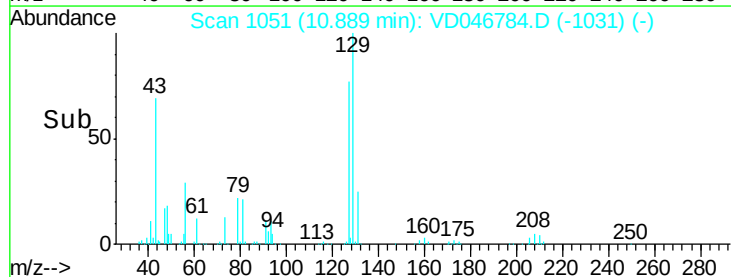
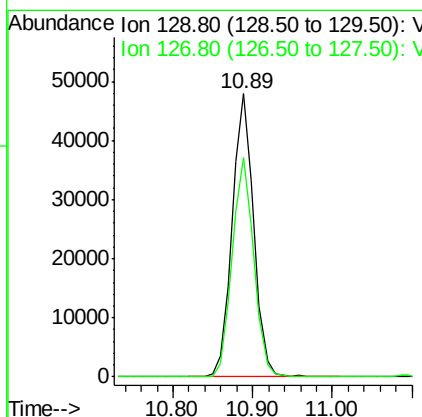
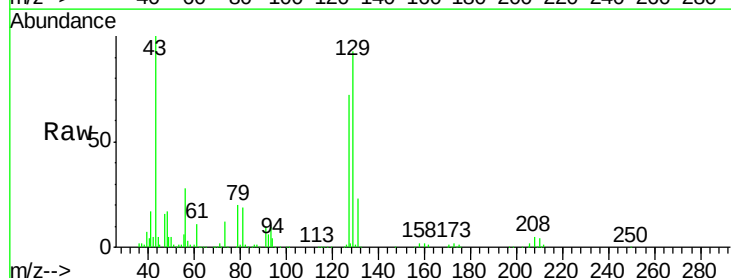
Manual Integrations
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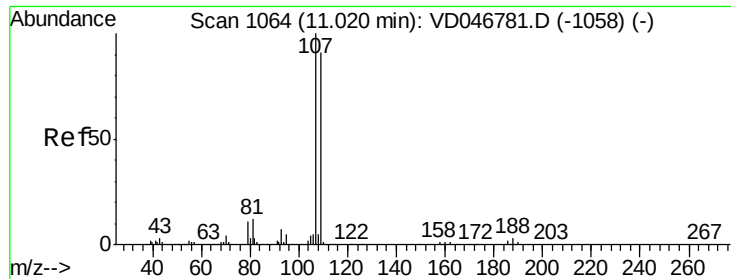
MMDadoda
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#60
Dibromochloromethane
Concen: 48.15 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

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





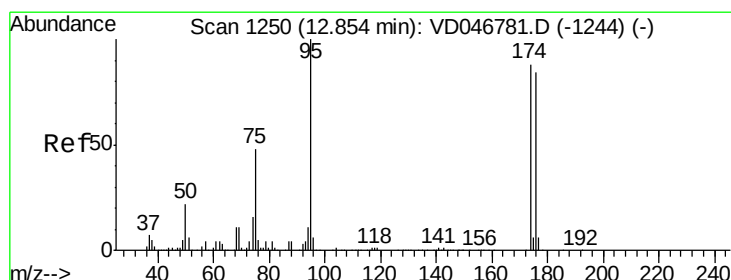
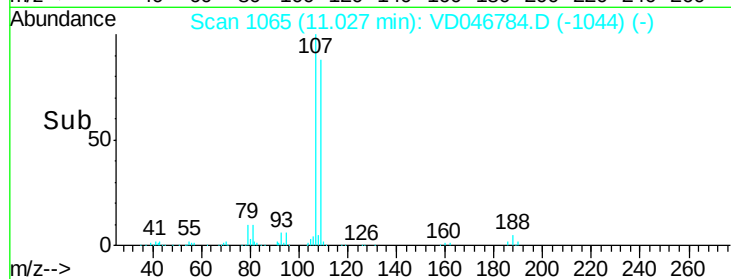
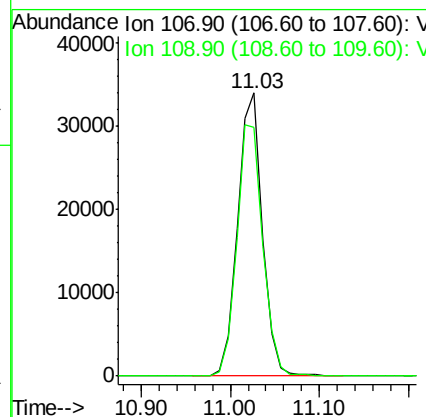
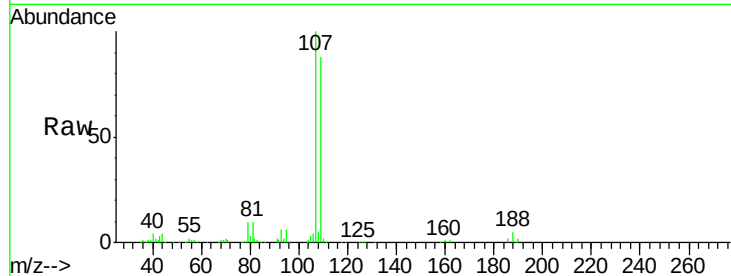
#61
 1,2-Dibromoethane
 Concen: 48.90 ug/l
 RT: 11.03 min Scan# 1065
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tgt Ion: 107 Resp: 66297
 Ion Ratio Lower Upper
 107 100
 109 88.1 71.4 107.0

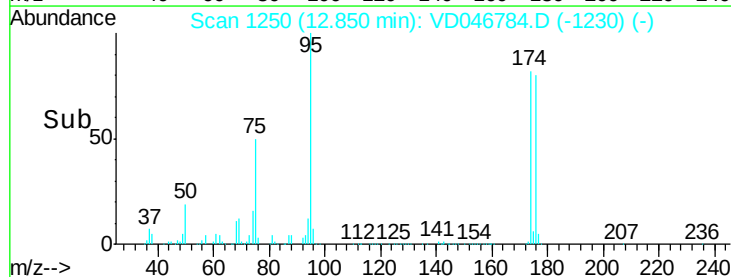
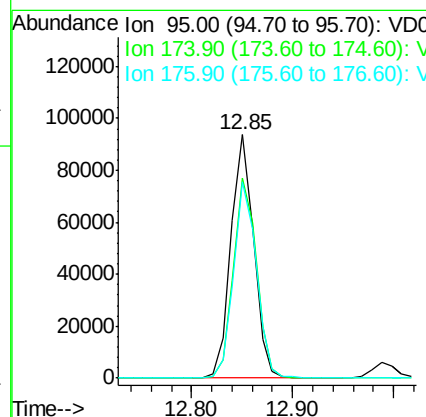
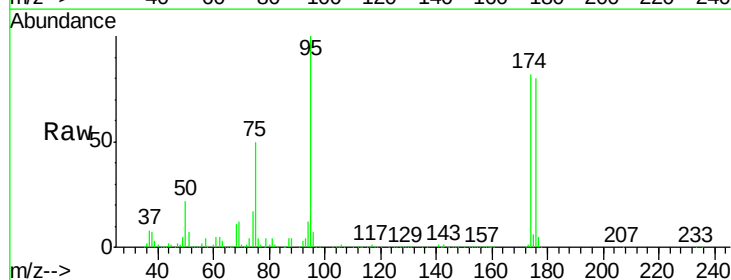
Manual Integrations
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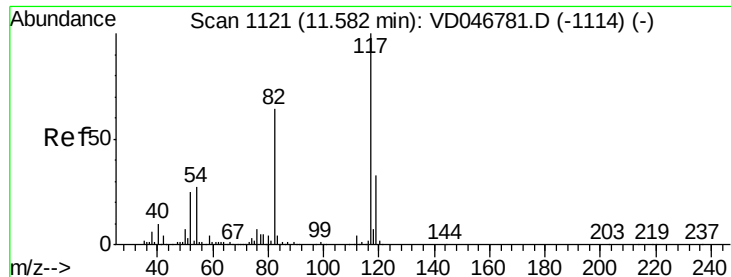
MMDadoda
 9/21/2015 11:39:03 AM



#62
 4-Bromofluorobenzene
 Concen: 48.90 ug/l
 RT: 12.85 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion: 95 Resp: 147623
 Ion Ratio Lower Upper
 95 100
 174 82.1 0.0 149.8
 176 80.5 0.0 143.4





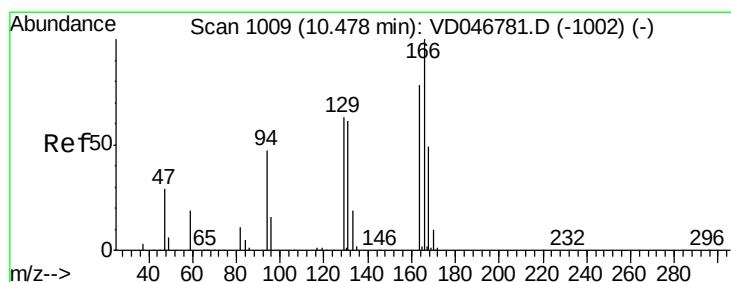
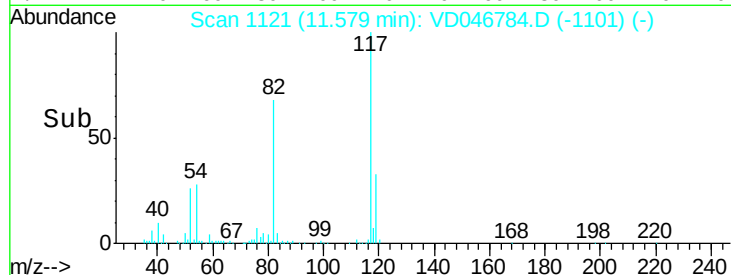
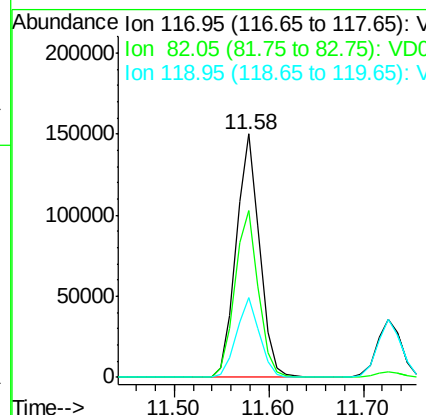
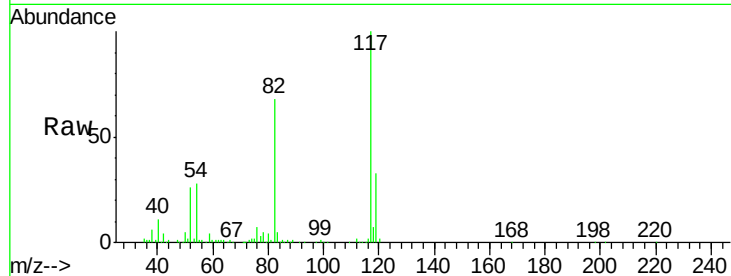
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

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

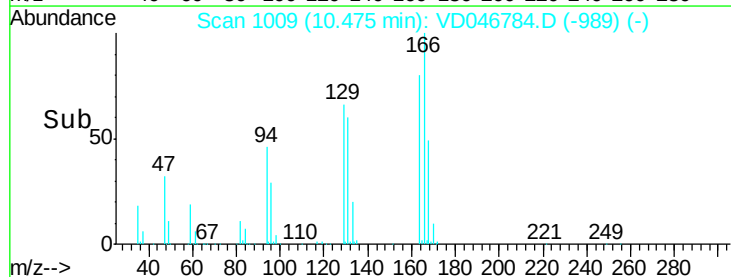
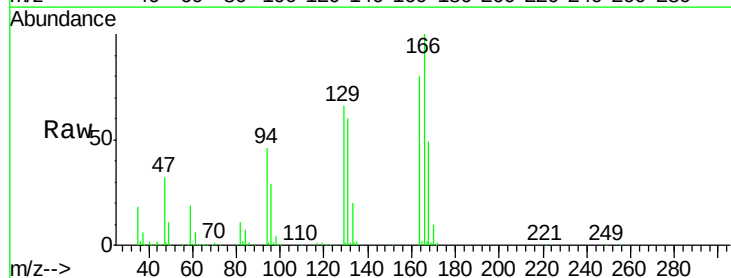
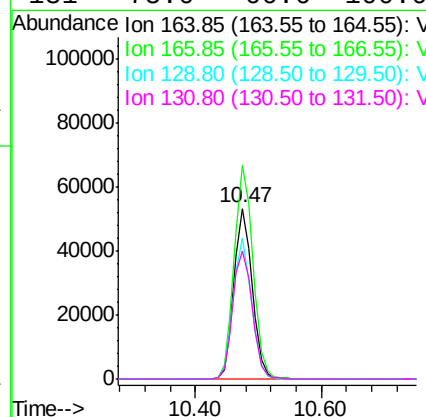
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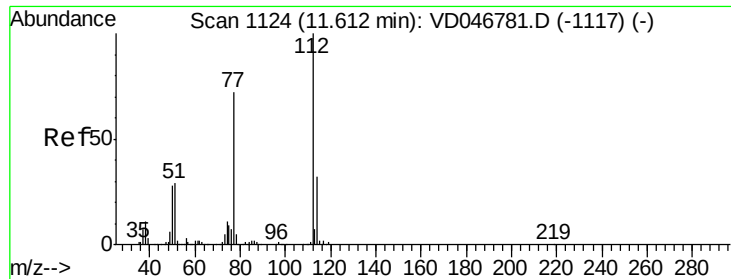
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#64
Tetrachloroethene
Concen: 51.21 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

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





#65

Chlorobenzene

Concen: 50.72 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion:112 Resp: 273861

Ion Ratio Lower Upper

112 100

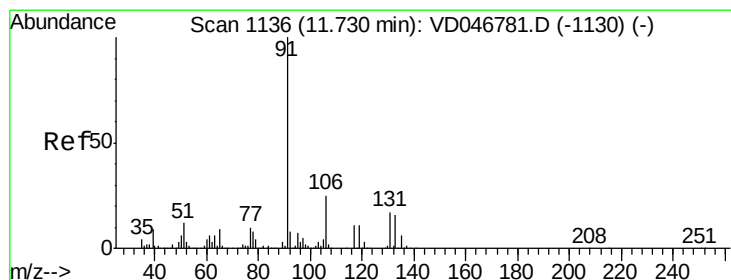
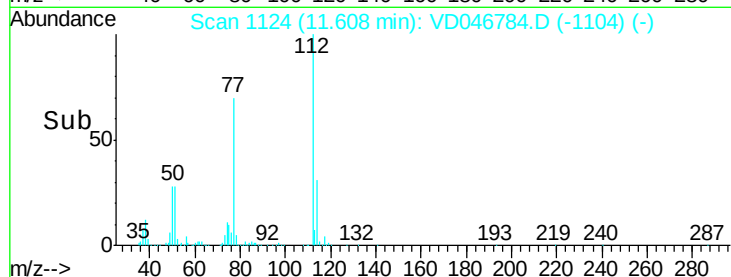
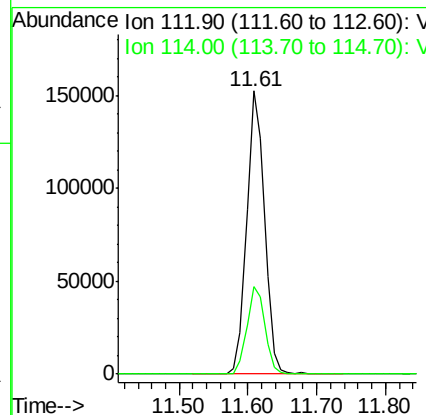
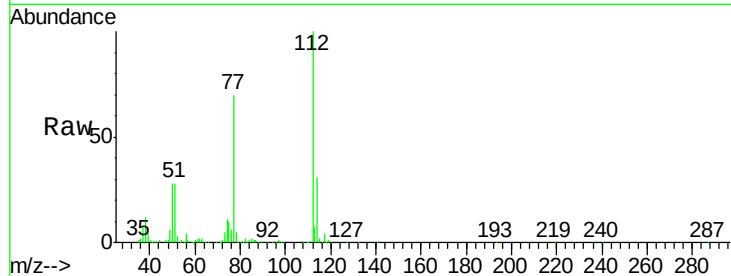
114 30.9 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.56 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

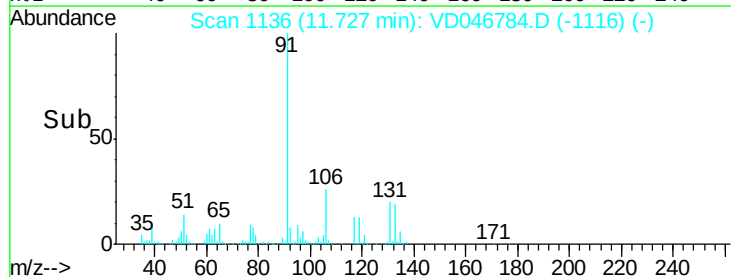
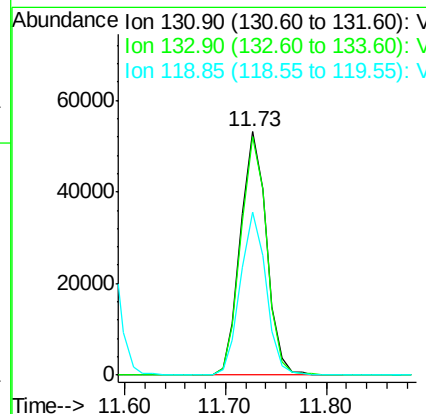
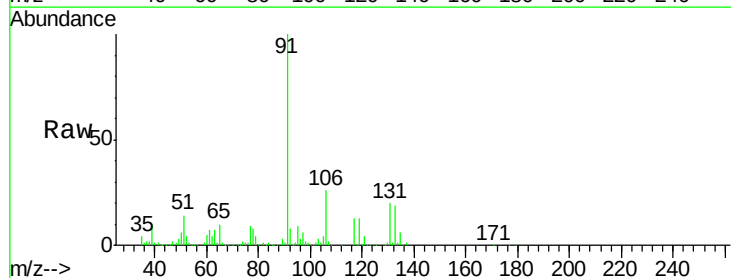
Tgt Ion:131 Resp: 96307

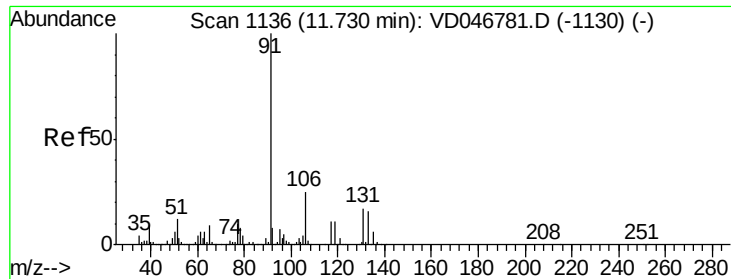
Ion Ratio Lower Upper

131 100

133 97.8 48.4 145.0

119 66.9 31.5 94.5





#67

Ethyl Benzene

Concen: 51.78 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 91 Resp: 561752

Ion Ratio Lower Upper

91 100

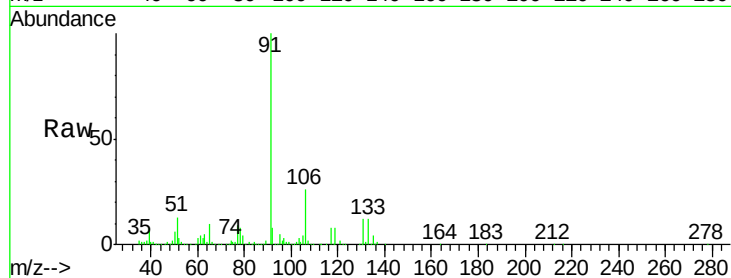
106 25.7 20.2 30.2

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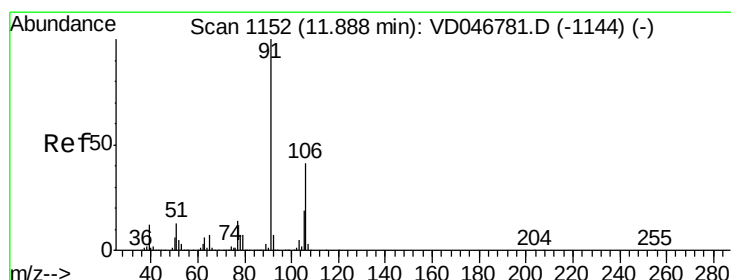
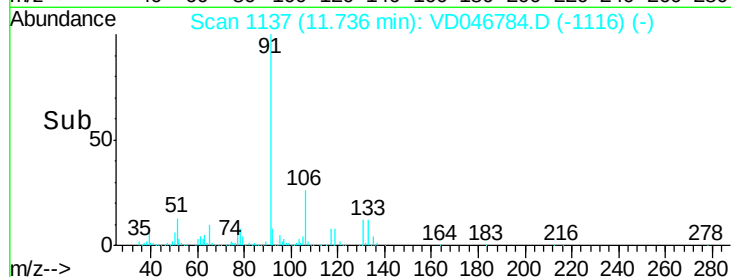
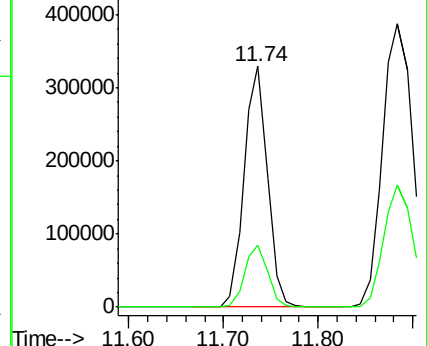
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 103.75 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VD046784.D

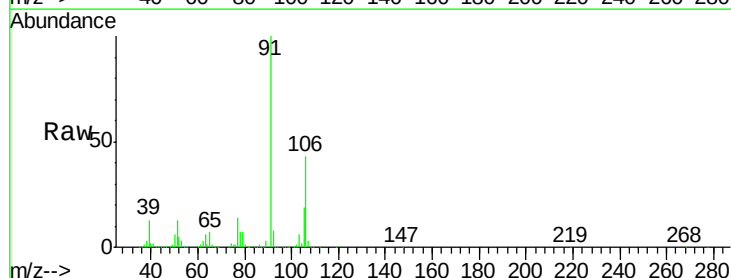
Acq: 18 Sep 2015 15:33

Tgt Ion: 106 Resp: 355052

Ion Ratio Lower Upper

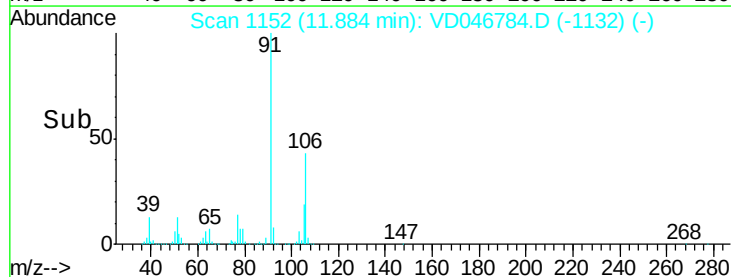
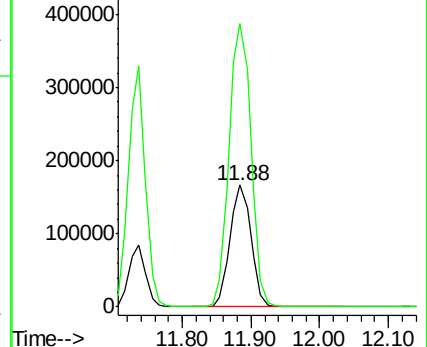
106 100

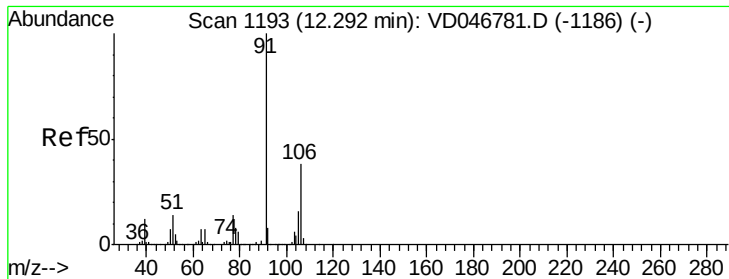
91 232.8 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





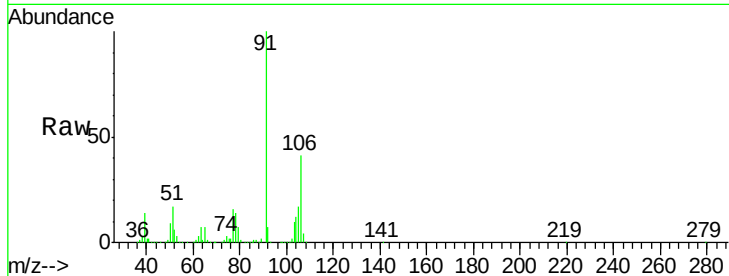
#69
o-Xylene
Concen: 53.46 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

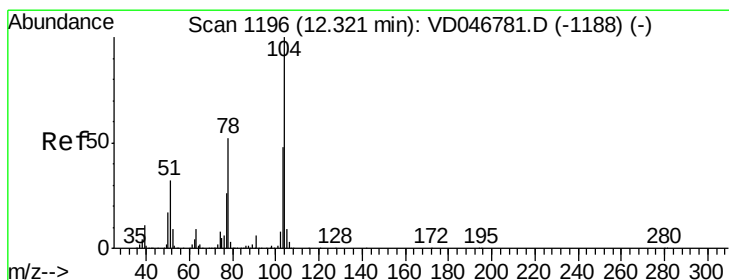
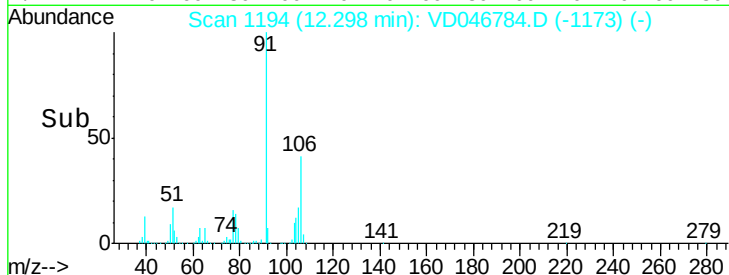
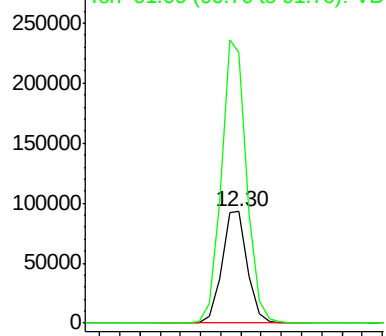
Tgt Ion:106 Resp: 164675
Ion Ratio Lower Upper
106 100
91 243.6 124.8 374.5

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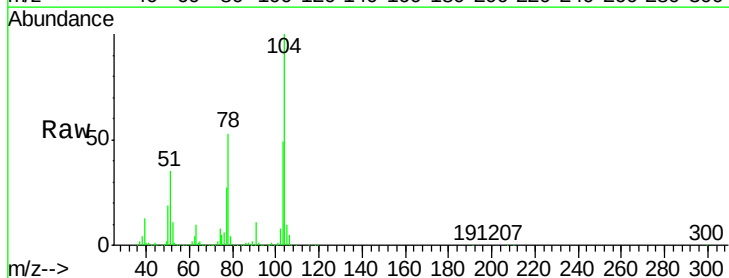


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

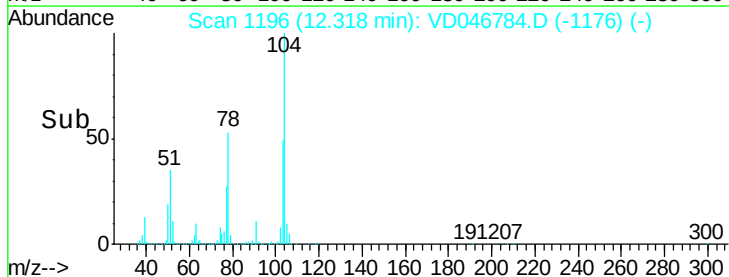
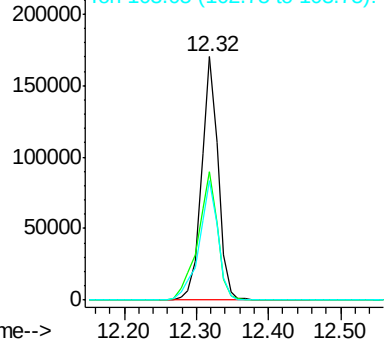


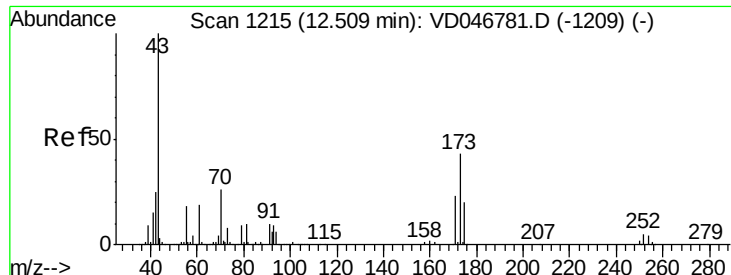
#70
Styrene
Concen: 51.00 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion:104 Resp: 272382
Ion Ratio Lower Upper
104 100
78 52.7 44.5 66.7
103 49.2 40.3 60.5



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





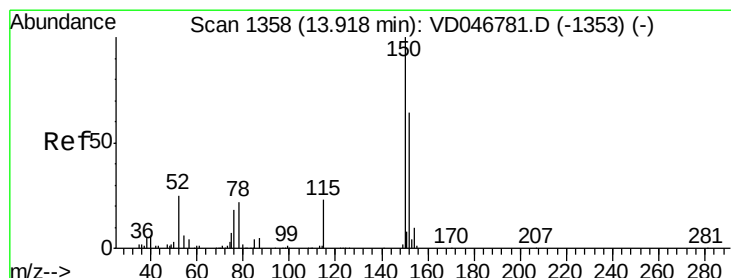
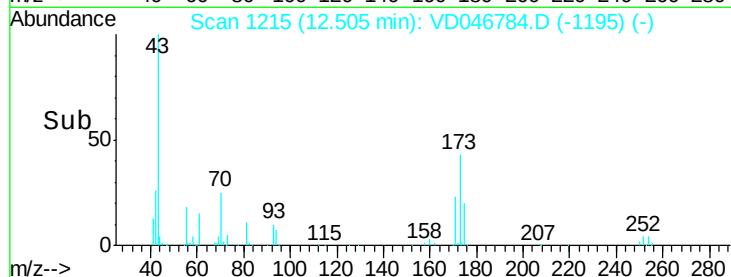
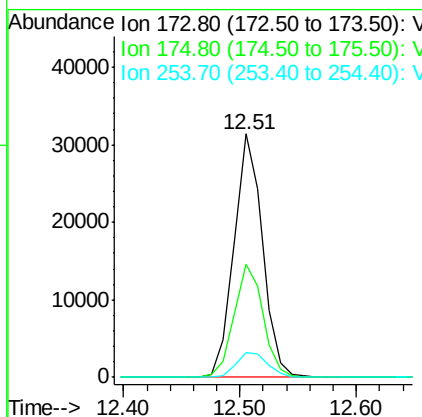
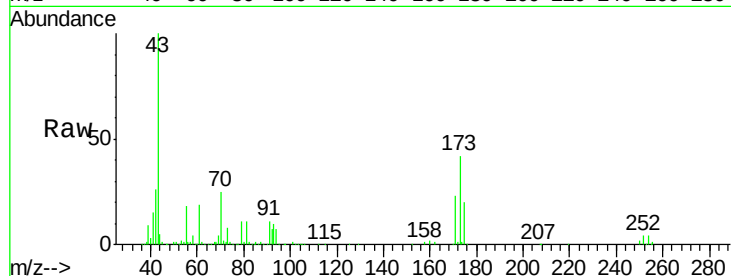
#71
Bromoform
Concen: 50.35 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.3	23.1	69.3
254	10.0	8.7	13.1

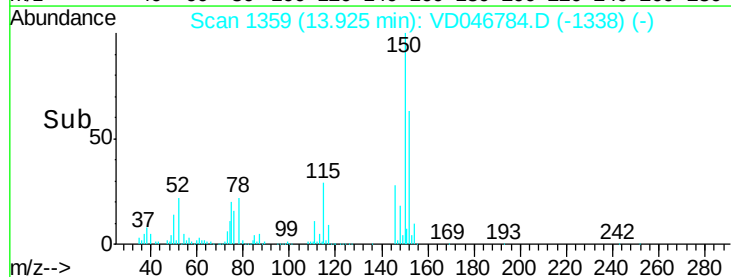
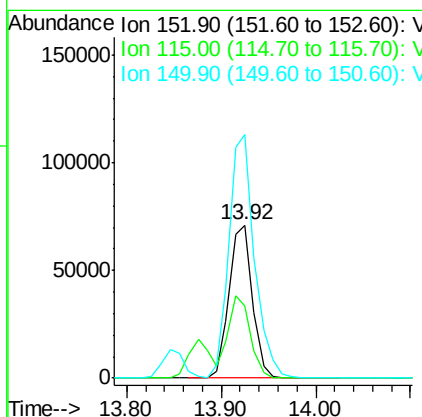
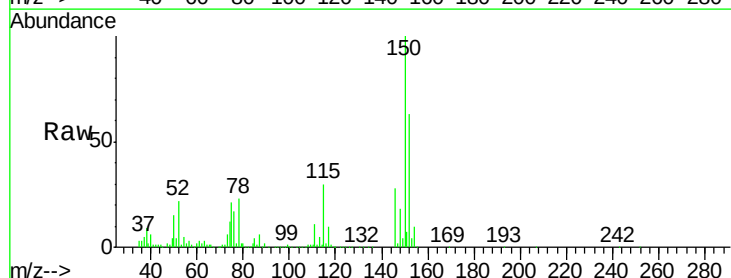
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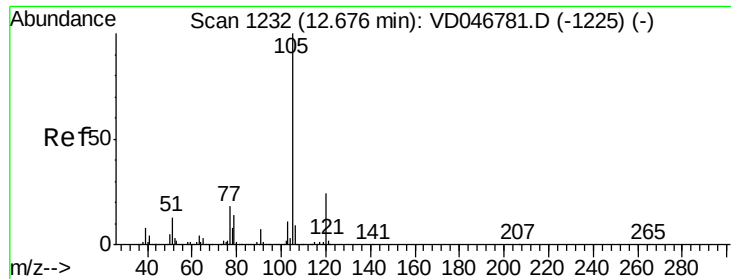
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

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





#73

Isopropylbenzene

Concen: 55.68 ug/l

RT: 12.67 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 105 Resp: 478390

Ion Ratio Lower Upper

105 100

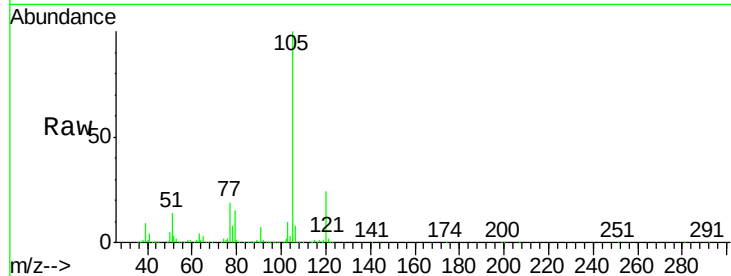
120 23.8 12.4 37.4

Manual Integrations

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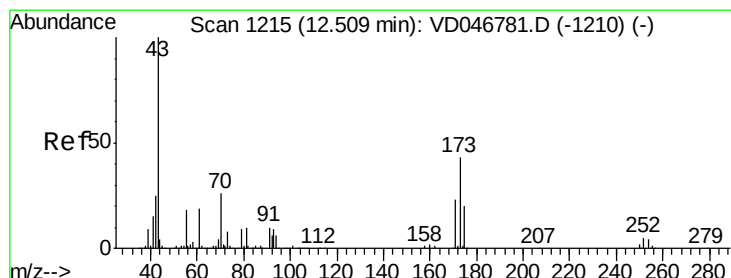
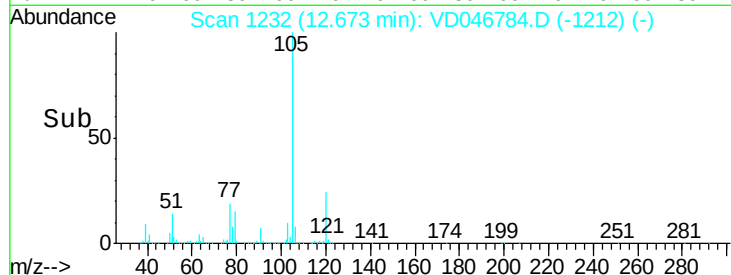
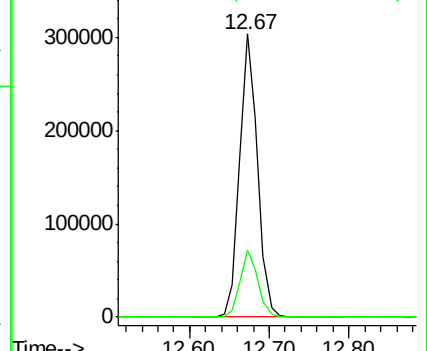
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.38 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Tgt Ion: 43 Resp: 116085

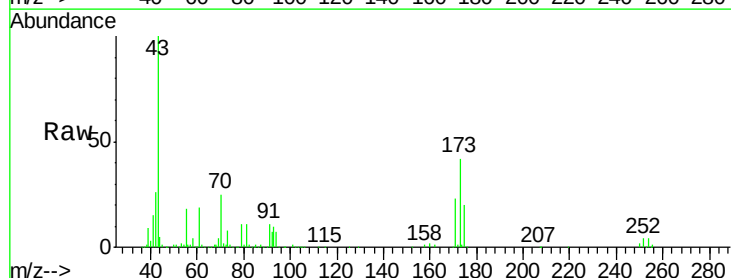
Ion Ratio Lower Upper

43 100

70 25.0 22.1 33.1

55 17.9 14.5 21.7

61 19.2 14.6 21.8

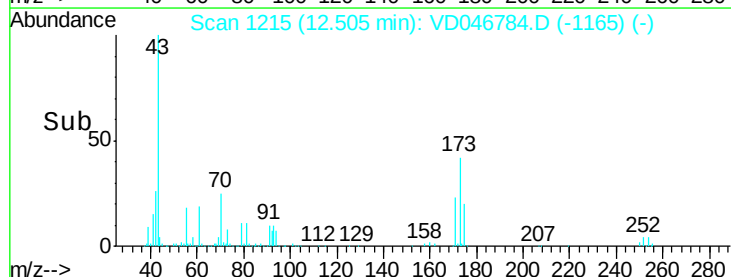
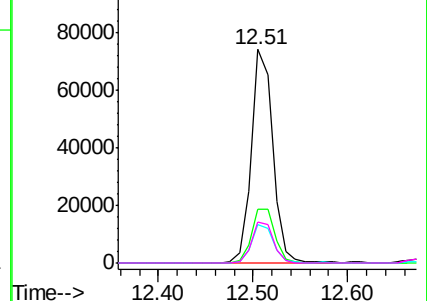


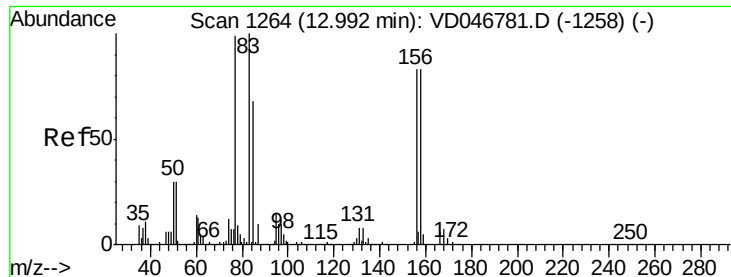
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.74 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion: 83 Resp: 70342
Ion Ratio Lower Upper

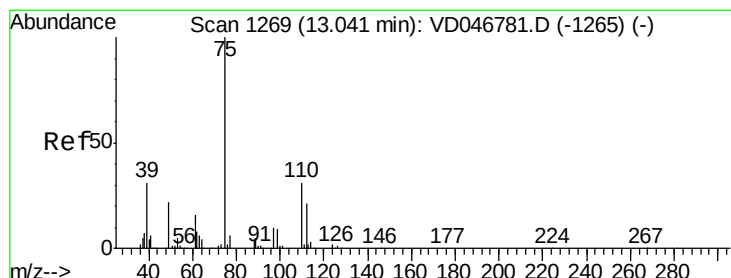
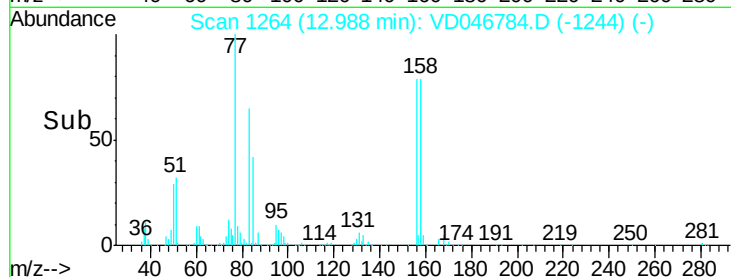
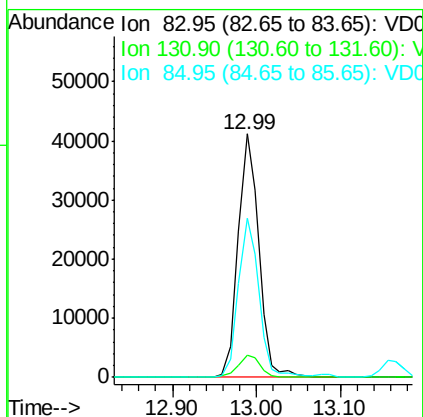
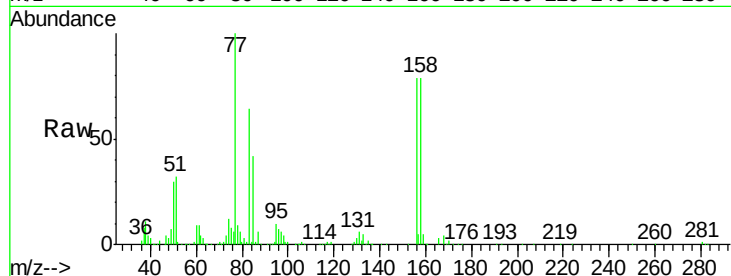
83 100

131 9.2 3.9 11.7

85 65.2 30.5 91.5

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#76

1,2,3-Trichloropropane

Concen: 54.71 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. -0.00 min

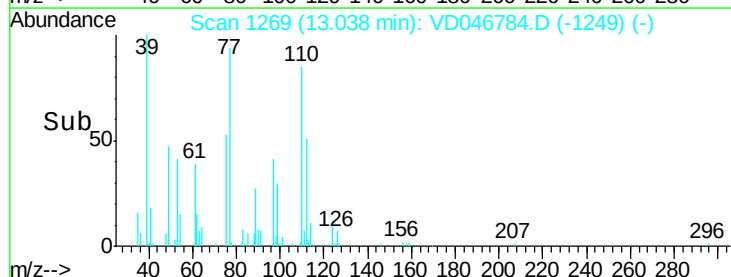
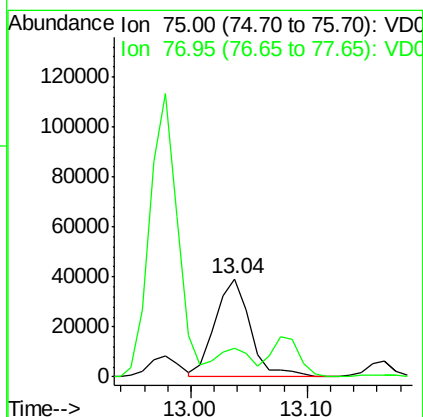
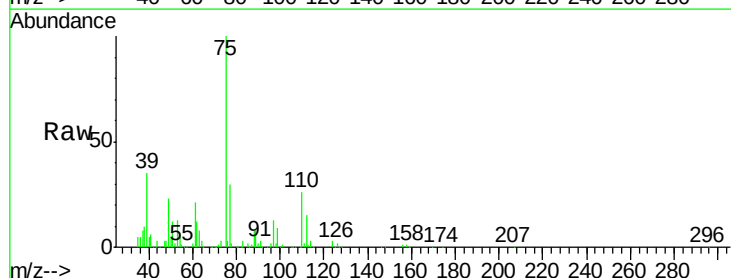
Lab File: VD046784.D

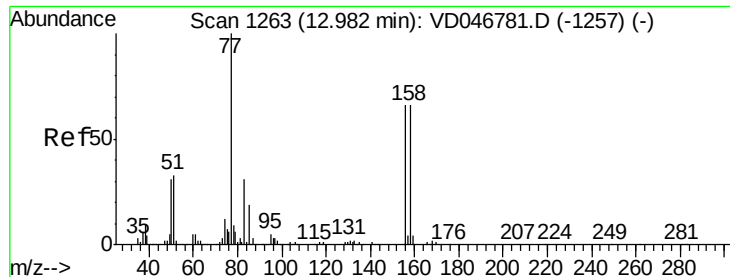
Acq: 18 Sep 2015 15:33

Tgt Ion: 75 Resp: 81143
Ion Ratio Lower Upper

75 100

77 29.7 16.0 48.0





#77

Bromobenzene

Concen: 53.51 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

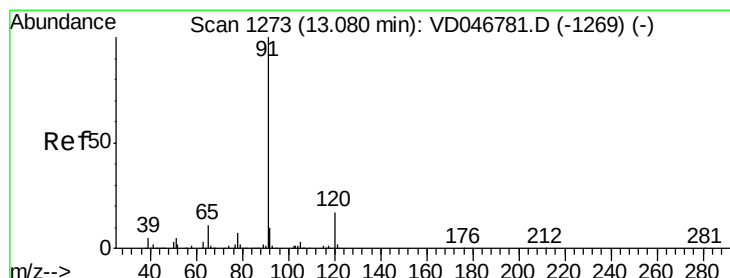
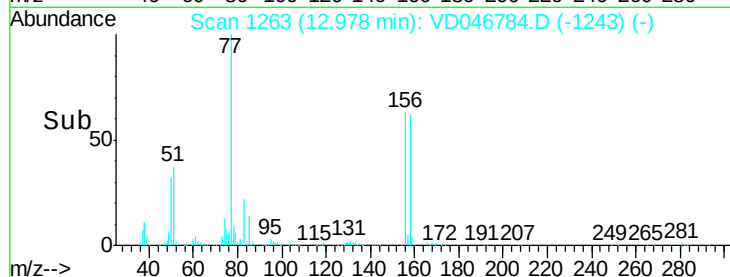
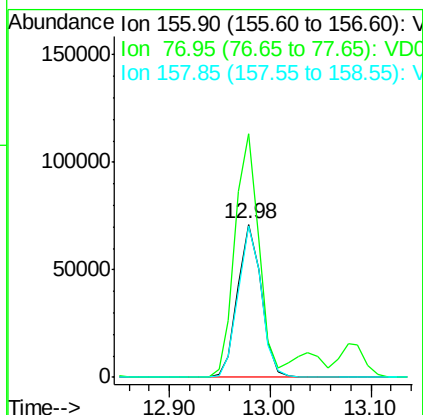
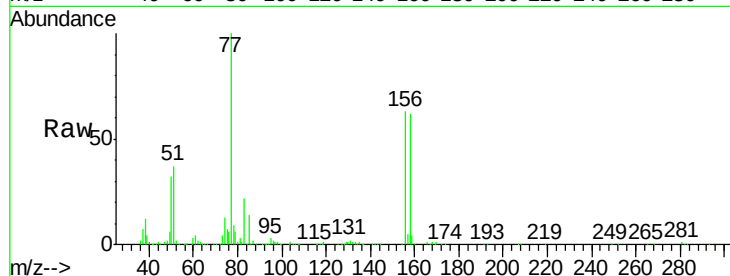
ClientSampleId :

ICVVD091815

Tgt Ion:	156	Resp:	115605
Ion Ratio	Lower	Upper	
156	100		
77	158.9	70.3	210.8
158	98.5	49.0	147.0

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#78

n-propylbenzene

Concen: 53.26 ug/l

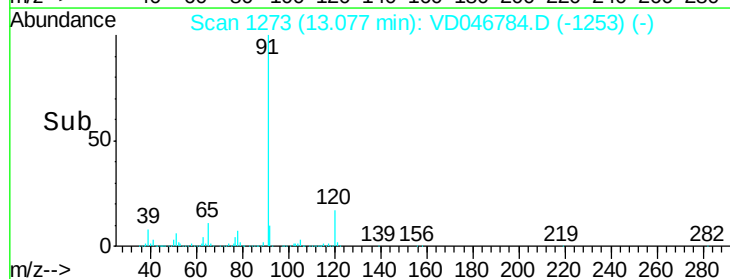
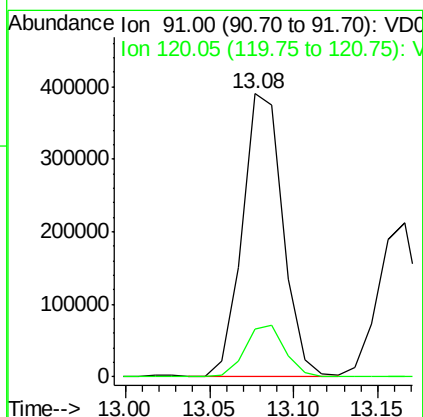
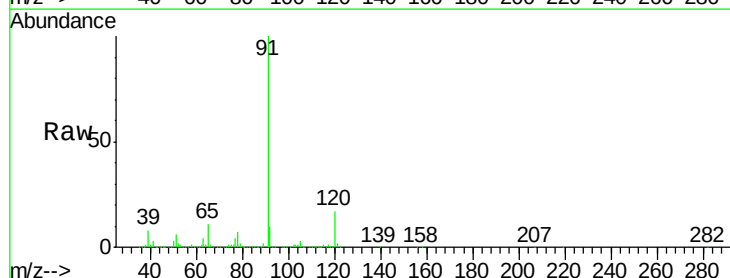
RT: 13.08 min Scan# 1273

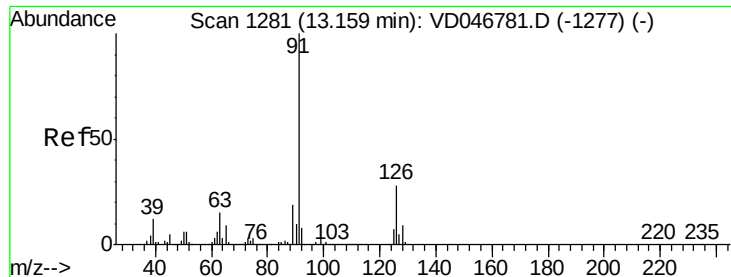
Delta R.T. -0.00 min

Lab File: VD046784.D

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Tgt Ion:	91	Resp:	646140
Ion Ratio	Lower	Upper	
91	100		
120	17.0	9.3	27.7





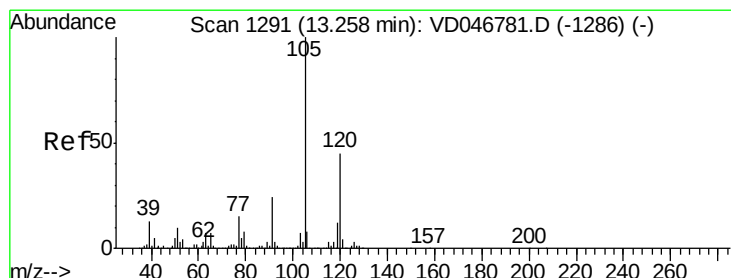
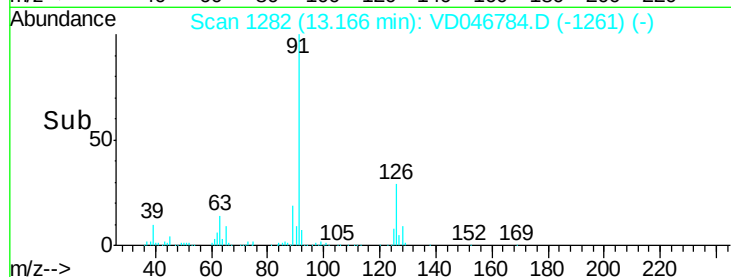
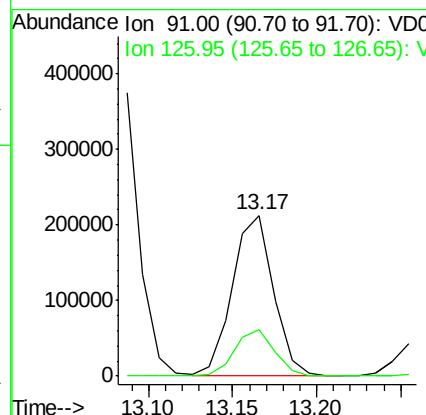
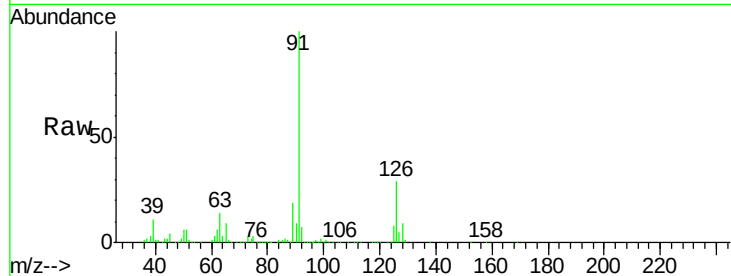
#79
 2-Chlorotoluene
 Concen: 53.15 ug/l
 RT: 13.17 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

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

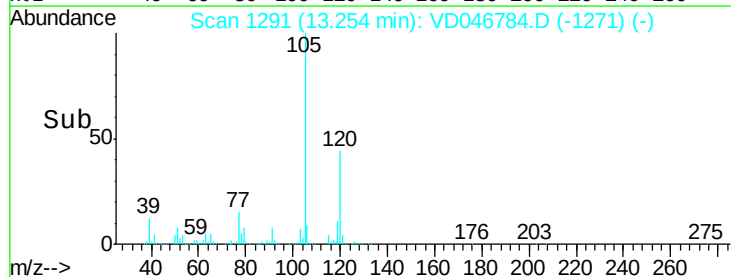
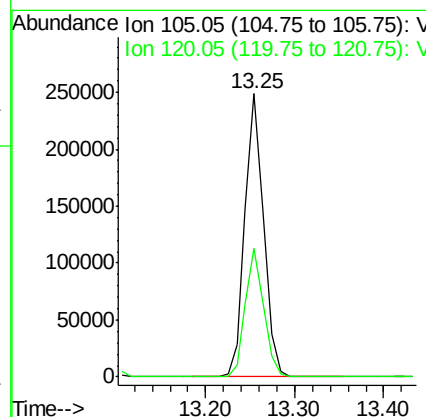
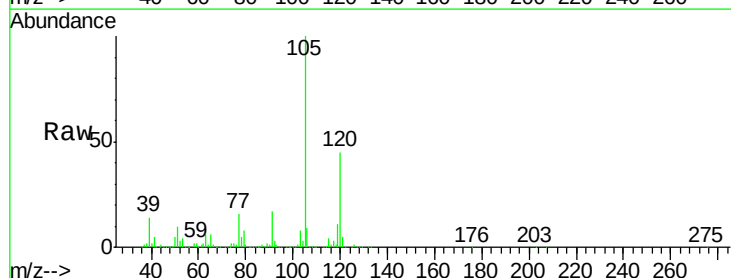
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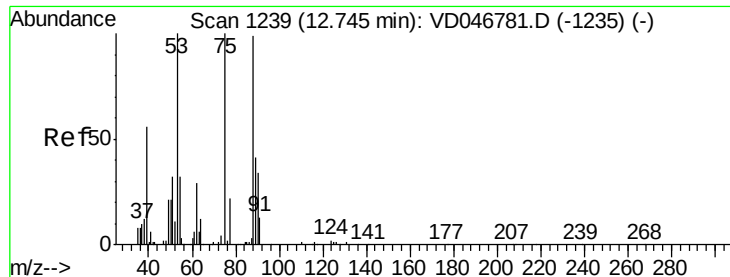
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.43 ug/l
 RT: 13.25 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

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





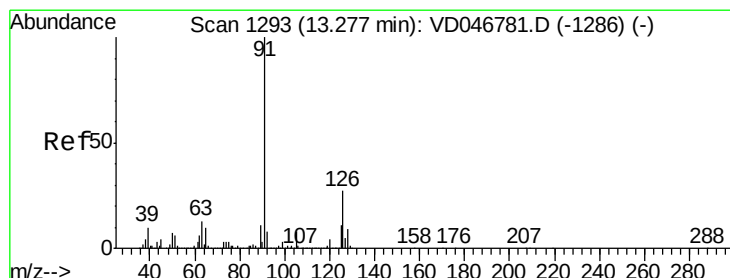
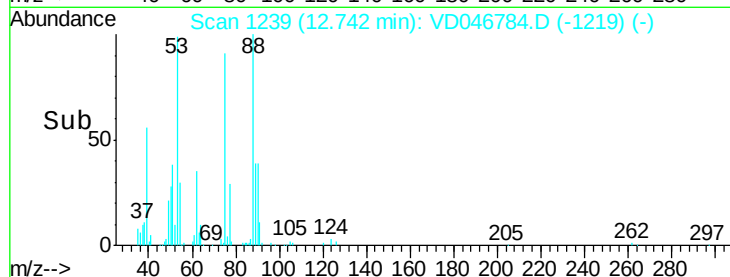
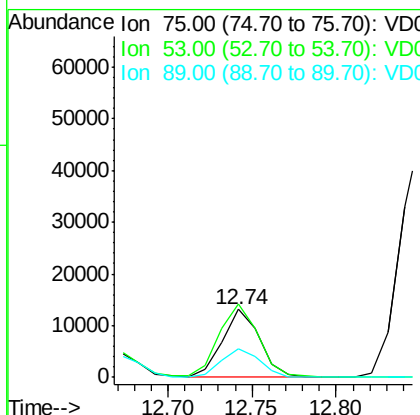
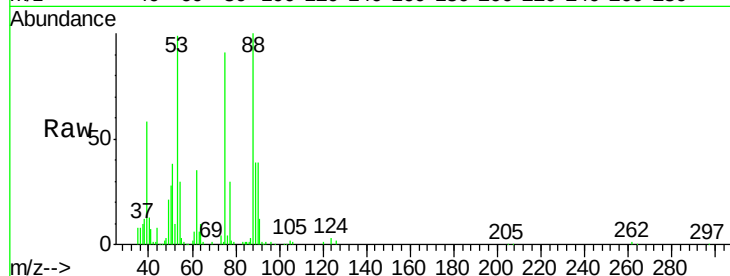
#81
trans-1,4-Dichloro-2-butene
Concen: 49.71 ug/l
RT: 12.74 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
75	100		
53	108.6	82.3	123.5
89	42.7	36.6	54.8

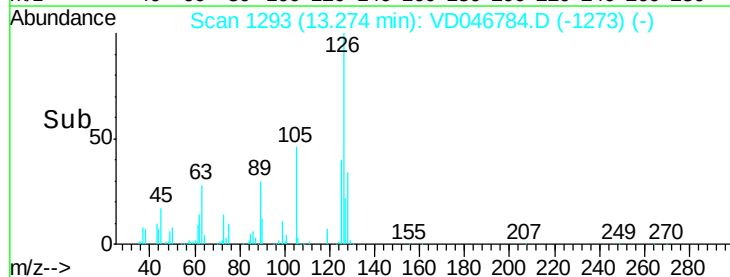
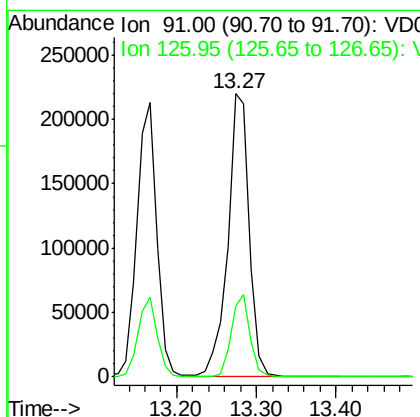
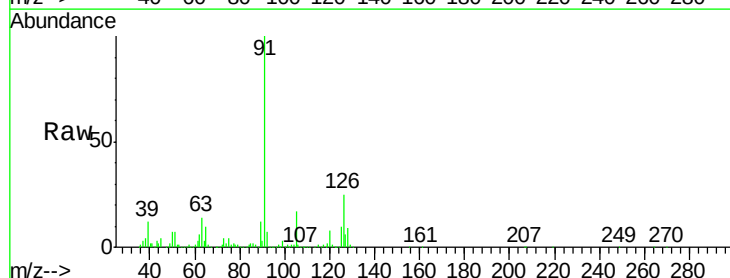
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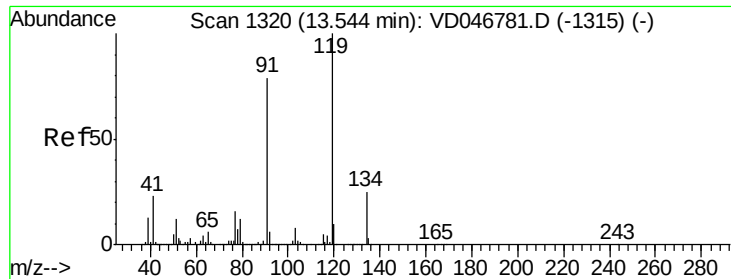
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#82
4-Chlorotoluene
Concen: 51.69 ug/l
RT: 13.27 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	25.2	14.1	42.4





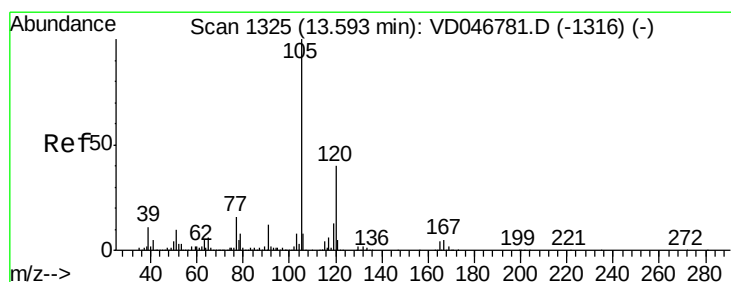
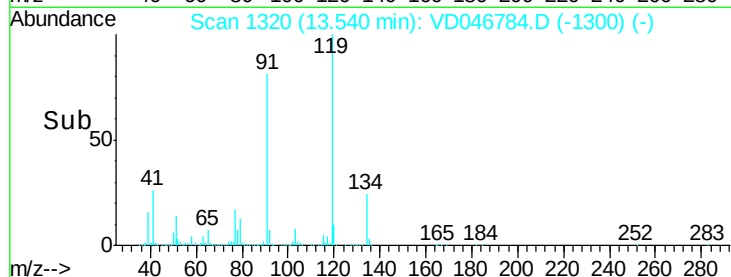
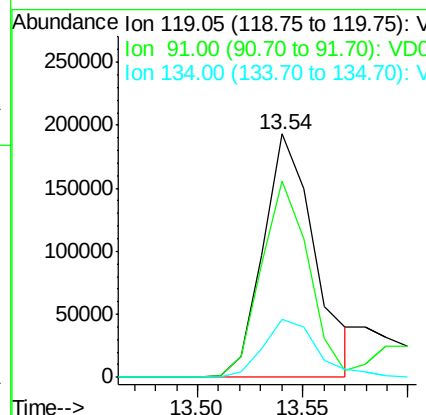
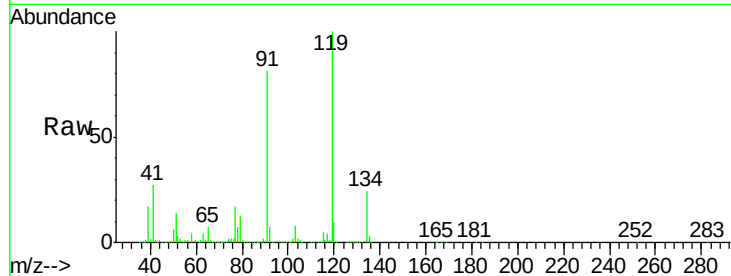
#83
 tert-Butylbenzene
 Concen: 53.06 ug/l m
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tgt Ion	Ratio	Lower	Upper
119	100		
91	80.8	41.6	124.9
134	24.0	12.4	37.4

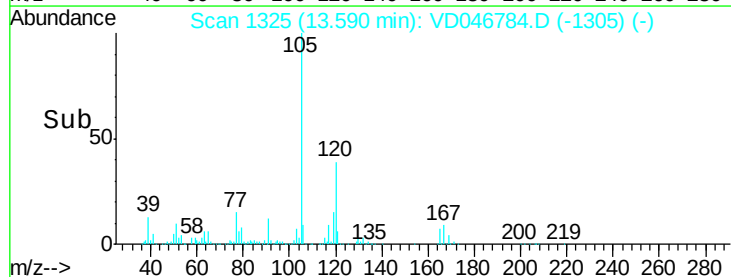
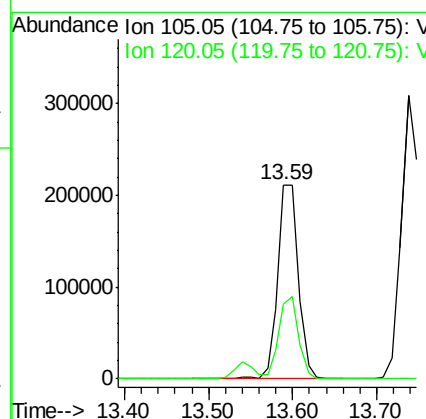
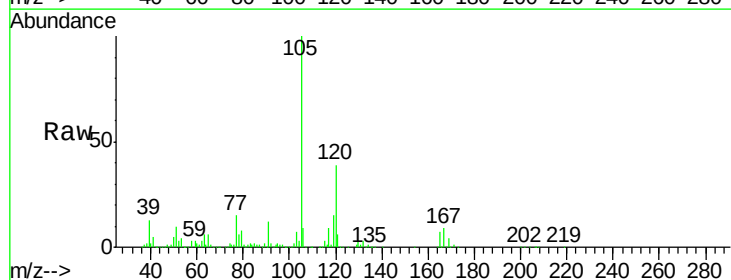
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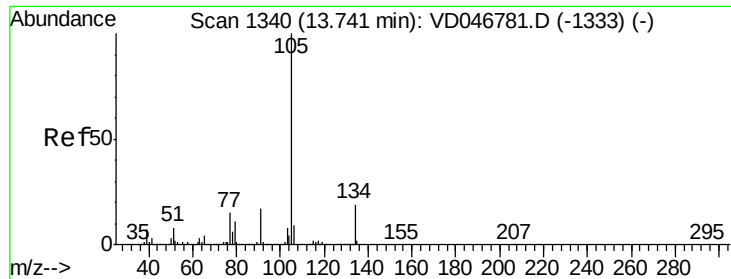
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.06 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.6	21.1	63.1





#85

sec-Butylbenzene

Concen: 52.52 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091815

Tgt Ion:105 Resp: 476478

Ion Ratio Lower Upper

105 100

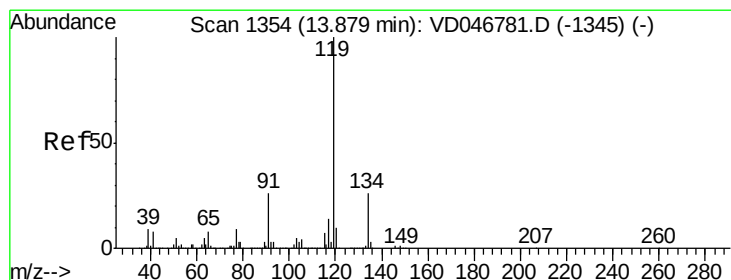
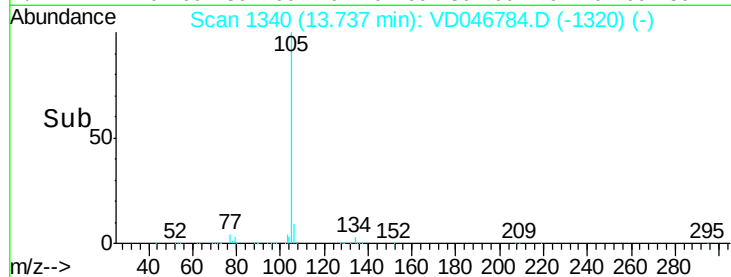
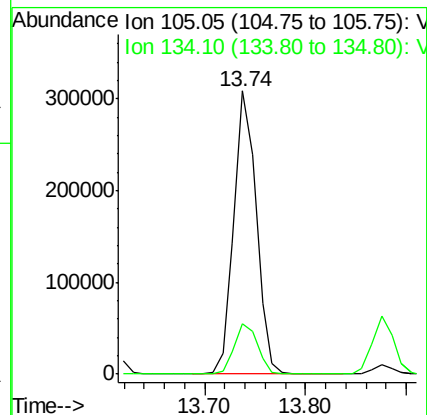
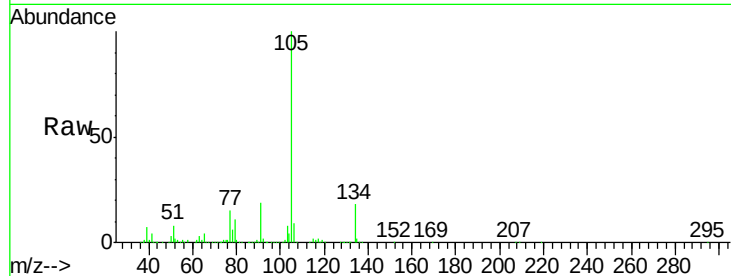
134 17.8 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 51.82 ug/l

RT: 13.88 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VD046784.D

Acq: 18 Sep 2015 15:33

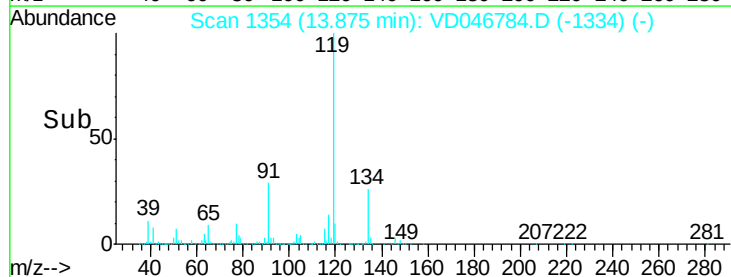
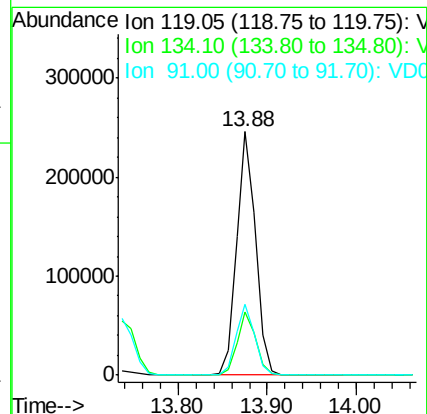
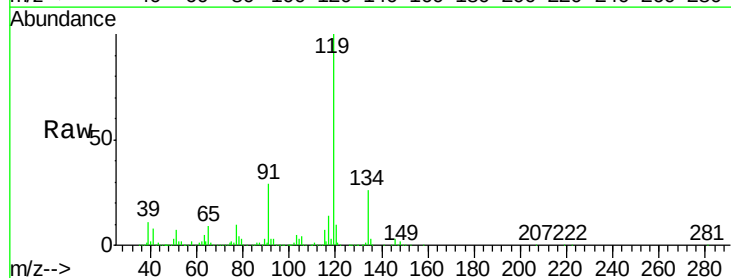
Tgt Ion:119 Resp: 369569

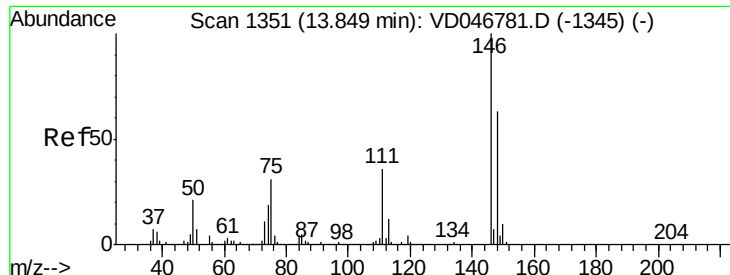
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 29.3 13.8 41.3





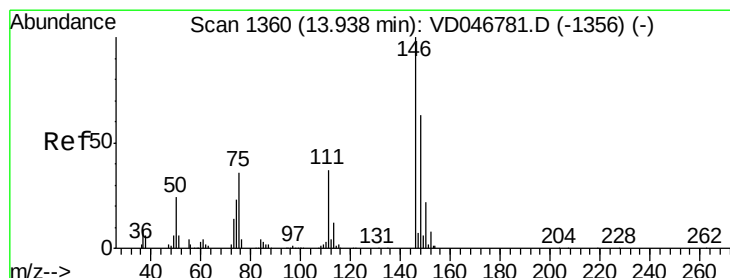
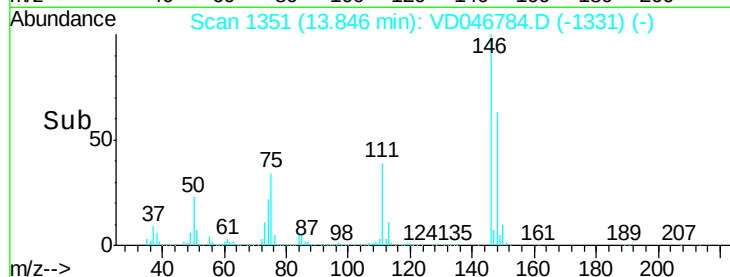
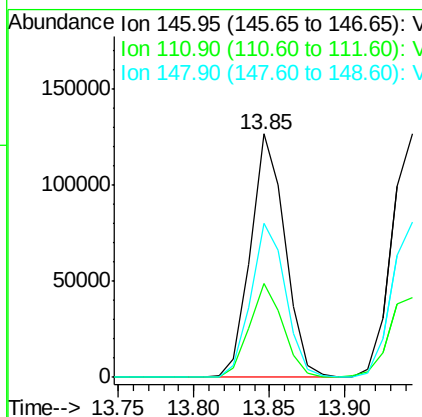
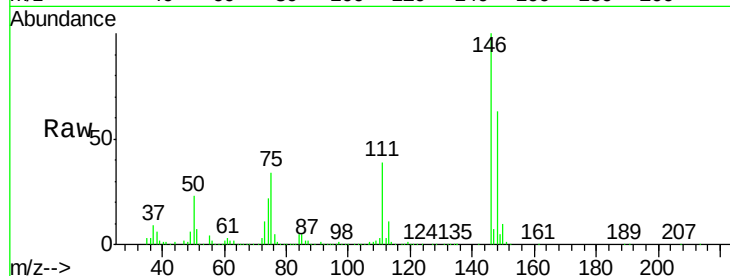
#87
 1,3-Dichlorobenzene
 Concen: 50.13 ug/l
 RT: 13.85 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

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

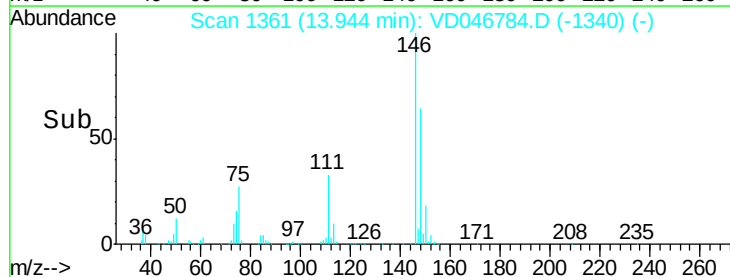
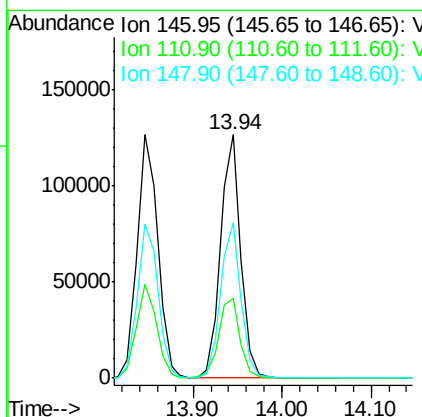
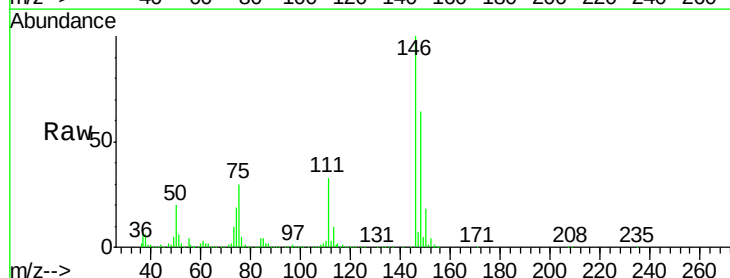
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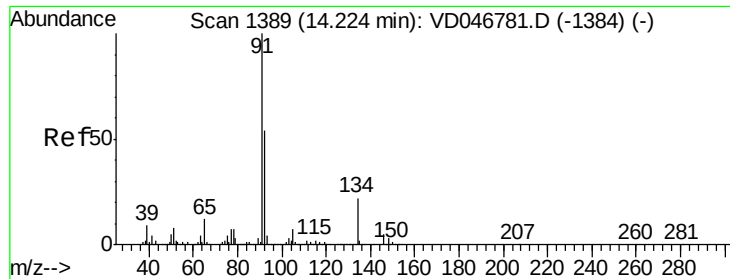
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#88
 1,4-Dichlorobenzene
 Concen: 50.37 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

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





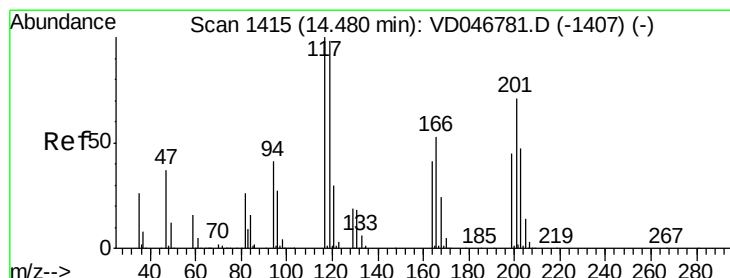
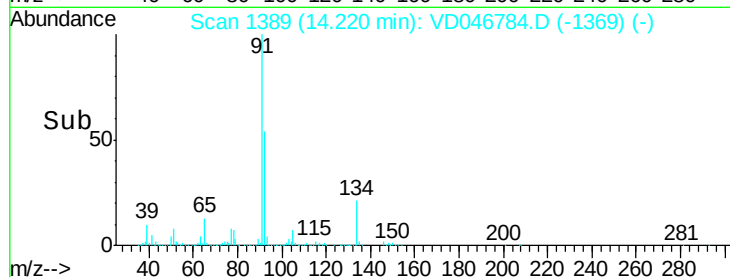
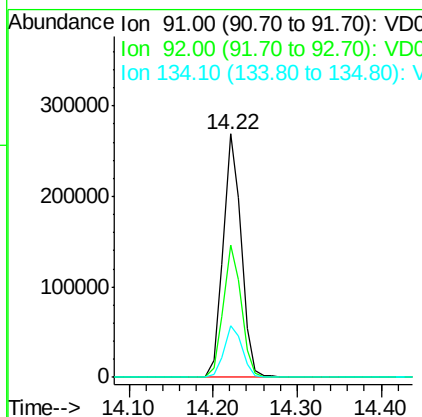
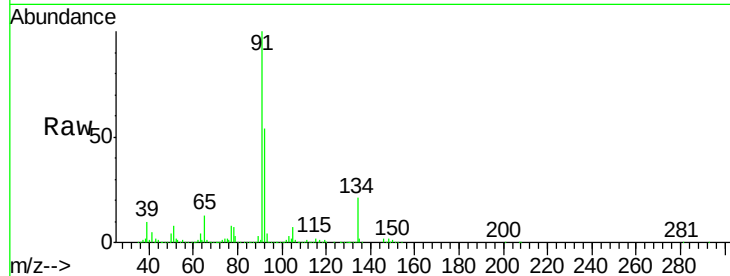
#89
n-Butylbenzene
Concen: 49.95 ug/l
RT: 14.22 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	21.0	9.6	28.6

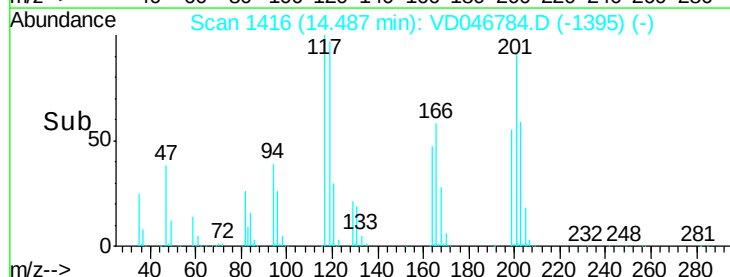
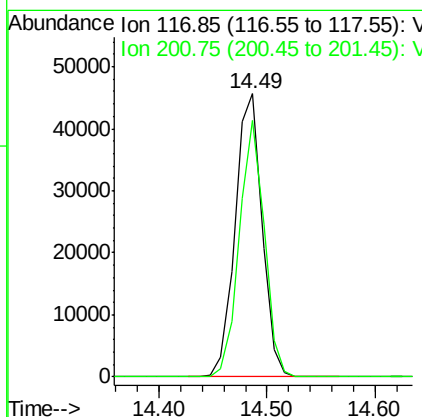
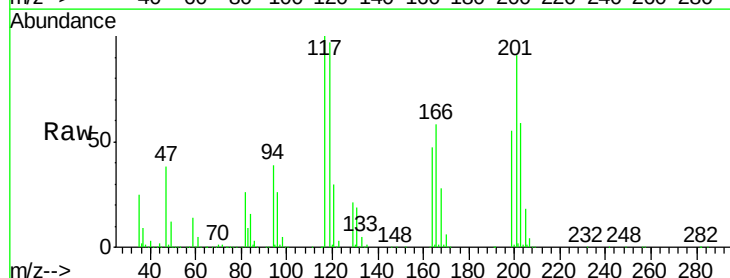
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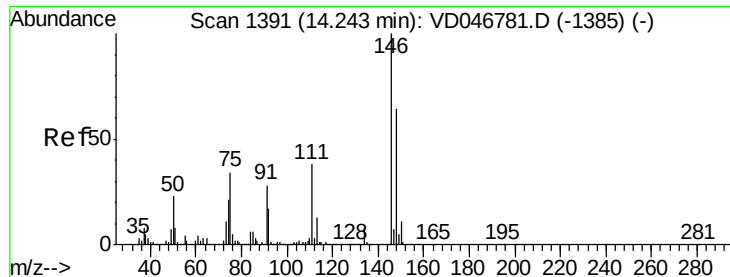
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#90
Hexachloroethane
Concen: 47.65 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	41.0	123.0





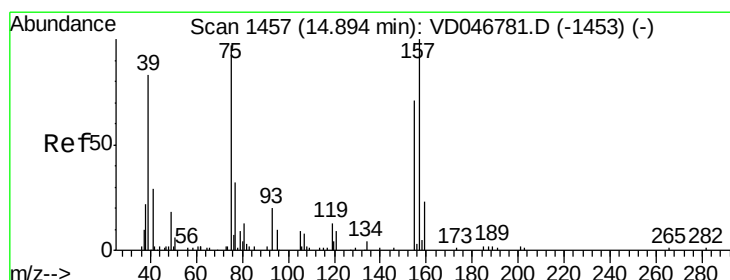
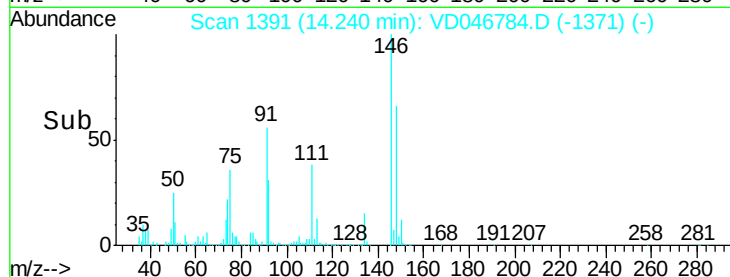
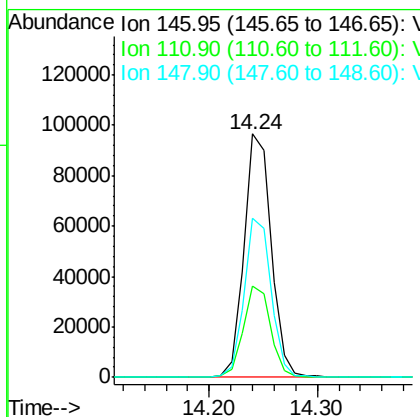
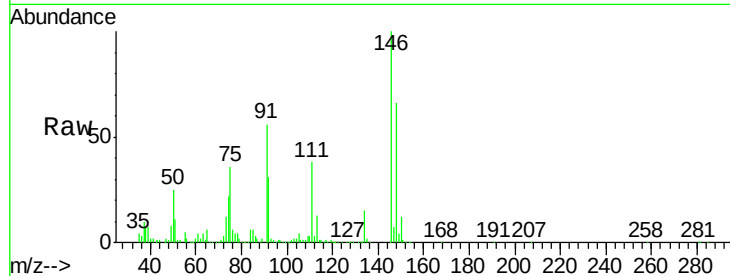
#91
 1,2-Dichlorobenzene
 Concen: 49.81 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	168663		
111	37.7	18.2	54.6	
148	65.6	31.1	93.3	

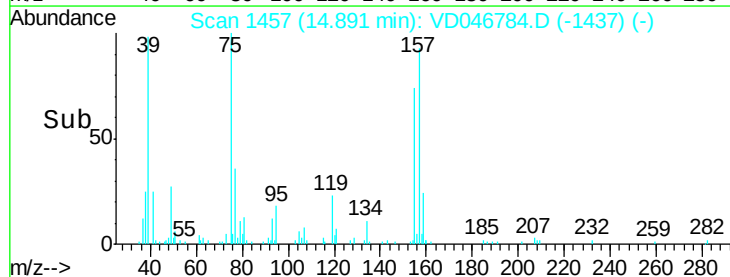
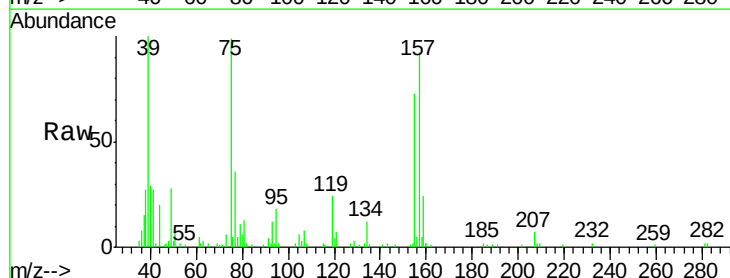
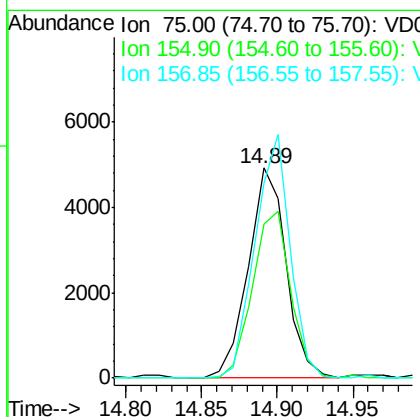
Manual Integrations
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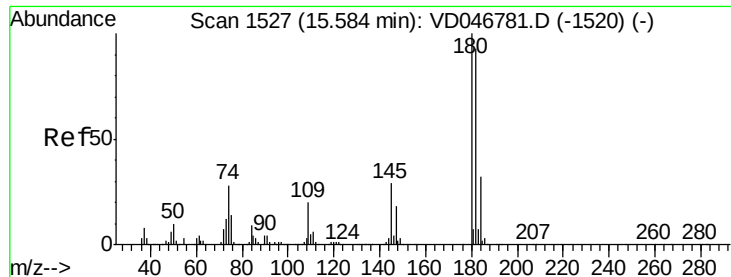
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.24 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8596		
155	73.5	41.4	124.4	
157	92.9	65.0	195.1	





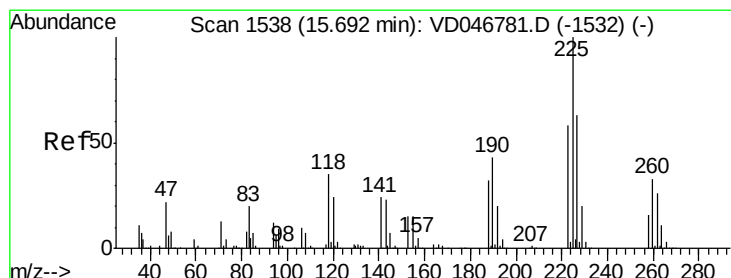
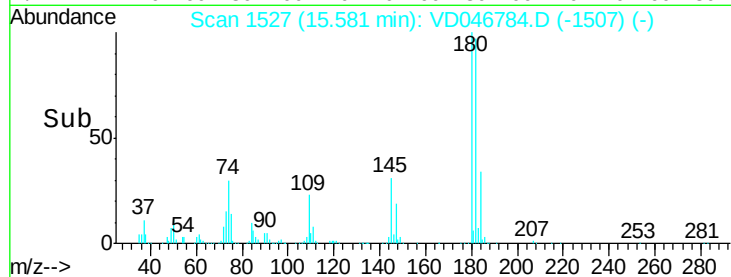
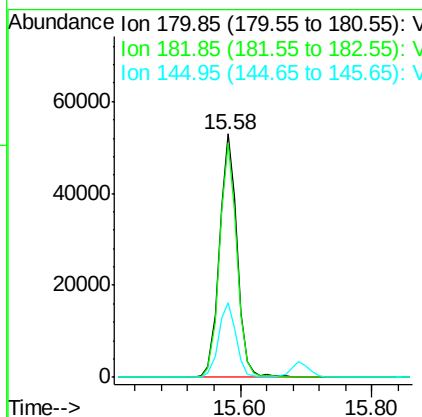
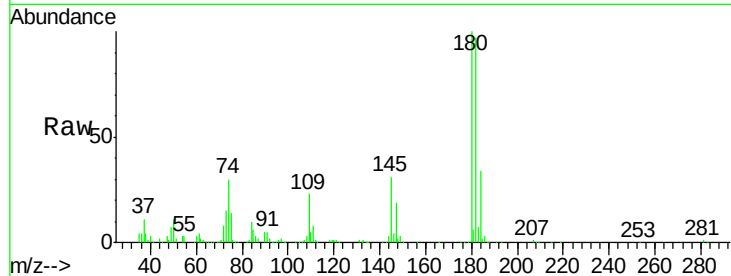
#93
 1,2,4-Trichlorobenzene
 Concen: 50.68 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: VD046784.D
 Acq: 18 Sep 2015 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091815

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

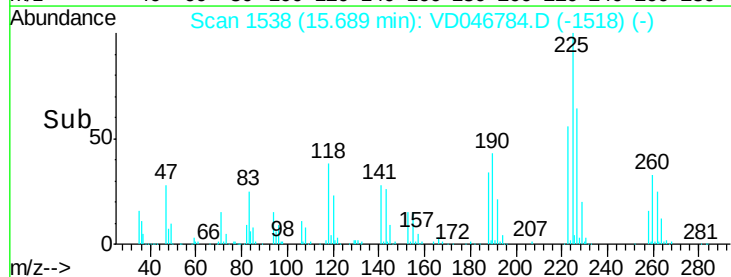
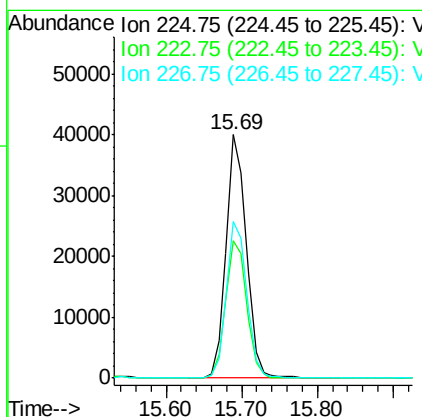
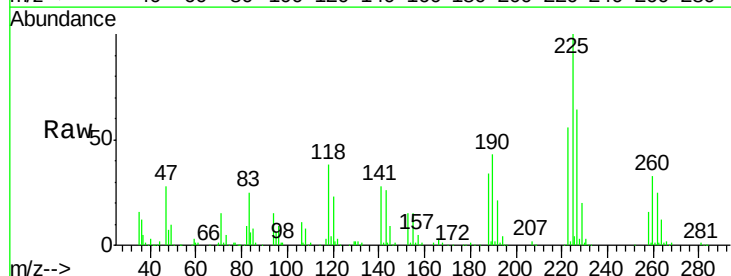
Manual Integrations
 APPROVED

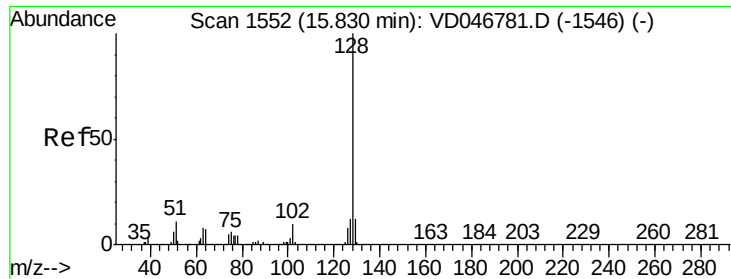
MMDadoda
 9/21/2015 11:39:03 AM



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

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





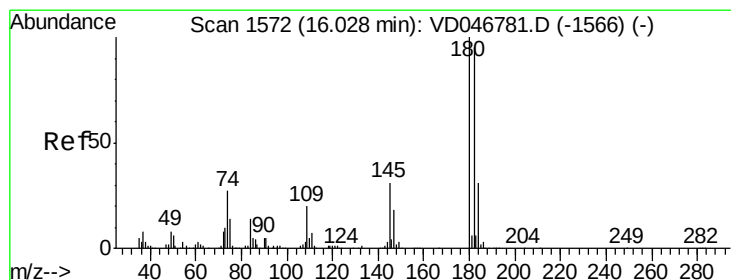
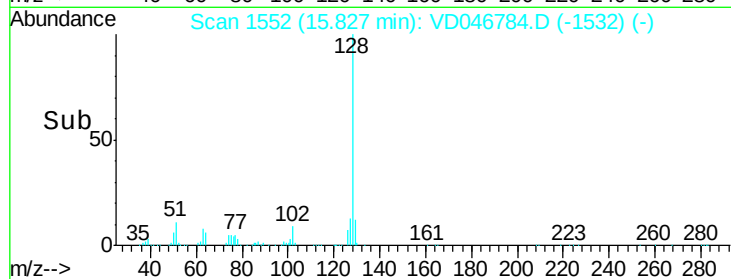
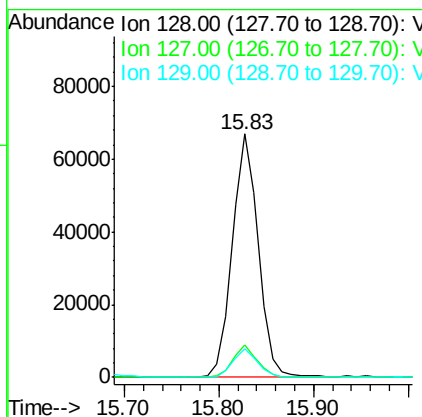
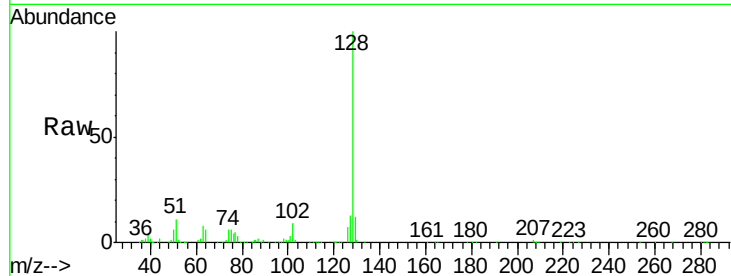
#95
Naphthalene
Concen: 49.33 ug/l
RT: 15.83 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091815

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	127224		
127	13.3	9.8	14.6	
129	11.6	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.27 ug/l
RT: 16.02 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VD046784.D
Acq: 18 Sep 2015 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	81907		
182	97.2	47.4	142.3	
145	31.4	15.4	46.4	

