

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046796.D
 Acq On : 18 Sep 2015 22:01
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:35 AM

Quant Time: Sep 19 01:08:59 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	181592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	234832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	221366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	121378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.72	65	104569	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
35) Dibromofluoromethane	6.21	113	100345	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	9.62	98	326035	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
62) 4-Bromofluorobenzene	12.85	95	131041	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.42	85	112645	70.00	ug/l	99
3) Chlorodifluoromethane	1.44	51	65442	47.27	ug/l #	93
4) Chloromethane	1.58	50	59504	55.59	ug/l	98
5) Vinyl Chloride	1.68	62	59570	59.25	ug/l	98
6) Bromomethane	1.98	94	54961	64.31	ug/l	94
7) Chloroethane	2.08	64	37701	59.91	ug/l	95
8) Trichlorofluoromethane	2.33	101	177486	59.68	ug/l	98
9) Diethyl Ether	2.64	74	32084	60.86	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	2.89	101	107654	57.85	ug/l	98
11) Methyl Iodide	3.05	142	134265	61.37	ug/l	94
12) Tert butyl alcohol	3.69	59	16104	289.02	ug/l	95
13) 1,1-Dichloroethene	2.88	96	89570	61.57	ug/l	95
14) Acrolein	2.78	56	20901	216.69	ug/l	85
15) Allyl chloride	3.33	41	183315	62.06	ug/l	89
16) Acrylonitrile	3.84	53	68962	312.82	ug/l	96
17) Acetone	2.94	43	85755	268.81	ug/l	97
18) Carbon Disulfide	3.13	76	314168	57.65	ug/l	97
19) Methyl Acetate	3.33	43	115031	62.24	ug/l	99
20) Methyl tert-butyl Ether	3.91	73	147278	64.62	ug/l	94
21) Methylene Chloride	3.51	84	103201	59.58	ug/l	90
22) trans-1,2-Dichloroethene	3.90	96	99444	60.61	ug/l	97
23) Diisopropyl ether	4.66	45	313129	63.86	ug/l #	89
24) Vinyl Acetate	4.61	43	326649	282.12	ug/l	97
25) 1,1-Dichloroethane	4.57	63	181455	60.07	ug/l	99
26) 2-Butanone	5.45	43	108379	302.28	ug/l	95
27) 2,2-Dichloropropane	5.43	77	183804	59.22	ug/l	99
28) cis-1,2-Dichloroethene	5.43	96	107941	63.20	ug/l	90
29) Bromochloromethane	5.79	49	64831	54.47	ug/l	99
30) Chloroform	5.98	83	226189	61.73	ug/l	98
31) Cyclohexane	6.28	56	164402	58.01	ug/l	93
32) 1,1,1-Trichloroethane	6.18	97	196739	60.31	ug/l	99
36) 1,1-Dichloropropene	6.44	75	163861	59.71	ug/l	96
37) Ethyl Acetate	5.54	43	51695	58.64	ug/l	98
38) Carbon Tetrachloride	6.42	117	166716	58.46	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	175787	63.21	ug/l	99
40) Benzene	6.73	78	419576	59.89	ug/l	96
41) Methacrylonitrile	5.76	41	32711	66.16	ug/l #	96
42) 1,2-Dichloroethane	6.84	62	134336	61.73	ug/l	97
43) Isopropyl Acetate	8.42	43	73477	63.23	ug/l #	97
44) Trichloroethene	7.75	130	105876	60.37	ug/l	99
45) 1,2-Dichloropropane	8.16	63	104639	60.29	ug/l	95
46) Dibromomethane	8.27	93	59833	60.71	ug/l	96
47) Bromodichloromethane	8.57	83	160064	61.88	ug/l	99
48) Methyl methacrylate	8.09	41	116111	65.35	ug/l	96
49) 1,4-Dioxane	8.30	88	8543	1299.88	ug/l #	80
51) 4-Methyl-2-Pentanone	9.49	43	274878	327.37	ug/l	99
52) Toluene	9.72	92	264573	61.22	ug/l	99
53) t-1,3-Dichloropropene	10.13	75	123946	64.90	ug/l	96
54) cis-1,3-Dichloropropene	9.24	75	159065	64.68	ug/l	98
55) 1,1,2-Trichloroethane	10.40	97	70445	62.96	ug/l	96
56) Ethyl methacrylate	10.24	69	67427	57.46	ug/l	99
57) 1,3-Dichloropropane	10.61	76	130403	62.67	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.04	63	154372	279.05	ug/l	96
59) 2-Hexanone	10.72	43	193551	319.06	ug/l	91
60) Dibromochloromethane	10.89	129	96176	62.63	ug/l	98
61) 1,2-Dibromoethane	11.02	107	67431	61.04	ug/l	87
64) Tetrachloroethene	10.48	164	106385	59.51	ug/l	94
65) Chlorobenzene	11.62	112	278462	59.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	102732	60.04	ug/l	96
67) Ethyl Benzene	11.73	91	576413	61.57	ug/l	99
68) m/p-Xylenes	11.89	106	366475	124.12	ug/l	91
69) o-Xylene	12.30	106	175662	66.09	ug/l	97
70) Styrene	12.32	104	291540	63.27	ug/l	97
71) Bromoform	12.51	173	58582	64.28	ug/l	98
73) Isopropylbenzene	12.68	105	524916	61.35	ug/l	100
74) N-amyl acetate	12.51	43	113690	52.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.00	83	79449	57.54	ug/l	92
76) 1,2,3-Trichloropropane	13.03	75	86665	58.67	ug/l	97
77) Bromobenzene	12.99	156	125843	58.48	ug/l	96
78) n-propylbenzene	13.08	91	725551	60.05	ug/l	97
79) 2-Chlorotoluene	13.16	91	400001	59.63	ug/l	98
80) 1,3,5-Trimethylbenzene	13.26	105	407675	59.79	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.75	75	22105	54.04	ug/l	97
82) 4-Chlorotoluene	13.28	91	468218	58.64	ug/l	99
83) tert-Butylbenzene	13.55	119	389060m	63.28	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	413009	60.17	ug/l	98
85) sec-Butylbenzene	13.74	105	547952	60.64	ug/l	97
86) p-Isopropyltoluene	13.88	119	423842	59.68	ug/l	100
87) 1,3-Dichlorobenzene	13.85	146	235065	58.56	ug/l	98
88) 1,4-Dichlorobenzene	13.94	146	228065	57.13	ug/l	99
89) n-Butylbenzene	14.23	91	479135	59.76	ug/l	96
90) Hexachloroethane	14.48	117	97130	58.99	ug/l	96
91) 1,2-Dichlorobenzene	14.25	146	199170	59.06	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.90	75	10562	59.52	ug/l	85

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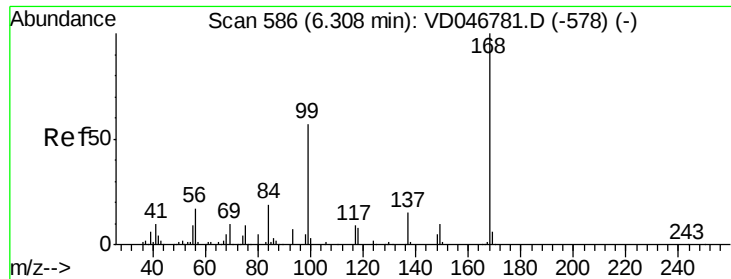
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.59	180	121068	62.35	ug/l	99
94) Hexachlorobutadiene	15.70	225	90955	56.89	ug/l	97
95) Naphthalene	15.82	128	157727	60.82	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	100494	61.93	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 587

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 181592

Ion Ratio Lower Upper

168 100

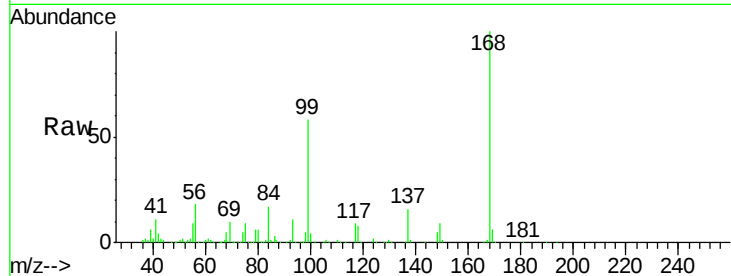
99 57.9 42.4 63.6

Manual Integrations

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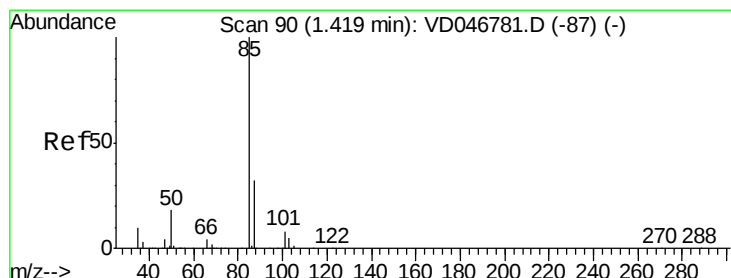
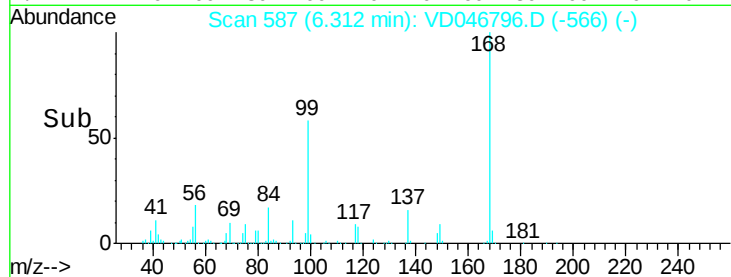
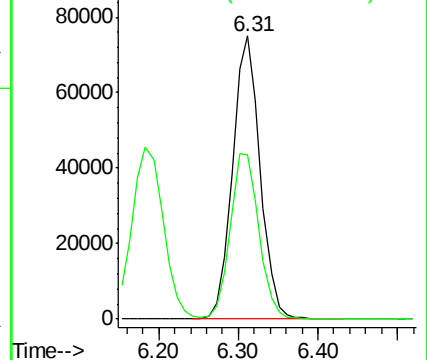
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 70.00 ug/l

RT: 1.42 min Scan# 91

Delta R.T. 0.00 min

Lab File: VD046796.D

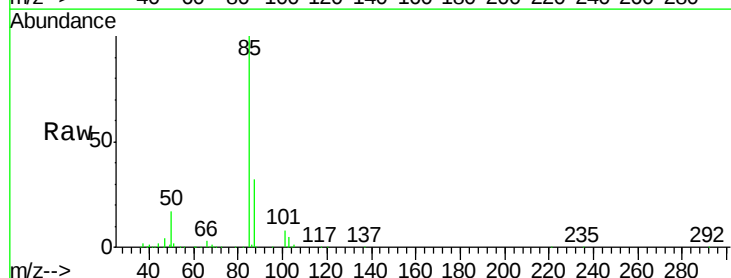
Acq: 18 Sep 2015 22:01

Tgt Ion: 85 Resp: 112645

Ion Ratio Lower Upper

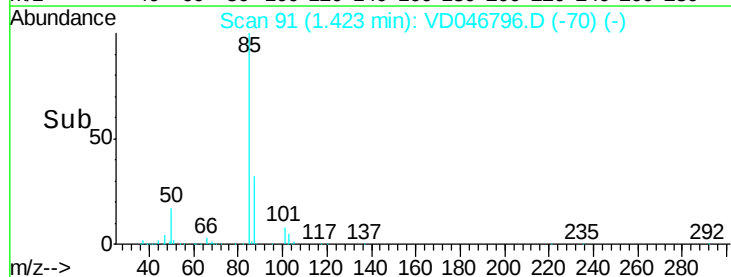
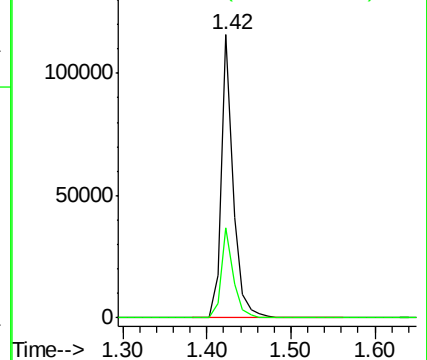
85 100

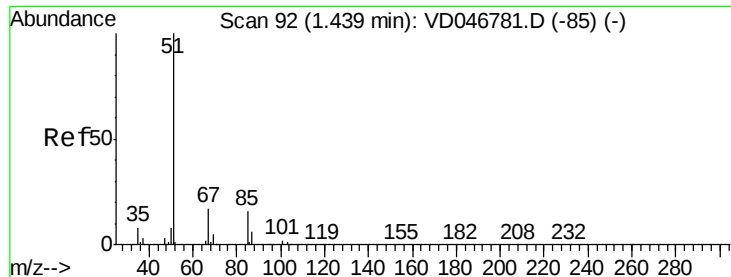
87 31.9 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 47.27 ug/l

RT: 1.44 min Scan# 93

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 51 Resp: 65442

Ion Ratio Lower Upper

51 100

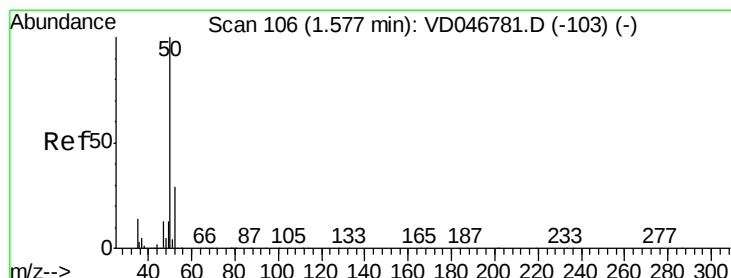
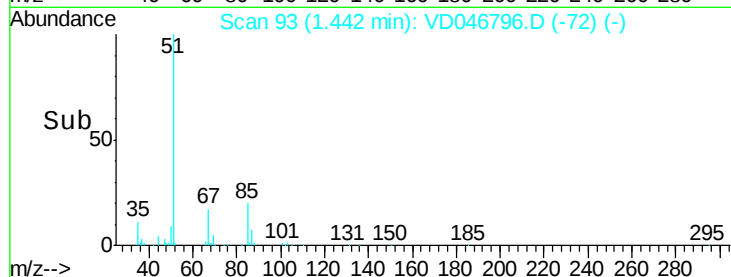
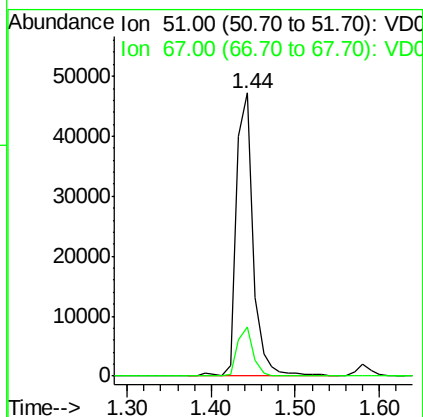
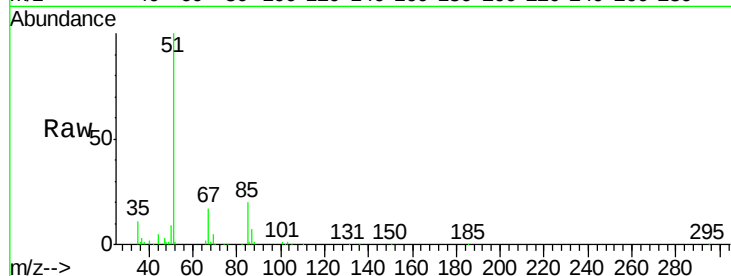
67 16.6 10.9 16.3#

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#4

Chloromethane

Concen: 55.59 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD046796.D

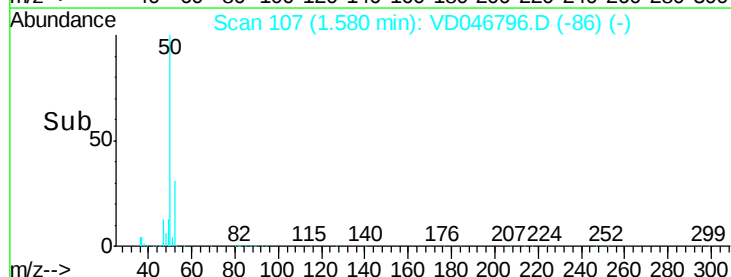
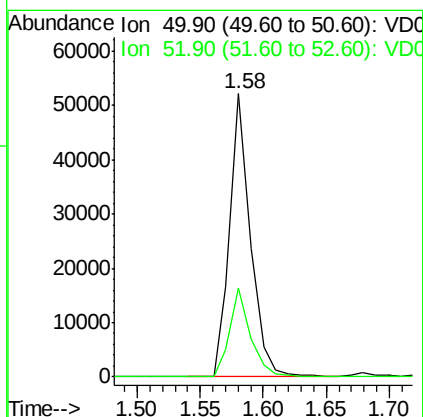
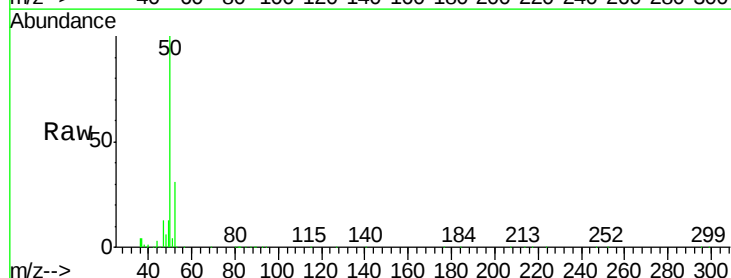
Acq: 18 Sep 2015 22:01

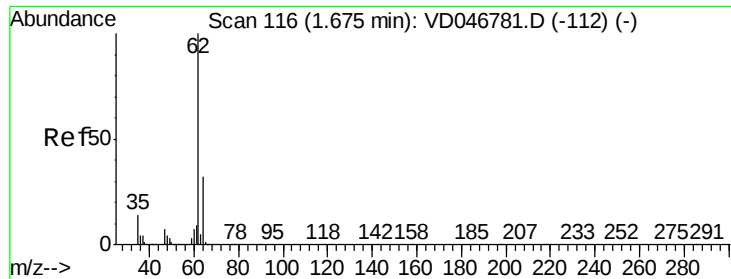
Tgt Ion: 50 Resp: 59504

Ion Ratio Lower Upper

50 100

52 31.4 26.2 39.2





#5

Vinyl Chloride

Concen: 59.25 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

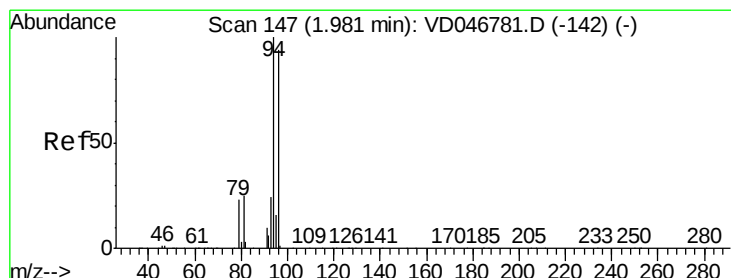
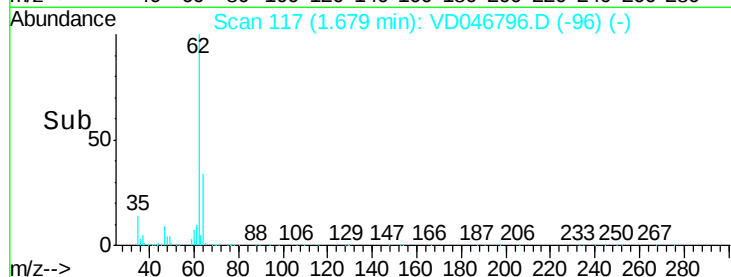
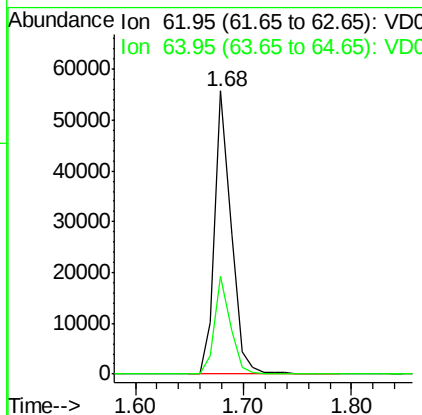
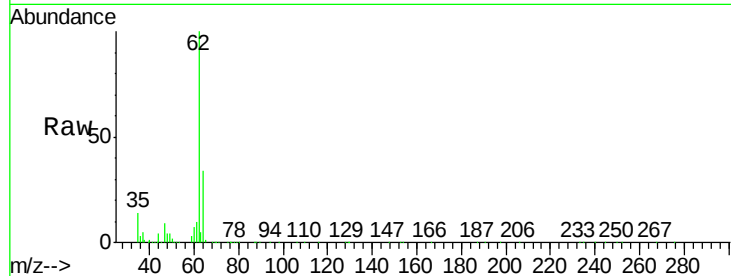
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.4	26.4	39.6

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#6

Bromomethane

Concen: 64.31 ug/l

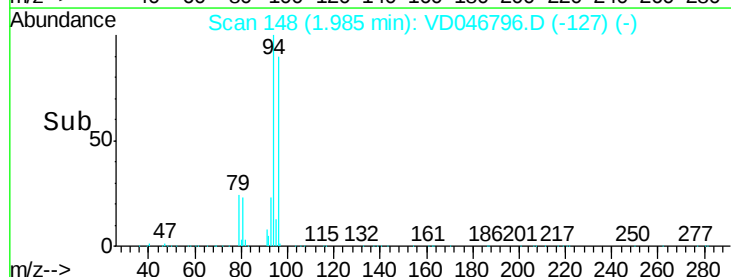
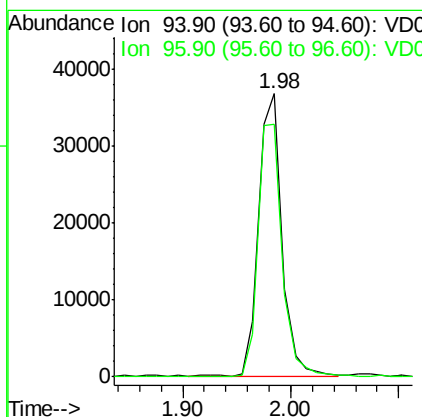
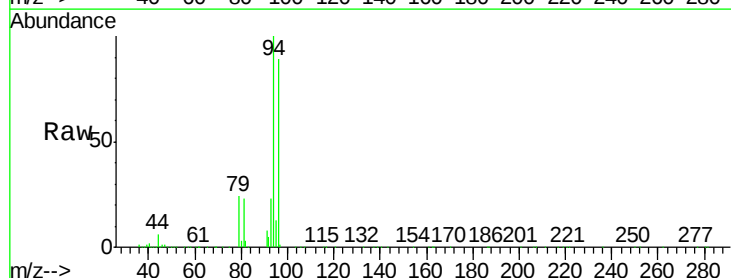
RT: 1.98 min Scan# 148

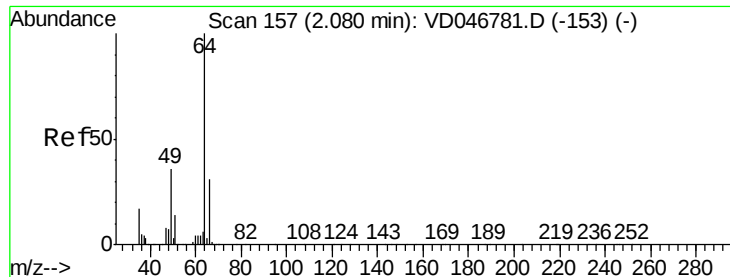
Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
94	100		
96	89.3	76.0	114.0





#7

Chloroethane

Concen: 59.91 ug/l

RT: 2.08 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 64 Resp: 37701

Ion Ratio Lower Upper

64 100

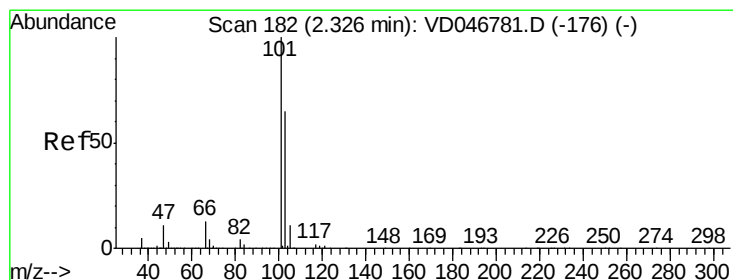
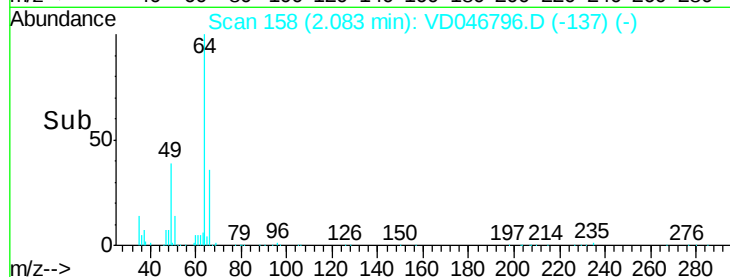
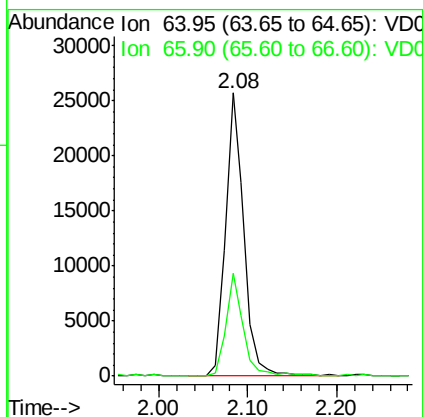
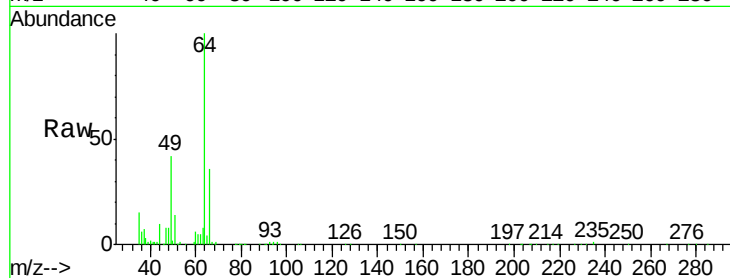
66 36.3 26.6 39.8

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 59.68 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD046796.D

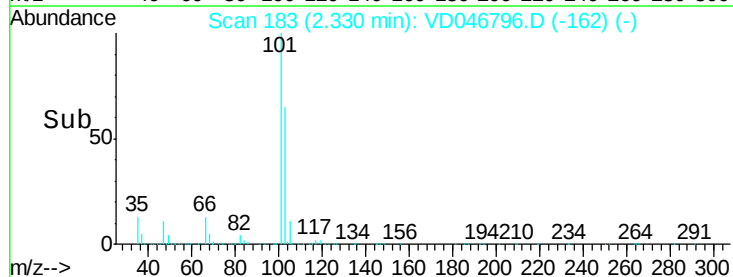
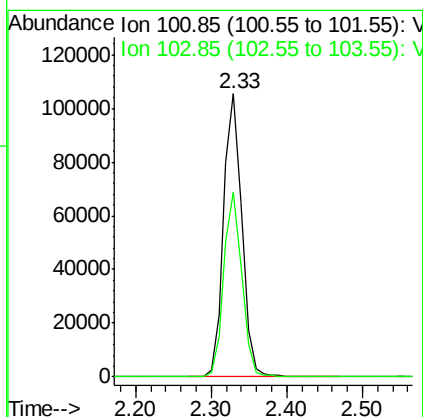
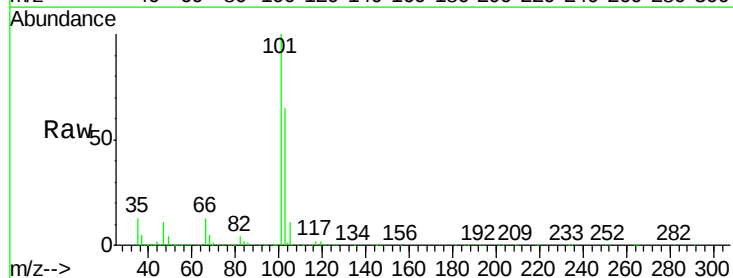
Acq: 18 Sep 2015 22:01

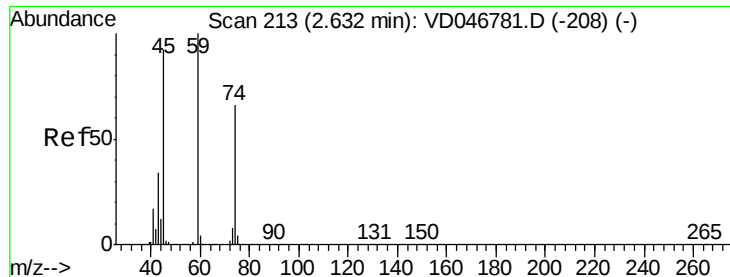
Tgt Ion: 101 Resp: 177486

Ion Ratio Lower Upper

101 100

103 65.3 53.2 79.8





#9

Diethyl Ether

Concen: 60.86 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 74 Resp: 32084

Ion Ratio Lower Upper

74 100

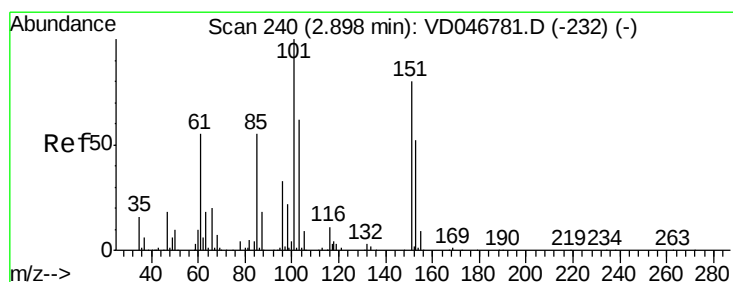
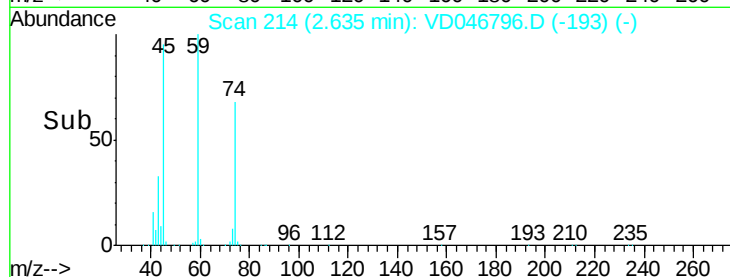
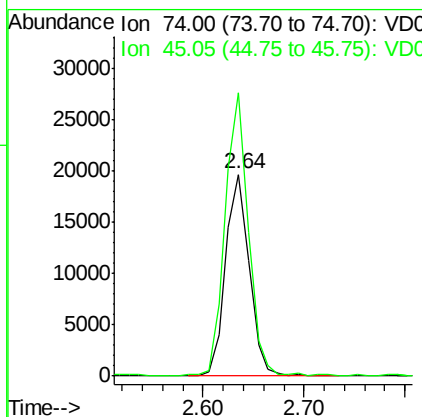
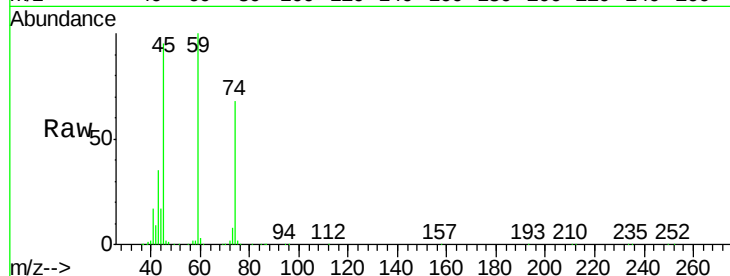
45 140.1 76.2 228.6

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 57.85 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

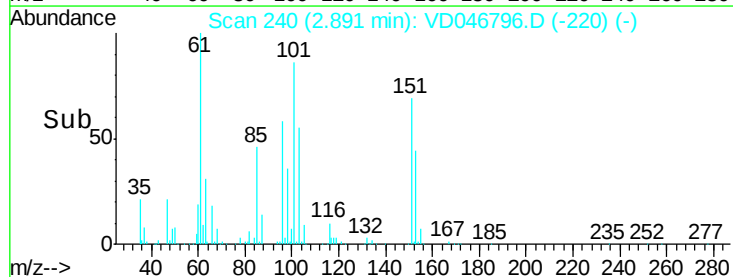
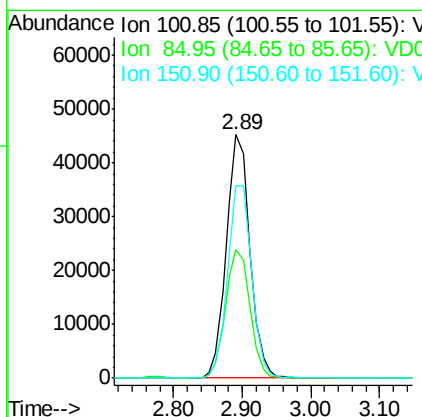
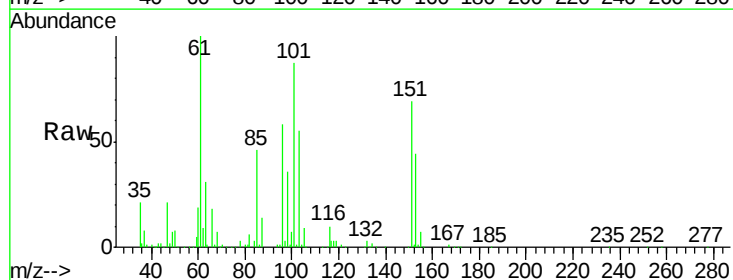
Tgt Ion: 101 Resp: 107654

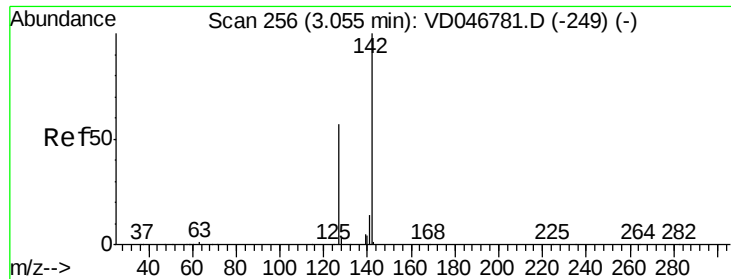
Ion Ratio Lower Upper

101 100

85 52.8 42.0 63.0

151 79.2 65.2 97.8





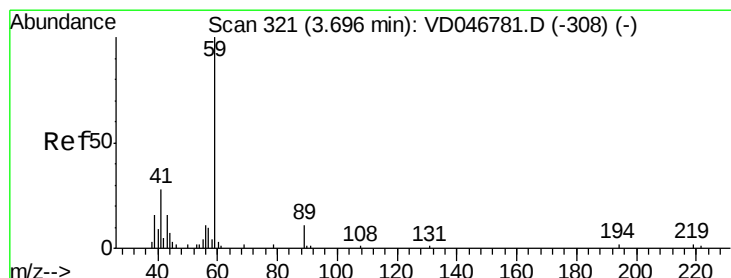
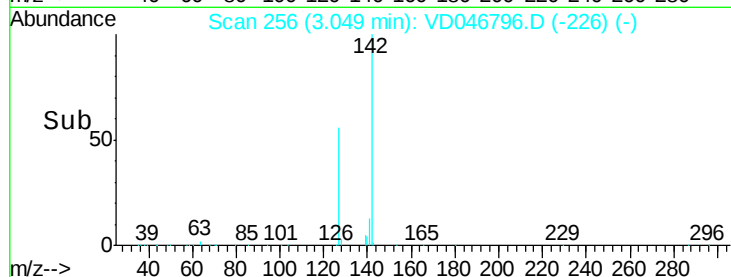
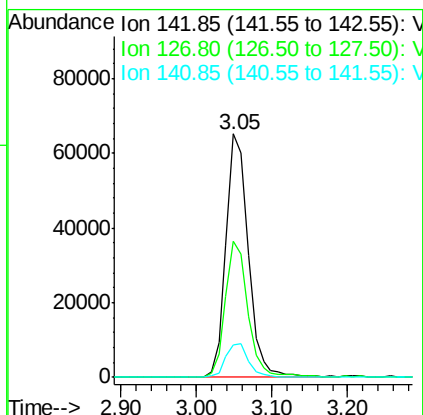
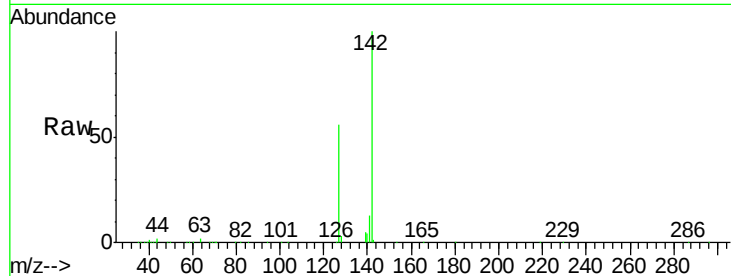
#11
Methyl Iodide
Concen: 61.37 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
142	100		
127	56.1	41.2	61.8
141	13.5	11.6	17.4

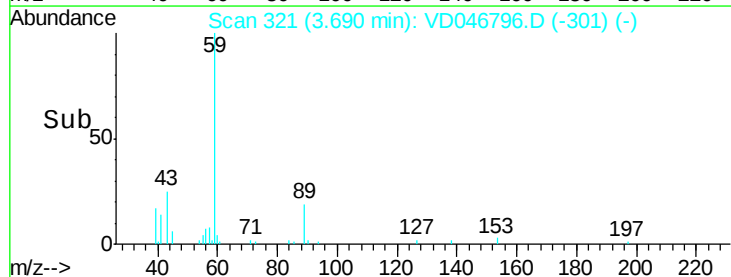
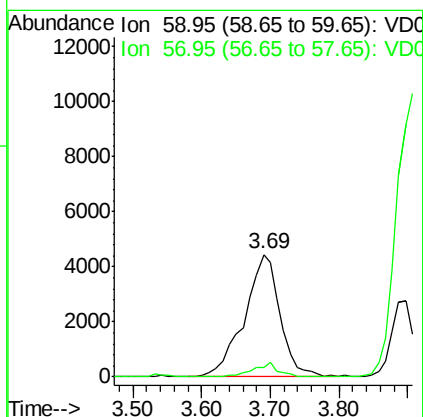
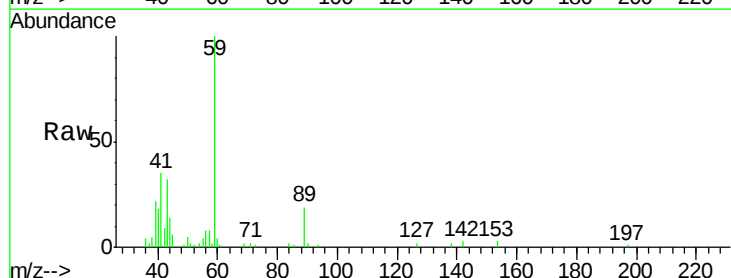
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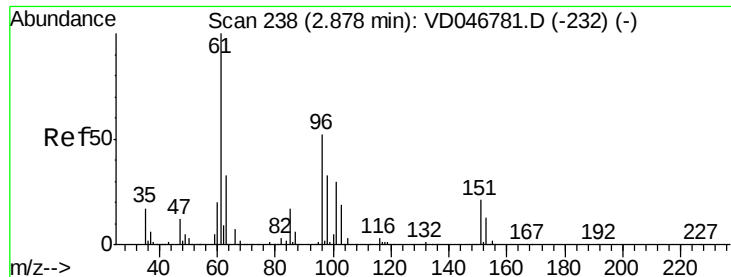
MMDadoda
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#12
Tert butyl alcohol
Concen: 289.02 ug/l
RT: 3.69 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.8	11.6





#13

1,1-Dichloroethene

Concen: 61.57 ug/l

RT: 2.88 min Scan# 239

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

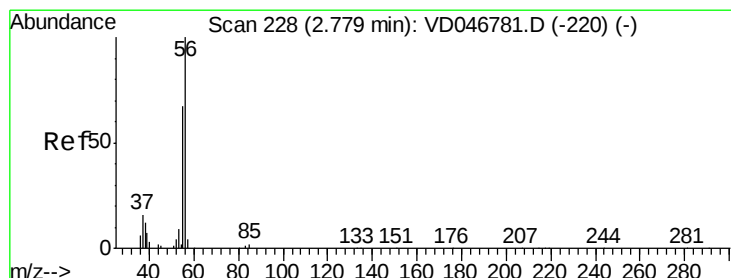
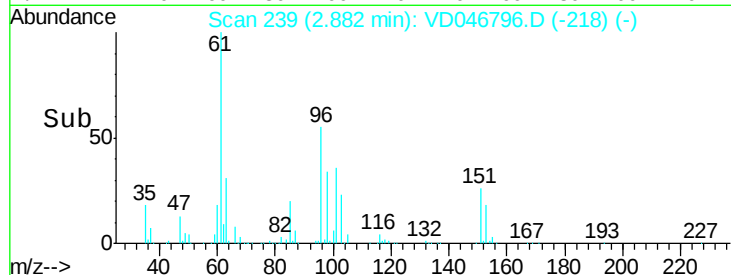
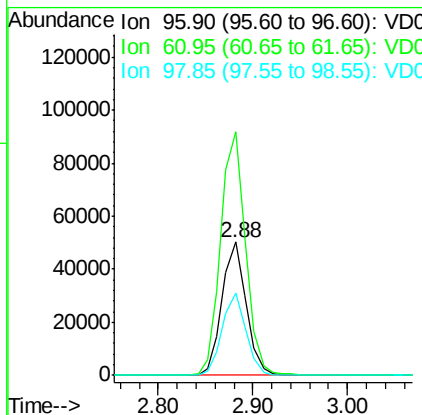
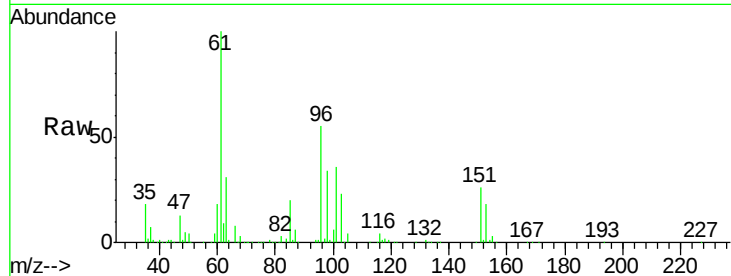
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	89570
Ion	Ratio	Lower	Upper
96	100		
61	182.4	152.2	228.4
98	62.1	51.2	76.8

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#14

Acrolein

Concen: 216.69 ug/l

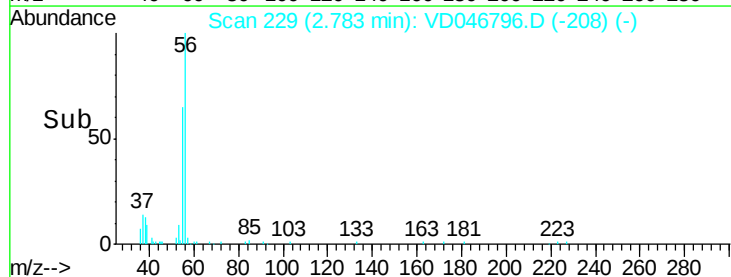
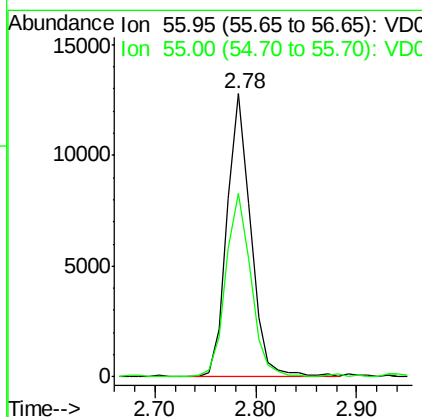
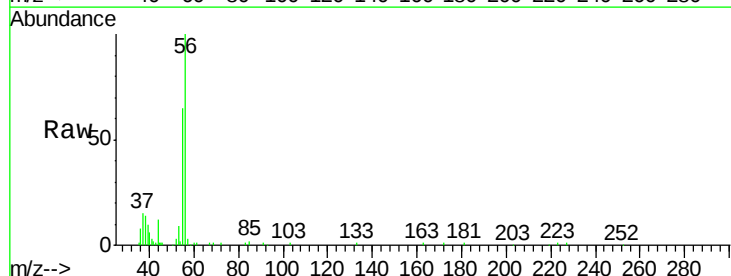
RT: 2.78 min Scan# 229

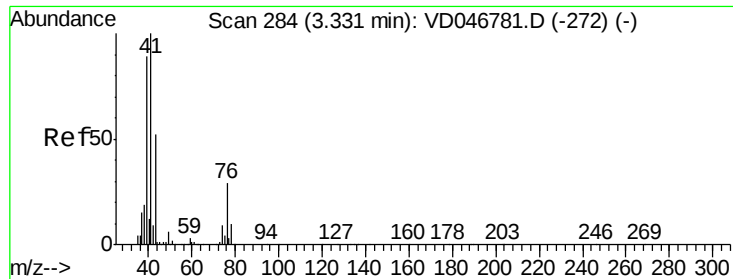
Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Tgt Ion:	56	Resp:	20901
Ion	Ratio	Lower	Upper
56	100		
55	65.0	62.6	93.8





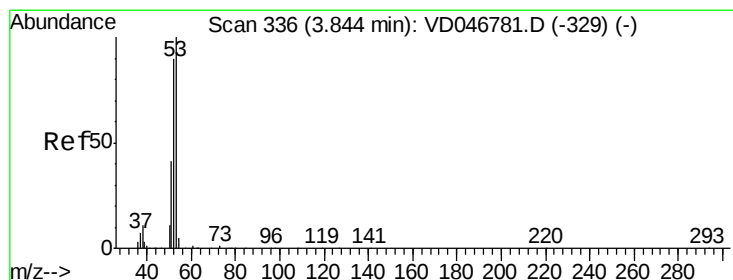
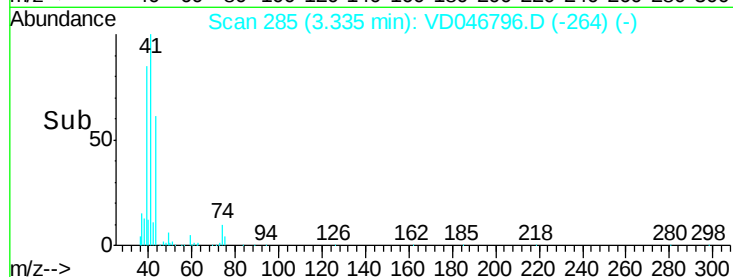
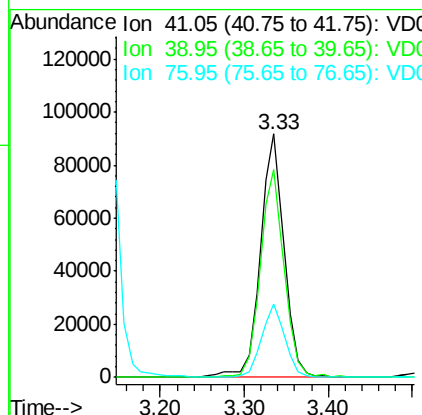
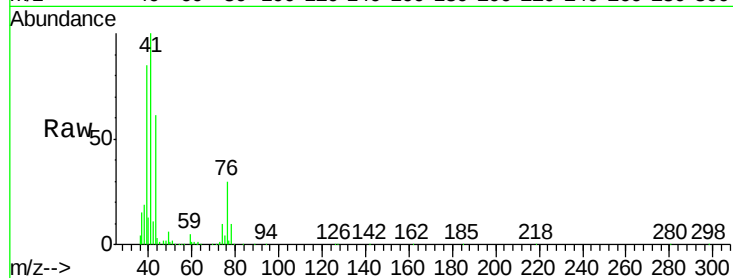
#15
 Allyl chloride
 Concen: 62.06 ug/l
 RT: 3.33 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	183315		
39	85.4	58.8	88.2	
76	30.0	22.7	34.1	

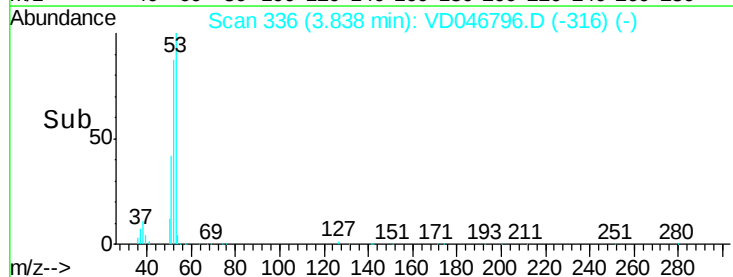
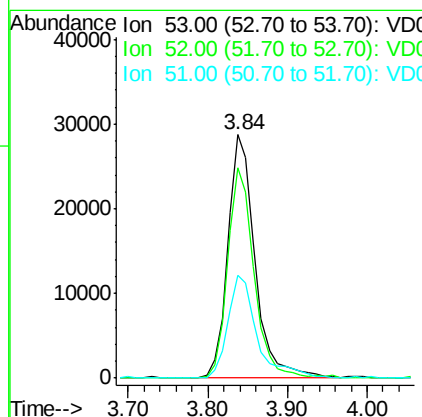
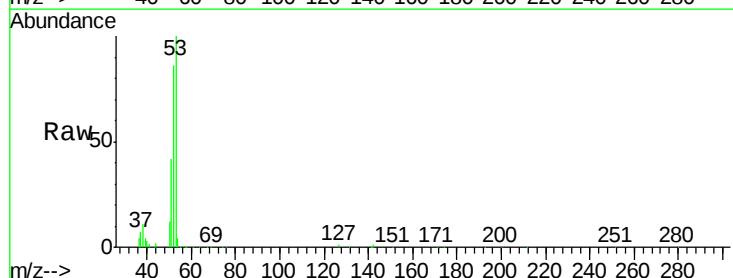
Manual Integrations
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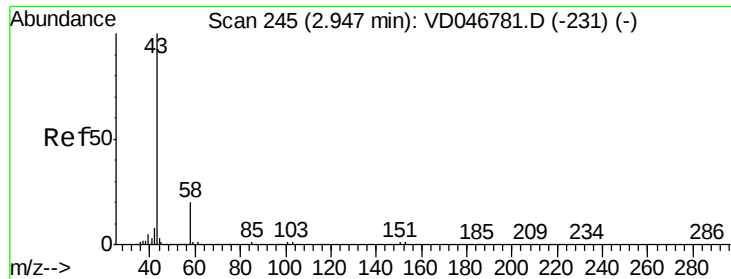
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#16
 Acrylonitrile
 Concen: 312.82 ug/l
 RT: 3.84 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	68962		
52	86.5	66.8	100.2	
51	42.0	31.2	46.8	





#17

Acetone

Concen: 268.81 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 85755

Ion Ratio Lower Upper

43 100

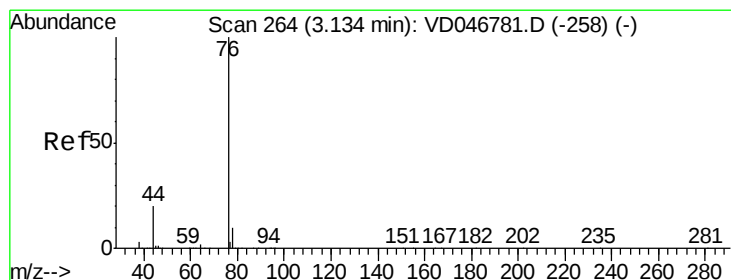
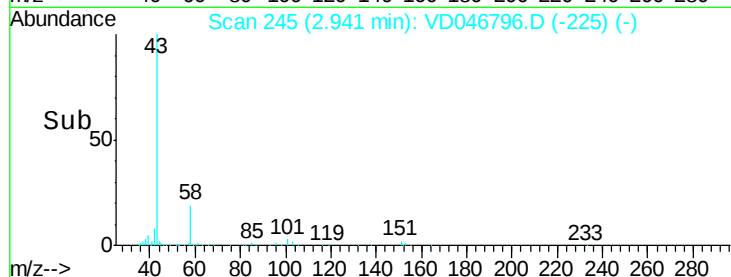
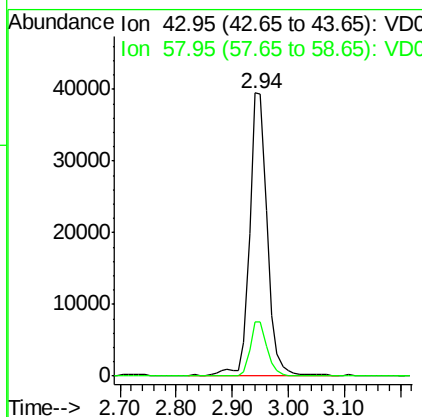
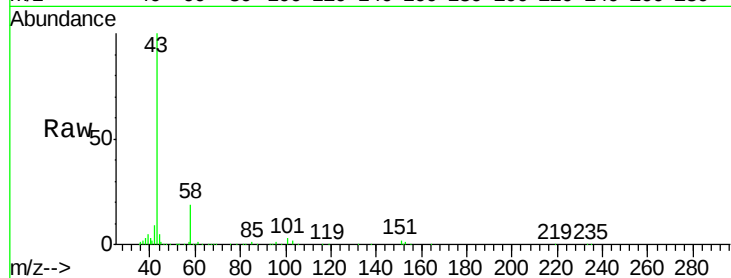
58 19.1 16.6 24.8

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#18

Carbon Disulfide

Concen: 57.65 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.01 min

Lab File: VD046796.D

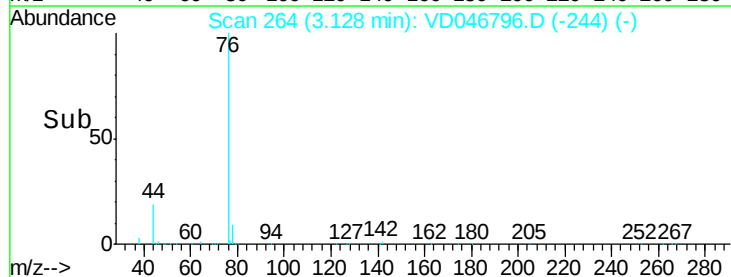
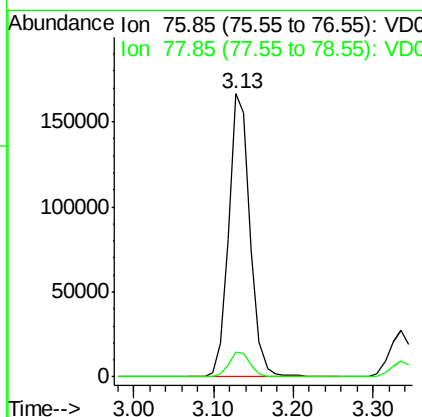
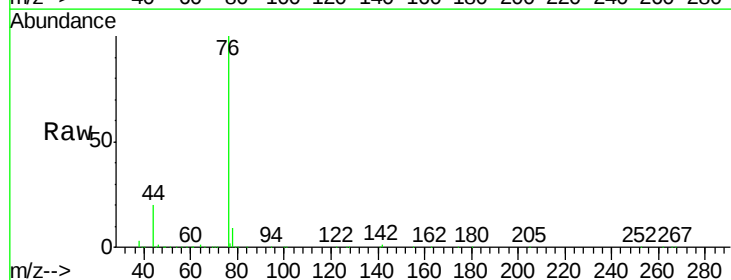
Acq: 18 Sep 2015 22:01

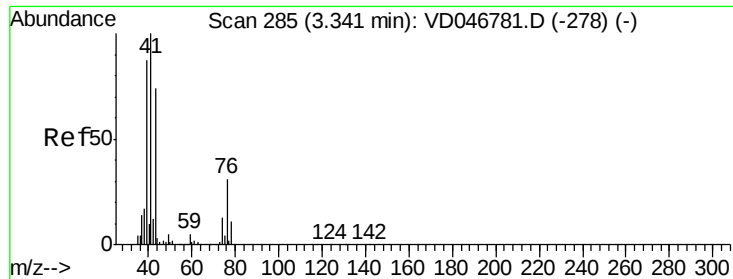
Tgt Ion: 76 Resp: 314168

Ion Ratio Lower Upper

76 100

78 8.9 8.0 12.0





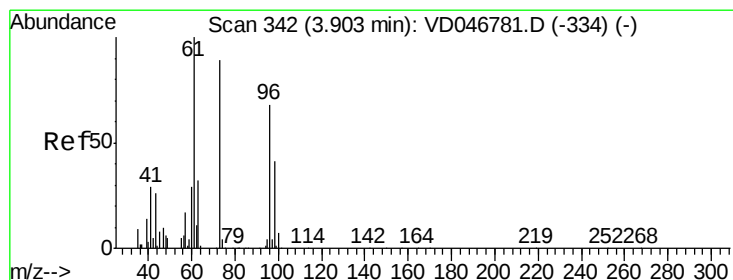
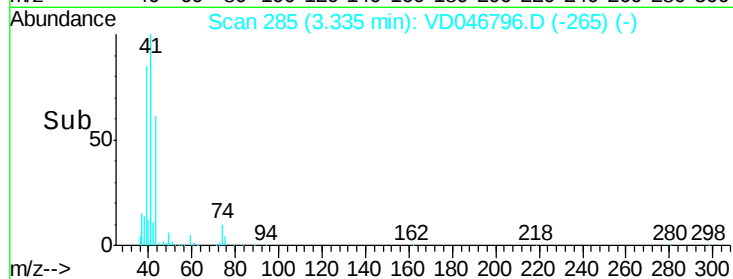
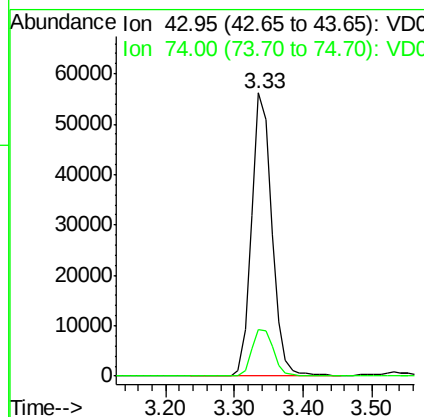
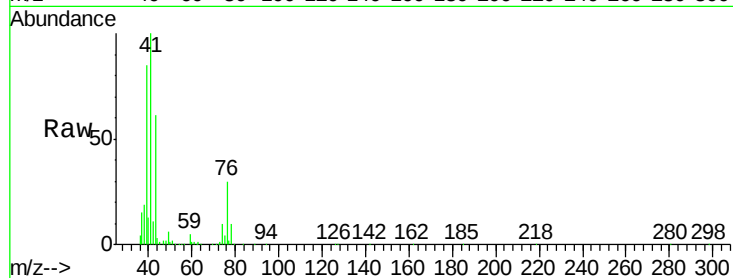
#19
Methyl Acetate
Concen: 62.24 ug/l
RT: 3.33 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 115031
Ion Ratio Lower Upper
43 100
74 16.6 13.7 20.5

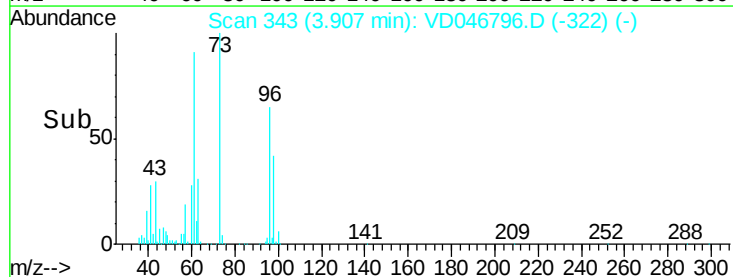
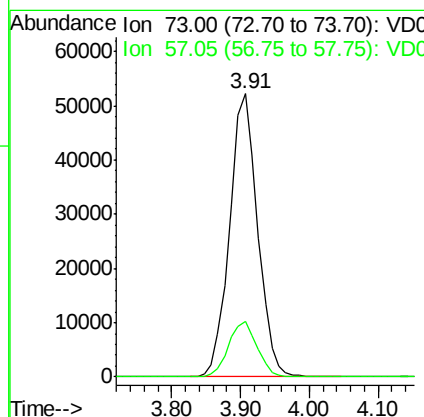
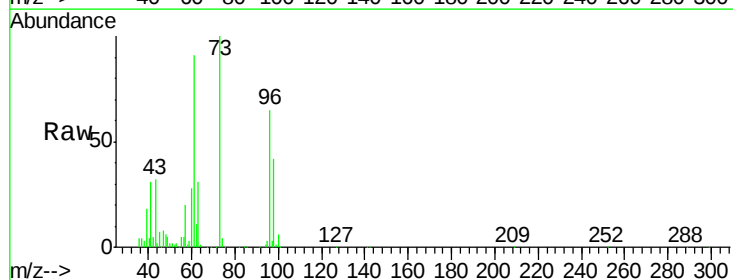
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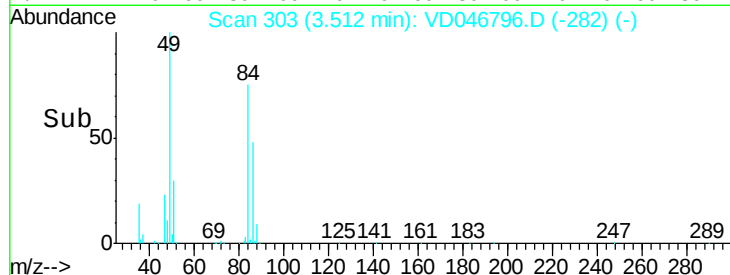
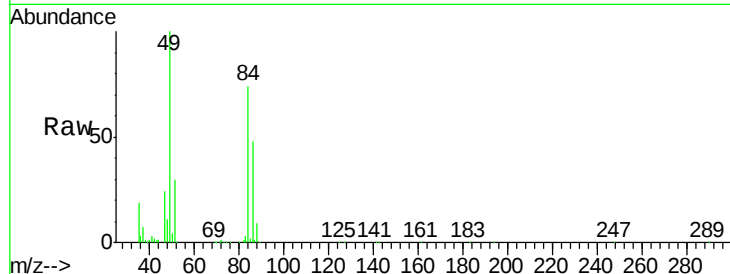
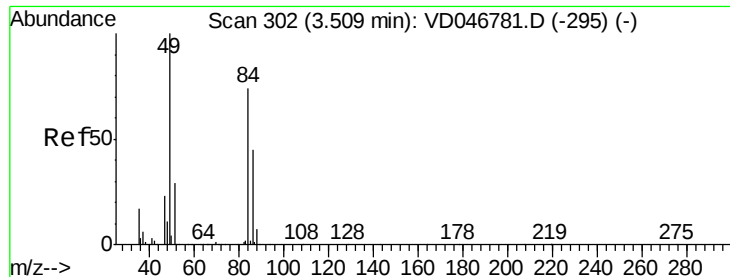
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#20
Methyl tert-butyl Ether
Concen: 64.62 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

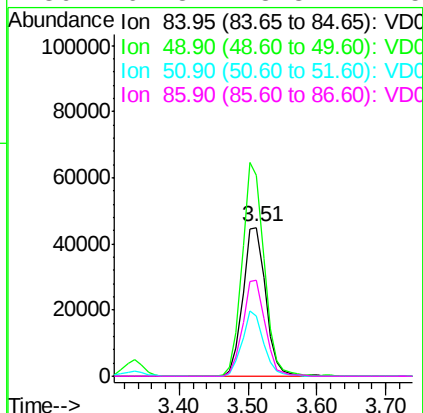
Tgt Ion: 73 Resp: 147278
Ion Ratio Lower Upper
73 100
57 19.7 18.1 27.1





#21
Methylene Chloride
Concen: 59.58 ug/l
RT: 3.51 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

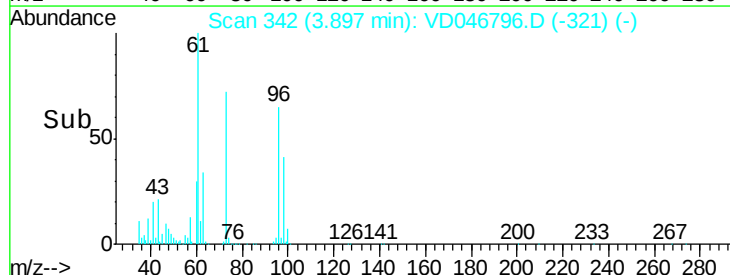
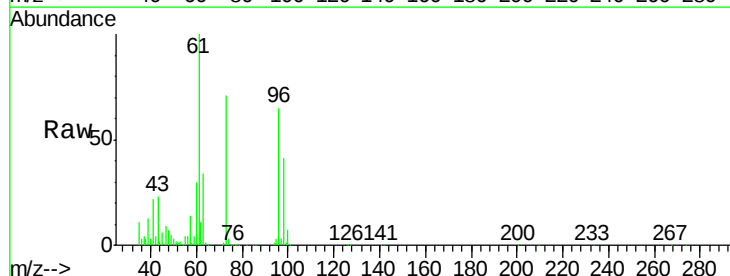
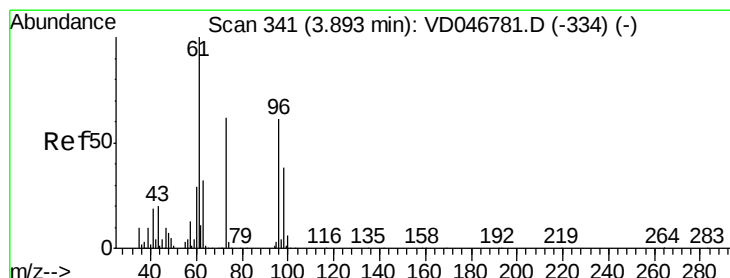
Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.7	122.1	183.1
51	40.8	33.6	50.4
86	64.8	48.3	72.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

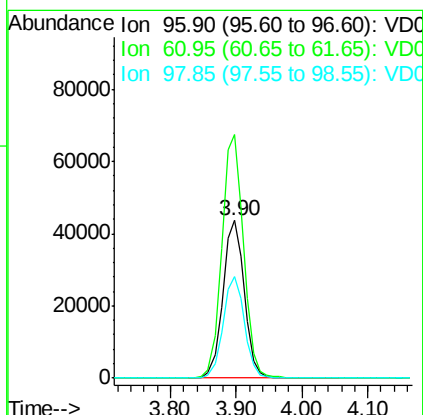
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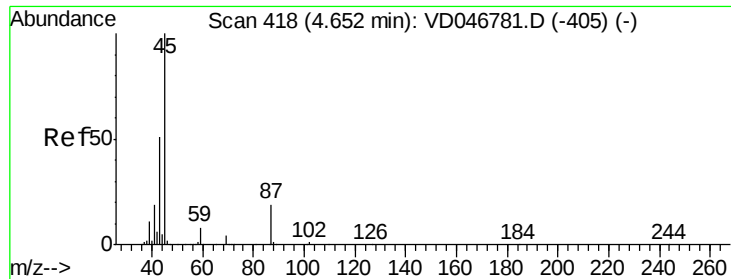
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#22
trans-1,2-Dichloroethene
Concen: 60.61 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	125.8	188.6
98	64.1	54.5	81.7





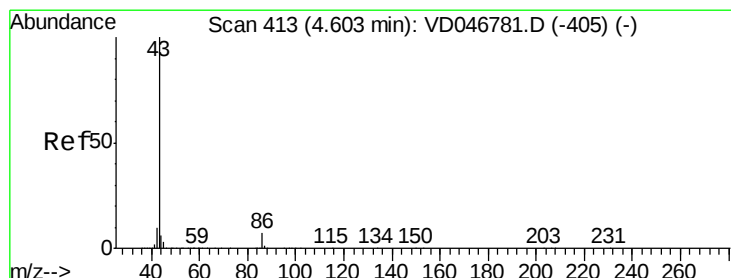
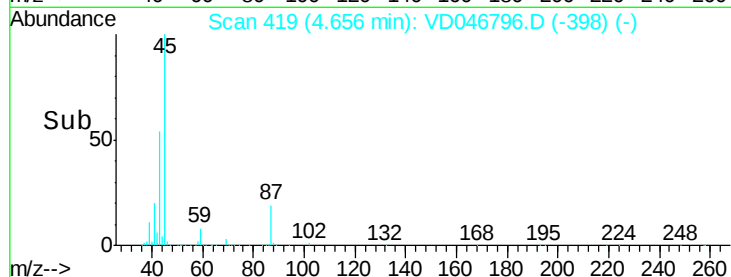
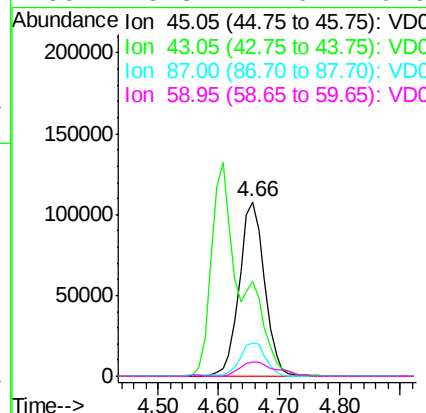
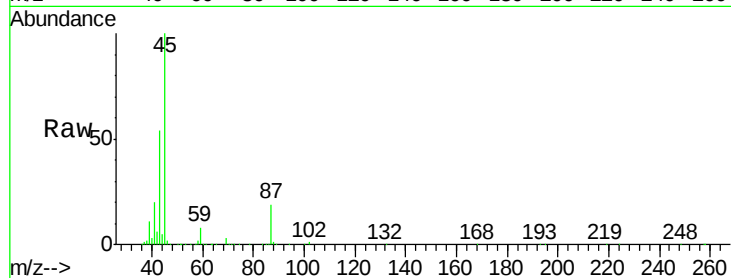
#23
Diisopropyl ether
Concen: 63.86 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.3	35.9	53.9#
87	18.9	13.0	19.6
59	8.3	7.0	10.6

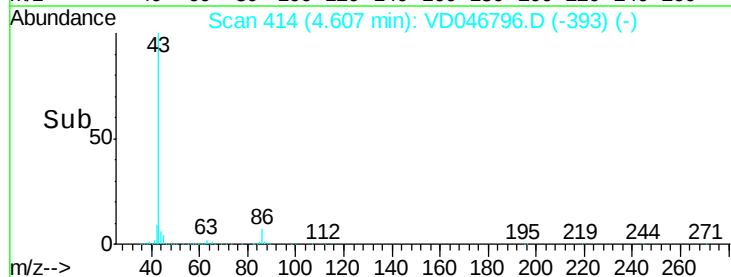
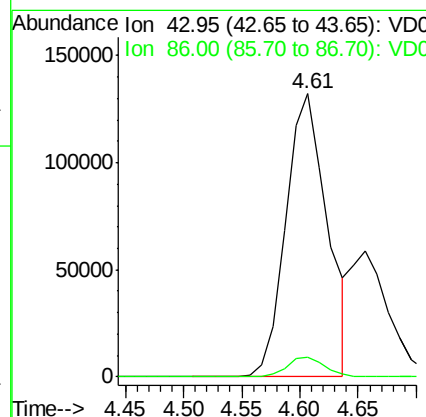
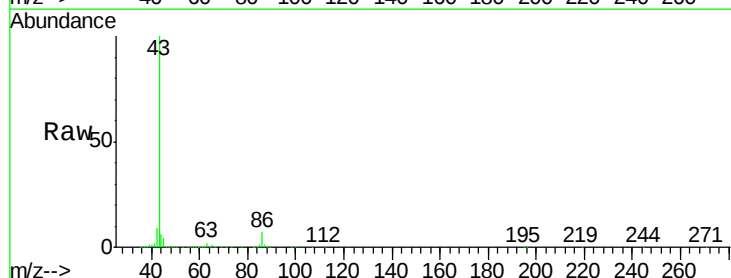
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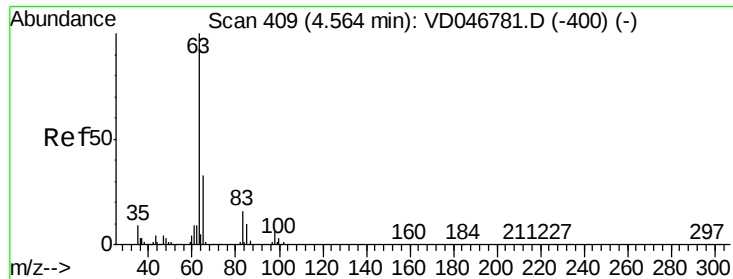
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#24
Vinyl Acetate
Concen: 282.12 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.1	4.9	7.3





#25

1,1-Dichloroethane

Concen: 60.07 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

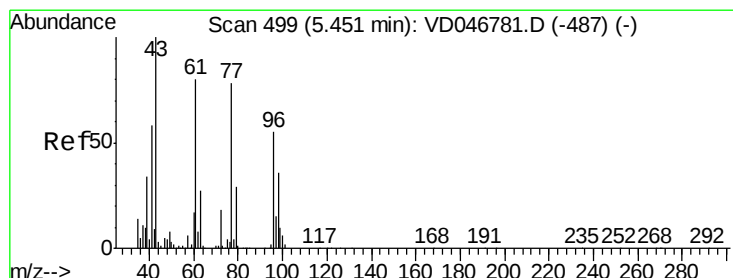
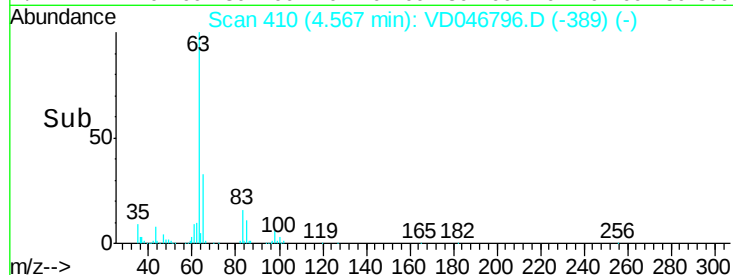
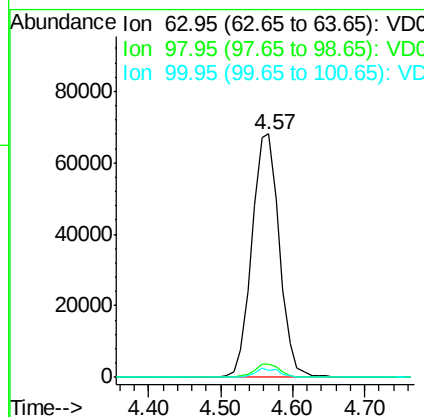
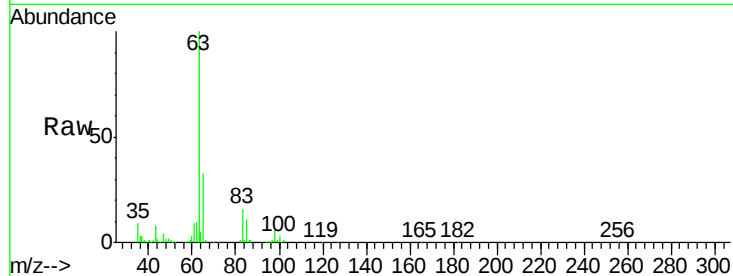
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	63	Resp:	181455
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.5	7.5
100	3.0	1.5	4.5

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#26

2-Butanone

Concen: 302.28 ug/l

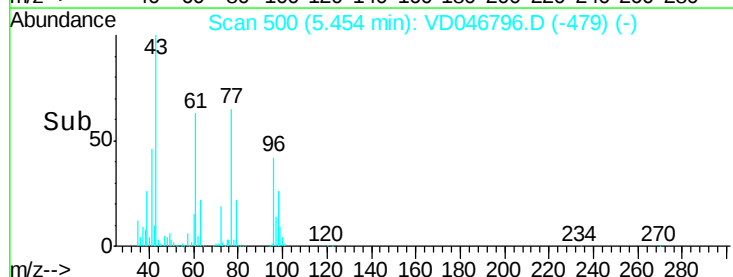
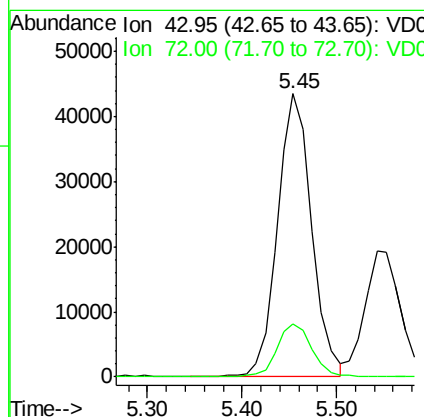
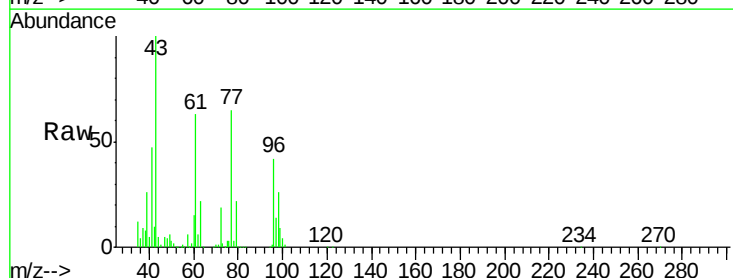
RT: 5.45 min Scan# 500

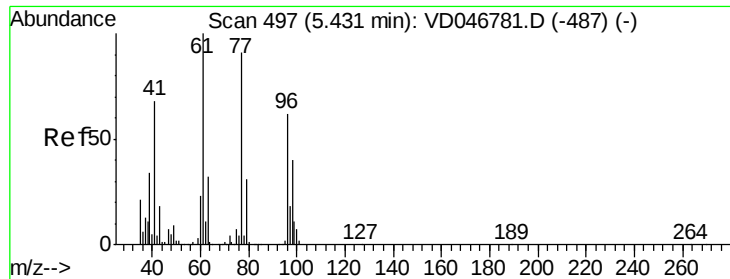
Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Tgt Ion:	43	Resp:	108379
Ion Ratio	Lower	Upper	
43	100		
72	18.7	13.4	20.0





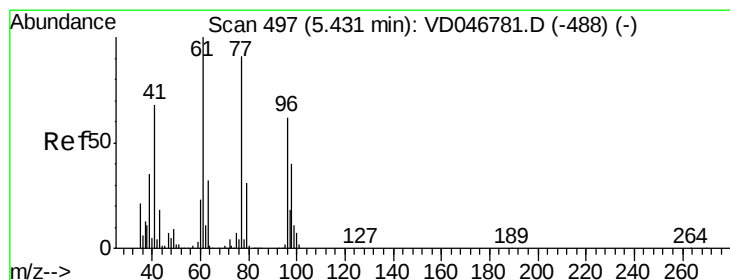
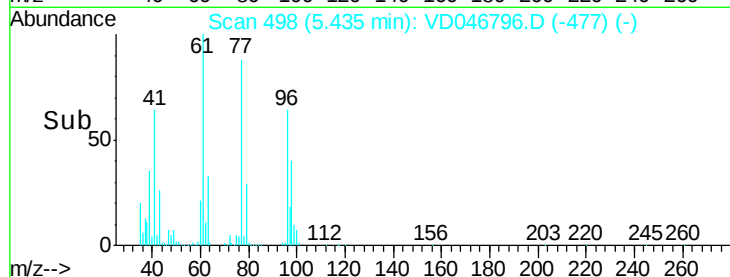
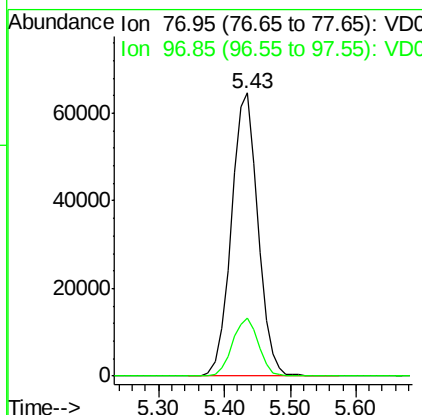
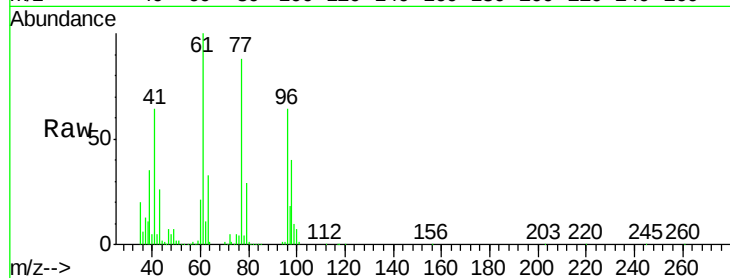
#27
 2,2-Dichloropropane
 Concen: 59.22 ug/l
 RT: 5.43 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 77 Resp: 183804
 Ion Ratio Lower Upper
 77 100
 97 20.4 10.4 31.1

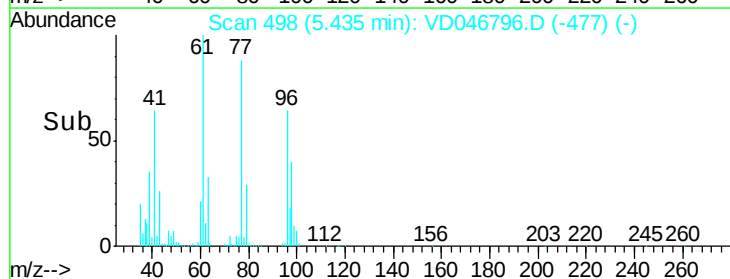
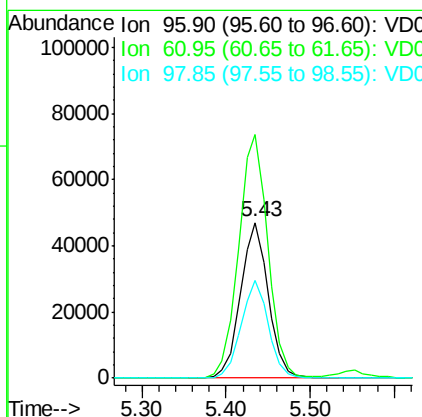
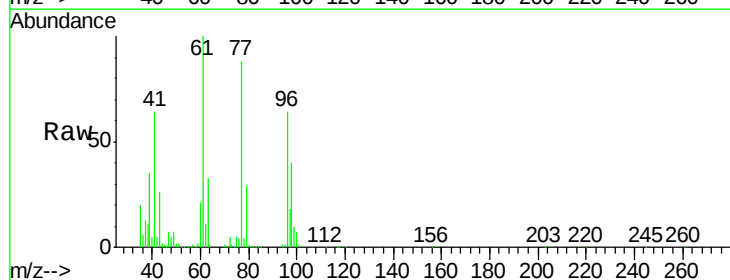
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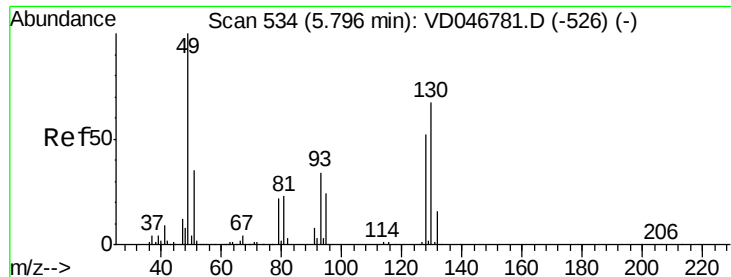
MMDadoda
 9/21/2015 11:39:35 AM



#28
 cis-1,2-Dichloroethene
 Concen: 63.20 ug/l
 RT: 5.43 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion: 96 Resp: 107941
 Ion Ratio Lower Upper
 96 100
 61 156.3 0.0 348.0
 98 63.1 0.0 128.8





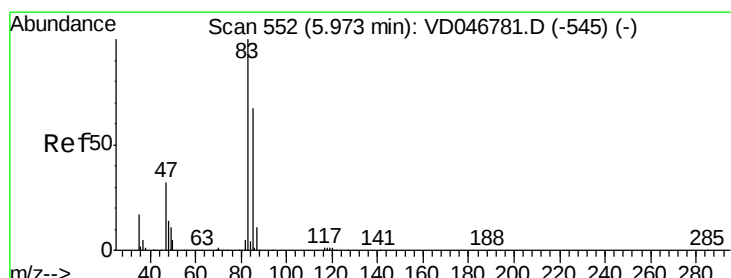
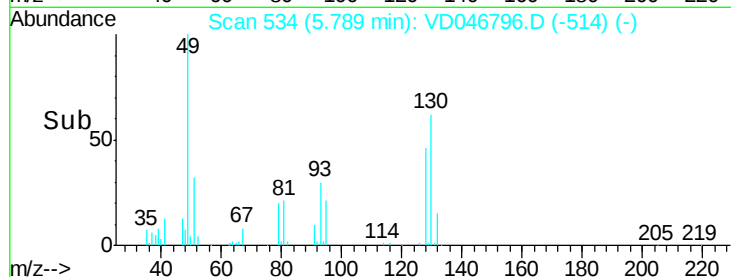
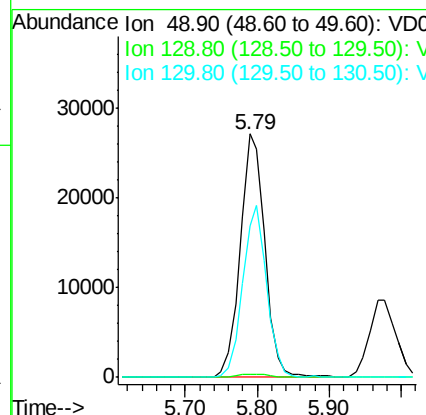
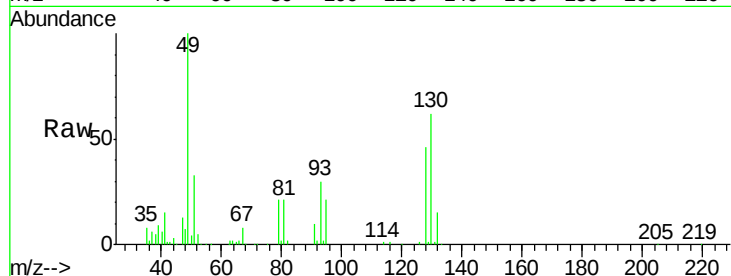
#29
Bromochloromethane
Concen: 54.47 ug/l
RT: 5.79 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.8
130	62.2	50.2	75.4

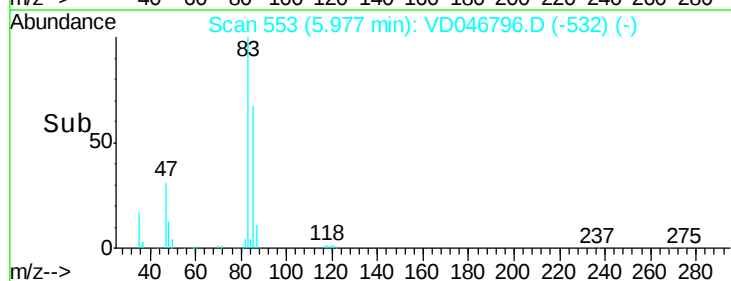
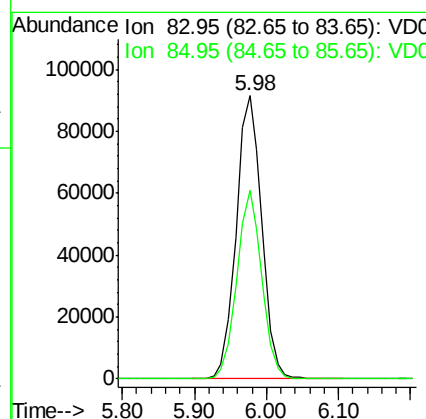
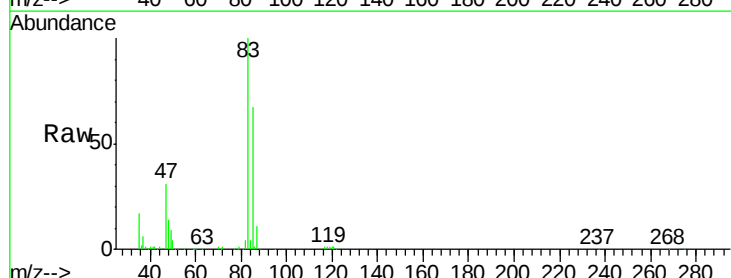
Manual Integrations
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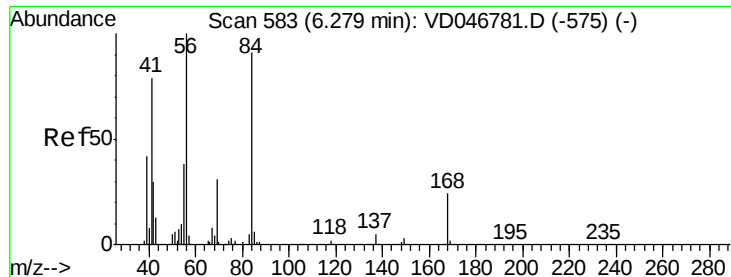
MMDadoda
9/21/2015 11:39:35 AM



#30
Chloroform
Concen: 61.73 ug/l
RT: 5.98 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.5	78.7





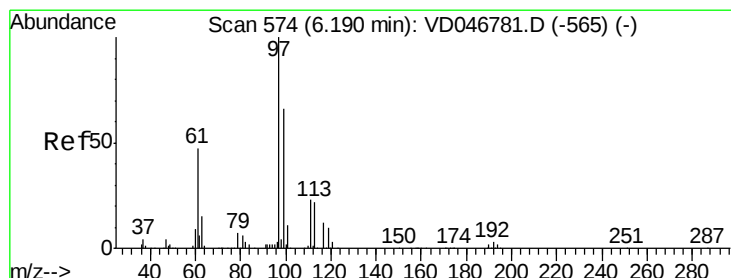
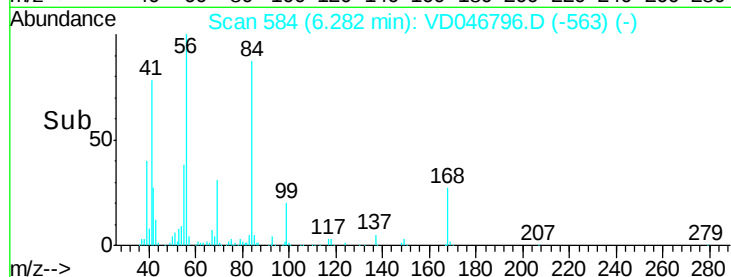
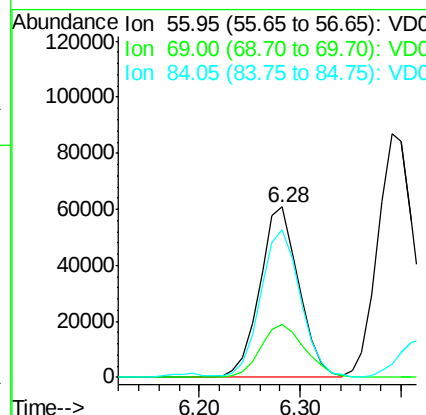
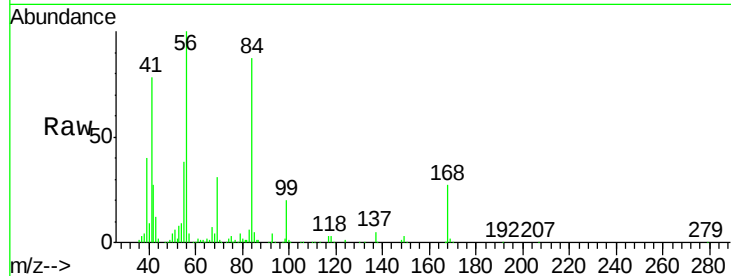
#31
Cyclohexane
Concen: 58.01 ug/l
RT: 6.28 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.4	35.0
84	86.6	63.8	95.8

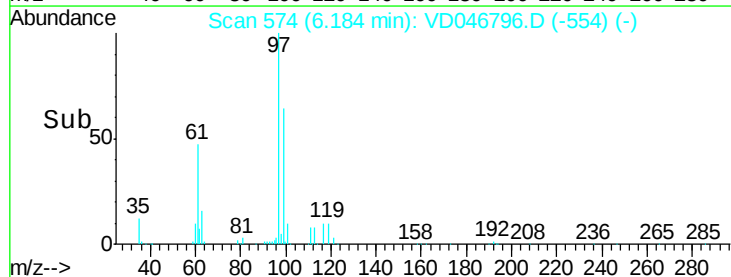
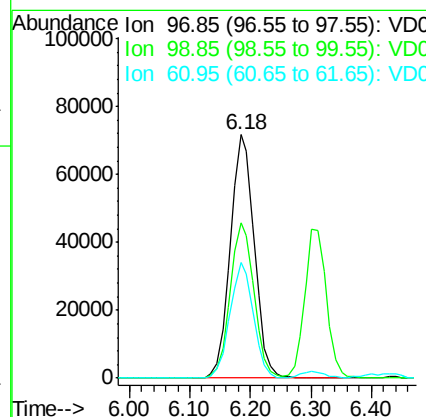
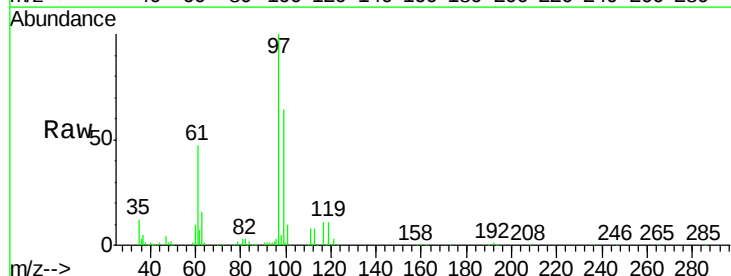
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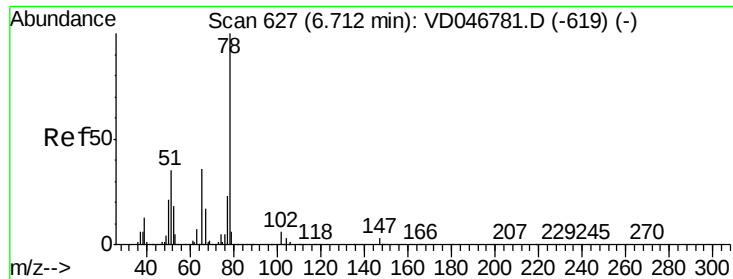
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#32
1,1,1-Trichloroethane
Concen: 60.31 ug/l
RT: 6.18 min Scan# 574
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.2	75.4
61	47.3	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 60.31 ug/l

RT: 6.72 min Scan# 628

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 104569

Ion Ratio Lower Upper

65 100

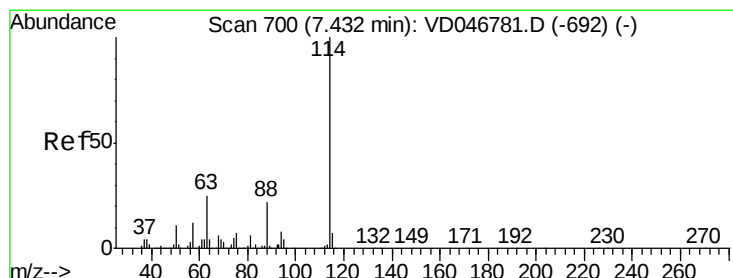
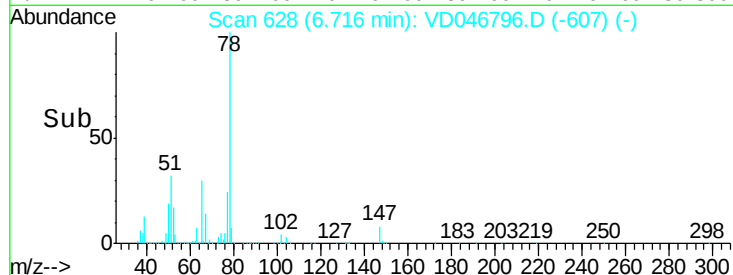
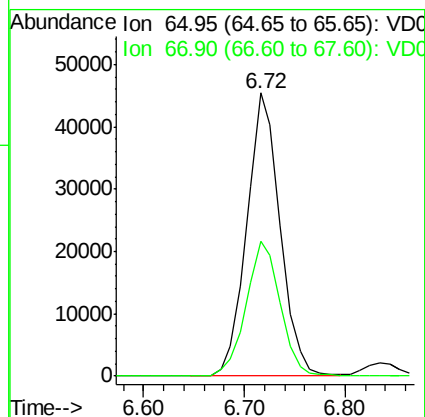
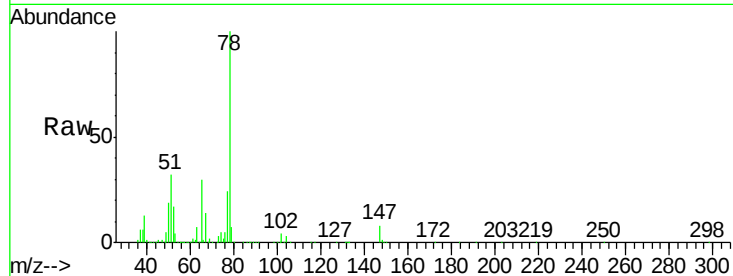
67 47.6 0.0 105.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

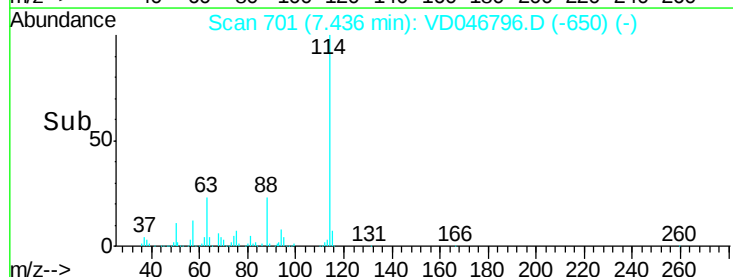
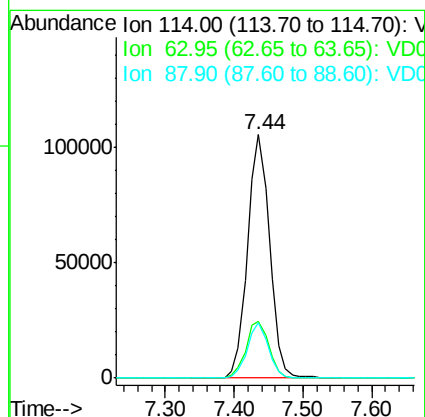
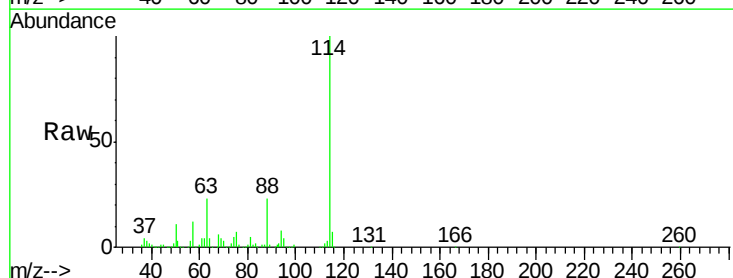
Tgt Ion: 114 Resp: 234832

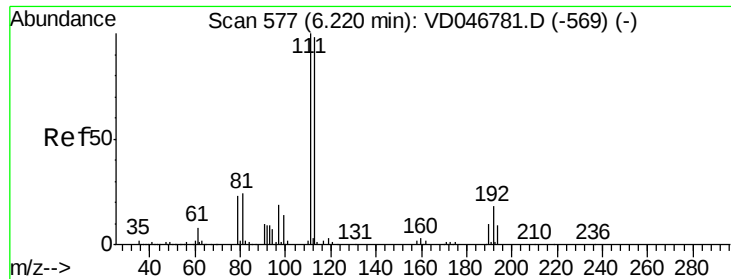
Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.8

88 22.6 0.0 43.6





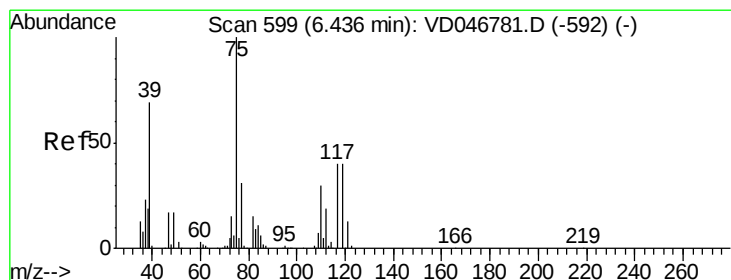
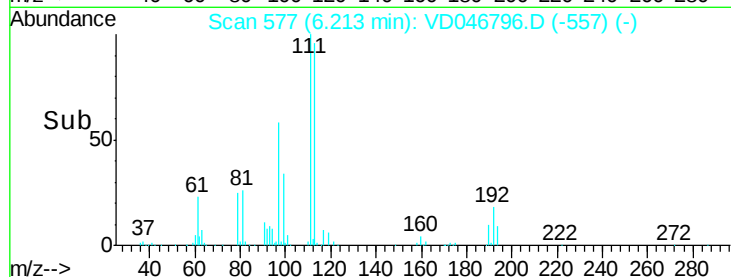
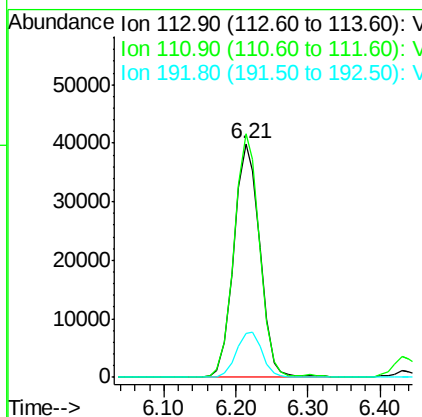
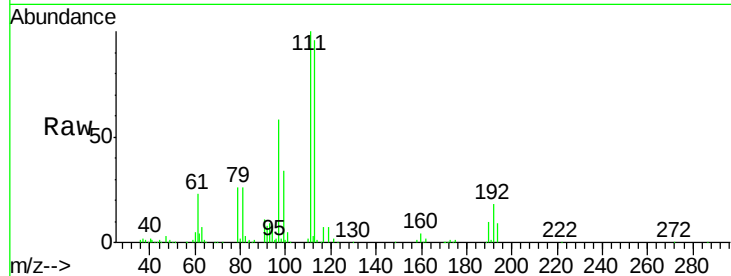
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.21 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	100345		
111	104.1	79.4	119.0	
192	18.8	14.6	22.0	

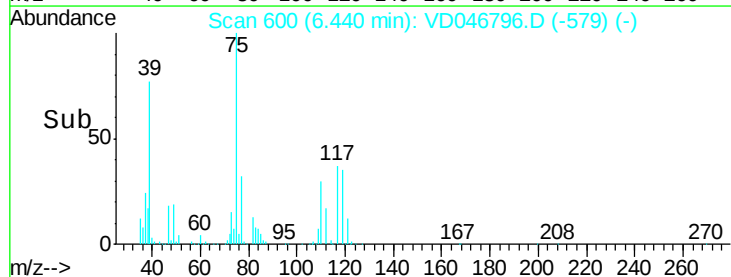
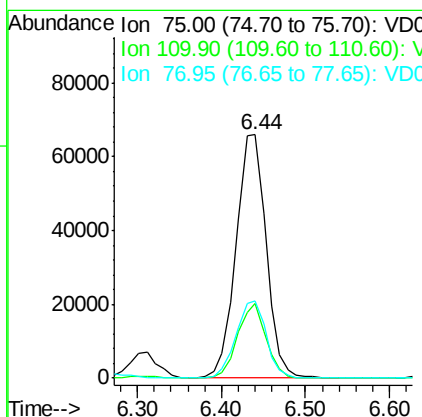
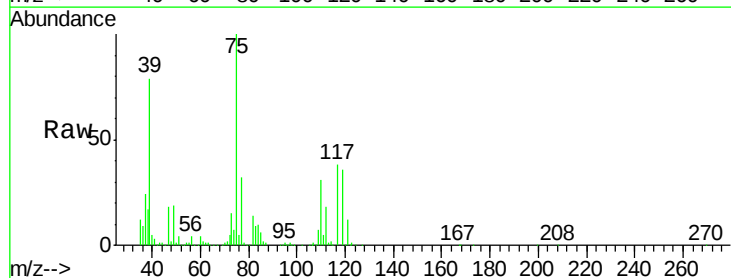
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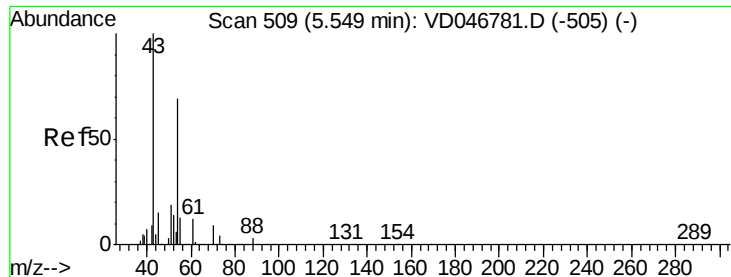
MMDadoda
 9/21/2015 11:39:35 AM



#36
 1,1-Dichloropropene
 Concen: 59.71 ug/l
 RT: 6.44 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	163861		
110	30.7	13.7	41.0	
77	31.7	24.7	37.1	





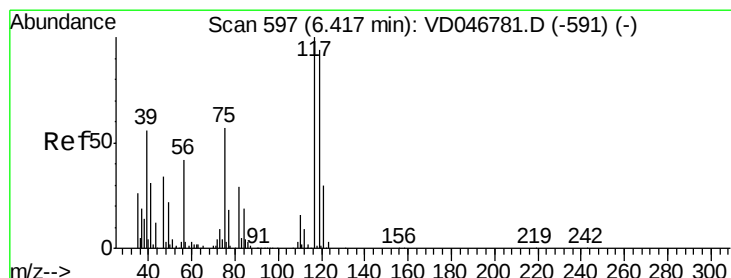
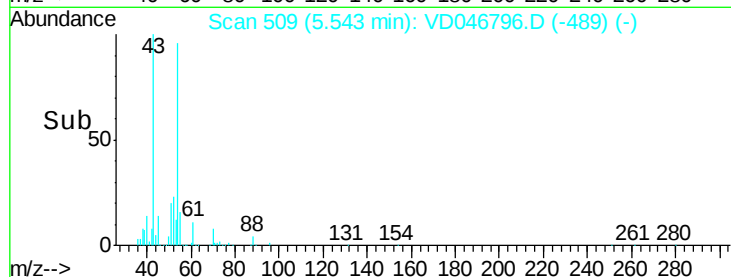
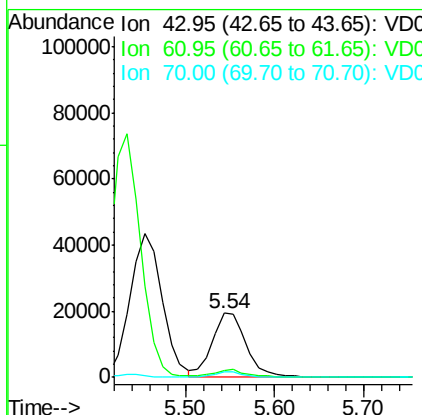
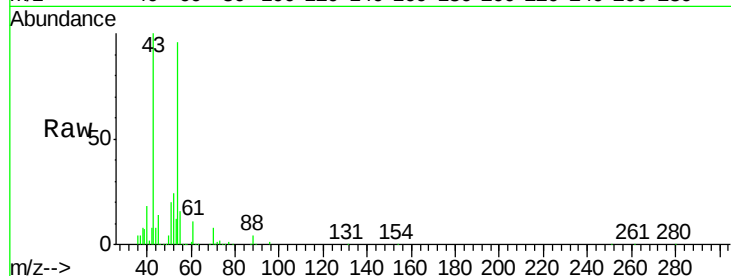
#37
 Ethyl Acetate
 Concen: 58.64 ug/l
 RT: 5.54 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.4	14.2
70	7.9	6.0	9.0

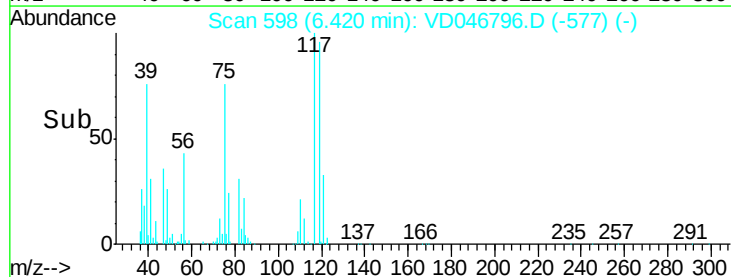
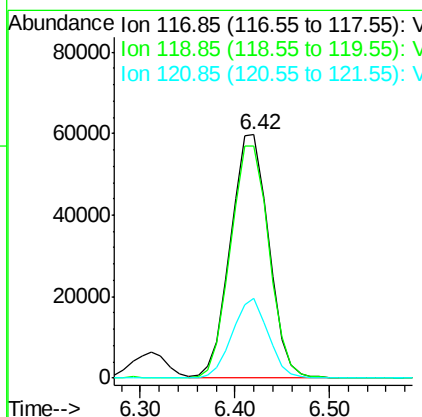
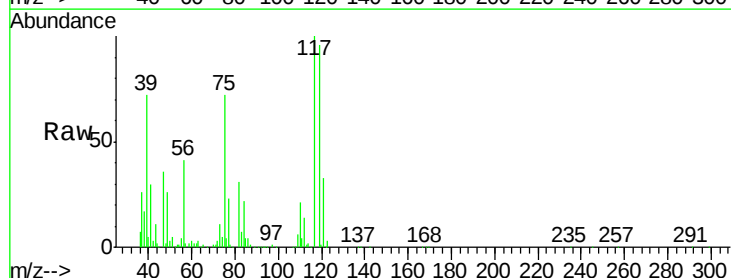
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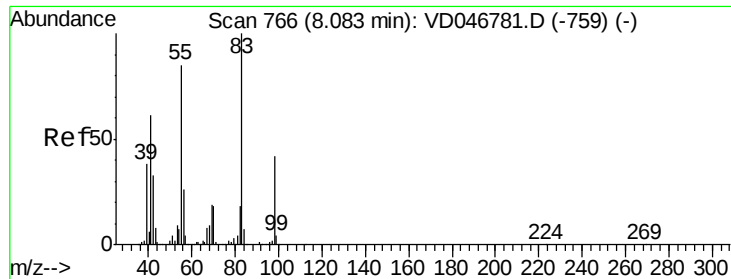
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#38
 Carbon Tetrachloride
 Concen: 58.46 ug/l
 RT: 6.42 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.4
121	32.6	24.5	36.7





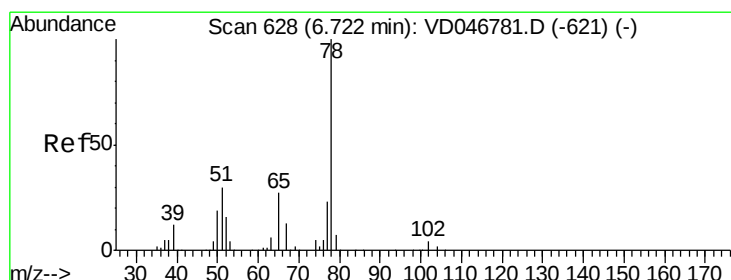
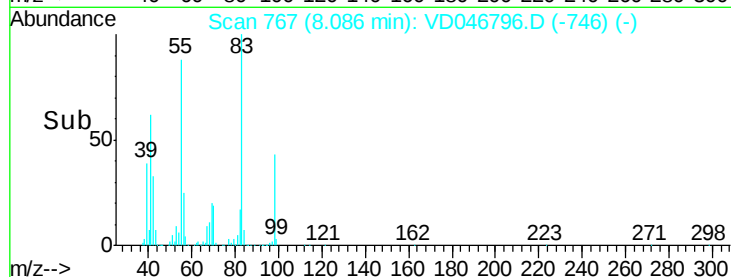
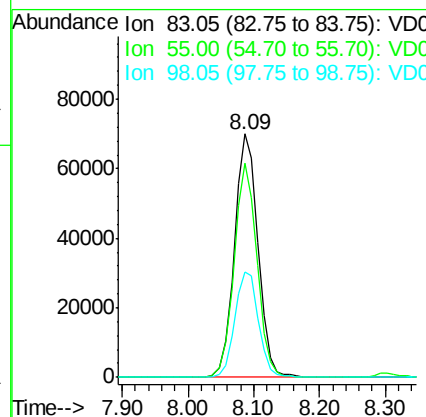
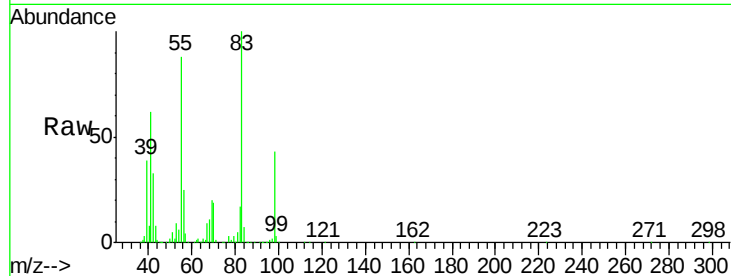
#39
Methylcyclohexane
Concen: 63.21 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.1	71.1	106.7
98	43.1	34.6	51.8

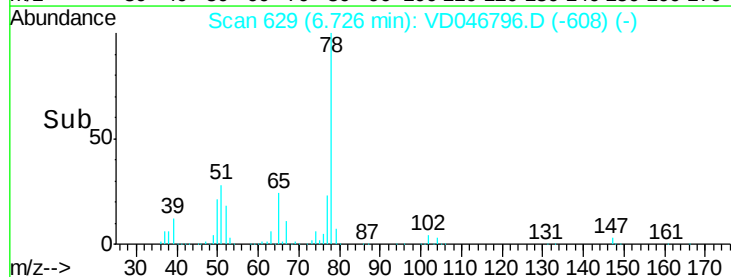
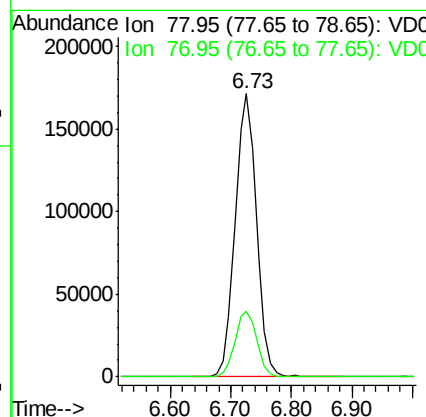
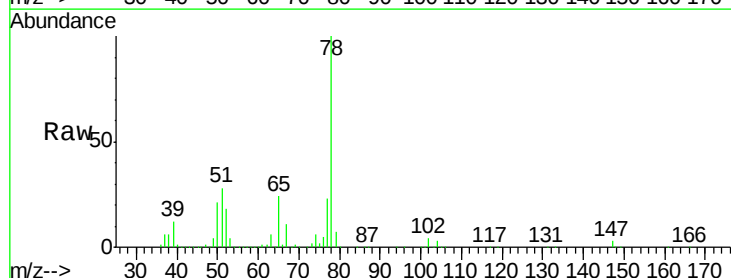
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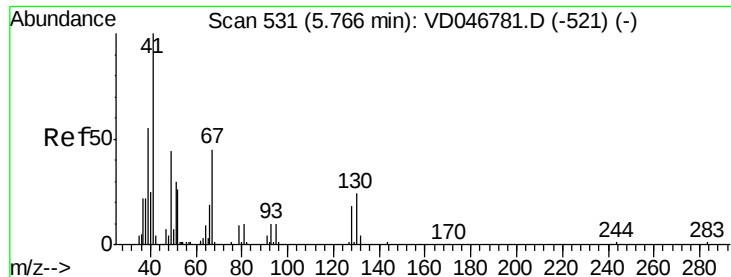
MMDadoda
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#40
Benzene
Concen: 59.89 ug/l
RT: 6.73 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.9	29.9





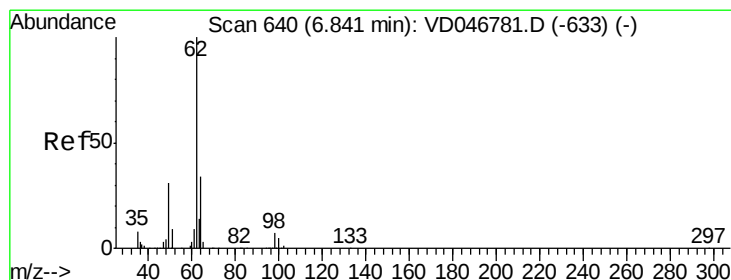
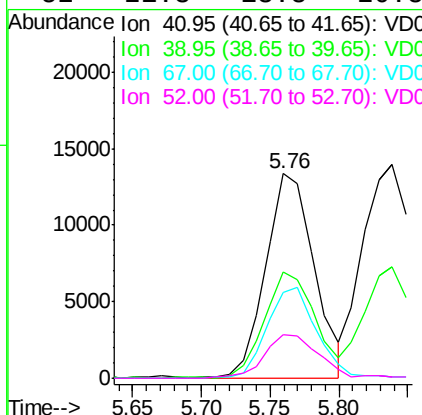
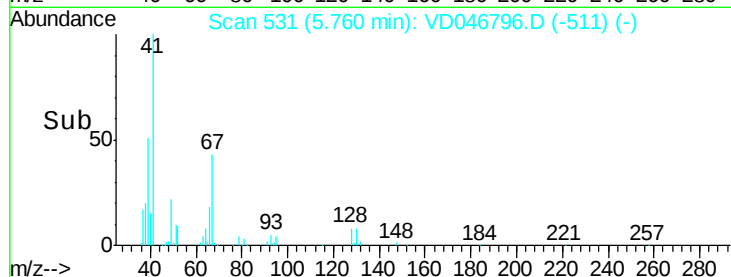
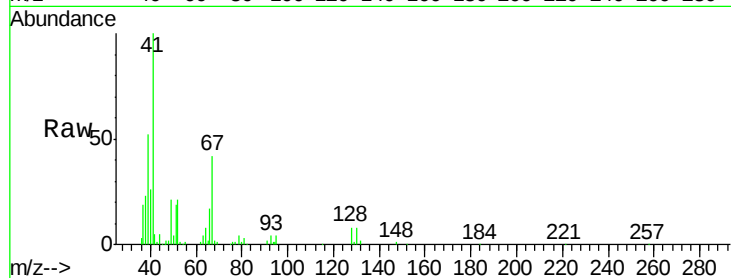
#41
Methacrylonitrile
Concen: 66.16 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.0	40.2	60.4
67	42.2	32.0	48.0
52	21.3	13.8	20.8

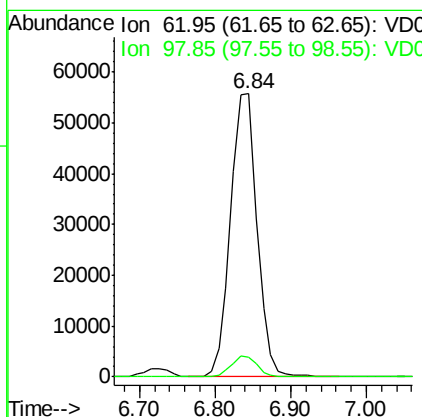
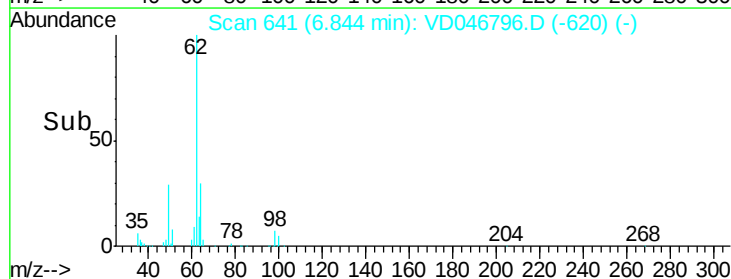
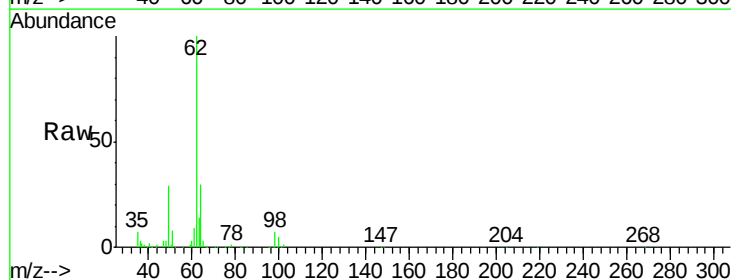
Manual Integrations
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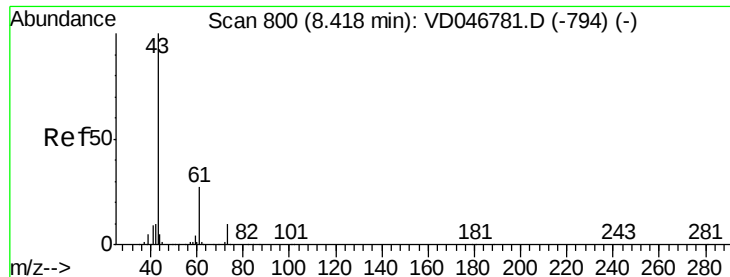
MMDadoda
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#42
1,2-Dichloroethane
Concen: 61.73 ug/l
RT: 6.84 min Scan# 641
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	16.2





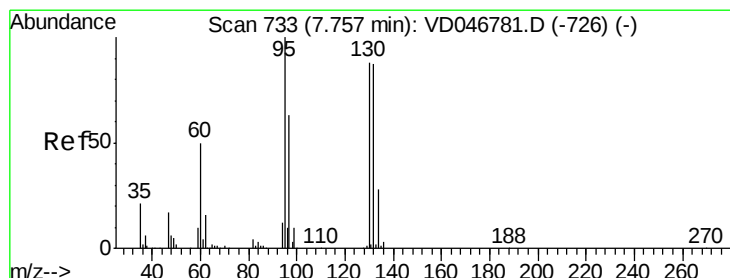
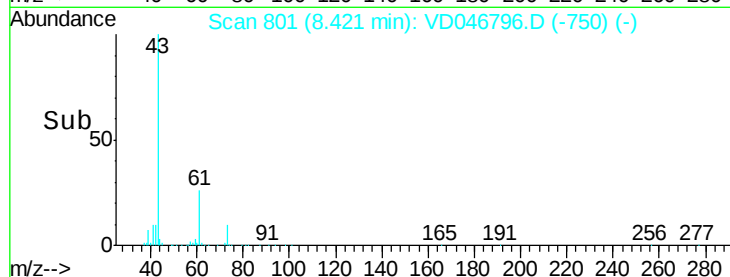
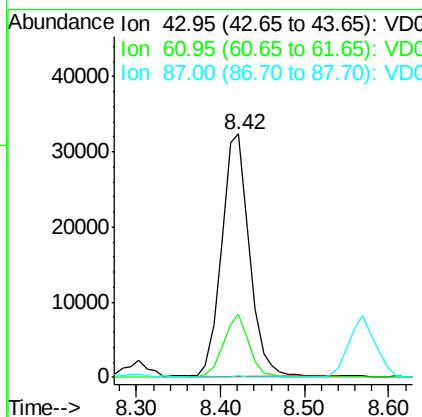
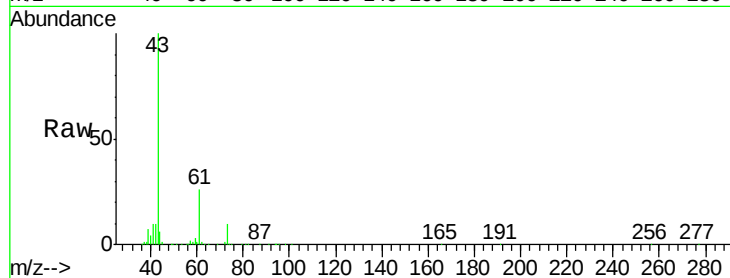
#43
Isopropyl Acetate
Concen: 63.23 ug/l
RT: 8.42 min Scan# 801
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.0	19.5	29.3
87	0.4	0.2	0.2#

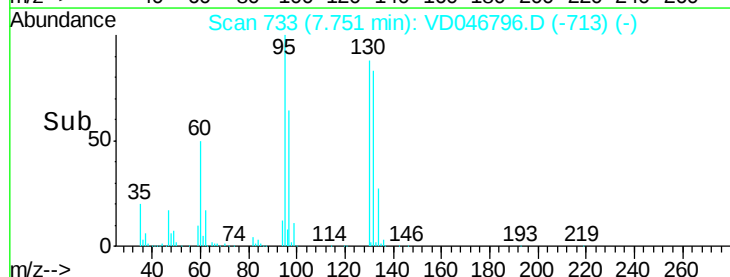
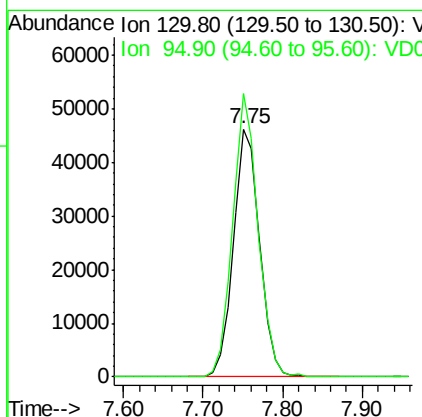
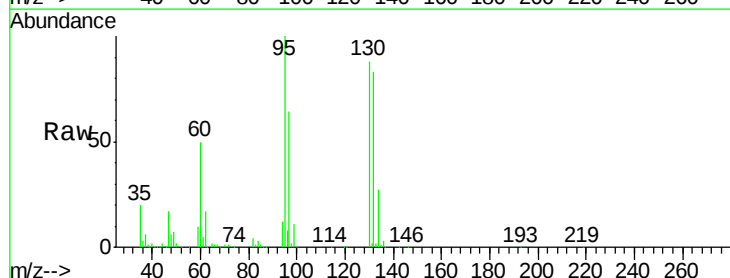
Manual Integrations
APPROVED

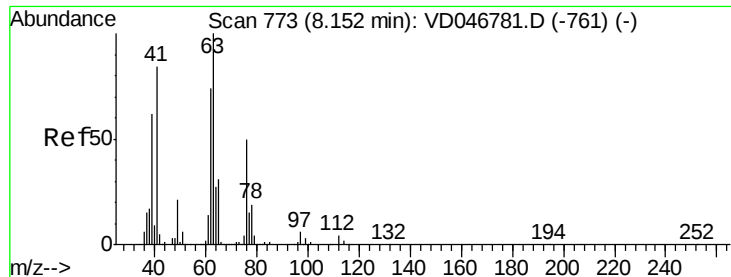
MMDadoda
9/21/2015 11:39:35 AM



#44
Trichloroethene
Concen: 60.37 ug/l
RT: 7.75 min Scan# 733
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.1	0.0	229.4





#45

1,2-Dichloropropane

Concen: 60.29 ug/l

RT: 8.16 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 104639

Ion Ratio Lower Upper

63 100

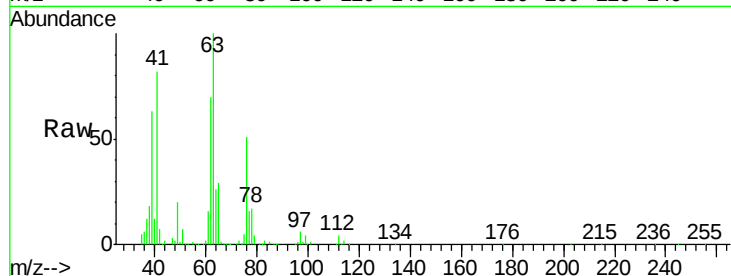
65 28.5 25.1 37.7

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.16

40000

30000

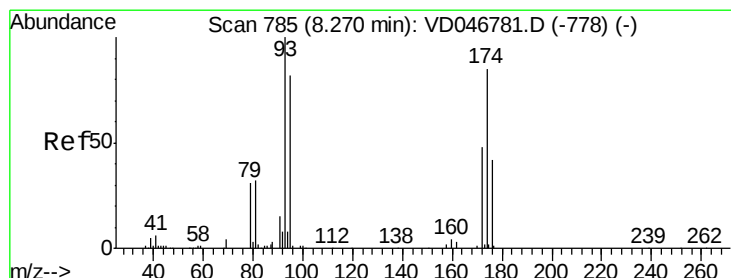
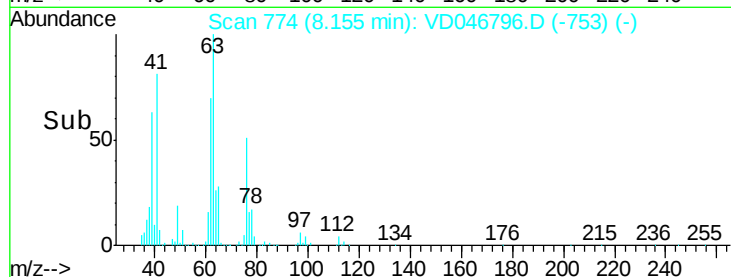
20000

10000

0

8.00 8.10 8.20 8.30

Time-->



#46

Dibromomethane

Concen: 60.71 ug/l

RT: 8.27 min Scan# 786

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

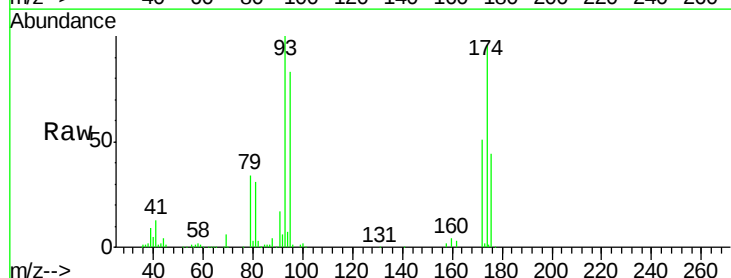
Tgt Ion: 93 Resp: 59833

Ion Ratio Lower Upper

93 100

95 82.5 70.2 105.2

174 96.4 79.0 118.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.27

30000

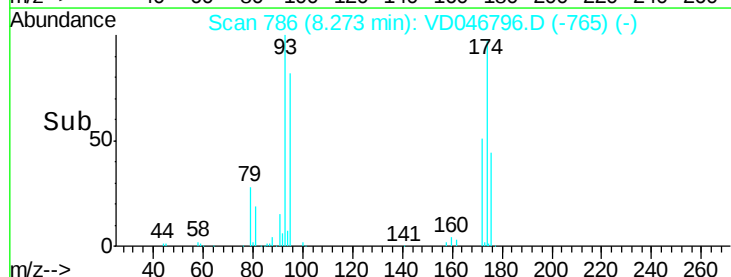
20000

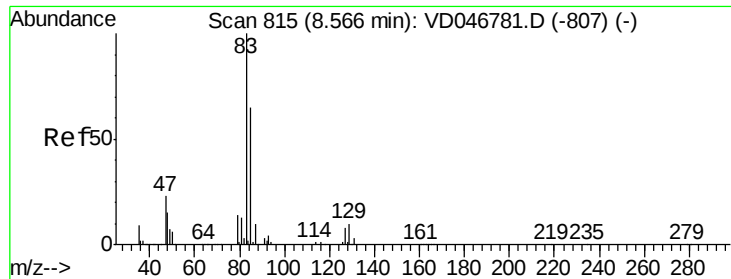
10000

0

8.10 8.20 8.30 8.40

Time-->





#47

Bromodichloromethane

Concen: 61.88 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

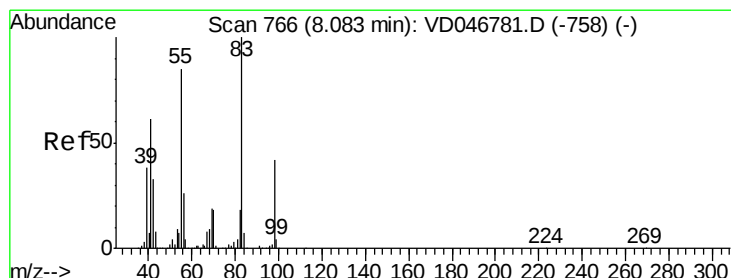
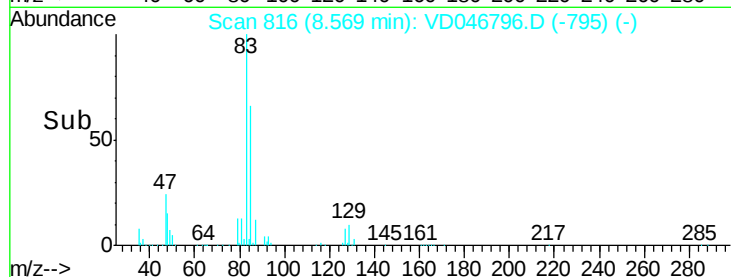
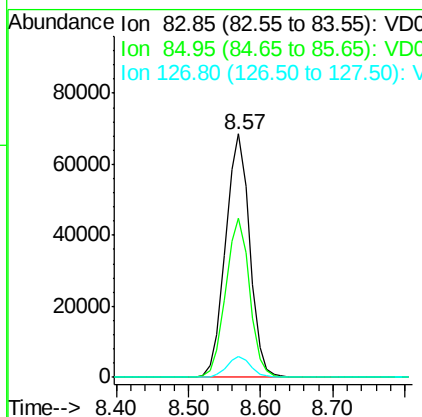
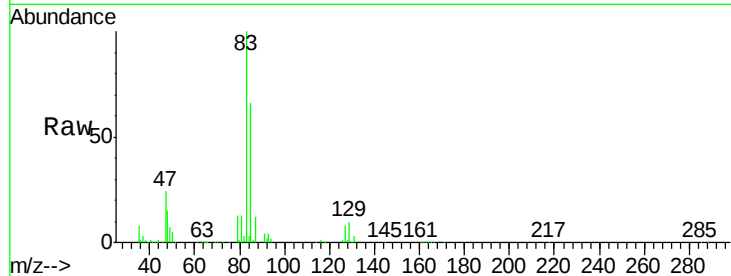
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	160064
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8
127	8.4	5.7	8.5

Manual Integrations
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9/21/2015 11:39:35 AM



#48

Methyl methacrylate

Concen: 65.35 ug/l

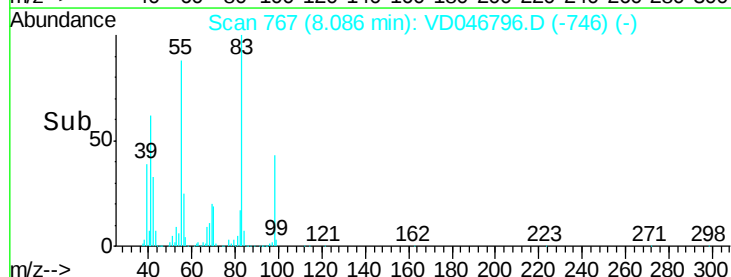
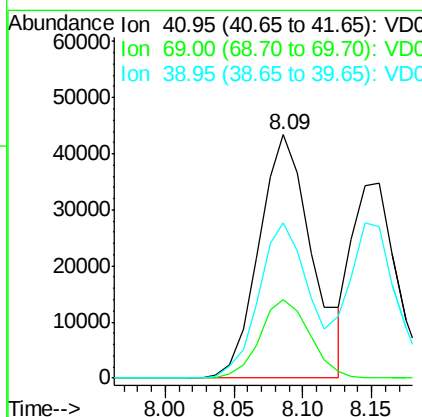
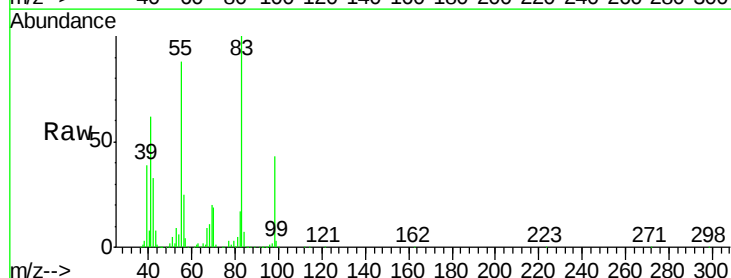
RT: 8.09 min Scan# 767

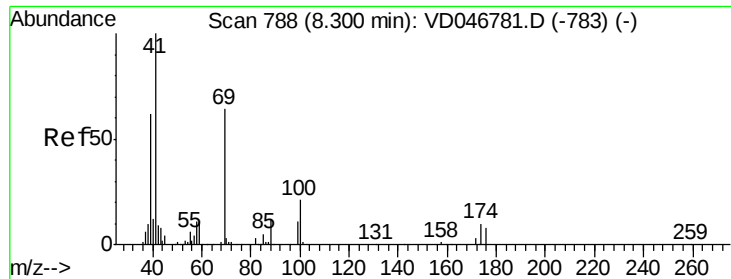
Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Tgt Ion:	41	Resp:	116111
Ion	Ratio	Lower	Upper
41	100		
69	32.3	25.3	37.9
39	63.6	47.4	71.0





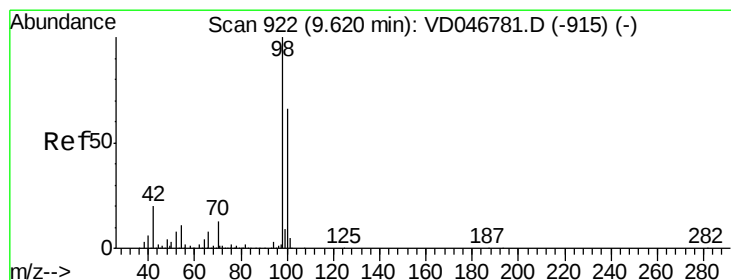
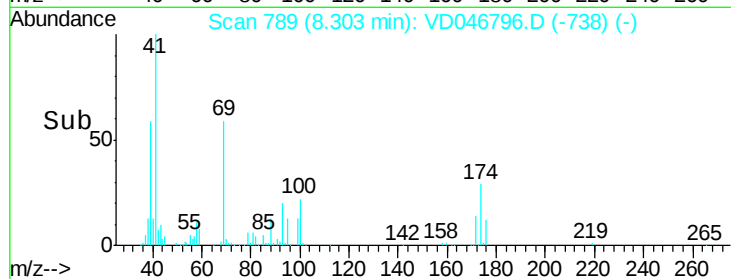
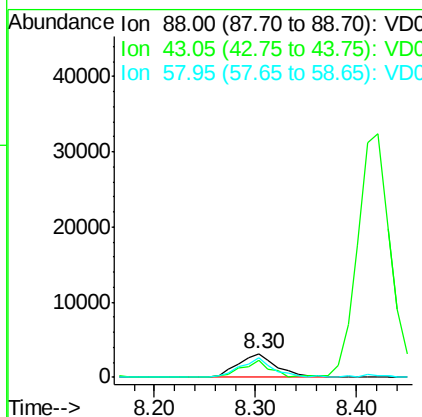
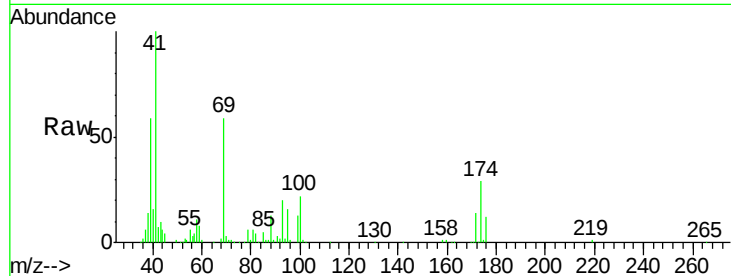
#49
1,4-Dioxane
Concen: 1299.88 ug/l
RT: 8.30 min Scan# 789
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	71.1	50.0	75.0
58	81.8	48.3	72.5

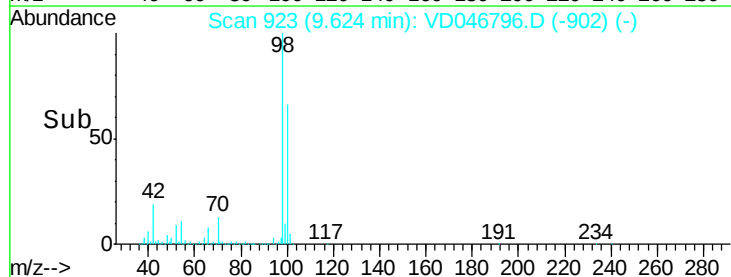
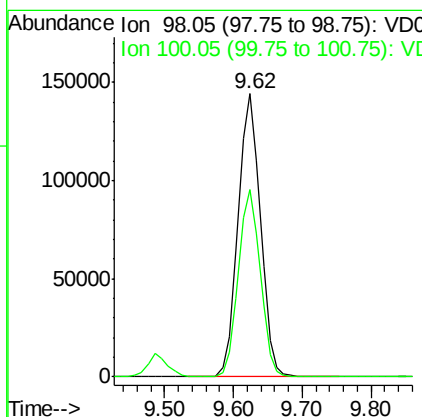
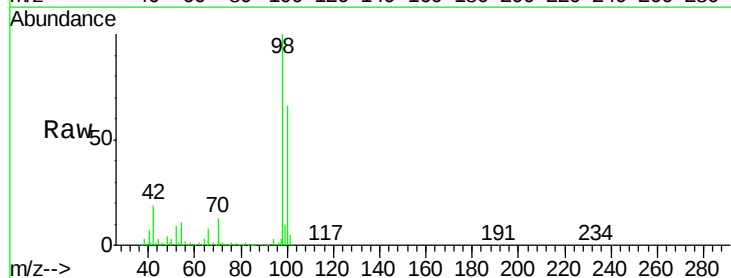
Manual Integrations
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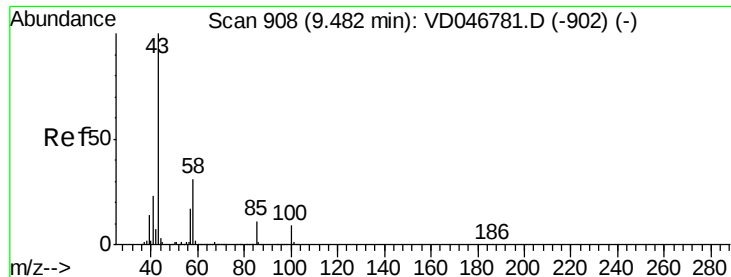
MMDadoda
9/21/2015 11:39:35 AM



#50
Toluene-d8
Concen: 1299.88 ug/l
RT: 9.62 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	49.9	74.9





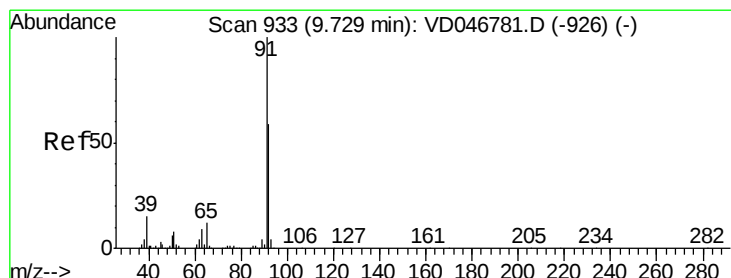
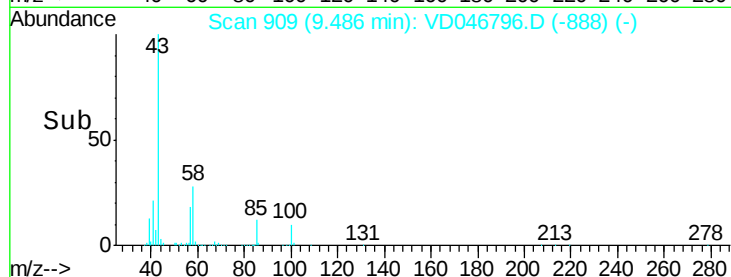
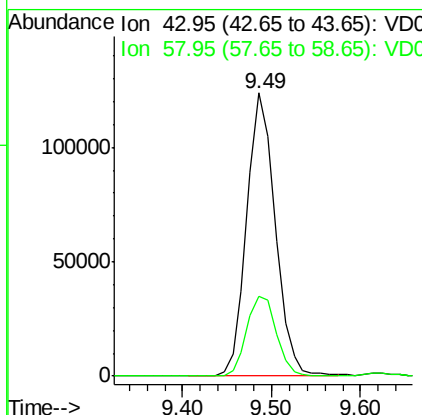
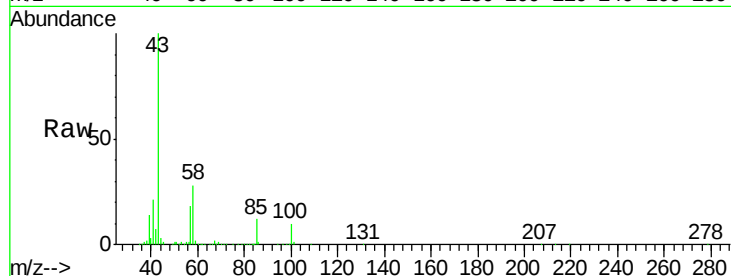
#51
4-Methyl-2-Pentanone
Concen: 327.37 ug/l
RT: 9.49 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 274878
Ion Ratio Lower Upper
43 100
58 28.3 22.2 33.2

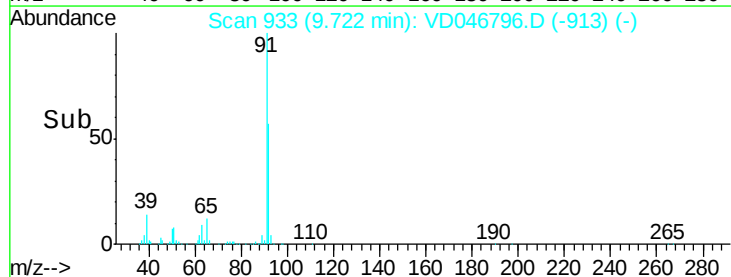
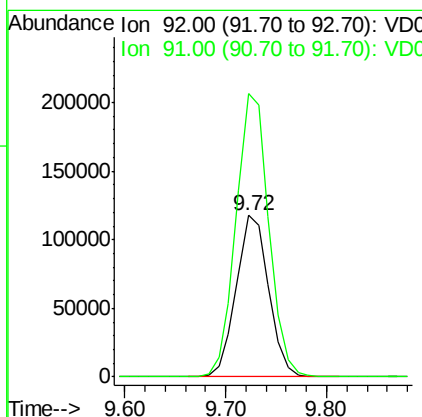
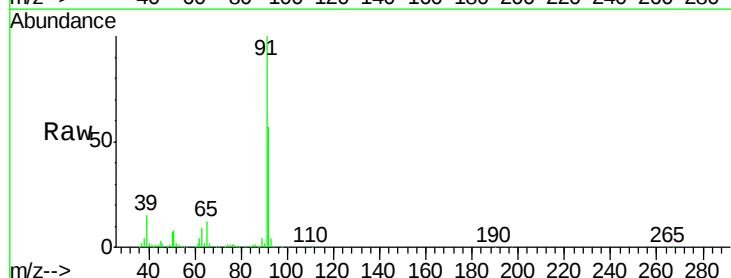
Manual Integrations
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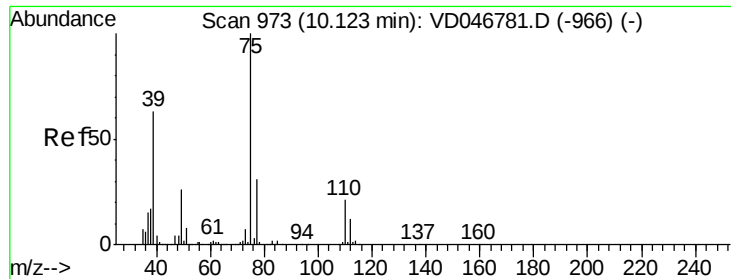
MMDadoda
9/21/2015 11:39:35 AM



#52
Toluene
Concen: 61.22 ug/l
RT: 9.72 min Scan# 933
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion: 92 Resp: 264573
Ion Ratio Lower Upper
92 100
91 175.3 139.4 209.0





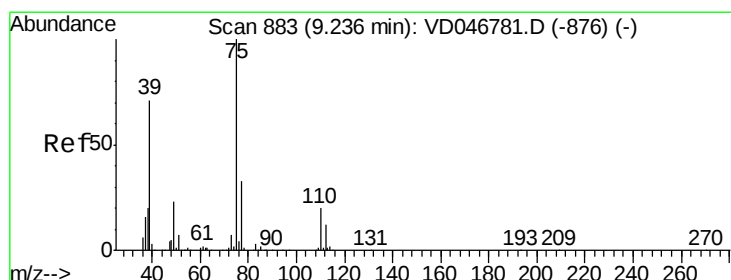
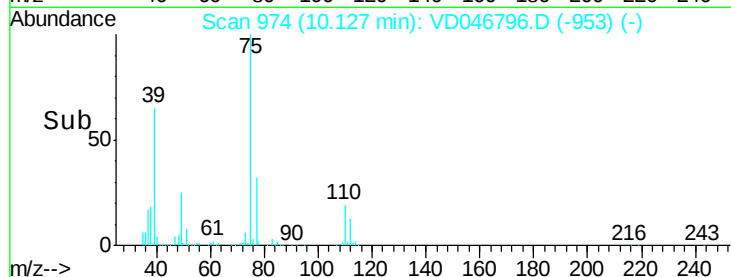
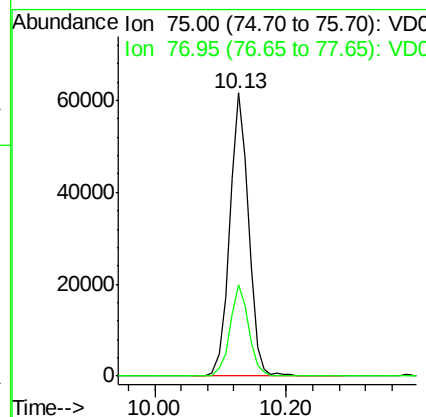
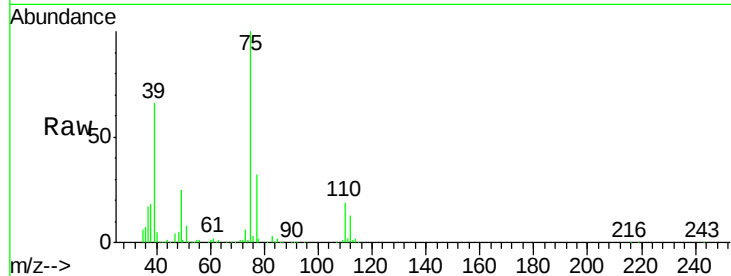
#53
t-1,3-Dichloropropene
Concen: 64.90 ug/l
RT: 10.13 min Scan# 974
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 123946
Ion Ratio Lower Upper
75 100
77 32.3 27.6 41.4

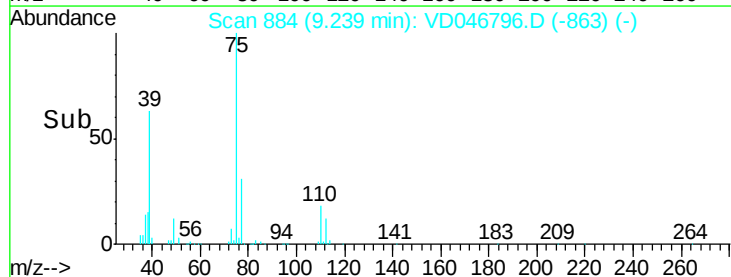
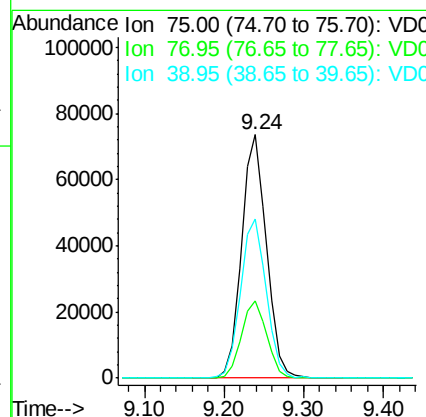
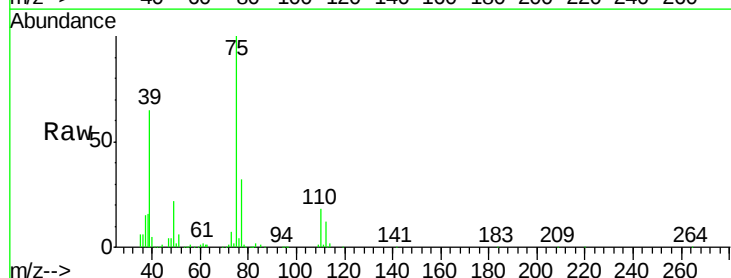
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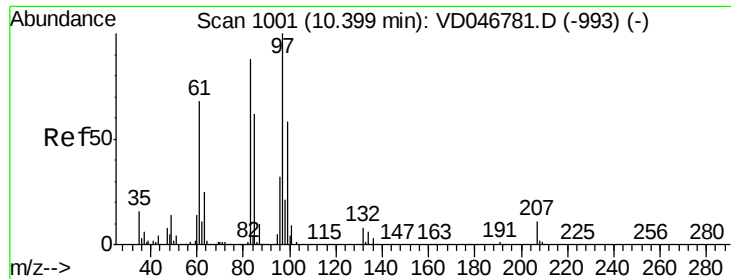
MMDadoda
9/21/2015 11:39:35 AM



#54
cis-1,3-Dichloropropene
Concen: 64.68 ug/l
RT: 9.24 min Scan# 884
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion: 75 Resp: 159065
Ion Ratio Lower Upper
75 100
77 31.5 23.8 35.6
39 65.3 53.0 79.6





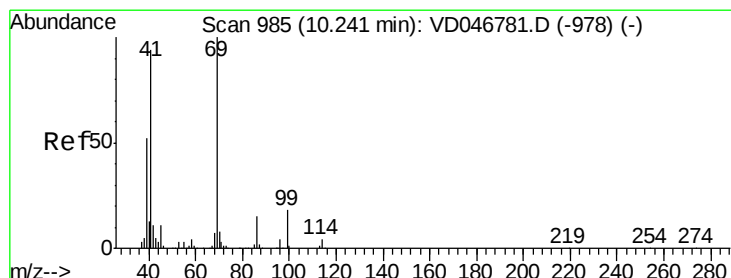
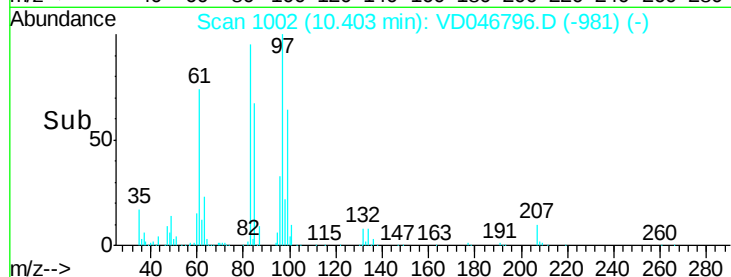
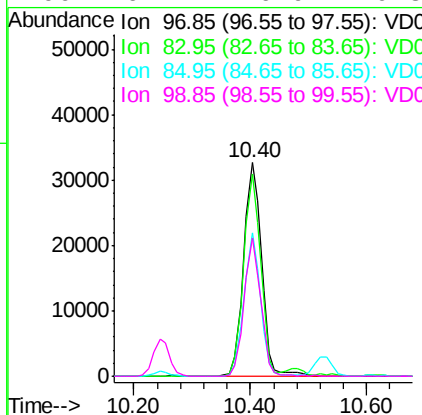
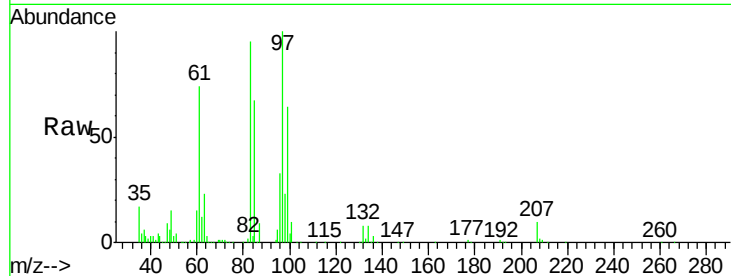
#55
 1,1,2-Trichloroethane
 Concen: 62.96 ug/l
 RT: 10.40 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.9	75.3	112.9
85	66.9	50.9	76.3
99	64.4	46.9	70.3

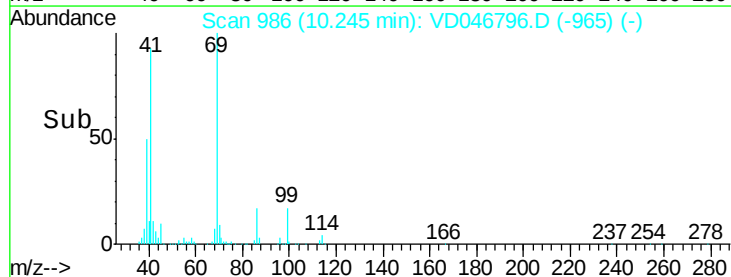
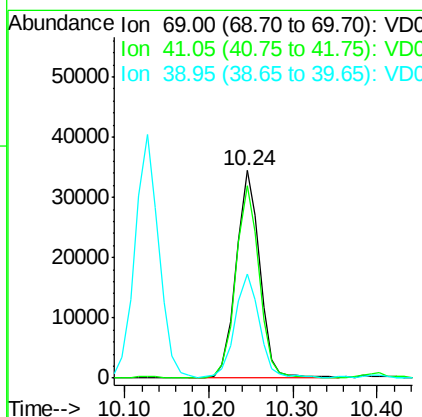
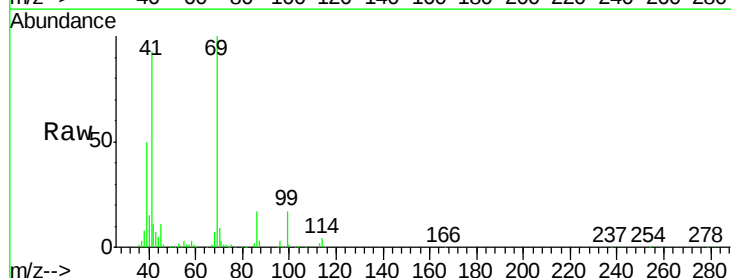
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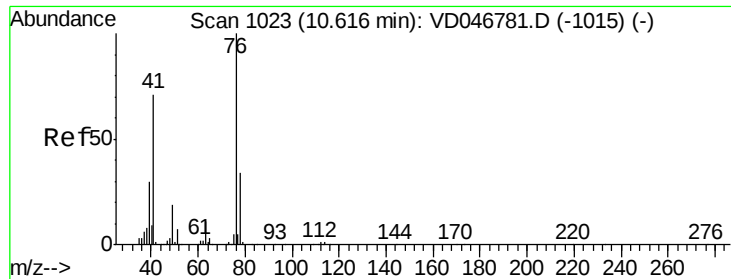
MMDadoda
 9/21/2015 11:39:35 AM



#56
 Ethyl methacrylate
 Concen: 57.46 ug/l
 RT: 10.24 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	93.0	75.4	113.0
39	50.3	41.0	61.4





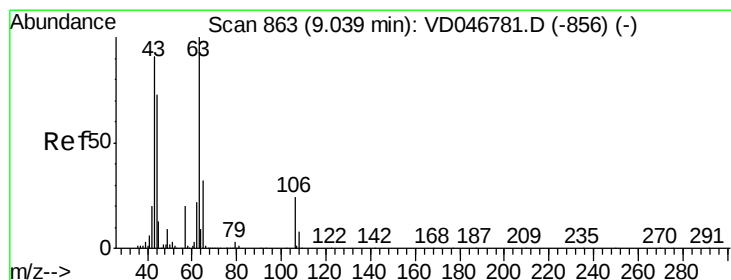
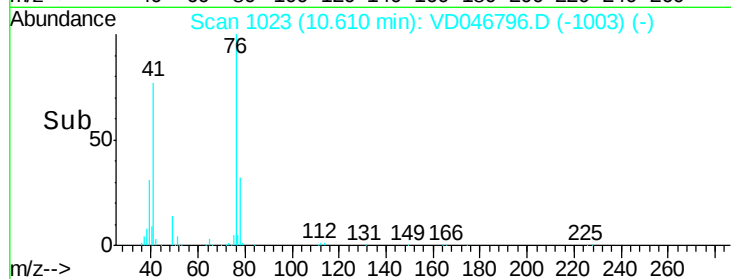
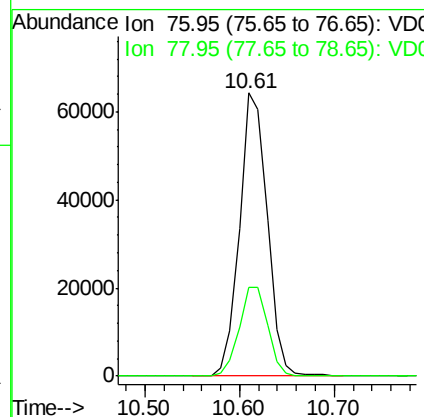
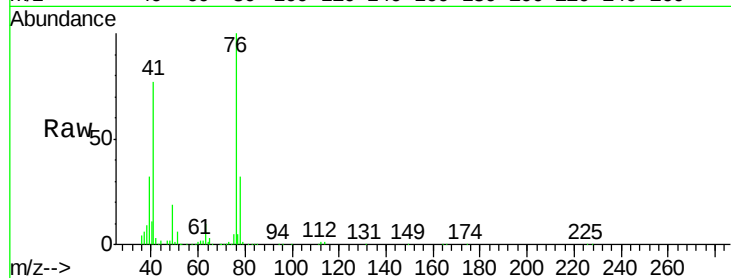
#57
 1,3-Dichloropropane
 Concen: 62.67 ug/l
 RT: 10.61 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 130403
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.6 39.8

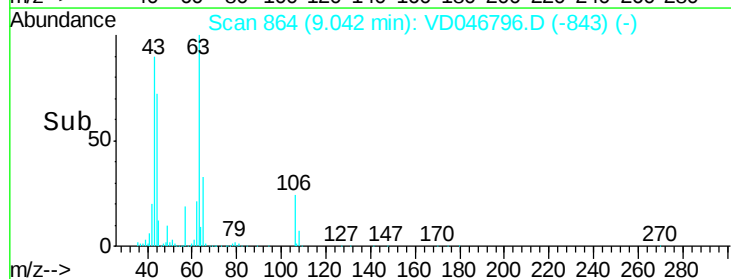
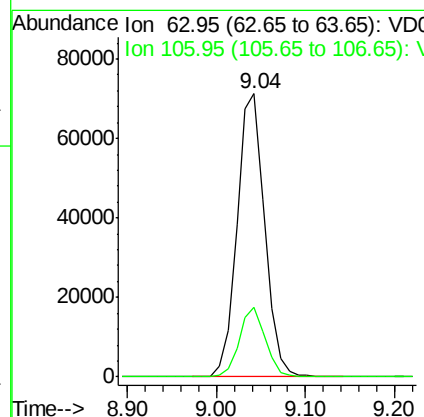
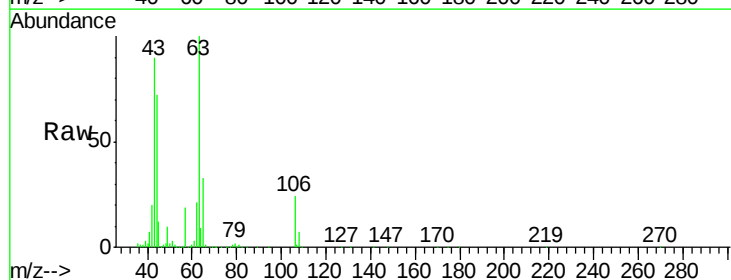
Manual Integrations
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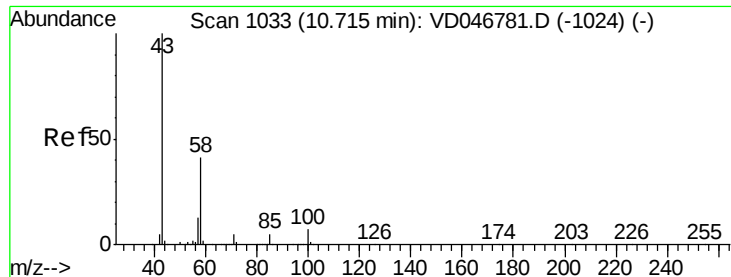
MMDadoda
 9/21/2015 11:39:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.05 ug/l
 RT: 9.04 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion: 63 Resp: 154372
 Ion Ratio Lower Upper
 63 100
 106 24.4 17.8 26.8





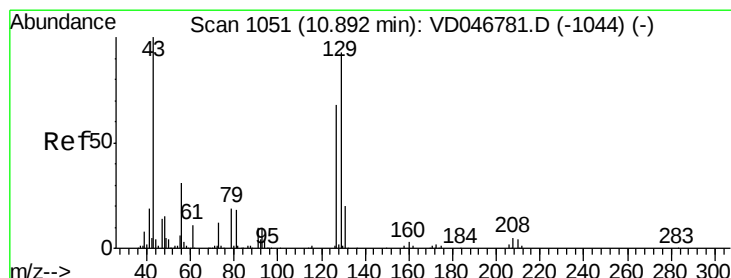
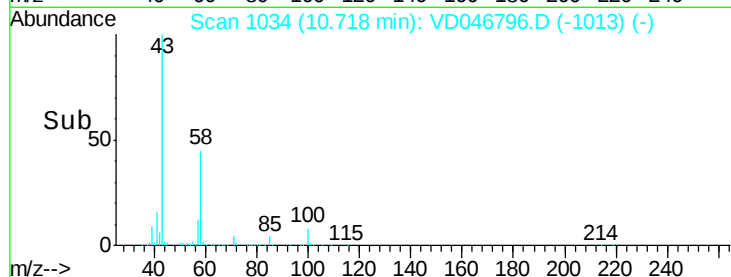
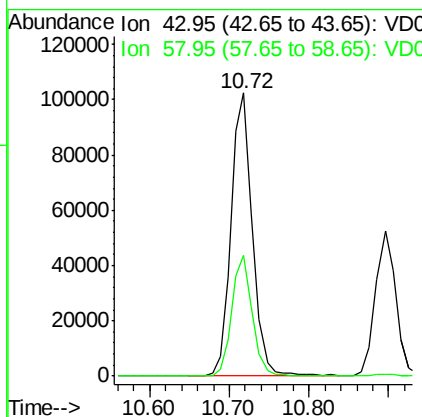
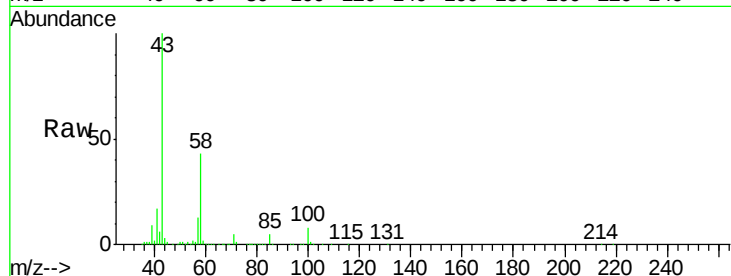
#59
2-Hexanone
Concen: 319.06 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 193551
Ion Ratio Lower Upper
43 100
58 42.6 18.6 55.8

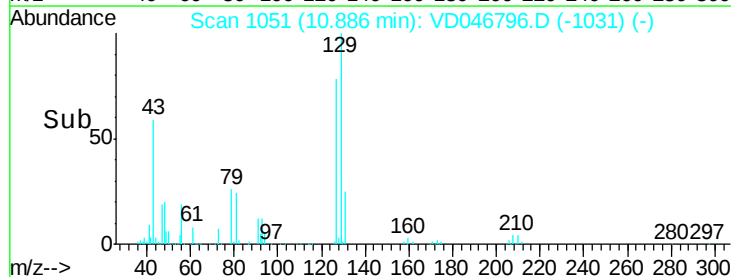
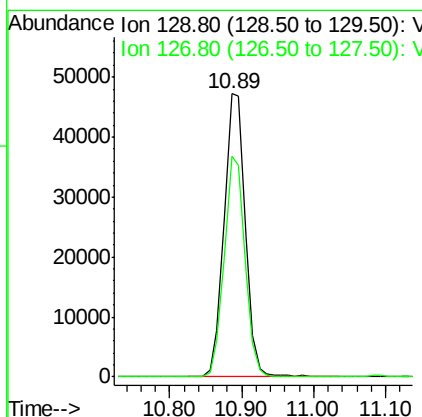
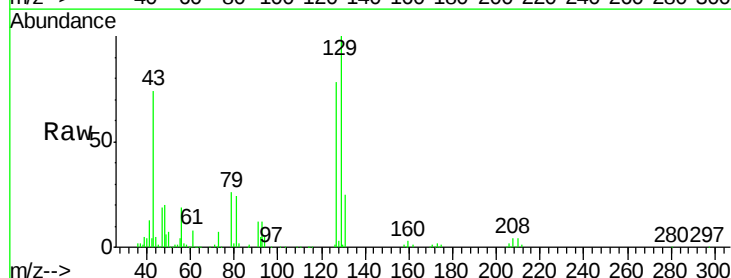
Manual Integrations
APPROVED

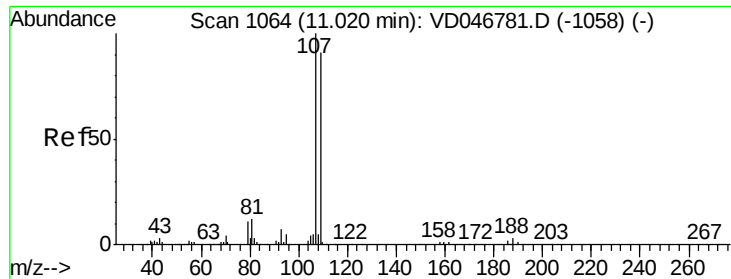
MMDadoda
9/21/2015 11:39:35 AM



#60
Dibromochloromethane
Concen: 62.63 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion: 129 Resp: 96176
Ion Ratio Lower Upper
129 100
127 78.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 61.04 ug/l

RT: 11.02 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 67431

Ion Ratio Lower Upper

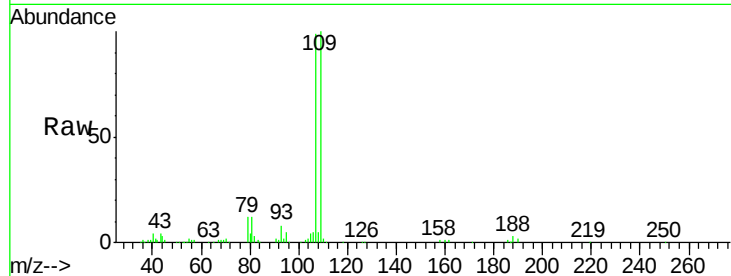
107 100

109 101.4 71.4 107.0

Manual Integrations
APPROVED

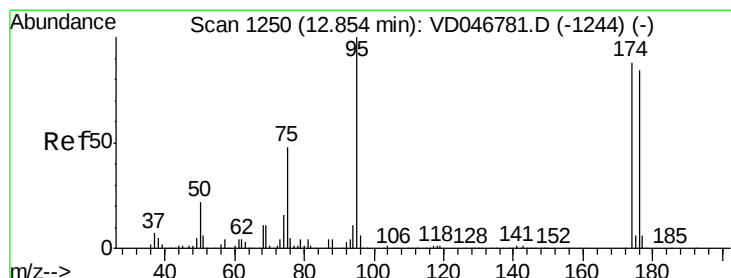
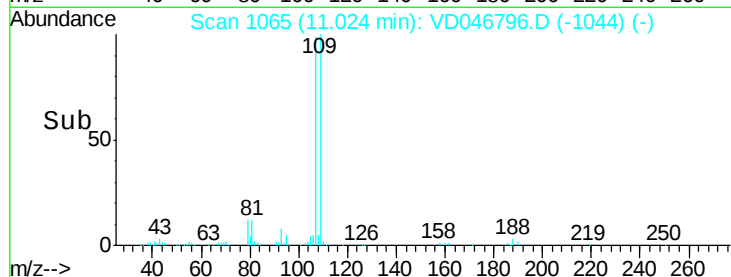
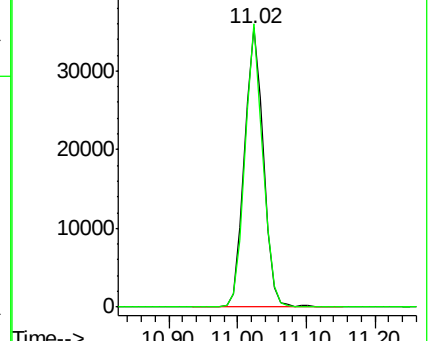
MMDadoda

9/21/2015 11:39:35 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 61.04 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

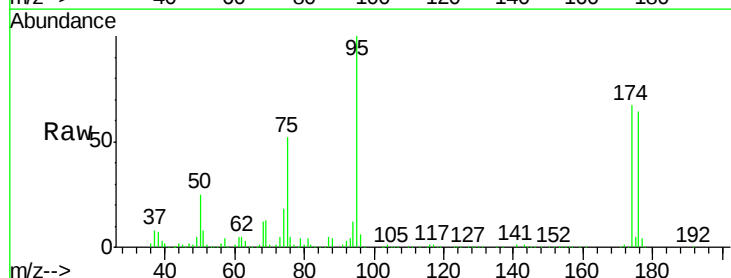
Tgt Ion: 95 Resp: 131041

Ion Ratio Lower Upper

95 100

174 66.8 0.0 149.8

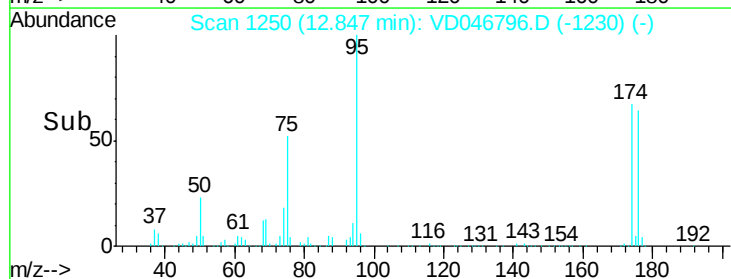
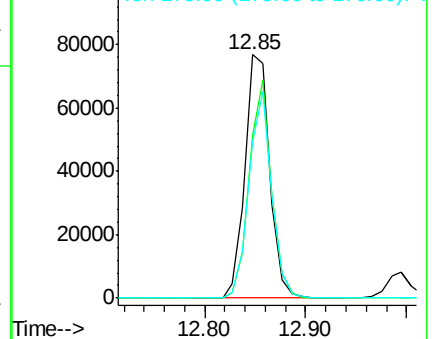
176 64.4 0.0 143.4

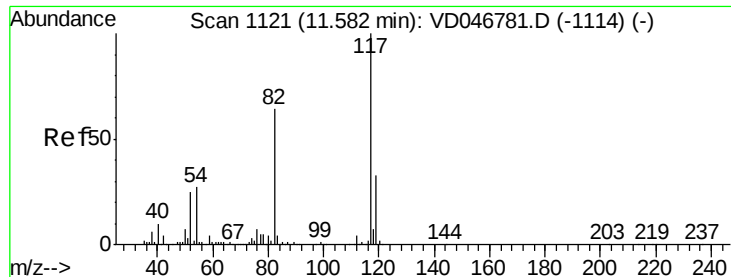


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





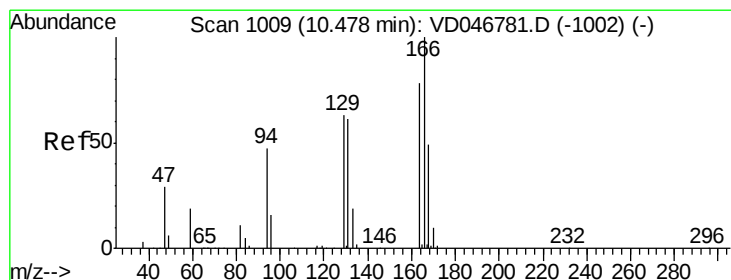
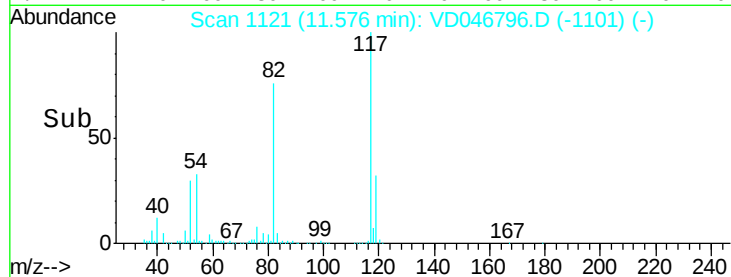
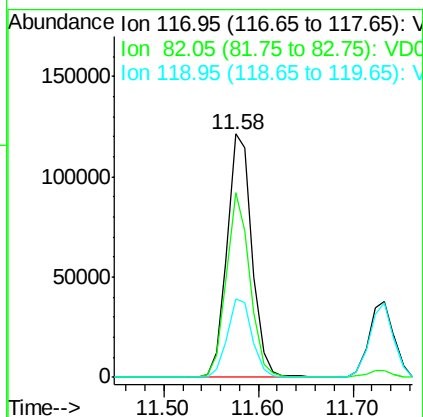
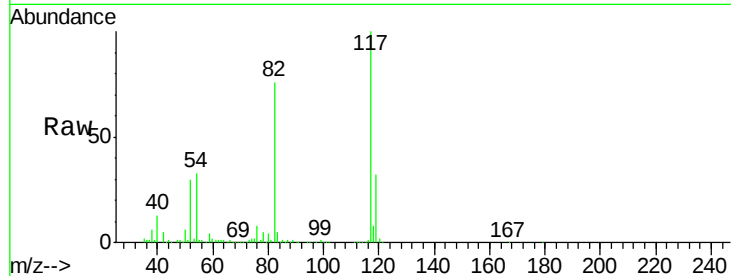
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	221366		
82	75.8	50.6	75.8	
119	32.0	25.8	38.8	

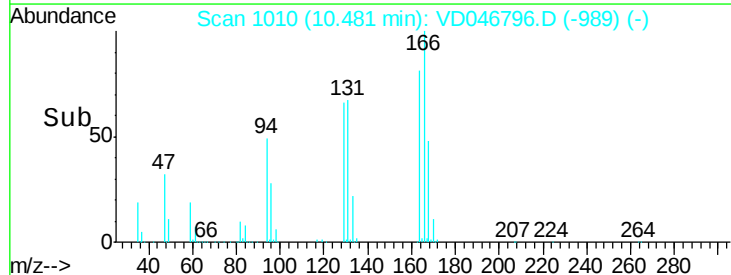
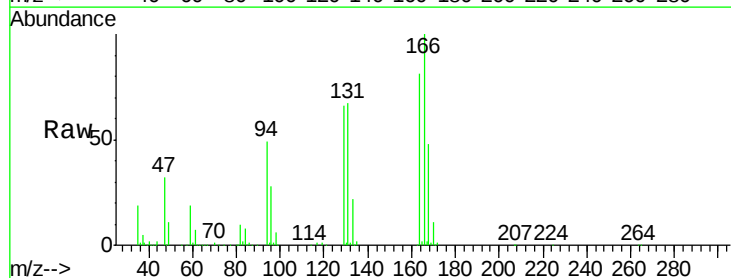
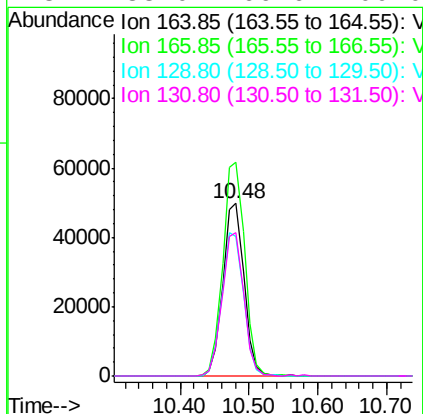
Manual Integrations
APPROVED

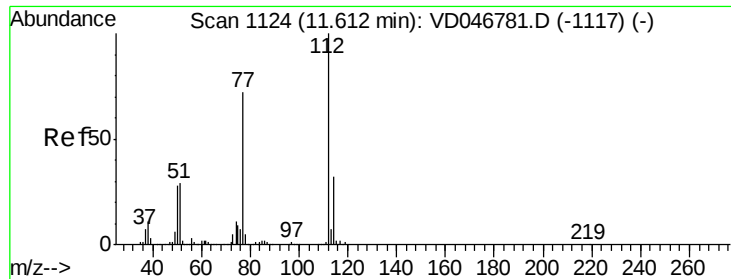
MMDadoda
9/21/2015 11:39:35 AM



#64
Tetrachloroethene
Concen: 59.51 ug/l
RT: 10.48 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106385		
166	123.8	106.8	160.2	
129	81.2	70.6	106.0	
131	83.0	66.6	100.0	





#65

Chlorobenzene

Concen: 59.77 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 278462

Ion Ratio Lower Upper

112 100

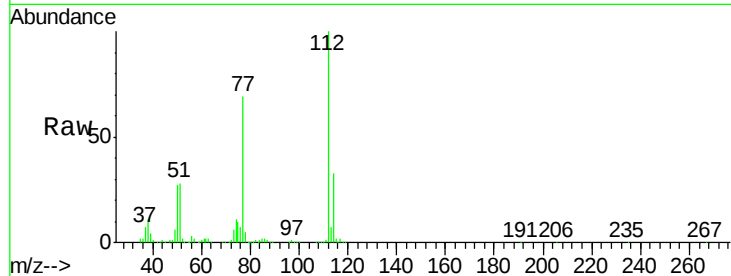
114 32.6 25.3 37.9

Manual Integrations

APPROVED

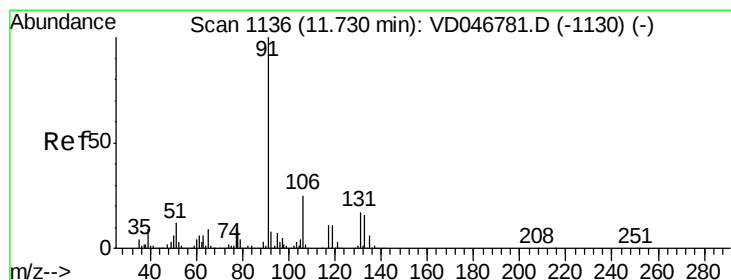
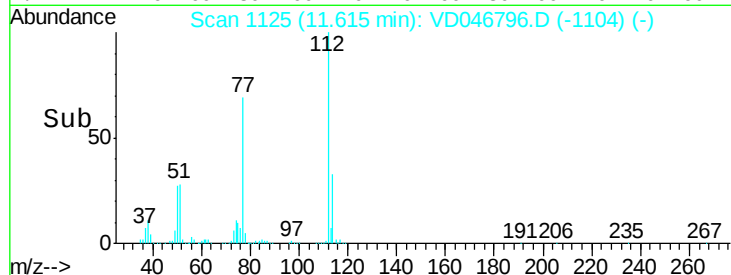
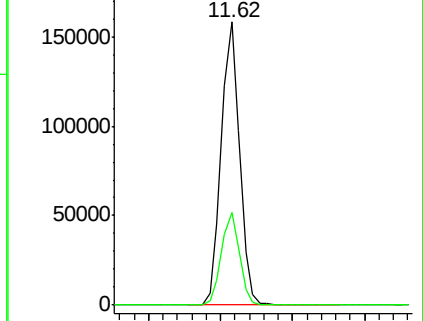
MMDadoda

9/21/2015 11:39:35 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 60.04 ug/l

RT: 11.73 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

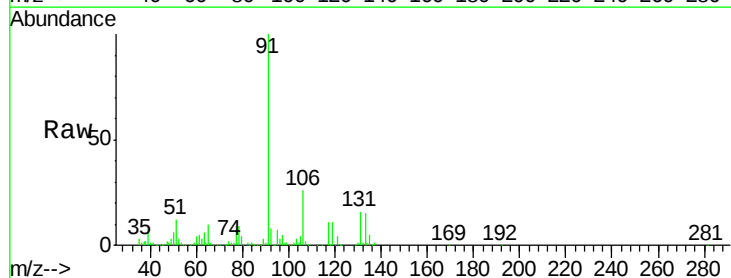
Tgt Ion:131 Resp: 102732

Ion Ratio Lower Upper

131 100

133 92.9 48.4 145.0

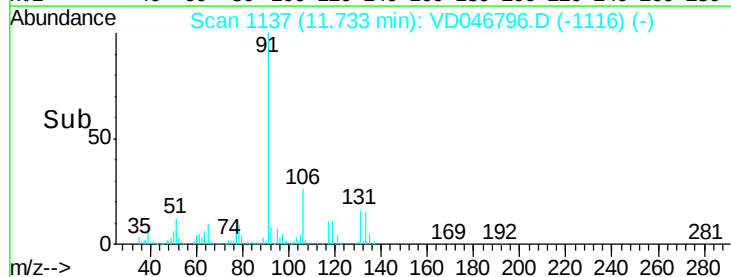
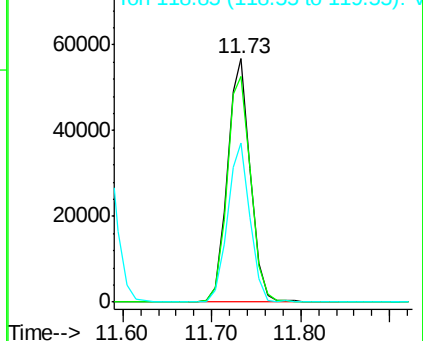
119 65.5 31.5 94.5

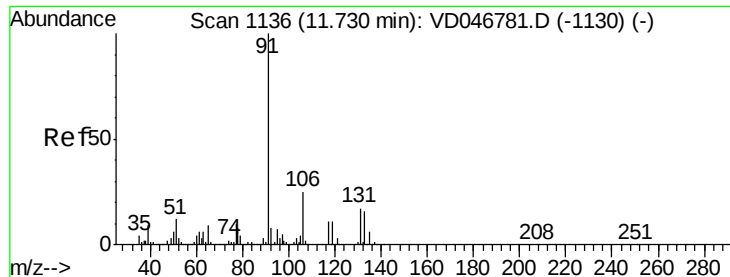


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





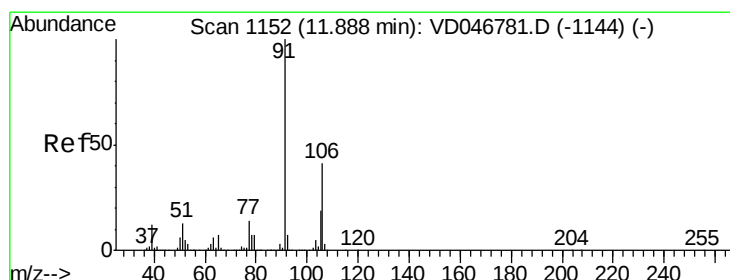
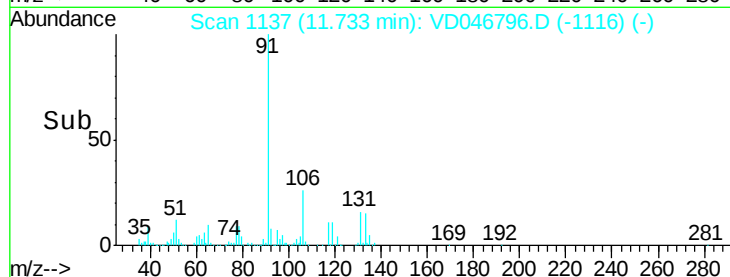
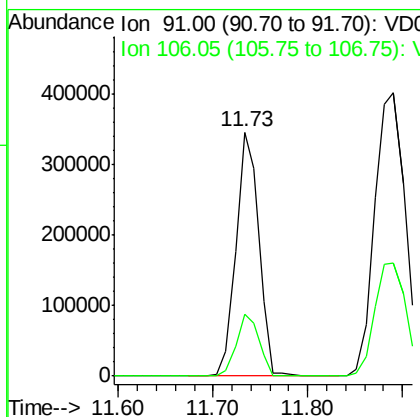
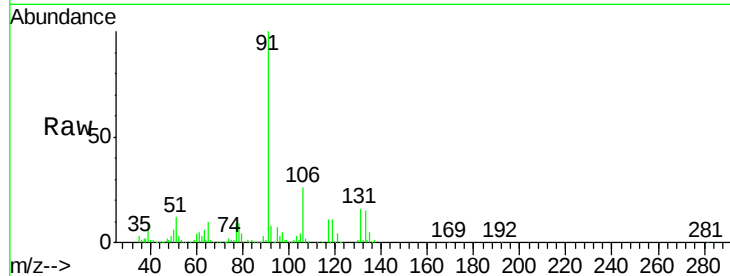
#67
Ethyl Benzene
Concen: 61.57 ug/l
RT: 11.73 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 576413
Ion Ratio Lower Upper
91 100
106 25.6 20.2 30.2

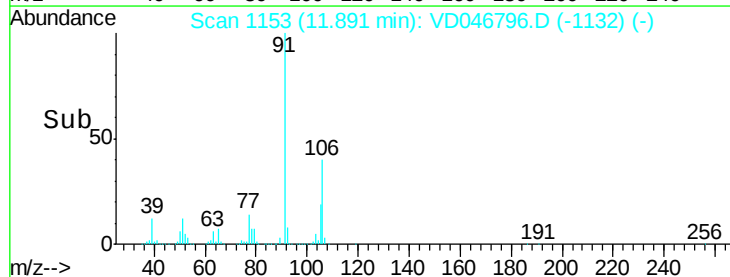
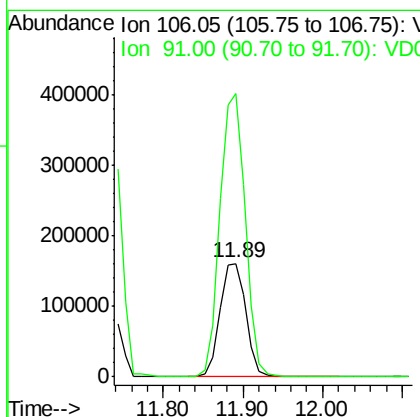
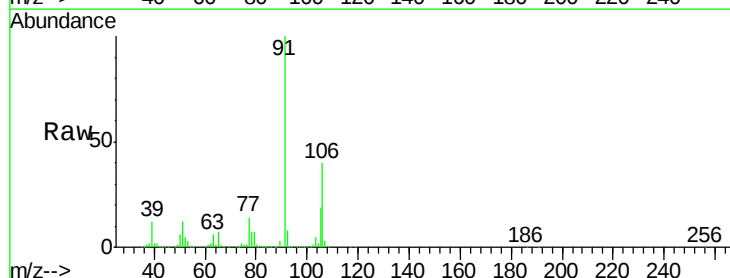
Manual Integrations
APPROVED

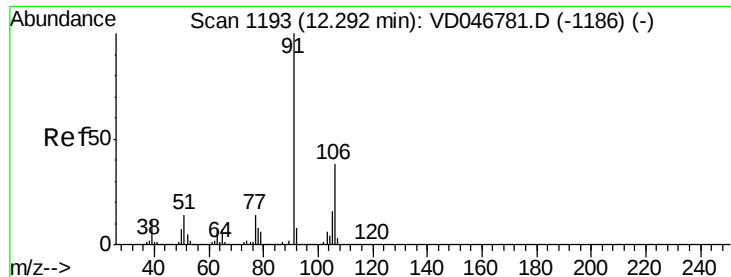
MMDadoda
9/21/2015 11:39:35 AM



#68
m/p-Xylenes
Concen: 124.12 ug/l
RT: 11.89 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion: 106 Resp: 366475
Ion Ratio Lower Upper
106 100
91 249.2 187.9 281.9





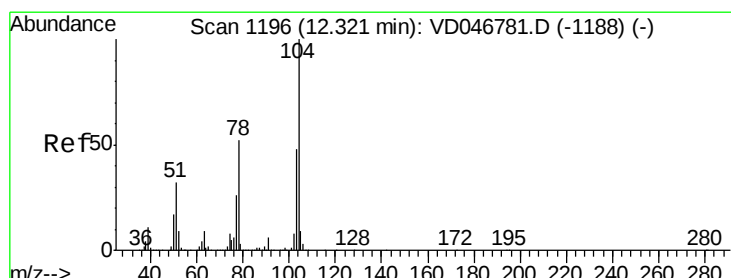
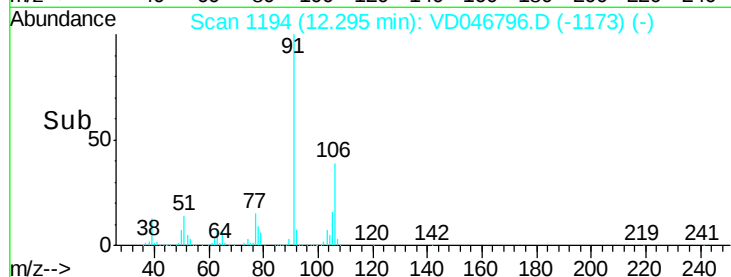
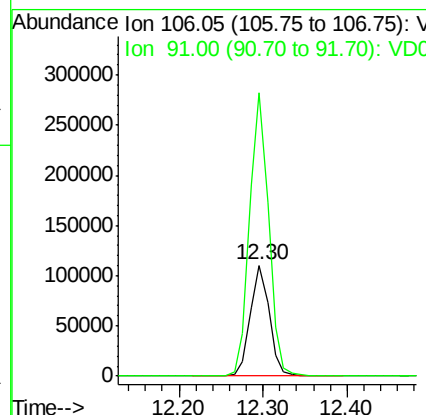
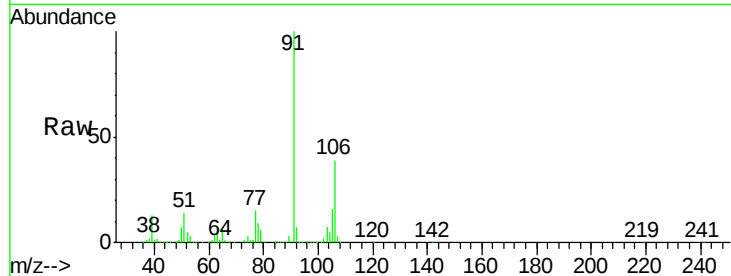
#69
o-Xylene
Concen: 66.09 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 175662
Ion Ratio Lower Upper
106 100
91 255.7 124.8 374.5

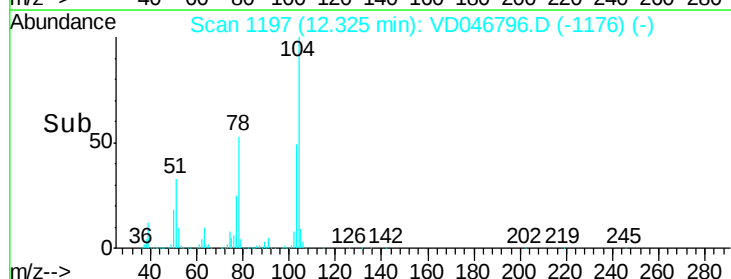
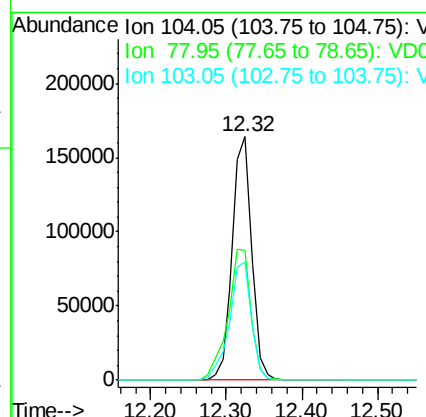
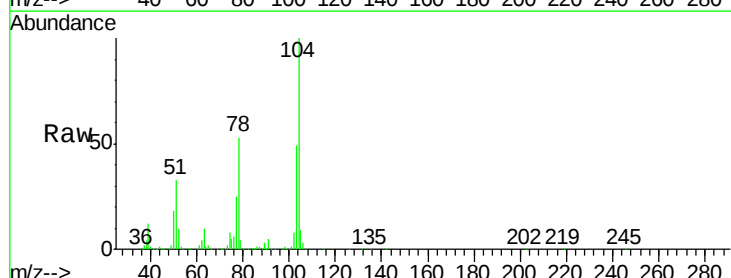
Manual Integrations
APPROVED

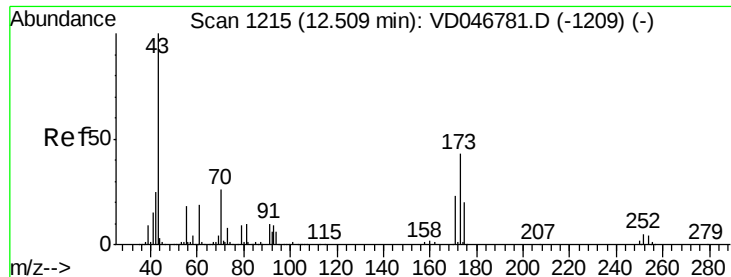
MMDadoda
9/21/2015 11:39:35 AM



#70
Styrene
Concen: 63.27 ug/l
RT: 12.32 min Scan# 1197
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion:104 Resp: 291540
Ion Ratio Lower Upper
104 100
78 53.4 44.5 66.7
103 48.5 40.3 60.5





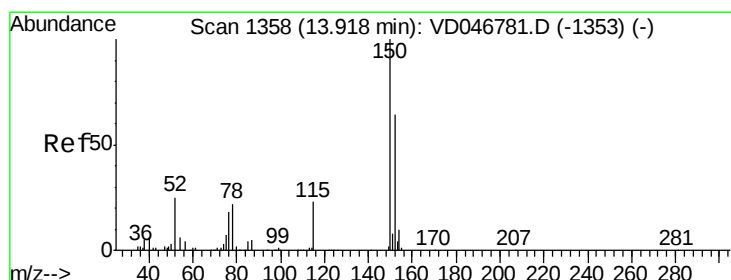
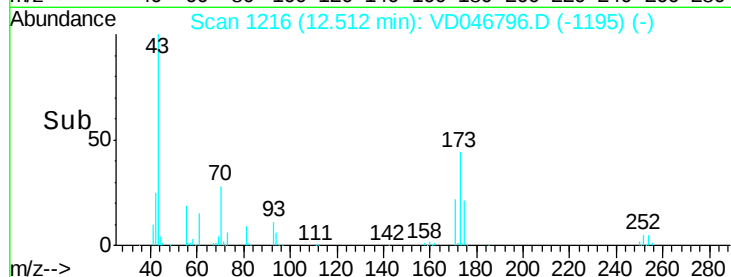
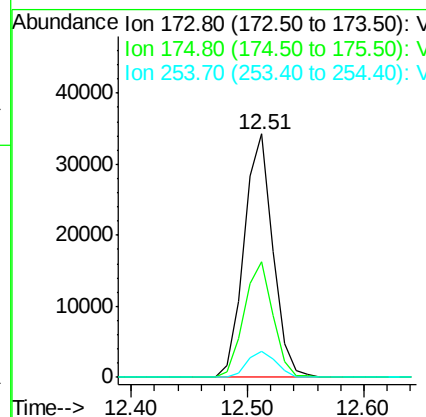
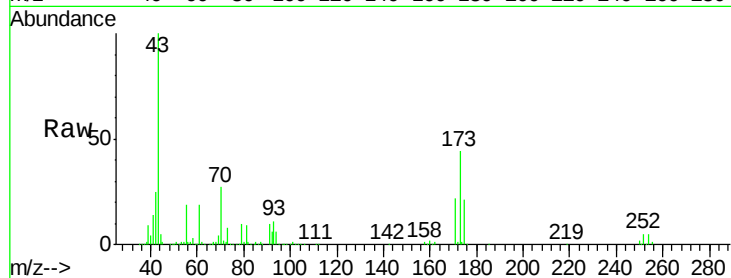
#71
Bromoform
Concen: 64.28 ug/l
RT: 12.51 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	58582		
175	47.6	23.1	69.3	
254	10.8	8.7	13.1	

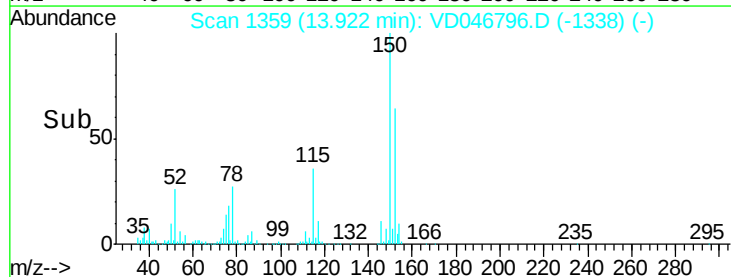
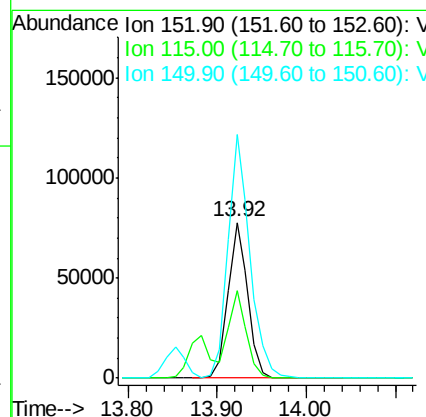
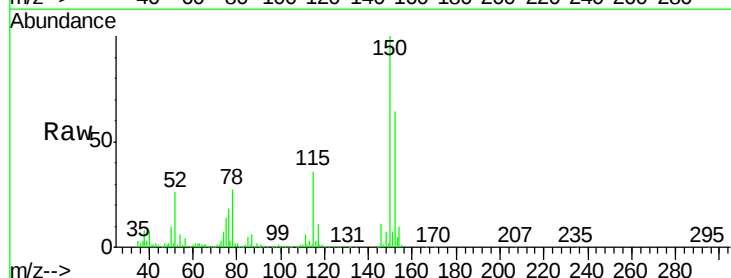
Manual Integrations
APPROVED

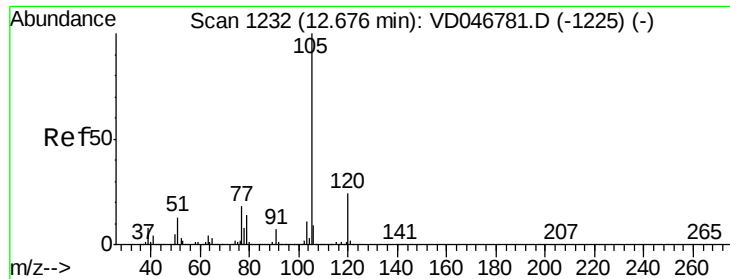
MMDadoda
9/21/2015 11:39:35 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	121378		
115	55.9	26.2	78.6	
150	156.5	0.0	311.8	





#73

Isopropylbenzene

Concen: 61.35 ug/l

RT: 12.68 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 524916

Ion Ratio Lower Upper

105 100

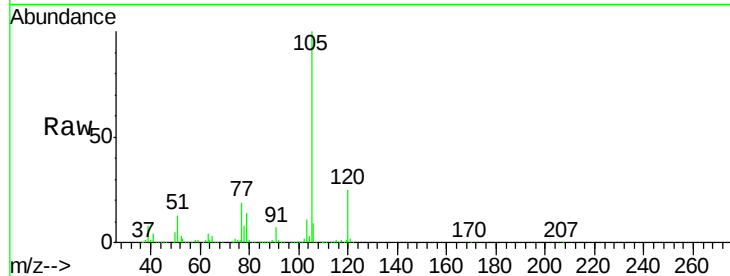
120 25.1 12.4 37.4

Manual Integrations

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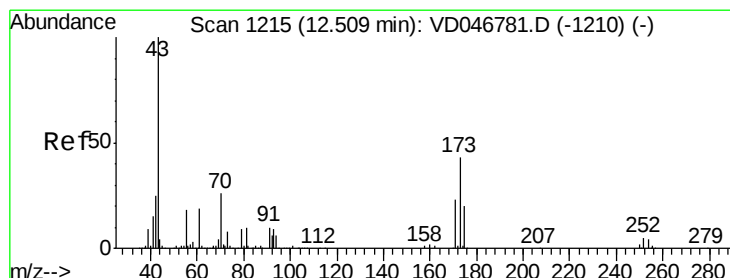
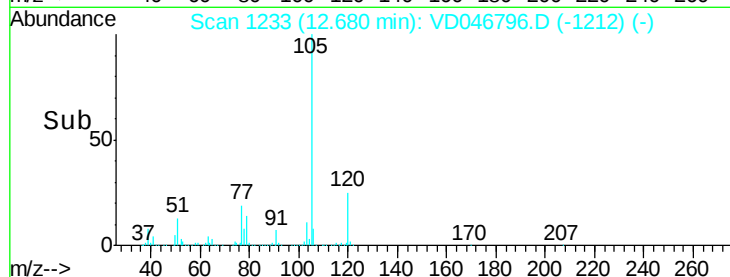
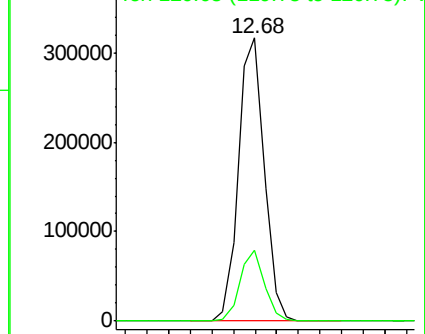
MMDadoda

9/21/2015 11:39:35 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.57 ug/l

RT: 12.51 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Tgt Ion: 43 Resp: 113690

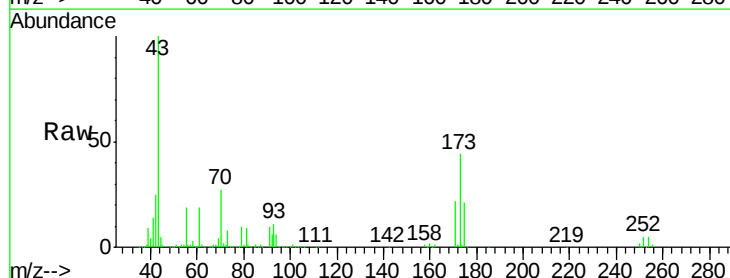
Ion Ratio Lower Upper

43 100

70 27.4 22.1 33.1

55 19.0 14.5 21.7

61 18.7 14.6 21.8

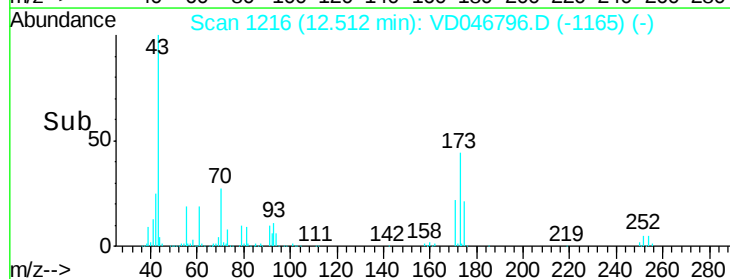
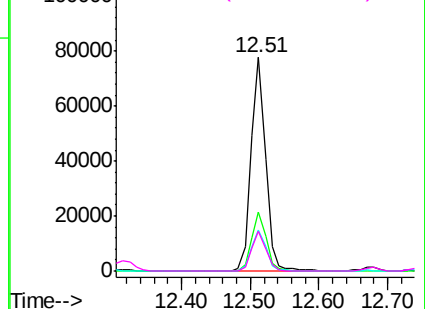


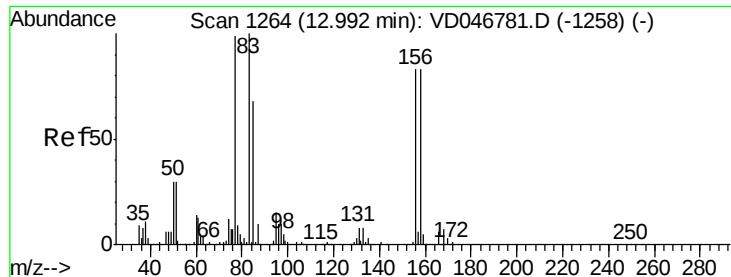
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 57.54 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 79449

Ion Ratio Lower Upper

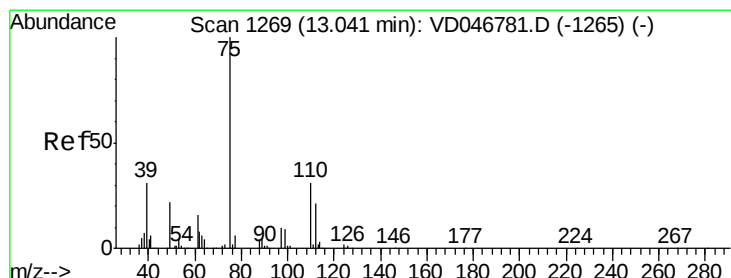
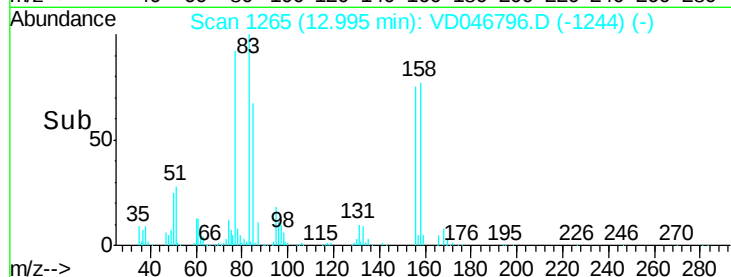
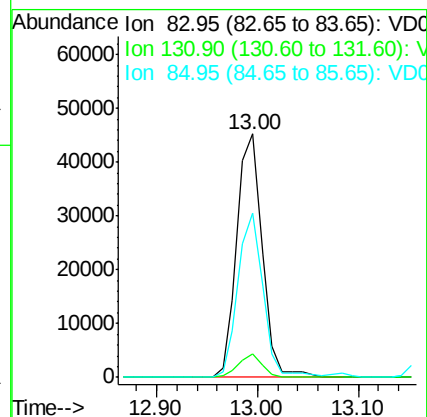
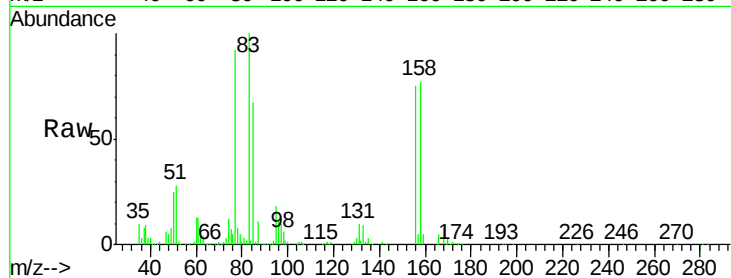
83 100

131 9.8 3.9 11.7

85 67.2 30.5 91.5

Manual Integrations
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MMDadoda
9/21/2015 11:39:35 AM



#76

1,2,3-Trichloropropane

Concen: 58.67 ug/l

RT: 13.03 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD046796.D

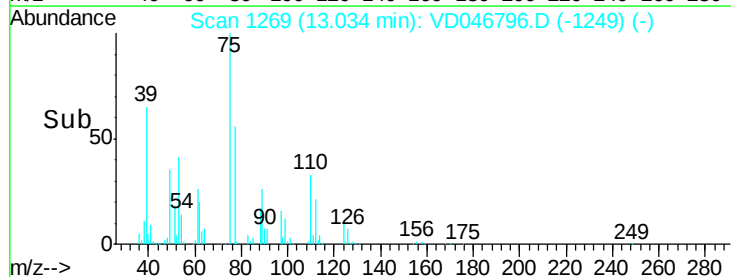
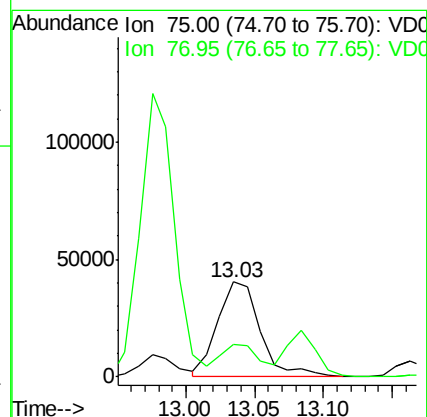
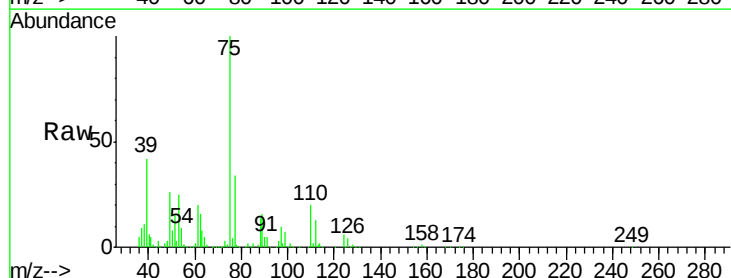
Acq: 18 Sep 2015 22:01

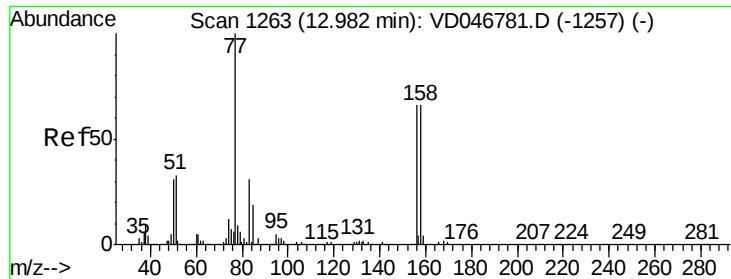
Tgt Ion: 75 Resp: 86665

Ion Ratio Lower Upper

75 100

77 33.9 16.0 48.0





#77

Bromobenzene

Concen: 58.48 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

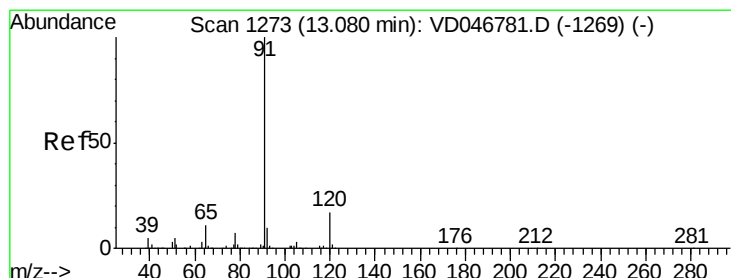
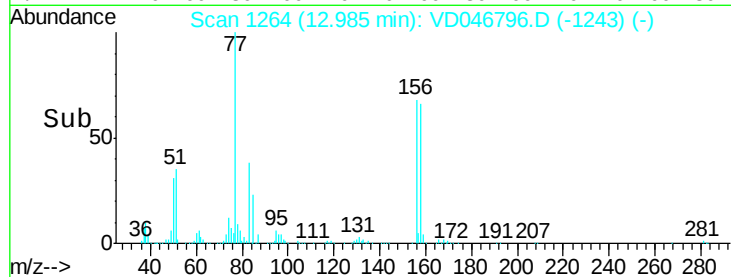
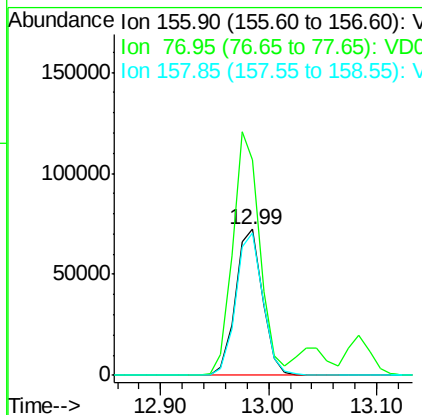
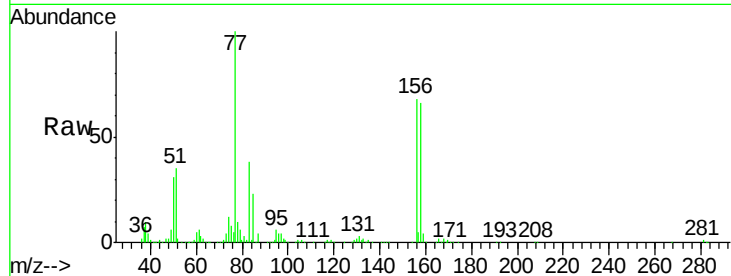
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	125843
Ion Ratio	Lower	Upper	
156	100		
77	147.2	70.3	210.8
158	97.2	49.0	147.0

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#78

n-propylbenzene

Concen: 60.05 ug/l

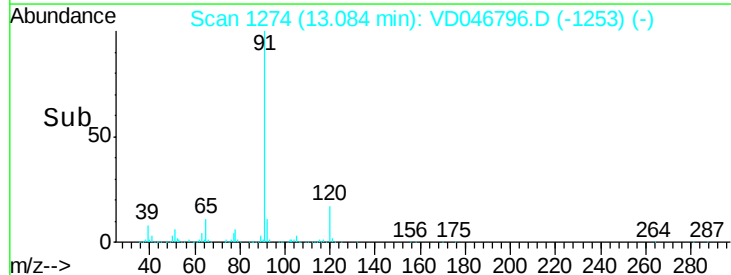
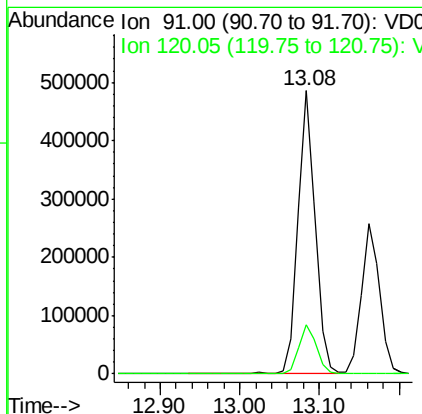
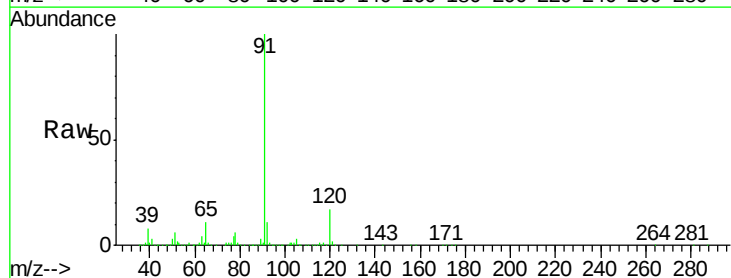
RT: 13.08 min Scan# 1274

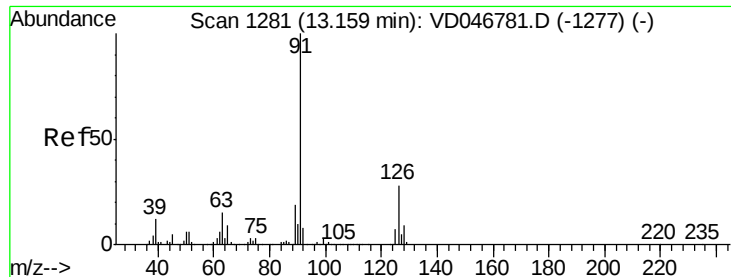
Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Tgt Ion:	91	Resp:	725551
Ion Ratio	Lower	Upper	
91	100		
120	17.2	9.3	27.7





#79

2-Chlorotoluene

Concen: 59.63 ug/l

RT: 13.16 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 400001

Ion Ratio Lower Upper

91 100

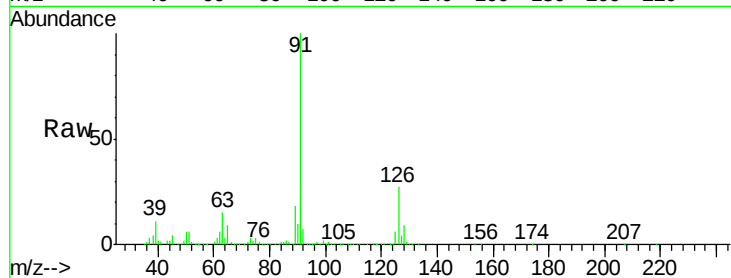
126 27.5 14.1 42.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD046781.D (-1277) (-)

Ion 125.95 (125.65 to 126.65): VD046781.D (-1277) (-)

500000

400000

300000

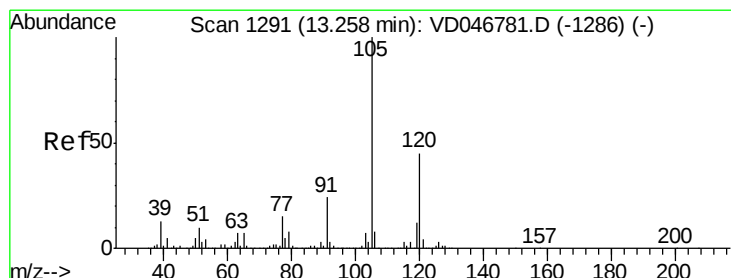
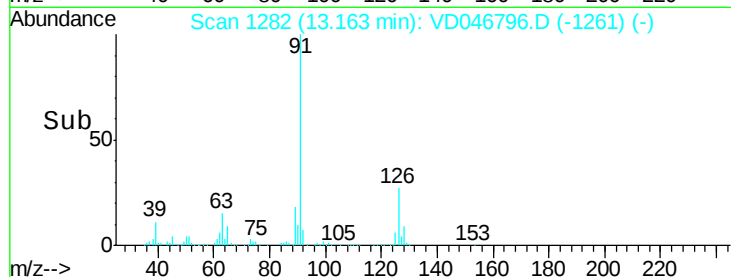
200000

100000

0

13.10 13.15 13.20

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 59.79 ug/l

RT: 13.26 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VD046796.D

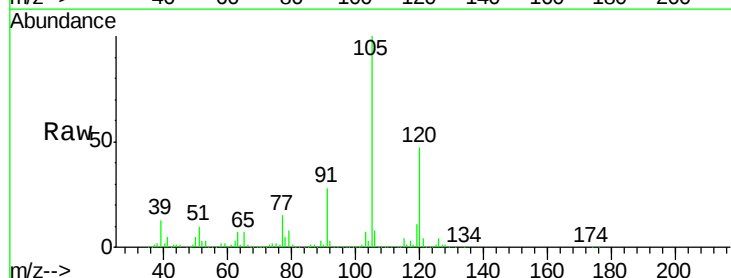
Acq: 18 Sep 2015 22:01

Tgt Ion: 105 Resp: 407675

Ion Ratio Lower Upper

105 100

120 46.9 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD046781.D (-1286) (-)

Ion 120.05 (119.75 to 120.75): VD046781.D (-1286) (-)

250000

200000

150000

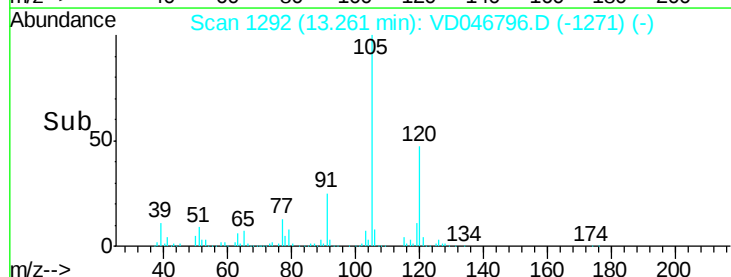
100000

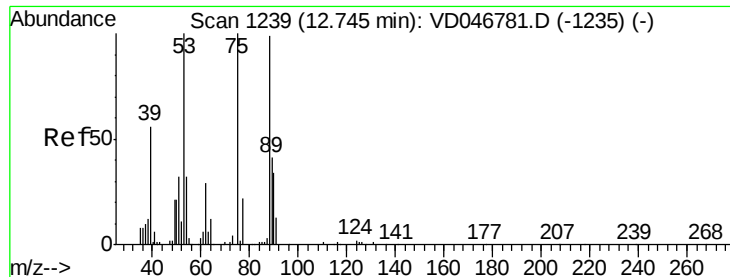
50000

0

13.20 13.30 13.40

Time-->





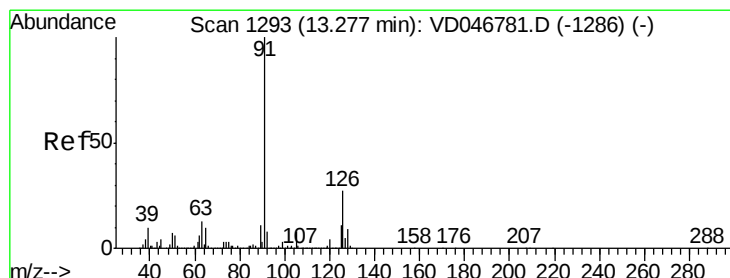
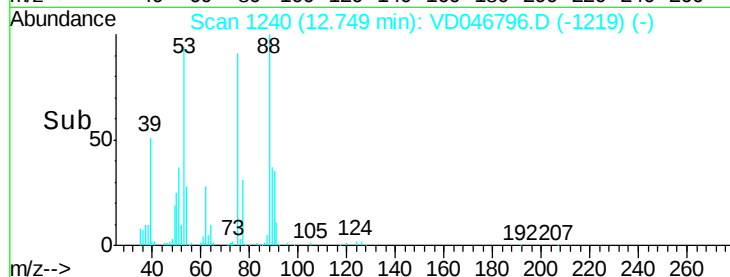
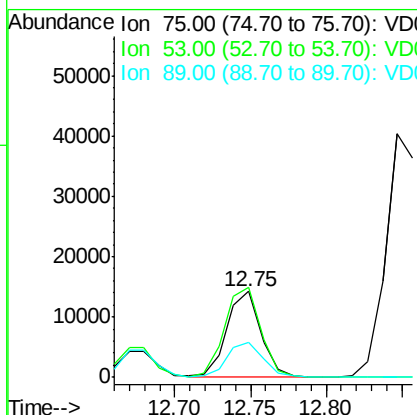
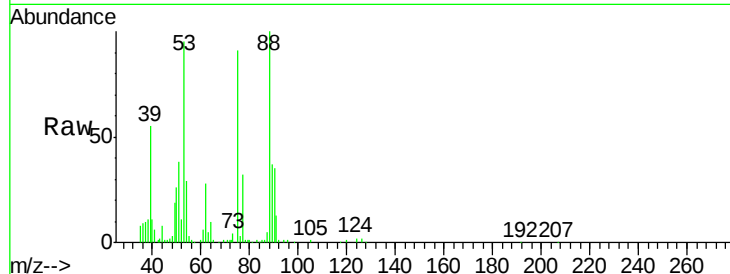
#81
trans-1,4-Dichloro-2-butene
Concen: 54.04 ug/l
RT: 12.75 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	104.6	82.3	123.5
89	41.4	36.6	54.8

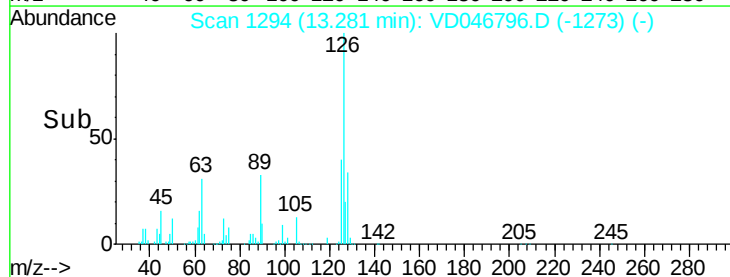
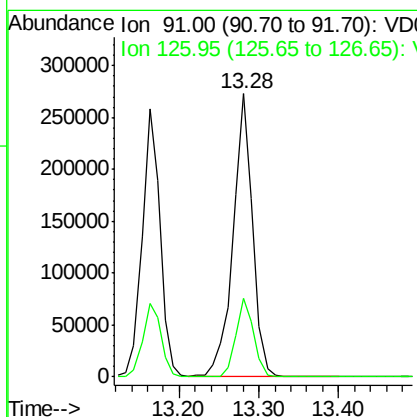
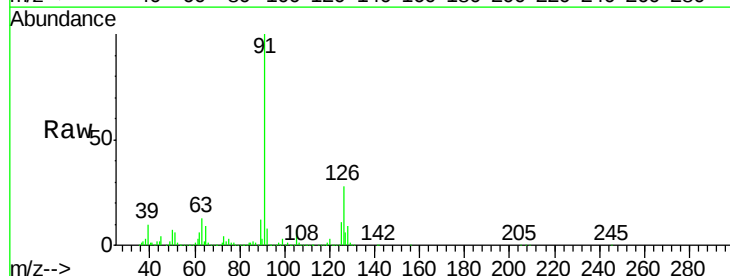
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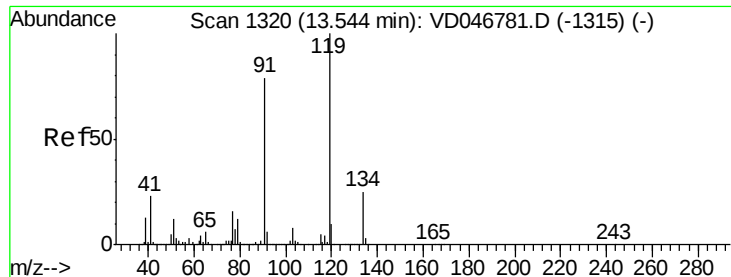
MMDadoda
9/21/2015 11:39:35 AM



#82
4-Chlorotoluene
Concen: 58.64 ug/l
RT: 13.28 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.4





#83

tert-Butylbenzene

Concen: 63.28 ug/l m

RT: 13.55 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

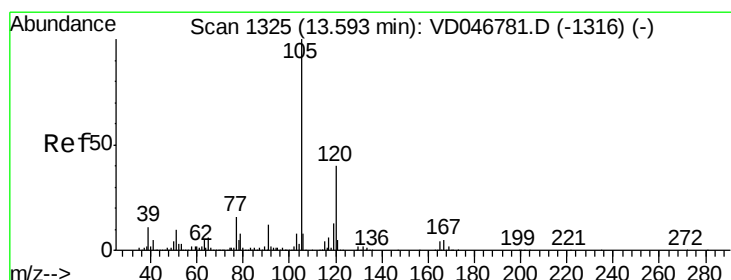
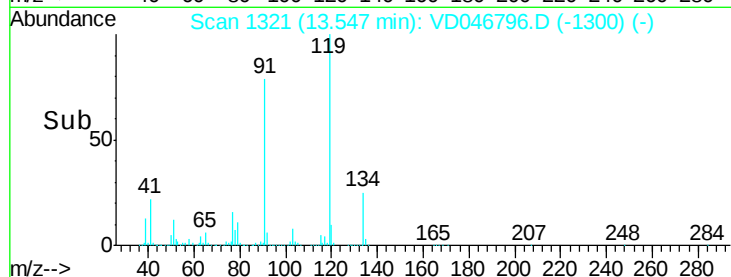
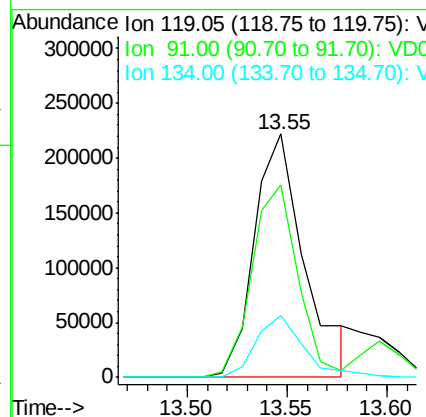
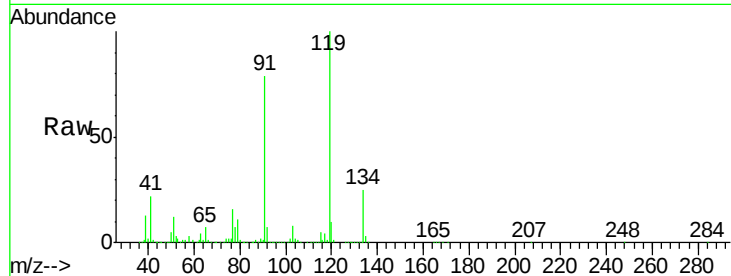
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	389060		
91	78.9	41.6	124.9	
134	25.3	12.4	37.4	

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#84

1,2,4-Trimethylbenzene

Concen: 60.17 ug/l

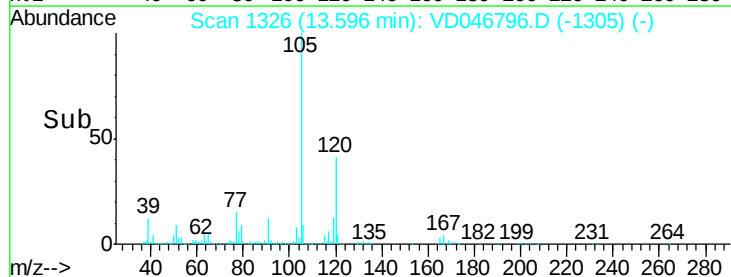
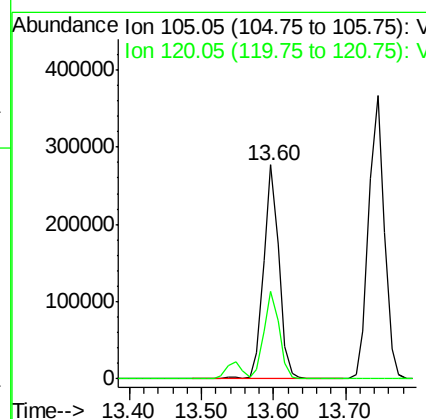
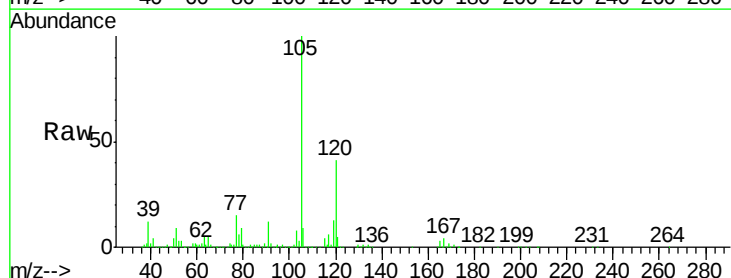
RT: 13.60 min Scan# 1326

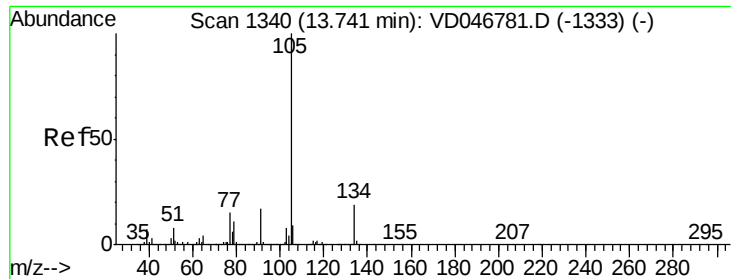
Delta R.T. 0.00 min

Lab File: VD046796.D

Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	413009		
120	41.0	21.1	63.1	





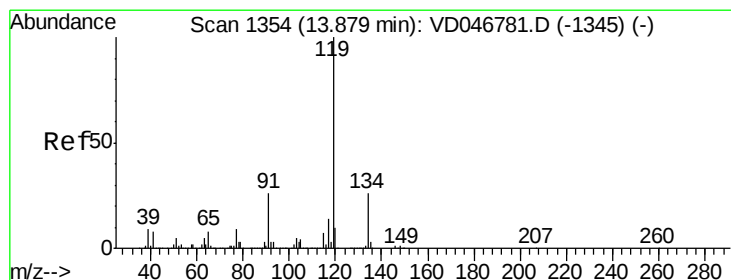
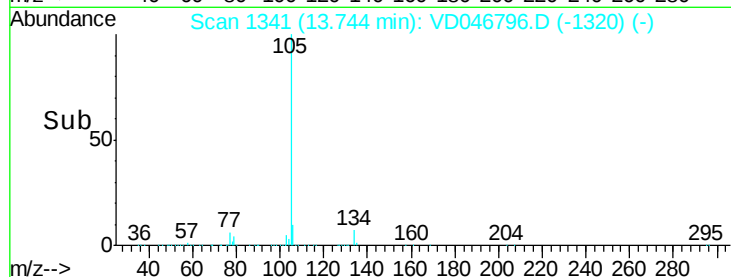
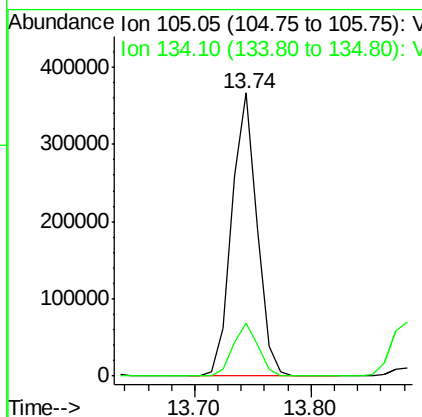
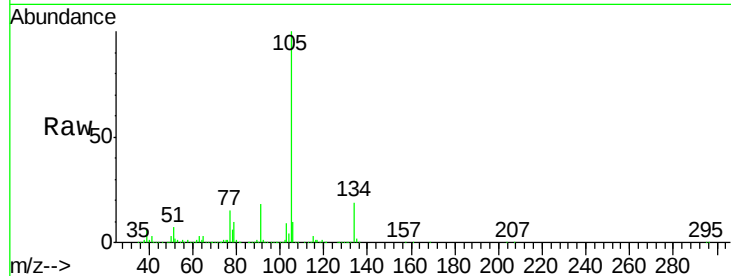
#85
 sec-Butylbenzene
 Concen: 60.64 ug/l
 RT: 13.74 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	547952		
134	18.9	10.1	30.3	

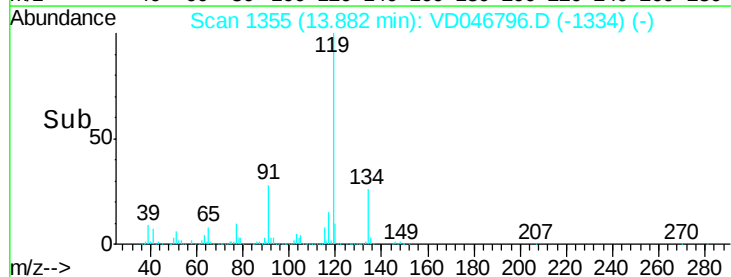
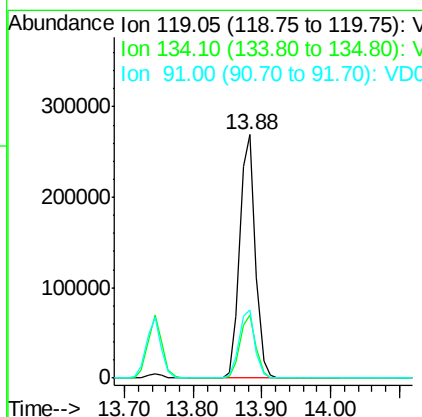
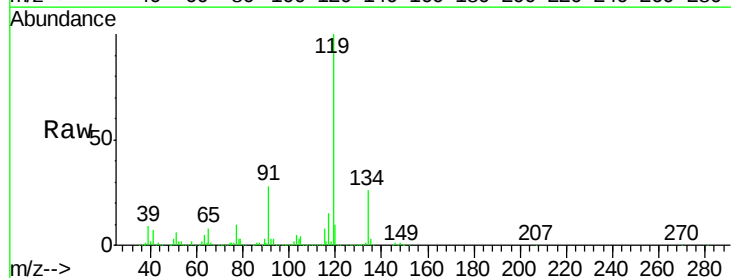
Manual Integrations
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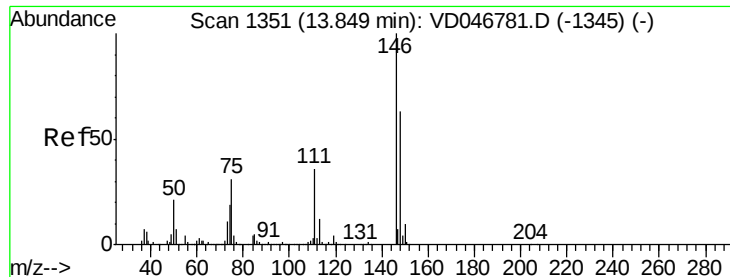
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#86
 p-Isopropyltoluene
 Concen: 59.68 ug/l
 RT: 13.88 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	423842		
134	25.9	13.0	38.9	
91	28.0	13.8	41.3	





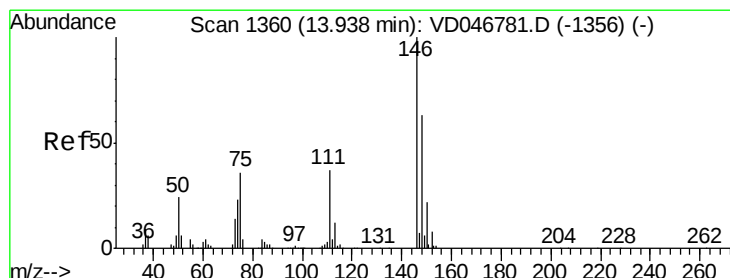
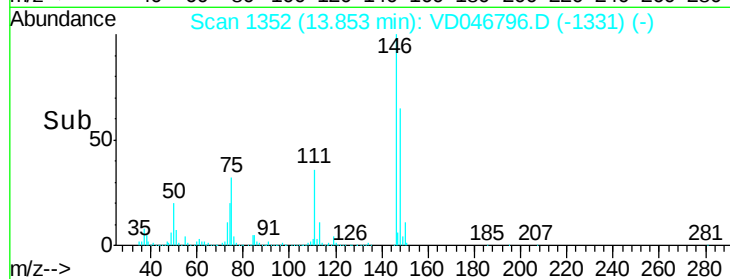
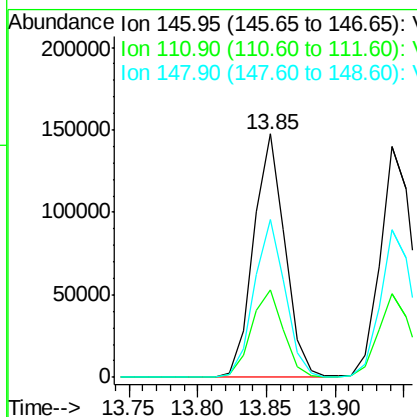
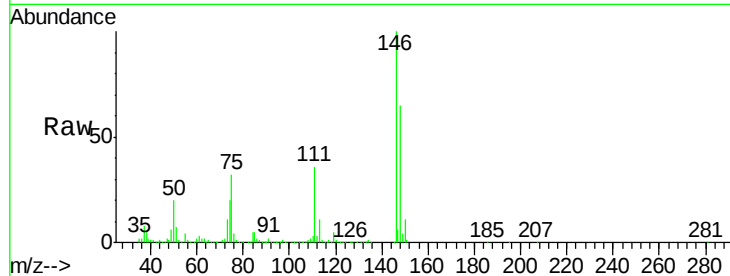
#87
 1,3-Dichlorobenzene
 Concen: 58.56 ug/l
 RT: 13.85 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	235065		
111	35.8	17.4	52.2	
148	64.8	33.0	99.0	

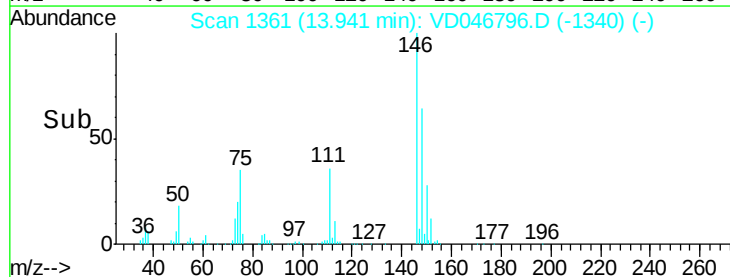
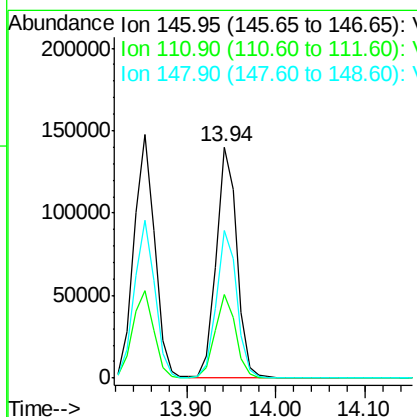
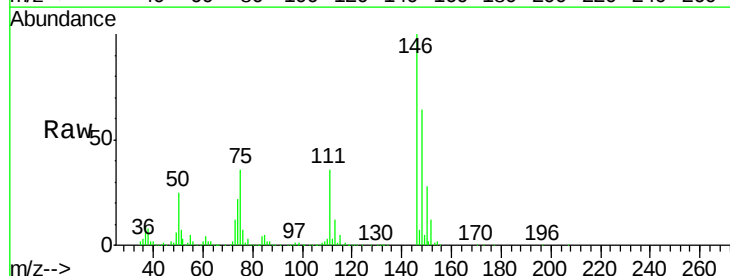
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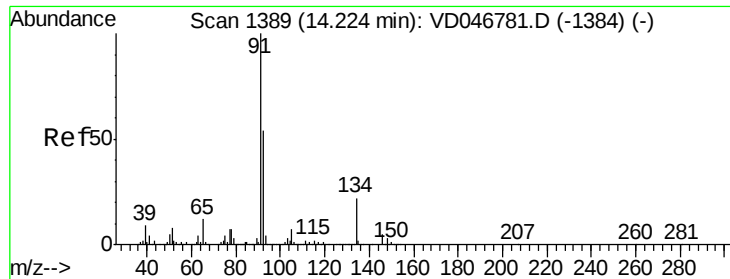
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#88
 1,4-Dichlorobenzene
 Concen: 57.13 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	228065		
111	36.0	17.0	51.0	
148	63.8	31.9	95.7	





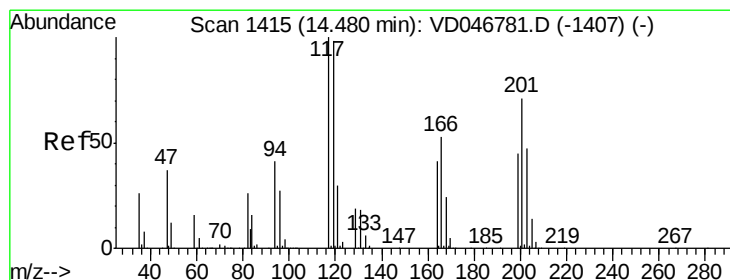
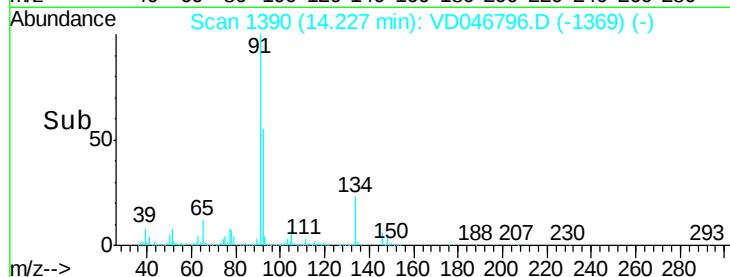
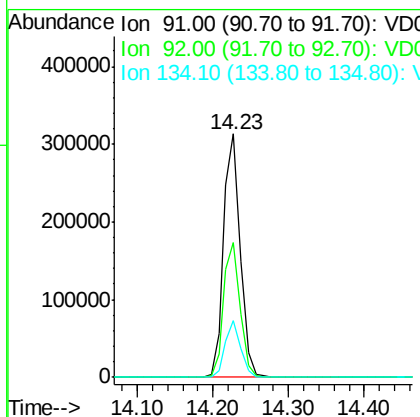
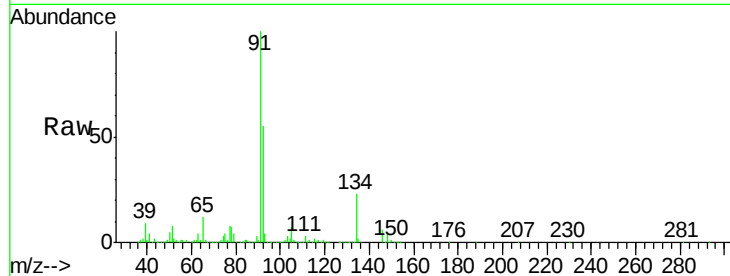
#89
n-Butylbenzene
Concen: 59.76 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.1	81.2
134	23.4	9.6	28.6

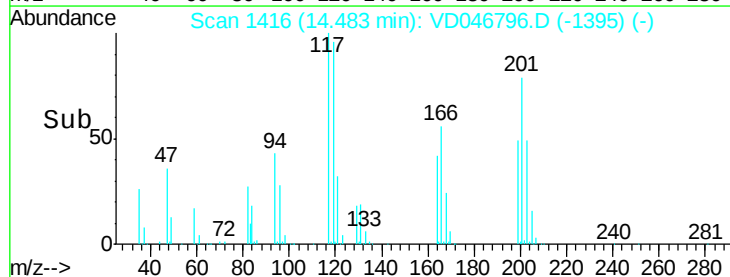
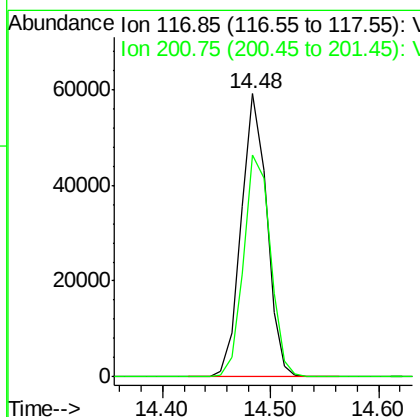
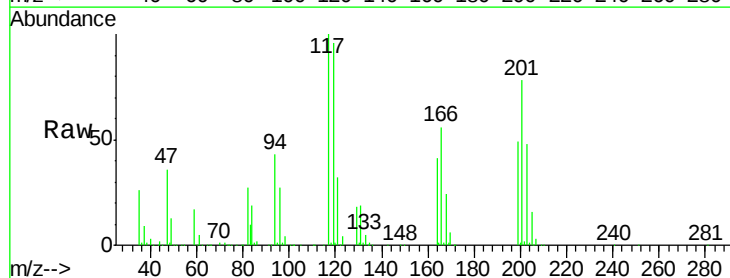
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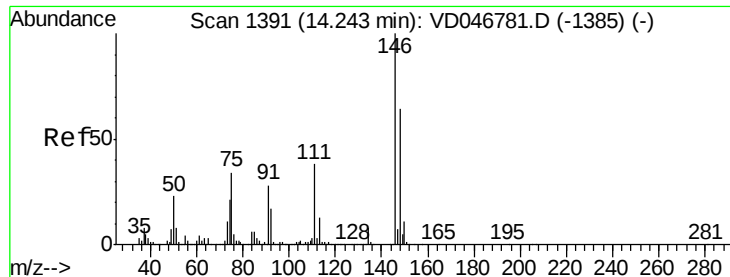
MMDadoda
9/21/2015 11:39:35 AM



#90
Hexachloroethane
Concen: 58.99 ug/l
RT: 14.48 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	41.0	123.0





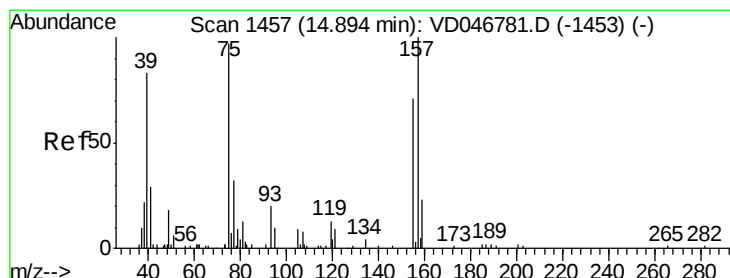
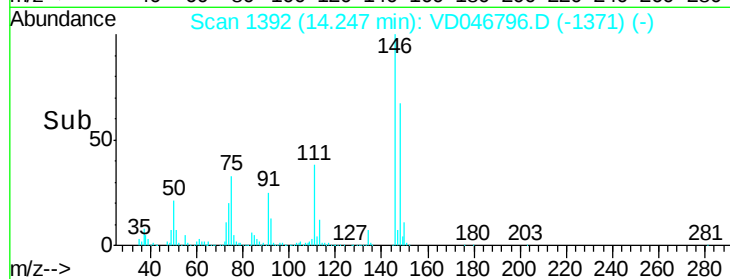
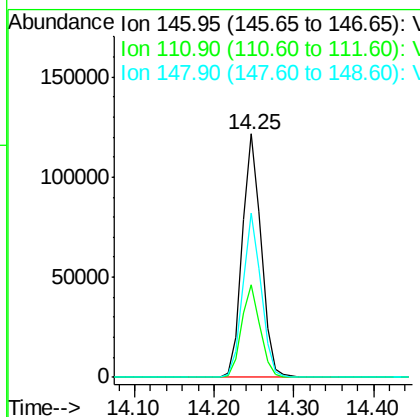
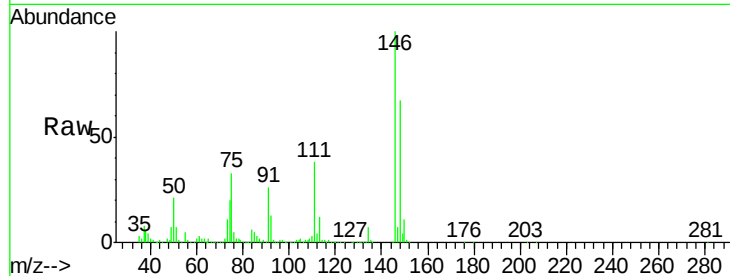
#91
 1,2-Dichlorobenzene
 Concen: 59.06 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199170		
111	38.1	18.2	54.6	
148	67.5	31.1	93.3	

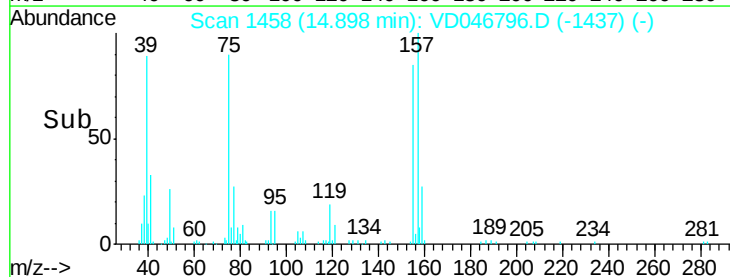
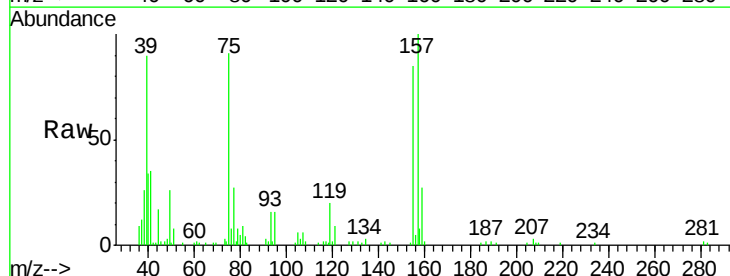
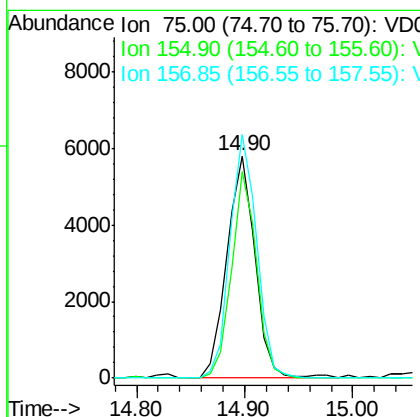
Manual Integrations
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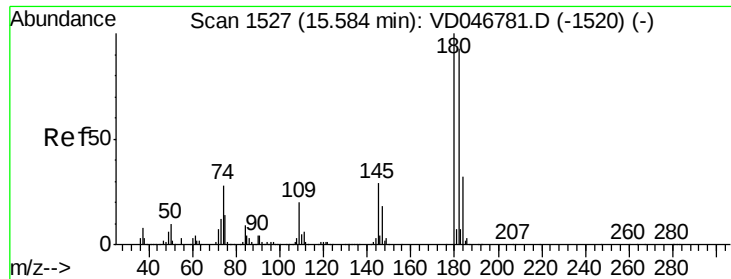
MMDadoda
 9/21/2015 11:39:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.52 ug/l
 RT: 14.90 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10562		
155	93.0	41.4	124.4	
157	109.7	65.0	195.1	





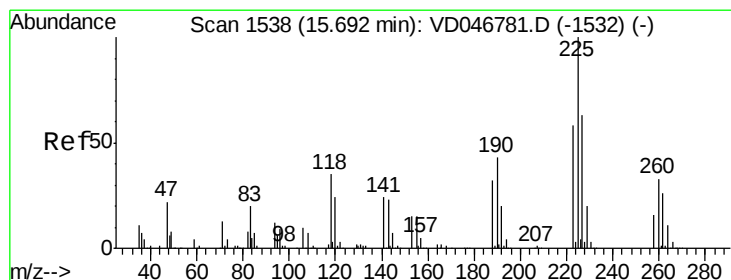
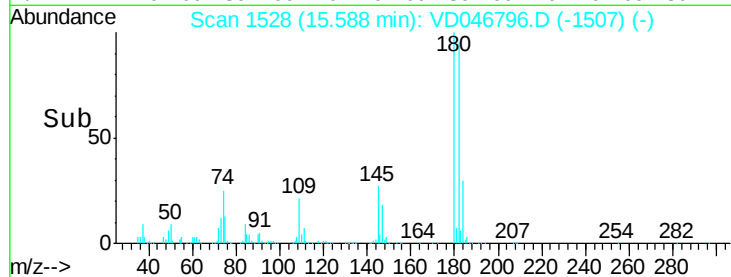
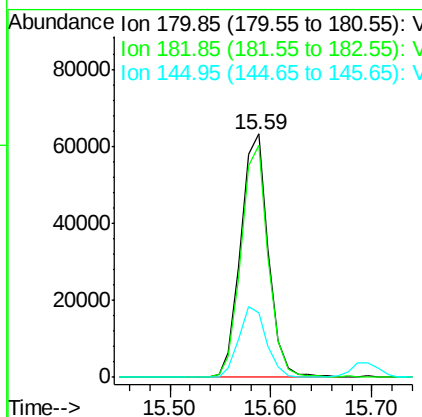
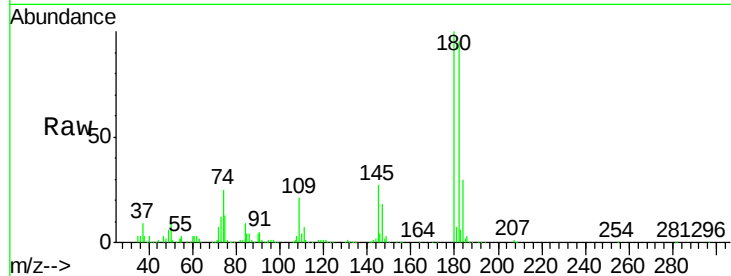
#93
 1,2,4-Trichlorobenzene
 Concen: 62.35 ug/l
 RT: 15.59 min Scan# 1528
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	26.6	14.6	44.0

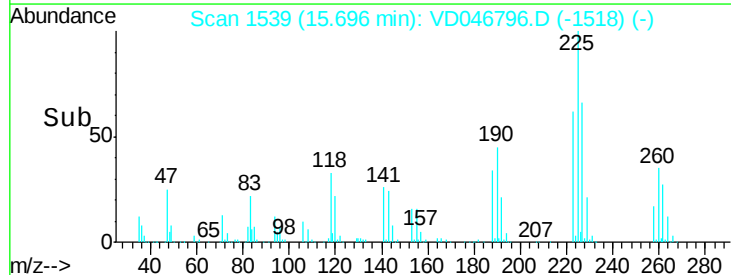
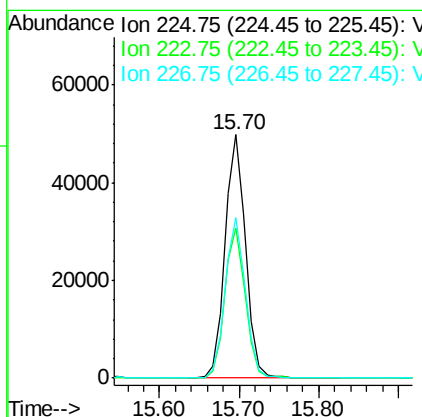
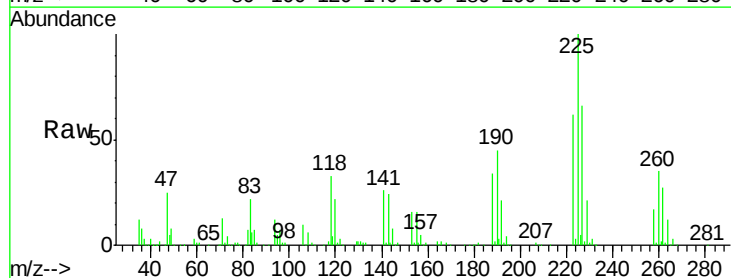
Manual Integrations
 APPROVED

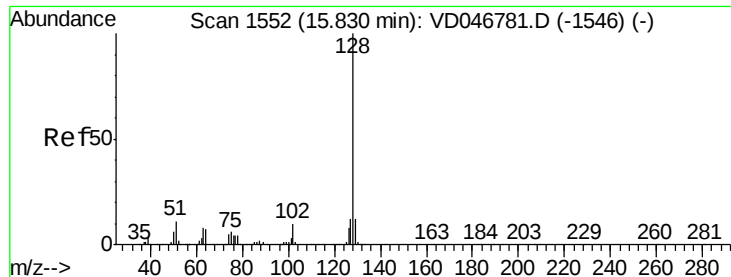
MMDadoda
 9/21/2015 11:39:35 AM



#94
 Hexachlorobutadiene
 Concen: 56.89 ug/l
 RT: 15.70 min Scan# 1539
 Delta R.T. 0.00 min
 Lab File: VD046796.D
 Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.4	91.2
227	65.9	31.3	93.9





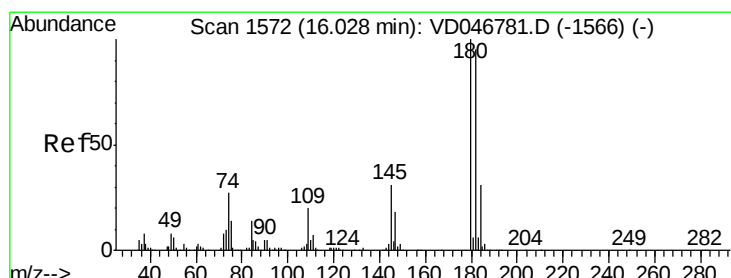
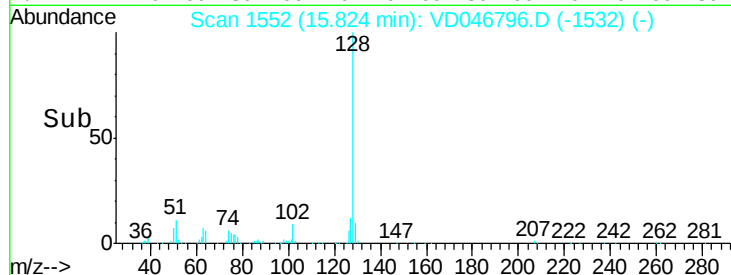
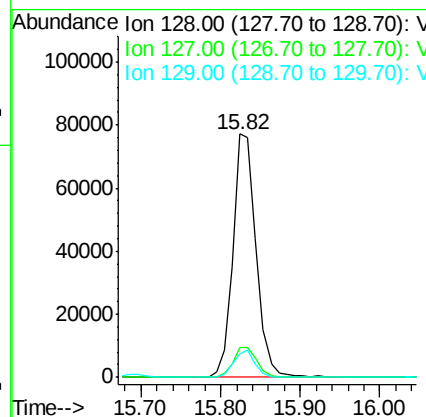
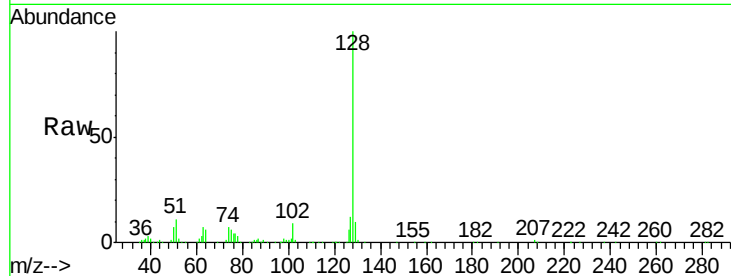
#95
Naphthalene
Concen: 60.82 ug/l
RT: 15.82 min Scan# 1552
Delta R.T. -0.01 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	157727		
127	12.4	9.8	14.6	
129	9.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:39:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 61.93 ug/l
RT: 16.03 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VD046796.D
Acq: 18 Sep 2015 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100494		
182	94.6	47.4	142.3	
145	31.6	15.4	46.4	

