

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046782.D
 Acq On : 18 Sep 2015 13:41
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:38:51 AM

Quant Time: Sep 18 14:35:44 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:48:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	221269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	279295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	261413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.93	152	135480	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	216792	91.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	183.12%	
35) Dibromofluoromethane	6.22	113	219977	98.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.54%	
50) Toluene-d8	9.63	98	729684	104.21	ug/l	0.01
Spiked Amount	50.000		Recovery	=	208.42%	
62) 4-Bromofluorobenzene	12.85	95	279230	104.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.32%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	194827	79.62	ug/l	99
3) Chlorodifluoromethane	1.44	51	161822	75.67	ug/l	95
4) Chloromethane	1.58	50	118140	82.26	ug/l	98
5) Vinyl Chloride	1.68	62	111879	83.65	ug/l	98
6) Bromomethane	1.97	94	103709	83.72	ug/l	96
7) Chloroethane	2.08	64	69188	86.08	ug/l	99
8) Trichlorofluoromethane	2.33	101	325621	88.97	ug/l	95
9) Diethyl Ether	2.63	74	65126	94.53	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	2.90	101	208696	89.04	ug/l	97
11) Methyl Iodide	3.06	142	272911	106.02	ug/l	98
12) Tert butyl alcohol	3.71	59	30254	267.25	ug/l	96
13) 1,1-Dichloroethene	2.88	96	176200	93.94	ug/l	97
14) Acrolein	2.78	56	61049	483.47	ug/l	88
15) Allyl chloride	3.33	41	362353	93.21	ug/l	88
16) Acrylonitrile	3.84	53	133844	477.00	ug/l	96
17) Acetone	2.95	43	173303	425.32	ug/l	97
18) Carbon Disulfide	3.13	76	613833	85.58	ug/l	99
19) Methyl Acetate	3.34	43	218075	91.31	ug/l	96
20) Methyl tert-butyl Ether	3.90	73	285564	100.09	ug/l	96
21) Methylene Chloride	3.51	84	189119	85.45	ug/l	92
22) trans-1,2-Dichloroethene	3.89	96	190426	89.48	ug/l	97
23) Diisopropyl ether	4.66	45	614628	95.15	ug/l	95
24) Vinyl Acetate	4.60	43	706999m	546.67	ug/l	
25) 1,1-Dichloroethane	4.56	63	349370	89.90	ug/l	100
26) 2-Butanone	5.46	43	211643	451.46	ug/l	95
27) 2,2-Dichloropropane	5.43	77	356566	92.19	ug/l	100
28) cis-1,2-Dichloroethene	5.43	96	205062	92.76	ug/l	94
29) Bromochloromethane	5.80	49	133152	85.02	ug/l	92
30) Chloroform	5.97	83	417282	90.53	ug/l	100
31) Cyclohexane	6.28	56	322769	88.82	ug/l	93
32) 1,1,1-Trichloroethane	6.19	97	373826	93.26	ug/l	98
36) 1,1-Dichloropropene	6.44	75	315287	94.58	ug/l	99
37) Ethyl Acetate	5.55	43	99302	86.46	ug/l	98
38) Carbon Tetrachloride	6.42	117	322754	95.84	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	349053	103.75	ug/l	94
40) Benzene	6.72	78	793091	91.71	ug/l	99
41) Methacrylonitrile	5.77	41	66297	106.77	ug/l #	88
42) 1,2-Dichloroethane	6.84	62	250937	95.79	ug/l	97
43) Isopropyl Acetate	8.42	43	153102	108.15	ug/l #	97
44) Trichloroethene	7.76	130	209507	97.12	ug/l	96
45) 1,2-Dichloropropane	8.15	63	201685	95.18	ug/l	100
46) Dibromomethane	8.28	93	113211	96.71	ug/l	95
47) Bromodichloromethane	8.57	83	301210	97.56	ug/l #	99
48) Methyl methacrylate	8.08	41	222633	101.04	ug/l	99
49) 1,4-Dioxane	8.30	88	16236	2133.03	ug/l #	87
51) 4-Methyl-2-Pentanone	9.49	43	544376	539.45	ug/l	97
52) Toluene	9.73	92	522020	100.09	ug/l	100
53) t-1,3-Dichloropropene	10.13	75	249986	110.72	ug/l	94
54) cis-1,3-Dichloropropene	9.24	75	311069	105.35	ug/l	95
55) 1,1,2-Trichloroethane	10.41	97	128884	99.33	ug/l	98
56) Ethyl methacrylate	10.25	69	141459	120.57	ug/l	95
57) 1,3-Dichloropropane	10.62	76	246471	100.79	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.04	63	348428m	571.13	ug/l	
59) 2-Hexanone	10.71	43	393147	546.69	ug/l	94
60) Dibromochloromethane	10.89	129	188770	105.41	ug/l	100
61) 1,2-Dibromoethane	11.02	107	131657	103.17	ug/l	97
64) Tetrachloroethene	10.48	164	209059	94.49	ug/l	96
65) Chlorobenzene	11.61	112	531896	94.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	194056	92.48	ug/l	99
67) Ethyl Benzene	11.74	91	1115575	98.04	ug/l	97
68) m/p-Xylenes	11.89	106	702331	195.50	ug/l	97
69) o-Xylene	12.29	106	331359	103.93	ug/l	96
70) Styrene	12.32	104	557563	102.02	ug/l	96
71) Bromoform	12.51	173	108448	101.09	ug/l	97
73) Isopropylbenzene	12.68	105	998718	102.41	ug/l	96
74) N-amyl acetate	12.51	43	232372	108.48	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.99	83	147896	96.33	ug/l	95
76) 1,2,3-Trichloropropane	13.04	75	165370	101.19	ug/l	98
77) Bromobenzene	12.98	156	240368	97.25	ug/l	92
78) n-propylbenzene	13.08	91	1370566	100.07	ug/l	98
79) 2-Chlorotoluene	13.17	91	744012	97.11	ug/l	98
80) 1,3,5-Trimethylbenzene	13.26	105	771242	99.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.75	75	45986	113.96	ug/l	97
82) 4-Chlorotoluene	13.28	91	873431	96.96	ug/l	95
83) tert-Butylbenzene	13.54	119	703330m	102.65	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	761634	96.80	ug/l	98
85) sec-Butylbenzene	13.74	105	1033190	101.09	ug/l	96
86) p-Isopropyltoluene	13.88	119	804132	99.93	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	436959	95.11	ug/l	97
88) 1,4-Dichlorobenzene	13.95	146	419417	93.71	ug/l	97
89) n-Butylbenzene	14.22	91	924166	102.19	ug/l	98
90) Hexachloroethane	14.49	117	178144	93.40	ug/l	88
91) 1,2-Dichlorobenzene	14.24	146	359754	94.41	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.89	75	19899	94.31	ug/l	71

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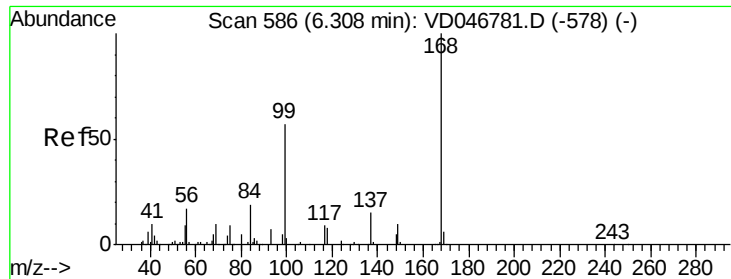
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	227262	102.37	ug/l	96
94) Hexachlorobutadiene	15.69	225	172379	96.33	ug/l	97
95) Naphthalene	15.83	128	297320	113.97	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	186857	102.10	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion:168 Resp: 221269

Ion Ratio Lower Upper

168 100

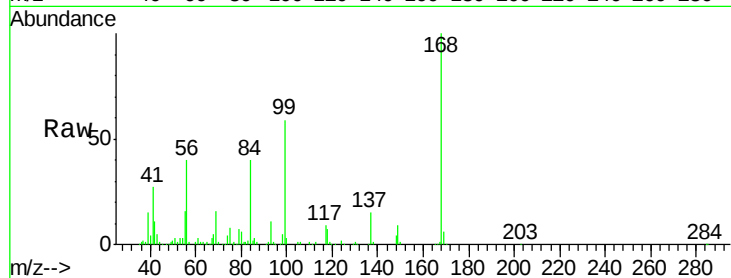
99 58.6 42.4 63.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.31

100000

80000

60000

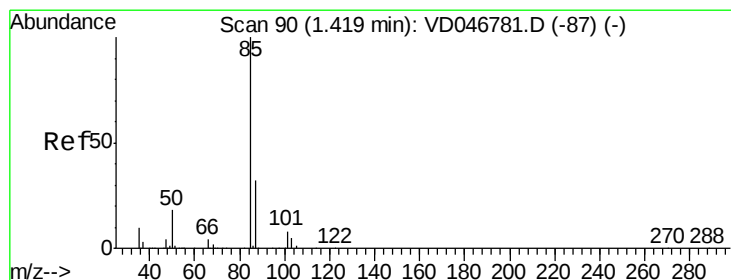
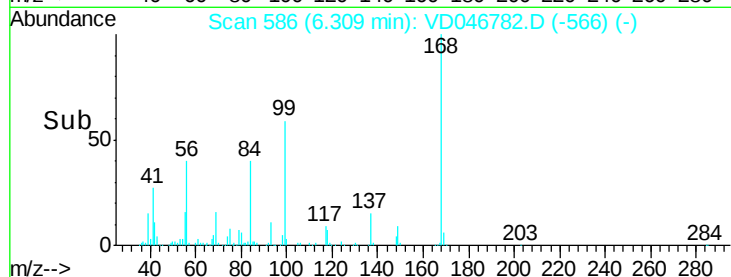
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#2

Dichlorodifluoromethane

Concen: 79.62 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VD046782.D

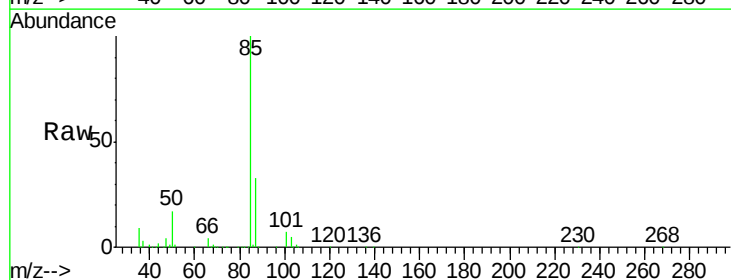
Acq: 18 Sep 2015 13:41

Tgt Ion: 85 Resp: 194827

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.42

150000

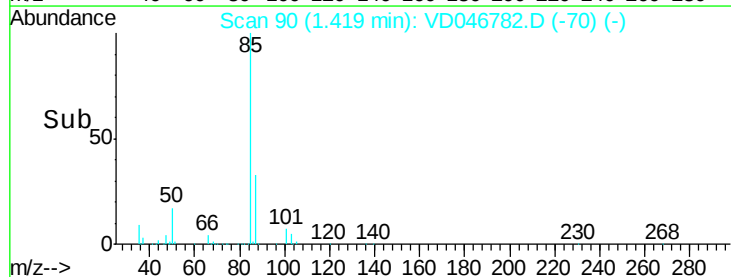
100000

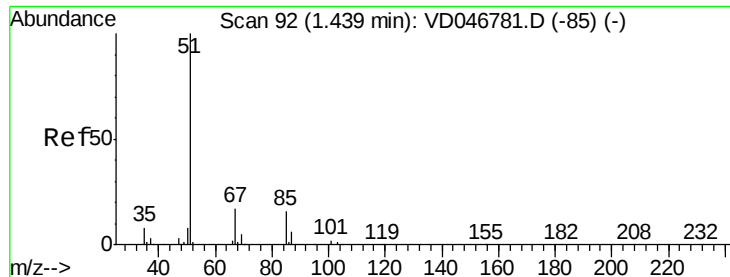
50000

0

1.40 1.50 1.60

Time-->





#3

Chlorodifluoromethane

Concen: 75.67 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion: 51 Resp: 161822
Ion Ratio Lower Upper

51 100

67 15.4 10.9 16.3

Instrument :

MSVOA_D

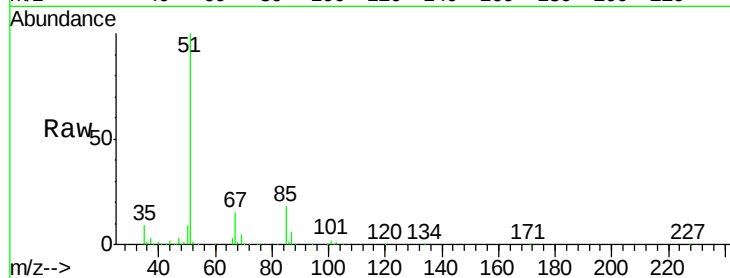
ClientSampleId :

VSTDIC100

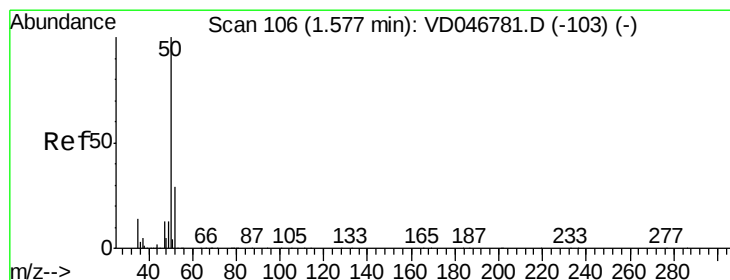
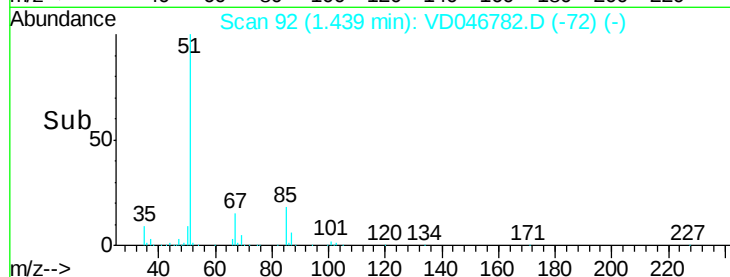
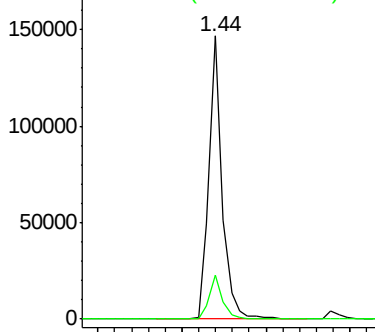
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Abundance Ion 51.00 (50.70 to 51.70): VDC
Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 82.26 ug/l

RT: 1.58 min Scan# 106

Delta R.T. 0.00 min

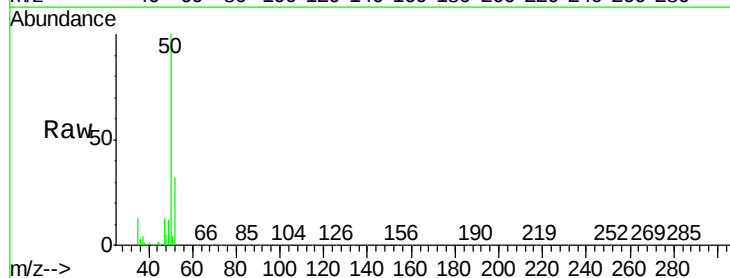
Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

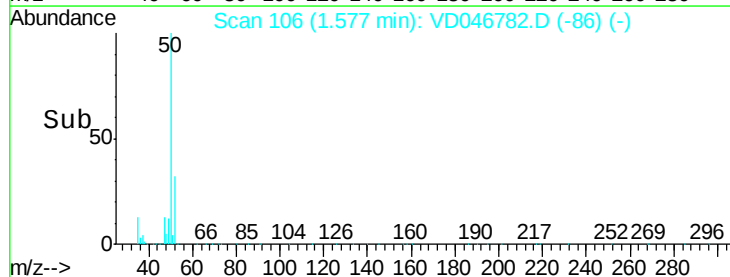
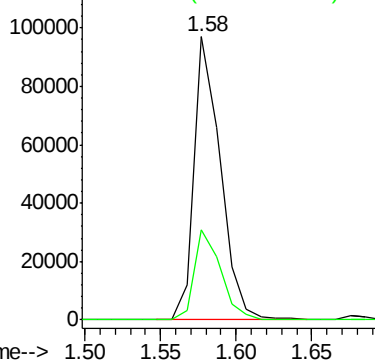
Tgt Ion: 50 Resp: 118140
Ion Ratio Lower Upper

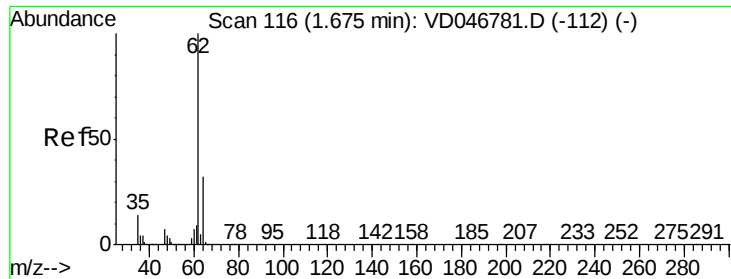
50 100

52 31.8 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: 83.65 ug/l

RT: 1.68 min Scan# 116

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 62 Resp: 111879

Ion Ratio Lower Upper

62 100

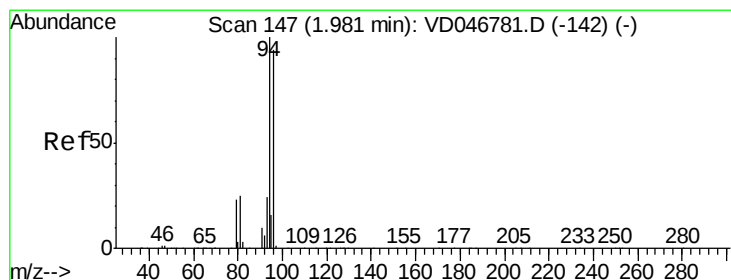
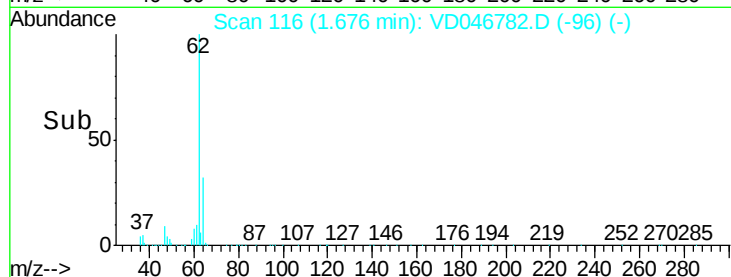
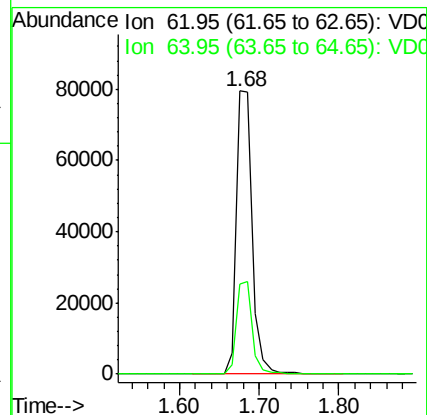
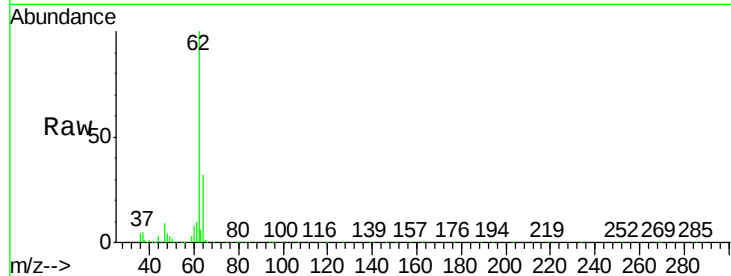
64 31.7 26.4 39.6

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#6

Bromomethane

Concen: 83.72 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD046782.D

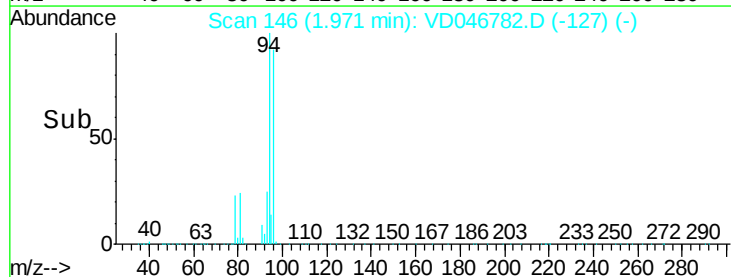
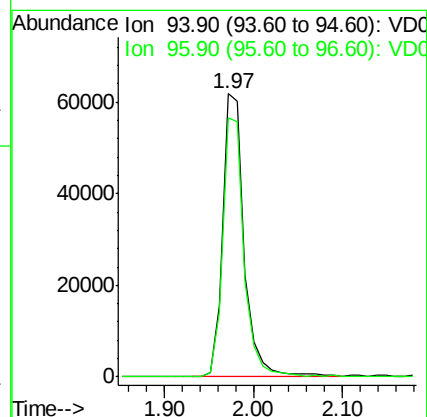
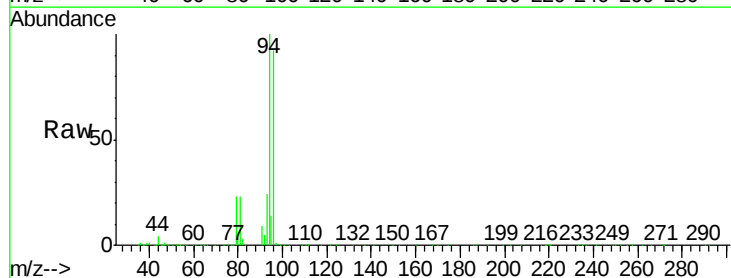
Acq: 18 Sep 2015 13:41

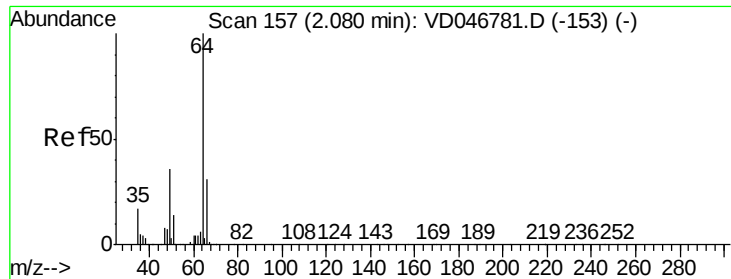
Tgt Ion: 94 Resp: 103709

Ion Ratio Lower Upper

94 100

96 91.6 76.0 114.0





#7

Chloroethane

Concen: 86.08 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

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ClientSampleId :

VSTDIC100

Tgt Ion: 64 Resp: 69188

Ion Ratio Lower Upper

64 100

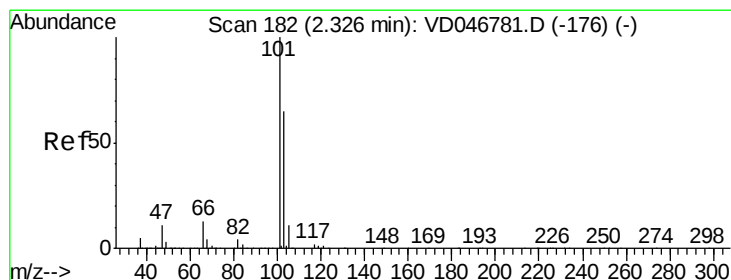
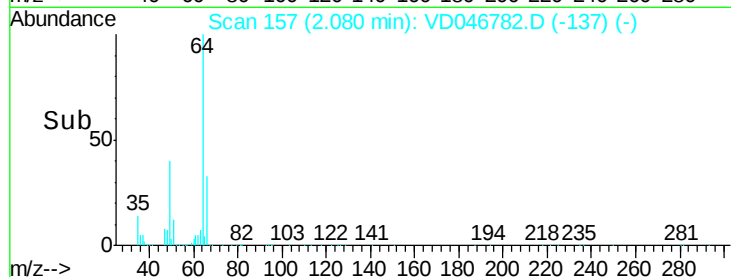
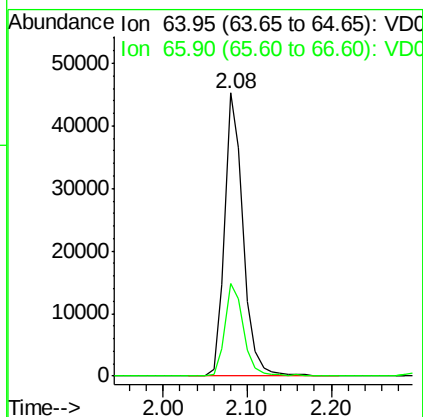
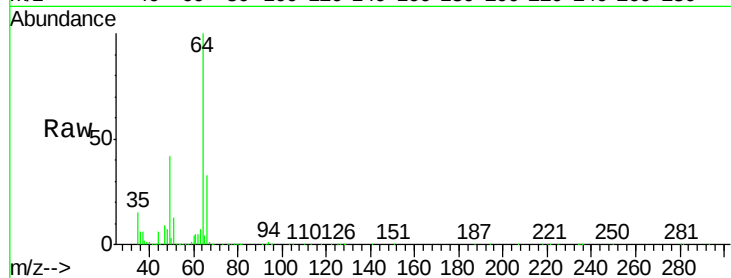
66 32.9 26.6 39.8

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 88.97 ug/l

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD046782.D

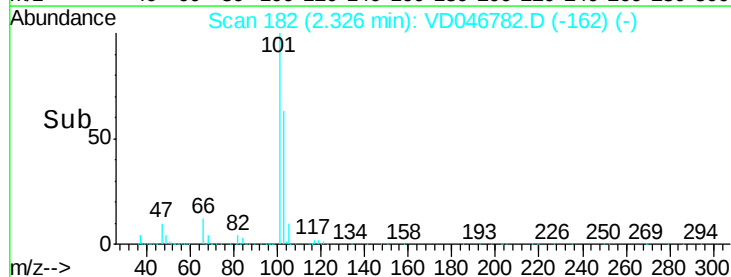
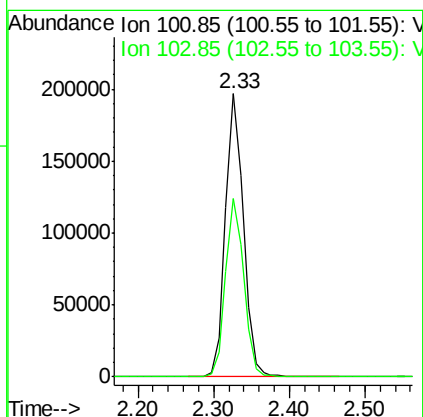
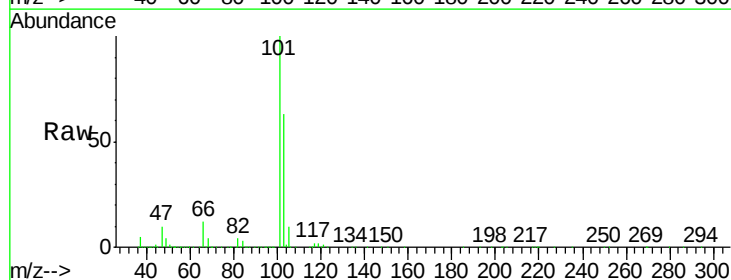
Acq: 18 Sep 2015 13:41

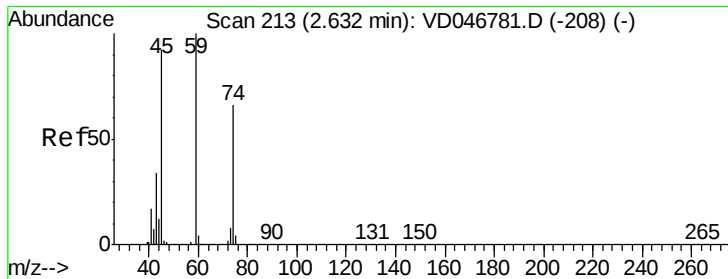
Tgt Ion: 101 Resp: 325621

Ion Ratio Lower Upper

101 100

103 62.8 53.2 79.8





#9

Diethyl Ether

Concen: 94.53 ug/l

RT: 2.63 min Scan# 213

Delta R.T. 0.00 min

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Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 74 Resp: 65126

Ion Ratio Lower Upper

74 100

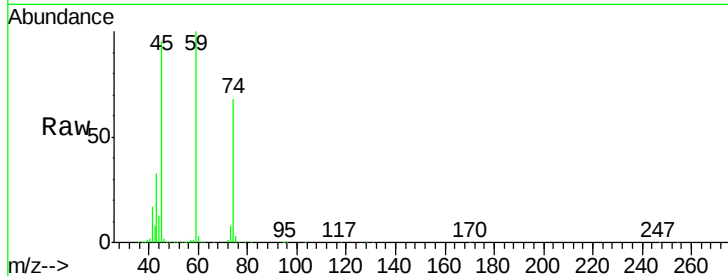
45 139.6 76.2 228.6

Manual Integrations

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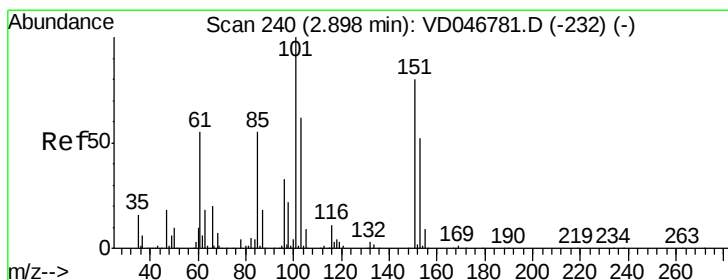
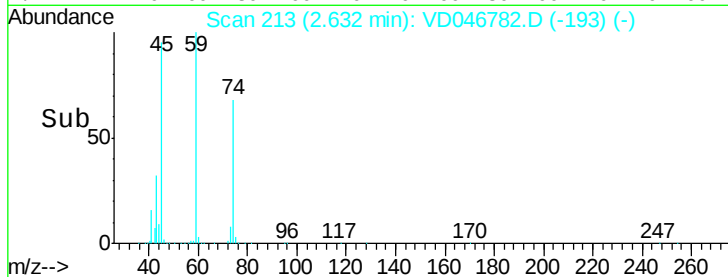
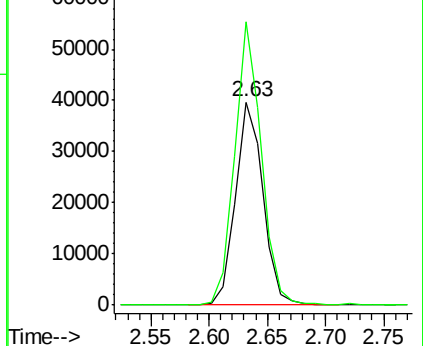
MMDadoda

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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 89.04 ug/l

RT: 2.90 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

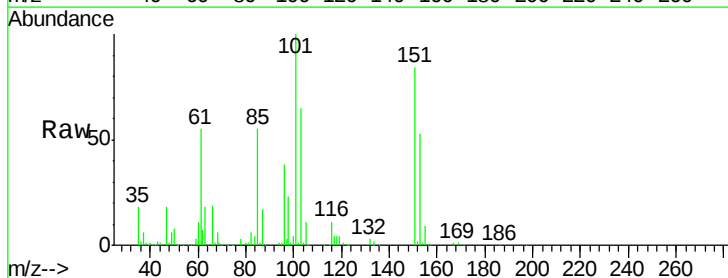
Tgt Ion: 101 Resp: 208696

Ion Ratio Lower Upper

101 100

85 54.5 42.0 63.0

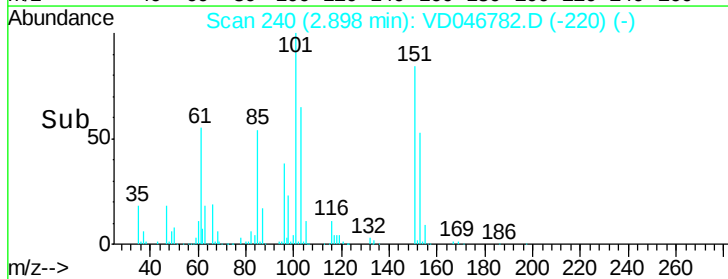
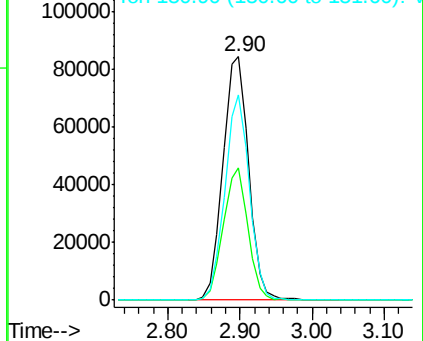
151 84.3 65.2 97.8

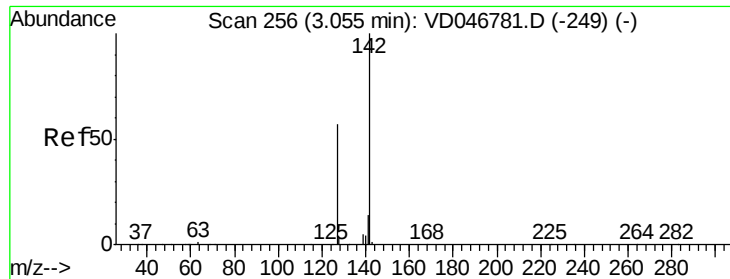


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





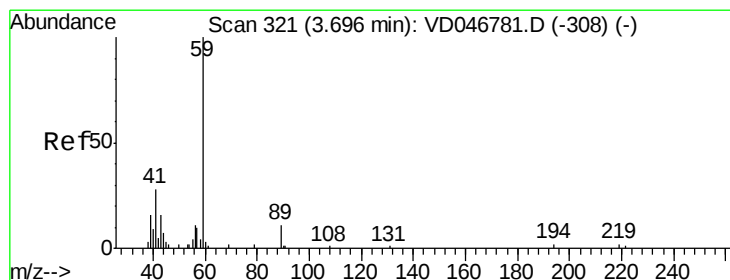
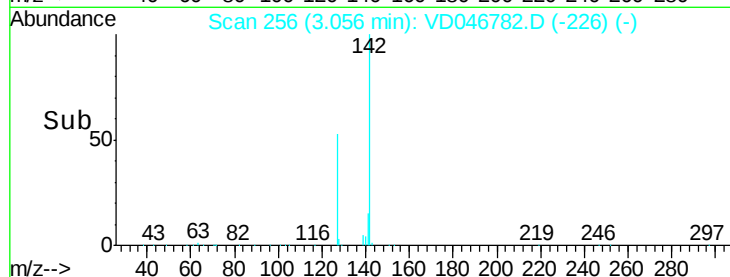
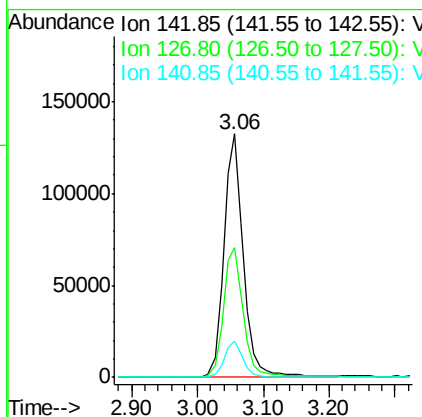
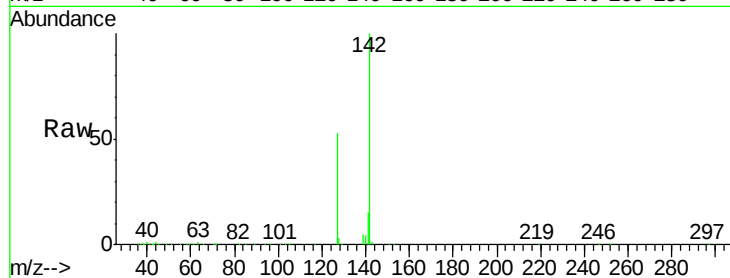
#11
Methyl Iodide
Concen: 106.02 ug/l
RT: 3.06 min Scan# 256
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.4	41.2	61.8
141	15.0	11.6	17.4

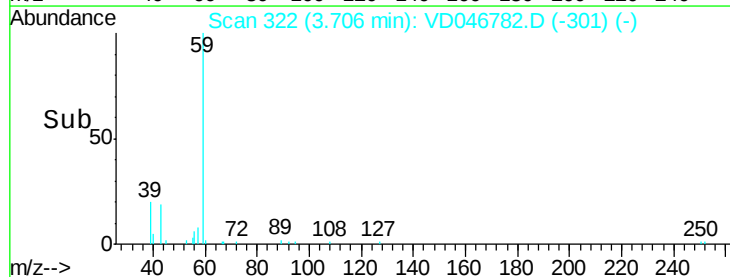
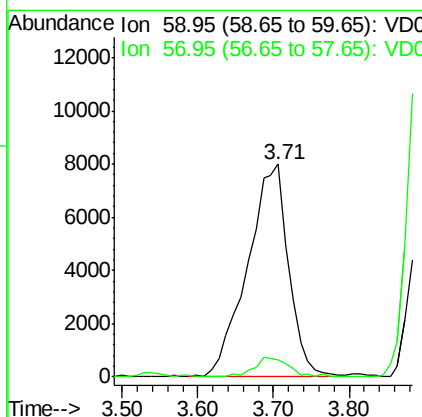
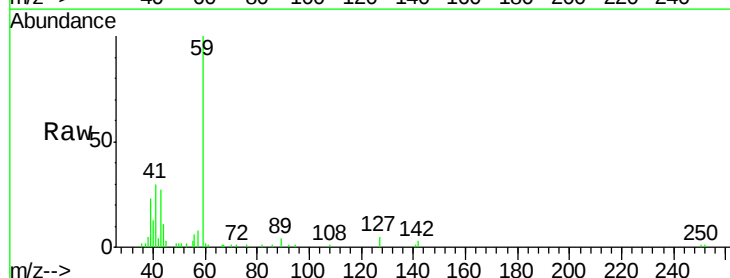
Manual Integrations
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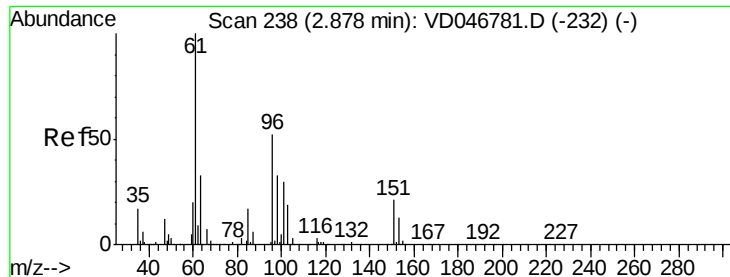
MMDadoda
9/21/2015 11:38:51 AM



#12
Tert butyl alcohol
Concen: 267.25 ug/l
RT: 3.71 min Scan# 322
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.1	7.8	11.6





#13

1,1-Dichloroethene

Concen: 93.94 ug/l

RT: 2.88 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

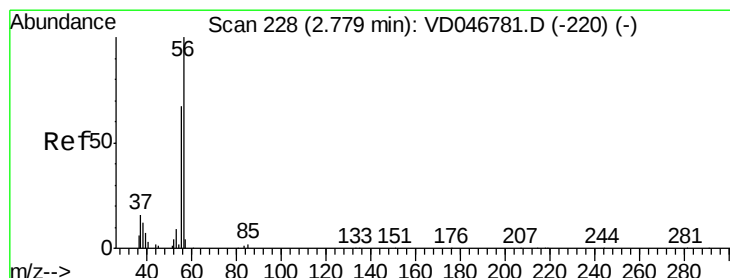
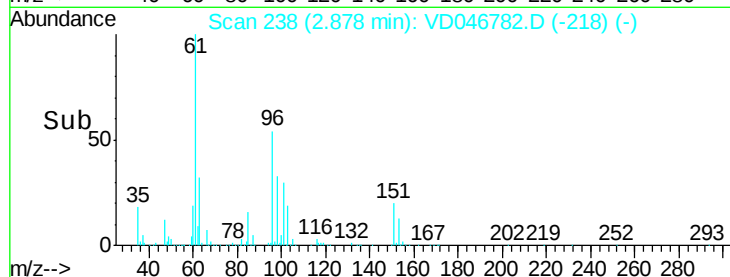
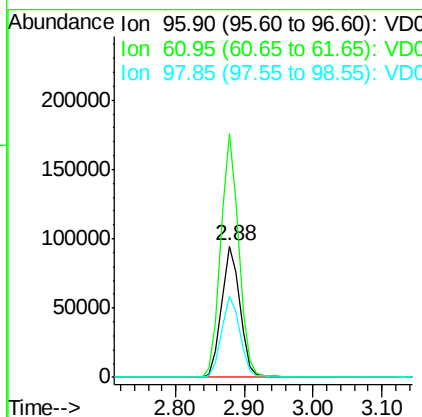
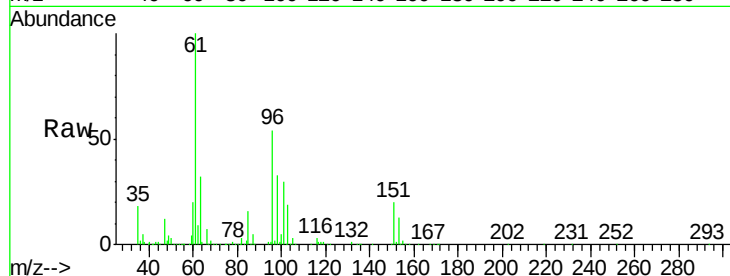
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	176200
Ion	Ratio	Lower	Upper
96	100		
61	185.6	152.2	228.4
98	62.1	51.2	76.8

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#14

Acrolein

Concen: 483.47 ug/l

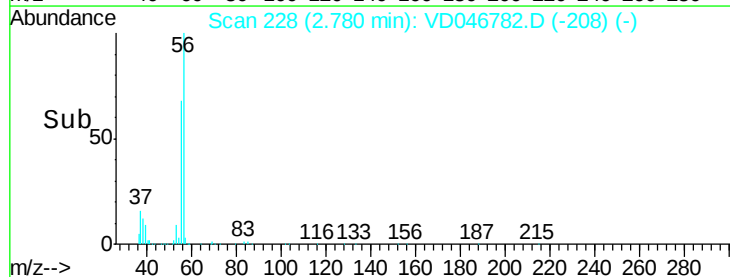
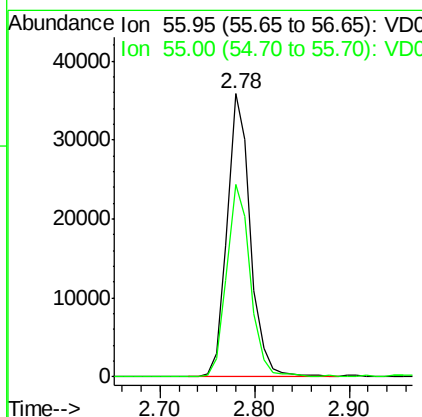
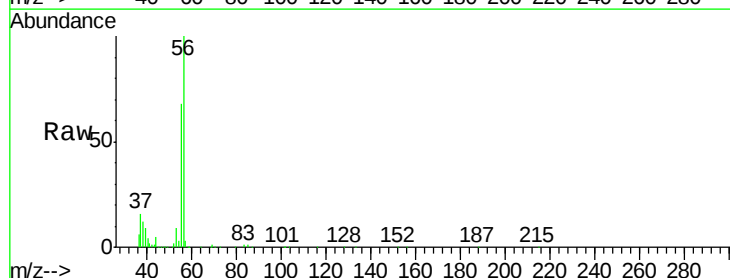
RT: 2.78 min Scan# 228

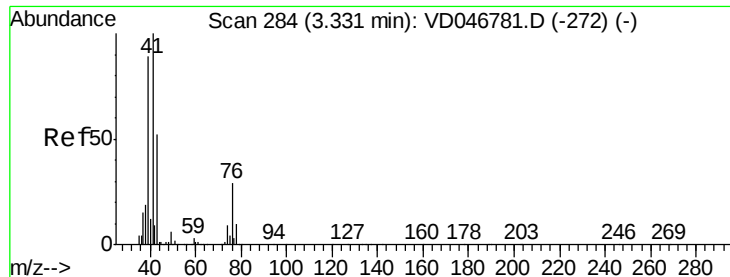
Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion:	56	Resp:	61049
Ion	Ratio	Lower	Upper
56	100		
55	67.9	62.6	93.8





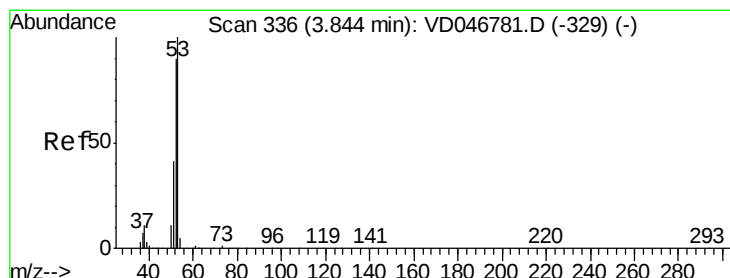
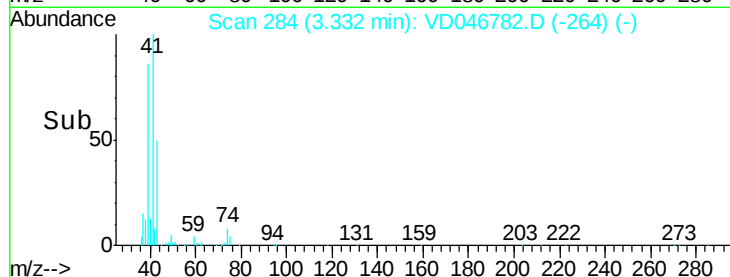
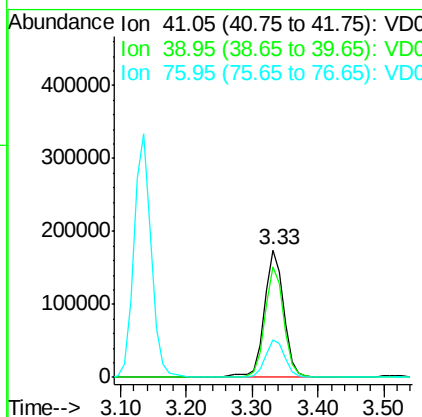
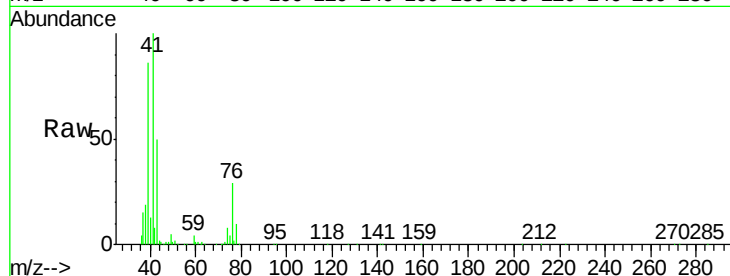
#15
 Allyl chloride
 Concen: 93.21 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	86.4	58.8	88.2
76	29.5	22.7	34.1

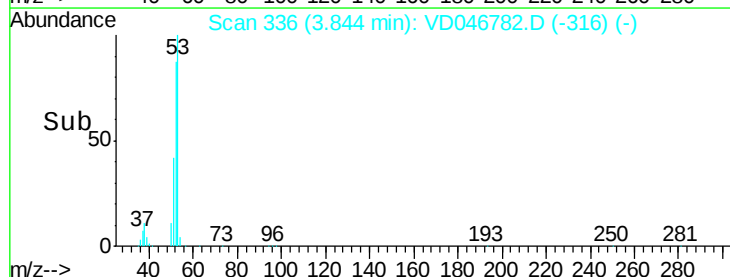
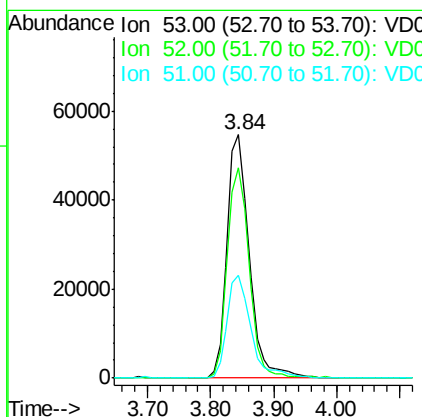
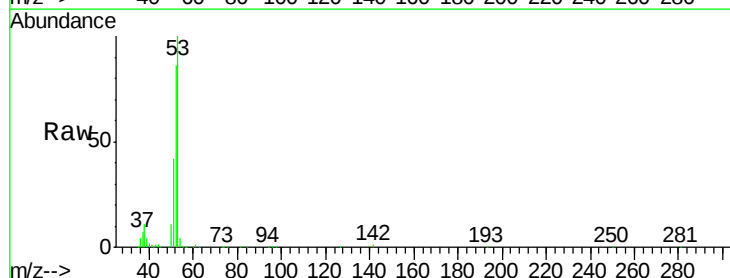
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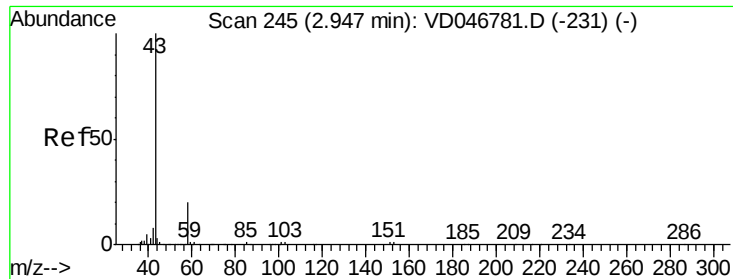
MMDadoda
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#16
 Acrylonitrile
 Concen: 477.00 ug/l
 RT: 3.84 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
53	100		
52	86.4	66.8	100.2
51	42.1	31.2	46.8





#17

Acetone

Concen: 425.32 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 173303

Ion Ratio Lower Upper

43 100

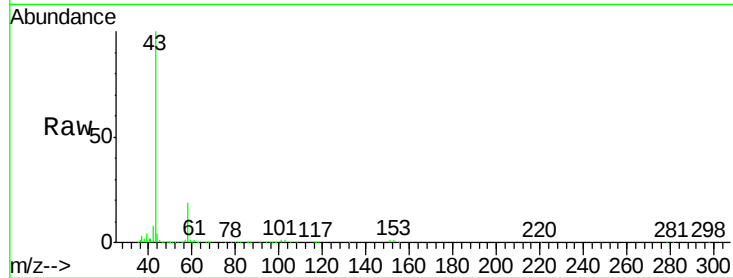
58 19.1 16.6 24.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.95

80000

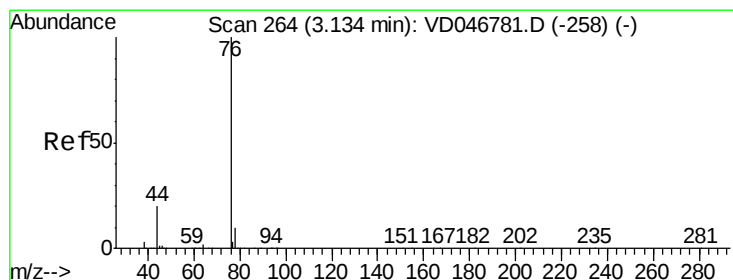
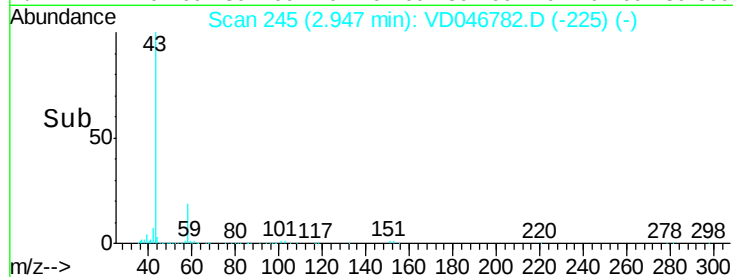
60000

40000

20000

0

Time-->



#18

Carbon Disulfide

Concen: 85.58 ug/l

RT: 3.13 min Scan# 264

Delta R.T. 0.00 min

Lab File: VD046782.D

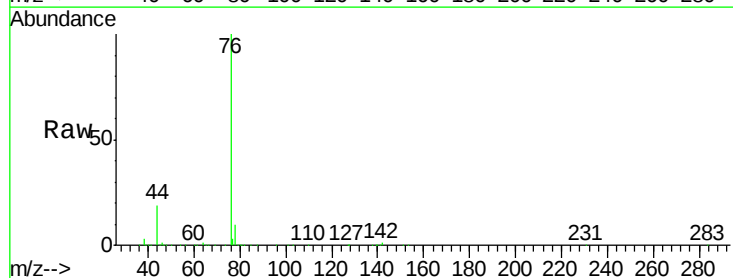
Acq: 18 Sep 2015 13:41

Tgt Ion: 76 Resp: 613833

Ion Ratio Lower Upper

76 100

78 9.6 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.13

400000

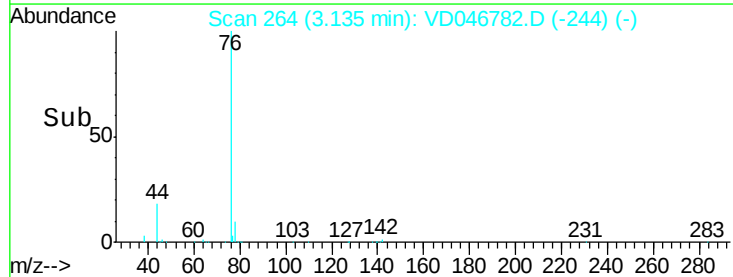
300000

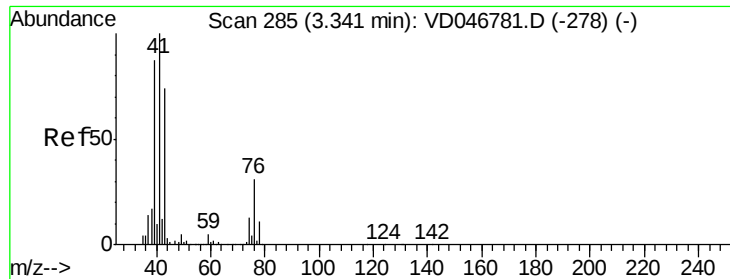
200000

100000

0

Time-->





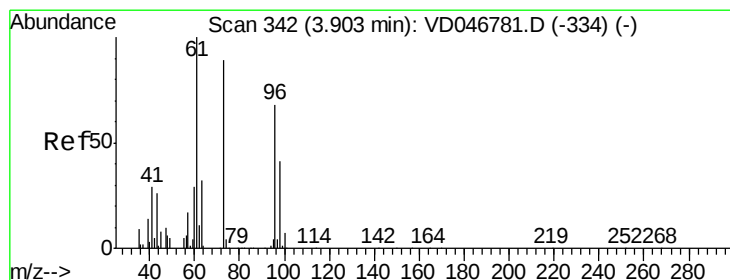
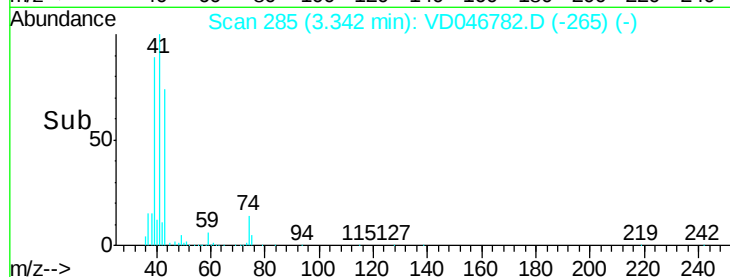
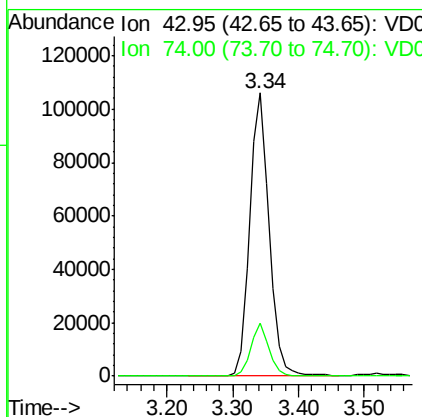
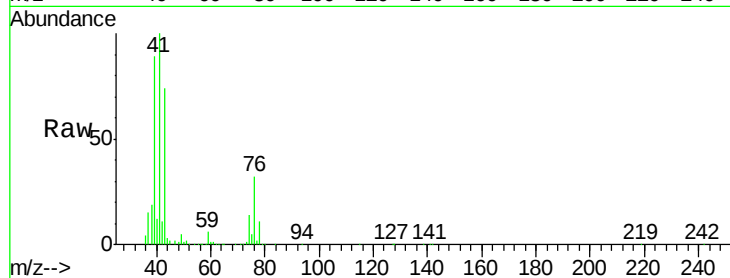
#19
Methyl Acetate
Concen: 91.31 ug/l
RT: 3.34 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 218075
Ion Ratio Lower Upper
43 100
74 18.8 13.7 20.5

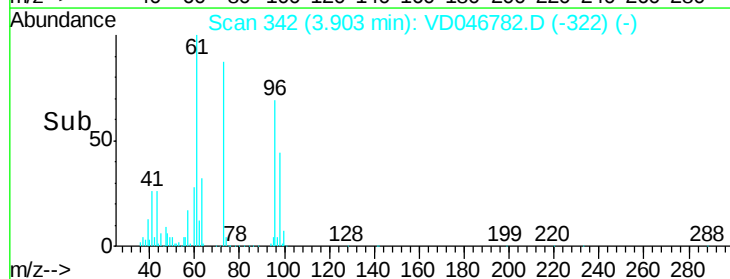
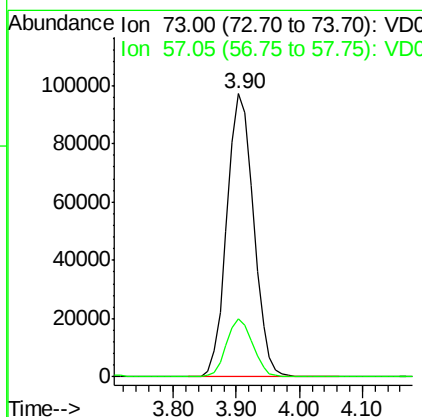
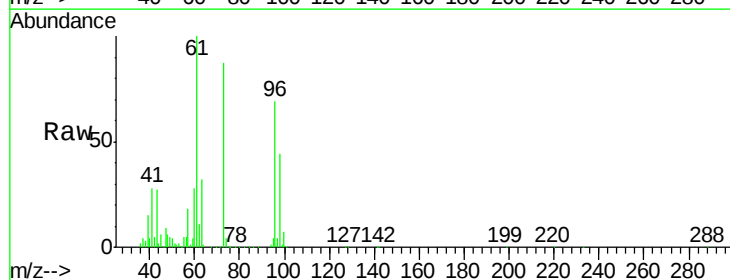
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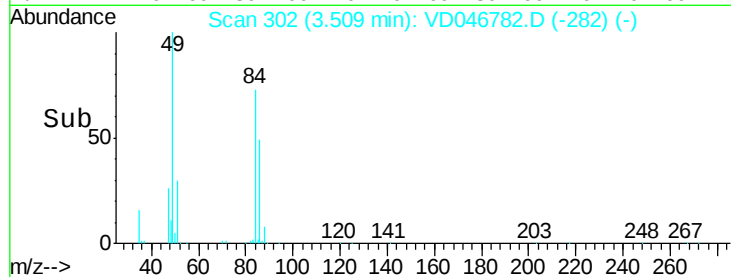
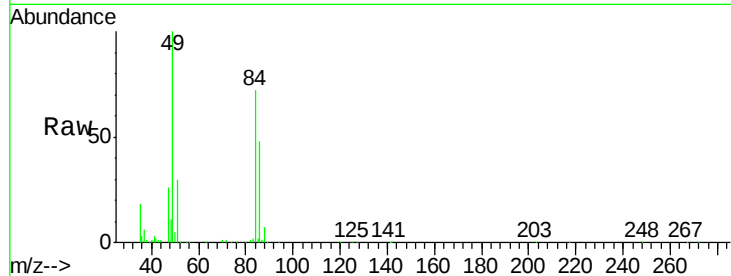
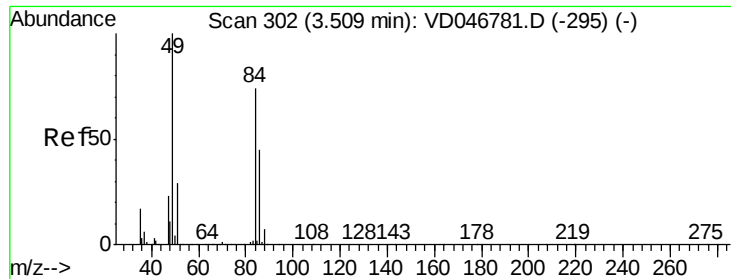
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#20
Methyl tert-butyl Ether
Concen: 100.09 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

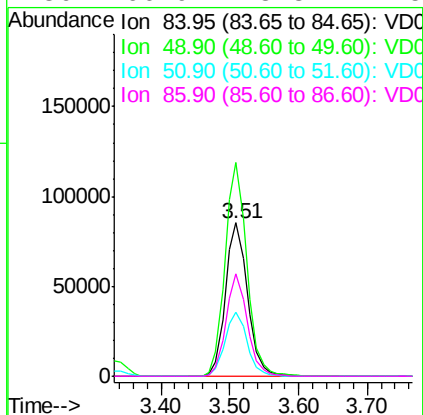
Tgt Ion: 73 Resp: 285564
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1





#21
Methylene Chloride
Concen: 85.45 ug/l
RT: 3.51 min Scan# 302
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

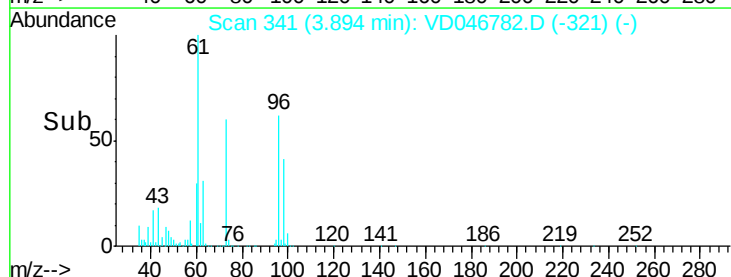
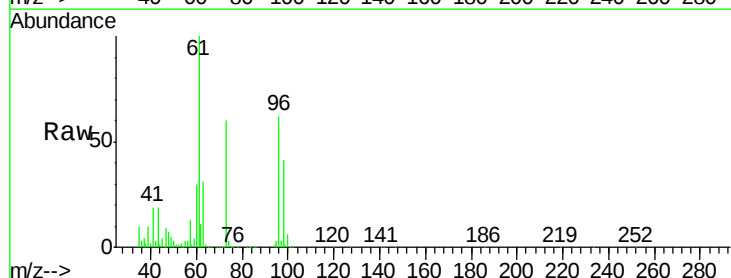
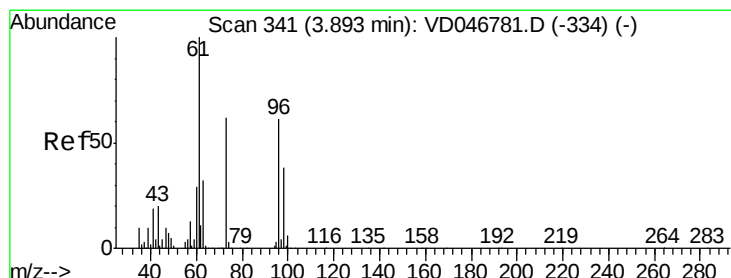
Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.2	122.1	183.1
51	41.6	33.6	50.4
86	66.9	48.3	72.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

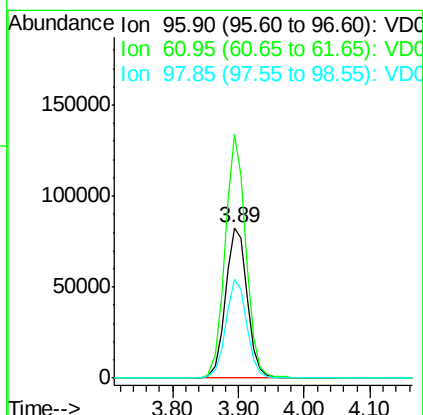
Manual Integrations
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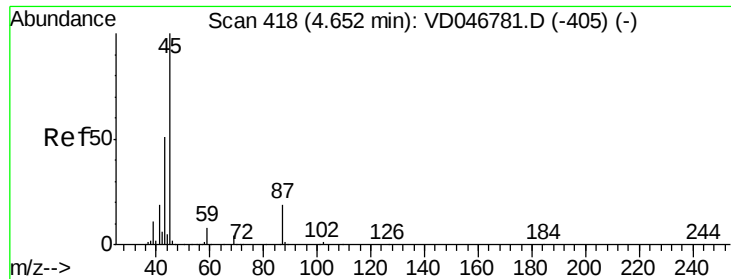
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 89.48 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	125.8	188.6
98	65.7	54.5	81.7





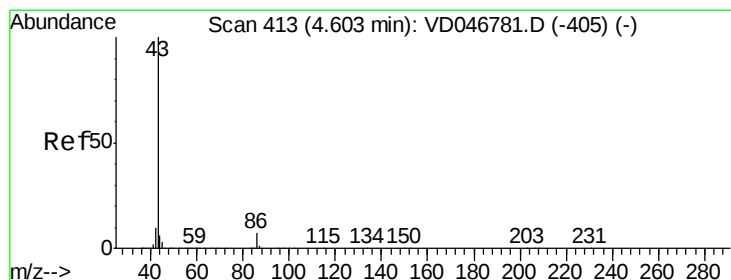
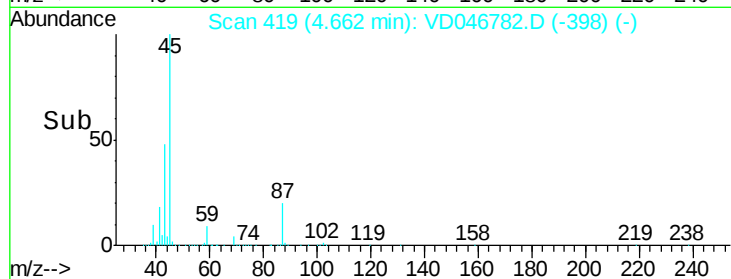
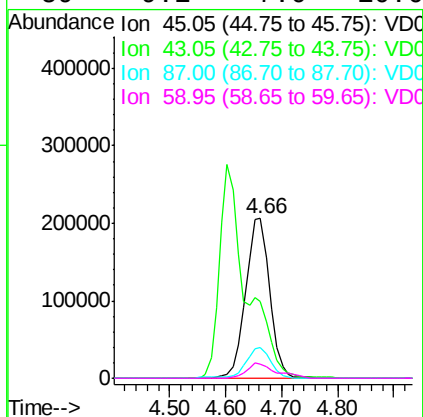
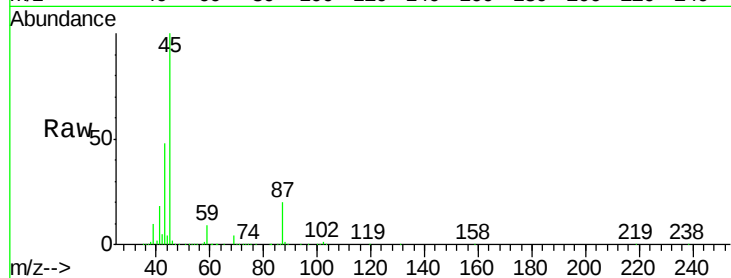
#23
Diisopropyl ether
Concen: 95.15 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
45	100		
43	48.2	35.9	53.9
87	19.5	13.0	19.6
59	9.1	7.0	10.6

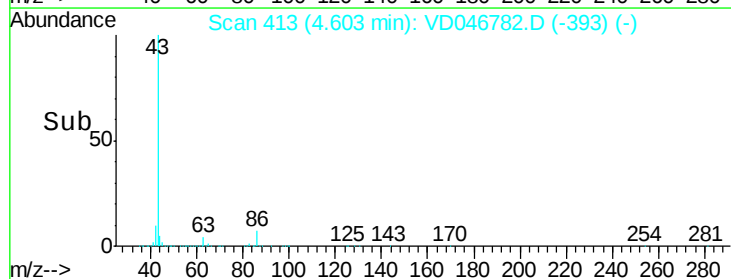
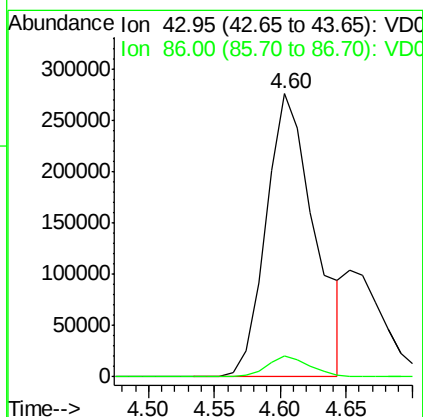
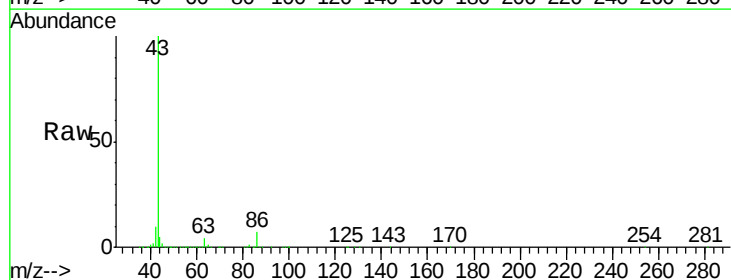
Manual Integrations
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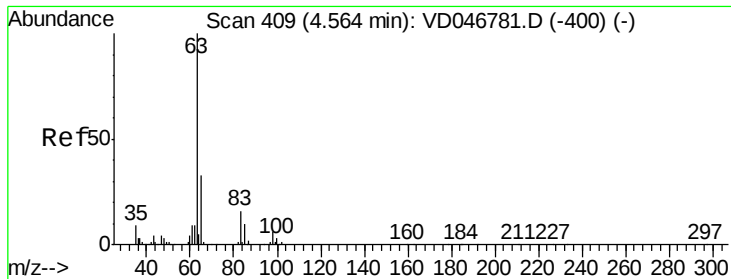
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#24
Vinyl Acetate
Concen: 546.67 ug/l m
RT: 4.60 min Scan# 413
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.2	4.9	7.3





#25

1,1-Dichloroethane

Concen: 89.90 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

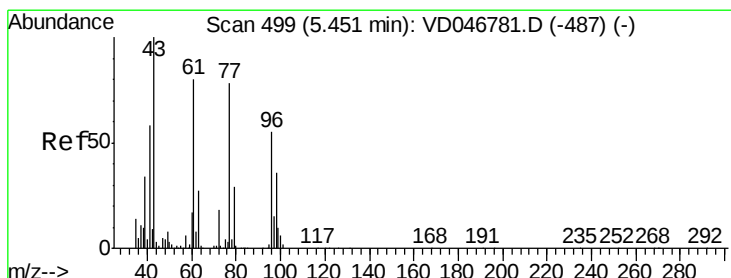
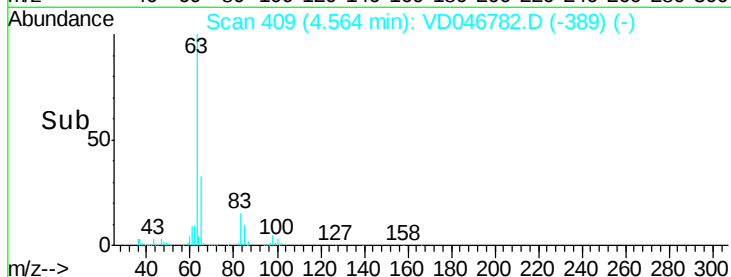
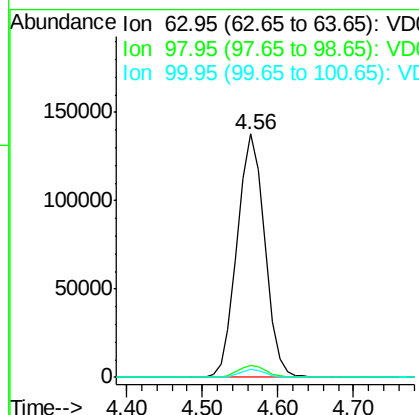
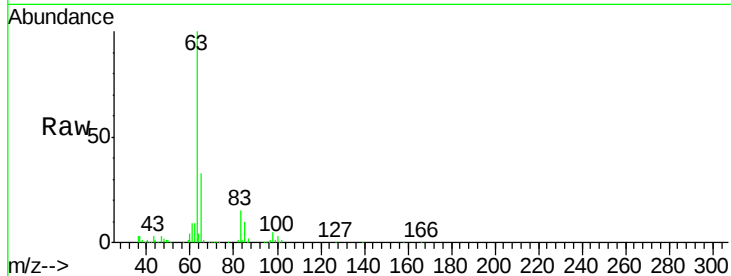
ClientSampleId :

VSTDIC100

Tgt Ion:	63	Resp:	349370
Ion Ratio	Lower	Upper	
63	100		
98	5.1	2.5	7.5
100	3.2	1.5	4.5

Manual Integrations
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#26

2-Butanone

Concen: 451.46 ug/l

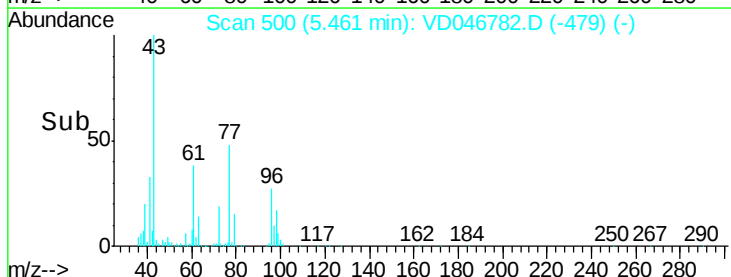
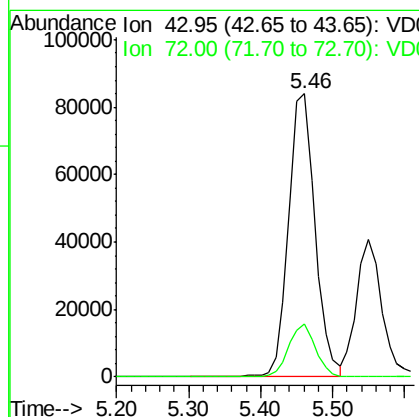
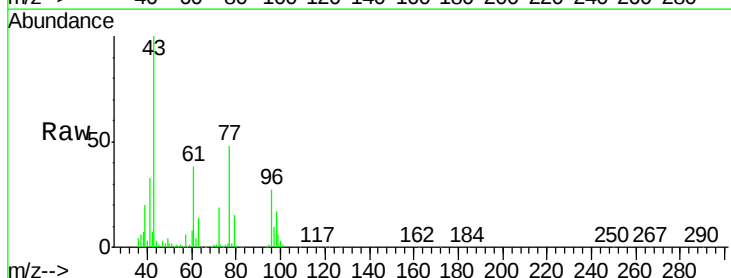
RT: 5.46 min Scan# 500

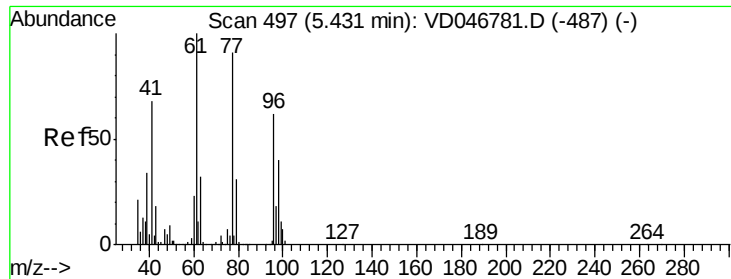
Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion:	43	Resp:	211643
Ion Ratio	Lower	Upper	
43	100		
72	18.7	13.4	20.0





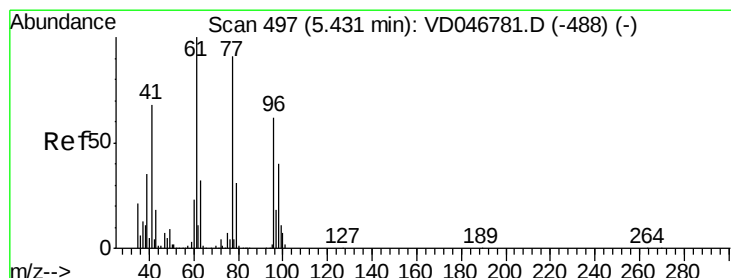
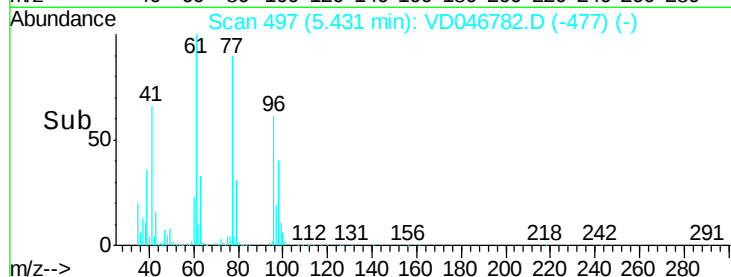
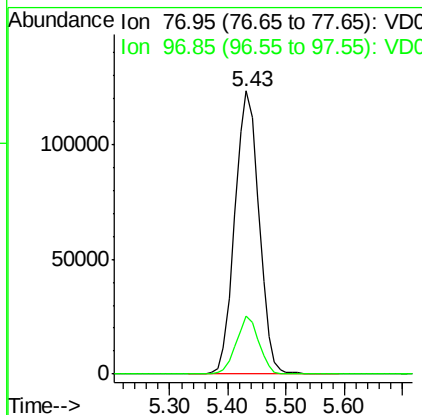
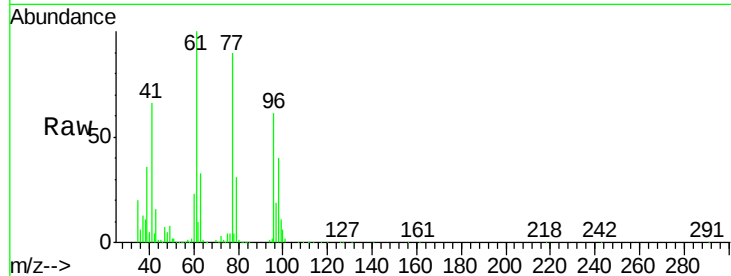
#27
 2,2-Dichloropropane
 Concen: 92.19 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tgt Ion: 77 Resp: 356566
 Ion Ratio Lower Upper
 77 100
 97 20.6 10.4 31.1

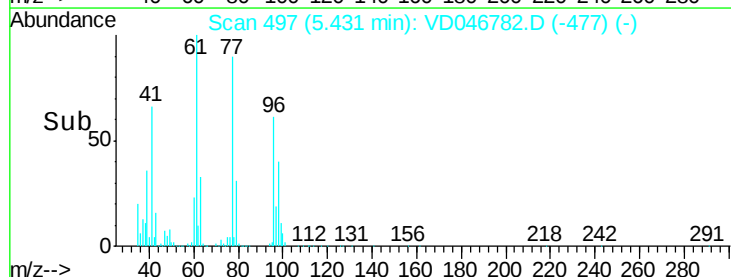
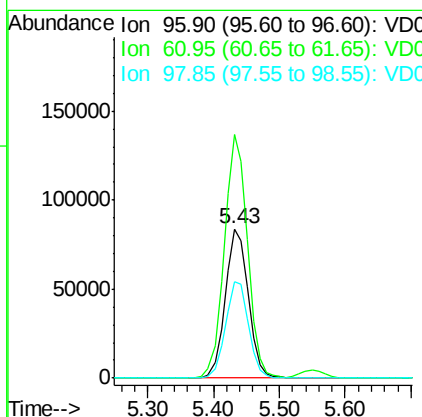
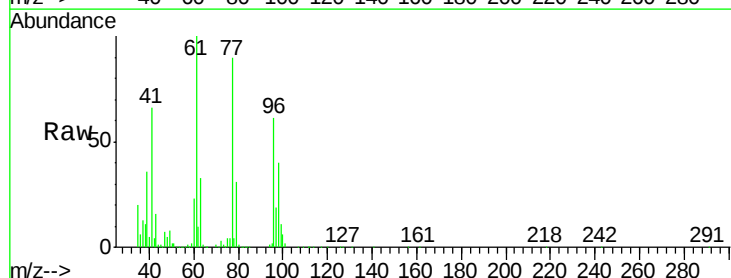
Manual Integrations
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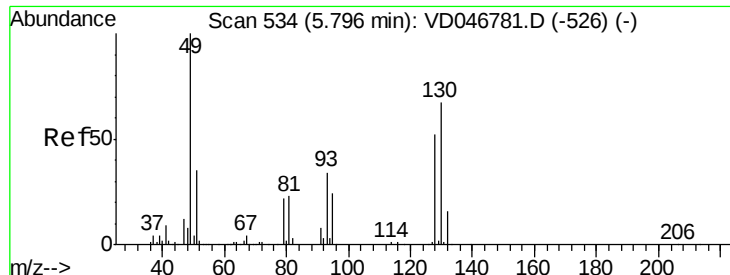
MMDadoda
 9/21/2015 11:38:51 AM



#28
 cis-1,2-Dichloroethene
 Concen: 92.76 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 96 Resp: 205062
 Ion Ratio Lower Upper
 96 100
 61 163.0 0.0 348.0
 98 64.6 0.0 128.8





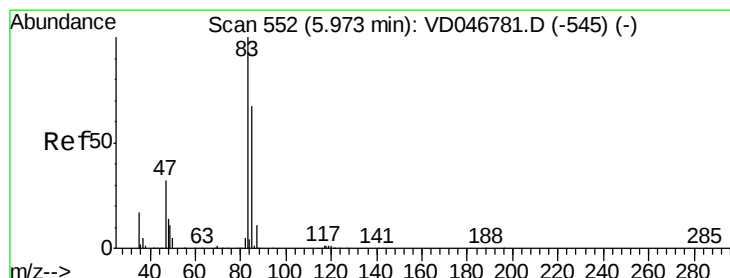
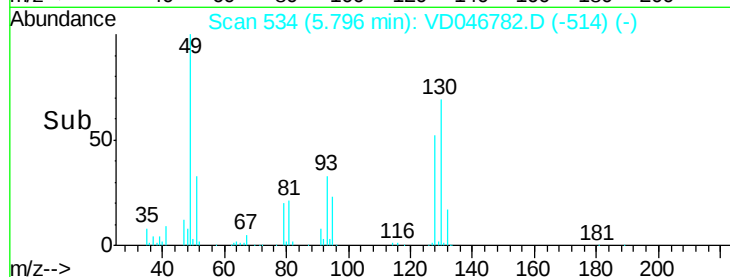
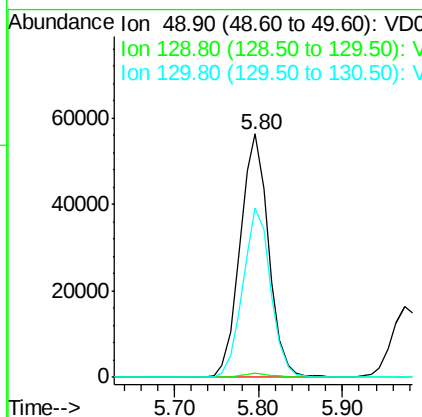
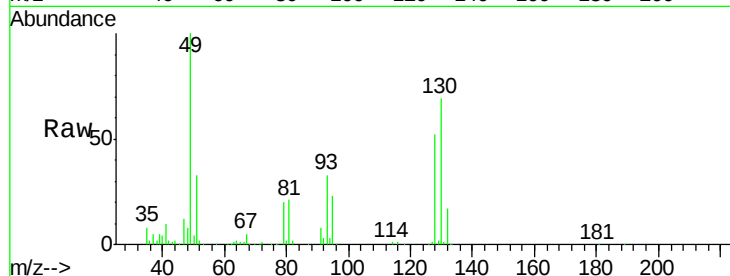
#29
Bromochloromethane
Concen: 85.02 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.8
130	69.3	50.2	75.4

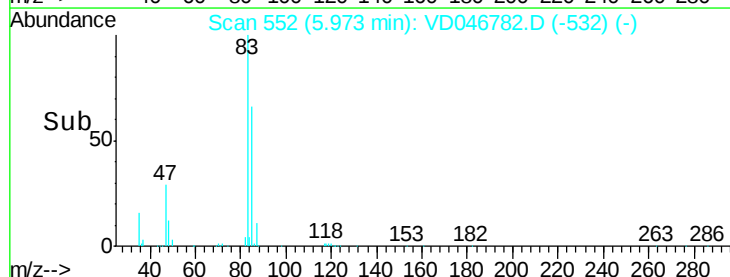
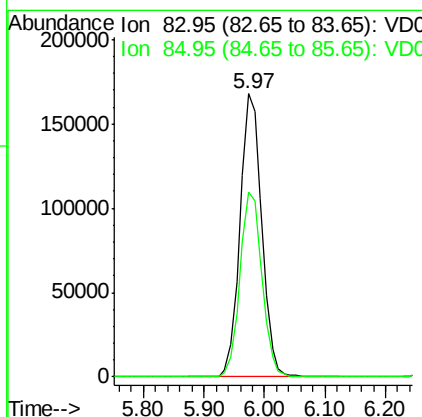
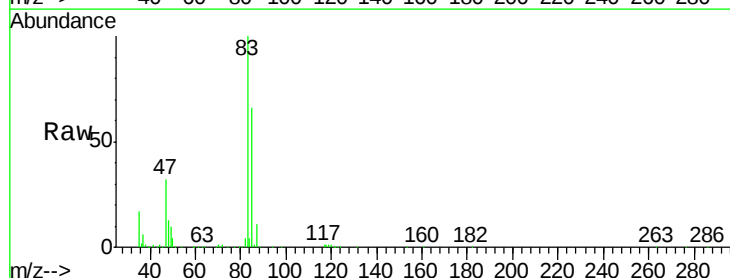
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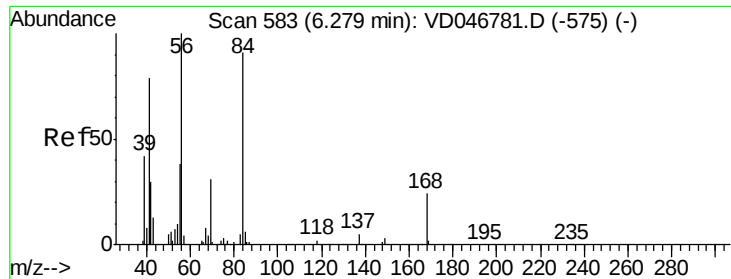
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9/21/2015 11:38:51 AM



#30
Chloroform
Concen: 90.53 ug/l
RT: 5.97 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





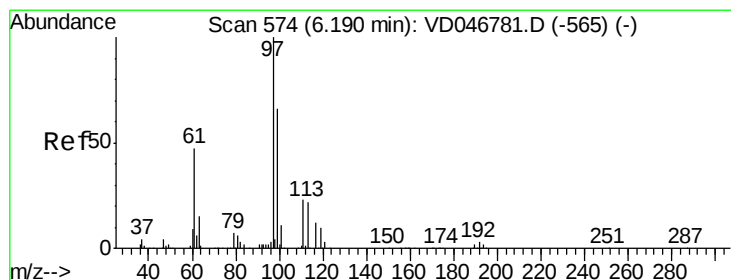
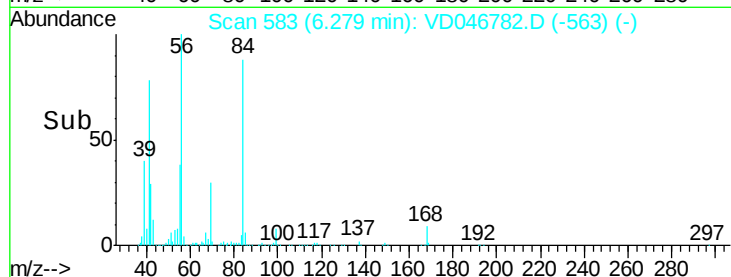
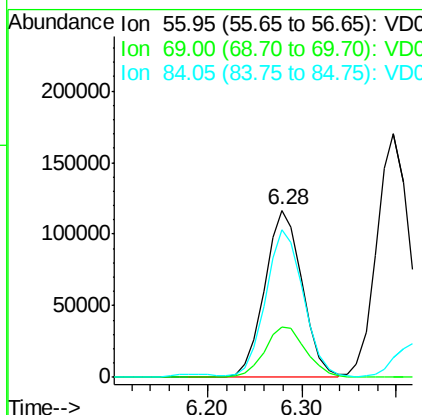
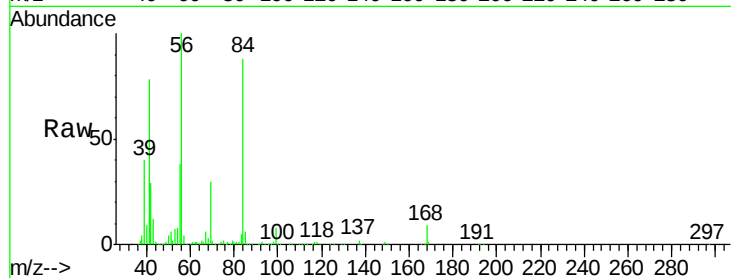
#31
Cyclohexane
Concen: 88.82 ug/l
RT: 6.28 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.4	35.0
84	88.0	63.8	95.8

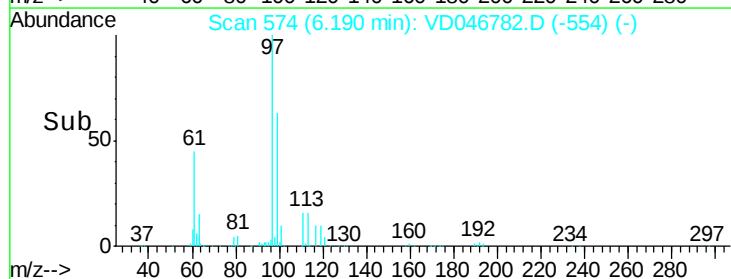
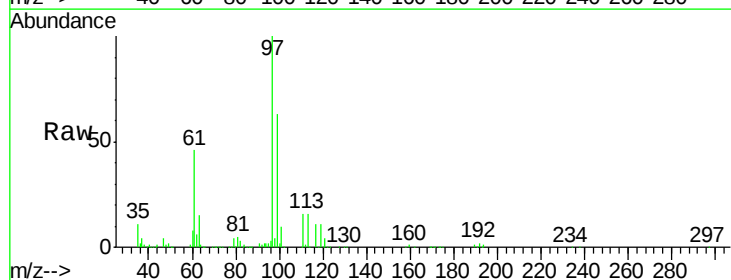
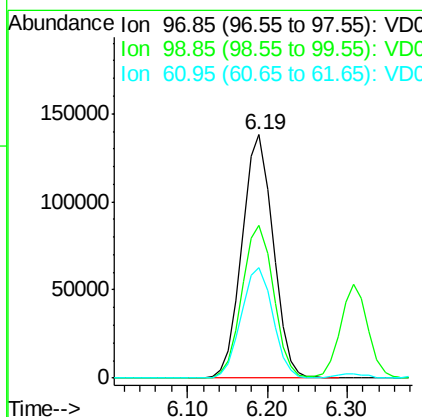
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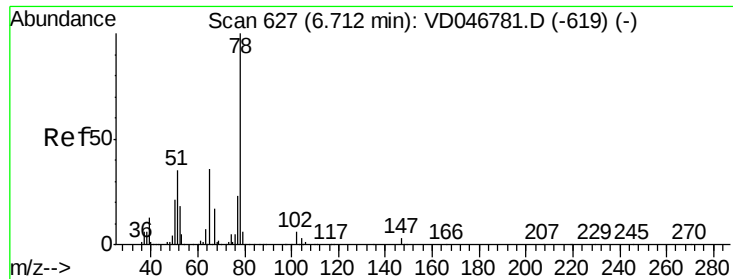
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#32
1,1,1-Trichloroethane
Concen: 93.26 ug/l
RT: 6.19 min Scan# 574
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.2	75.4
61	45.5	38.6	57.8





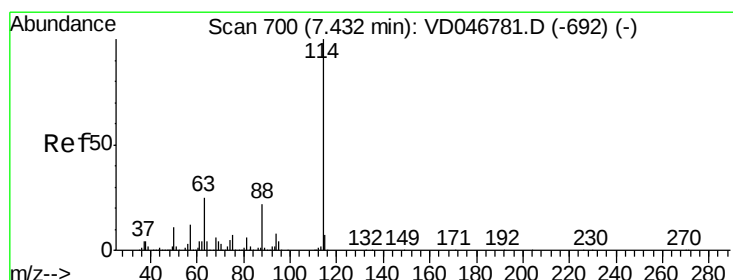
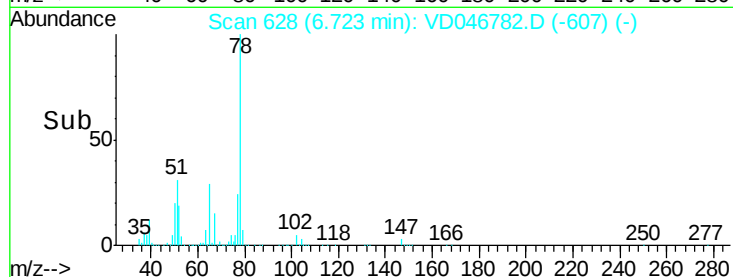
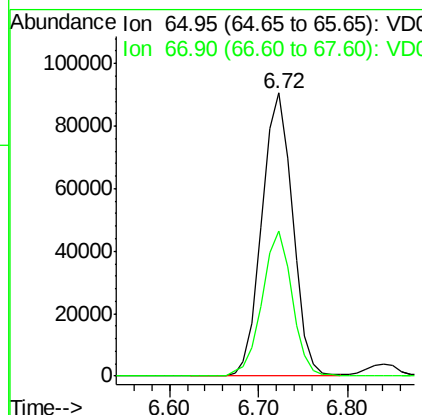
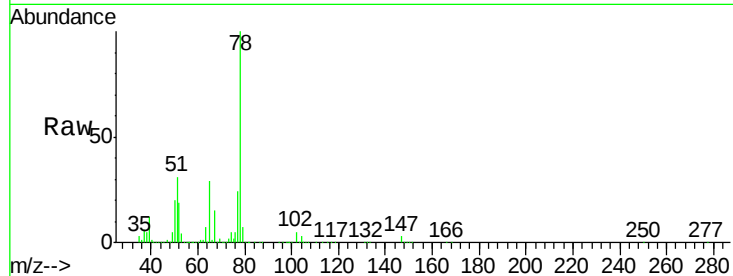
#33
 1,2-Dichloroethane-d4
 Concen: 93.26 ug/l
 RT: 6.72 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	216792		
67	51.5	0.0	105.4	

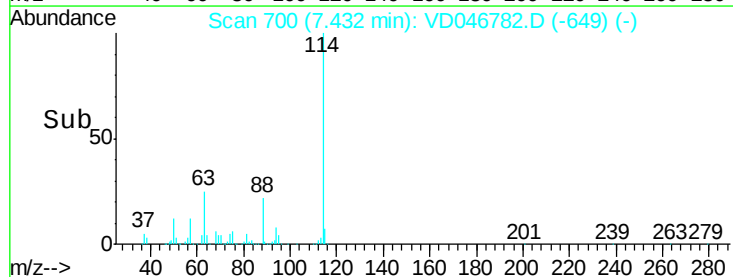
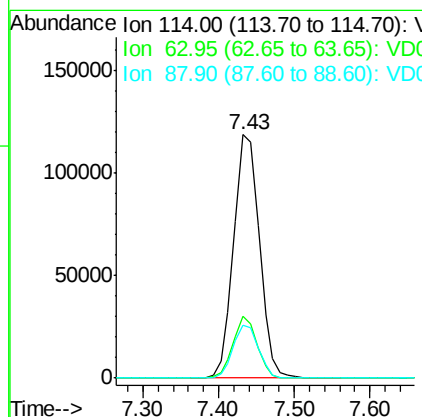
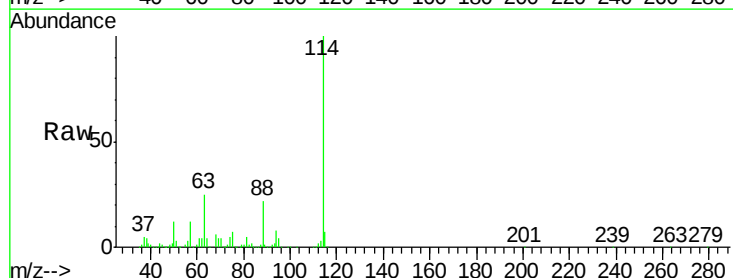
Manual Integrations
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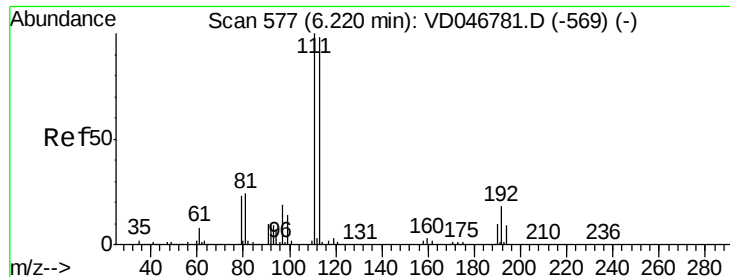
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	279295		
63	25.2	0.0	49.8	
88	21.8	0.0	43.6	





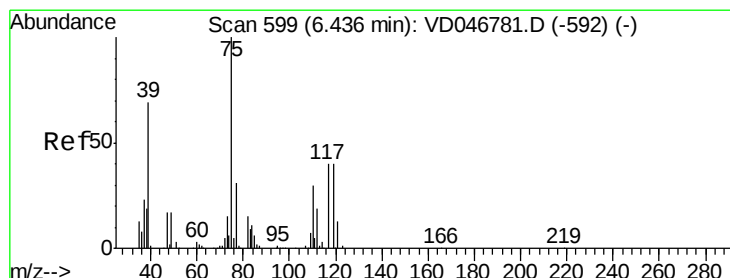
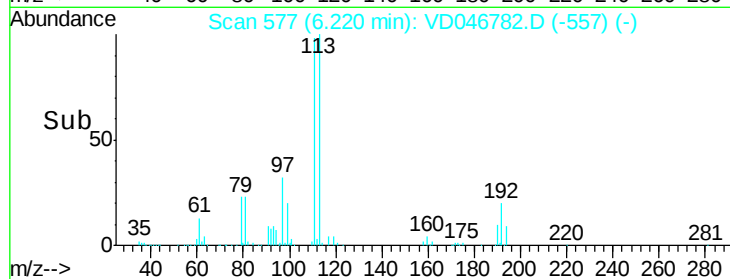
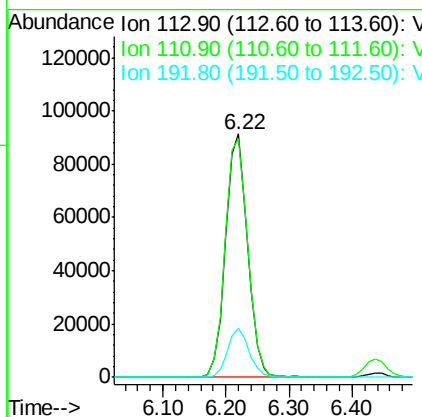
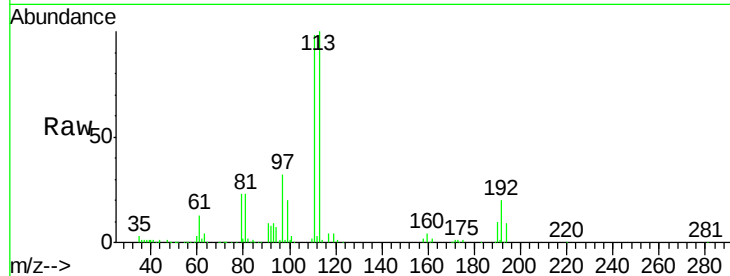
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	219977		
111	98.0	79.4	119.0	
192	20.0	14.6	22.0	

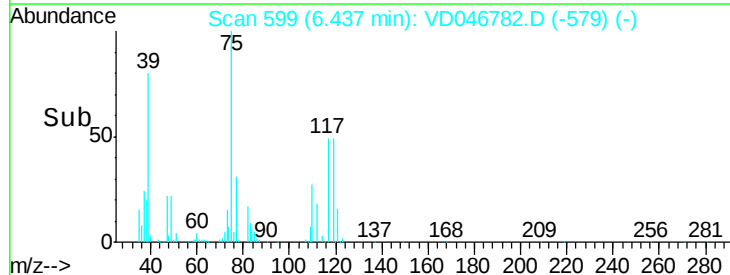
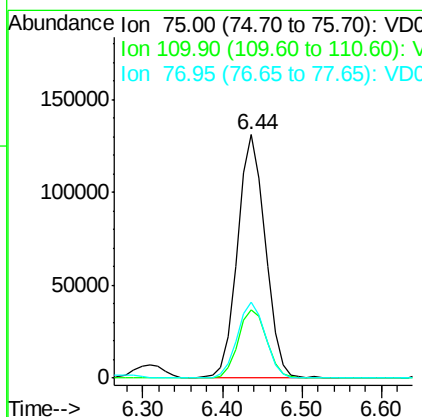
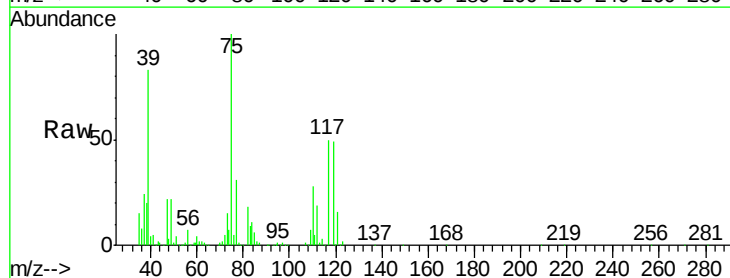
Manual Integrations
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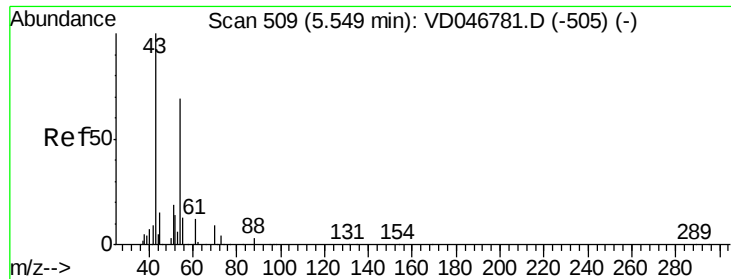
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#36
 1,1-Dichloropropene
 Concen: 94.58 ug/l
 RT: 6.44 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	315287		
110	27.9	13.7	41.0	
77	31.2	24.7	37.1	





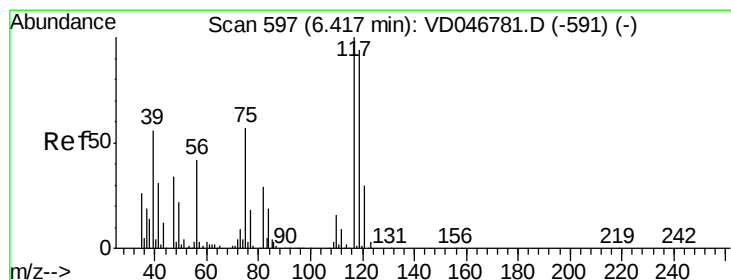
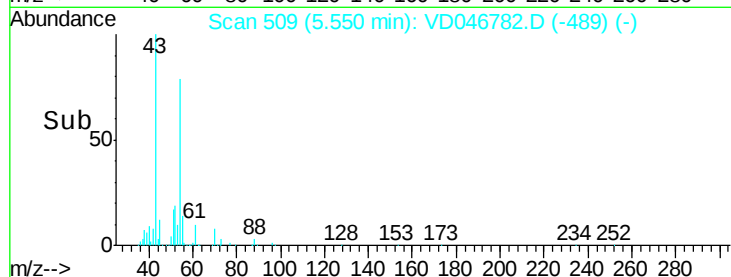
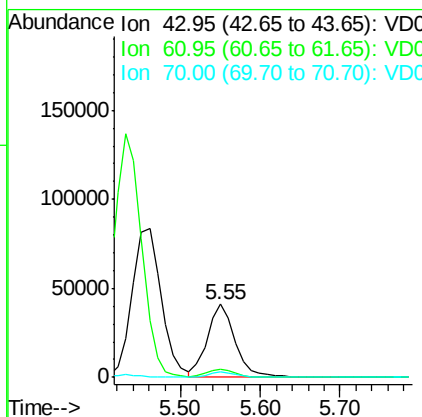
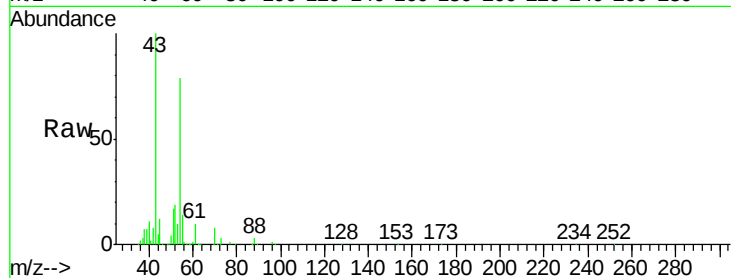
#37
Ethyl Acetate
Concen: 86.46 ug/l
RT: 5.55 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.4	9.4	14.2
70	7.7	6.0	9.0

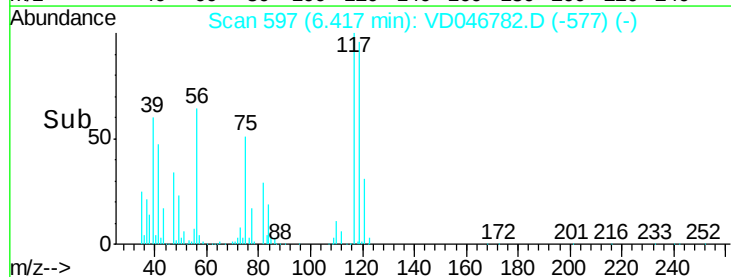
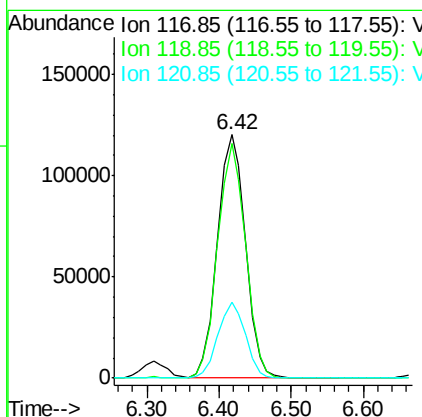
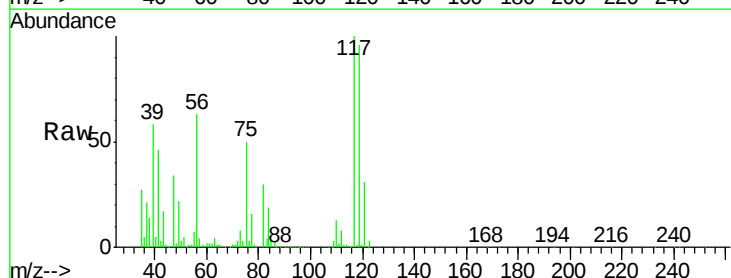
Manual Integrations
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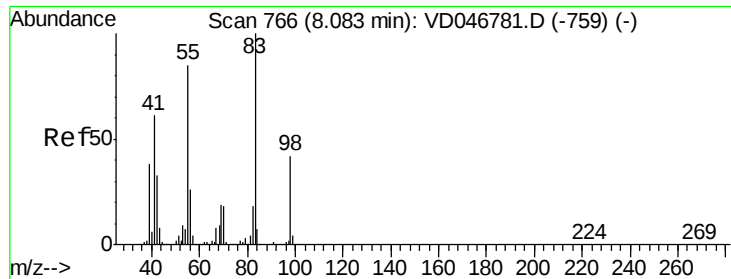
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#38
Carbon Tetrachloride
Concen: 95.84 ug/l
RT: 6.42 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.4
121	31.4	24.5	36.7





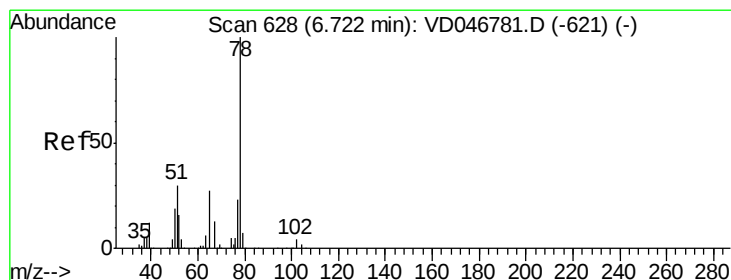
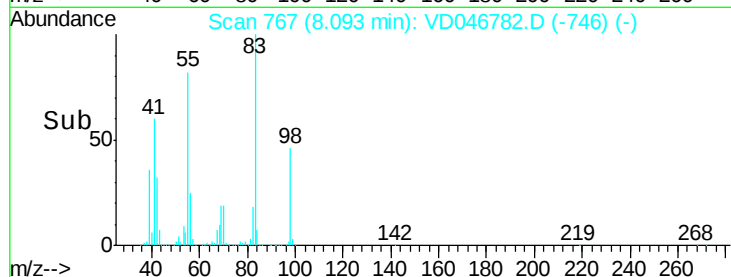
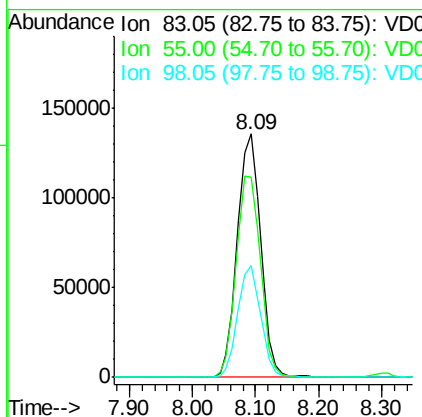
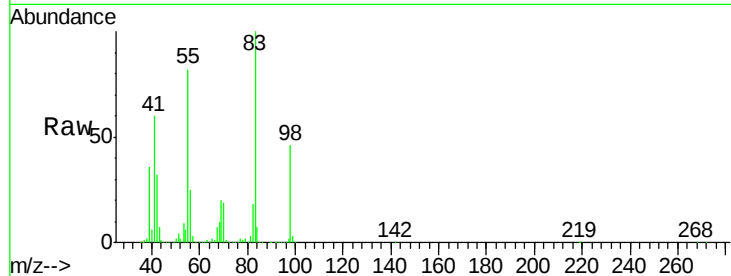
#39
Methylcyclohexane
Concen: 103.75 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	349053		
55	82.2	71.1	106.7	
98	45.8	34.6	51.8	

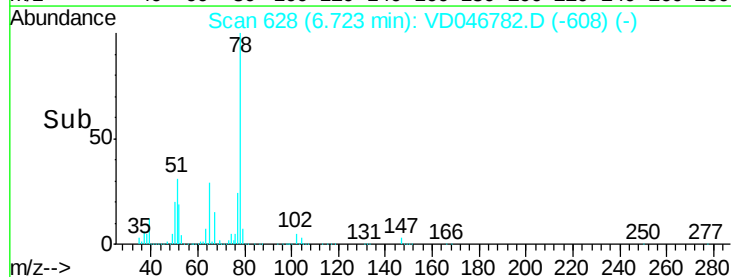
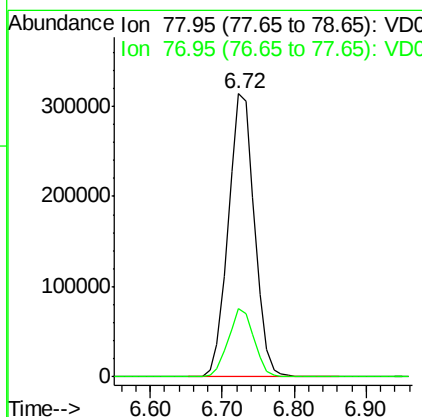
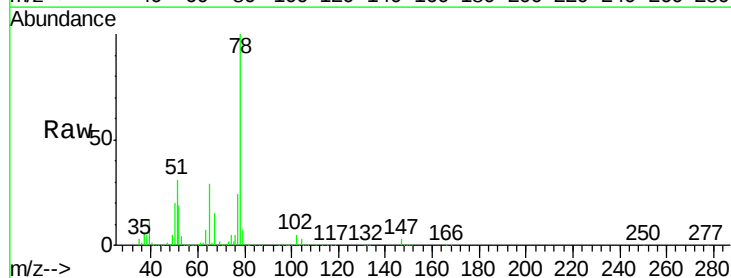
Manual Integrations
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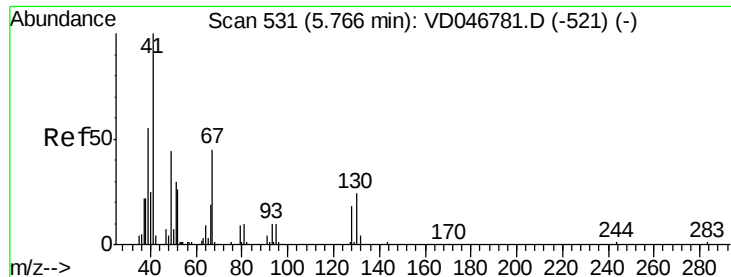
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#40
Benzene
Concen: 91.71 ug/l
RT: 6.72 min Scan# 628
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	793091		
77	24.2	19.9	29.9	





#41

Methacrylonitrile

Concen: 106.77 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

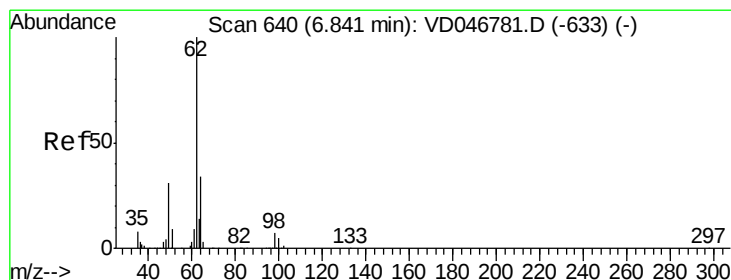
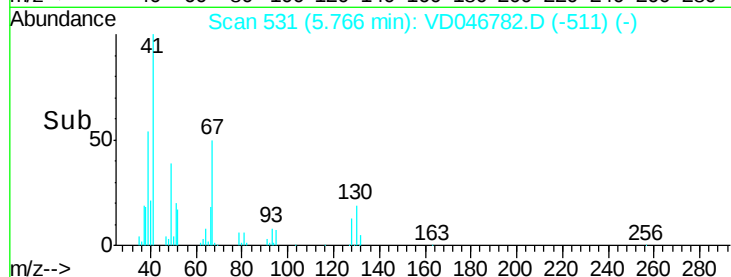
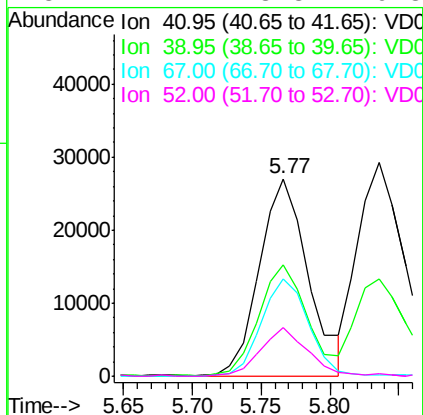
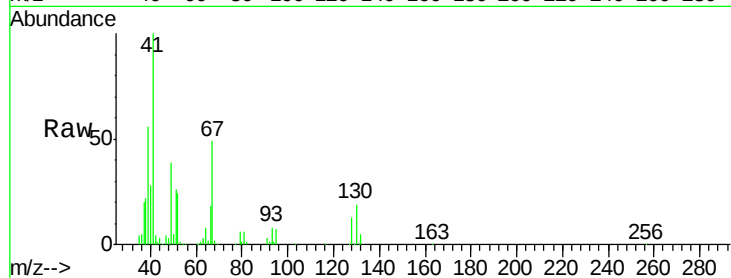
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.1	40.2	60.4
67	49.0	32.0	48.0#
52	24.4	13.8	20.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 95.79 ug/l

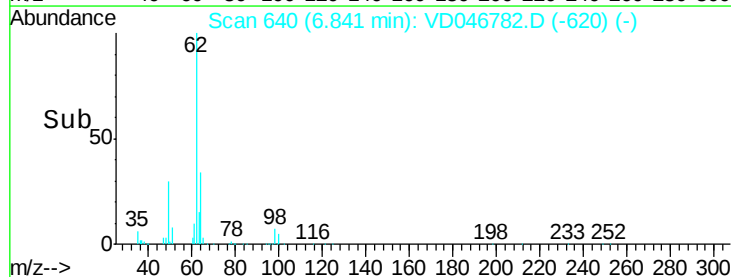
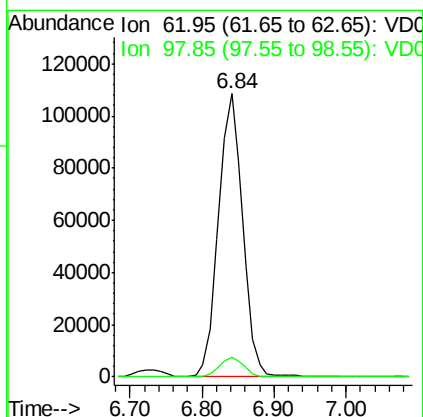
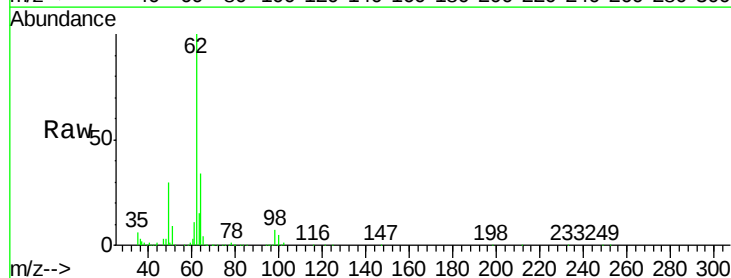
RT: 6.84 min Scan# 640

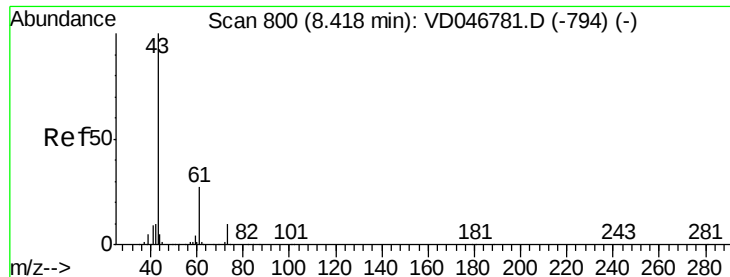
Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 108.15 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

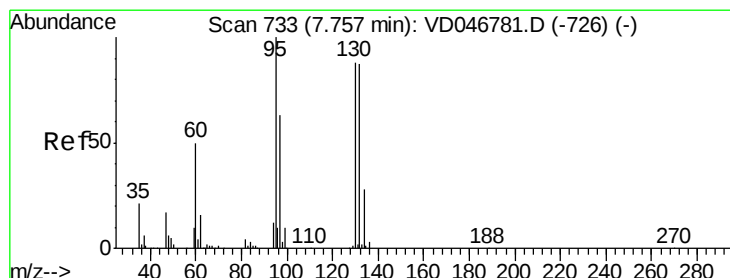
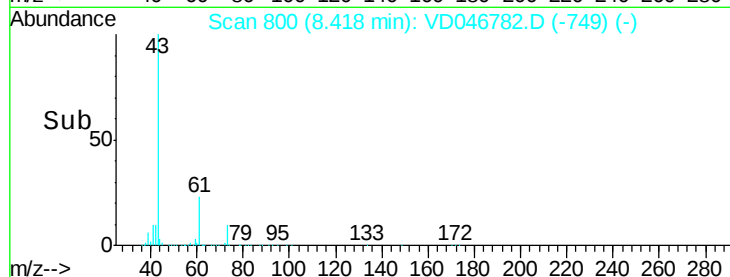
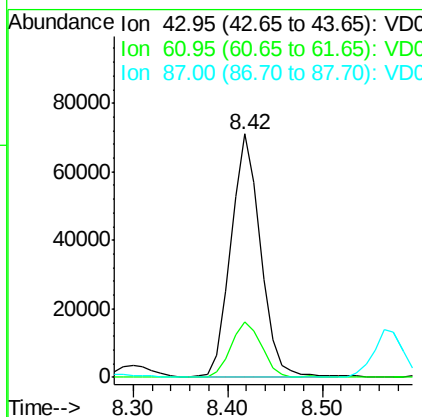
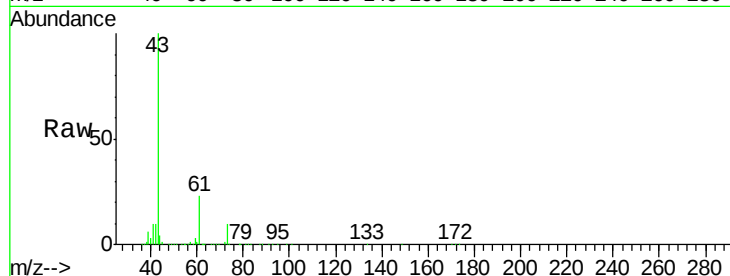
ClientSampleId :

VSTDICC100

Tgt Ion:	43	Resp:	153102
Ion	Ratio	Lower	Upper
43	100		
61	22.8	19.5	29.3
87	0.1	0.2	0.2#

Manual Integrations
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#44

Trichloroethene

Concen: 97.12 ug/l

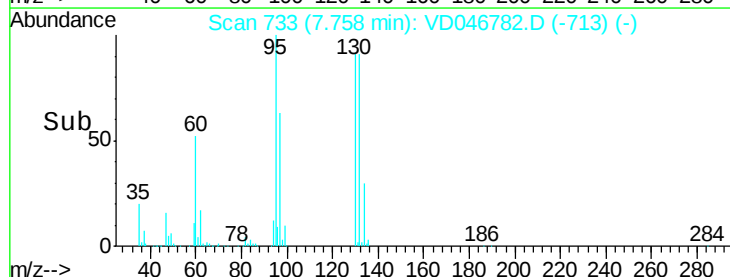
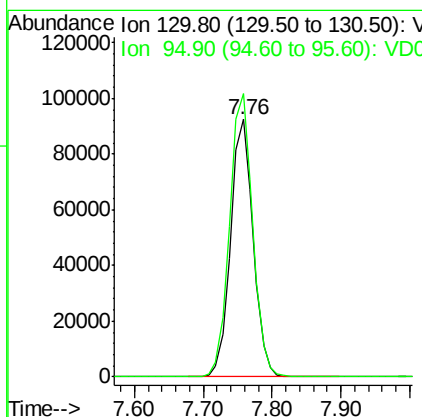
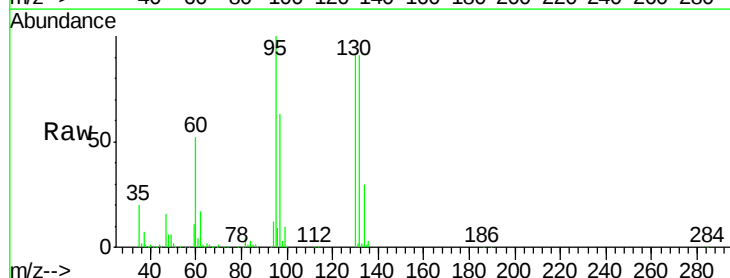
RT: 7.76 min Scan# 733

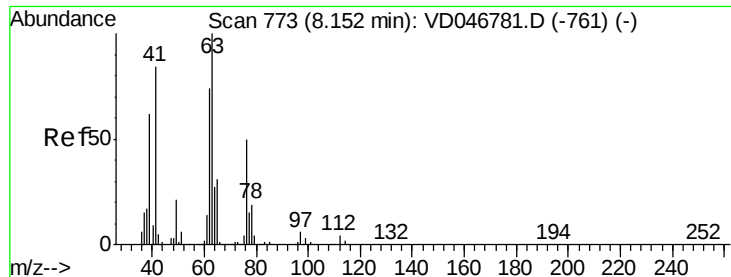
Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion:	130	Resp:	209507
Ion	Ratio	Lower	Upper
130	100		
95	110.0	0.0	229.4





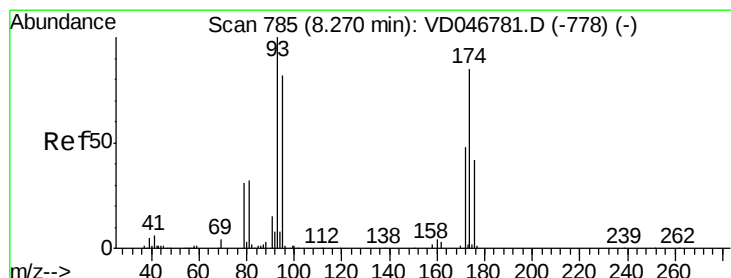
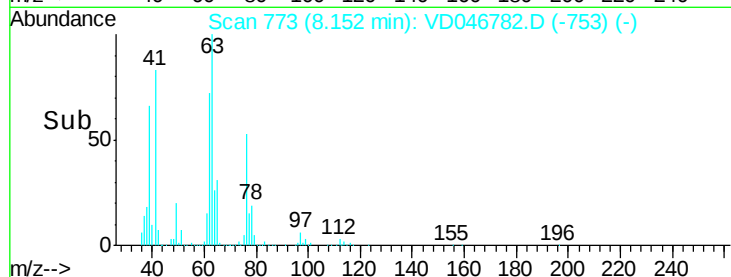
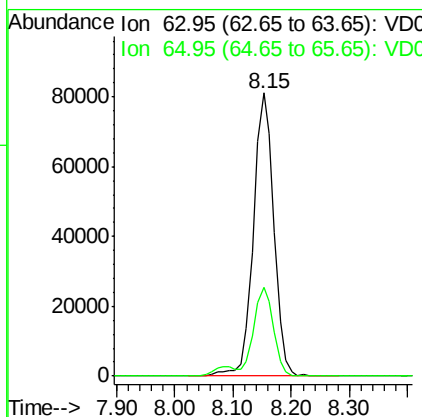
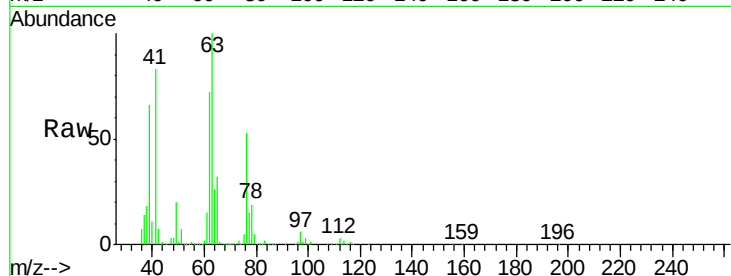
#45
 1,2-Dichloropropane
 Concen: 95.18 ug/l
 RT: 8.15 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 201685
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.1 37.7

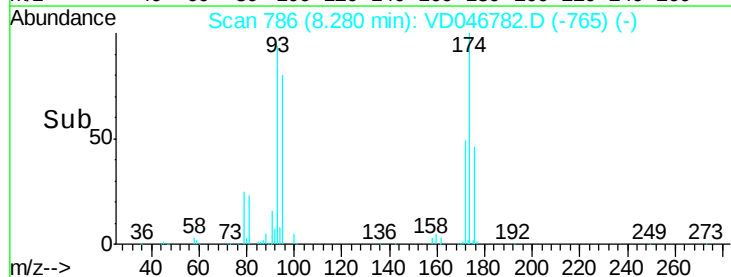
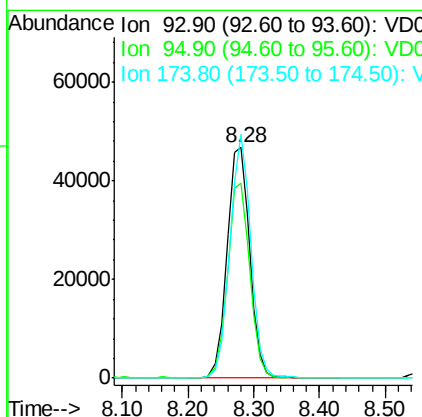
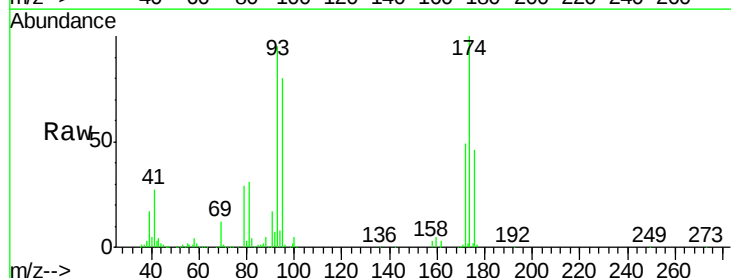
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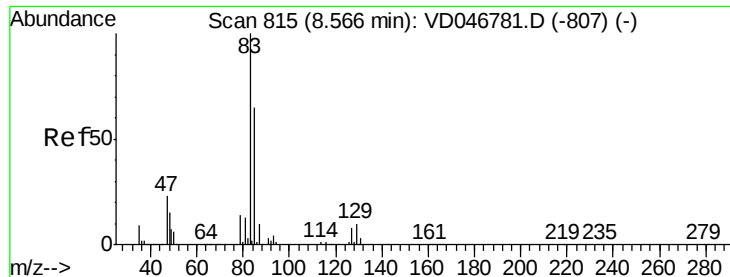
MMDadoda
 9/21/2015 11:38:51 AM



#46
 Dibromomethane
 Concen: 96.71 ug/l
 RT: 8.28 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 93 Resp: 113211
 Ion Ratio Lower Upper
 93 100
 95 84.7 70.2 105.2
 174 105.6 79.0 118.4





#47

Bromodichloromethane

Concen: 97.56 ug/l

RT: 8.57 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 301210
Ion Ratio Lower Upper

83 100

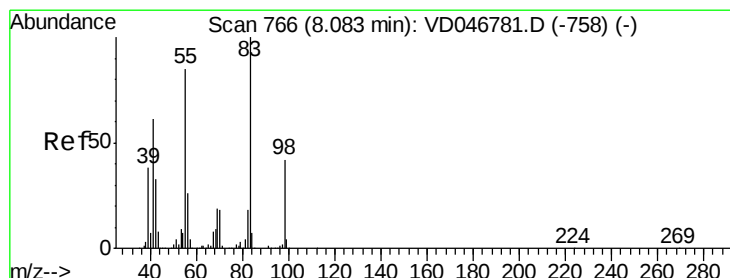
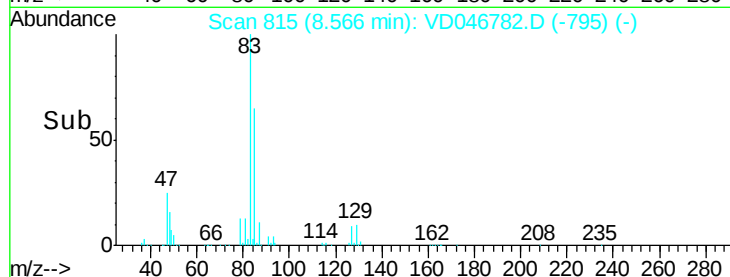
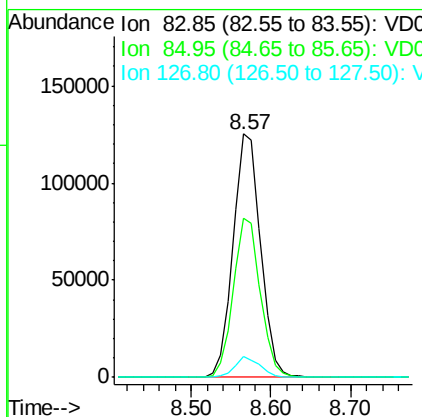
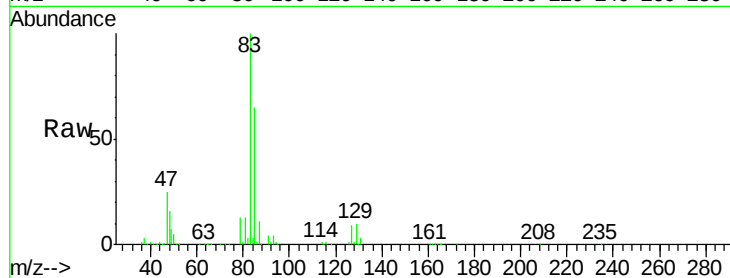
85 65.1 52.6 78.8

127 8.7 5.7 8.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 101.04 ug/l

RT: 8.08 min Scan# 766

Delta R.T. 0.00 min

Lab File: VD046782.D

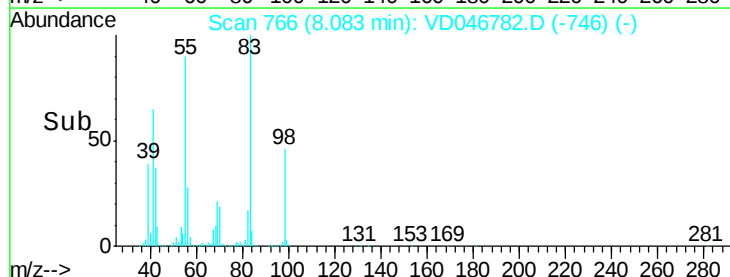
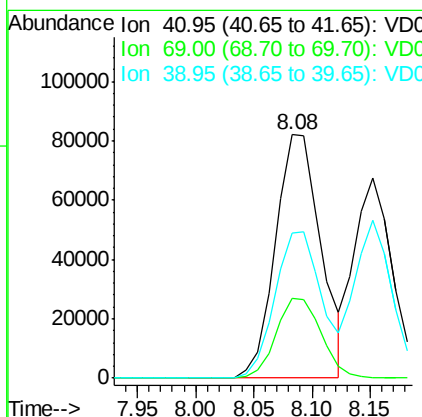
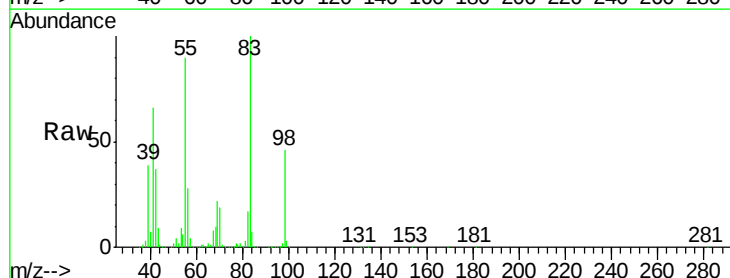
Acq: 18 Sep 2015 13:41

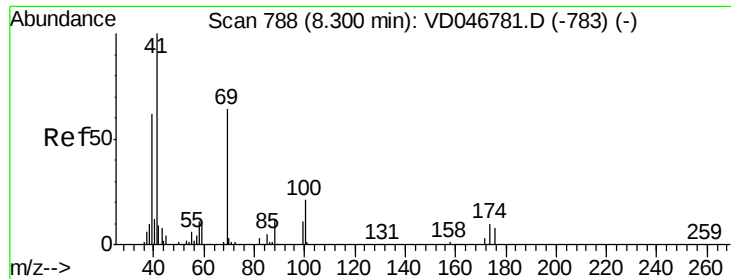
Tgt Ion: 41 Resp: 222633
Ion Ratio Lower Upper

41 100

69 32.9 25.3 37.9

39 59.8 47.4 71.0





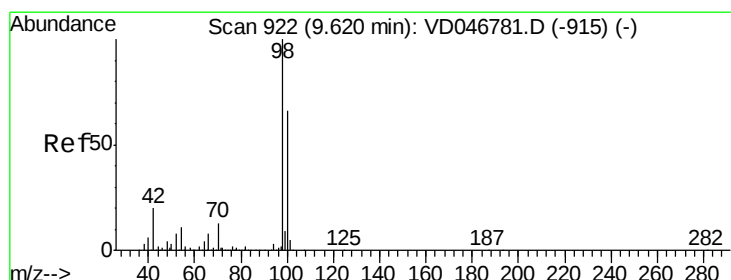
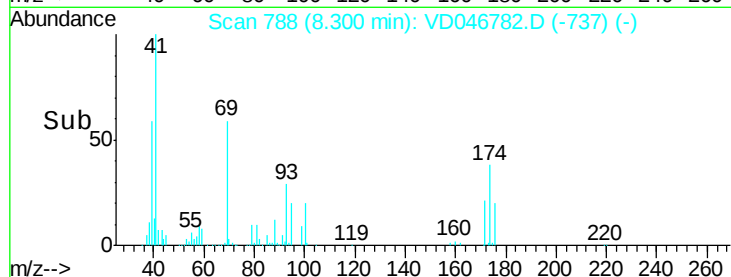
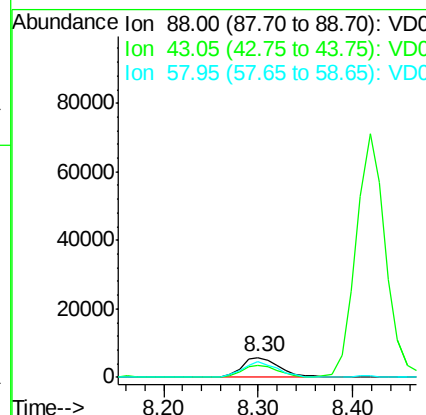
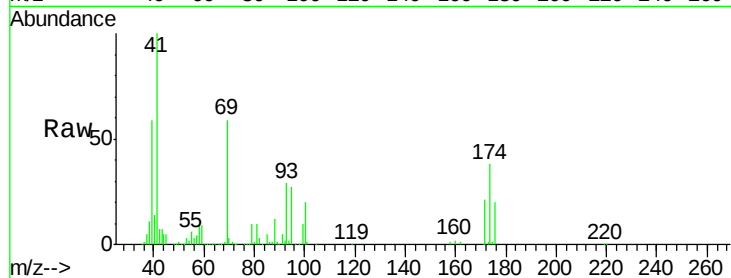
#49
1,4-Dioxane
Concen: 2133.03 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
88	100		
43	60.8	50.0	75.0
58	78.5	48.3	72.5

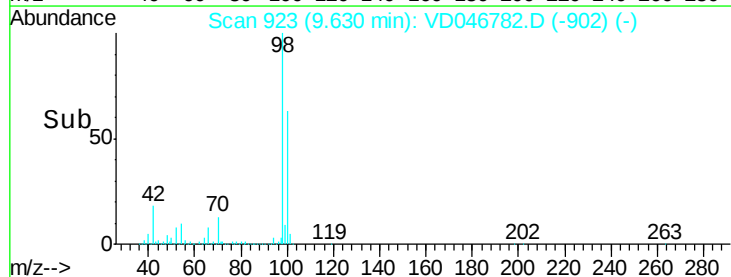
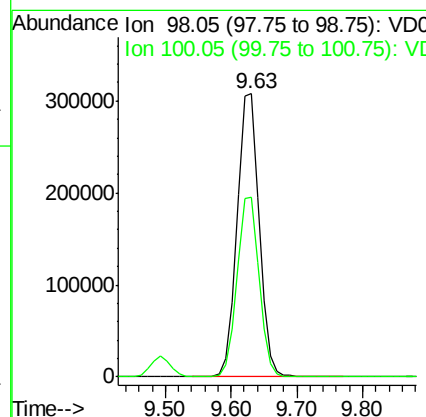
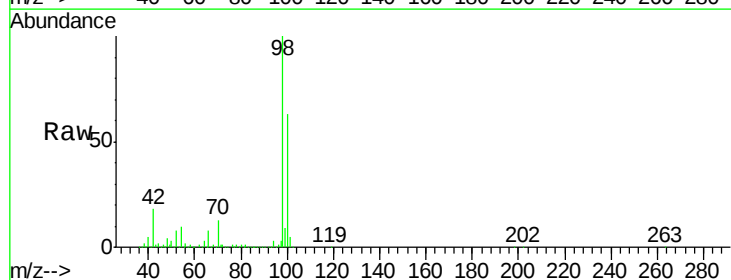
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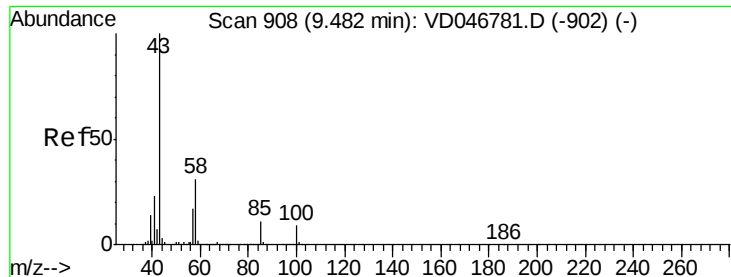
MMDadoda
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#50
Toluene-d8
Concen: 2133.03 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 539.45 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 544376

Ion Ratio Lower Upper

43 100

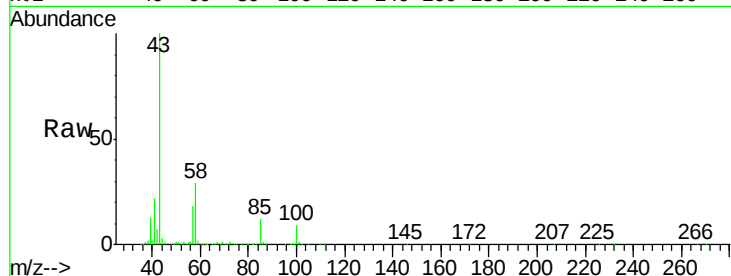
58 29.2 22.2 33.2

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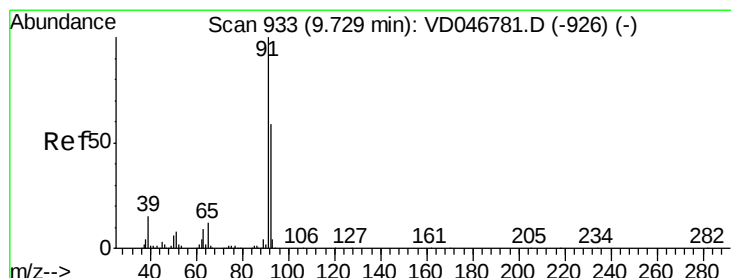
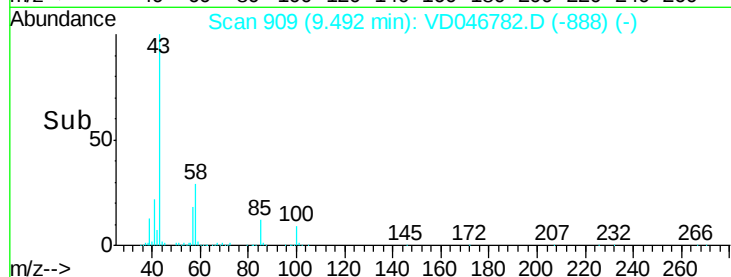
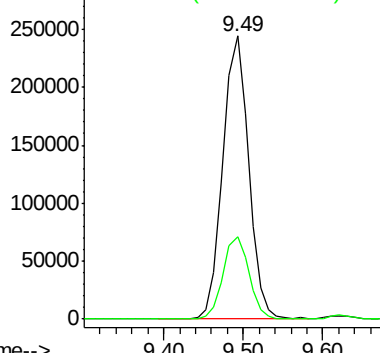
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 100.09 ug/l

RT: 9.73 min Scan# 933

Delta R.T. 0.00 min

Lab File: VD046782.D

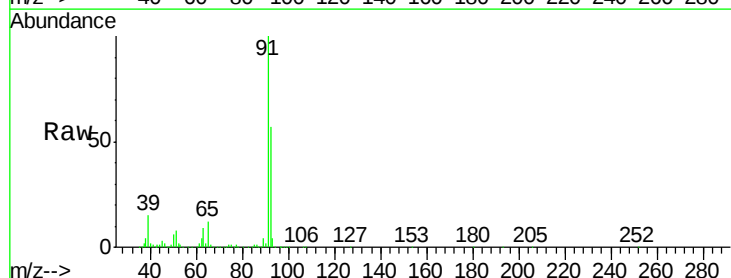
Acq: 18 Sep 2015 13:41

Tgt Ion: 92 Resp: 522020

Ion Ratio Lower Upper

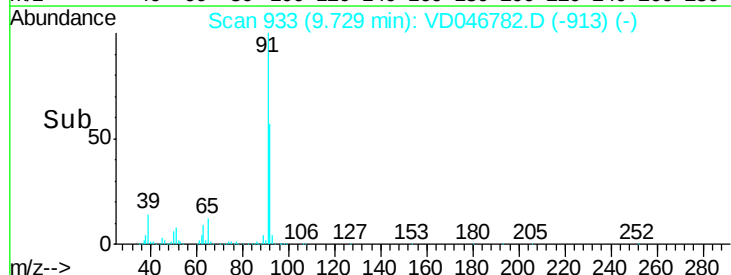
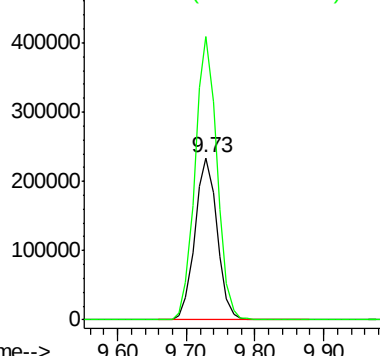
92 100

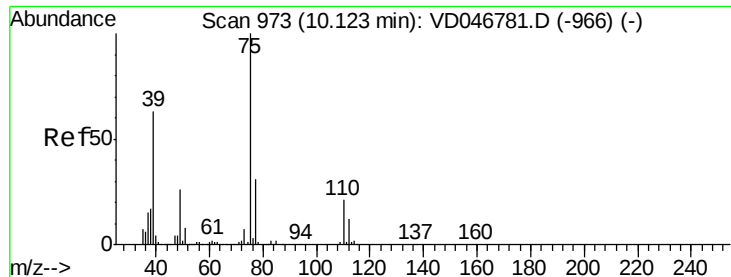
91 174.6 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 110.72 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 249986

Ion Ratio Lower Upper

75 100

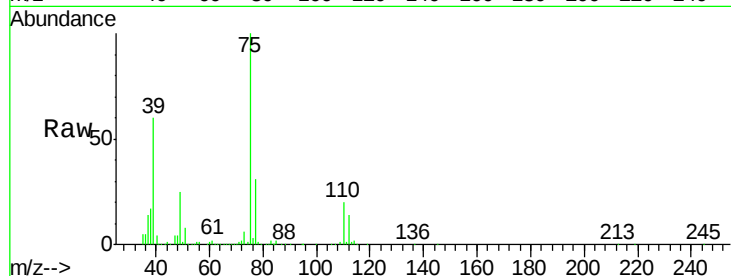
77 31.3 27.6 41.4

Manual Integrations

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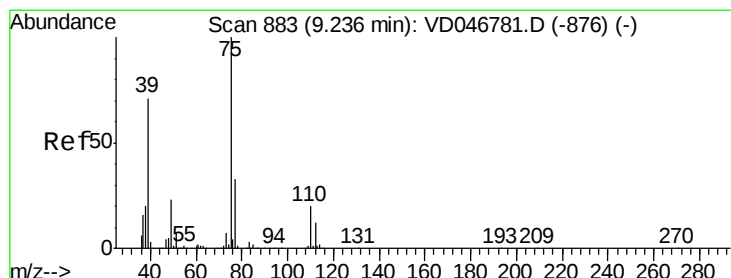
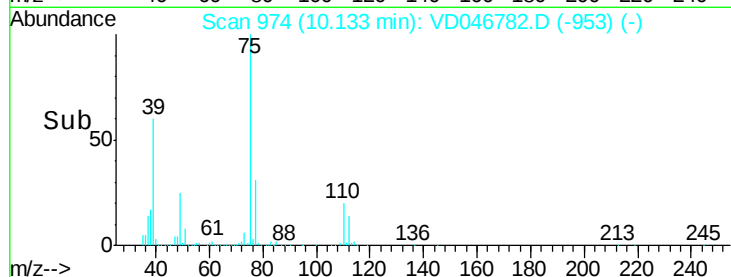
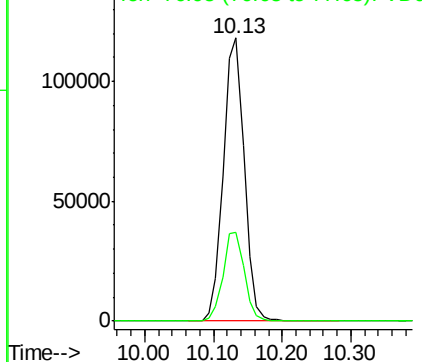
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 105.35 ug/l

RT: 9.24 min Scan# 883

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

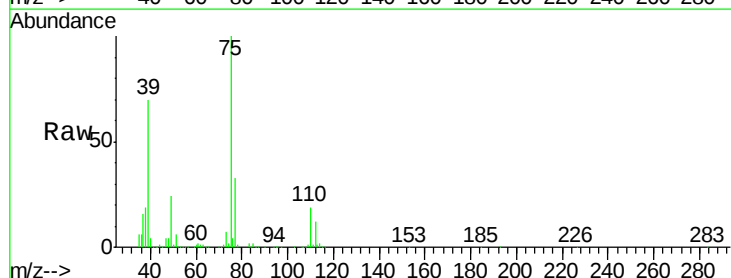
Tgt Ion: 75 Resp: 311069

Ion Ratio Lower Upper

75 100

77 32.5 23.8 35.6

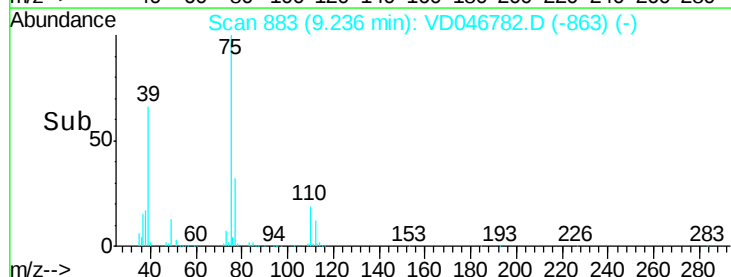
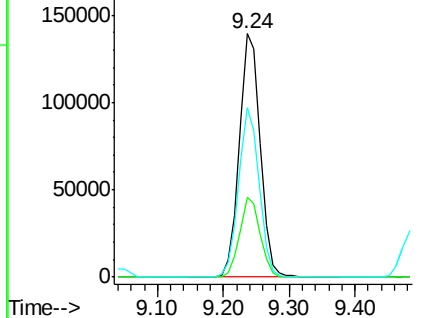
39 69.7 53.0 79.6

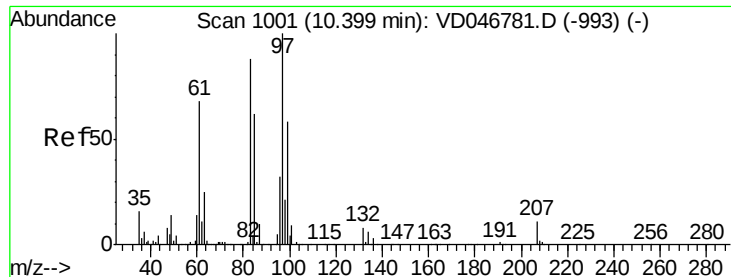


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





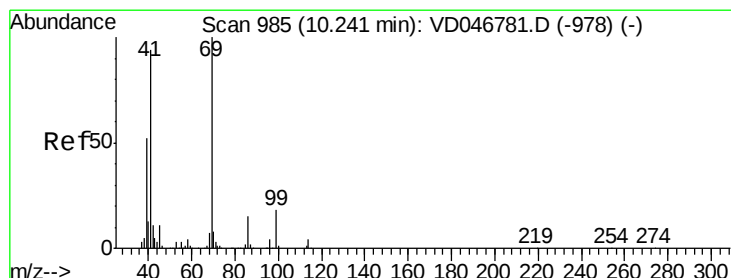
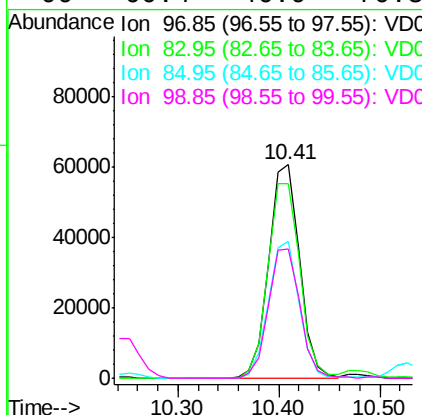
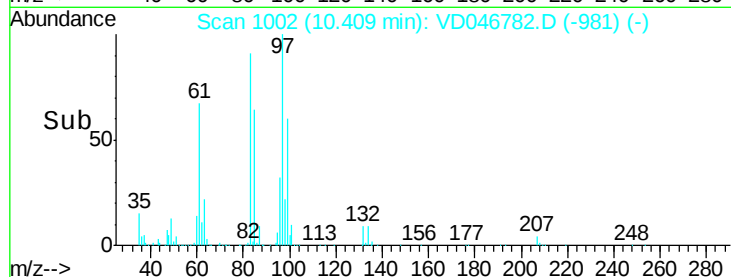
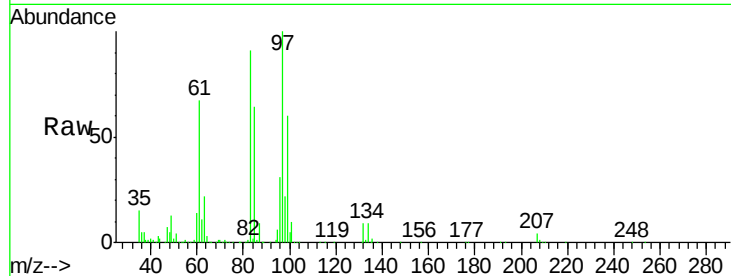
#55
 1,1,2-Trichloroethane
 Concen: 99.33 ug/l
 RT: 10.41 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.9	75.3	112.9
85	64.0	50.9	76.3
99	60.4	46.9	70.3

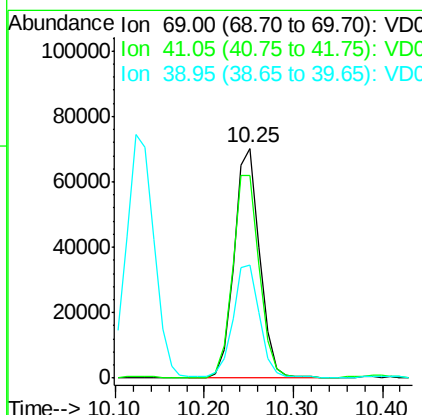
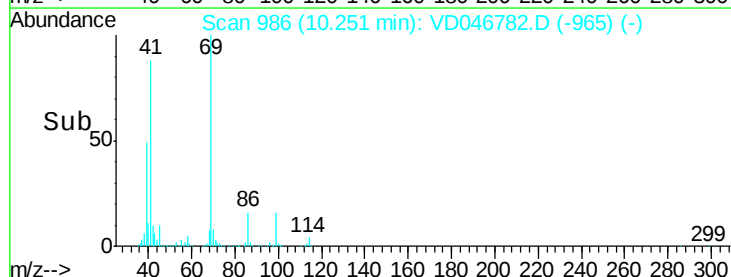
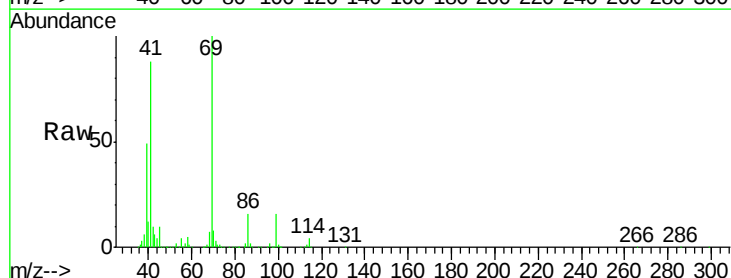
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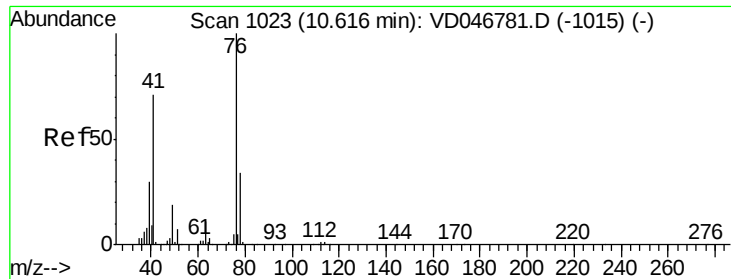
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#56
 Ethyl methacrylate
 Concen: 120.57 ug/l
 RT: 10.25 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	87.8	75.4	113.0
39	49.3	41.0	61.4





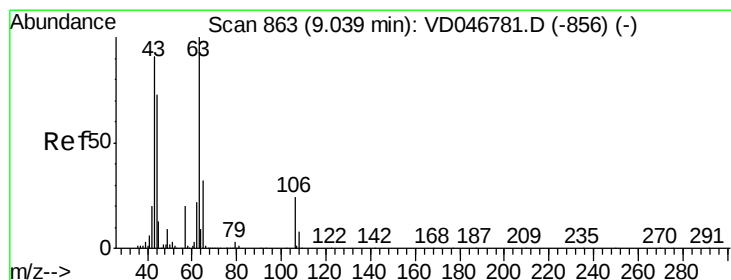
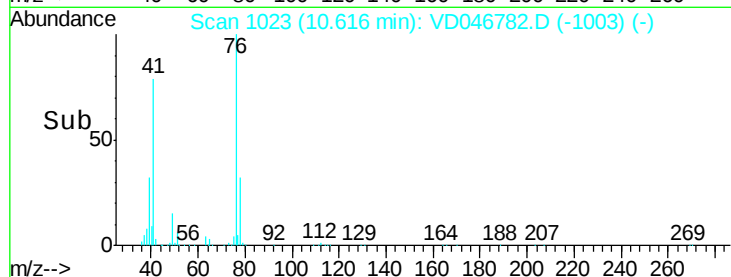
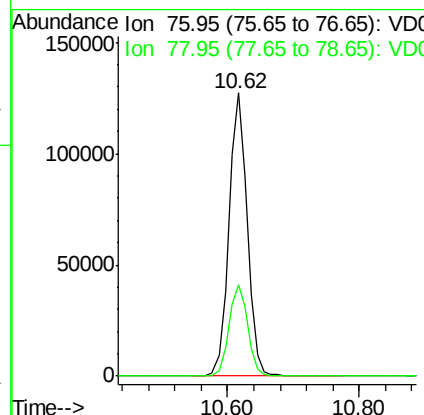
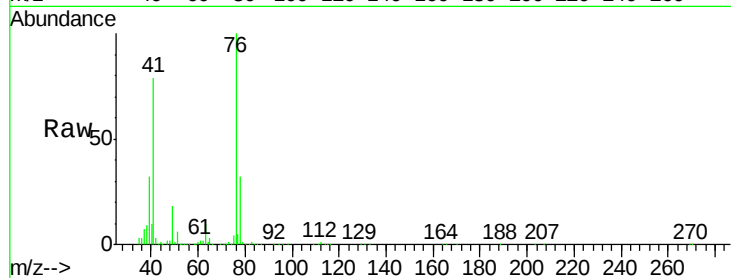
#57
 1,3-Dichloropropane
 Concen: 100.79 ug/l
 RT: 10.62 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Tgt Ion: 76 Resp: 246471
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.6 39.8

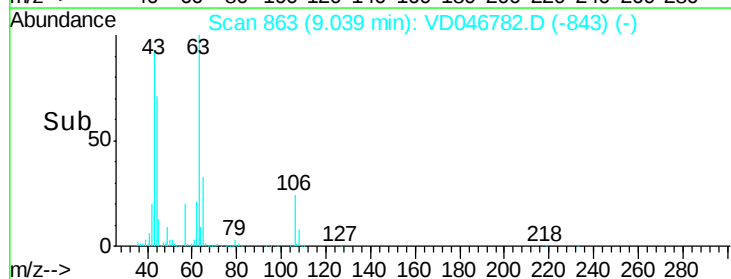
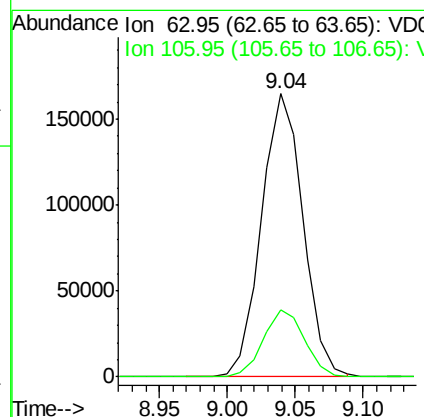
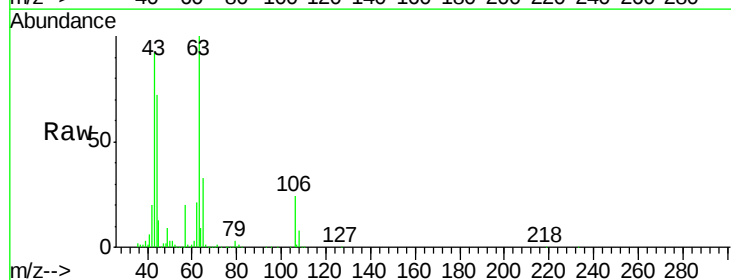
Manual Integrations
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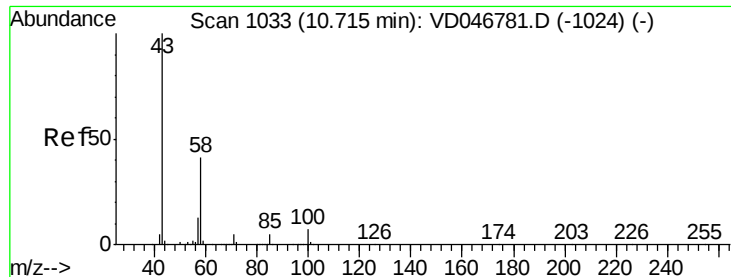
MMDadoda
 9/21/2015 11:38:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 571.13 ug/l m
 RT: 9.04 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 63 Resp: 348428
 Ion Ratio Lower Upper
 63 100
 106 23.6 17.8 26.8





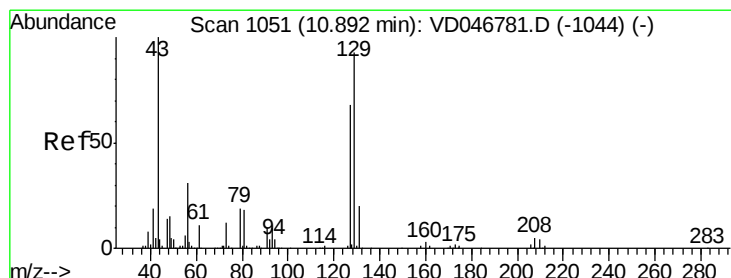
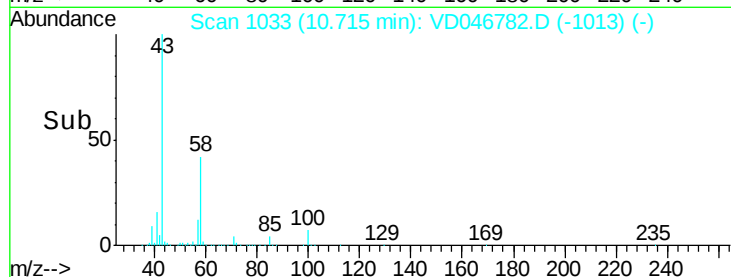
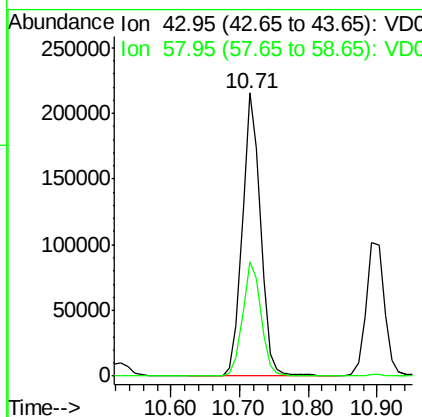
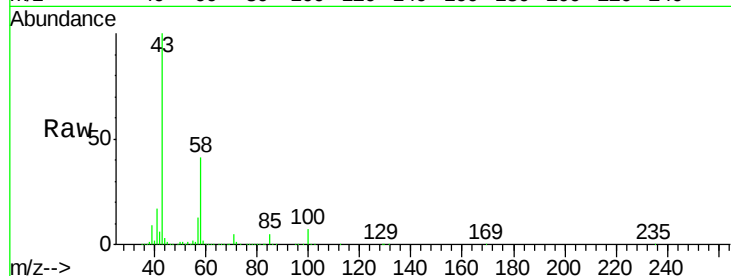
#59
2-Hexanone
Concen: 546.69 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 393147
Ion Ratio Lower Upper
43 100
58 40.5 18.6 55.8

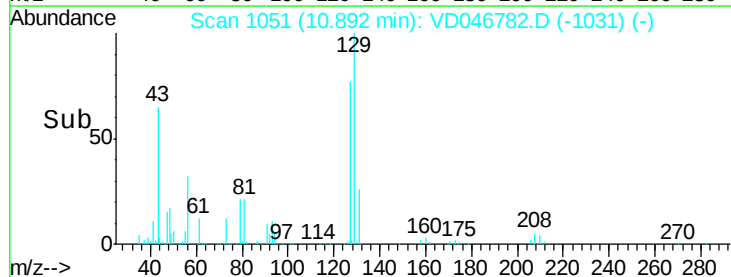
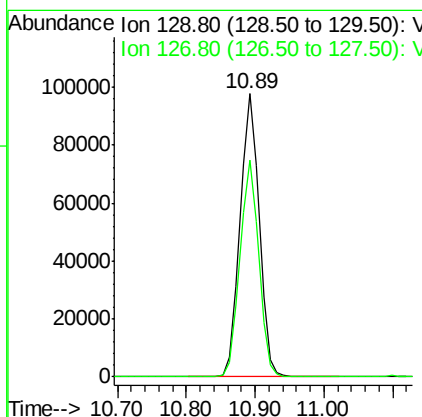
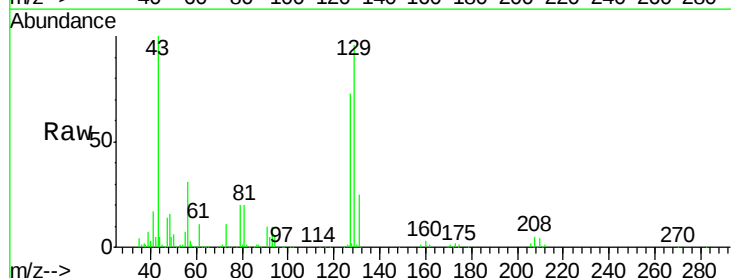
Manual Integrations
APPROVED

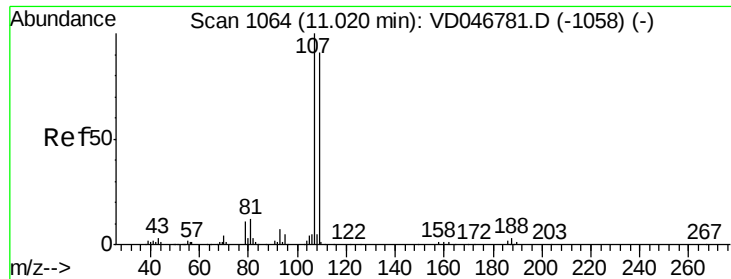
MMDadoda
9/21/2015 11:38:51 AM



#60
Dibromochloromethane
Concen: 105.41 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion: 129 Resp: 188770
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 103.17 ug/l

RT: 11.02 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 107 Resp: 131657
Ion Ratio Lower Upper

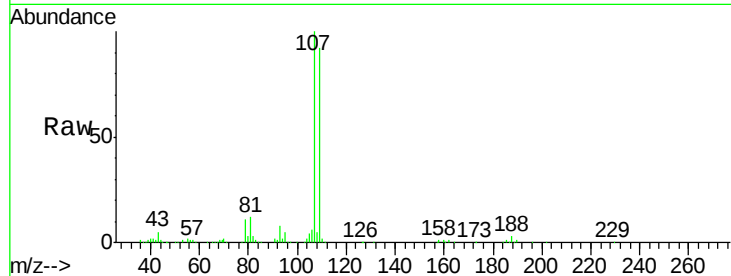
107 100

109 92.1 71.4 107.0

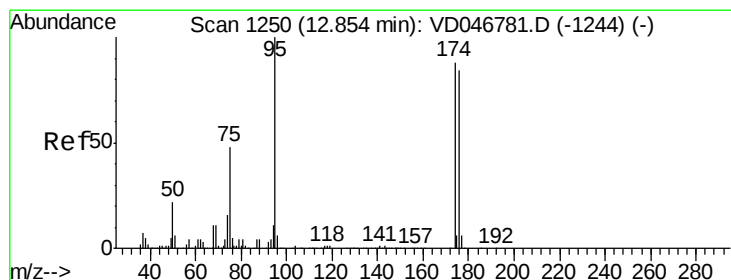
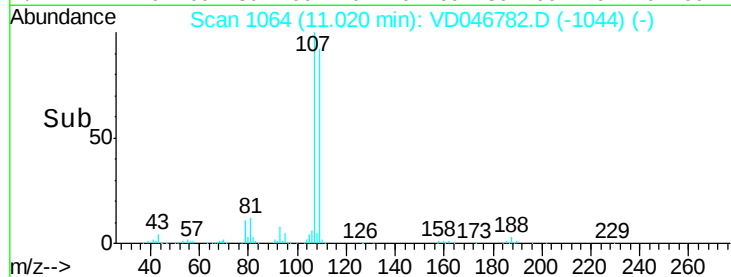
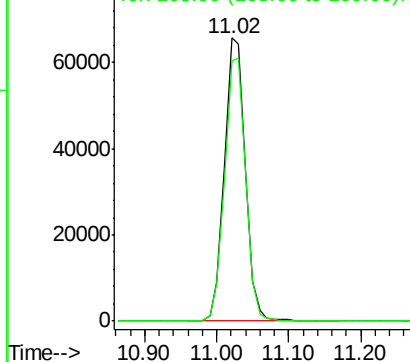
Manual Integrations
APPROVED

MMDadoda

9/21/2015 11:38:51 AM



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 103.17 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD046782.D

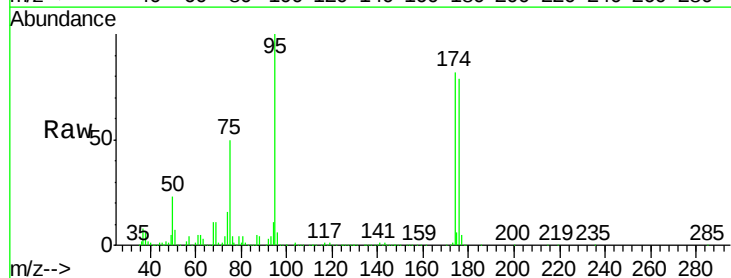
Acq: 18 Sep 2015 13:41

Tgt Ion: 95 Resp: 279230
Ion Ratio Lower Upper

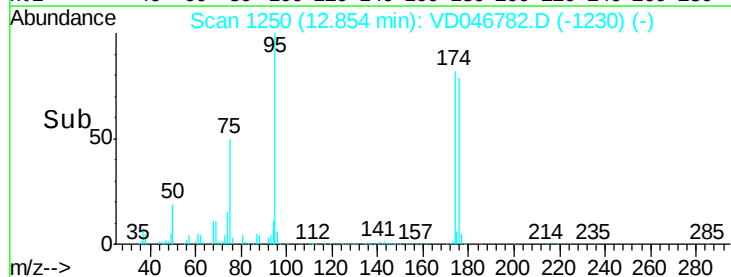
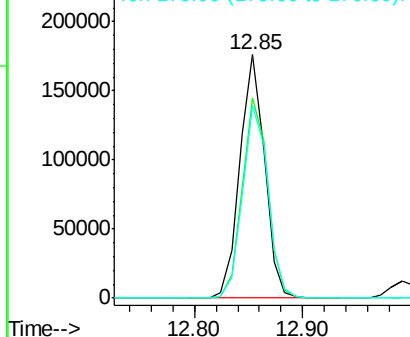
95 100

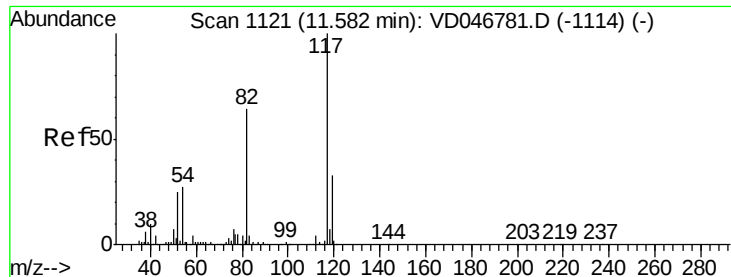
174 82.1 0.0 149.8

176 78.9 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V





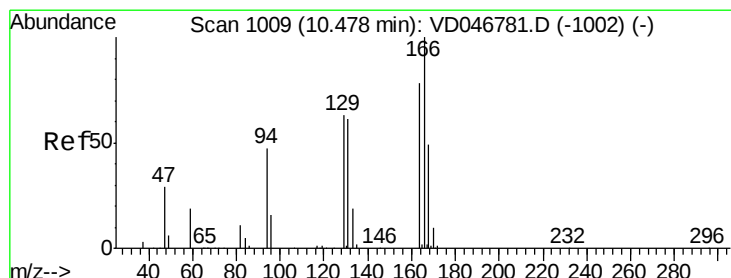
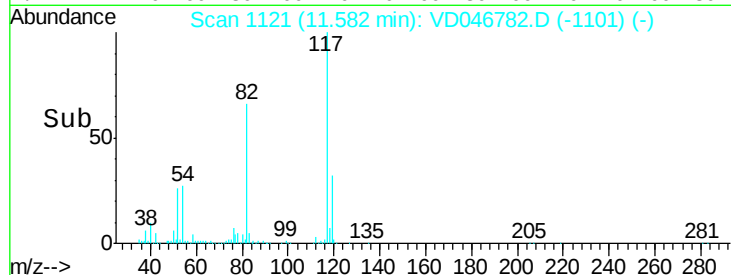
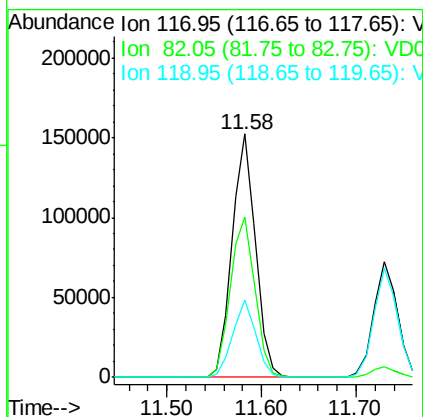
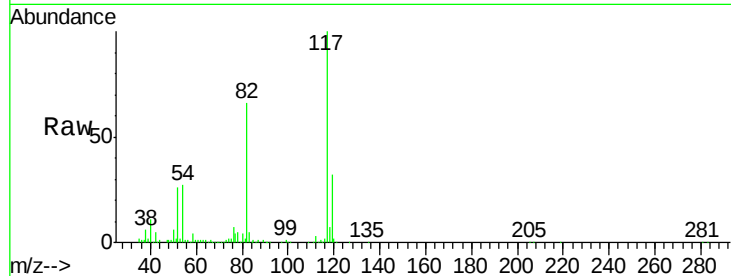
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	261413		
82	66.1	50.6	75.8	
119	31.6	25.8	38.8	

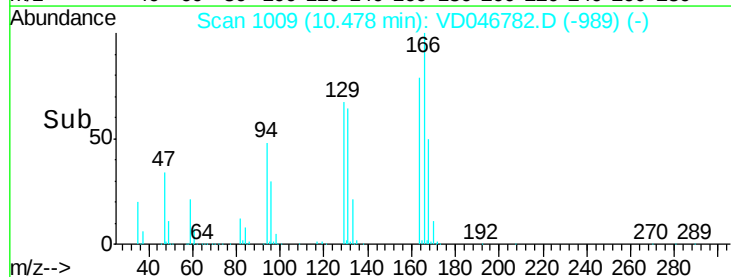
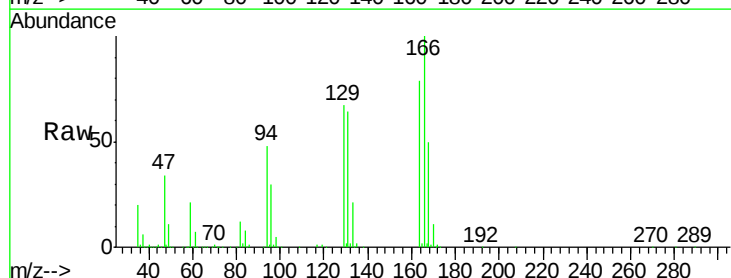
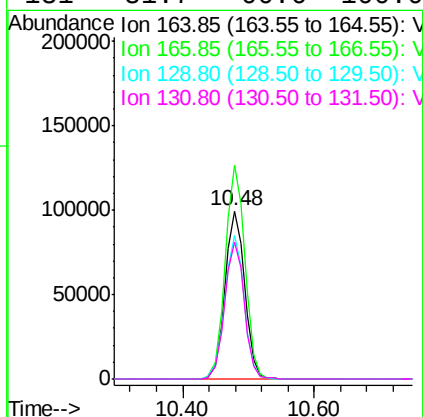
Manual Integrations
APPROVED

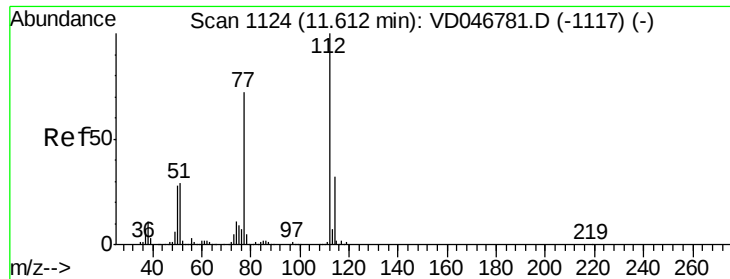
MMDadoda
9/21/2015 11:38:51 AM



#64
Tetrachloroethene
Concen: 94.49 ug/l
RT: 10.48 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209059		
166	127.0	106.8	160.2	
129	85.3	70.6	106.0	
131	81.7	66.6	100.0	





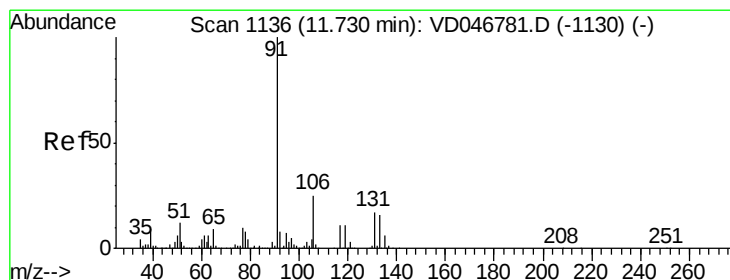
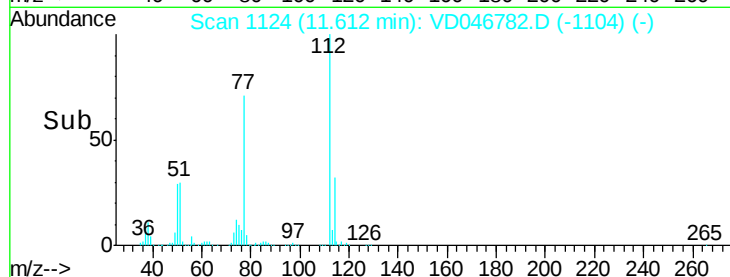
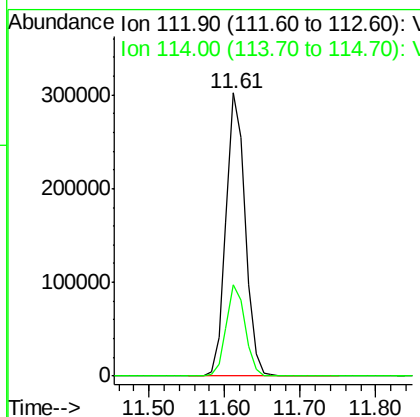
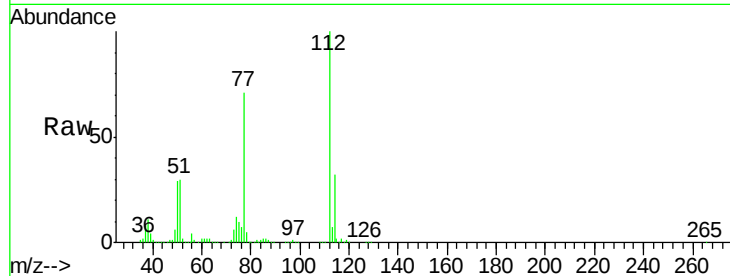
#65
Chlorobenzene
Concen: 94.32 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	531896		
114	32.4	25.3	37.9	

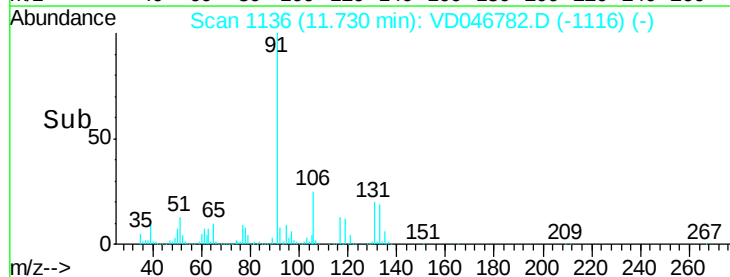
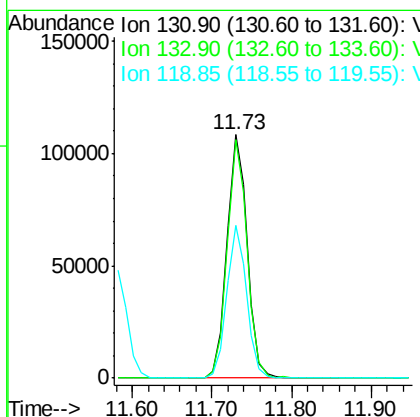
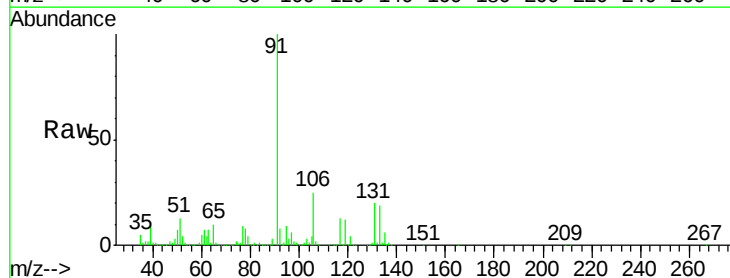
Manual Integrations
APPROVED

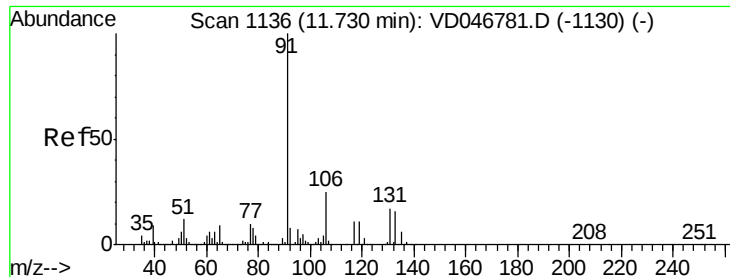
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 92.48 ug/l
RT: 11.73 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	194056		
133	97.8	48.4	145.0	
119	63.0	31.5	94.5	





#67

Ethyl Benzene

Concen: 98.04 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1115575

Ion Ratio Lower Upper

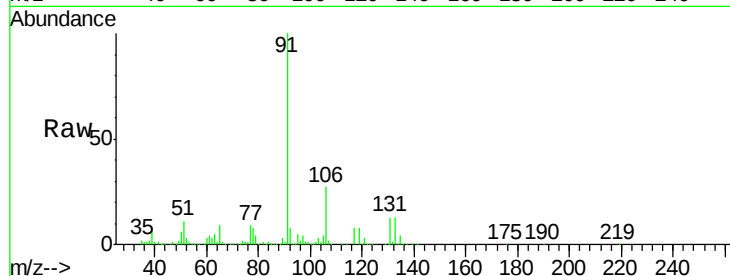
91 100

106 26.8 20.2 30.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD046781.D (-1130) (-)

Ion 106.05 (105.75 to 106.75): VD046781.D (-1130) (-)

800000

600000

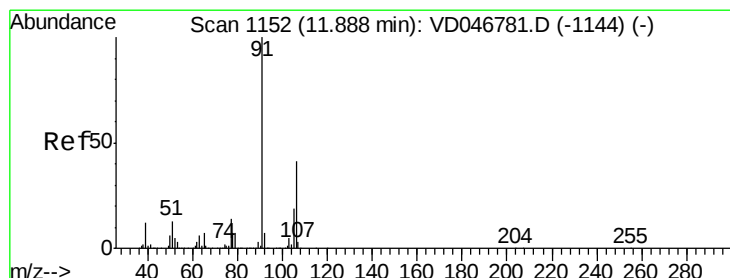
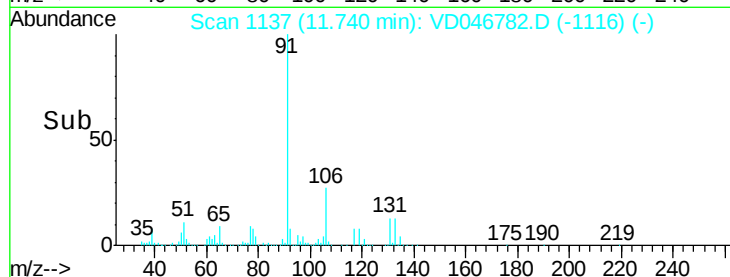
400000

200000

0

11.60 11.70 11.80

Time-->



#68

m/p-Xylenes

Concen: 195.50 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VD046782.D

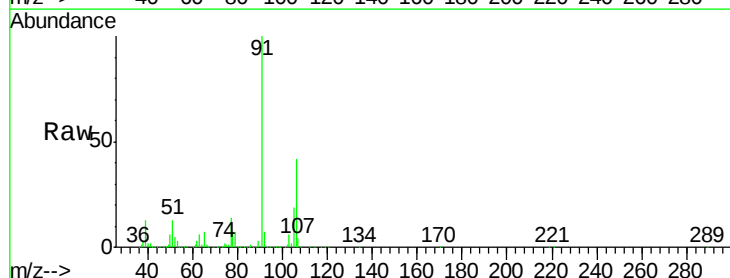
Acq: 18 Sep 2015 13:41

Tgt Ion: 106 Resp: 702331

Ion Ratio Lower Upper

106 100

91 240.4 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VD046781.D (-1144) (-)

Ion 91.00 (90.70 to 91.70): VD046781.D (-1144) (-)

800000

600000

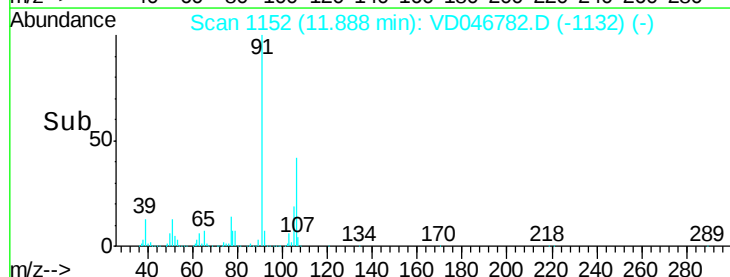
400000

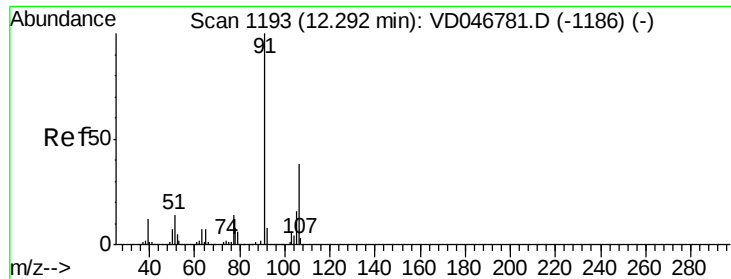
200000

0

11.80 11.90 12.00 12.10

Time-->





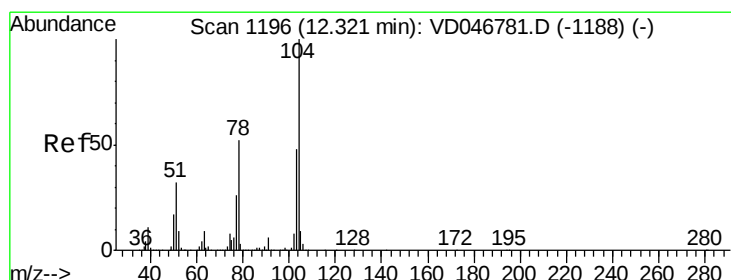
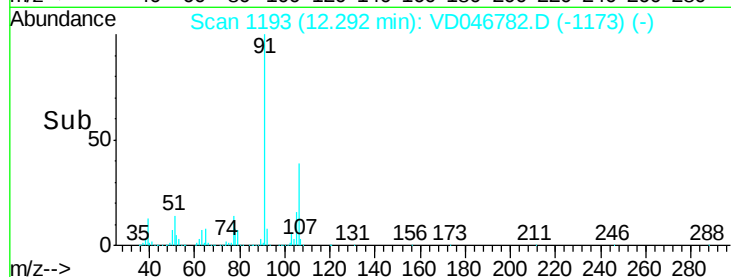
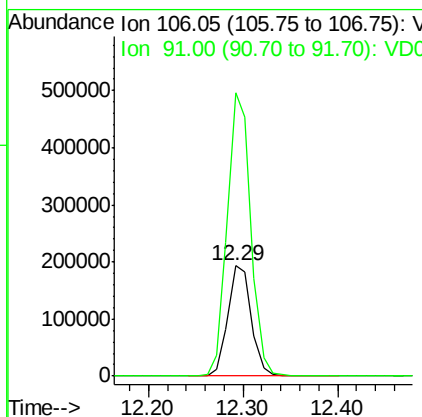
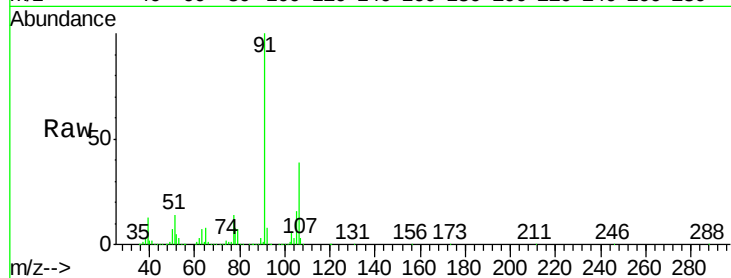
#69
o-Xylene
Concen: 103.93 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
106	100		
91	257.2	124.8	374.5

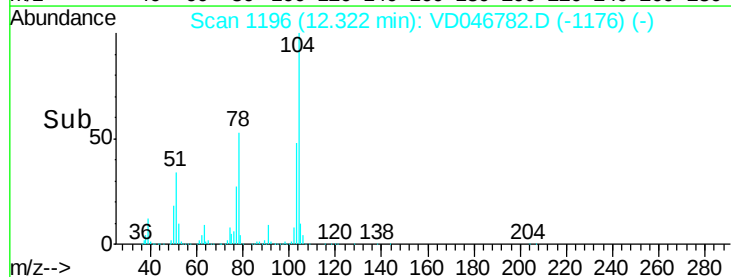
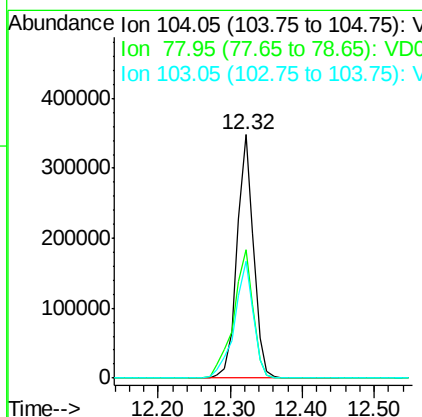
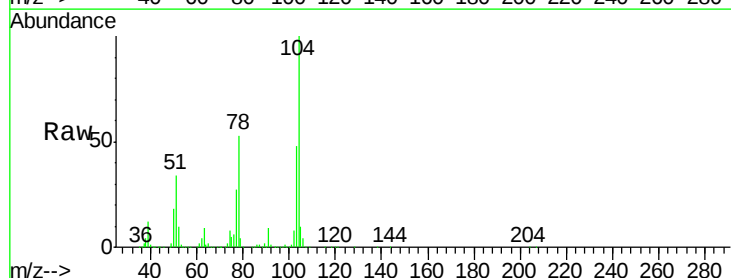
Manual Integrations
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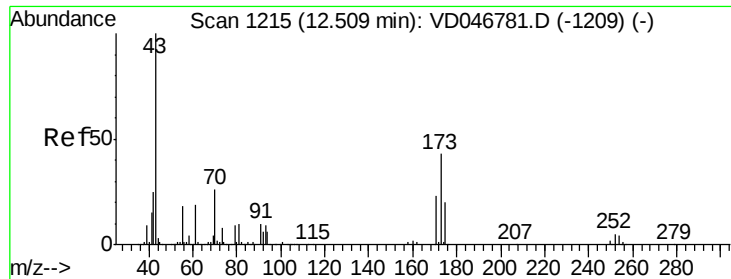
MMDadoda
9/21/2015 11:38:51 AM



#70
Styrene
Concen: 102.02 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.6	44.5	66.7
103	47.8	40.3	60.5





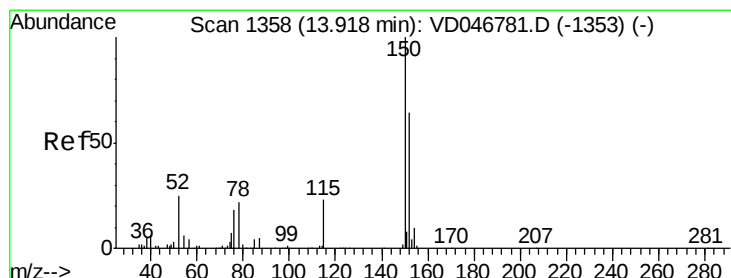
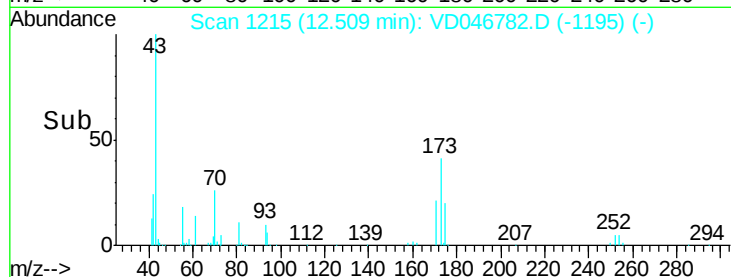
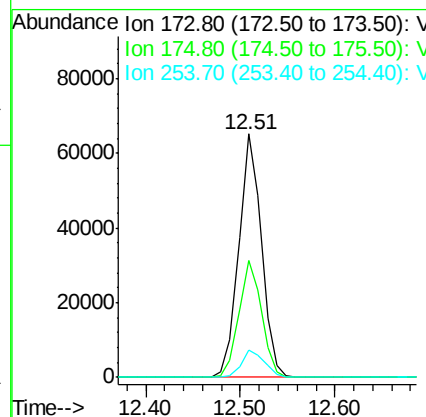
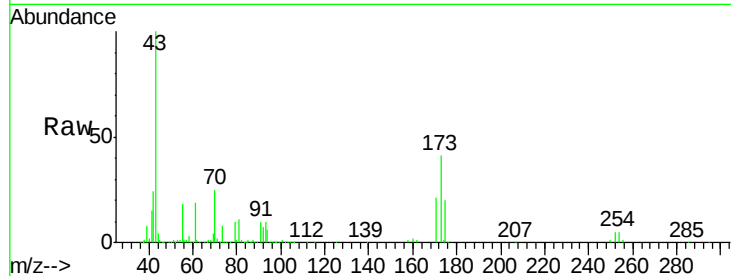
#71
Bromoform
Concen: 101.09 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	108448		
175	48.2	23.1	69.3	
254	11.2	8.7	13.1	

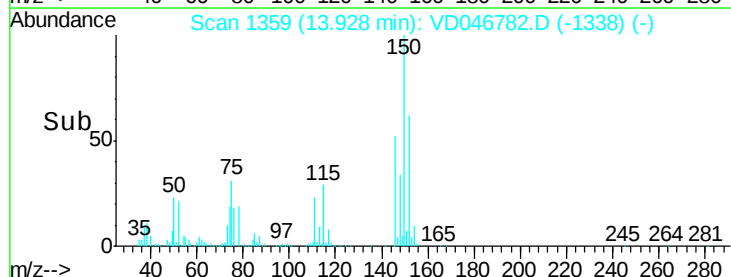
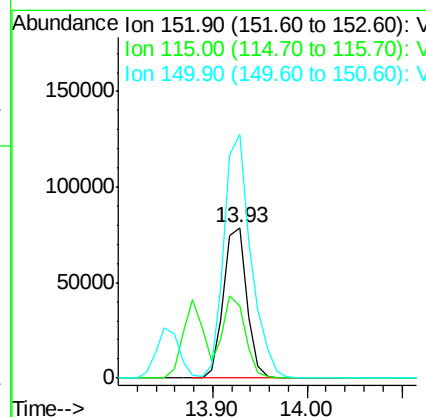
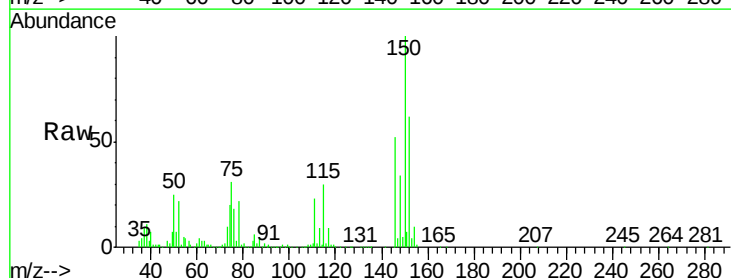
Manual Integrations
APPROVED

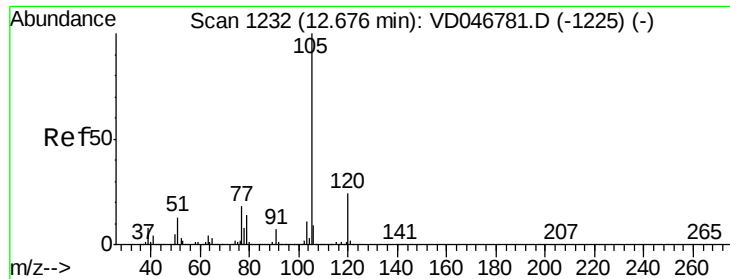
MMDadoda
9/21/2015 11:38:51 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.93 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	135480		
115	48.3	26.2	78.6	
150	162.0	0.0	311.8	





#73

Isopropylbenzene

Concen: 102.41 ug/l

RT: 12.68 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 998718

Ion Ratio Lower Upper

105 100

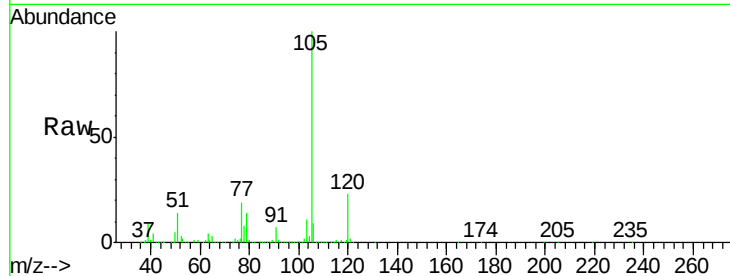
120 23.0 12.4 37.4

Manual Integrations

APPROVED

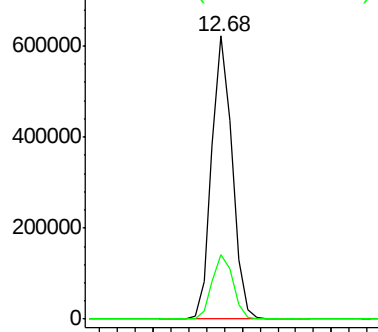
MMDadoda

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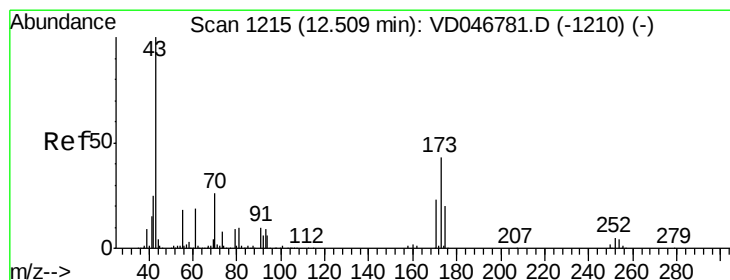
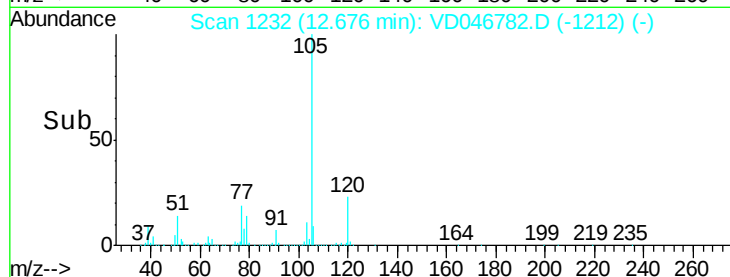


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 108.48 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion: 43 Resp: 232372

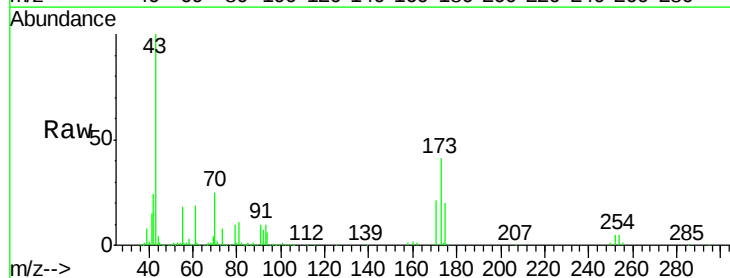
Ion Ratio Lower Upper

43 100

70 25.5 22.1 33.1

55 17.8 14.5 21.7

61 18.6 14.6 21.8

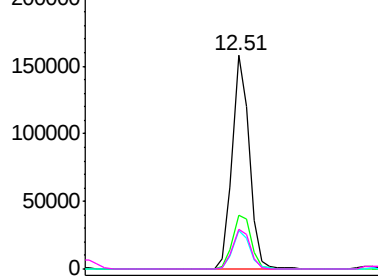


Abundance Ion 42.95 (42.65 to 43.65): VDC

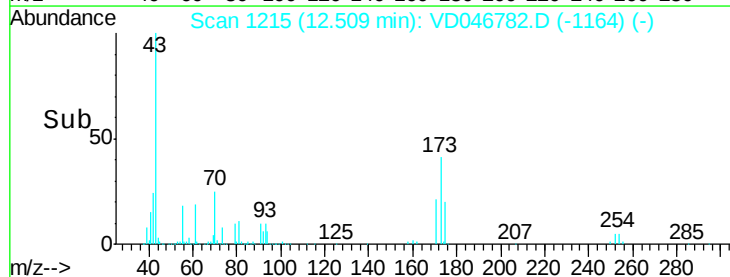
Ion 70.00 (69.70 to 70.70): VDC

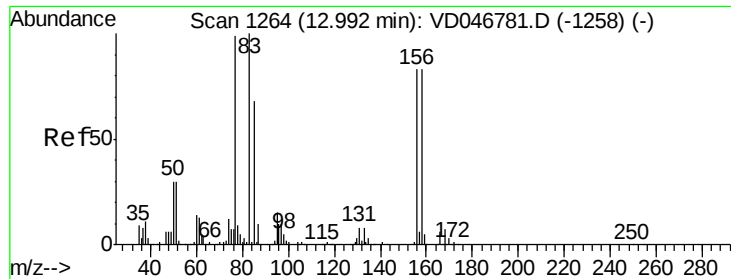
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 96.33 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 147896
Ion Ratio Lower Upper

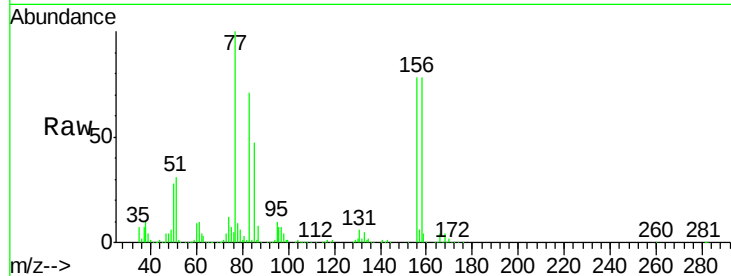
83 100

131 8.4 3.9 11.7

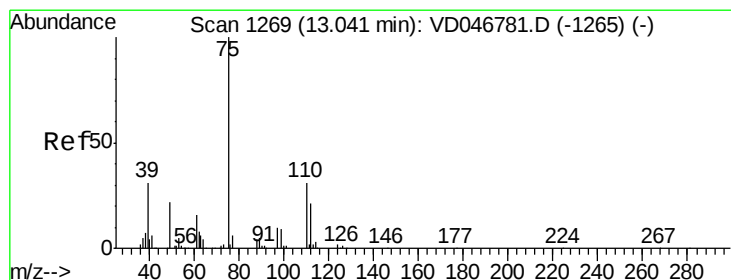
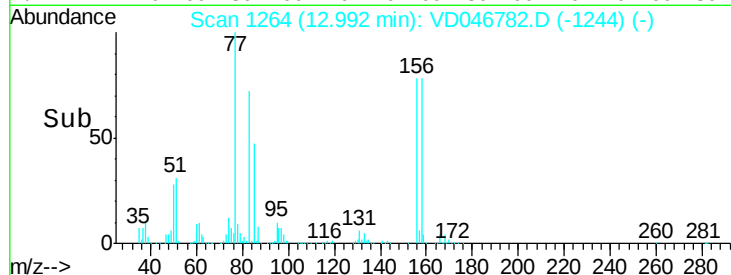
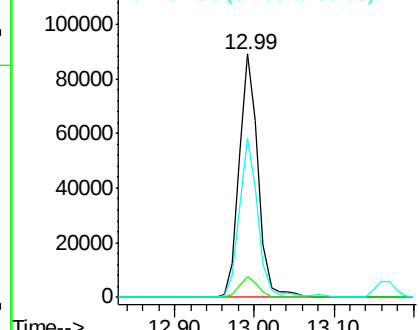
85 65.1 30.5 91.5

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 101.19 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. 0.00 min

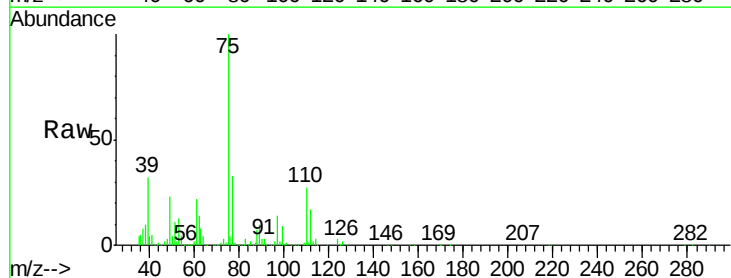
Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

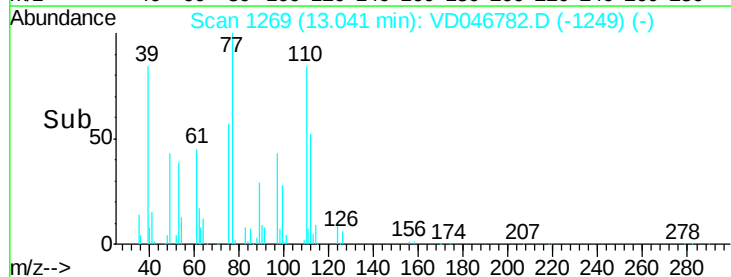
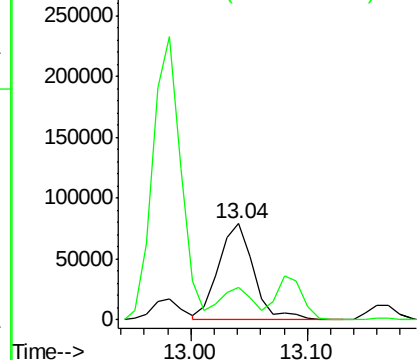
Tgt Ion: 75 Resp: 165370
Ion Ratio Lower Upper

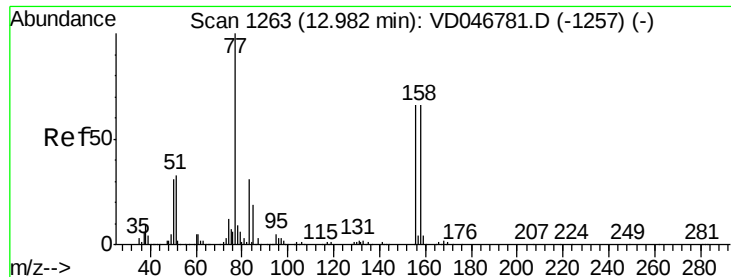
75 100

77 33.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





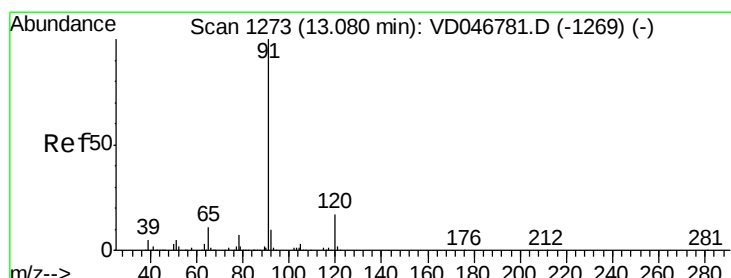
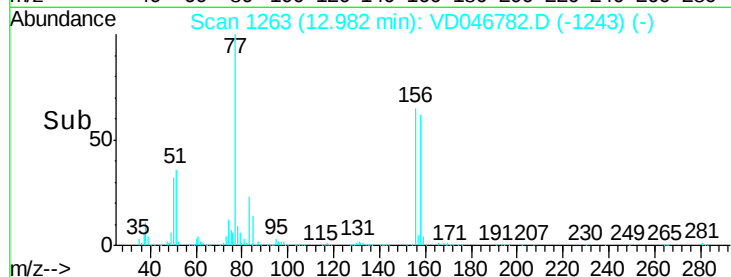
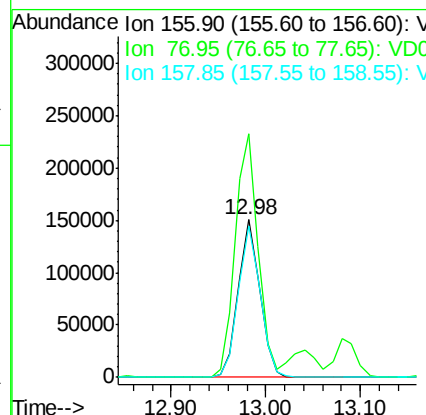
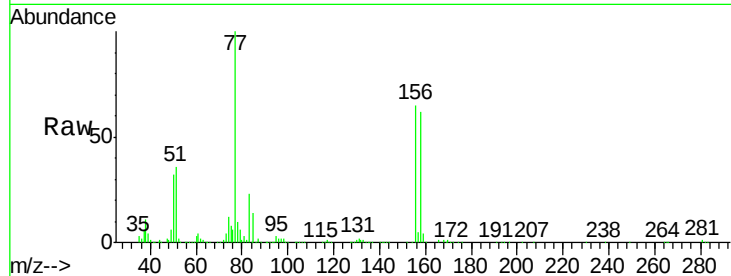
#77
Bromobenzene
Concen: 97.25 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	240368		
77	154.9	70.3	210.8	
158	96.1	49.0	147.0	

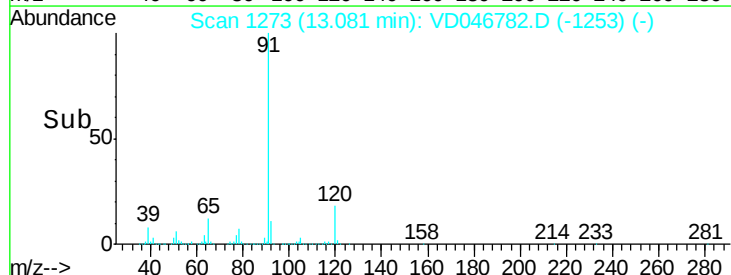
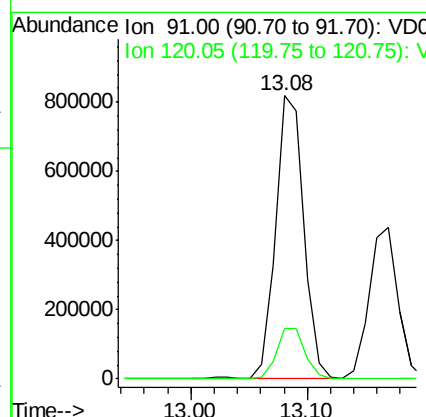
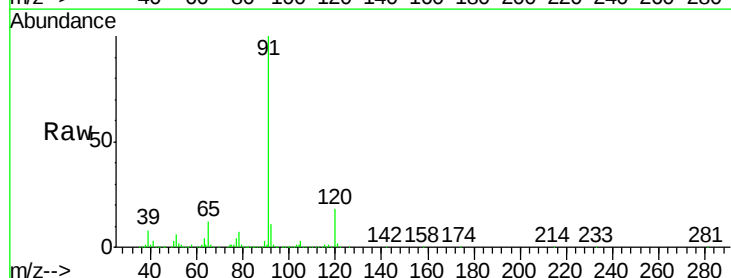
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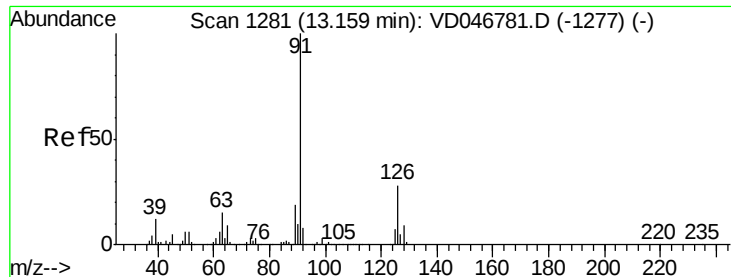
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#78
n-propylbenzene
Concen: 100.07 ug/l
RT: 13.08 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1370566		
120	17.6	9.3	27.7	





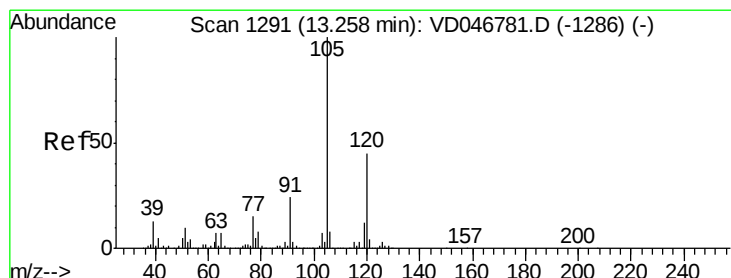
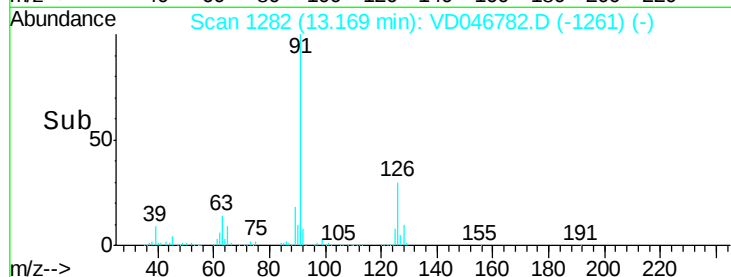
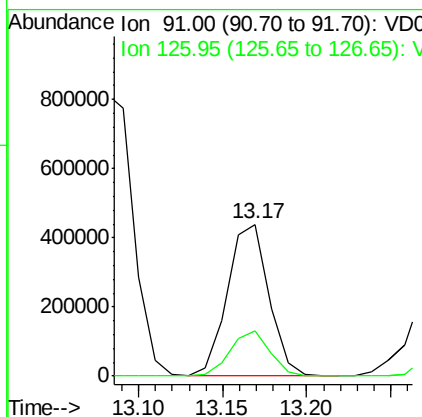
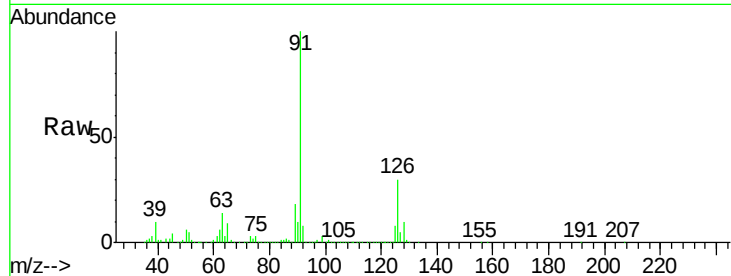
#79
 2-Chlorotoluene
 Concen: 97.11 ug/l
 RT: 13.17 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 91 Resp: 744012
 Ion Ratio Lower Upper
 91 100
 126 29.6 14.1 42.4

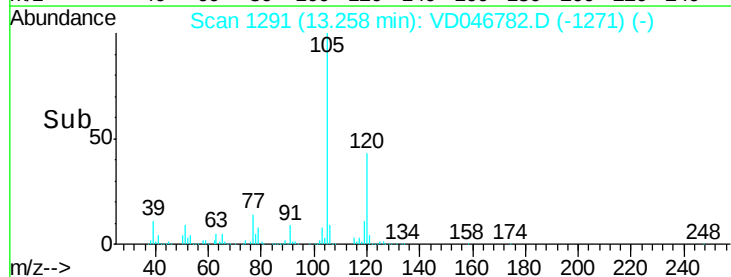
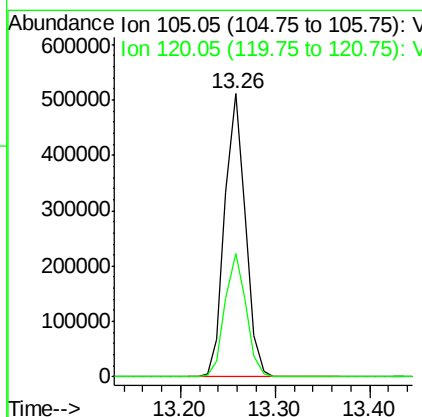
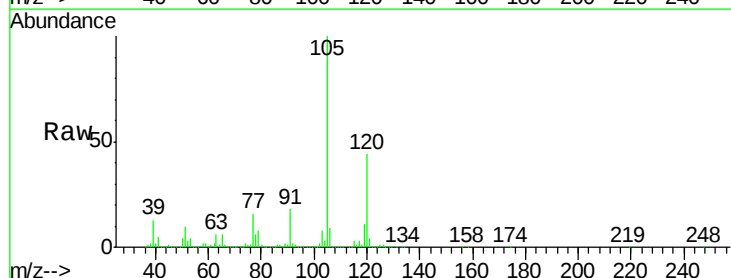
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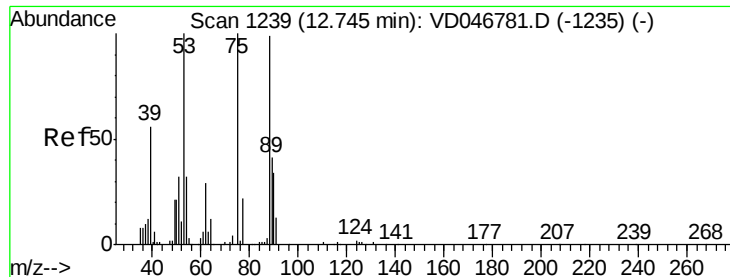
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#80
 1,3,5-Trimethylbenzene
 Concen: 99.37 ug/l
 RT: 13.26 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion: 105 Resp: 771242
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 113.96 ug/l

RT: 12.75 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

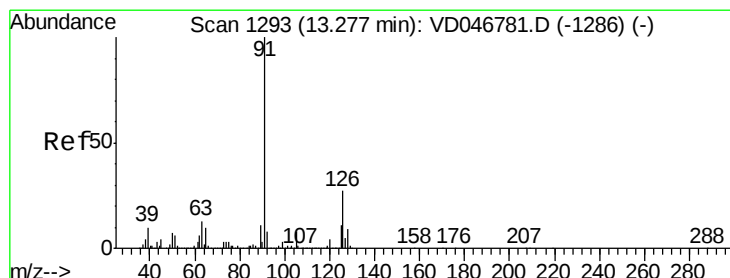
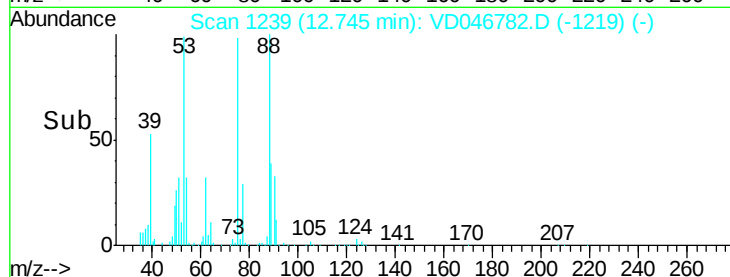
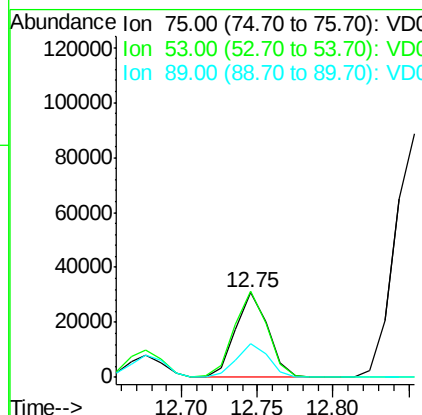
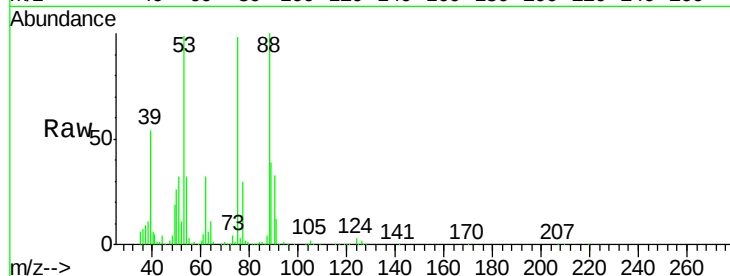
ClientSampleId :

VSTDIC100

Tgt Ion:	75	Resp:	45986
Ion Ratio	Lower	Upper	
75	100		
53	101.6	82.3	123.5
89	40.2	36.6	54.8

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#82

4-Chlorotoluene

Concen: 96.96 ug/l

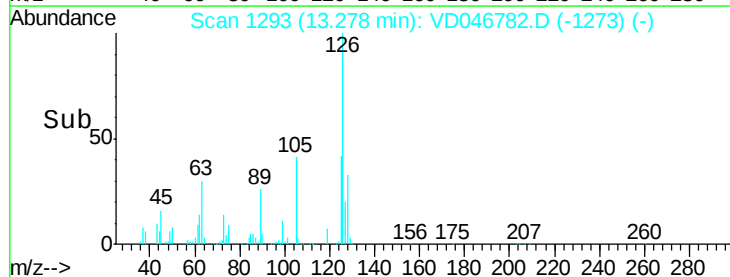
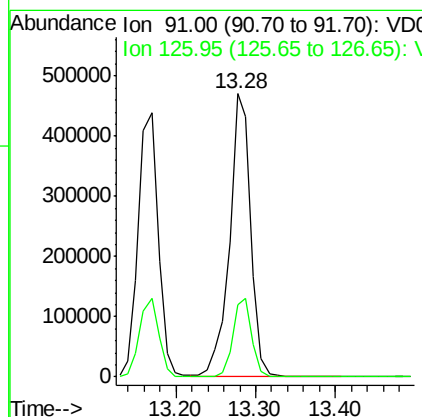
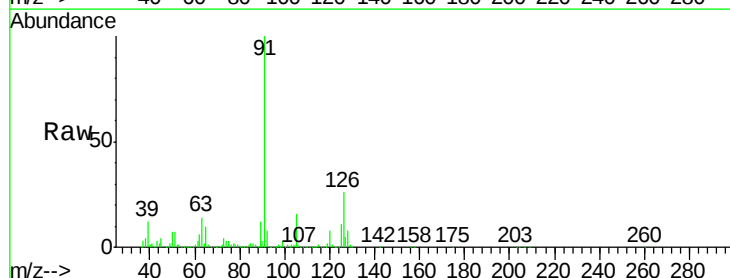
RT: 13.28 min Scan# 1293

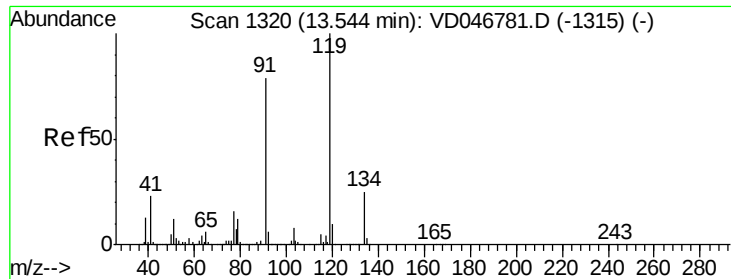
Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion:	91	Resp:	873431
Ion Ratio	Lower	Upper	
91	100		
126	25.6	14.1	42.4





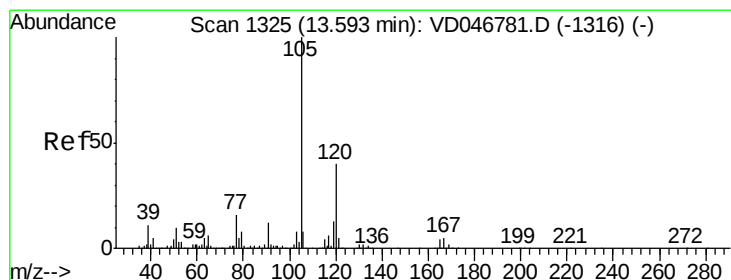
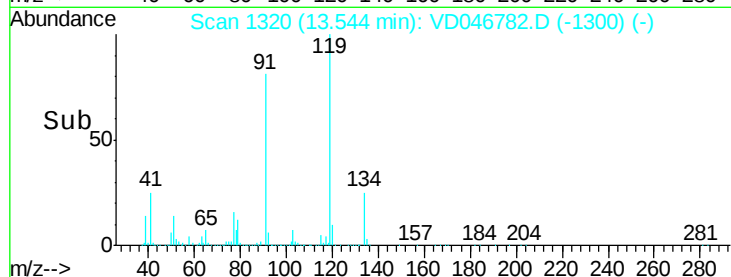
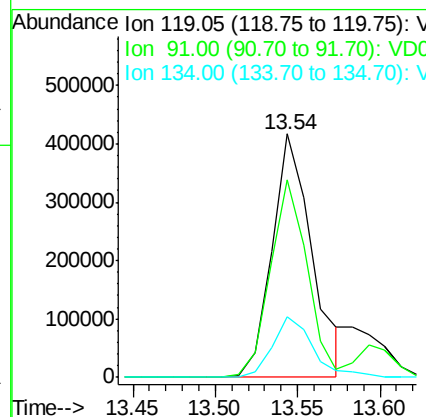
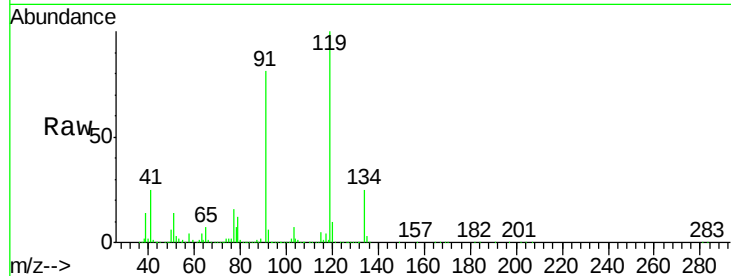
#83
 tert-Butylbenzene
 Concen: 102.65 ug/l m
 RT: 13.54 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
119	100		
91	81.3	41.6	124.9
134	24.7	12.4	37.4

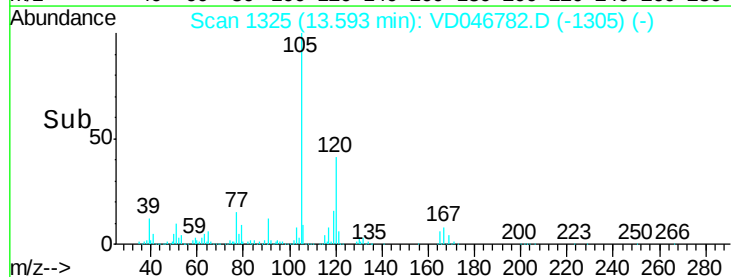
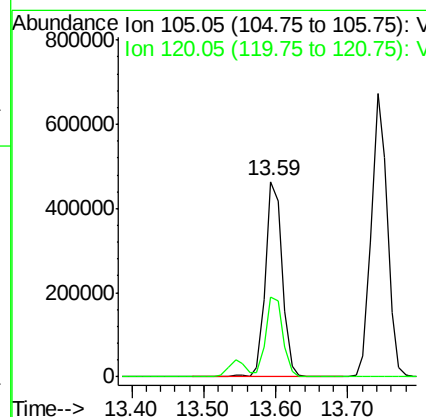
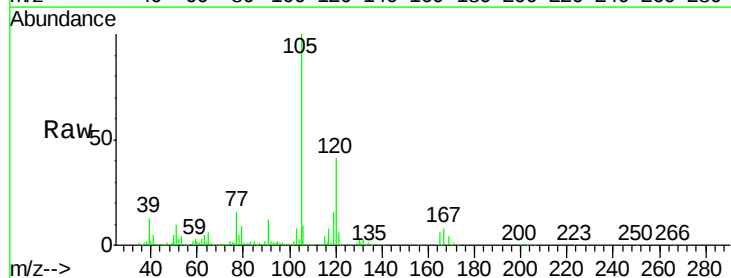
Manual Integrations
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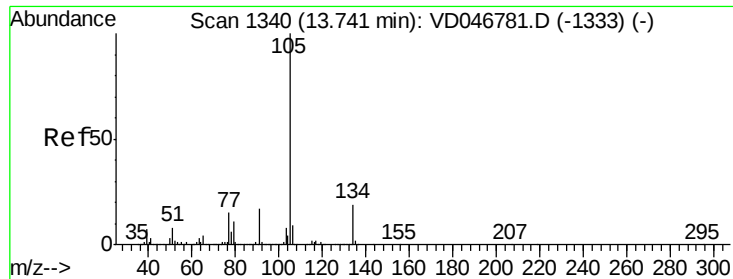
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#84
 1,2,4-Trimethylbenzene
 Concen: 96.80 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.1	21.1	63.1





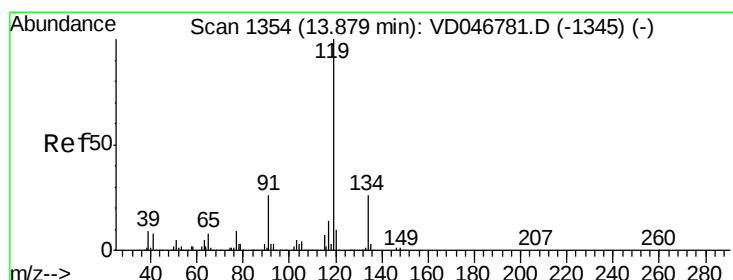
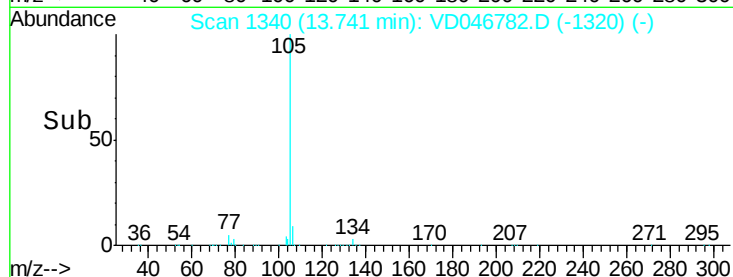
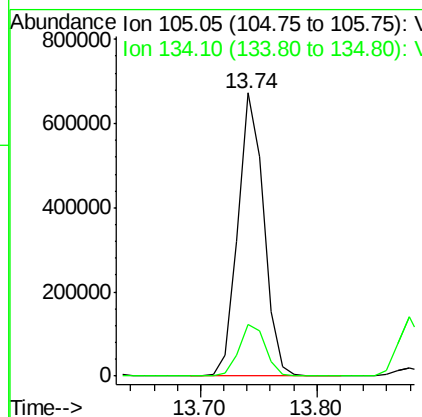
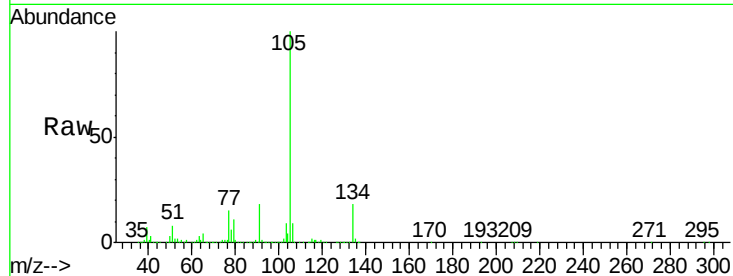
#85
 sec-Butylbenzene
 Concen: 101.09 ug/l
 RT: 13.74 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 1033190
 Ion Ratio Lower Upper
 105 100
 134 18.3 10.1 30.3

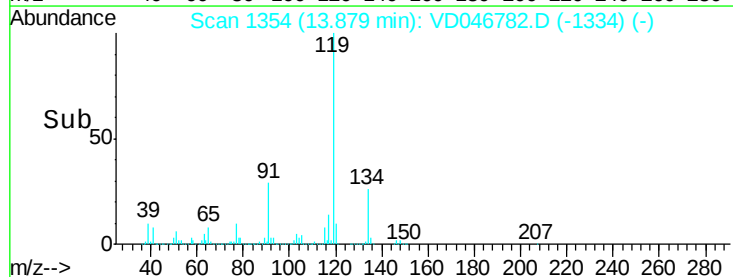
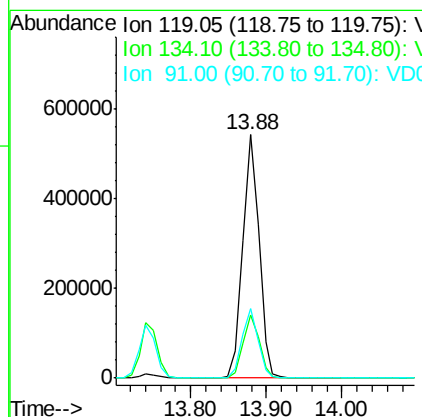
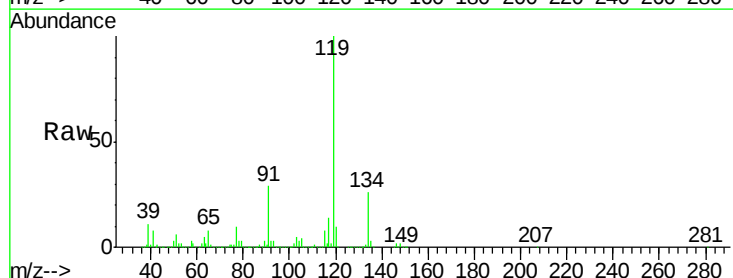
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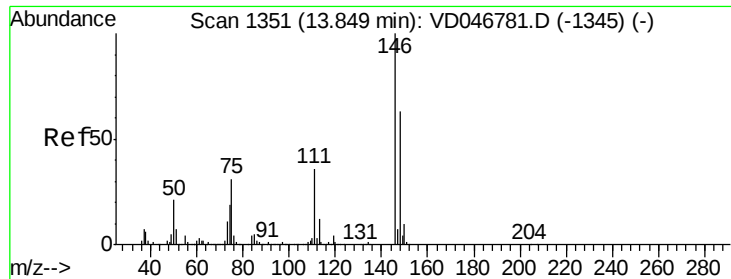
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#86
 p-Isopropyltoluene
 Concen: 99.93 ug/l
 RT: 13.88 min Scan# 1354
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion:119 Resp: 804132
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 38.9
 91 28.7 13.8 41.3





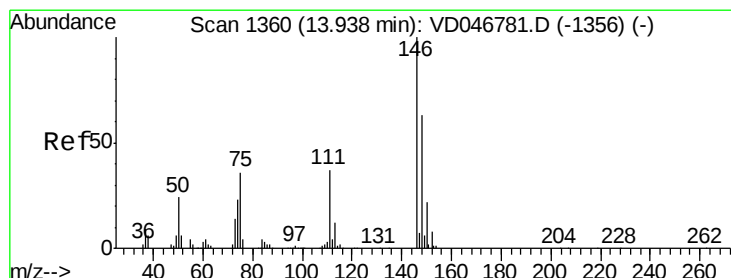
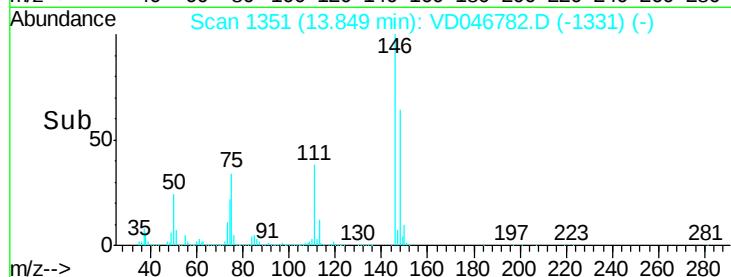
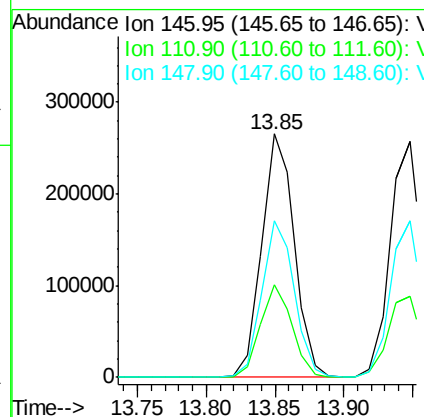
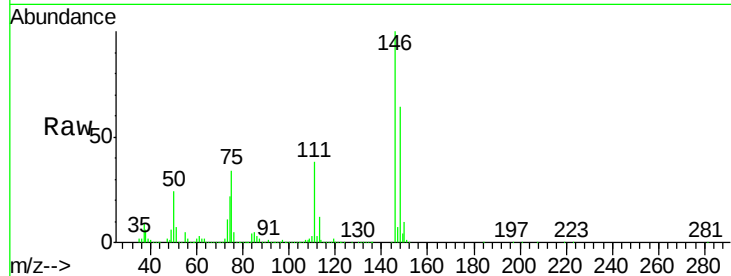
#87
 1,3-Dichlorobenzene
 Concen: 95.11 ug/l
 RT: 13.85 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.4	52.2
148	64.1	33.0	99.0

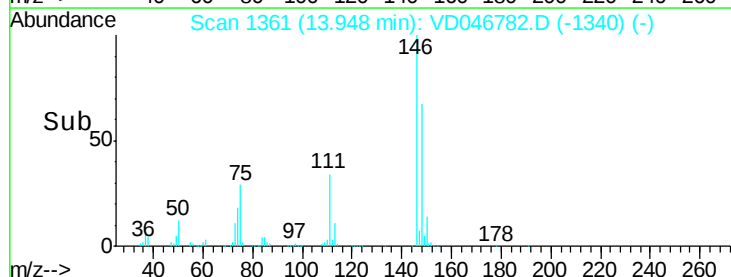
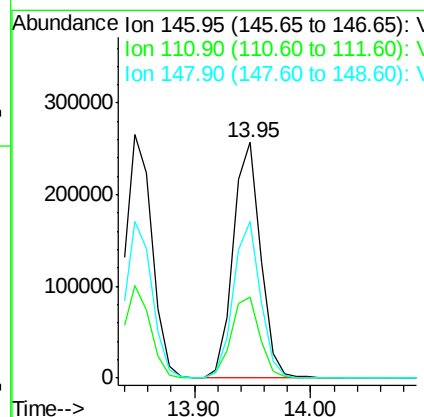
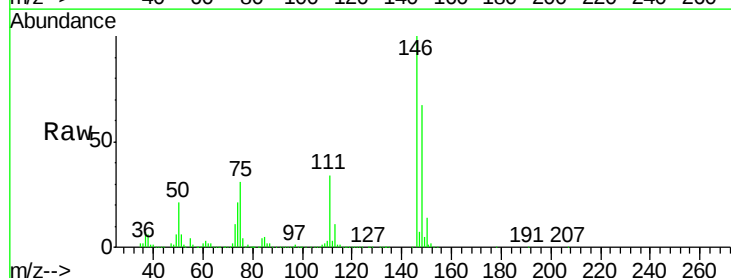
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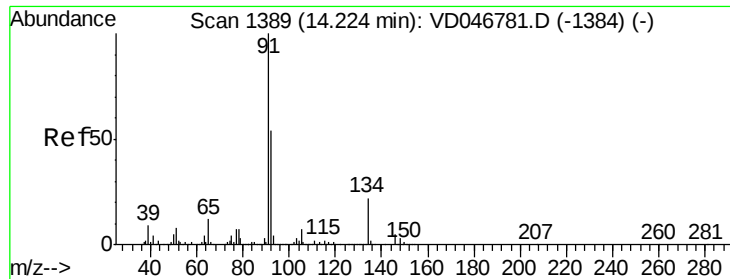
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#88
 1,4-Dichlorobenzene
 Concen: 93.71 ug/l
 RT: 13.95 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.0	51.0
148	66.6	31.9	95.7





#89

n-Butylbenzene

Concen: 102.19 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

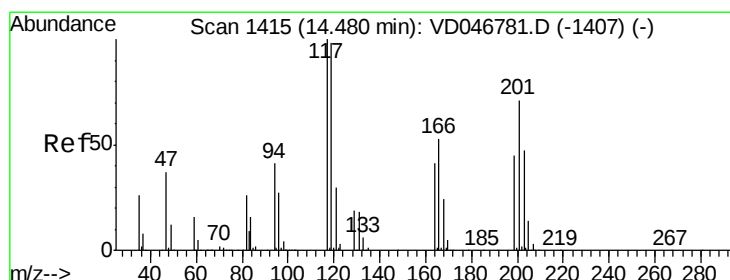
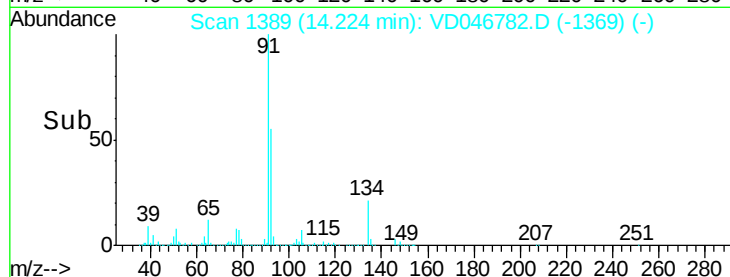
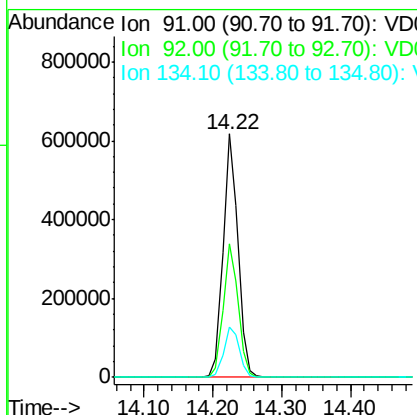
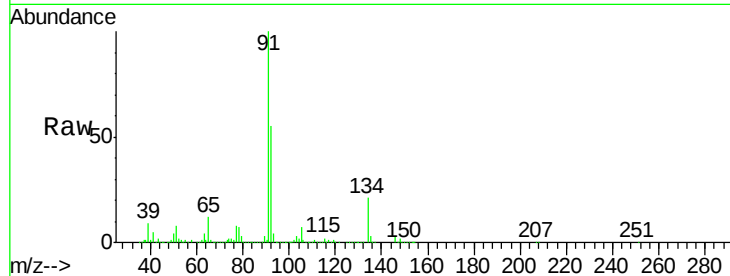
ClientSampleId :

VSTDIC100

Tgt Ion:	91	Resp:	924166
Ion Ratio	Lower	Upper	
91	100		
92	55.0	27.1	81.2
134	20.8	9.6	28.6

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#90

Hexachloroethane

Concen: 93.40 ug/l

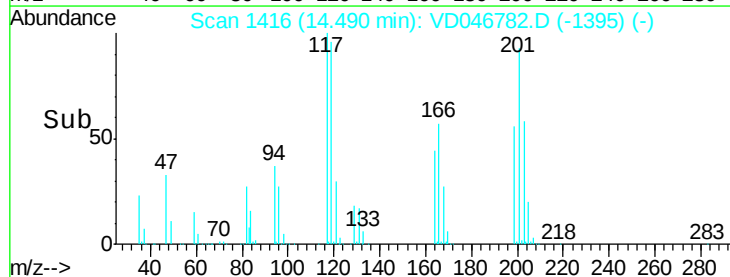
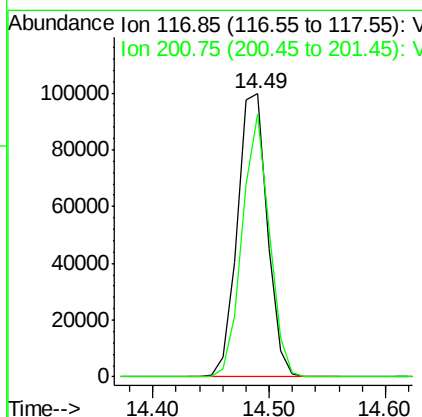
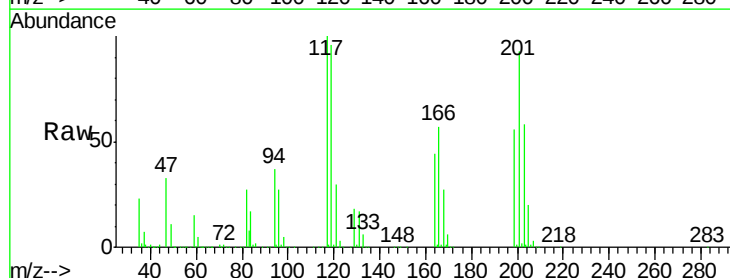
RT: 14.49 min Scan# 1416

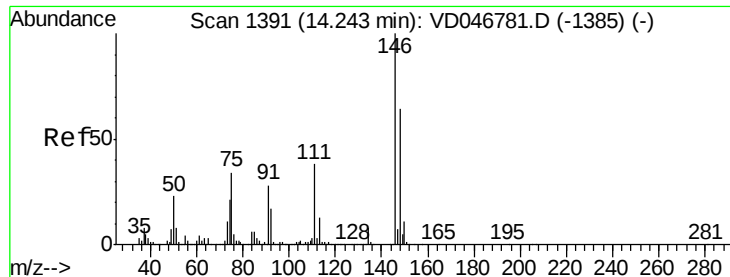
Delta R.T. 0.01 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Tgt Ion:	117	Resp:	178144
Ion Ratio	Lower	Upper	
117	100		
201	93.1	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 94.41 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VD046782.D

Acq: 18 Sep 2015 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 146 Resp: 359754
Ion Ratio Lower Upper

146 100

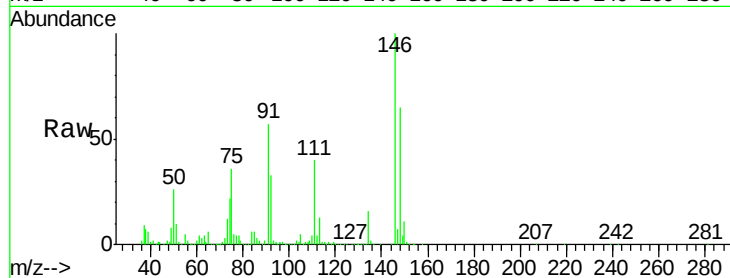
111 40.4 18.2 54.6

148 65.3 31.1 93.3

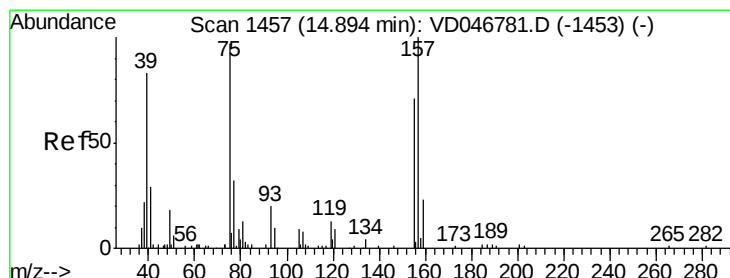
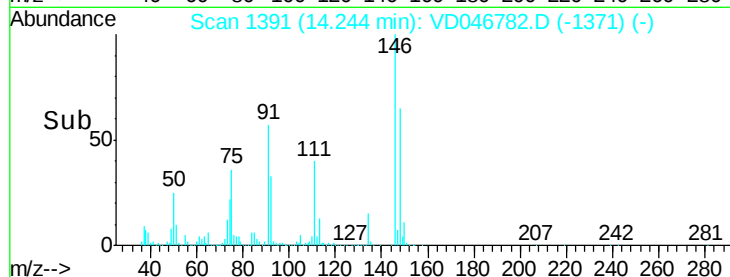
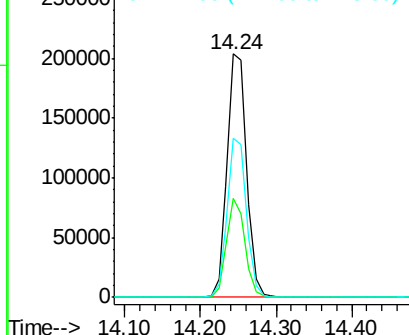
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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 94.31 ug/l

RT: 14.89 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VD046782.D

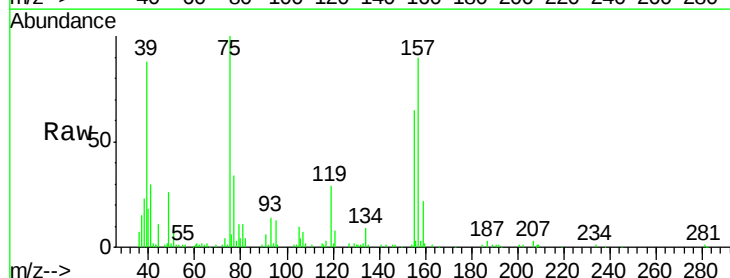
Acq: 18 Sep 2015 13:41

Tgt Ion: 75 Resp: 19899
Ion Ratio Lower Upper

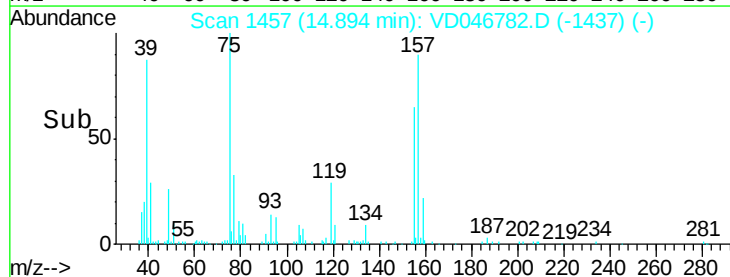
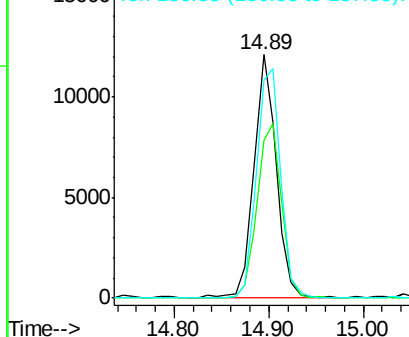
75 100

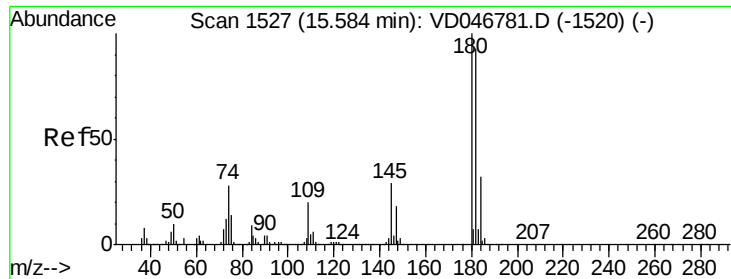
155 64.7 41.4 124.4

157 89.6 65.0 195.1



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





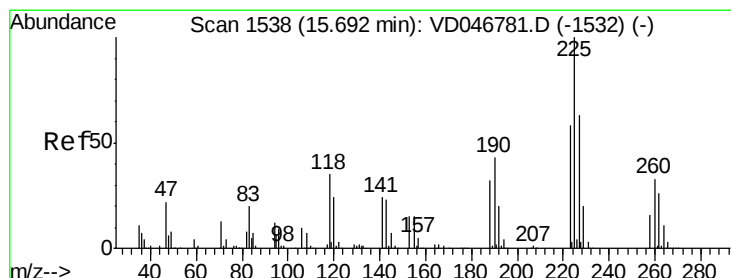
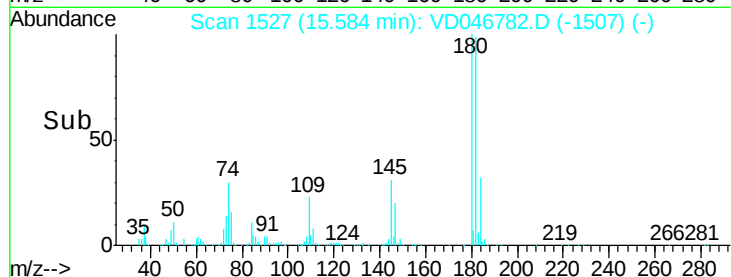
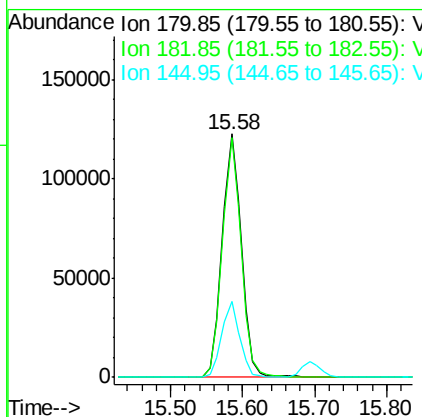
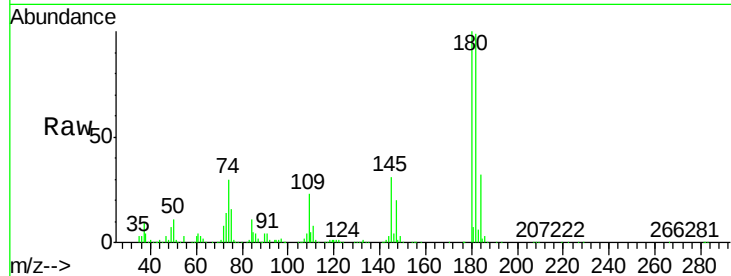
#93
 1,2,4-Trichlorobenzene
 Concen: 102.37 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	227262		
182	98.7	47.5	142.5	
145	31.4	14.6	44.0	

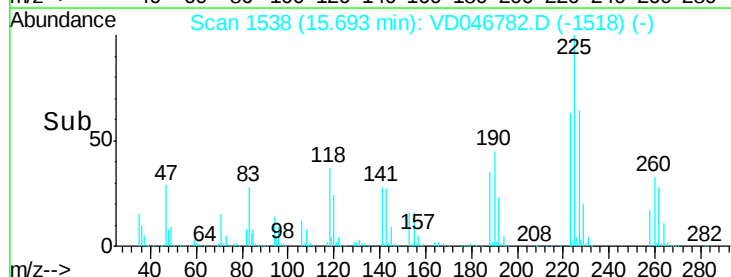
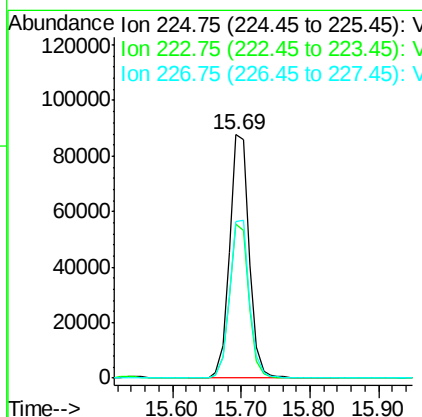
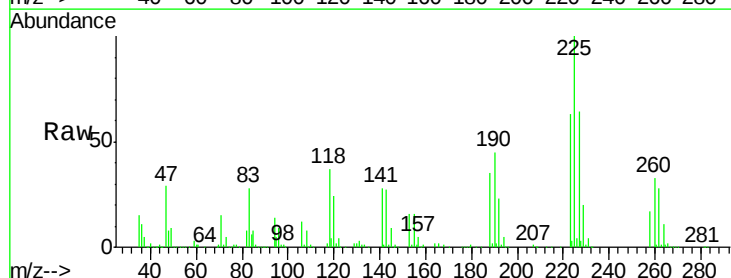
Manual Integrations
 APPROVED

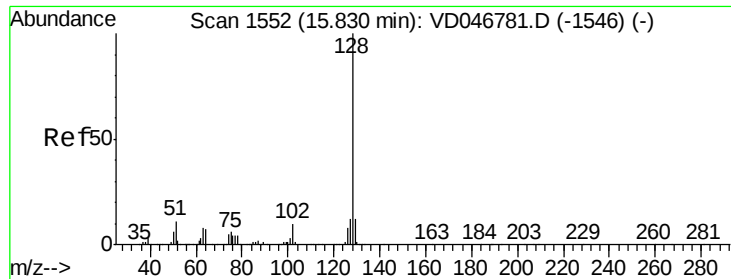
MMDadoda
 9/21/2015 11:38:51 AM



#94
 Hexachlorobutadiene
 Concen: 96.33 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. 0.00 min
 Lab File: VD046782.D
 Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	172379		
223	63.1	30.4	91.2	
227	64.4	31.3	93.9	





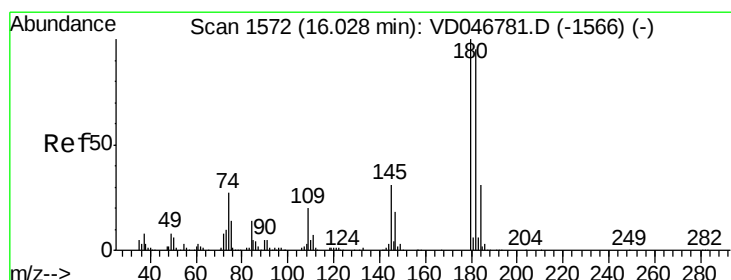
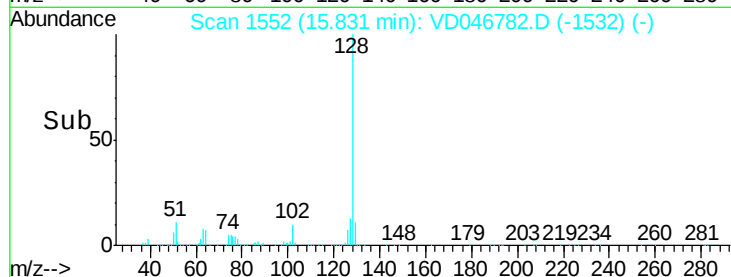
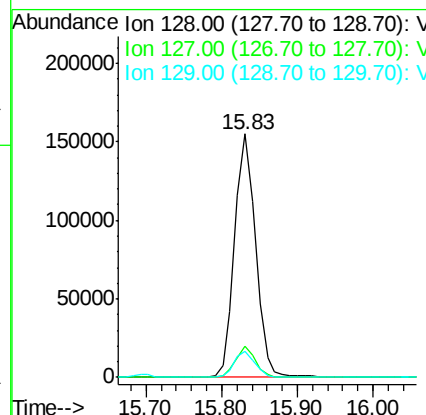
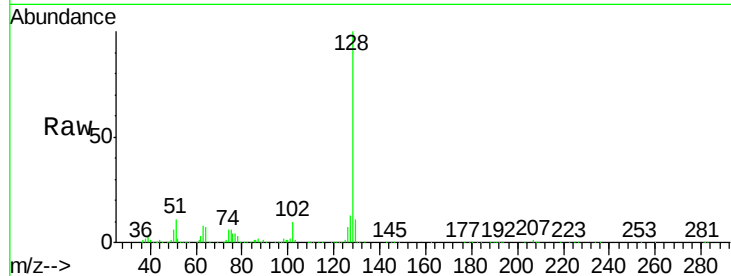
#95
Naphthalene
Concen: 113.97 ug/l
RT: 15.83 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	297320		
127	12.5	9.8	14.6	
129	10.9	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:38:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 102.10 ug/l
RT: 16.03 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VD046782.D
Acq: 18 Sep 2015 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	186857		
182	95.5	47.4	142.3	
145	33.1	15.4	46.4	

