

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046783.D
 Acq On : 18 Sep 2015 15:05
 Operator : FY/SY
 Sample : VSTDICC150
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:38:57 AM

Quant Time: Sep 18 15:28:18 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:30:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	226796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	293152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.59	117	268285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	133047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.73	65	320277	131.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	263.22%	
35) Dibromofluoromethane	6.22	113	328556	140.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.04%	
50) Toluene-d8	9.62	98	1100128	148.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.16%	
62) 4-Bromofluorobenzene	12.86	95	424377	143.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.42	85	288673	118.01	ug/l	97
3) Chlorodifluoromethane	1.43	51	234903	112.70	ug/l	94
4) Chloromethane	1.58	50	179635	131.64	ug/l	98
5) Vinyl Chloride	1.68	62	163780	126.22	ug/l	97
6) Bromomethane	1.97	94	152084	123.29	ug/l	100
7) Chloroethane	2.08	64	105309	131.81	ug/l	100
8) Trichlorofluoromethane	2.33	101	485656	129.23	ug/l	100
9) Diethyl Ether	2.64	74	100467	147.91	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	2.89	101	319660	135.49	ug/l	97
11) Methyl Iodide	3.06	142	413352	167.63	ug/l	97
12) Tert butyl alcohol	3.70	59	43511	367.97	ug/l	98
13) 1,1-Dichloroethene	2.88	96	263635	141.36	ug/l	94
14) Acrolein	2.78	56	85891	683.67	ug/l	91
15) Allyl chloride	3.34	41	551284	147.76	ug/l	89
16) Acrylonitrile	3.85	53	207064	758.40	ug/l	93
17) Acetone	2.95	43	302538	767.94	ug/l	98
18) Carbon Disulfide	3.14	76	914988	132.70	ug/l	98
19) Methyl Acetate	3.35	43	329344	140.15	ug/l	98
20) Methyl tert-butyl Ether	3.91	73	446791	156.57	ug/l	95
21) Methylene Chloride	3.51	84	288837	132.46	ug/l	92
22) trans-1,2-Dichloroethene	3.90	96	300911	143.16	ug/l	91
23) Diisopropyl ether	4.67	45	946732	151.84	ug/l	95
24) Vinyl Acetate	4.61	43	1128685m	889.02	ug/l	
25) 1,1-Dichloroethane	4.57	63	534431	140.01	ug/l	99
26) 2-Butanone	5.45	43	342782	754.85	ug/l	97
27) 2,2-Dichloropropane	5.44	77	548794	139.76	ug/l	98
28) cis-1,2-Dichloroethene	5.44	96	320268	147.19	ug/l	92
29) Bromochloromethane	5.80	49	205740	134.07	ug/l	91
30) Chloroform	5.98	83	634569	136.77	ug/l	99
31) Cyclohexane	6.28	56	489085	137.35	ug/l	91
32) 1,1,1-Trichloroethane	6.19	97	583086	142.25	ug/l	96
36) 1,1-Dichloropropene	6.44	75	480405	139.32	ug/l	96
37) Ethyl Acetate	5.55	43	158591	132.74	ug/l	98
38) Carbon Tetrachloride	6.42	117	497925	139.34	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	559475	160.51	ug/l	96
40) Benzene	6.73	78	1201759	135.06	ug/l	99
41) Methacrylonitrile	5.77	41	102472	162.38	ug/l #	90
42) 1,2-Dichloroethane	6.84	62	381113	137.44	ug/l	99
43) Isopropyl Acetate	8.42	43	253759	172.71	ug/l #	99
44) Trichloroethene	7.76	130	329951	148.10	ug/l	97
45) 1,2-Dichloropropane	8.16	63	312321	143.04	ug/l	98
46) Dibromomethane	8.27	93	178899	144.78	ug/l	93
47) Bromodichloromethane	8.57	83	472404	145.29	ug/l	99
48) Methyl methacrylate	8.09	41	349024	153.02	ug/l	98
49) 1,4-Dioxane	8.30	88	26600	3298.58	ug/l #	87
51) 4-Methyl-2-Pentanone	9.49	43	886920	837.62	ug/l	96
52) Toluene	9.73	92	819208	148.63	ug/l	97
53) t-1,3-Dichloropropene	10.13	75	402060	167.82	ug/l	94
54) cis-1,3-Dichloropropene	9.24	75	488838	158.13	ug/l	98
55) 1,1,2-Trichloroethane	10.40	97	204402	145.65	ug/l	98
56) Ethyl methacrylate	10.25	69	231642	183.99	ug/l	99
57) 1,3-Dichloropropane	10.62	76	394592	150.48	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.04	63	514058	811.27	ug/l	99
59) 2-Hexanone	10.72	43	656137	869.38	ug/l	93
60) Dibromochloromethane	10.90	129	289232	149.66	ug/l	99
61) 1,2-Dibromoethane	11.02	107	206658	148.92	ug/l	95
64) Tetrachloroethene	10.48	164	327333	149.24	ug/l	93
65) Chlorobenzene	11.62	112	826011	145.08	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	307267	146.64	ug/l	99
67) Ethyl Benzene	11.73	91	1728234	151.24	ug/l	99
68) m/p-Xylenes	11.89	106	1088515	301.35	ug/l	97
69) o-Xylene	12.30	106	519968	160.32	ug/l	100
70) Styrene	12.33	104	865723	154.60	ug/l	95
71) Bromoform	12.51	173	177636	160.44	ug/l	97
73) Isopropylbenzene	12.68	105	1563541	166.49	ug/l	98
74) N-amyl acetate	12.51	43	391835	190.54	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.00	83	229125	151.14	ug/l	96
76) 1,2,3-Trichloropropane	13.05	75	261828	162.51	ug/l	98
77) Bromobenzene	12.99	156	371494	155.85	ug/l	98
78) n-propylbenzene	13.08	91	2104469	158.31	ug/l	99
79) 2-Chlorotoluene	13.16	91	1159595	156.21	ug/l	98
80) 1,3,5-Trimethylbenzene	13.26	105	1196843	160.32	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.75	75	71499	180.23	ug/l	99
82) 4-Chlorotoluene	13.28	91	1325914	151.56	ug/l	99
83) tert-Butylbenzene	13.55	119	1114100m	164.40	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	1172826	154.93	ug/l	99
85) sec-Butylbenzene	13.74	105	1579436	158.29	ug/l	97
86) p-Isopropyltoluene	13.88	119	1227188	157.57	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	662723	149.26	ug/l	98
88) 1,4-Dichlorobenzene	13.94	146	645810	149.14	ug/l	99
89) n-Butylbenzene	14.23	91	1390187	157.72	ug/l	97
90) Hexachloroethane	14.48	117	270502	146.82	ug/l	94
91) 1,2-Dichlorobenzene	14.25	146	538324	145.39	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.90	75	29891	143.31	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.59	180	346092	161.73	ug/l	98
94) Hexachlorobutadiene	15.70	225	264777	152.36	ug/l	98
95) Naphthalene	15.83	128	433460	172.52	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	275156	156.03	ug/l	97

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

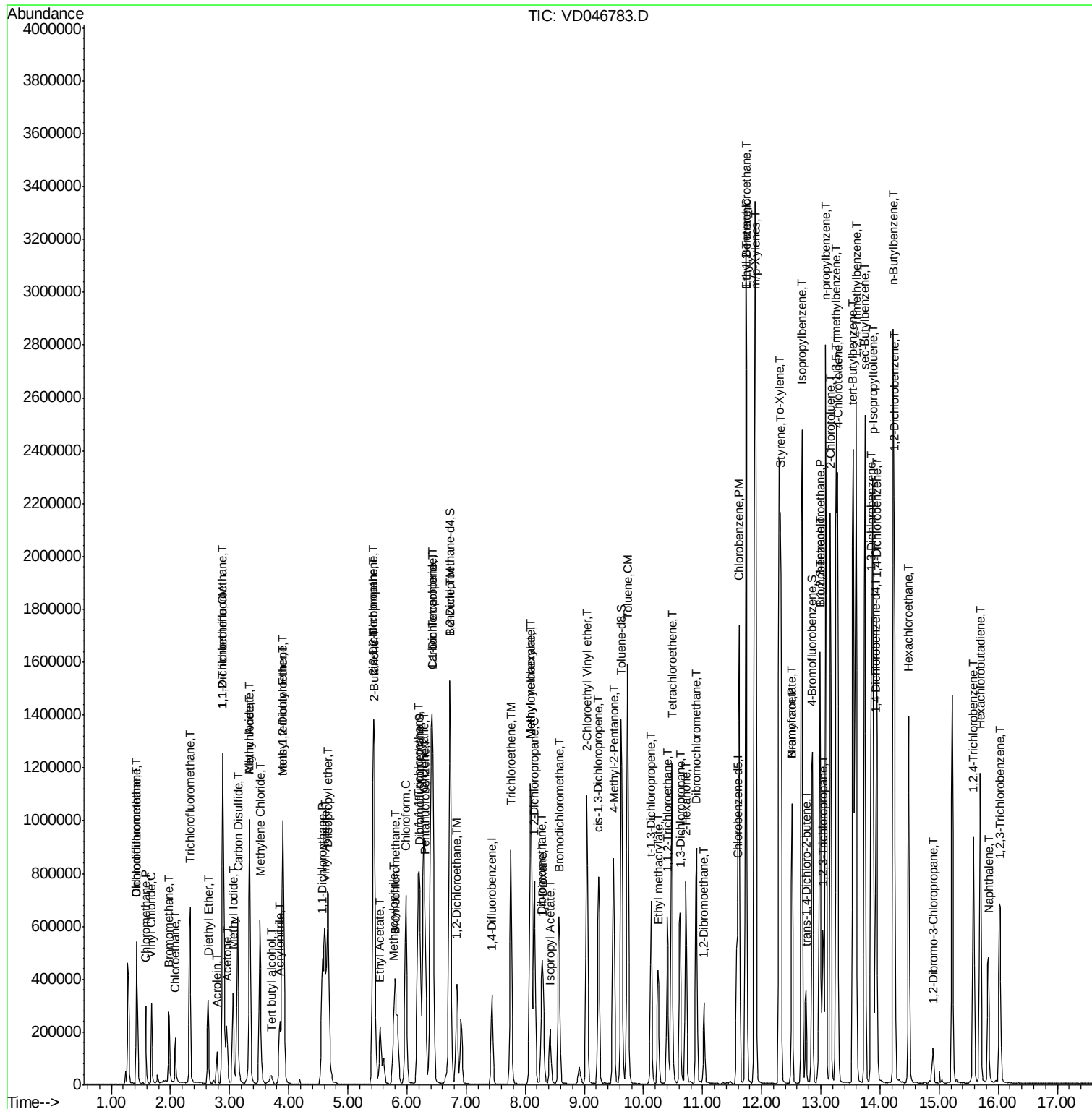
Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
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Operator : FY/SY
Sample : VSTDIC150
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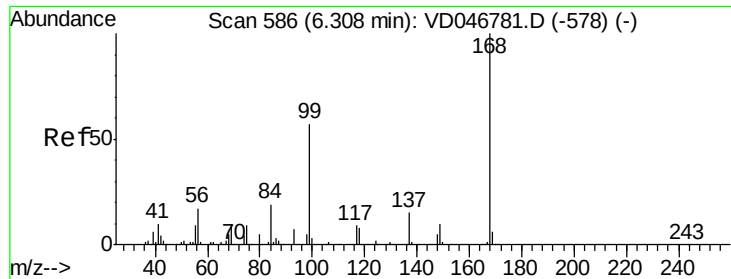
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 587

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 226796

Ion Ratio Lower Upper

168 100

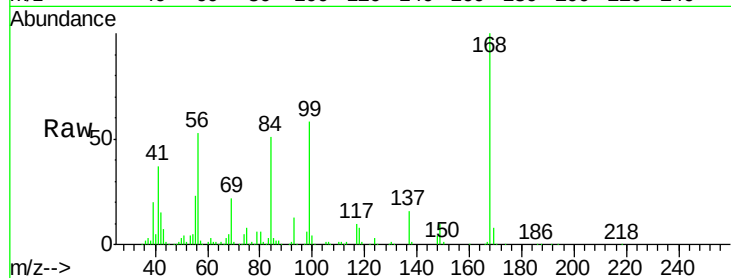
99 58.2 42.4 63.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

150000

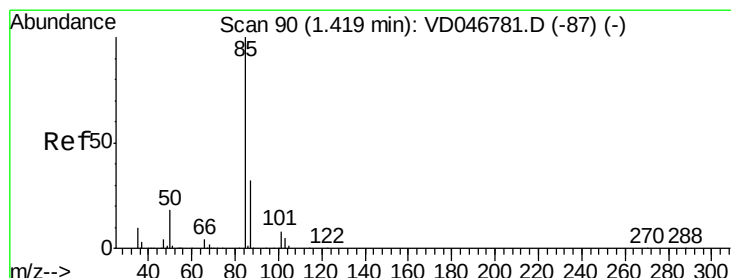
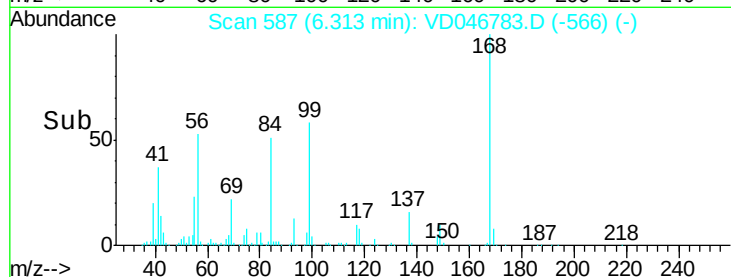
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#2

Dichlorodifluoromethane

Concen: 118.01 ug/l

RT: 1.42 min Scan# 91

Delta R.T. 0.00 min

Lab File: VD046783.D

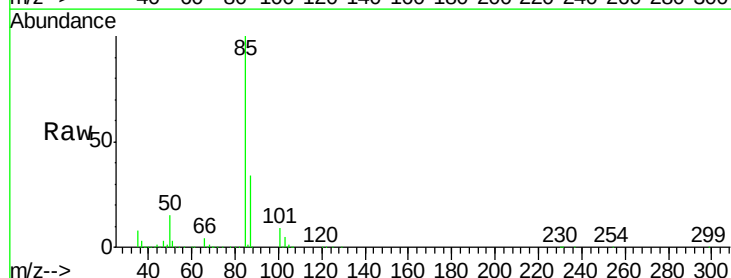
Acq: 18 Sep 2015 15:05

Tgt Ion: 85 Resp: 288673

Ion Ratio Lower Upper

85 100

87 34.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

300000

250000

200000

150000

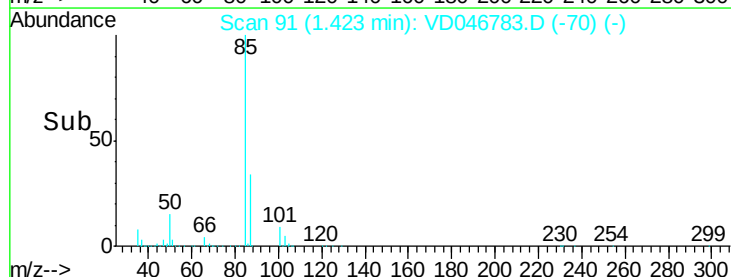
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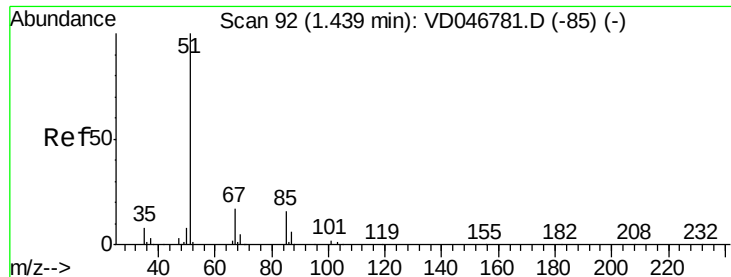
50000

0

1.30 1.40 1.50 1.60

Time-->





#3

Chlorodifluoromethane

Concen: 112.70 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 51 Resp: 234903

Ion Ratio Lower Upper

51 100

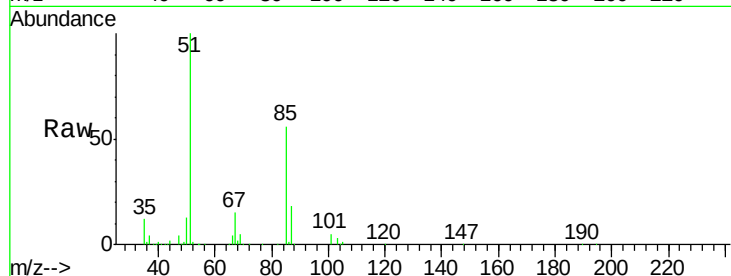
67 16.0 10.9 16.3

Manual Integrations

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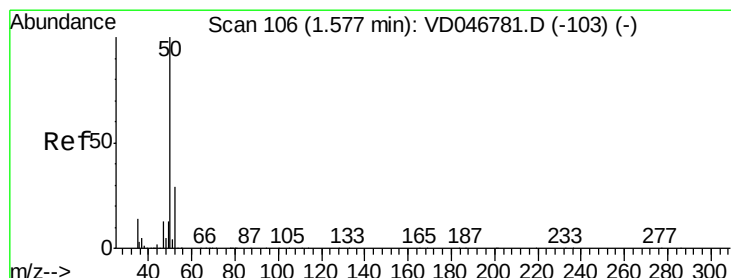
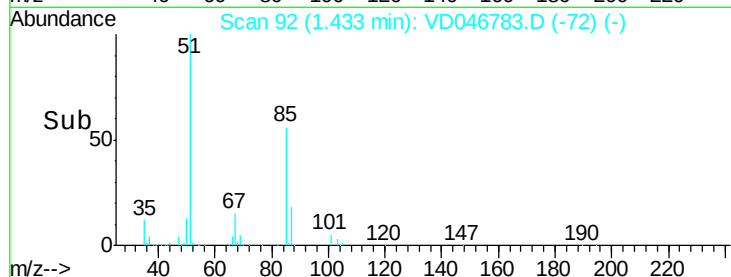
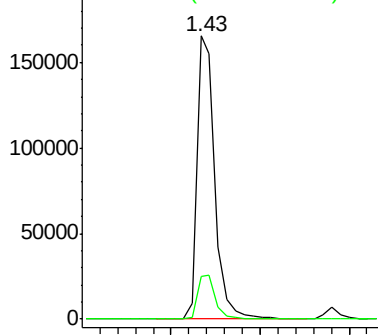
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 131.64 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD046783.D

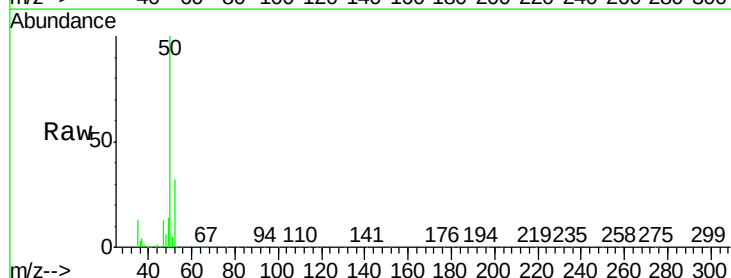
Acq: 18 Sep 2015 15:05

Tgt Ion: 50 Resp: 179635

Ion Ratio Lower Upper

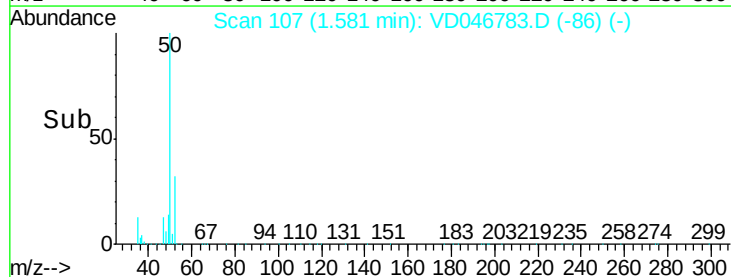
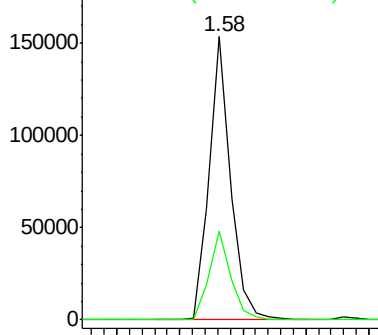
50 100

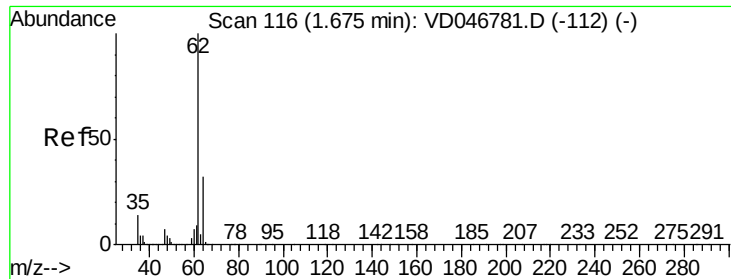
52 31.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 126.22 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

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ClientSampleId :

VSTDIC150

Tgt Ion: 62 Resp: 163780

Ion Ratio Lower Upper

62 100

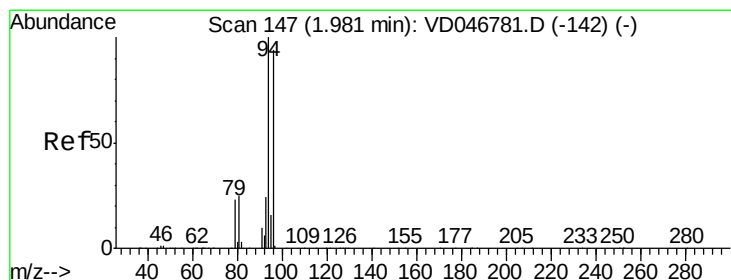
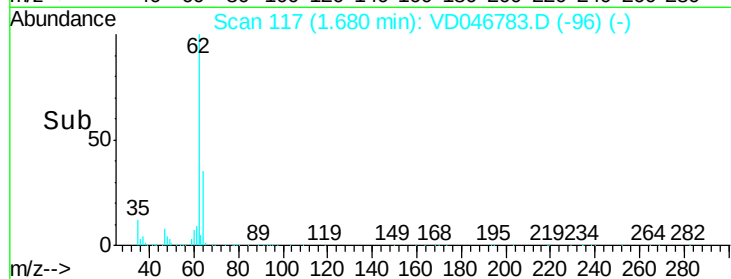
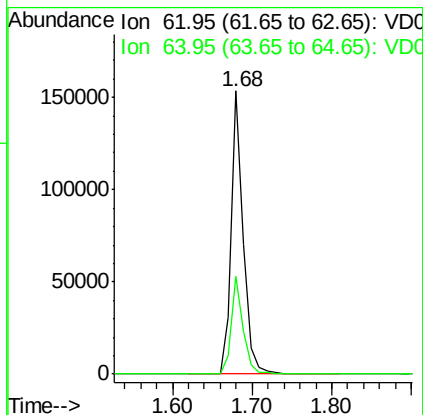
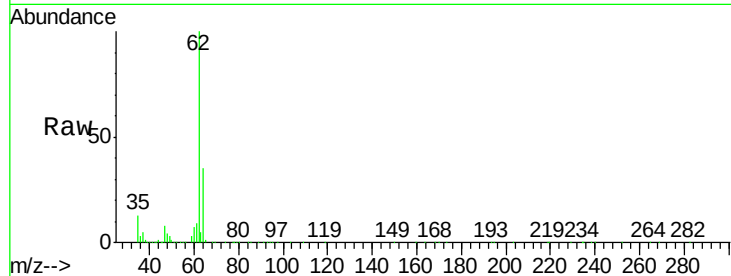
64 34.7 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 123.29 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046783.D

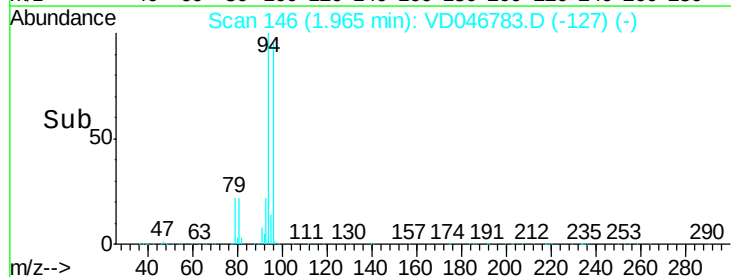
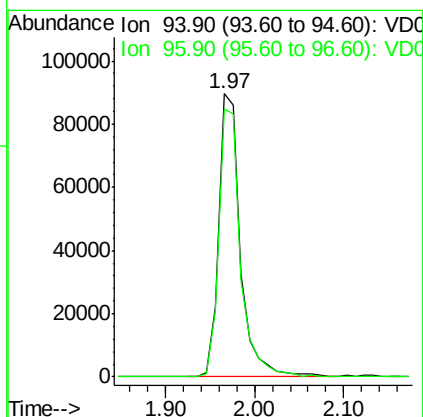
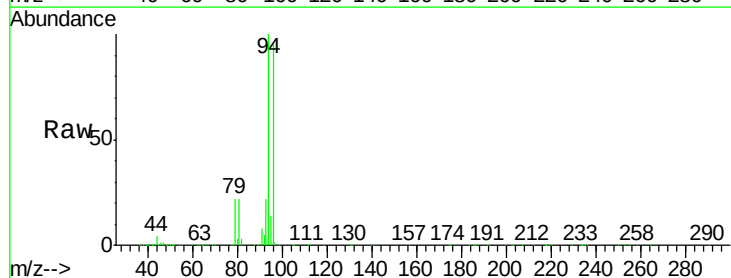
Acq: 18 Sep 2015 15:05

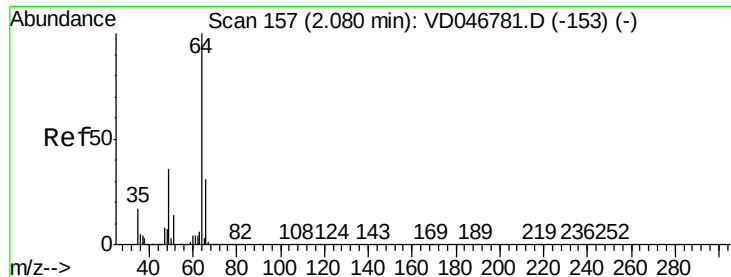
Tgt Ion: 94 Resp: 152084

Ion Ratio Lower Upper

94 100

96 94.7 76.0 114.0





#7

Chloroethane

Concen: 131.81 ug/l

RT: 2.08 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

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ClientSampleId :

VSTDIC150

Tgt Ion: 64 Resp: 105309

Ion Ratio Lower Upper

64 100

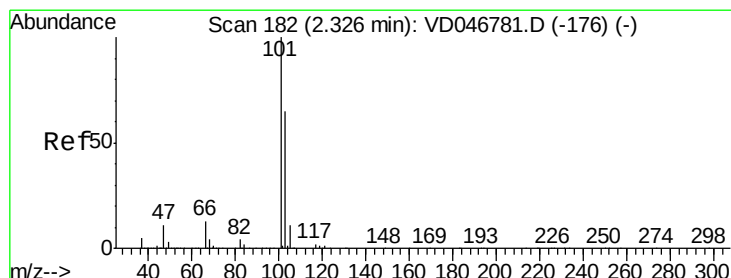
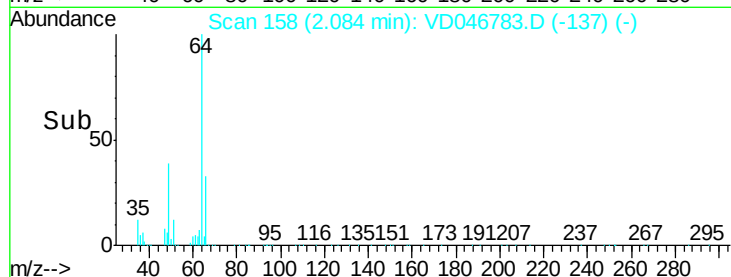
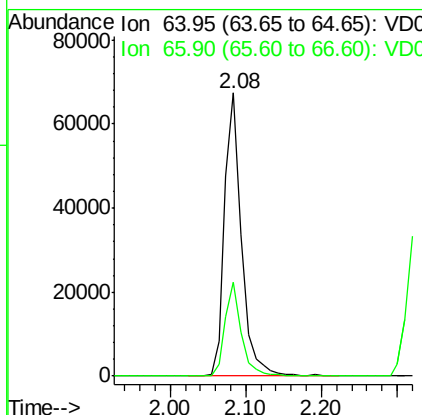
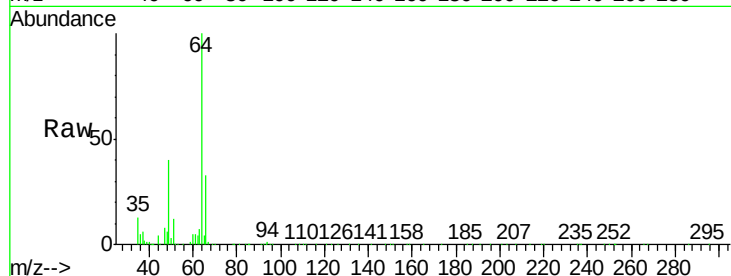
66 33.2 26.6 39.8

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 129.23 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD046783.D

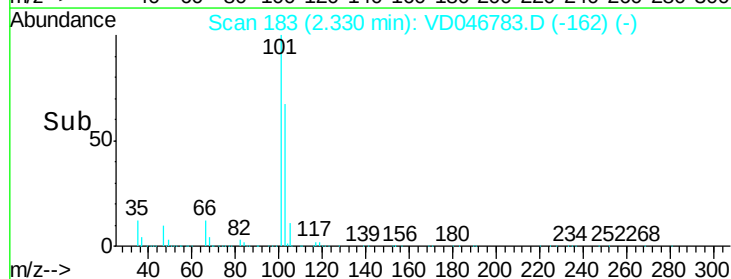
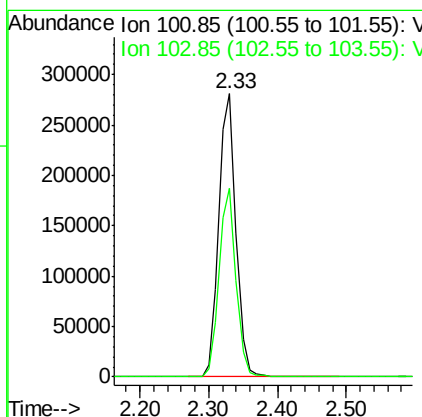
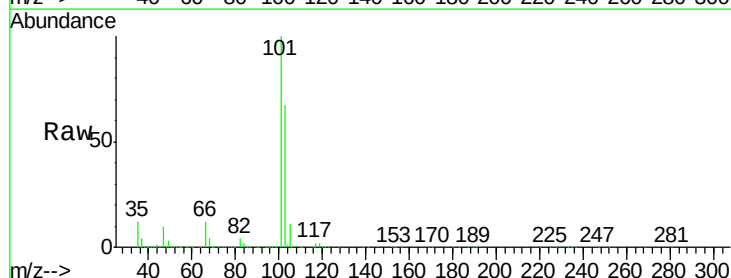
Acq: 18 Sep 2015 15:05

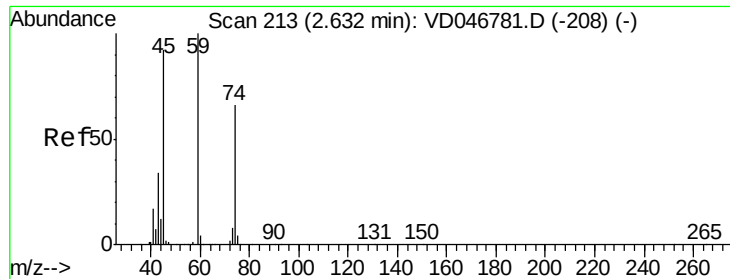
Tgt Ion: 101 Resp: 485656

Ion Ratio Lower Upper

101 100

103 66.6 53.2 79.8





#9

Diethyl Ether

Concen: 147.91 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

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ClientSampleId :

VSTDICC150

Tgt Ion: 74 Resp: 100467

Ion Ratio Lower Upper

74 100

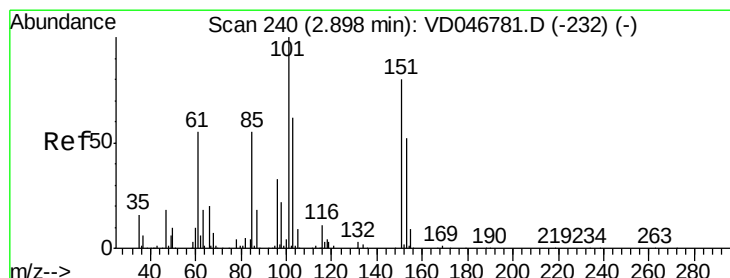
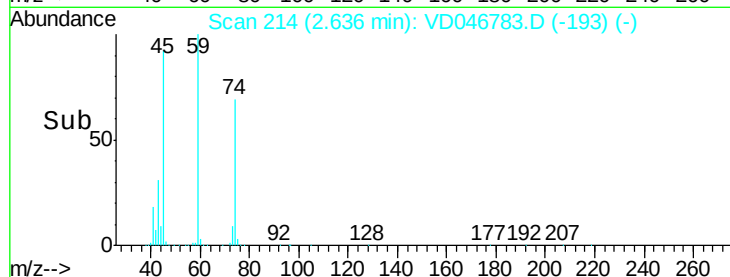
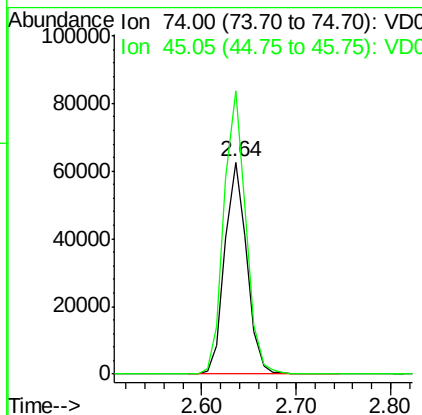
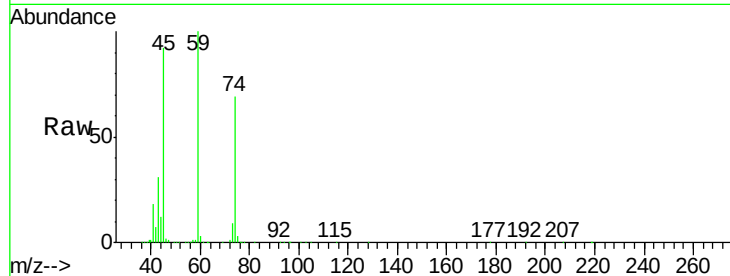
45 133.4 76.2 228.6

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 135.49 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

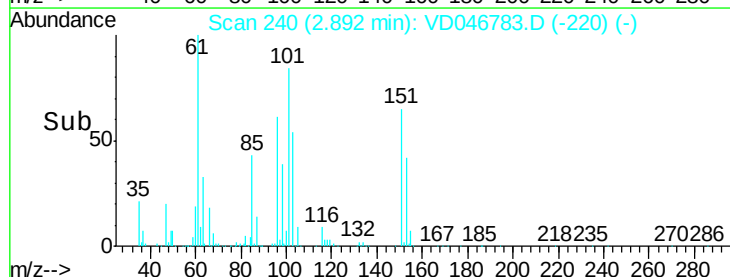
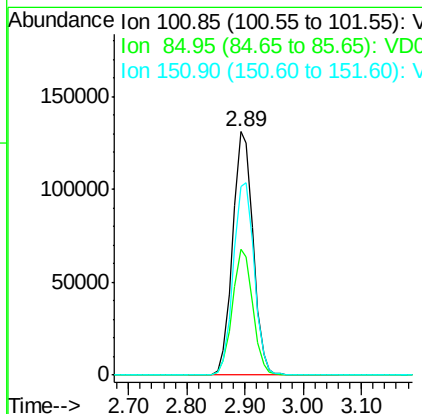
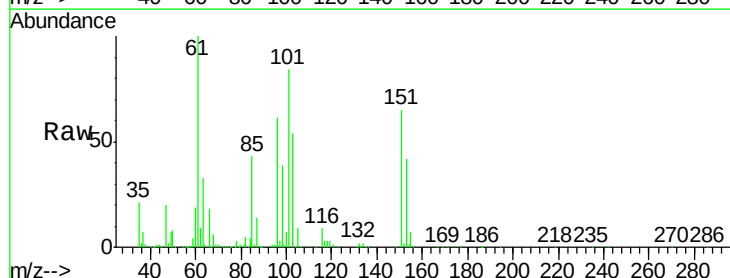
Tgt Ion: 101 Resp: 319660

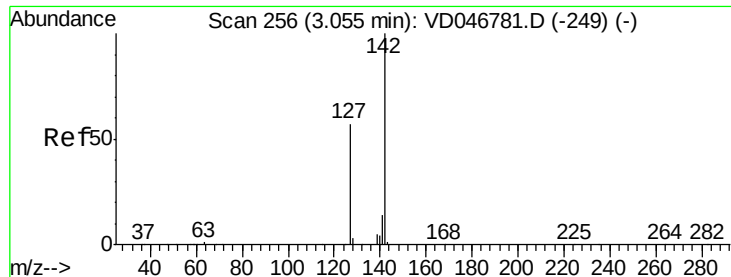
Ion Ratio Lower Upper

101 100

85 51.8 42.0 63.0

151 77.3 65.2 97.8





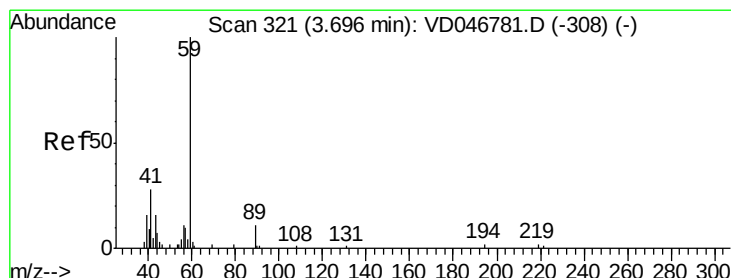
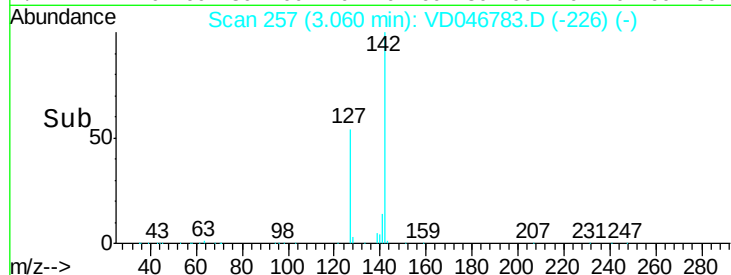
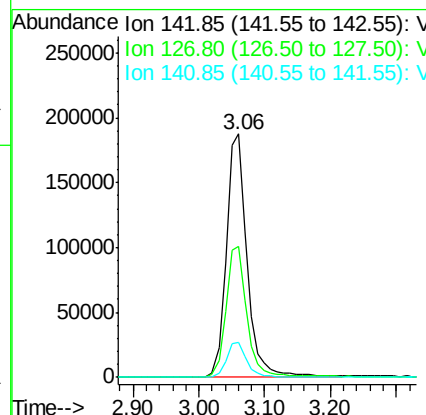
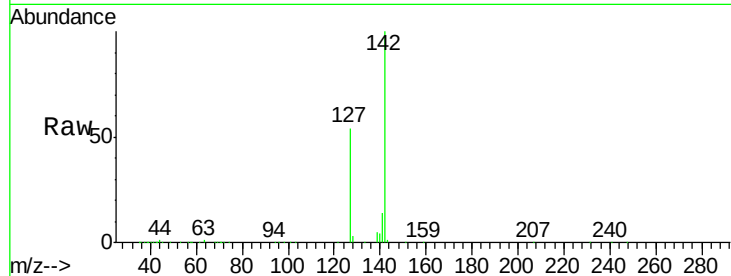
#11
Methyl Iodide
Concen: 167.63 ug/l
RT: 3.06 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
142	100		
127	53.6	41.2	61.8
141	14.1	11.6	17.4

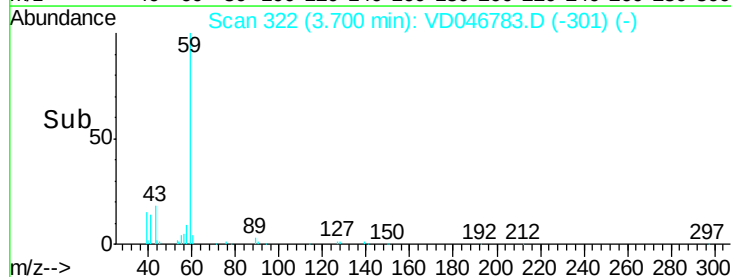
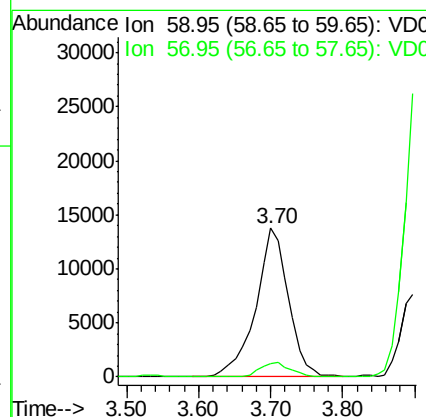
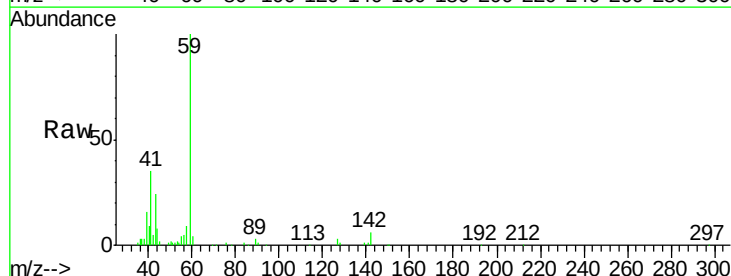
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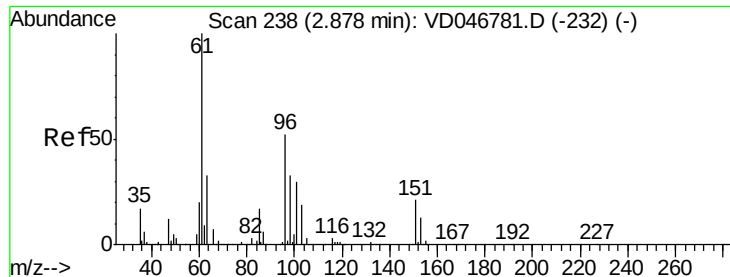
MMDadoda
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#12
Tert butyl alcohol
Concen: 367.97 ug/l
RT: 3.70 min Scan# 322
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.8	11.6





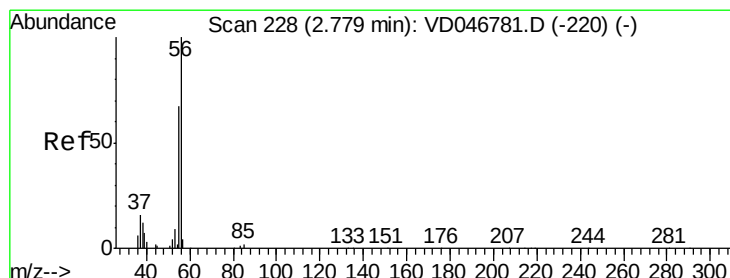
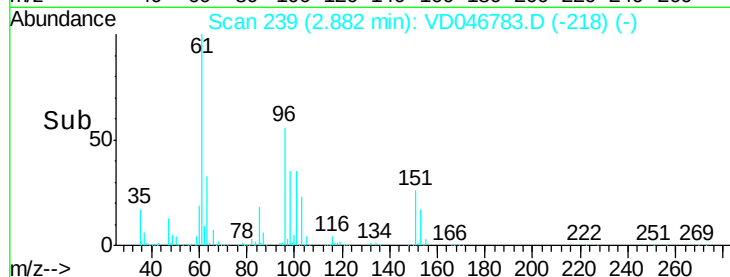
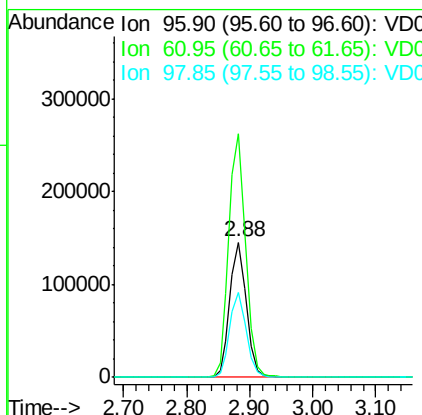
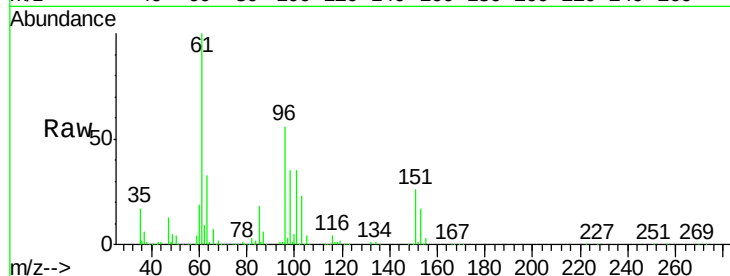
#13
1,1-Dichloroethene
Concen: 141.36 ug/l
RT: 2.88 min Scan# 239
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.9	152.2	228.4
98	62.9	51.2	76.8

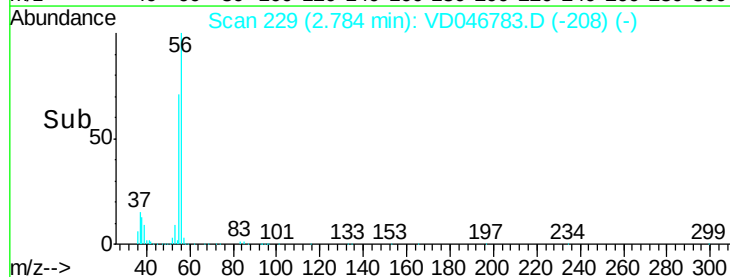
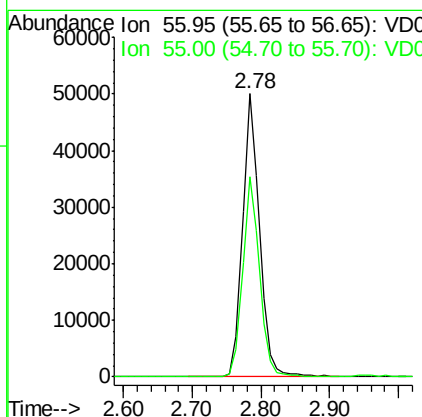
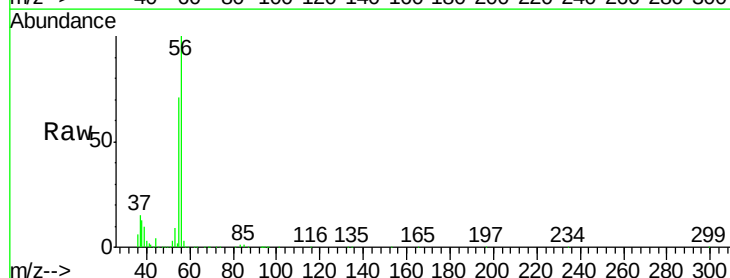
Manual Integrations
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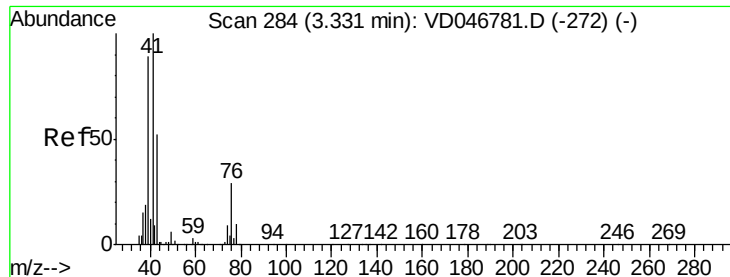
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#14
Acrolein
Concen: 683.67 ug/l
RT: 2.78 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.7	62.6	93.8





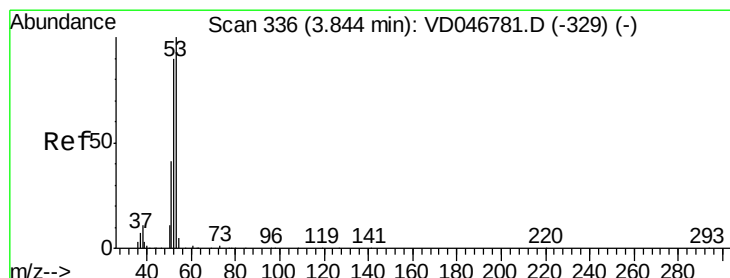
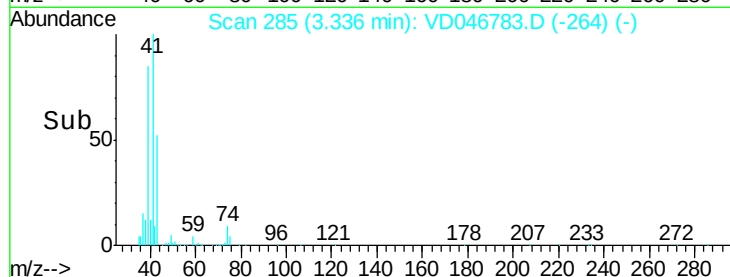
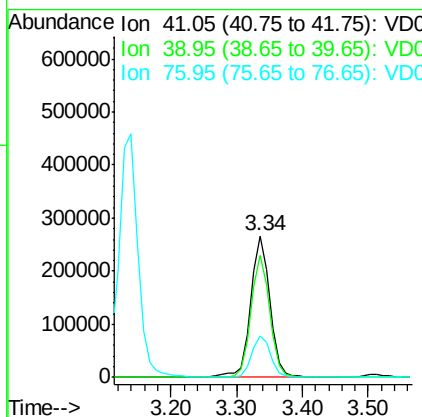
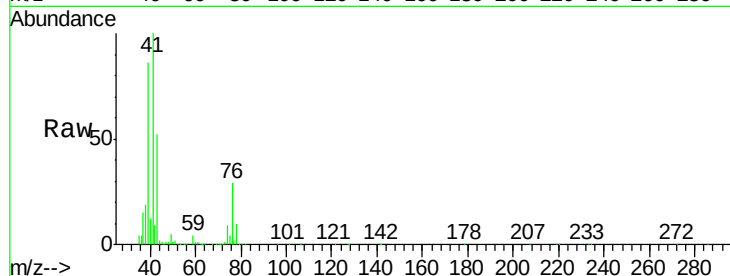
#15
 Allyl chloride
 Concen: 147.76 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	85.6	58.8	88.2
76	29.4	22.7	34.1

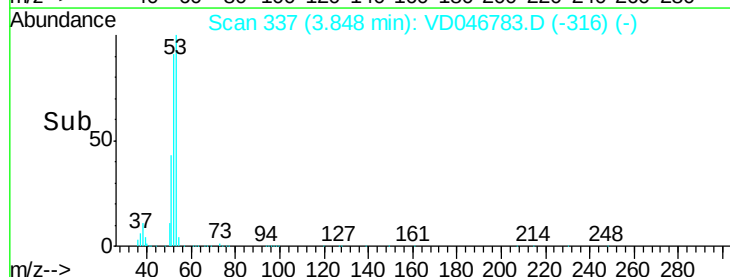
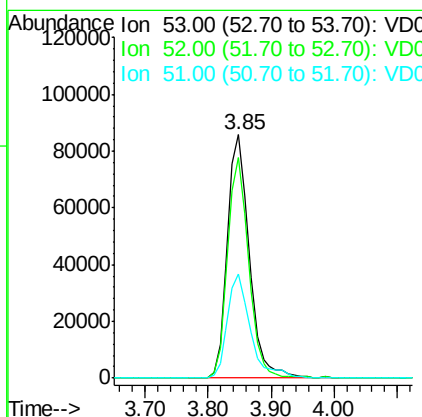
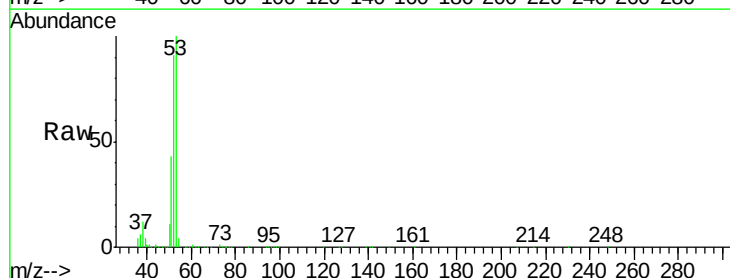
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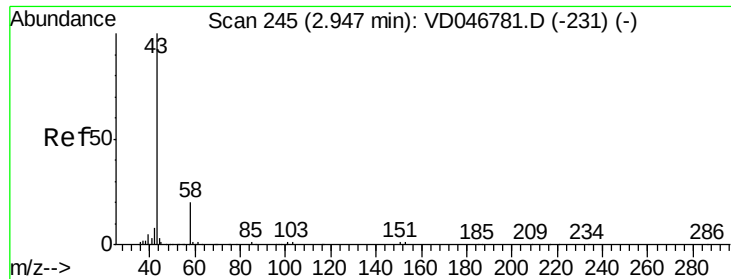
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#16
 Acrylonitrile
 Concen: 758.40 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
53	100		
52	90.8	66.8	100.2
51	42.7	31.2	46.8





#17

Acetone

Concen: 767.94 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion: 43 Resp: 302538

Ion Ratio Lower Upper

43 100

58 21.7 16.6 24.8

Instrument :

MSVOA_D

ClientSampleId :

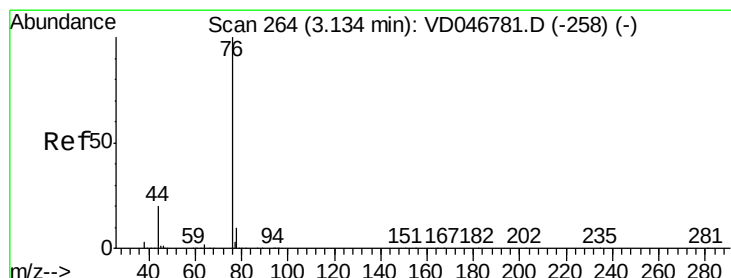
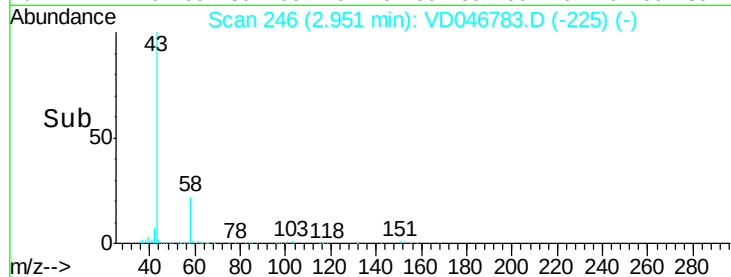
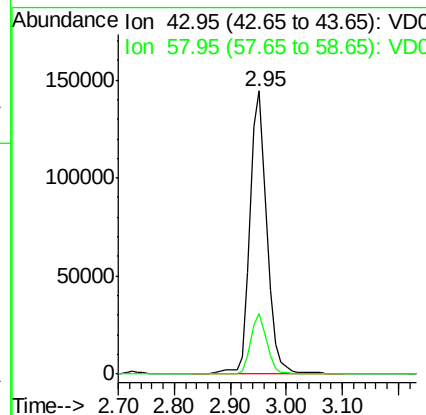
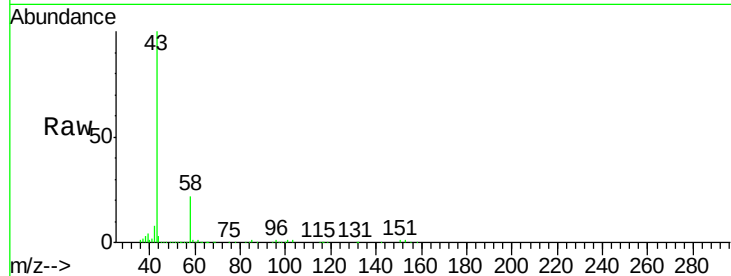
VSTDIC150

Manual Integrations

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#18

Carbon Disulfide

Concen: 132.70 ug/l

RT: 3.14 min Scan# 265

Delta R.T. 0.00 min

Lab File: VD046783.D

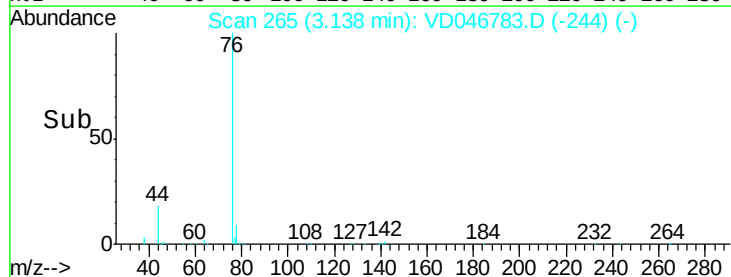
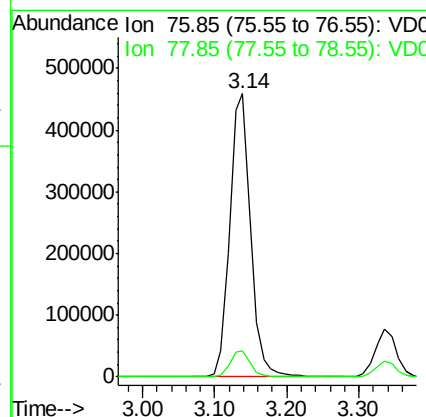
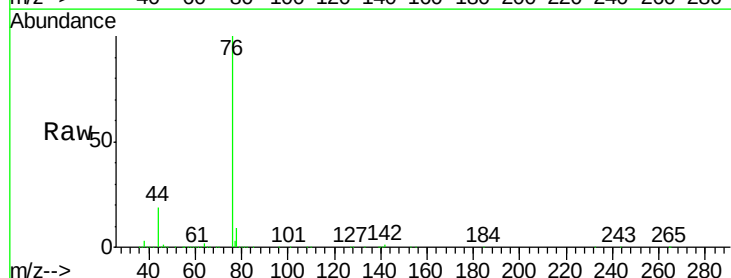
Acq: 18 Sep 2015 15:05

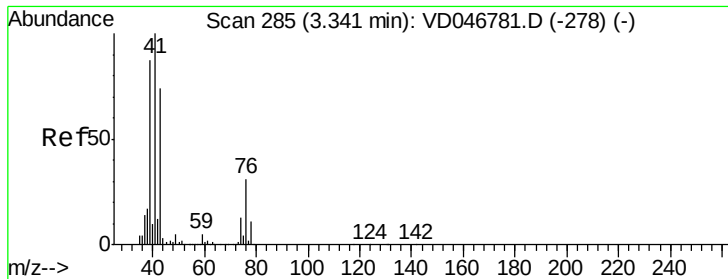
Tgt Ion: 76 Resp: 914988

Ion Ratio Lower Upper

76 100

78 9.3 8.0 12.0





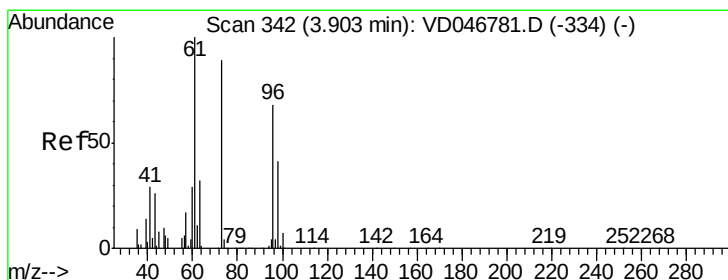
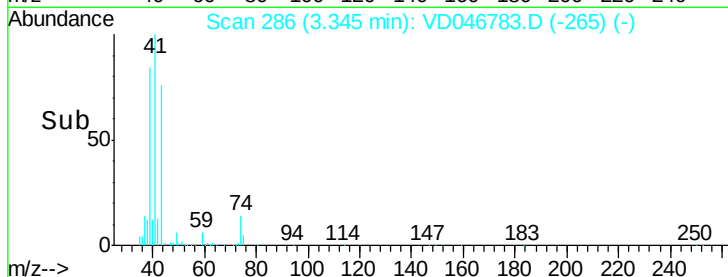
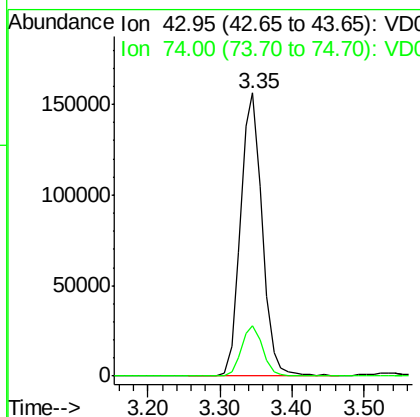
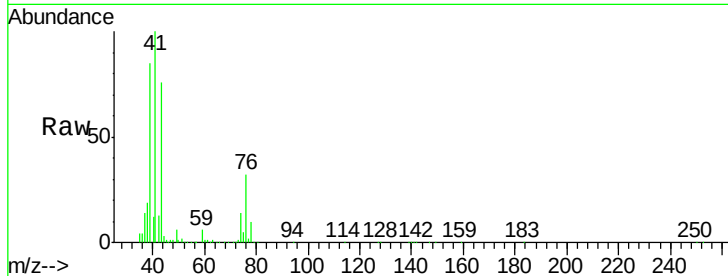
#19
Methyl Acetate
Concen: 140.15 ug/l
RT: 3.35 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.9	13.7	20.5

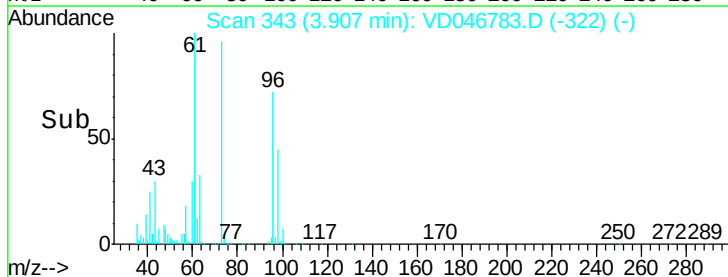
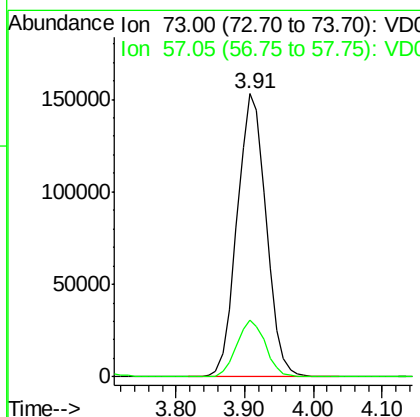
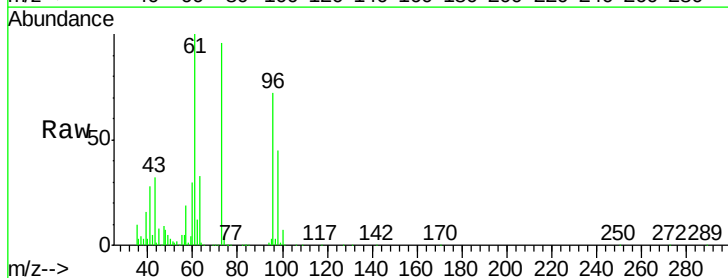
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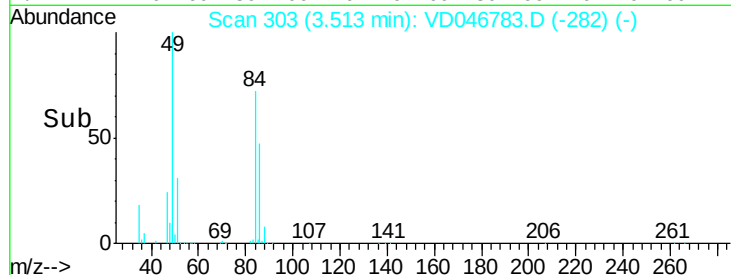
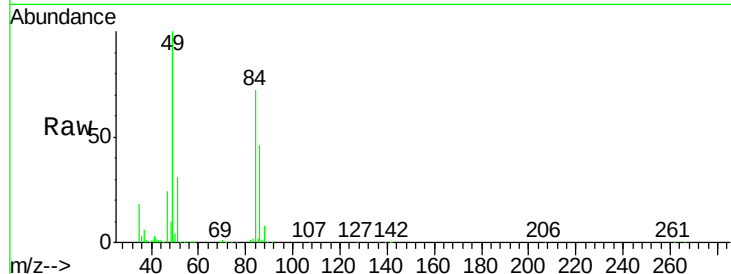
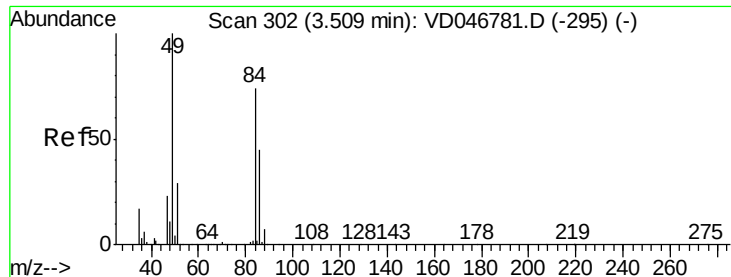
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#20
Methyl tert-butyl Ether
Concen: 156.57 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

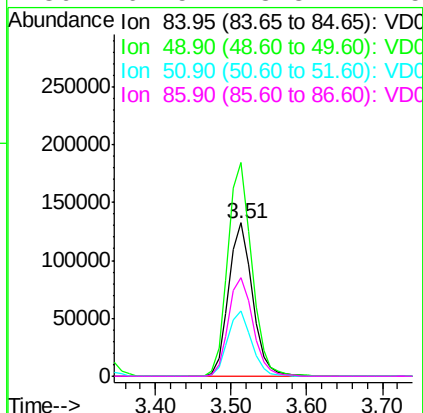
Tgt Ion	Ratio	Lower	Upper
73	100		
57	20.0	18.1	27.1





#21
Methylene Chloride
Concen: 132.46 ug/l
RT: 3.51 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

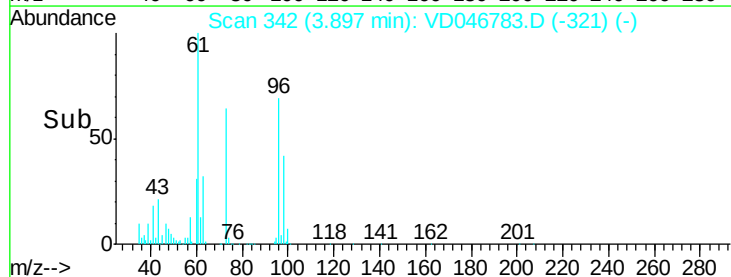
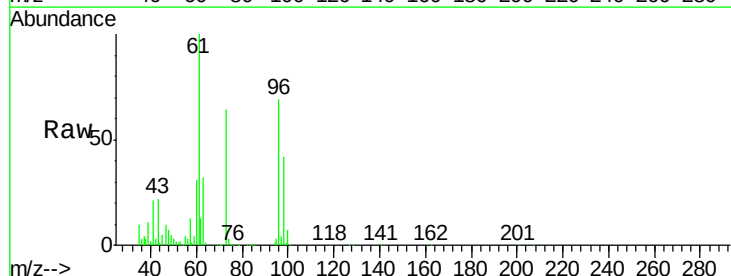
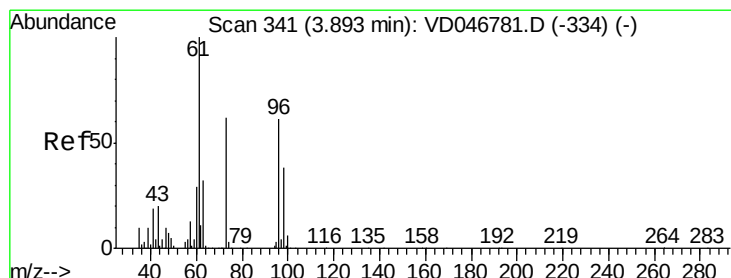
Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	139.2	288837	122.1	183.1
51	42.7		33.6	50.4
86	64.5		48.3	72.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

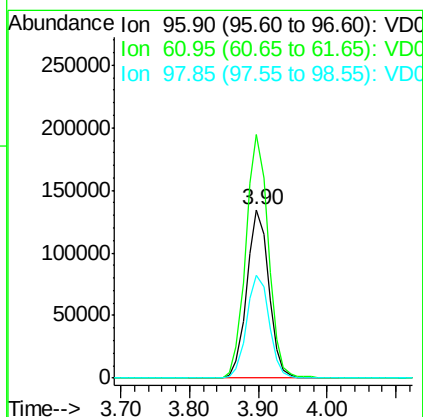
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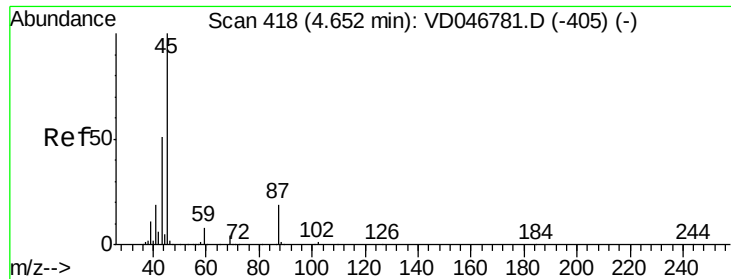
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#22
trans-1,2-Dichloroethene
Concen: 143.16 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.3	300911	125.8	188.6
98	61.2		54.5	81.7





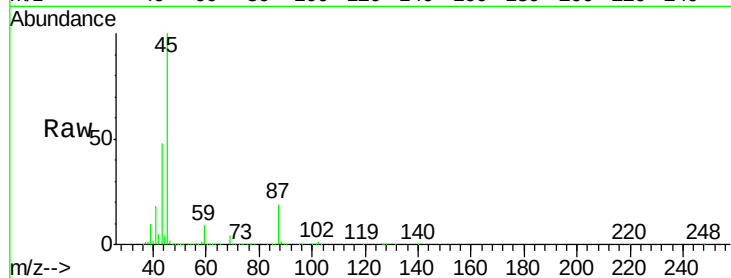
#23
Diisopropyl ether
Concen: 151.84 ug/l
RT: 4.67 min Scan# 420
Delta R.T. 0.01 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

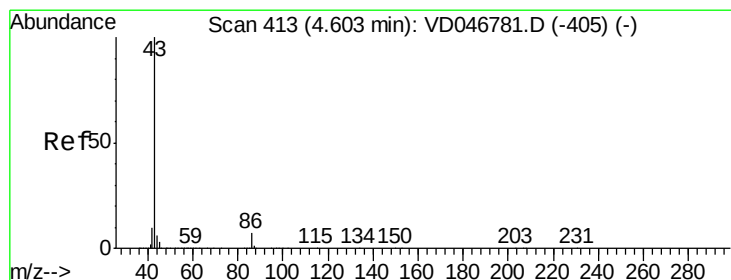
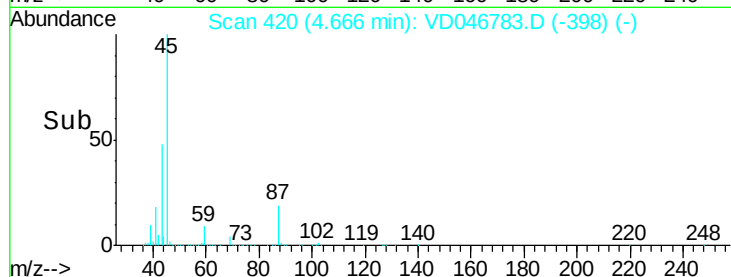
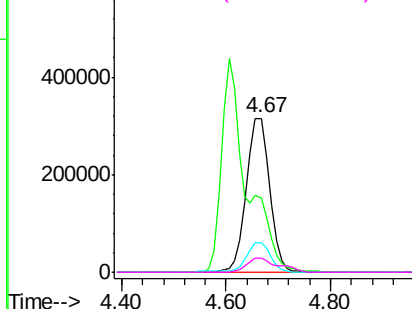
Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	47.8	35.9	53.9	
87	19.4	13.0	19.6	
59	9.3	7.0	10.6	

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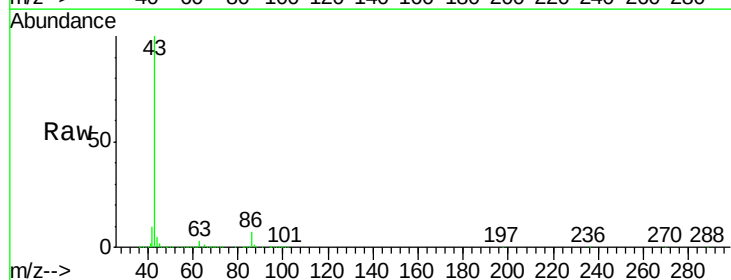


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

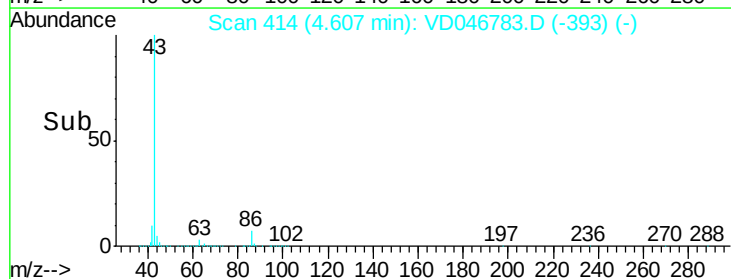
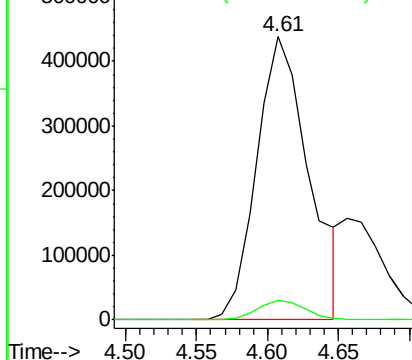


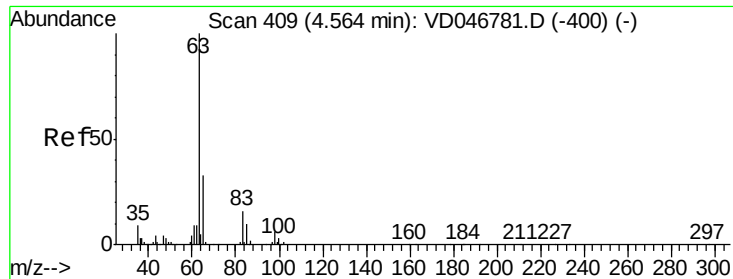
#24
Vinyl Acetate
Concen: 889.02 ug/l m
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.2	4.9	7.3	



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC





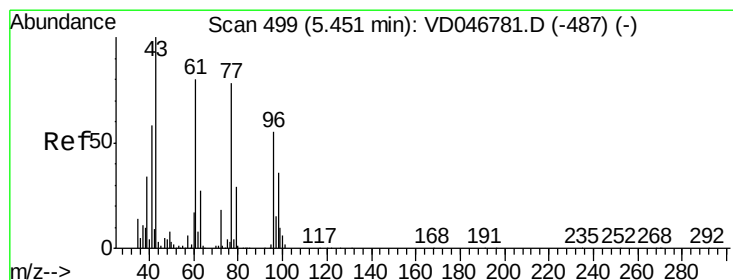
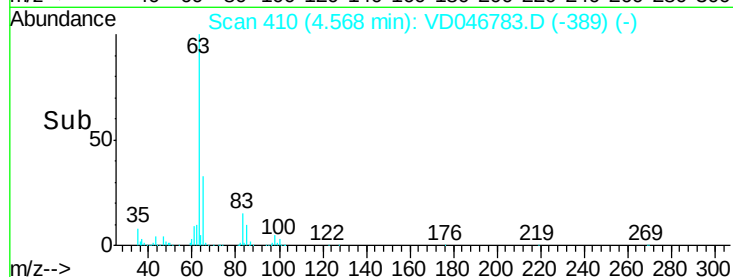
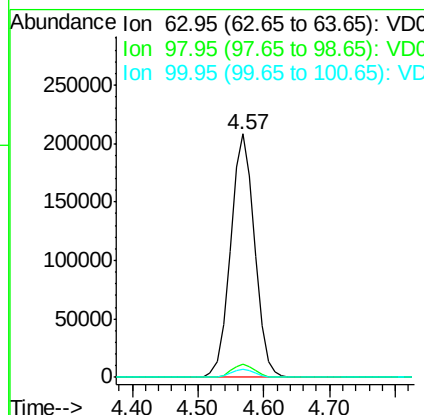
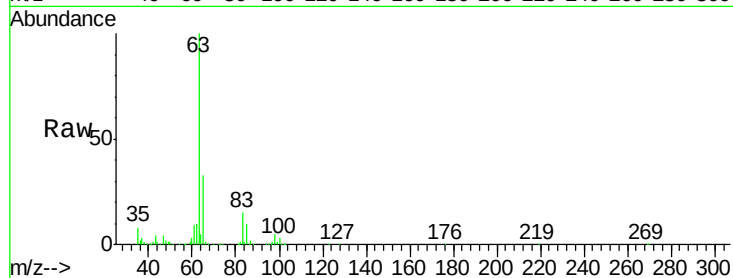
#25
 1,1-Dichloroethane
 Concen: 140.01 ug/l
 RT: 4.57 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	5.3	2.5	7.5
100	3.5	1.5	4.5

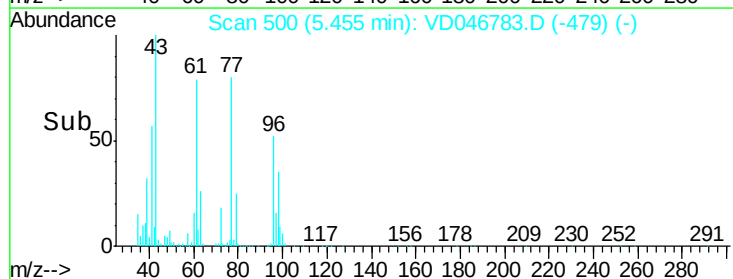
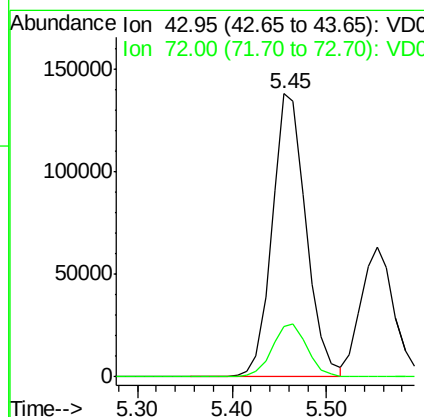
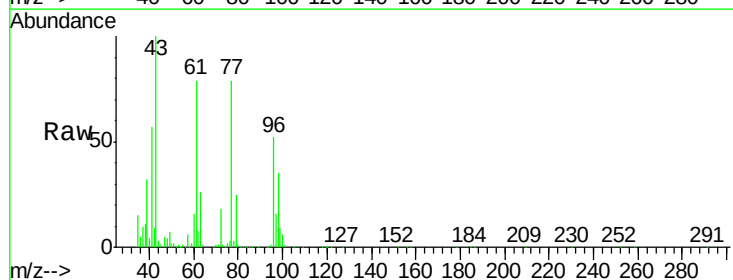
Manual Integrations
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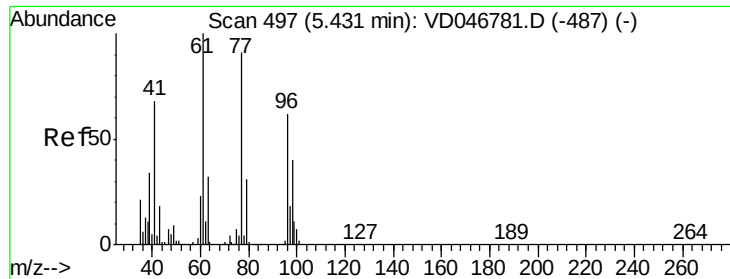
MMDadoda
 9/21/2015 11:38:57 AM



#26
 2-Butanone
 Concen: 754.85 ug/l
 RT: 5.45 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	18.0	13.4	20.0





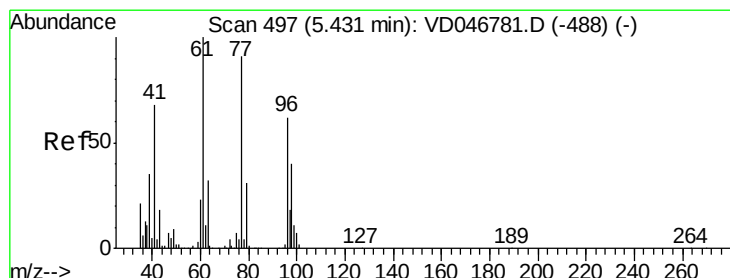
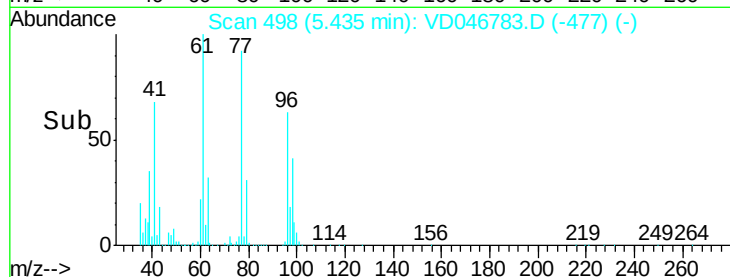
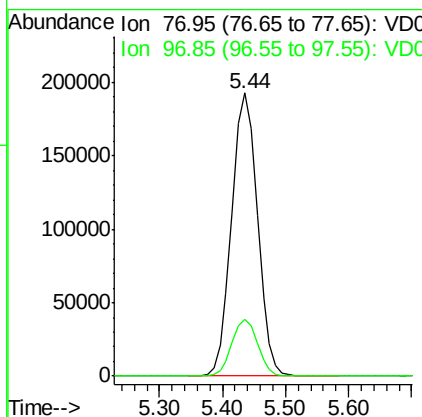
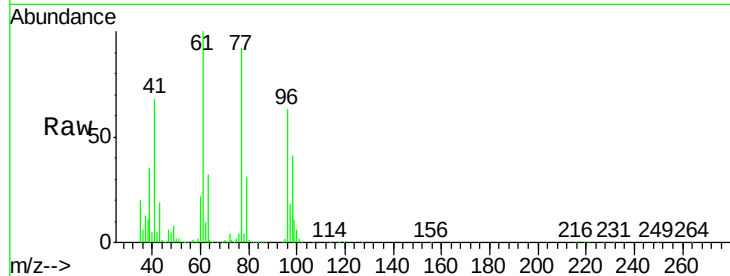
#27
 2,2-Dichloropropane
 Concen: 139.76 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 77 Resp: 548794
 Ion Ratio Lower Upper
 77 100
 97 19.9 10.4 31.1

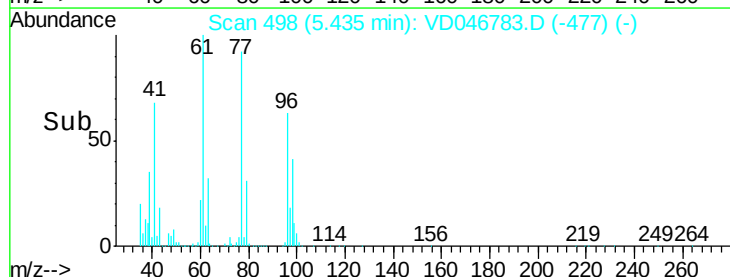
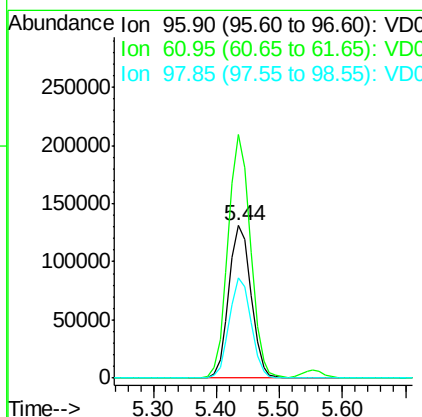
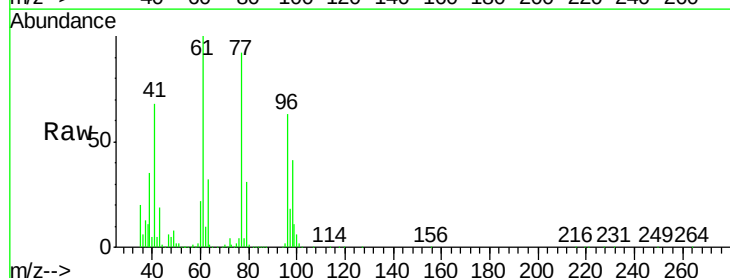
Manual Integrations
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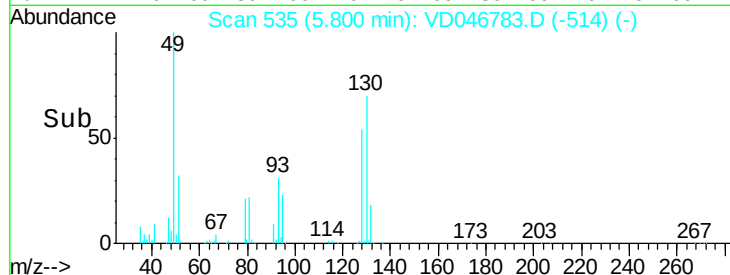
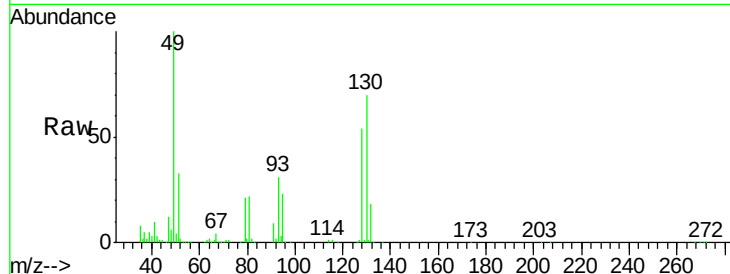
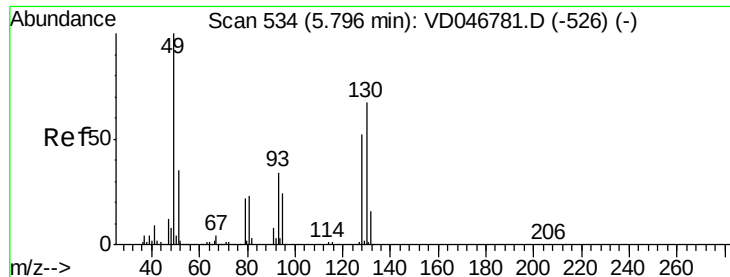
MMDadoda
 9/21/2015 11:38:57 AM



#28
 cis-1,2-Dichloroethene
 Concen: 147.19 ug/l
 RT: 5.44 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion: 96 Resp: 320268
 Ion Ratio Lower Upper
 96 100
 61 159.7 0.0 348.0
 98 65.6 0.0 128.8





#29

Bromochloromethane

Concen: 134.07 ug/l

RT: 5.80 min Scan# 535

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion:	49	Resp:	205740
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	2.8
130	70.0	50.2	75.4

Instrument :

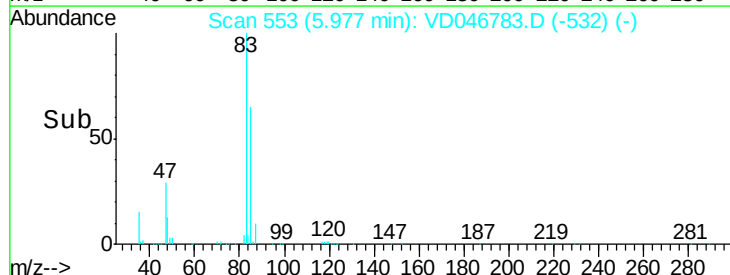
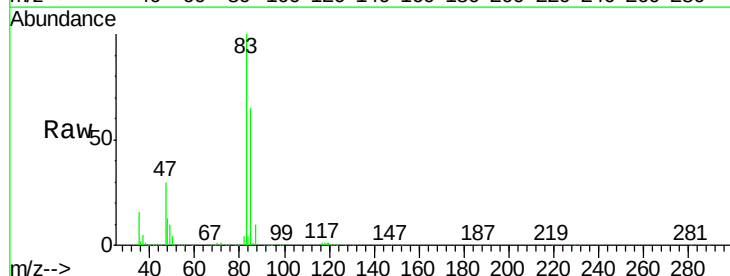
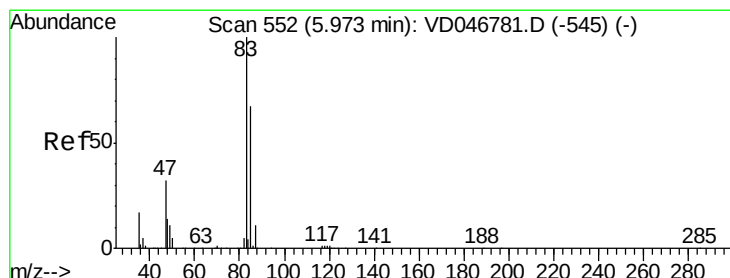
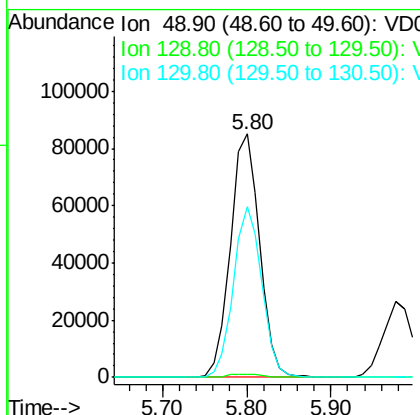
MSVOA_D

ClientSampleId :

VSTDIC150

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#30

Chloroform

Concen: 136.77 ug/l

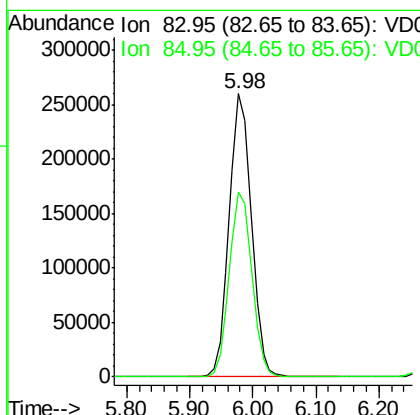
RT: 5.98 min Scan# 553

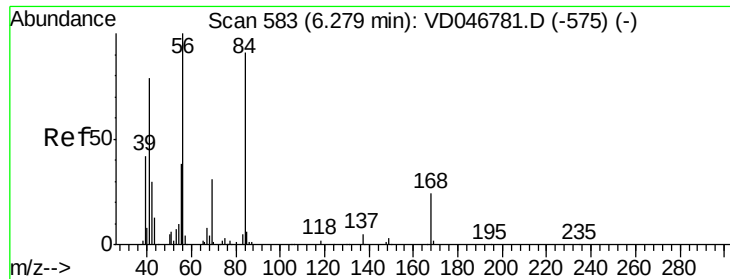
Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion:	83	Resp:	634569
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.5	78.7





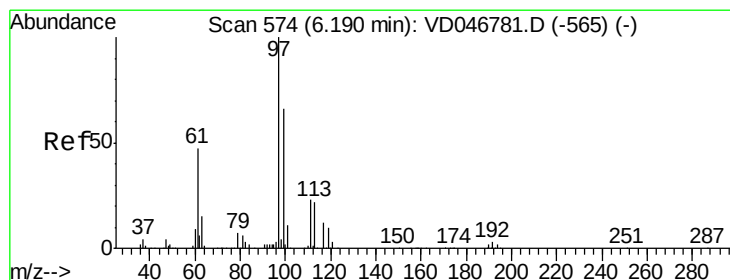
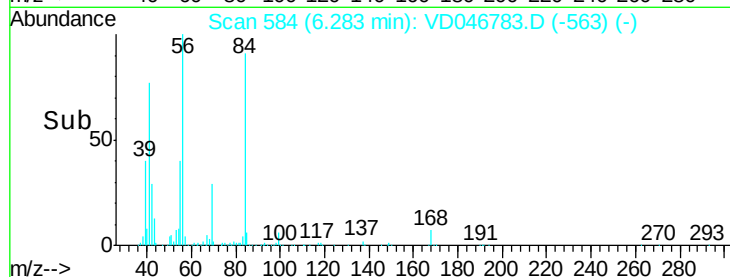
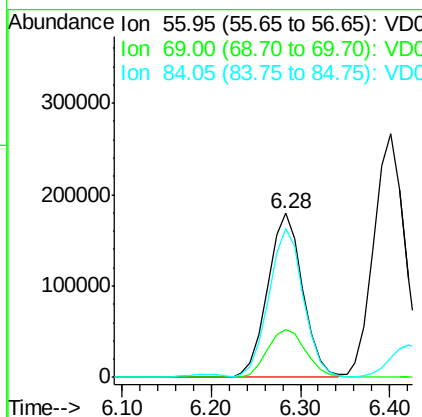
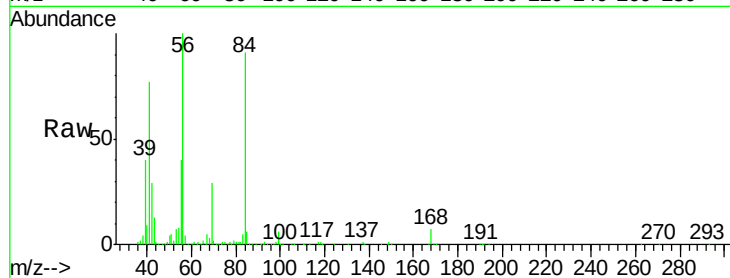
#31
Cyclohexane
Concen: 137.35 ug/l
RT: 6.28 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.0
84	90.8	63.8	95.8

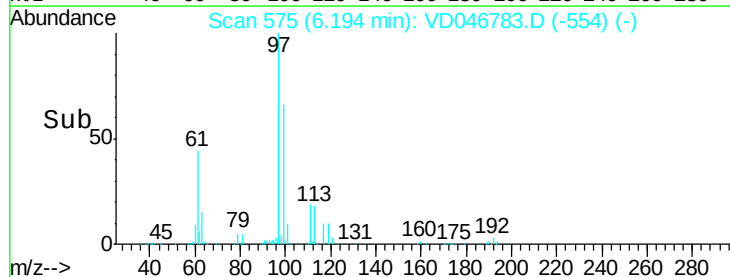
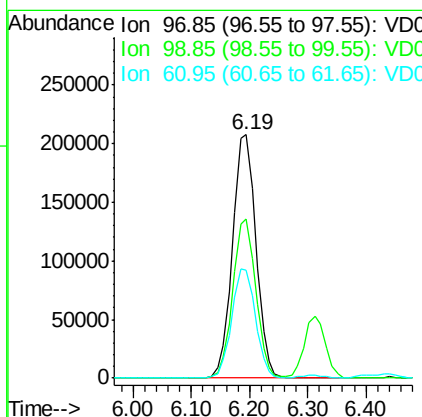
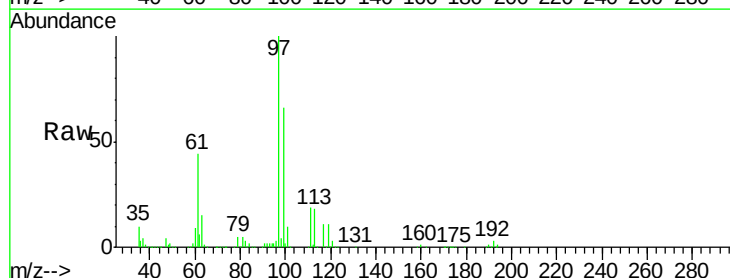
Manual Integrations
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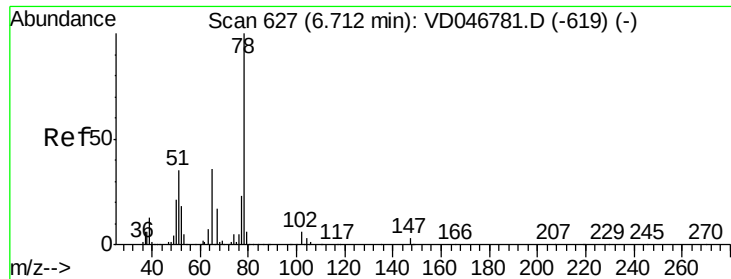
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#32
1,1,1-Trichloroethane
Concen: 142.25 ug/l
RT: 6.19 min Scan# 575
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.2	75.4
61	44.4	38.6	57.8





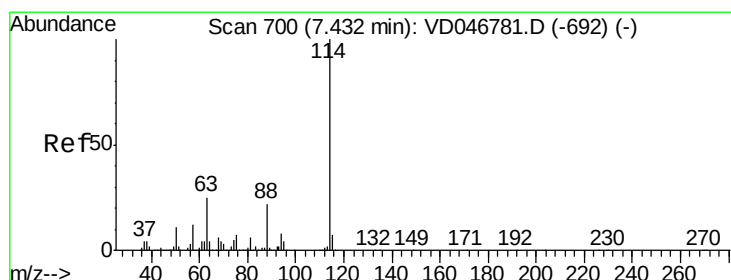
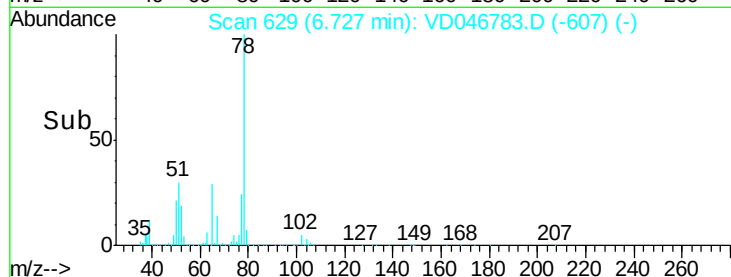
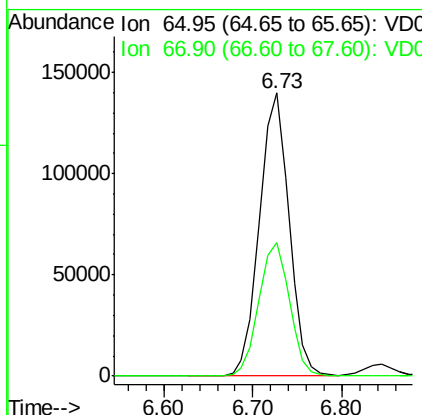
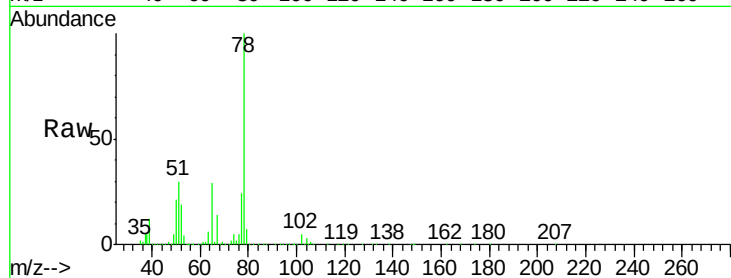
#33
 1,2-Dichloroethane-d4
 Concen: 142.25 ug/l
 RT: 6.73 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 65 Resp: 320277
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 105.4

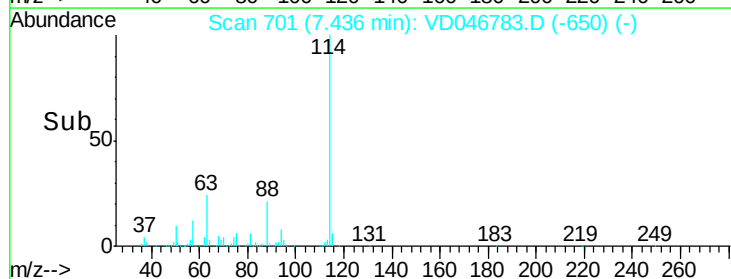
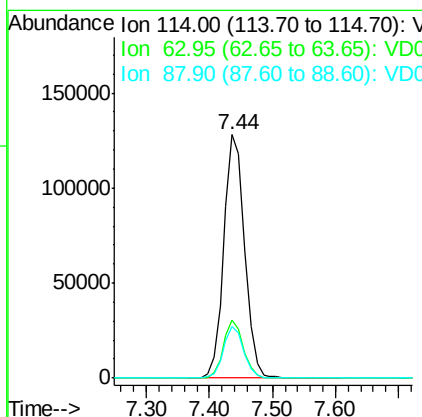
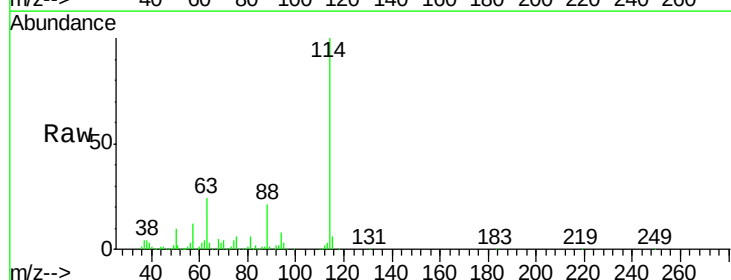
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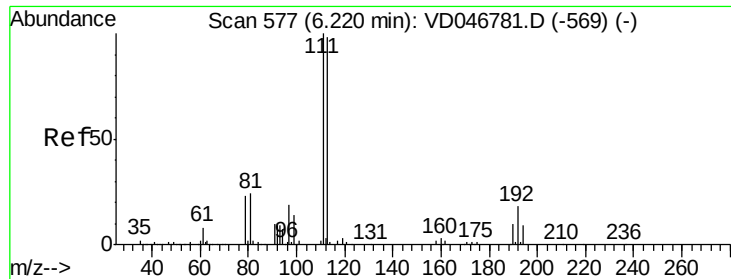
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion: 114 Resp: 293152
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.8
 88 21.1 0.0 43.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.22 min Scan# 578

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

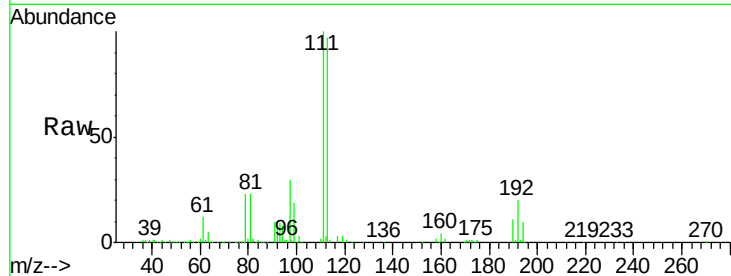
ClientSampleId :

VSTDIC150

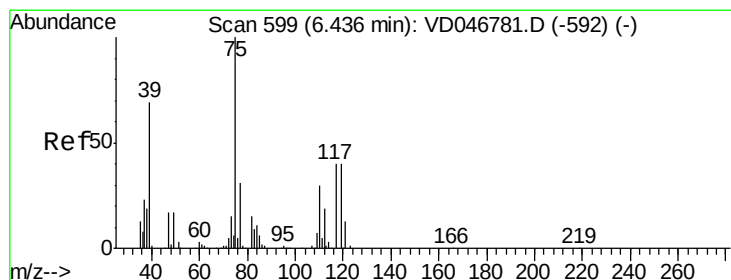
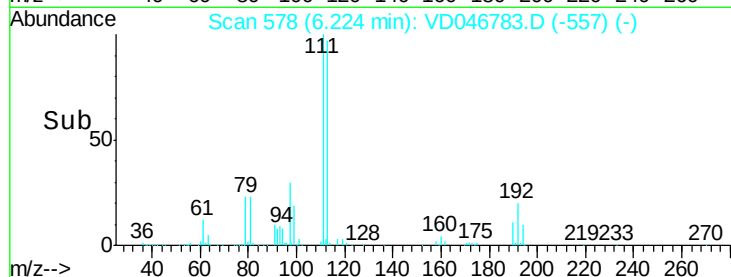
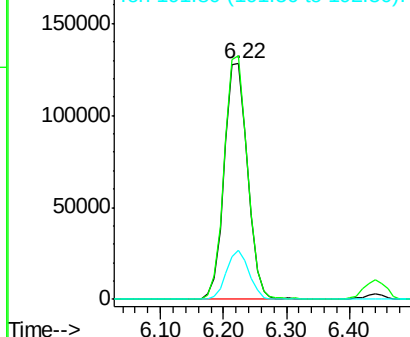
Tgt Ion:	113	Resp:	328556
Ion Ratio	Lower	Upper	
113	100		
111	103.3	79.4	119.0
192	20.6	14.6	22.0

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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 139.32 ug/l

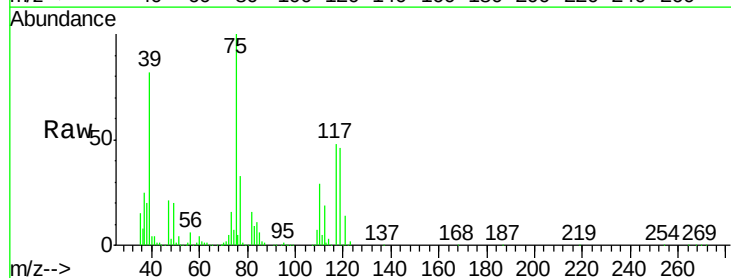
RT: 6.44 min Scan# 600

Delta R.T. 0.00 min

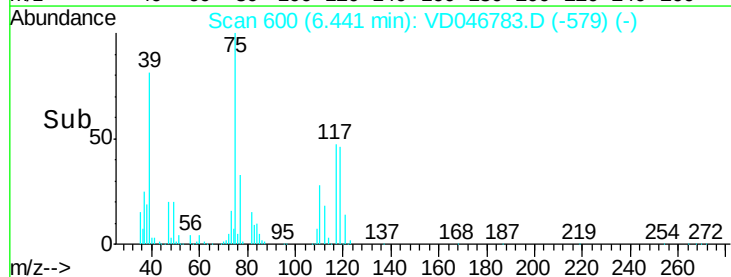
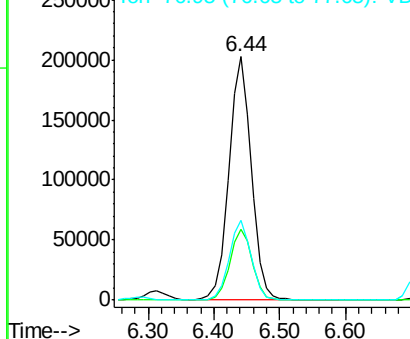
Lab File: VD046783.D

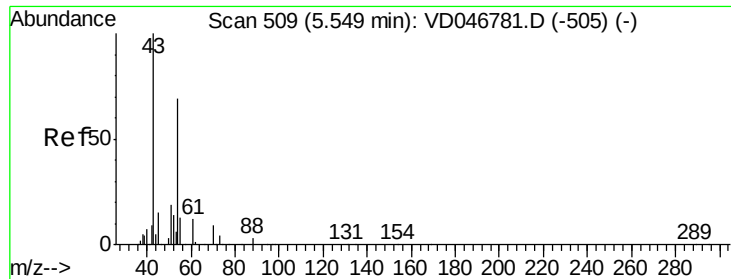
Acq: 18 Sep 2015 15:05

Tgt Ion:	75	Resp:	480405
Ion Ratio	Lower	Upper	
75	100		
110	29.2	13.7	41.0
77	32.8	24.7	37.1



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





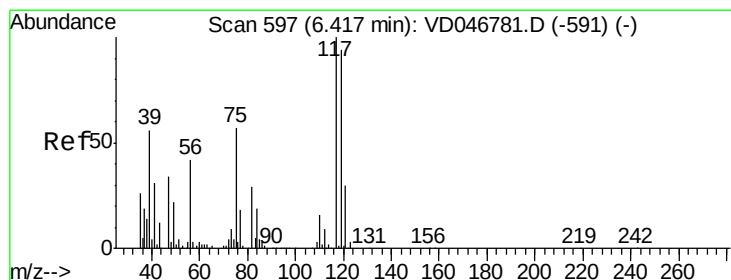
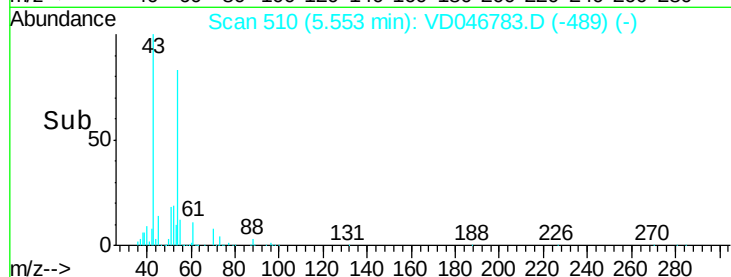
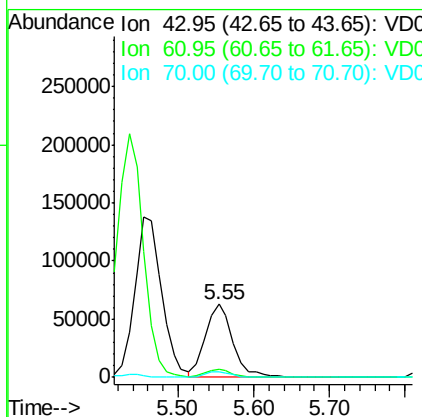
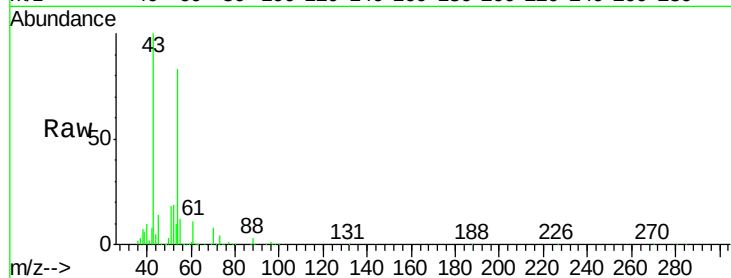
#37
Ethyl Acetate
Concen: 132.74 ug/l
RT: 5.55 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	158591		
61	10.9		9.4	14.2
70	8.3		6.0	9.0

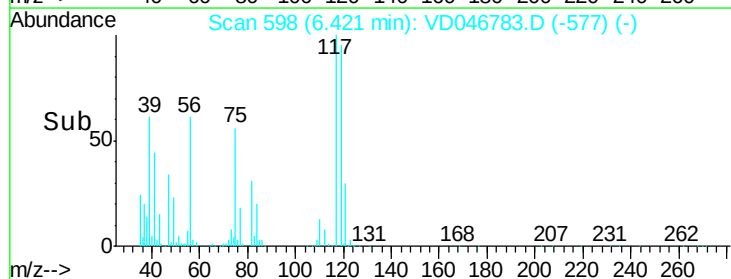
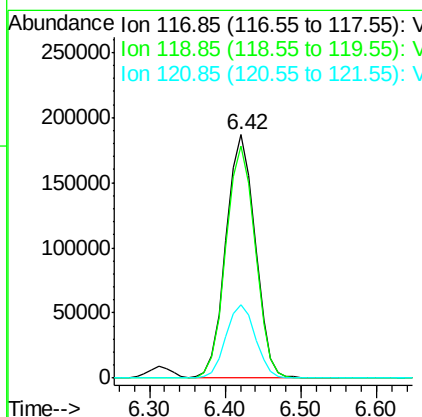
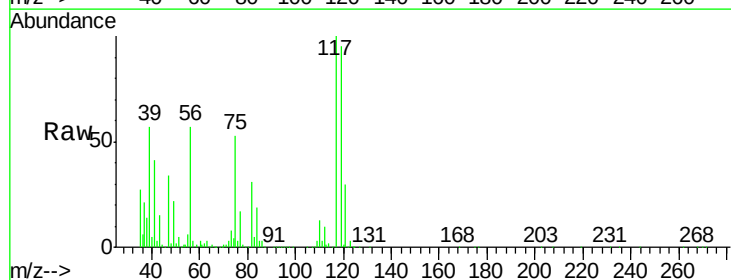
Manual Integrations
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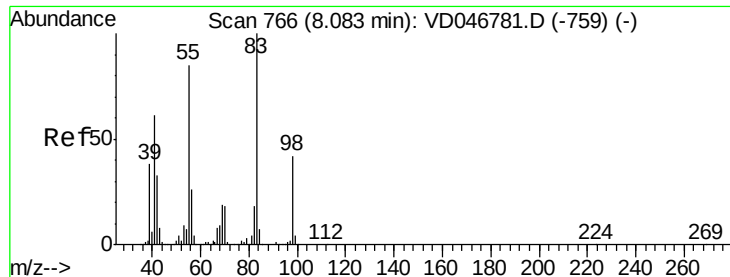
MMDadoda
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#38
Carbon Tetrachloride
Concen: 139.34 ug/l
RT: 6.42 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	497925		
119	95.4		76.2	114.4
121	30.0		24.5	36.7





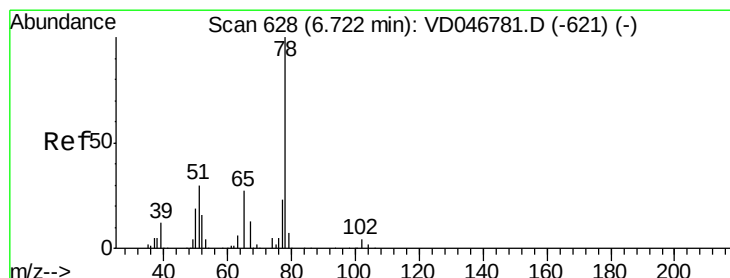
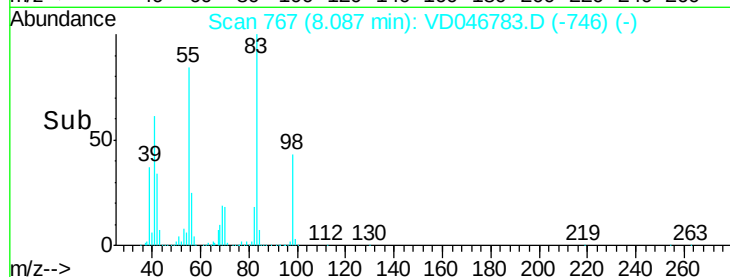
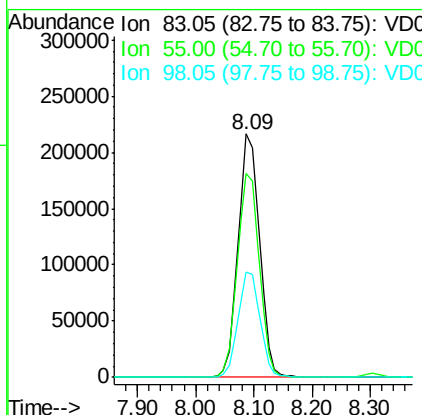
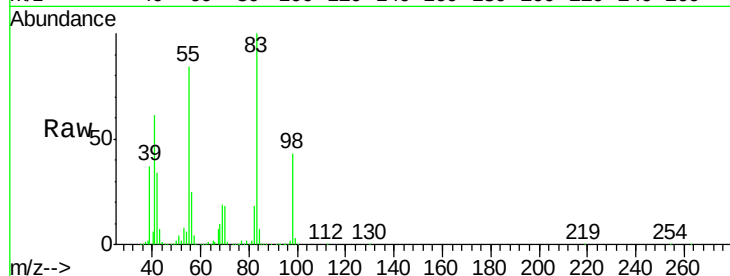
#39
Methylcyclohexane
Concen: 160.51 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	559475		
55	83.9	71.1	106.7	
98	43.2	34.6	51.8	

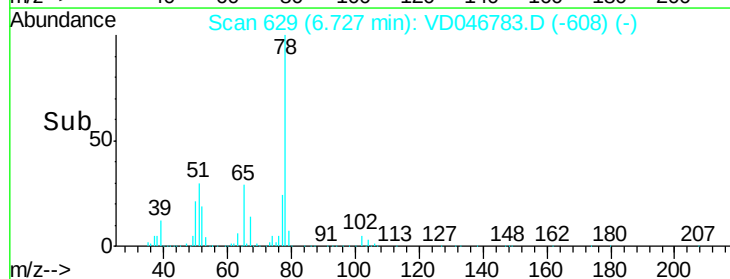
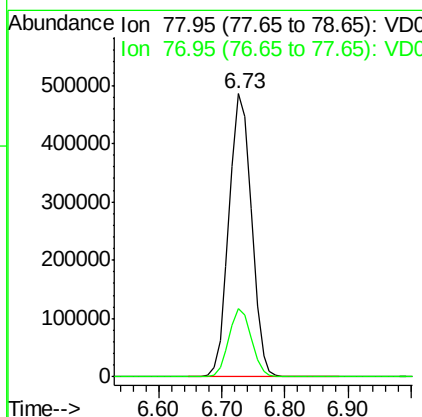
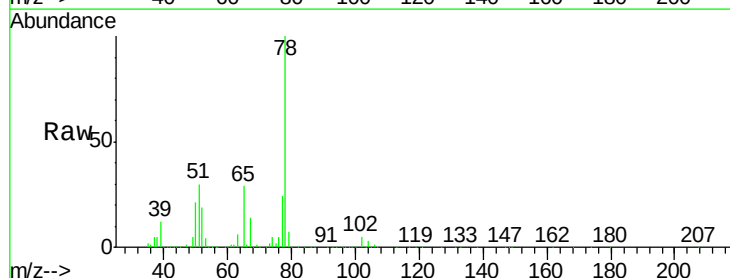
Manual Integrations
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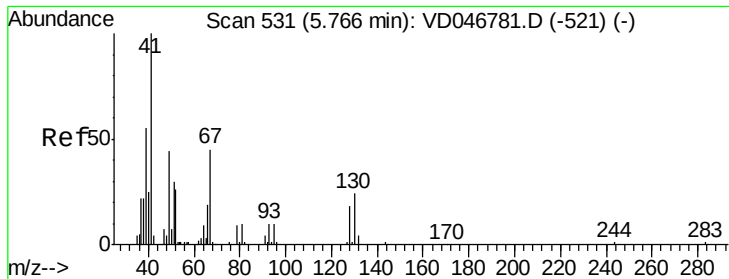
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#40
Benzene
Concen: 135.06 ug/l
RT: 6.73 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1201759		
77	24.2	19.9	29.9	





#41

Methacrylonitrile

Concen: 162.38 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

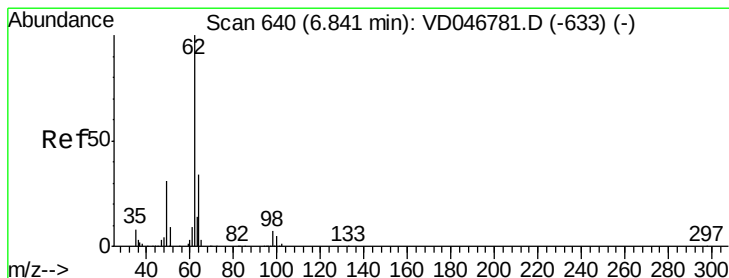
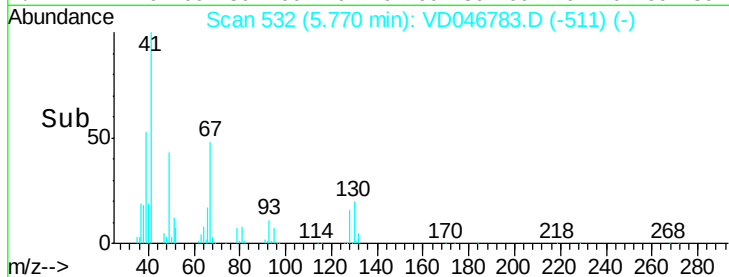
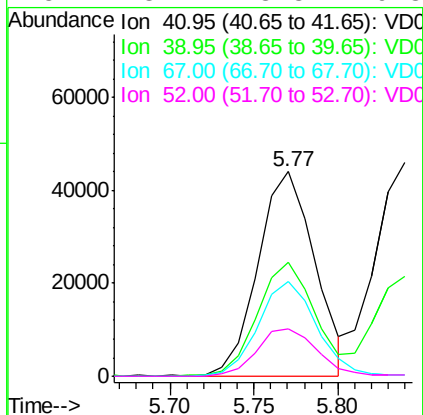
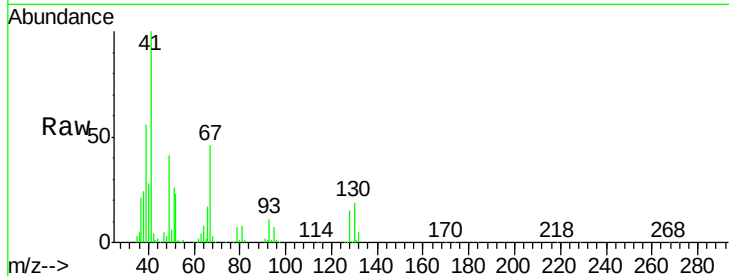
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.7	40.2	60.4
67	46.3	32.0	48.0
52	23.4	13.8	20.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 137.44 ug/l

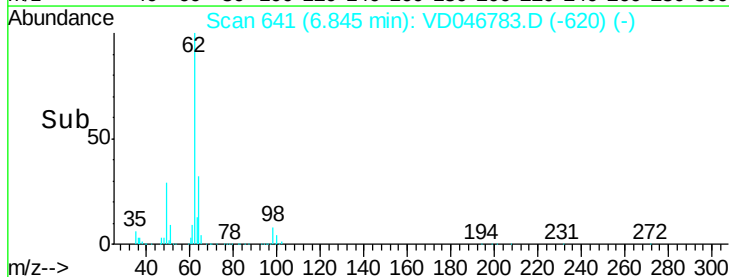
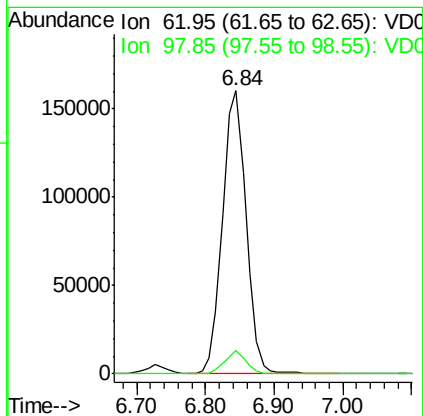
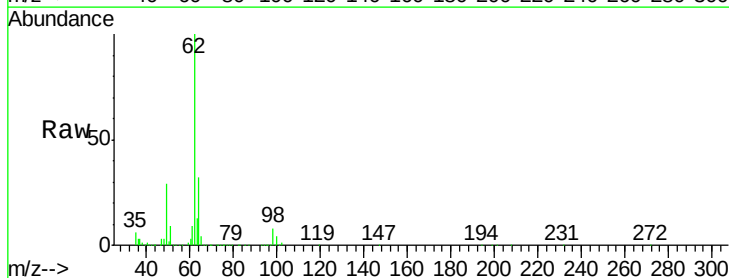
RT: 6.84 min Scan# 641

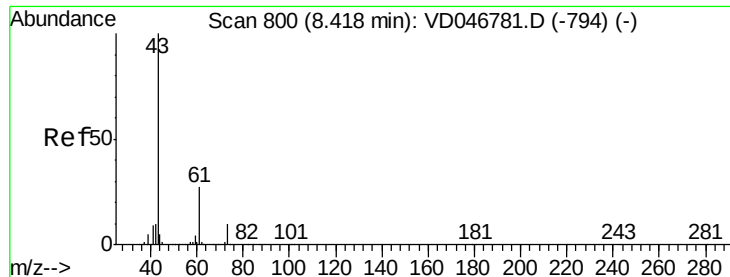
Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 172.71 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

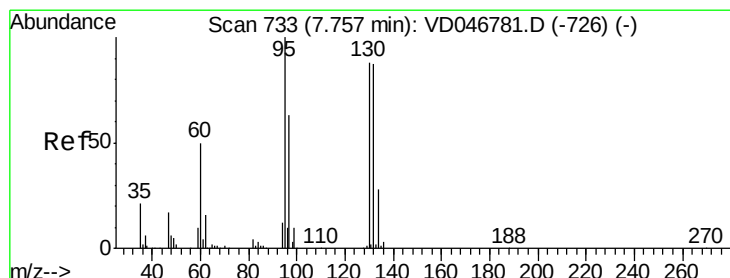
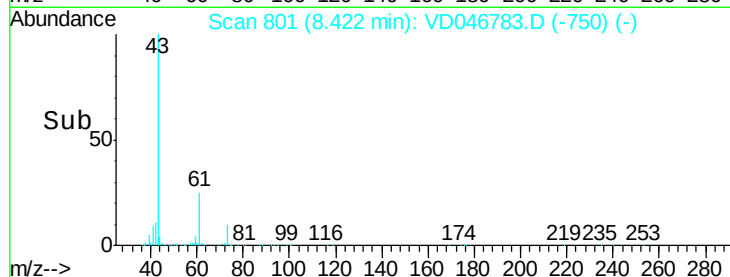
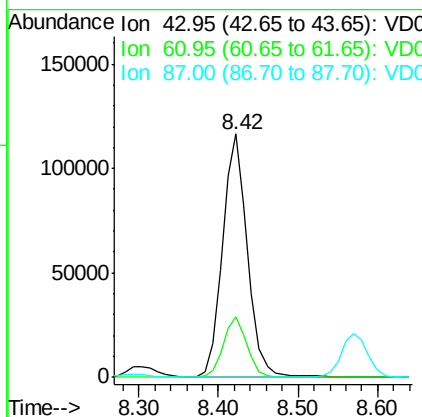
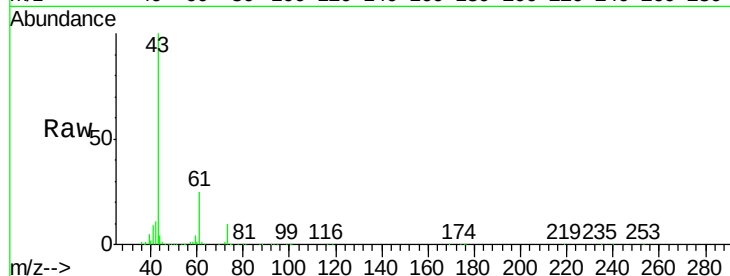
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	253759
Ion	Ratio	Lower	Upper
43	100		
61	24.7	19.5	29.3
87	0.2	0.2	0.2

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#44

Trichloroethene

Concen: 148.10 ug/l

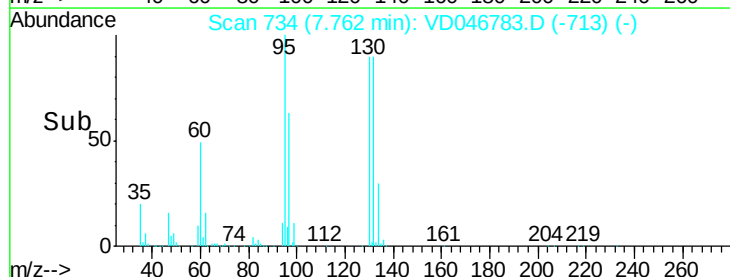
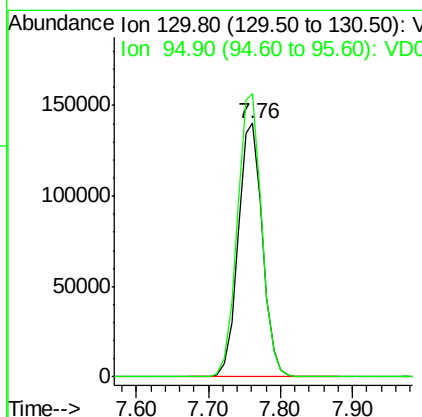
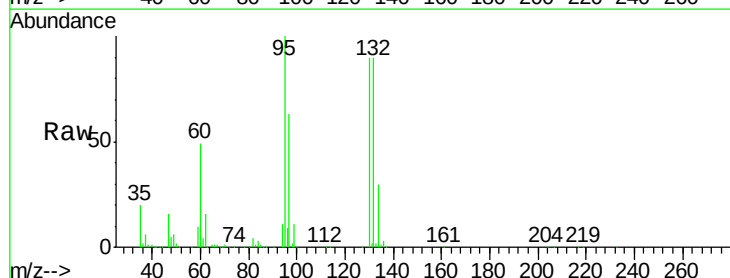
RT: 7.76 min Scan# 734

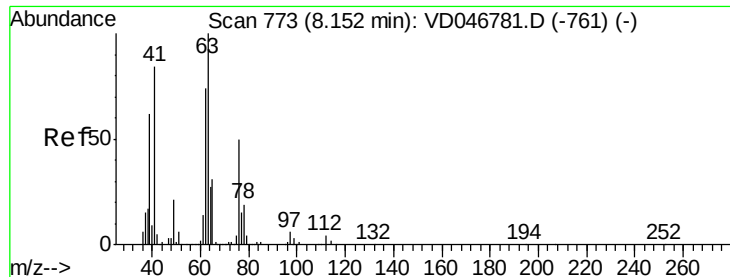
Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion:	130	Resp:	329951
Ion	Ratio	Lower	Upper
130	100		
95	111.7	0.0	229.4





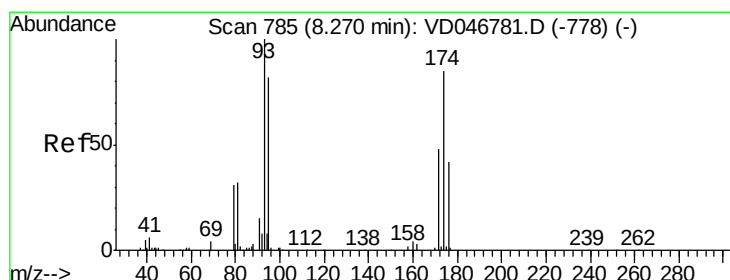
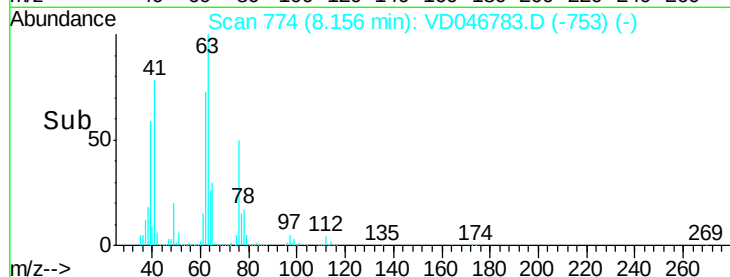
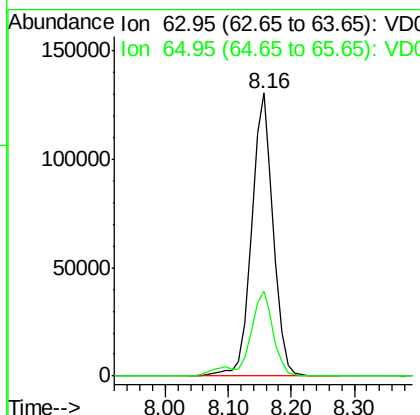
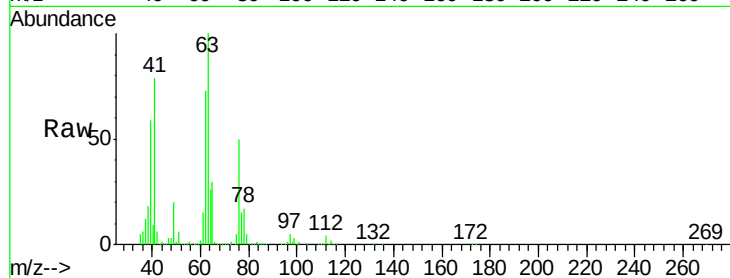
#45
 1,2-Dichloropropane
 Concen: 143.04 ug/l
 RT: 8.16 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.1	37.7

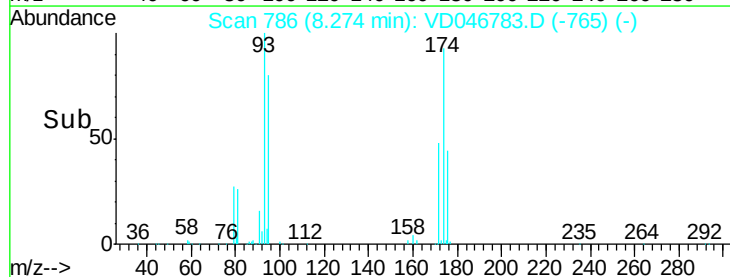
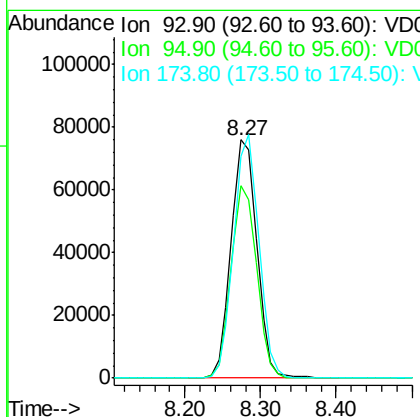
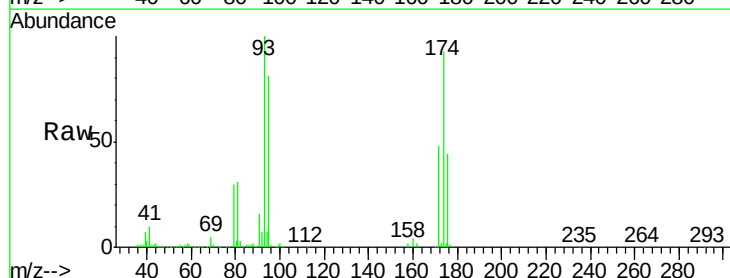
Manual Integrations
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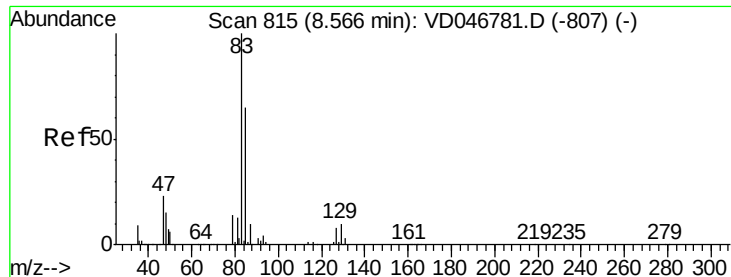
MMDadoda
 9/21/2015 11:38:57 AM



#46
 Dibromomethane
 Concen: 144.78 ug/l
 RT: 8.27 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.7	70.2	105.2
174	93.0	79.0	118.4





#47

Bromodichloromethane

Concen: 145.29 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

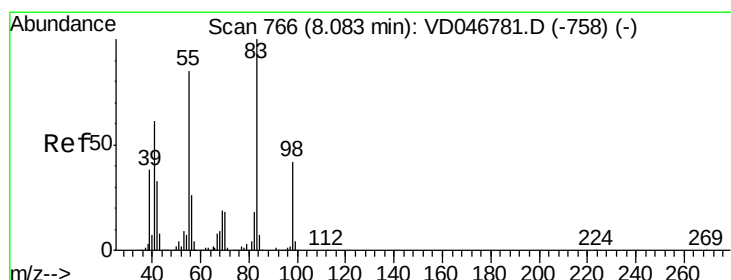
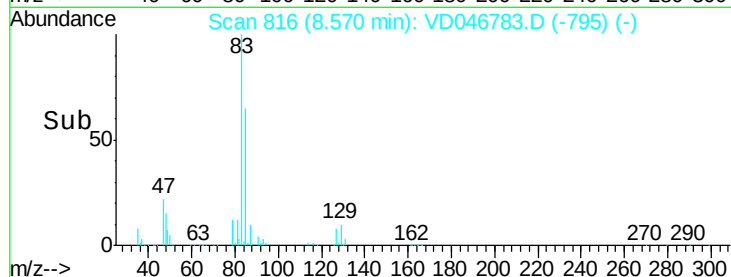
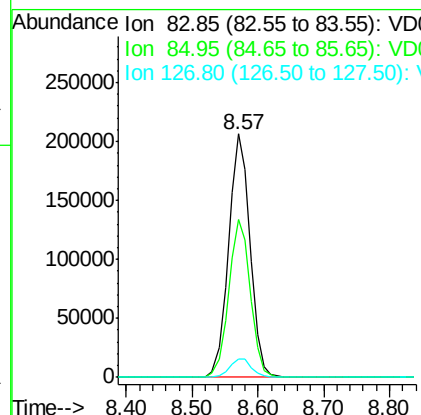
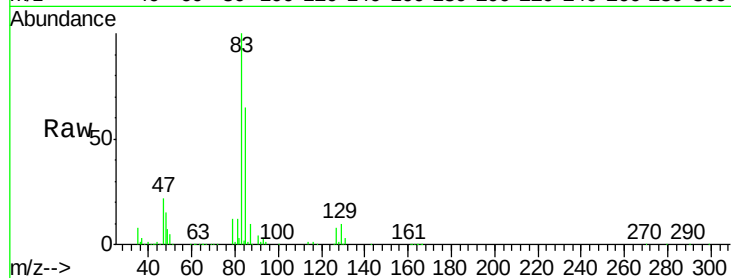
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	472404
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8
127	7.6	5.7	8.5

Manual Integrations
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9/21/2015 11:38:57 AM



#48

Methyl methacrylate

Concen: 153.02 ug/l

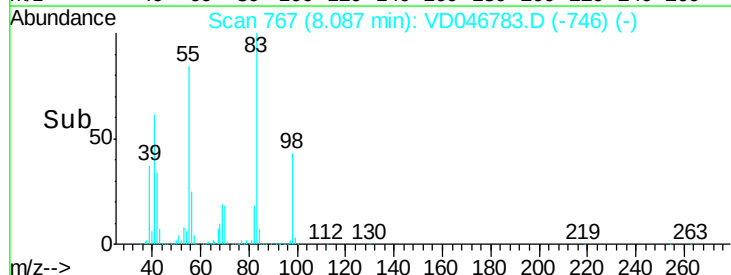
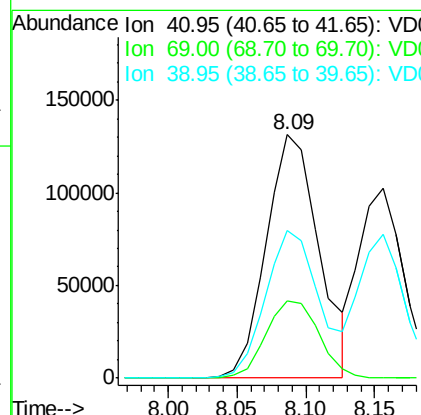
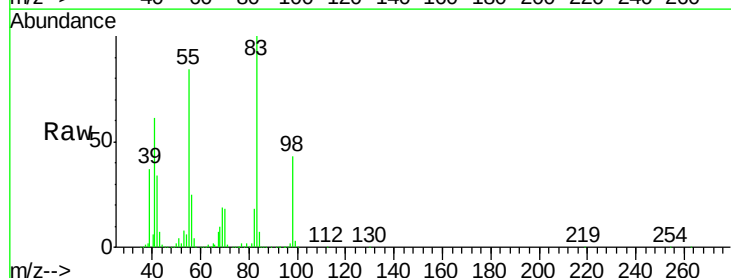
RT: 8.09 min Scan# 767

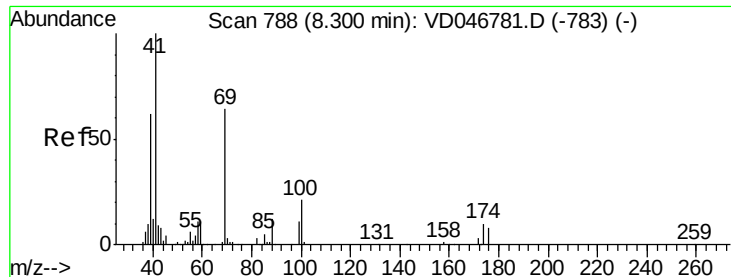
Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion:	41	Resp:	349024
Ion	Ratio	Lower	Upper
41	100		
69	31.5	25.3	37.9
39	60.9	47.4	71.0





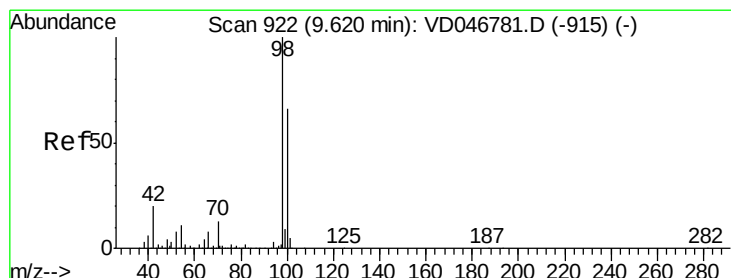
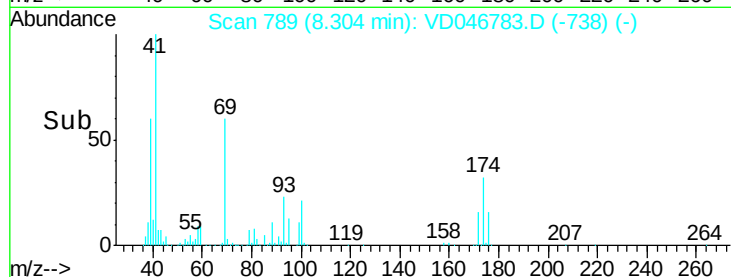
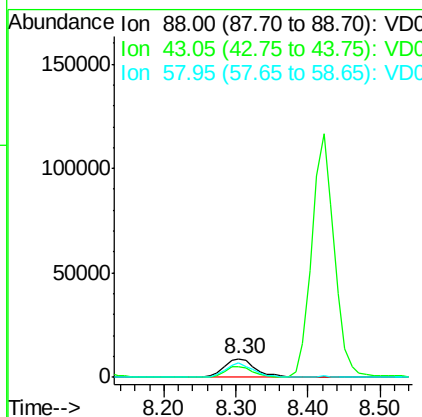
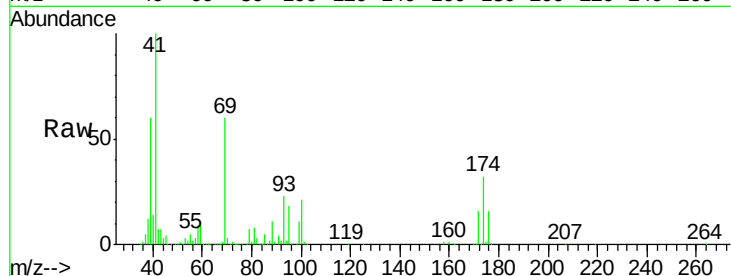
#49
1,4-Dioxane
Concen: 3298.58 ug/l
RT: 8.30 min Scan# 789
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	26600		
43	59.7	50.0	75.0	
58	78.2	48.3	72.5	

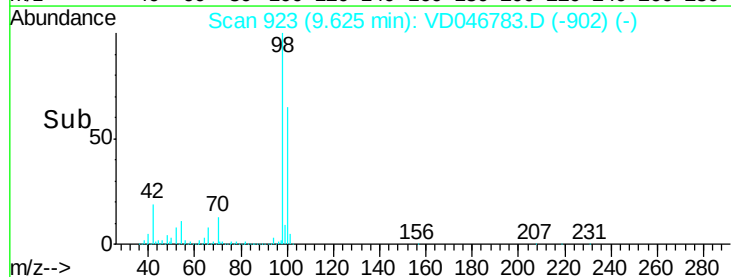
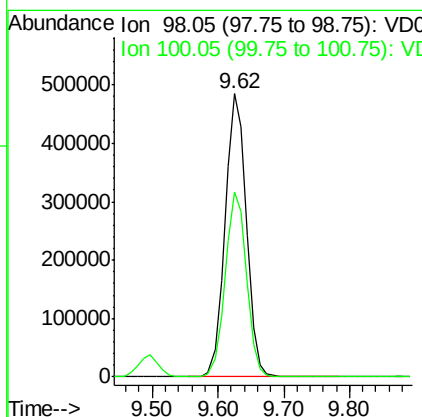
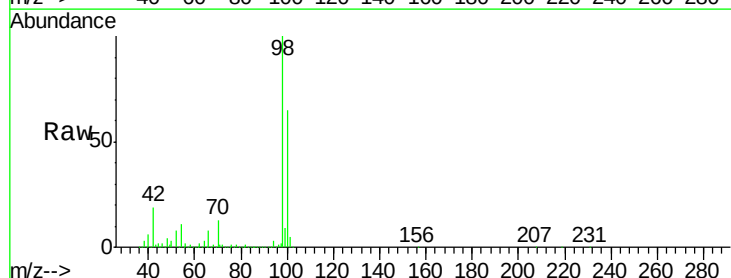
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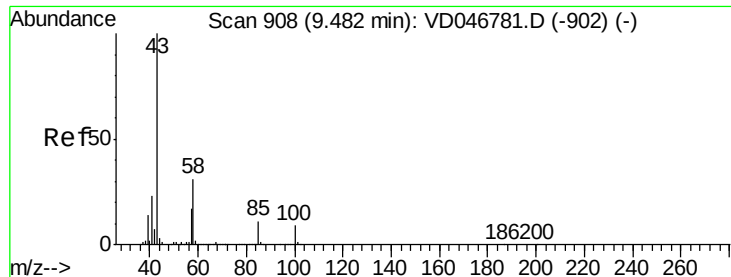
MMDadoda
9/21/2015 11:38:57 AM



#50
Toluene-d8
Concen: 3298.58 ug/l
RT: 9.62 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1100128		
100	65.1	49.9	74.9	





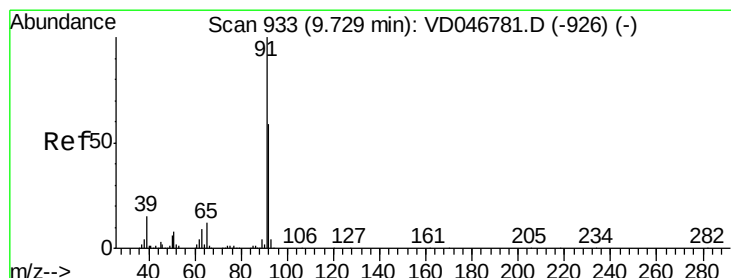
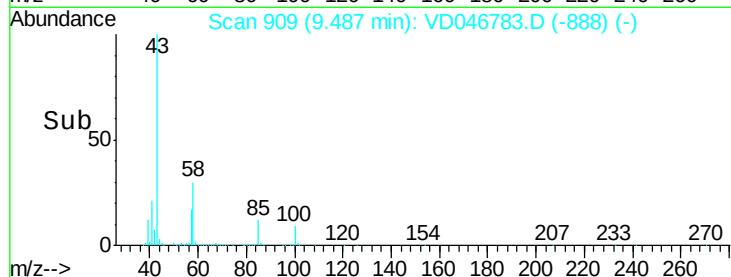
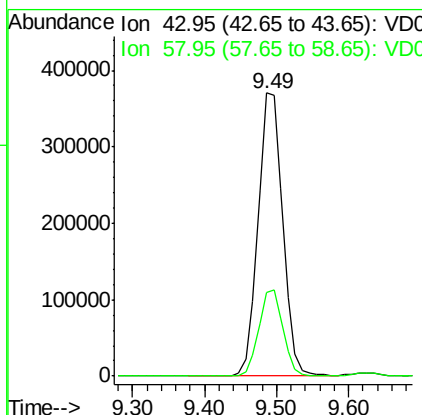
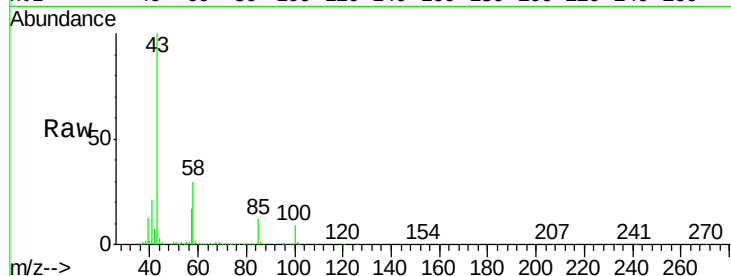
#51
 4-Methyl-2-Pentanone
 Concen: 837.62 ug/l
 RT: 9.49 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 886920
 Ion Ratio Lower Upper
 43 100
 58 29.7 22.2 33.2

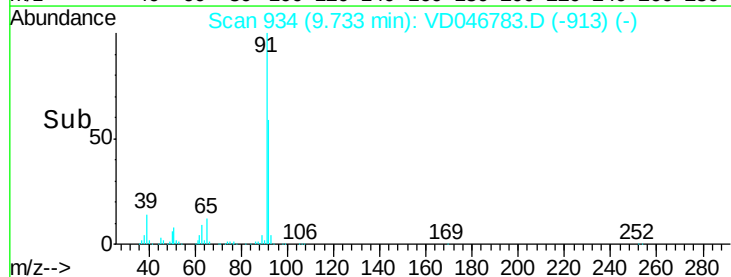
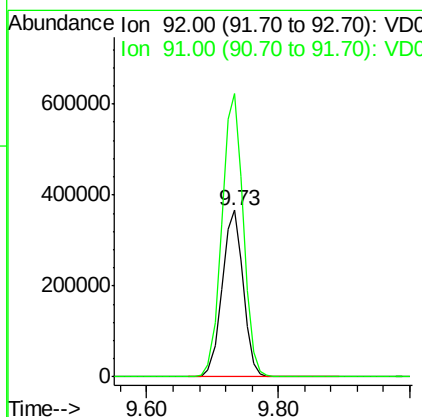
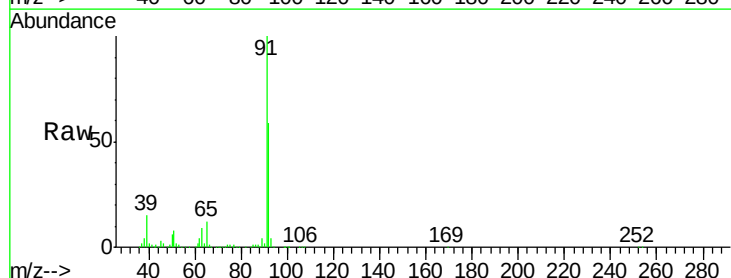
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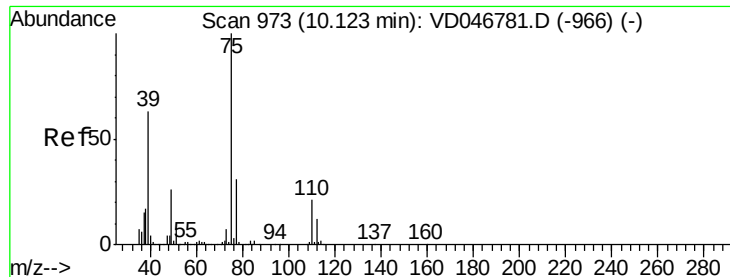
MMDadoda
 9/21/2015 11:38:57 AM



#52
 Toluene
 Concen: 148.63 ug/l
 RT: 9.73 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion: 92 Resp: 819208
 Ion Ratio Lower Upper
 92 100
 91 170.1 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 167.82 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 402060

Ion Ratio Lower Upper

75 100

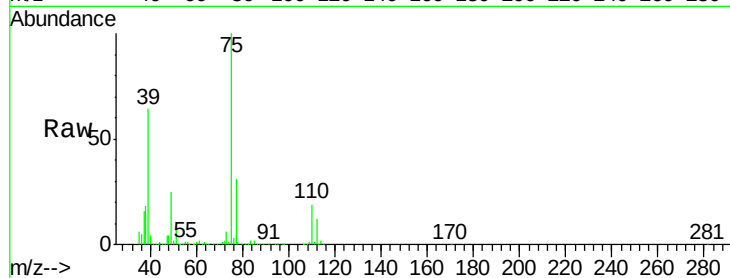
77 31.3 27.6 41.4

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.13

200000

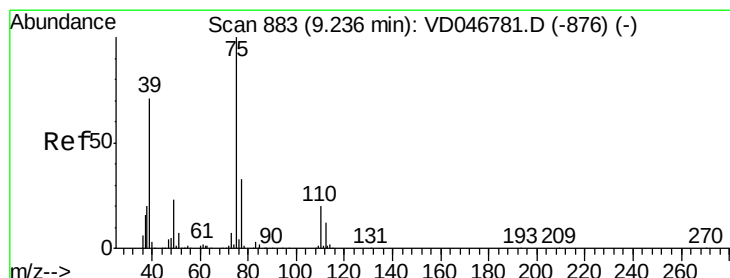
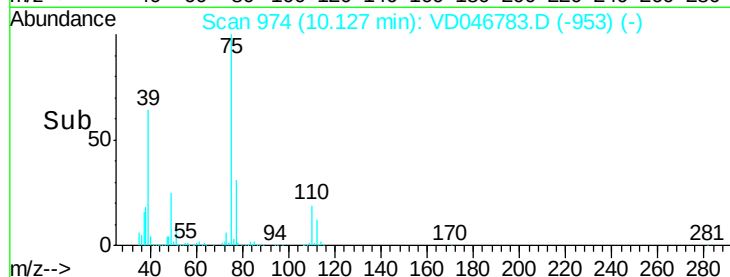
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 158.13 ug/l

RT: 9.24 min Scan# 884

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

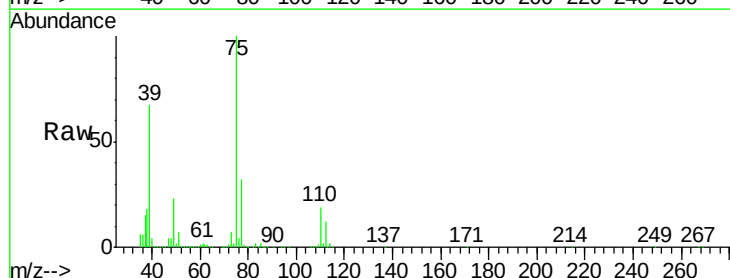
Tgt Ion: 75 Resp: 488838

Ion Ratio Lower Upper

75 100

77 31.8 23.8 35.6

39 66.9 53.0 79.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.24

300000

250000

200000

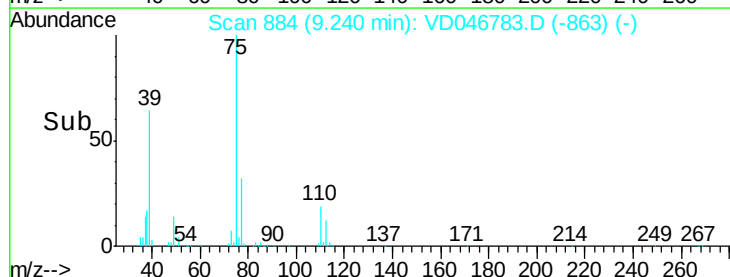
150000

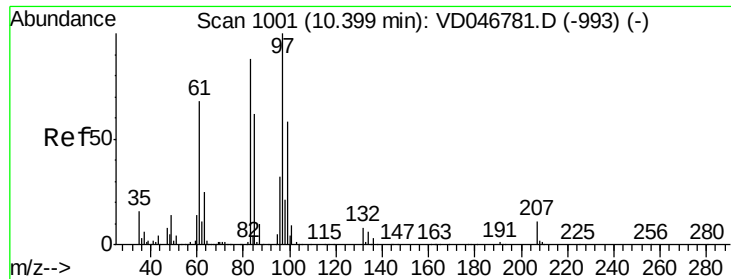
100000

50000

0

Time-->





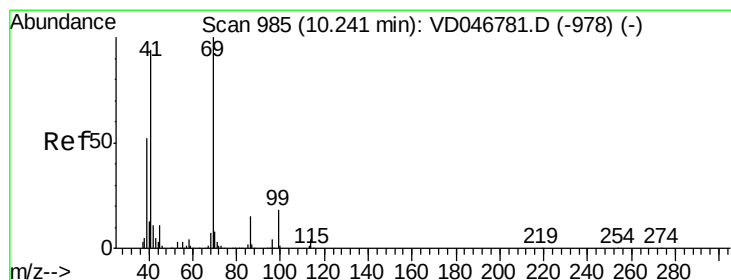
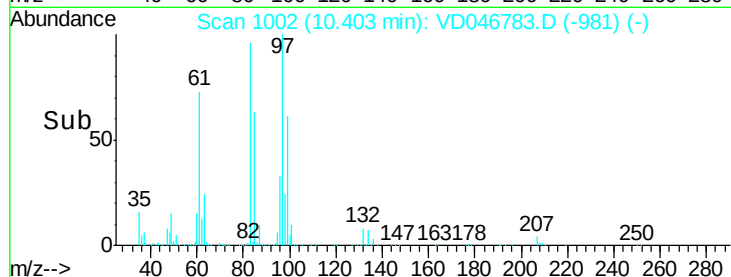
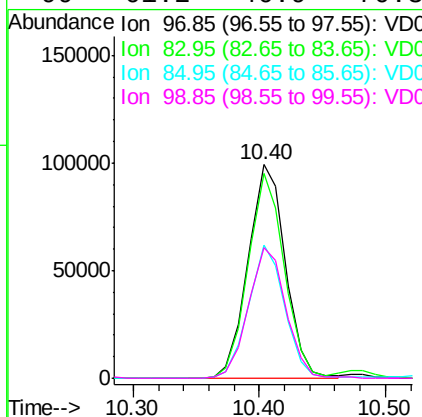
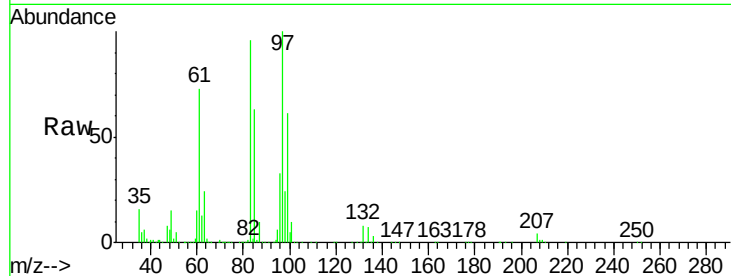
#55
 1,1,2-Trichloroethane
 Concen: 145.65 ug/l
 RT: 10.40 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	96.0	75.3	112.9
85	62.6	50.9	76.3
99	61.2	46.9	70.3

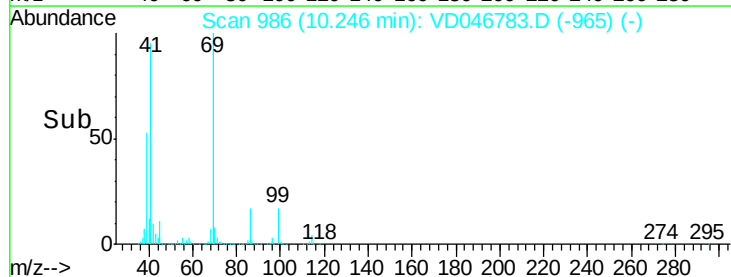
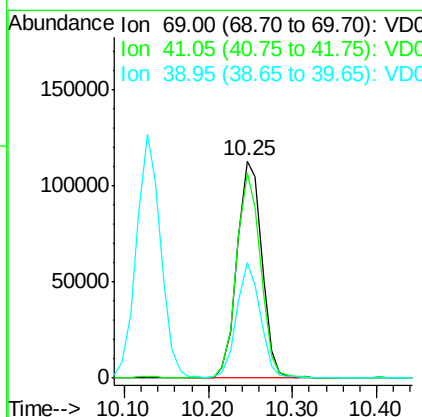
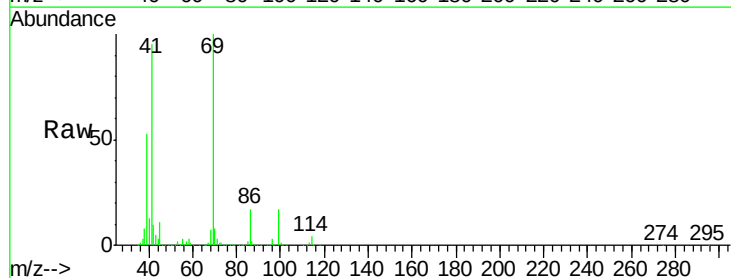
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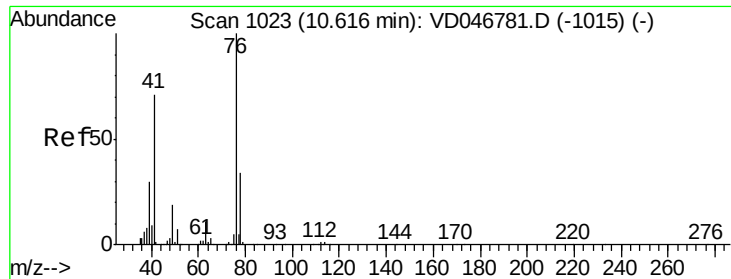
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#56
 Ethyl methacrylate
 Concen: 183.99 ug/l
 RT: 10.25 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	94.7	75.4	113.0
39	53.1	41.0	61.4





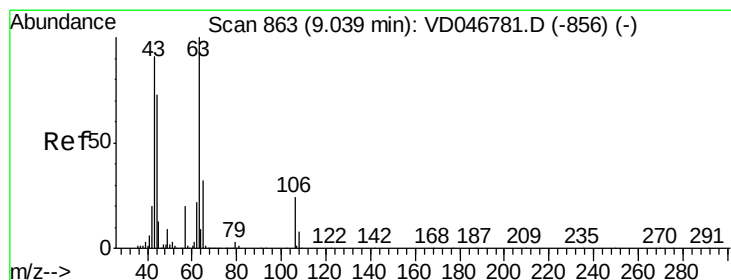
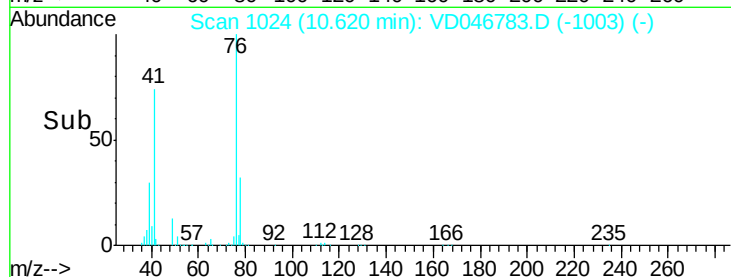
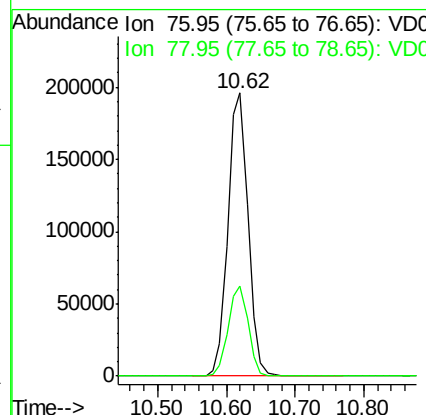
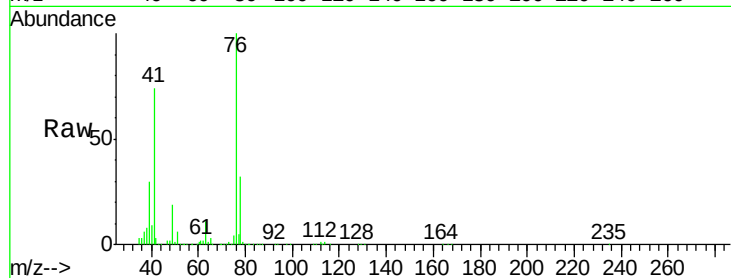
#57
 1,3-Dichloropropane
 Concen: 150.48 ug/l
 RT: 10.62 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 394592
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.6 39.8

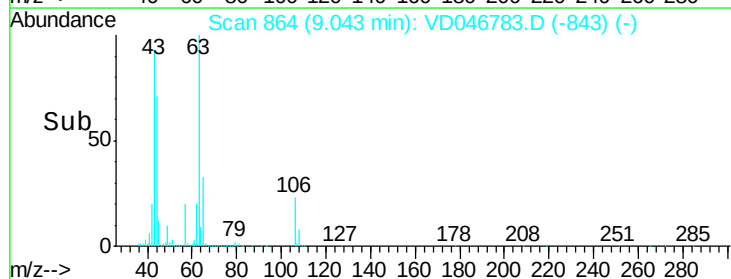
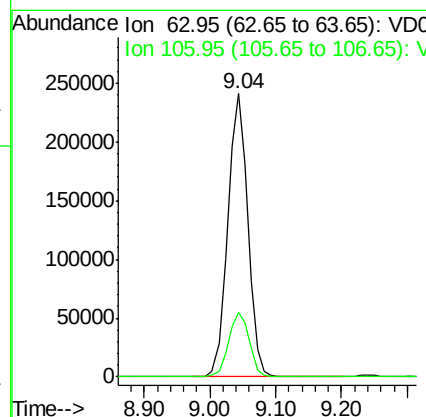
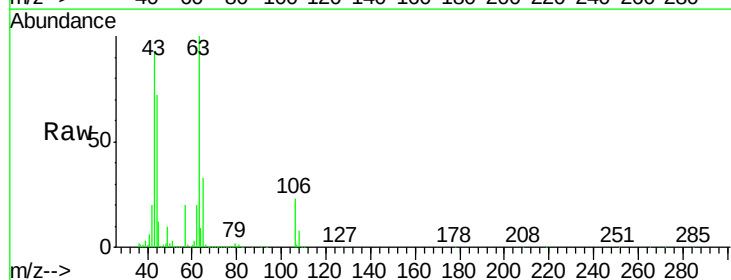
Manual Integrations
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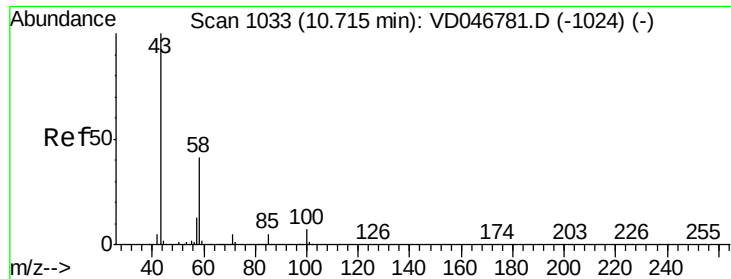
MMDadoda
 9/21/2015 11:38:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 811.27 ug/l
 RT: 9.04 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion: 63 Resp: 514058
 Ion Ratio Lower Upper
 63 100
 106 22.8 17.8 26.8





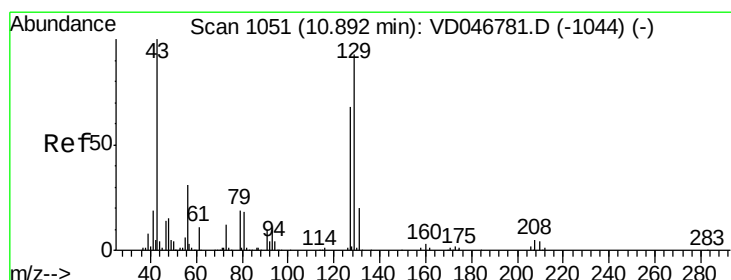
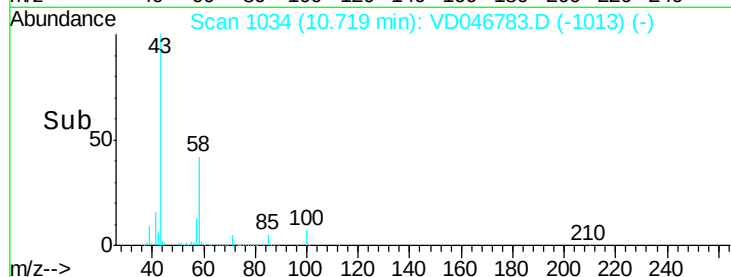
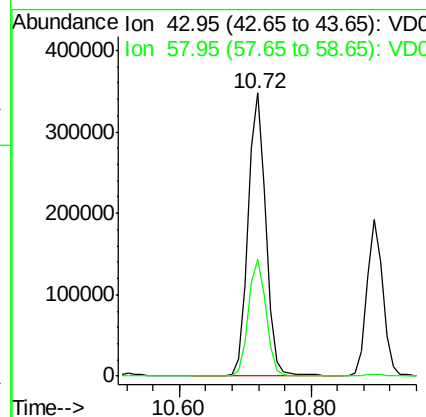
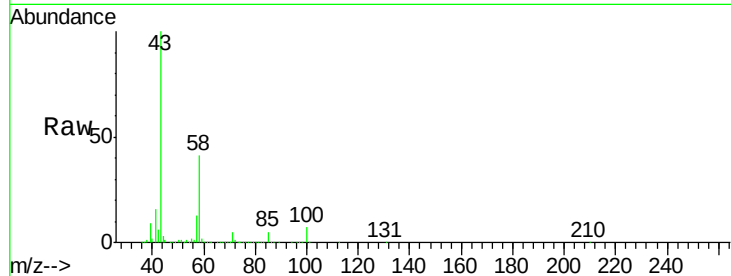
#59
2-Hexanone
Concen: 869.38 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 656137
Ion Ratio Lower Upper
43 100
58 41.3 18.6 55.8

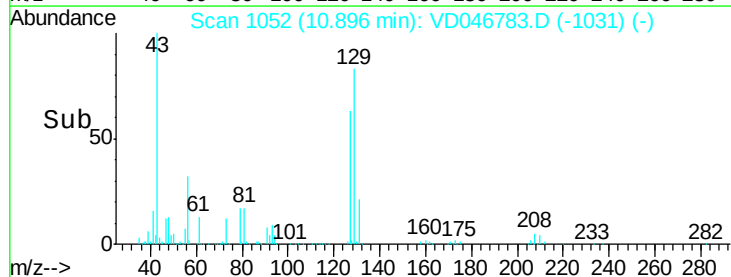
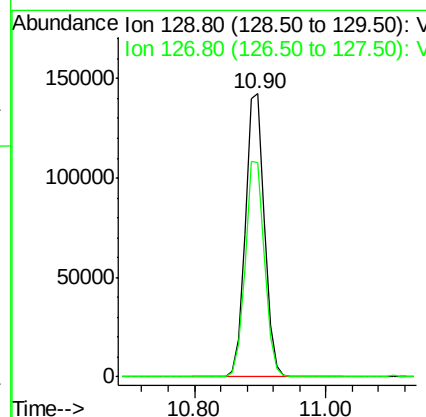
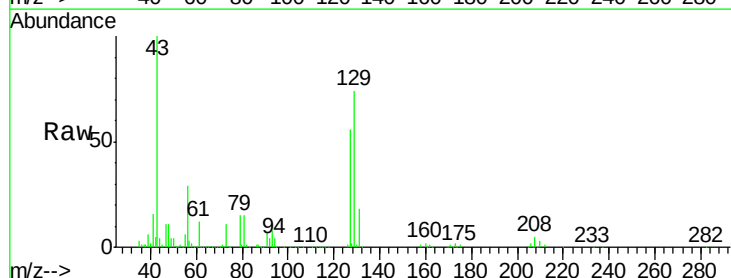
Manual Integrations
APPROVED

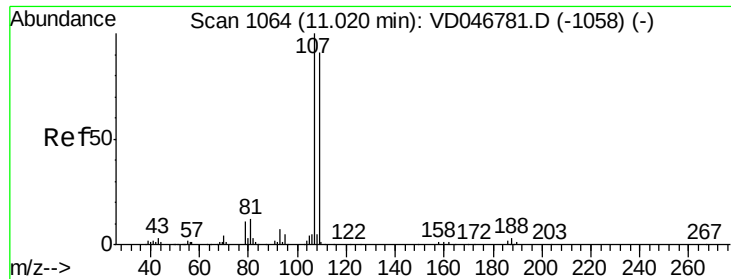
MMDadoda
9/21/2015 11:38:57 AM



#60
Dibromochloromethane
Concen: 149.66 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion: 129 Resp: 289232
Ion Ratio Lower Upper
129 100
127 75.6 38.2 114.6





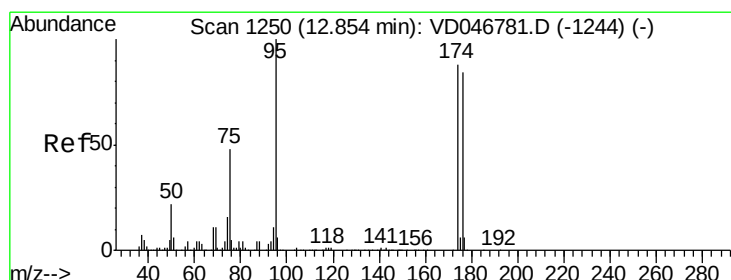
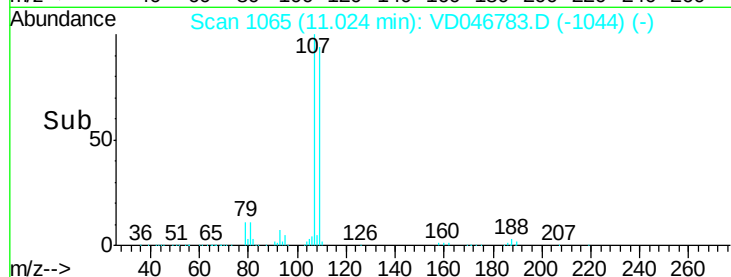
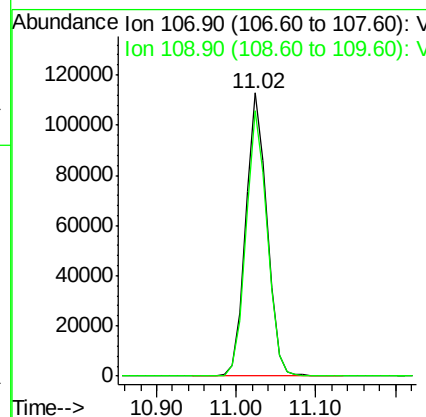
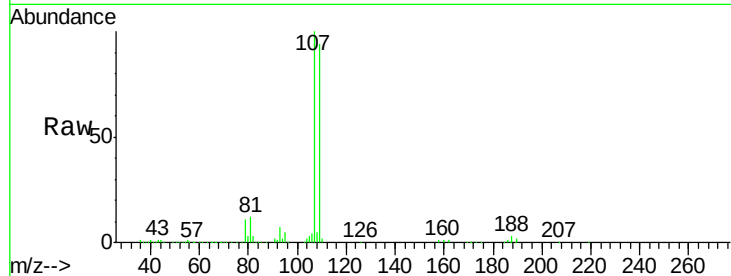
#61
 1,2-Dibromoethane
 Concen: 148.92 ug/l
 RT: 11.02 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	206658		
109	93.7	71.4	107.0	

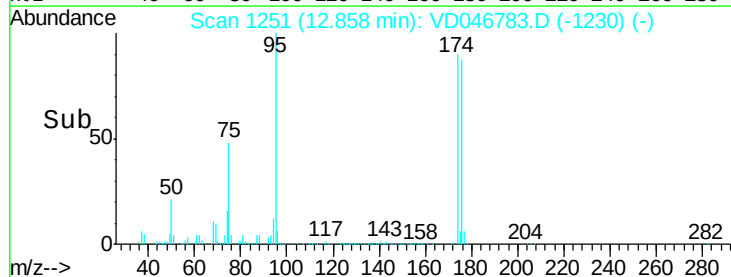
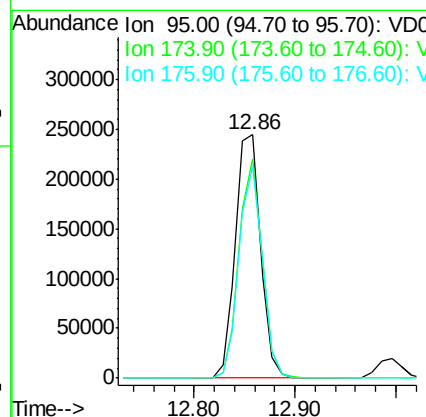
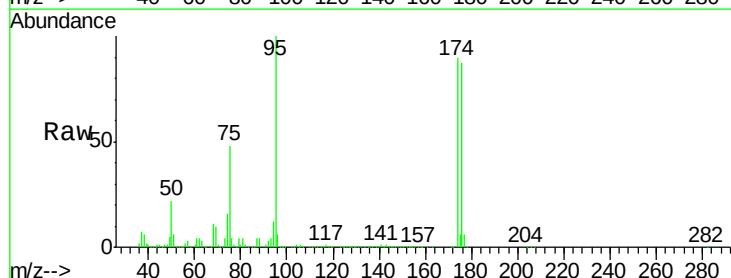
Manual Integrations
 APPROVED

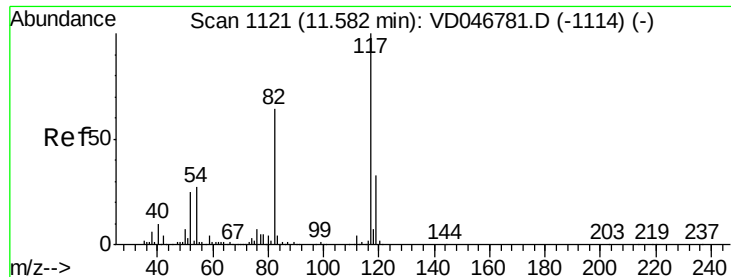
MMDadoda
 9/21/2015 11:38:57 AM



#62
 4-Bromofluorobenzene
 Concen: 148.92 ug/l
 RT: 12.86 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	424377		
174	89.9	0.0	149.8	
176	87.1	0.0	143.4	





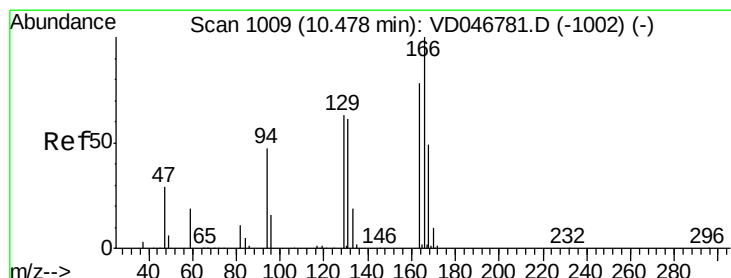
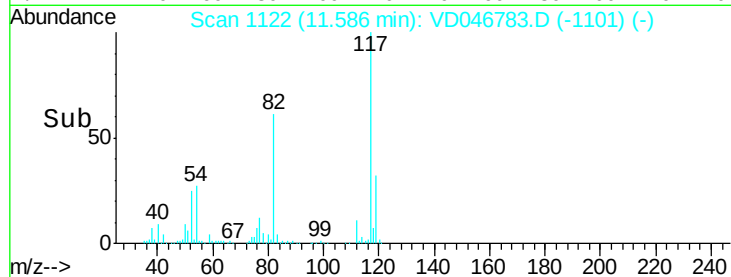
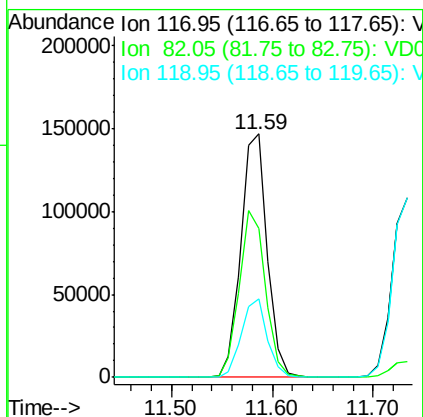
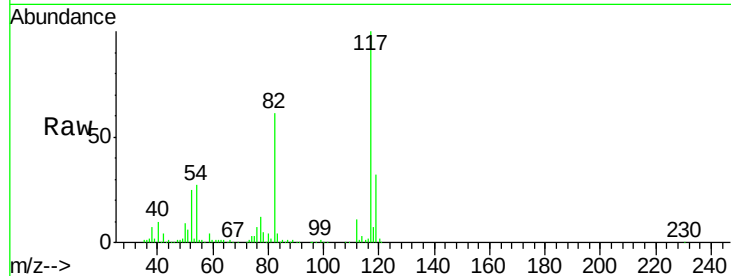
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	61.0	50.6	75.8
119	32.4	25.8	38.8

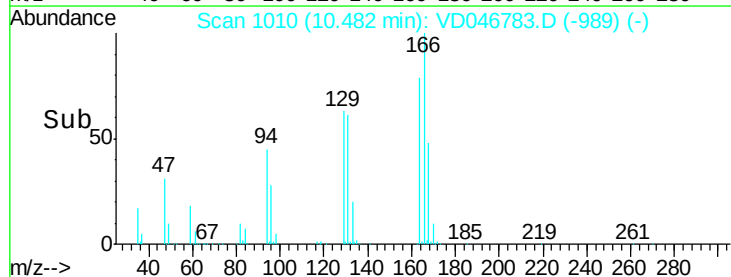
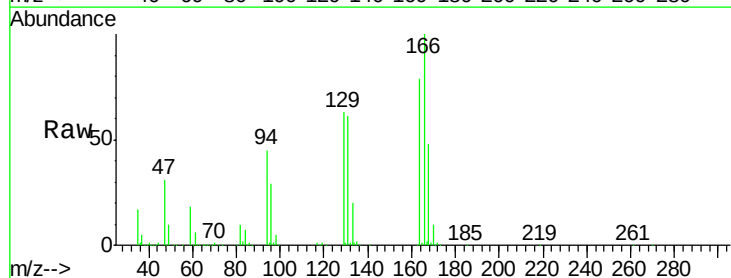
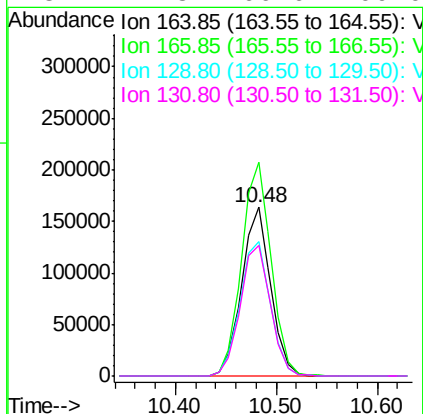
Manual Integrations
APPROVED

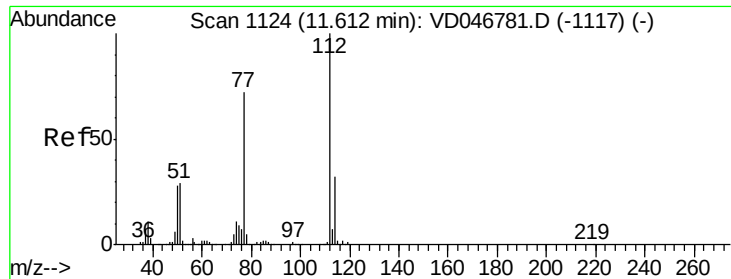
MMDadoda
9/21/2015 11:38:57 AM



#64
Tetrachloroethene
Concen: 149.24 ug/l
RT: 10.48 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.7	106.8	160.2
129	79.8	70.6	106.0
131	77.8	66.6	100.0





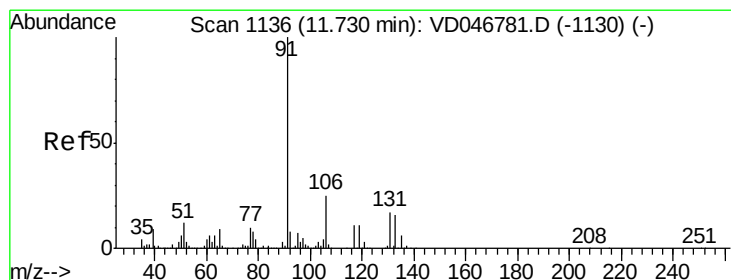
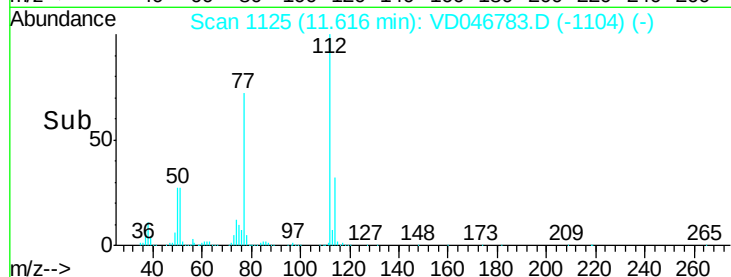
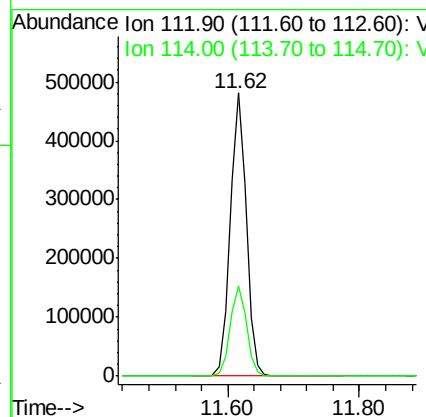
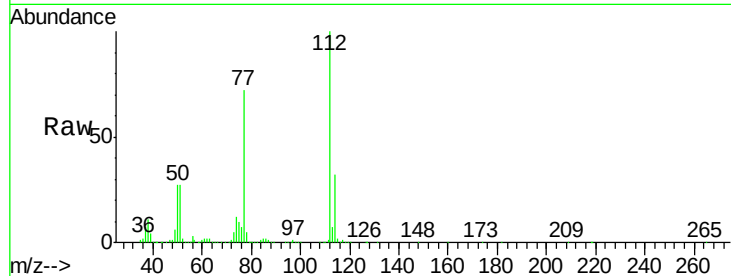
#65
Chlorobenzene
Concen: 145.08 ug/l
RT: 11.62 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 826011
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

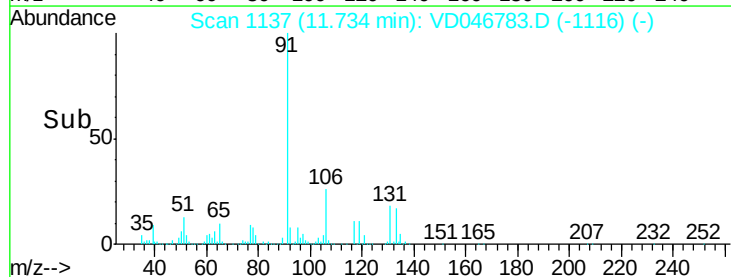
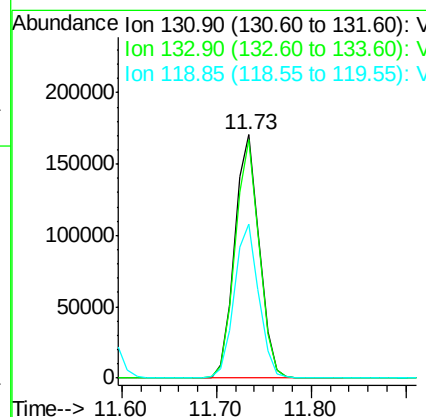
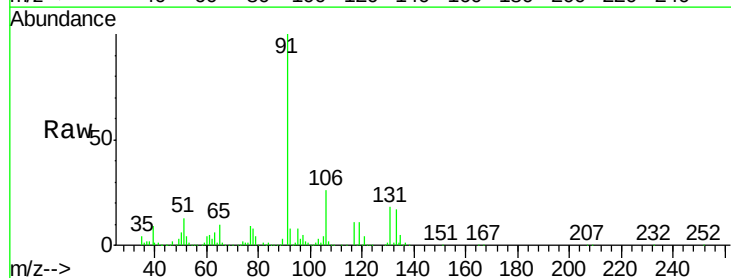
Manual Integrations
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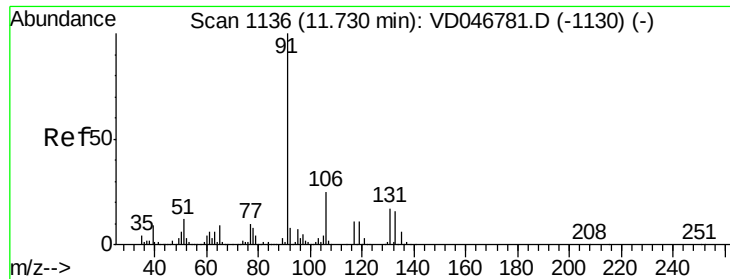
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 146.64 ug/l
RT: 11.73 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion:131 Resp: 307267
Ion Ratio Lower Upper
131 100
133 97.7 48.4 145.0
119 63.5 31.5 94.5





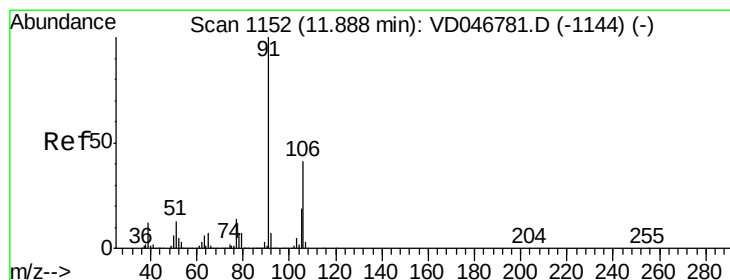
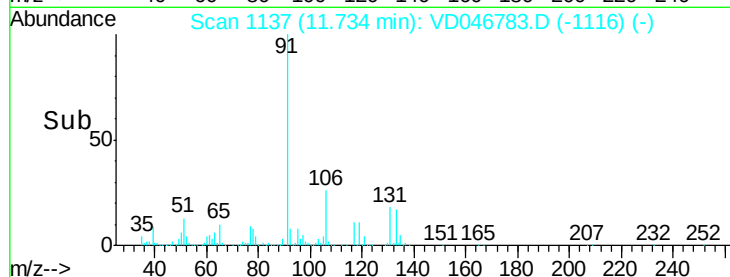
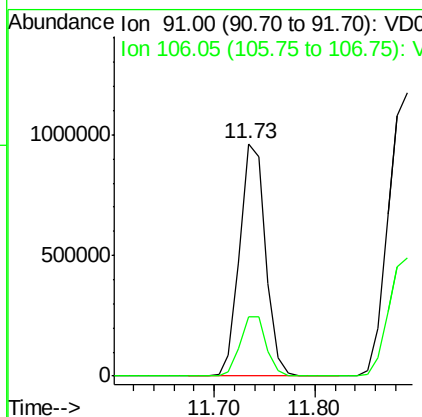
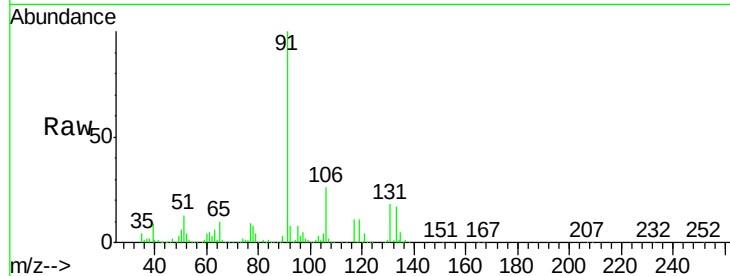
#67
Ethyl Benzene
Concen: 151.24 ug/l
RT: 11.73 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1728234
Ion Ratio Lower Upper
91 100
106 25.7 20.2 30.2

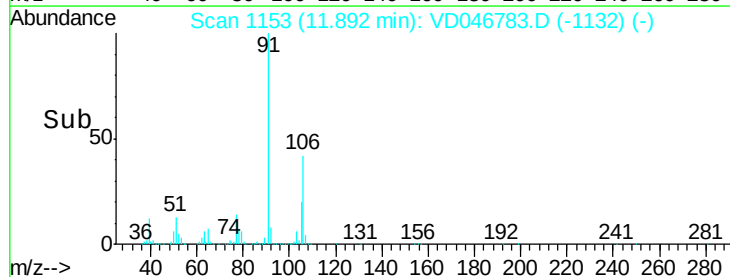
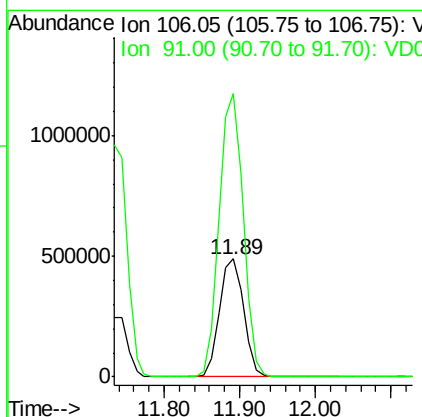
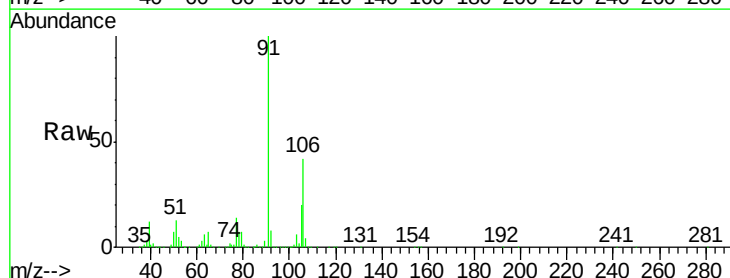
Manual Integrations
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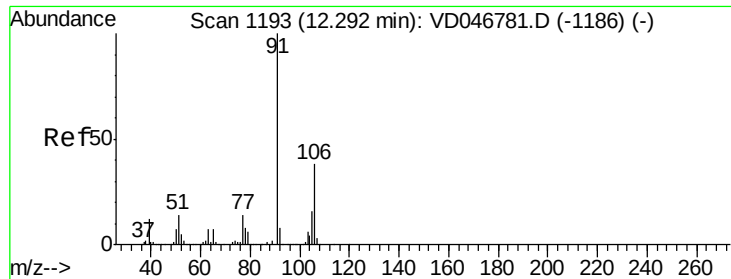
MMDadoda
9/21/2015 11:38:57 AM



#68
m/p-Xylenes
Concen: 301.35 ug/l
RT: 11.89 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion: 106 Resp: 1088515
Ion Ratio Lower Upper
106 100
91 240.3 187.9 281.9





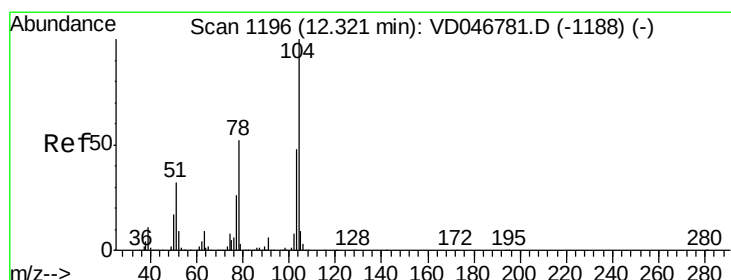
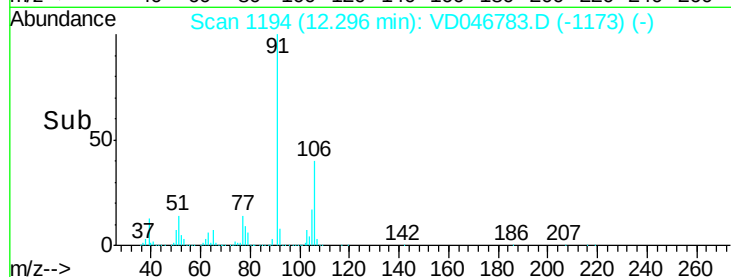
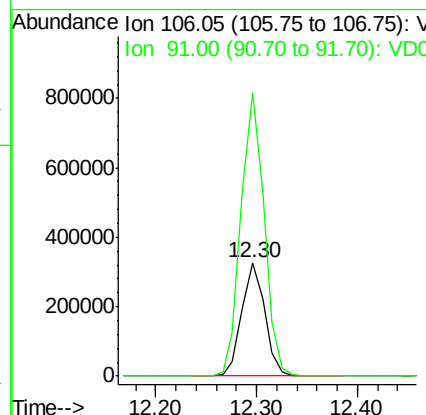
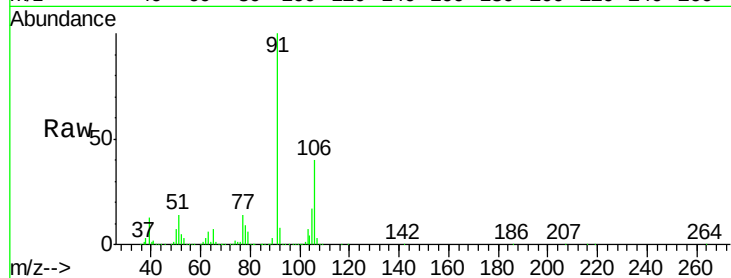
#69
o-Xylene
Concen: 160.32 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 519968
Ion Ratio Lower Upper
106 100
91 248.9 124.8 374.5

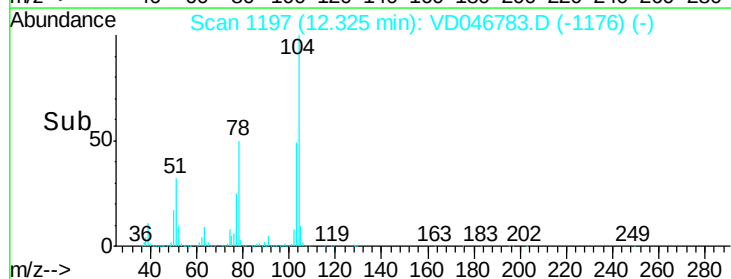
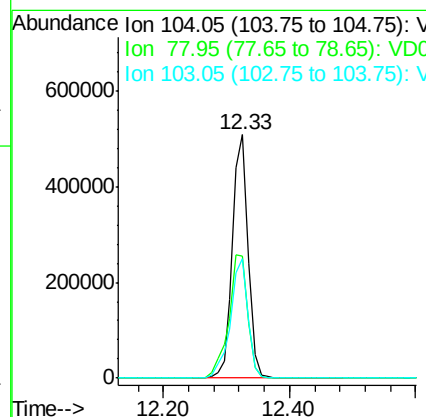
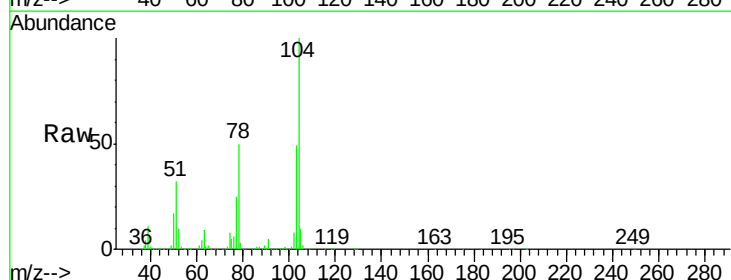
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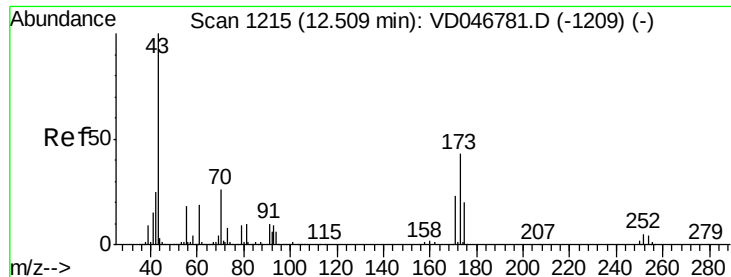
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#70
Styrene
Concen: 154.60 ug/l
RT: 12.33 min Scan# 1197
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion:104 Resp: 865723
Ion Ratio Lower Upper
104 100
78 50.0 44.5 66.7
103 48.9 40.3 60.5





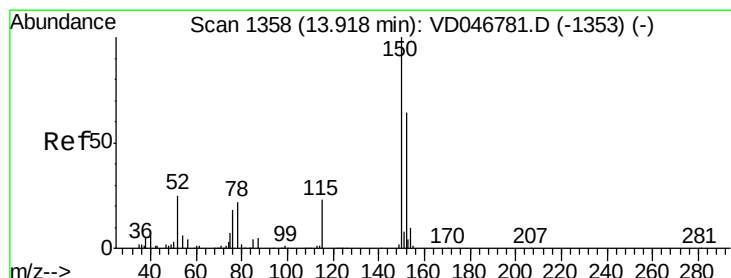
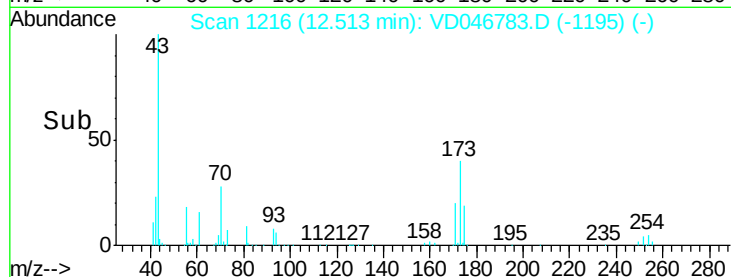
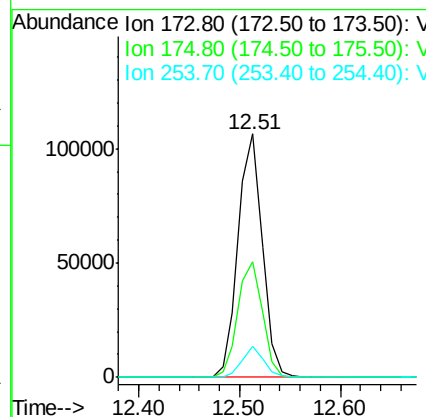
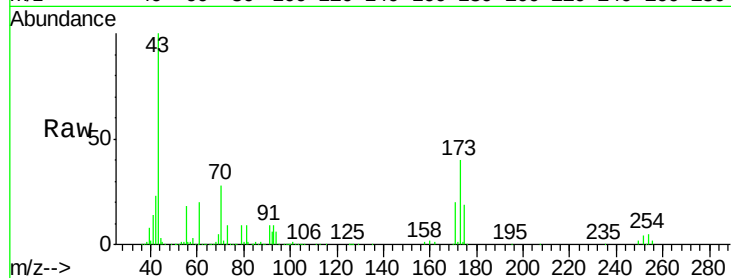
#71
Bromoform
Concen: 160.44 ug/l
RT: 12.51 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	177636		
175	47.7	23.1	69.3	
254	12.7	8.7	13.1	

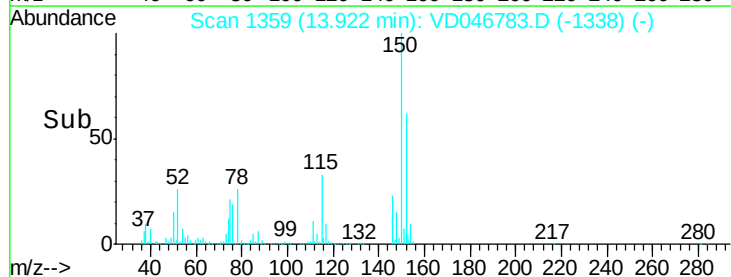
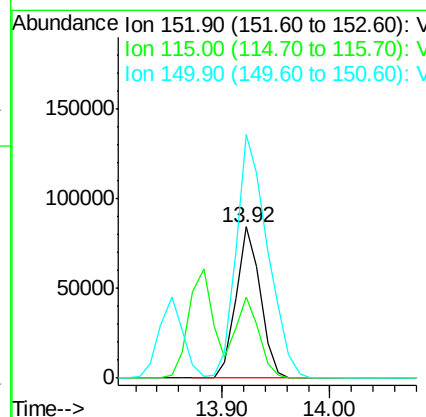
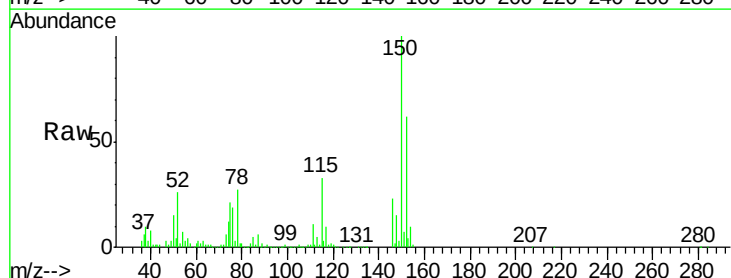
Manual Integrations
APPROVED

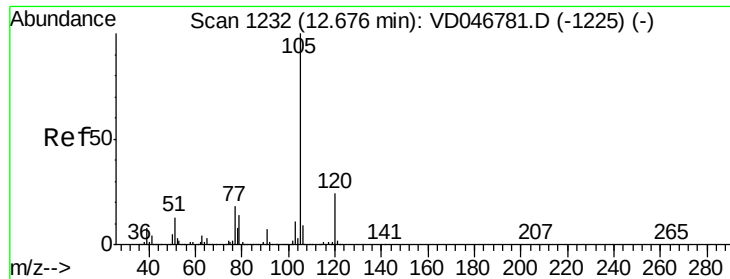
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	133047		
115	53.9	26.2	78.6	
150	161.1	0.0	311.8	





#73

Isopropylbenzene

Concen: 166.49 ug/l

RT: 12.68 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 1563541

Ion Ratio Lower Upper

105 100

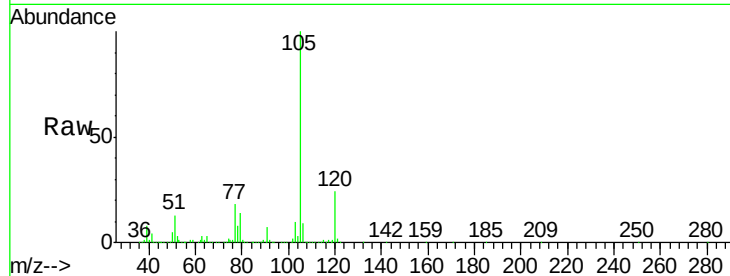
120 23.7 12.4 37.4

Manual Integrations

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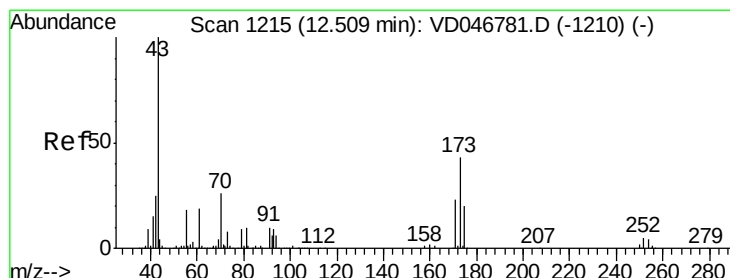
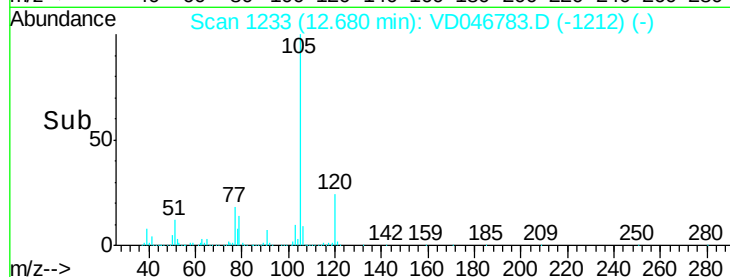
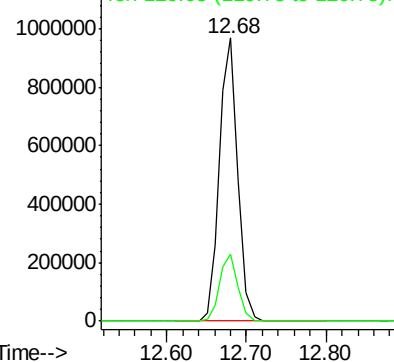
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 190.54 ug/l

RT: 12.51 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion: 43 Resp: 391835

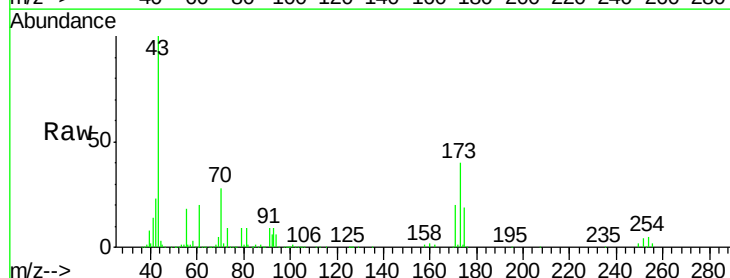
Ion Ratio Lower Upper

43 100

70 27.9 22.1 33.1

55 17.6 14.5 21.7

61 19.7 14.6 21.8

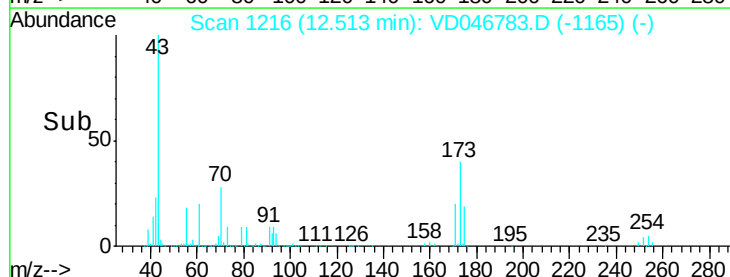
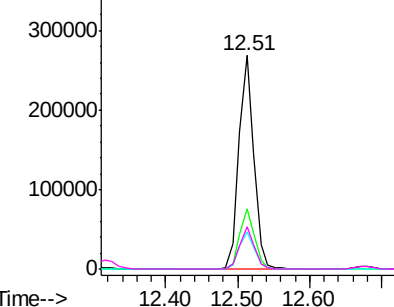


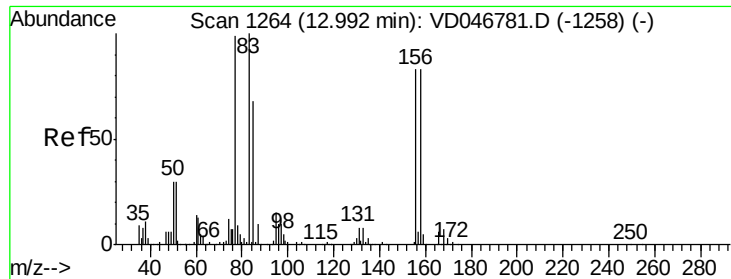
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 151.14 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 229125
Ion Ratio Lower Upper

83 100

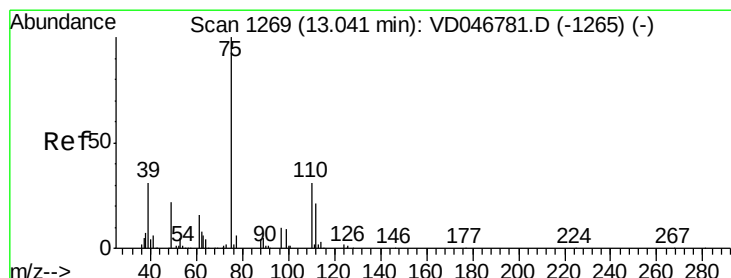
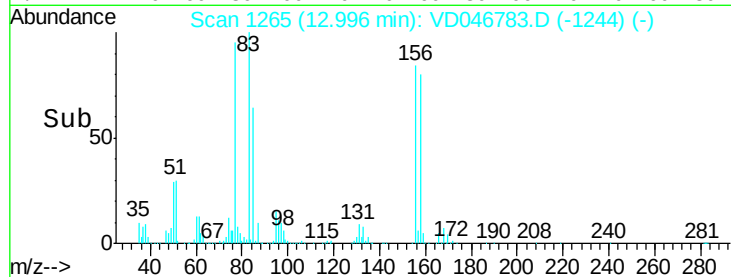
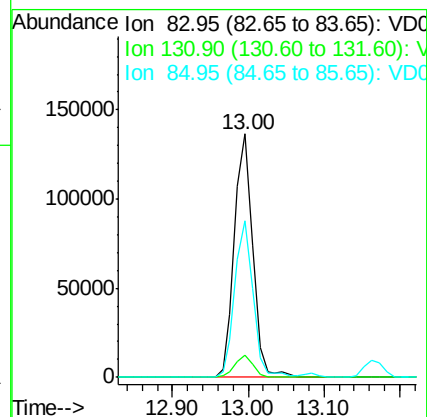
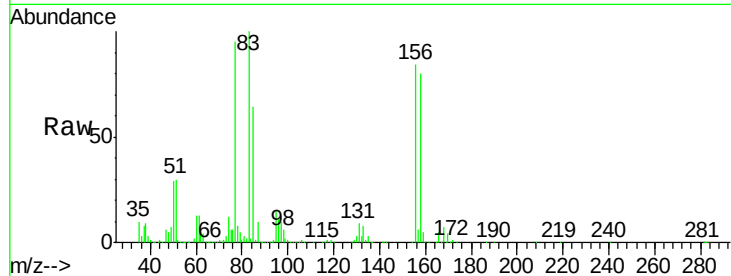
131 9.2 3.9 11.7

85 64.4 30.5 91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 162.51 ug/l

RT: 13.05 min Scan# 1270

Delta R.T. 0.00 min

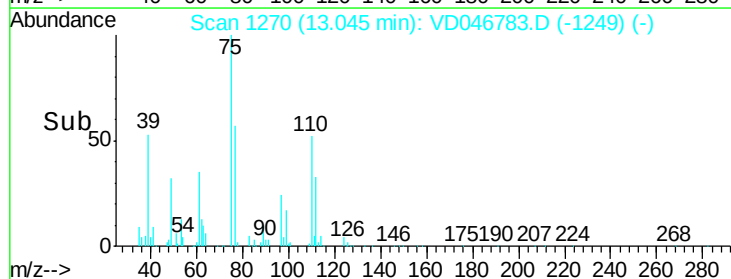
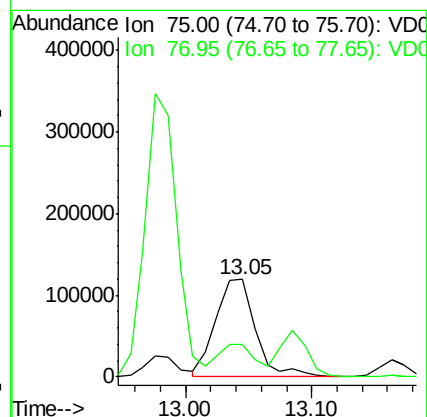
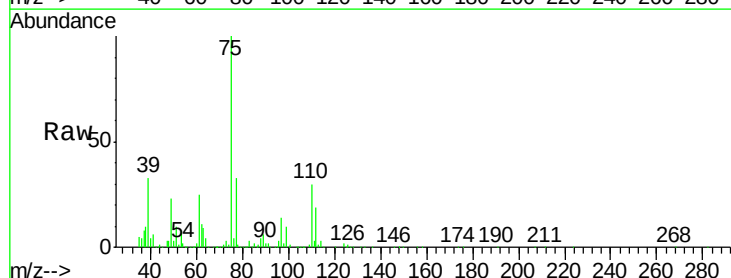
Lab File: VD046783.D

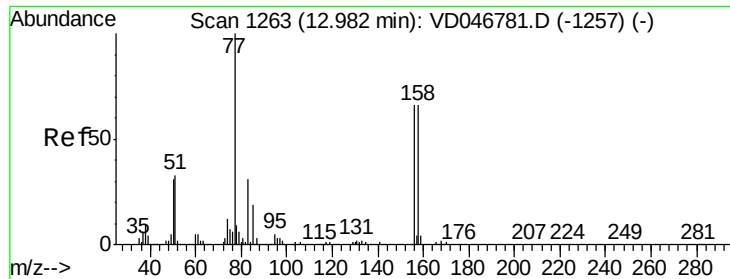
Acq: 18 Sep 2015 15:05

Tgt Ion: 75 Resp: 261828
Ion Ratio Lower Upper

75 100

77 33.1 16.0 48.0





#77

Bromobenzene

Concen: 155.85 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

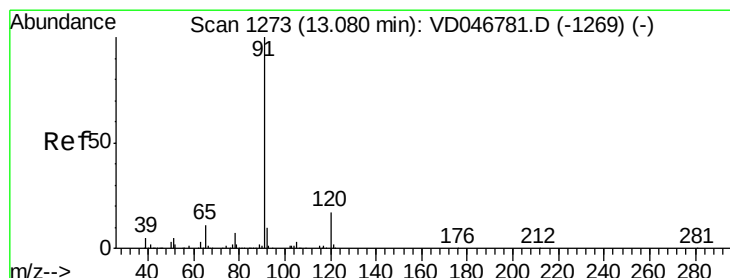
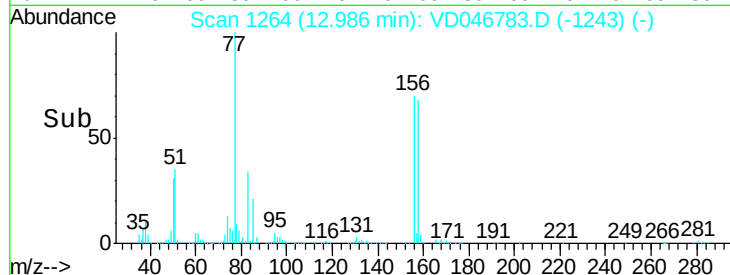
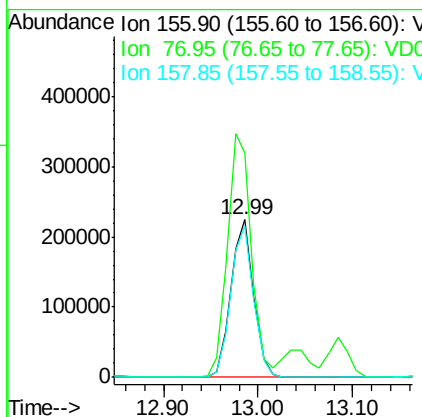
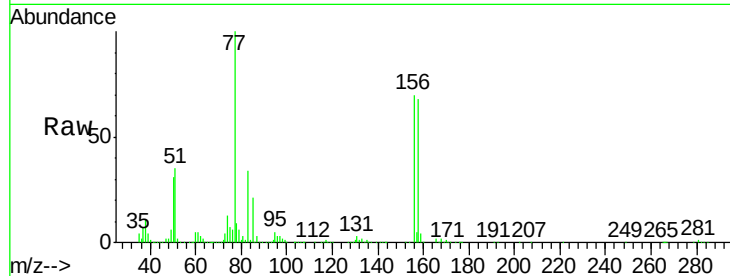
ClientSampleId :

VSTDIC150

Tgt Ion:	156	Resp:	371494
Ion Ratio	Lower	Upper	
156	100		
77	142.8	70.3	210.8
158	96.5	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 158.31 ug/l

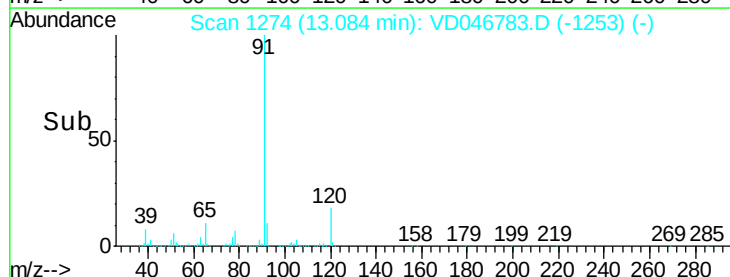
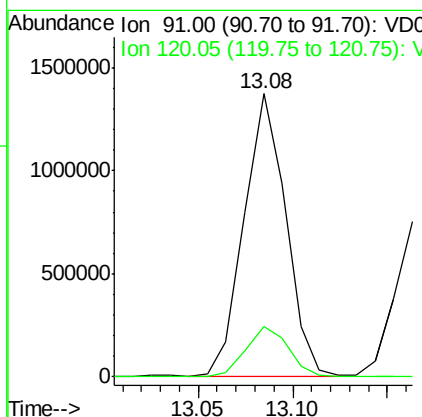
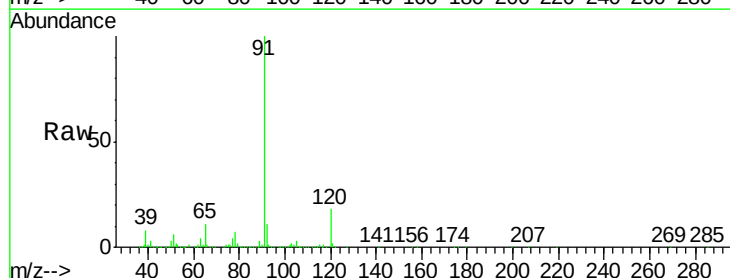
RT: 13.08 min Scan# 1274

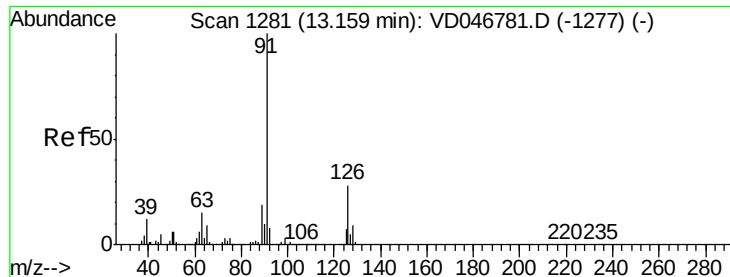
Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion:	91	Resp:	2104469
Ion Ratio	Lower	Upper	
91	100		
120	17.9	9.3	27.7





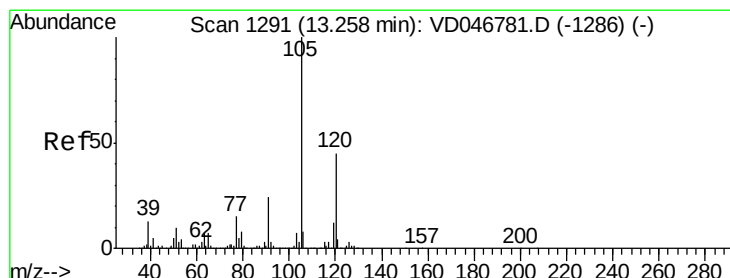
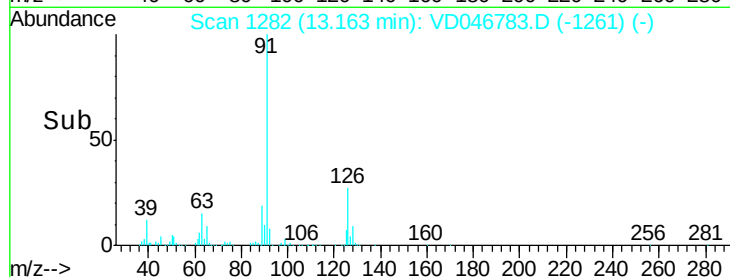
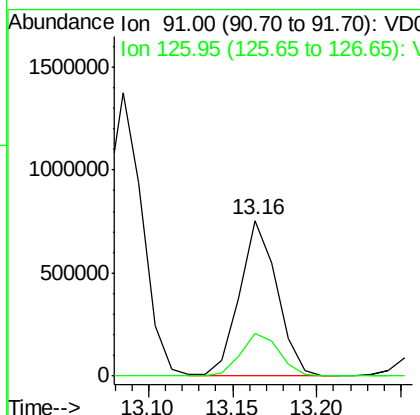
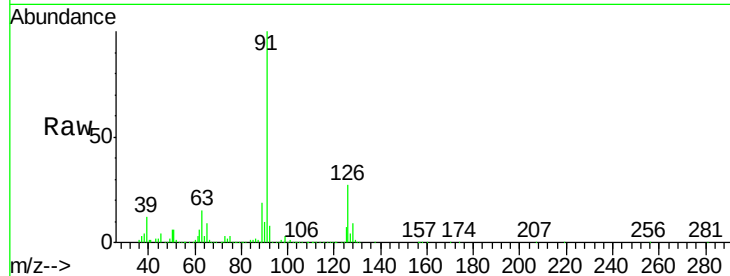
#79
 2-Chlorotoluene
 Concen: 156.21 ug/l
 RT: 13.16 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 91 Resp: 1159595
 Ion Ratio Lower Upper
 91 100
 126 27.1 14.1 42.4

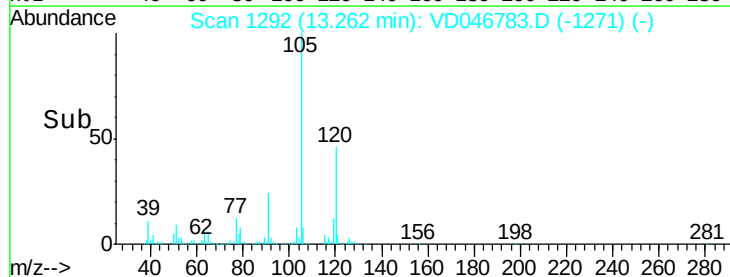
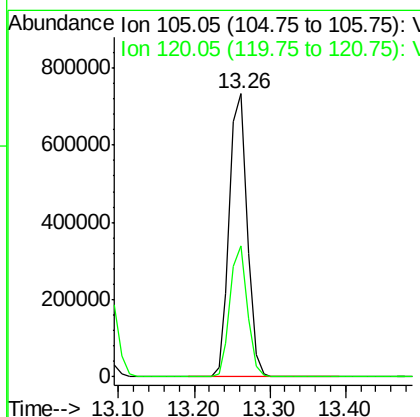
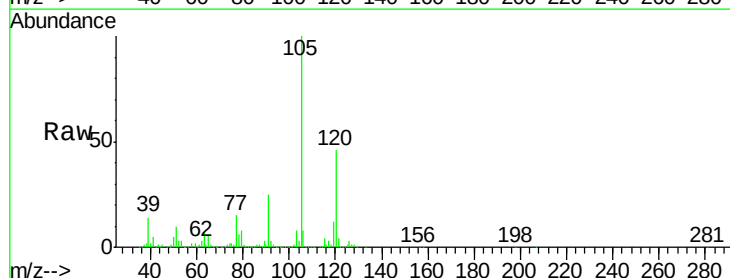
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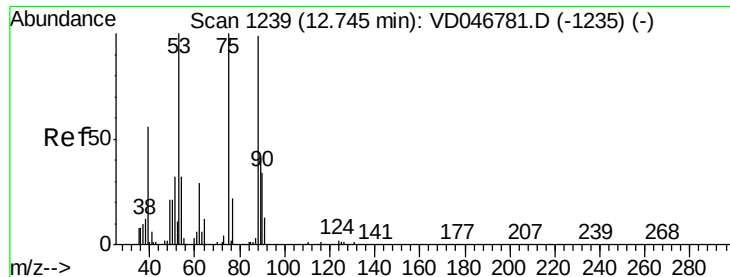
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#80
 1,3,5-Trimethylbenzene
 Concen: 160.32 ug/l
 RT: 13.26 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion: 105 Resp: 1196843
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.3 66.8





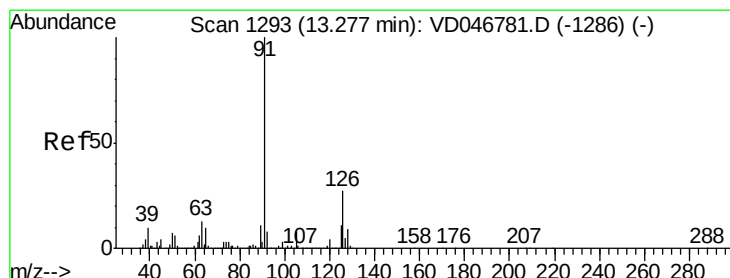
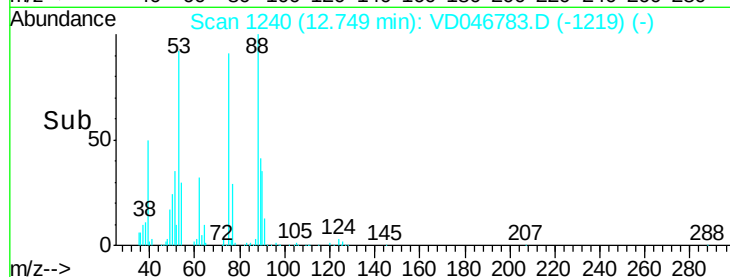
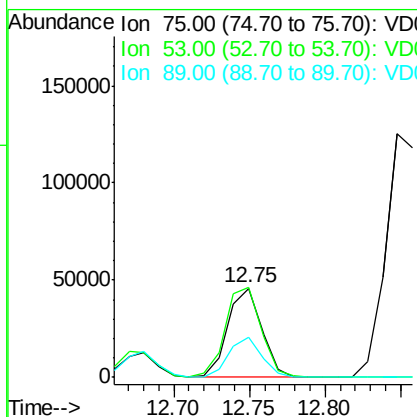
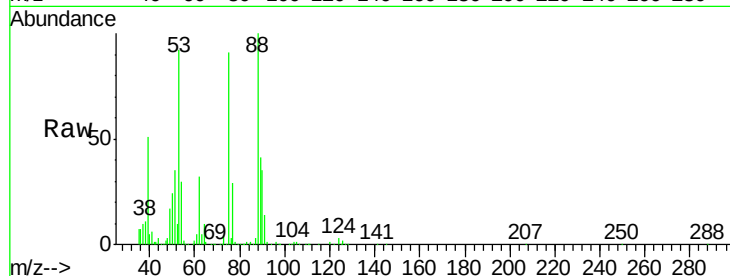
#81
trans-1,4-Dichloro-2-butene
Concen: 180.23 ug/l
RT: 12.75 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.6	82.3	123.5
89	44.9	36.6	54.8

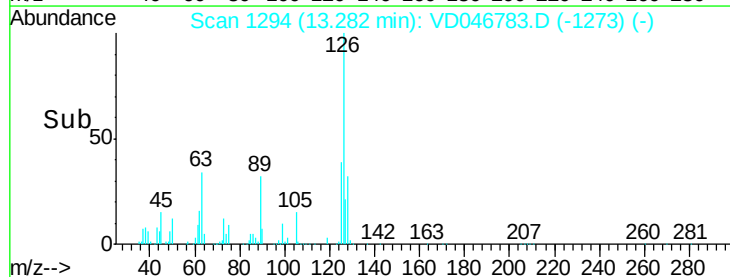
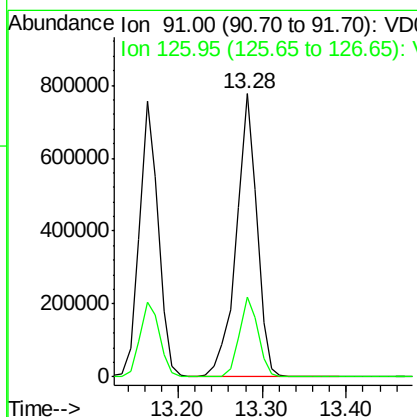
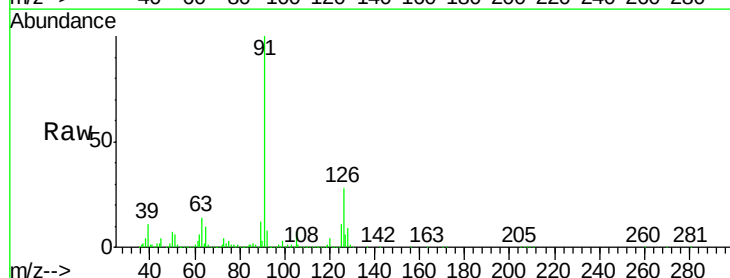
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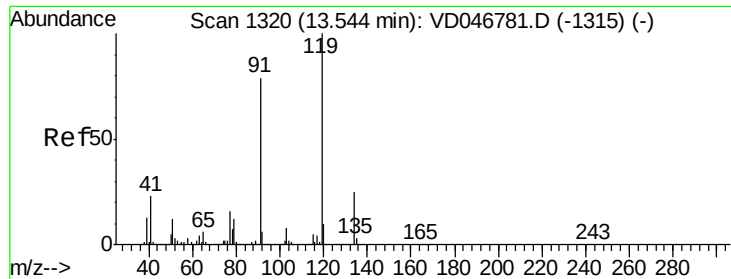
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#82
4-Chlorotoluene
Concen: 151.56 ug/l
RT: 13.28 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4





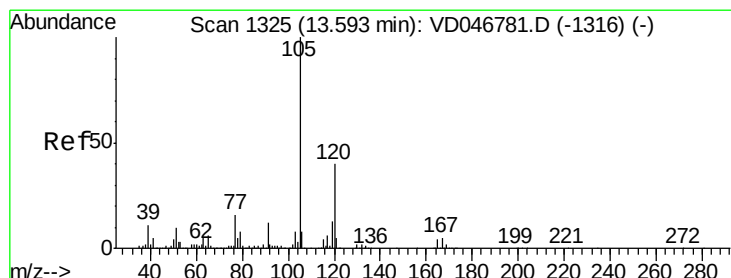
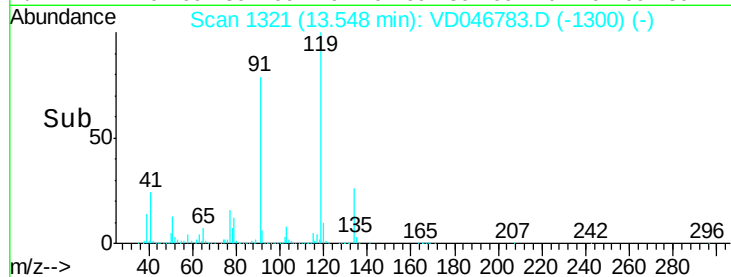
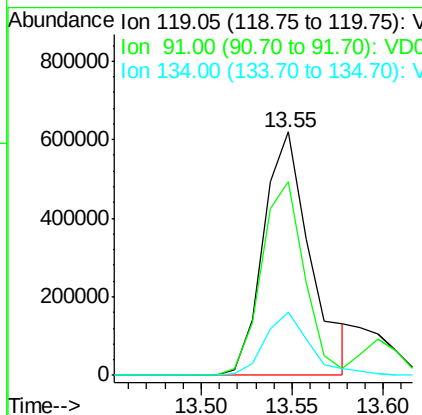
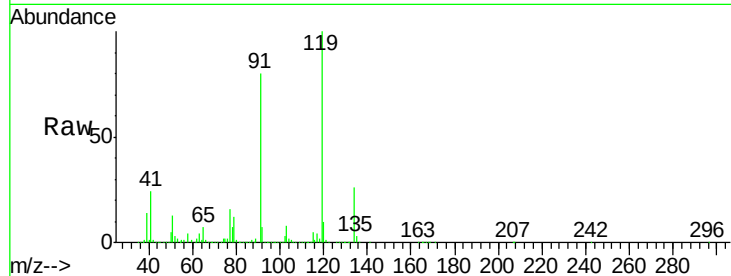
#83
 tert-Butylbenzene
 Concen: 164.40 ug/l m
 RT: 13.55 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1114100
 Ion Ratio Lower Upper
 119 100
 91 79.7 41.6 124.9
 134 26.1 12.4 37.4

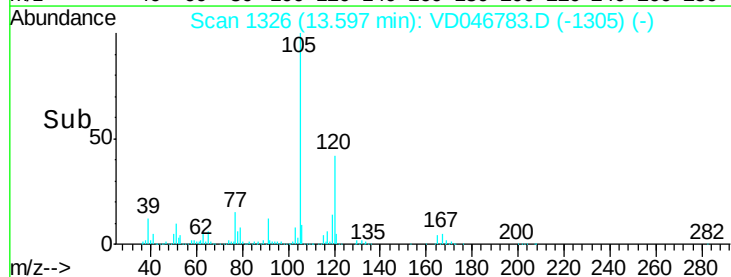
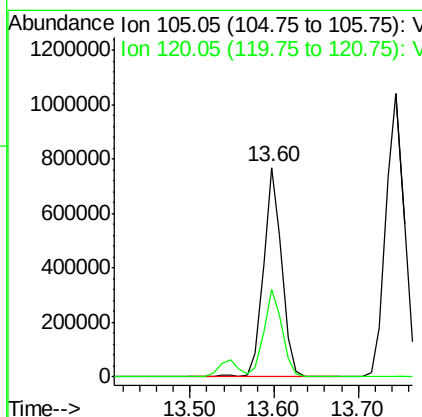
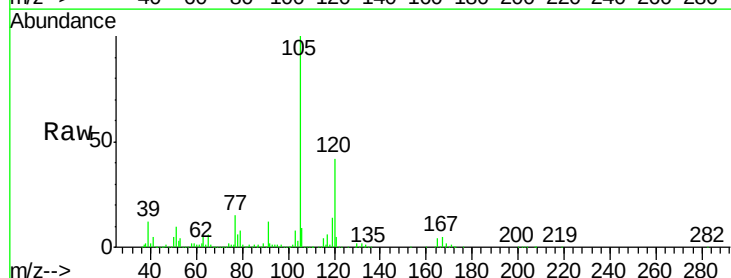
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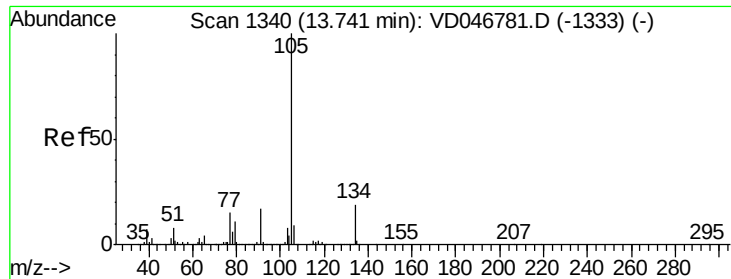
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#84
 1,2,4-Trimethylbenzene
 Concen: 154.93 ug/l
 RT: 13.60 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion:105 Resp: 1172826
 Ion Ratio Lower Upper
 105 100
 120 41.5 21.1 63.1





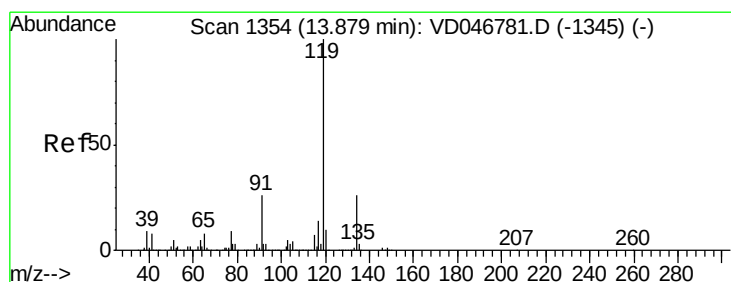
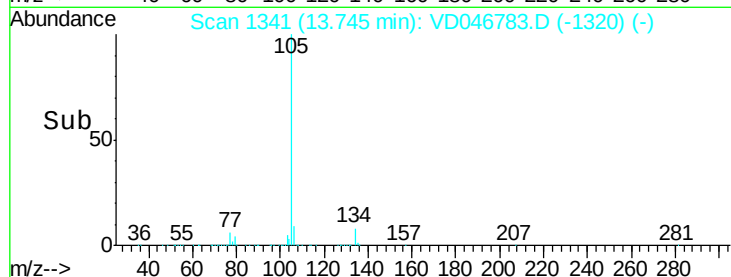
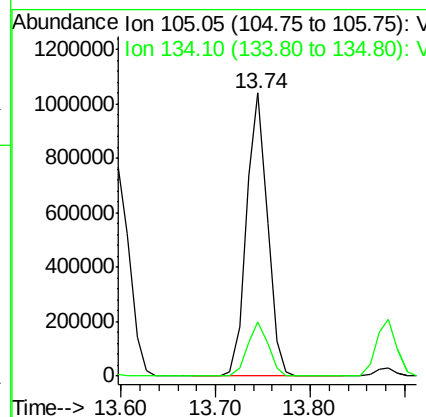
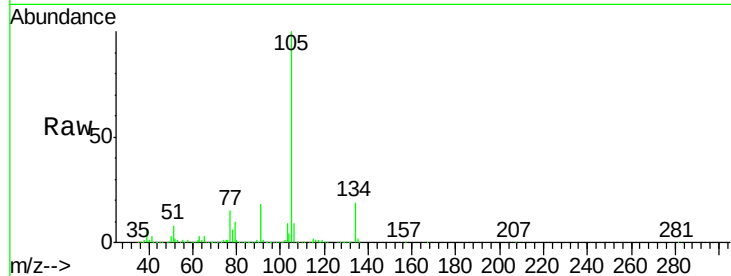
#85
 sec-Butylbenzene
 Concen: 158.29 ug/l
 RT: 13.74 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 1579436
 Ion Ratio Lower Upper
 105 100
 134 19.0 10.1 30.3

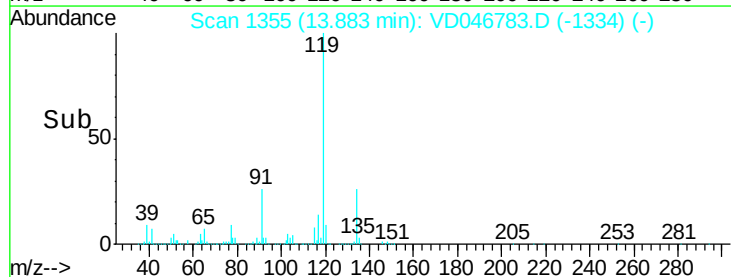
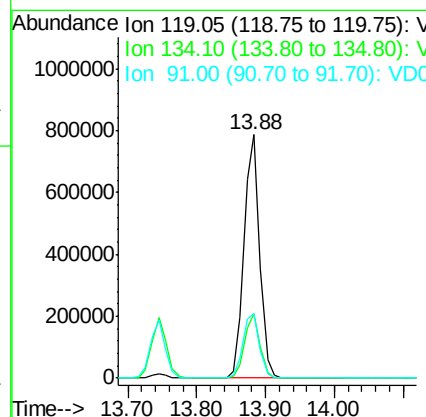
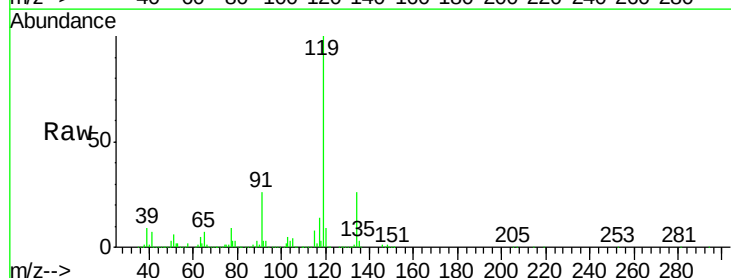
Manual Integrations
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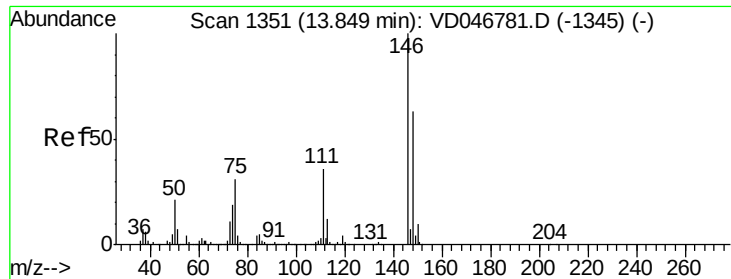
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#86
 p-Isopropyltoluene
 Concen: 157.57 ug/l
 RT: 13.88 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion:119 Resp: 1227188
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 26.3 13.8 41.3





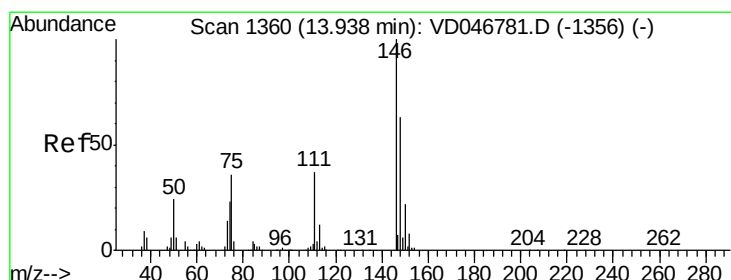
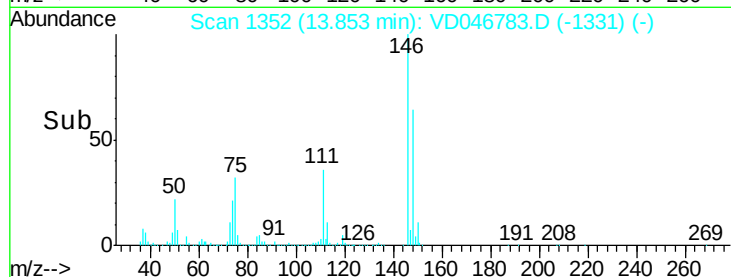
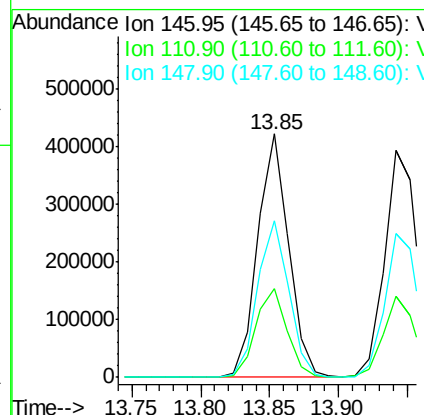
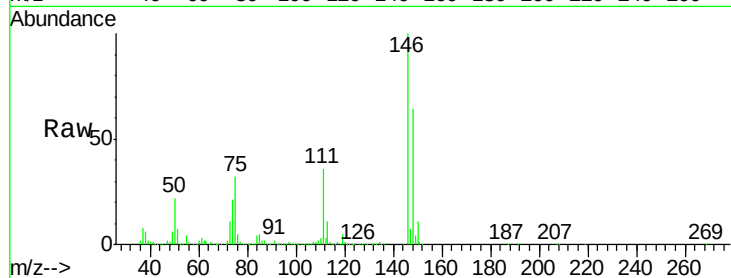
#87
 1,3-Dichlorobenzene
 Concen: 149.26 ug/l
 RT: 13.85 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.4	52.2
148	64.2	33.0	99.0

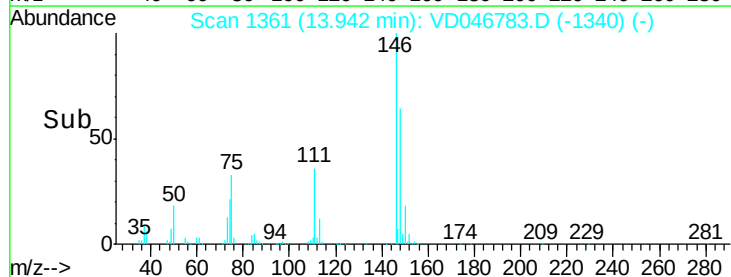
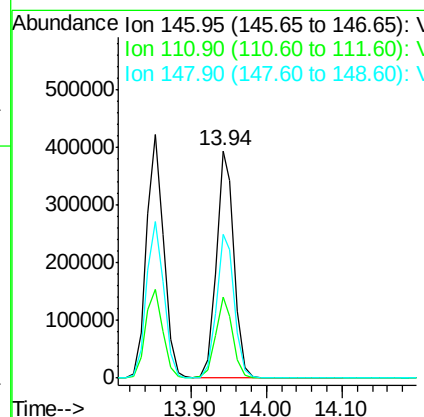
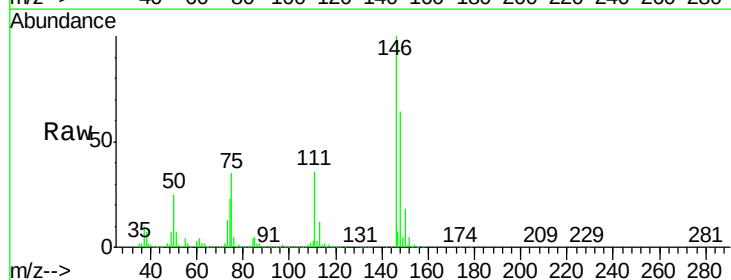
Manual Integrations
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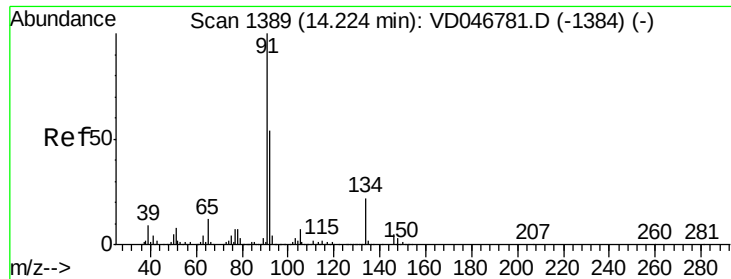
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#88
 1,4-Dichlorobenzene
 Concen: 149.14 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.0	51.0
148	63.6	31.9	95.7





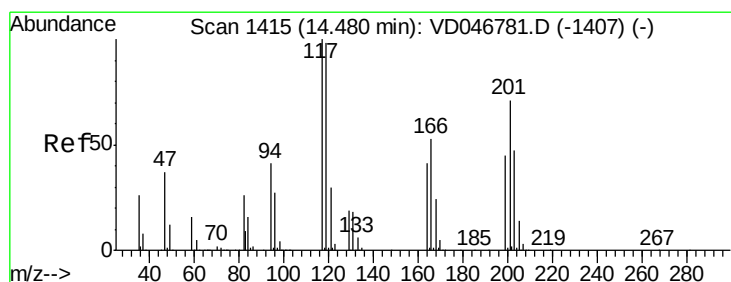
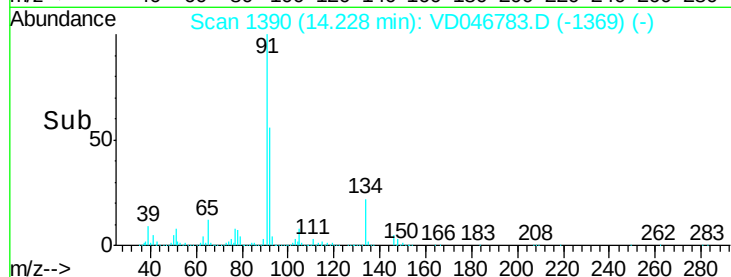
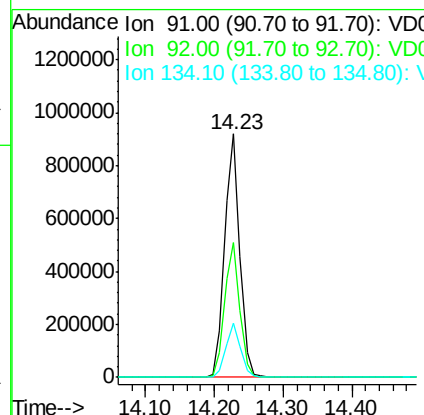
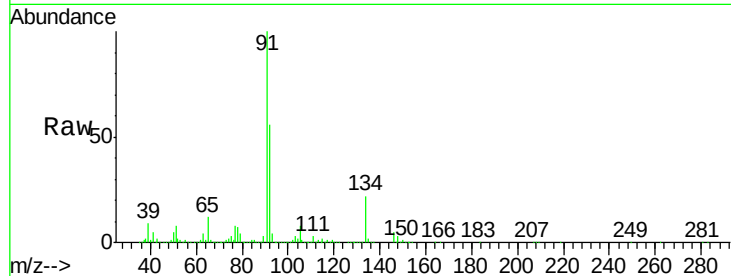
#89
n-Butylbenzene
Concen: 157.72 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1390187
Ion Ratio Lower Upper
91 100
92 55.5 27.1 81.2
134 22.1 9.6 28.6

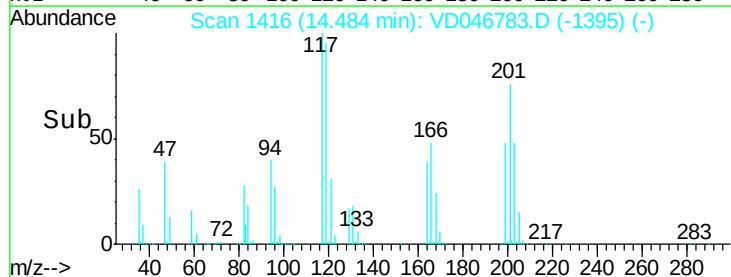
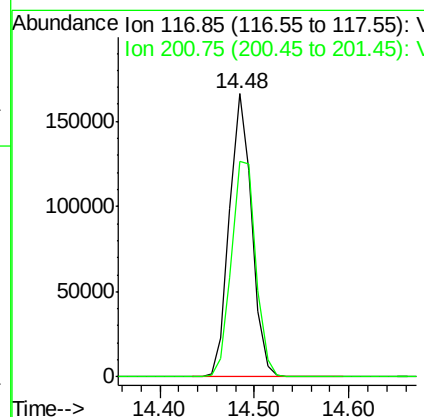
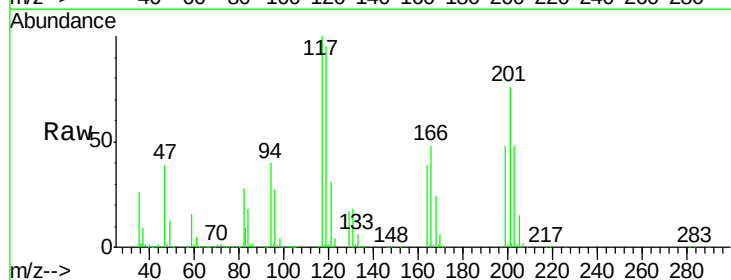
Manual Integrations
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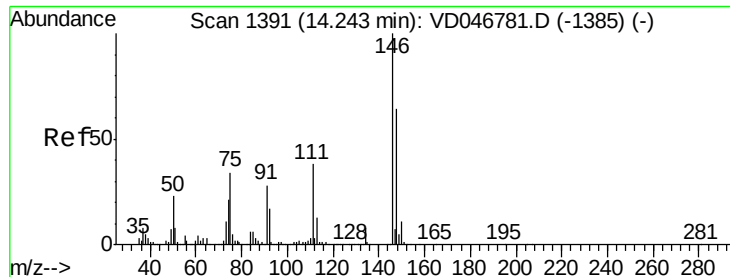
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#90
Hexachloroethane
Concen: 146.82 ug/l
RT: 14.48 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion: 117 Resp: 270502
Ion Ratio Lower Upper
117 100
201 76.3 41.0 123.0





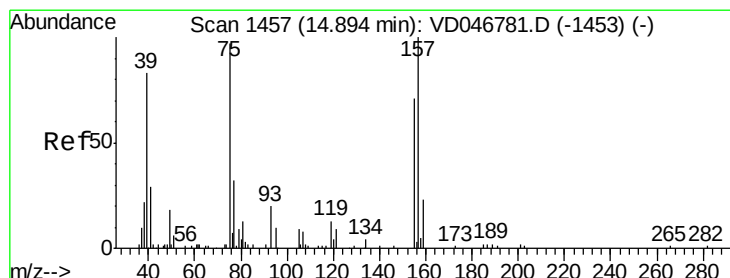
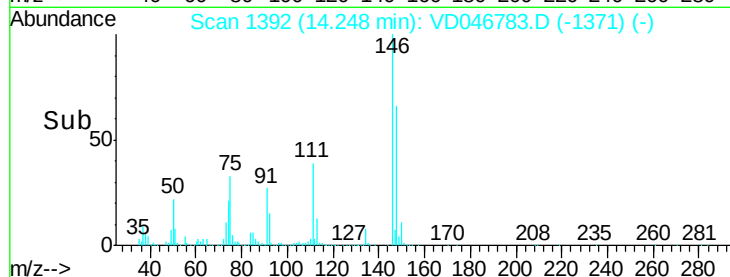
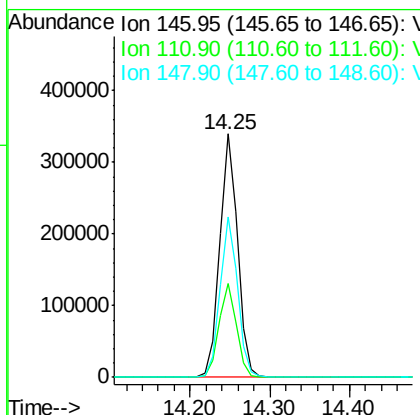
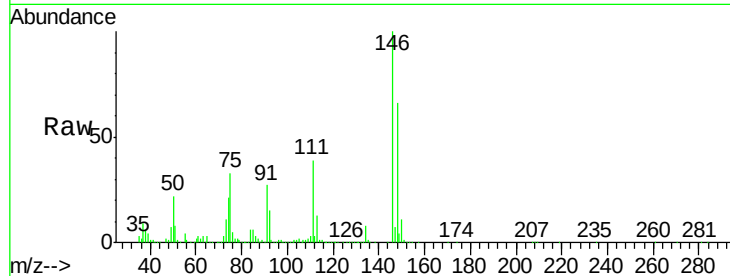
#91
 1,2-Dichlorobenzene
 Concen: 145.39 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.2	54.6
148	65.8	31.1	93.3

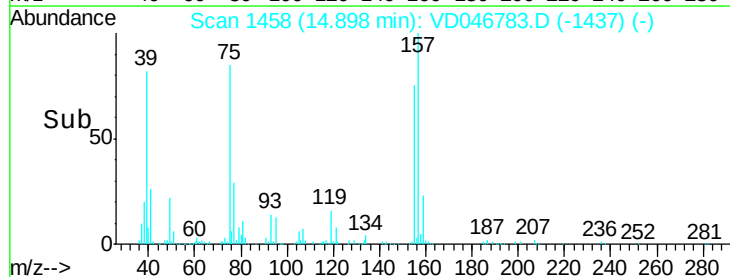
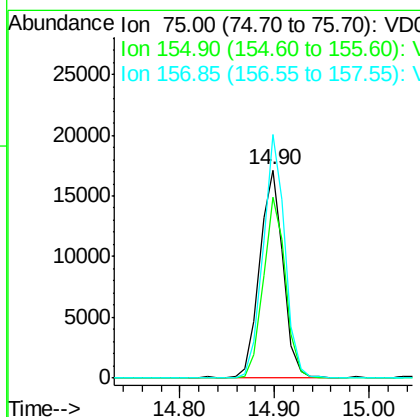
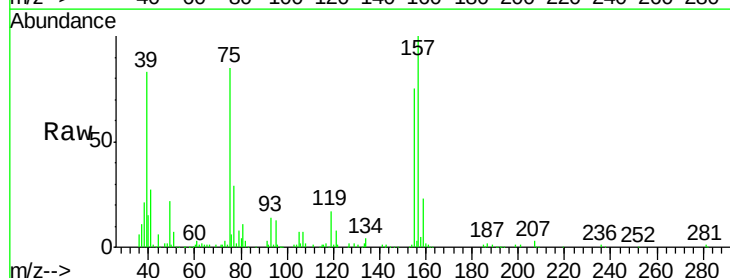
Manual Integrations
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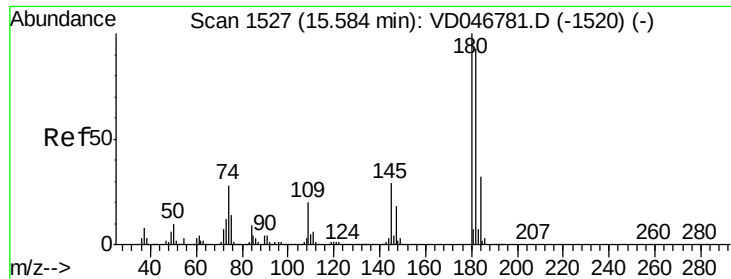
MMDadoda
 9/21/2015 11:38:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.31 ug/l
 RT: 14.90 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VD046783.D
 Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	41.4	124.4
157	117.0	65.0	195.1





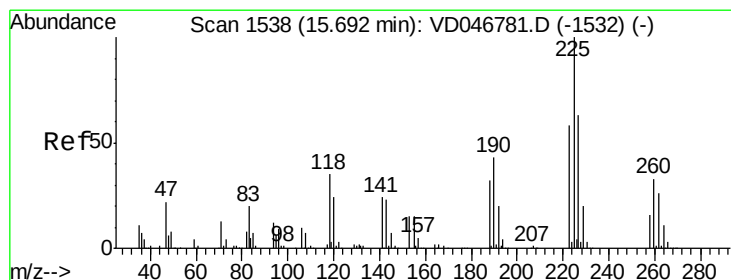
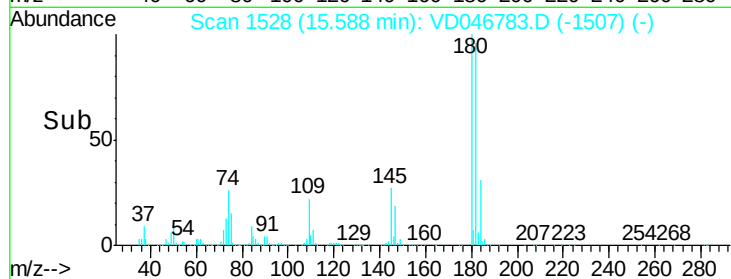
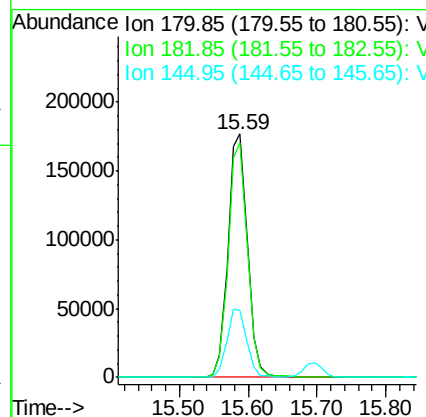
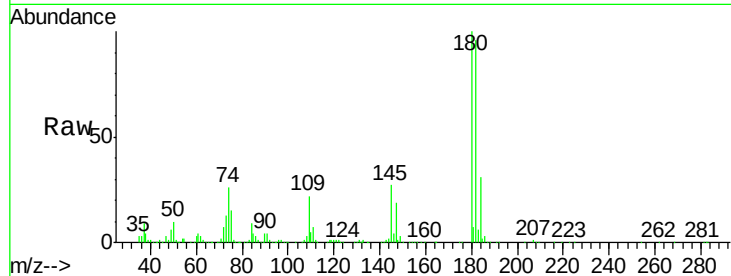
#93
1,2,4-Trichlorobenzene
Concen: 161.73 ug/l
RT: 15.59 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	346092		
182	96.4	47.5	142.5	
145	27.3	14.6	44.0	

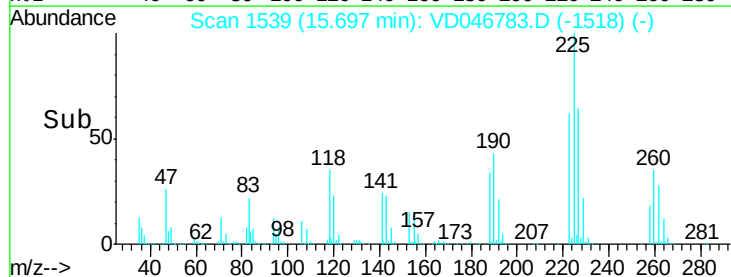
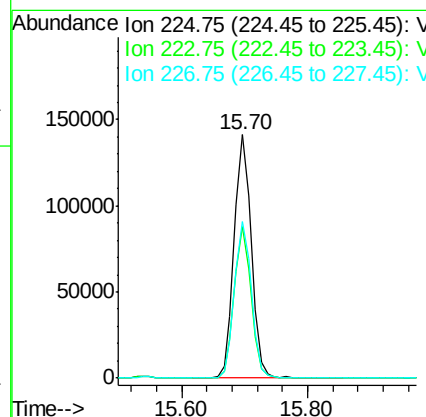
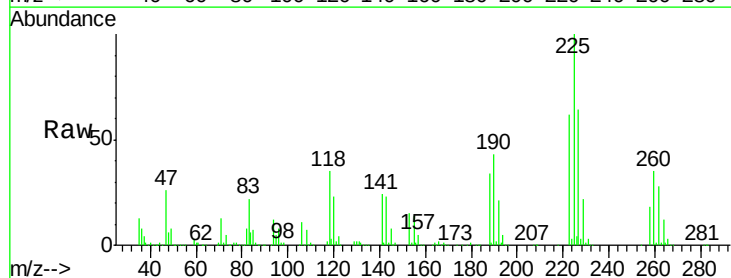
Manual Integrations
APPROVED

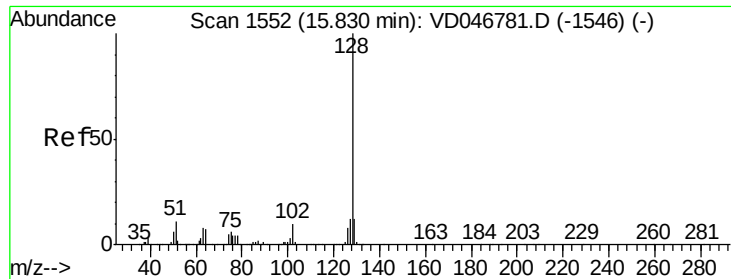
MMDadoda
9/21/2015 11:38:57 AM



#94
Hexachlorobutadiene
Concen: 152.36 ug/l
RT: 15.70 min Scan# 1539
Delta R.T. 0.00 min
Lab File: VD046783.D
Acq: 18 Sep 2015 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	264777		
223	62.0	30.4	91.2	
227	64.2	31.3	93.9	





#95

Naphthalene

Concen: 172.52 ug/l

RT: 15.83 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Instrument :

MSVOA_D

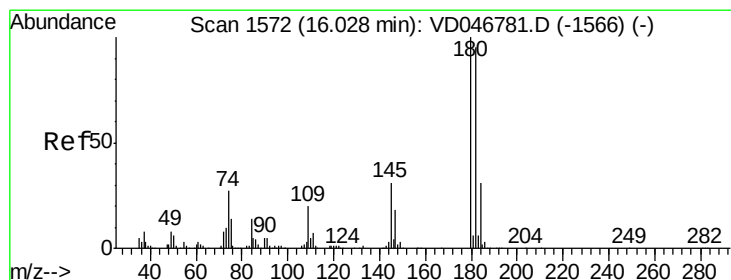
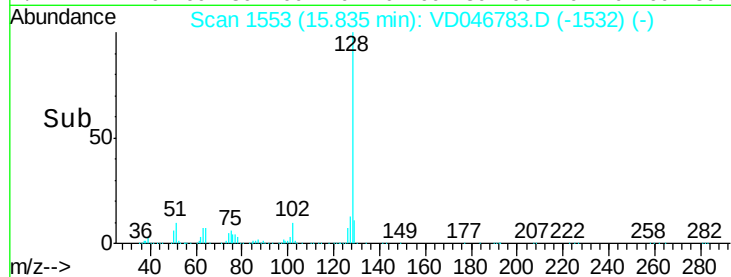
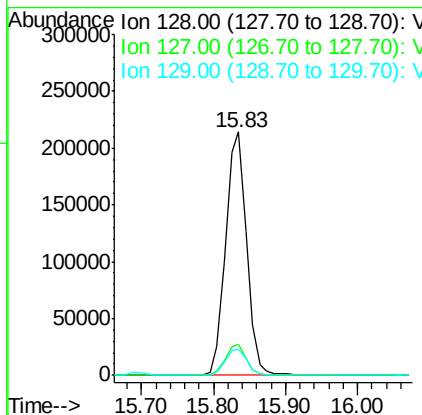
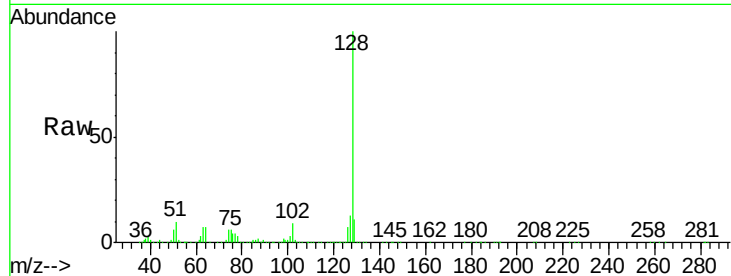
ClientSampleId :

VSTDIC150

Tgt Ion:	128	Resp:	433460
Ion Ratio		Lower	Upper
128	100		
127	12.6	9.8	14.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:38:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 156.03 ug/l

RT: 16.03 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VD046783.D

Acq: 18 Sep 2015 15:05

Tgt Ion:	180	Resp:	275156
Ion Ratio		Lower	Upper
180	100		
182	97.7	47.4	142.3
145	32.1	15.4	46.4

