

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046781.D
 Acq On : 18 Sep 2015 13:15
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:38:44 AM

Quant Time: Sep 18 13:44:18 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:41:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	204772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	266559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	249275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	128775	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.71	65	112212	55.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.36%	
35) Dibromofluoromethane	6.22	113	111477	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	9.62	98	364355	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	
62) 4-Bromofluorobenzene	12.85	95	143877	62.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.54%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	93562	39.68	ug/l	100
3) Chlorodifluoromethane	1.44	51	81188	39.00	ug/l	93
4) Chloromethane	1.58	50	57910	40.51	ug/l	94
5) Vinyl Chloride	1.68	62	55513	43.19	ug/l	98
6) Bromomethane	1.98	94	51555	45.44	ug/l	99
7) Chloroethane	2.08	64	34903	45.90	ug/l	97
8) Trichlorofluoromethane	2.33	101	161617	50.20	ug/l	98
9) Diethyl Ether	2.63	74	32117	48.01	ug/l	89
10) 1,1,2-Trichlorotrifluoroet	2.90	101	102754	46.43	ug/l	97
11) Methyl Iodide	3.06	142	127484	49.44	ug/l	93
12) Tert butyl alcohol	3.70	59	17017	333.69	ug/l	100
13) 1,1-Dichloroethene	2.88	96	82927	45.75	ug/l	99
14) Acrolein	2.78	56	30148	277.92	ug/l	88
15) Allyl chloride	3.33	41	178085	45.42	ug/l	# 87
16) Acrylonitrile	3.84	53	66462	232.47	ug/l	94
17) Acetone	2.95	43	91807	234.62	ug/l	100
18) Carbon Disulfide	3.13	76	302030	41.77	ug/l	99
19) Methyl Acetate	3.34	43	108401	46.21	ug/l	99
20) Methyl tert-butyl Ether	3.90	73	144481	52.70	ug/l	92
21) Methylene Chloride	3.51	84	96333	45.63	ug/l	92
22) trans-1,2-Dichloroethene	3.89	96	96602	46.68	ug/l	94
23) Diisopropyl ether	4.65	45	310808	47.52	ug/l	92
24) Vinyl Acetate	4.60	43	341142	261.37	ug/l	98
25) 1,1-Dichloroethane	4.56	63	173643	46.04	ug/l	99
26) 2-Butanone	5.45	43	108477	236.76	ug/l	97
27) 2,2-Dichloropropane	5.43	77	176484	50.00	ug/l	98
28) cis-1,2-Dichloroethene	5.43	96	101753	48.07	ug/l	93
29) Bromochloromethane	5.80	49	63202	42.37	ug/l	94
30) Chloroform	5.97	83	210759	49.52	ug/l	98
31) Cyclohexane	6.28	56	154113	41.80	ug/l	88
32) 1,1,1-Trichloroethane	6.19	97	183666	50.66	ug/l	97
36) 1,1-Dichloropropene	6.44	75	158308	48.13	ug/l	98
37) Ethyl Acetate	5.55	43	51689	51.20	ug/l	98
38) Carbon Tetrachloride	6.42	117	156306	50.15	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	166867	47.67	ug/l	97
40) Benzene	6.72	78	401848	47.97	ug/l	97
41) Methacrylonitrile	5.77	41	30979	48.31	ug/l #	90
42) 1,2-Dichloroethane	6.84	62	124335	51.05	ug/l	96
43) Isopropyl Acetate	8.42	43	71820	50.32	ug/l #	95
44) Trichloroethene	7.76	130	98806	46.01	ug/l	99
45) 1,2-Dichloropropane	8.15	63	100387	47.84	ug/l	100
46) Dibromomethane	8.27	93	56913	52.03	ug/l	90
47) Bromodichloromethane	8.57	83	150257	51.88	ug/l	99
48) Methyl methacrylate	8.08	41	109590	49.09	ug/l	97
49) 1,4-Dioxane	8.30	88	7354	1016.23	ug/l #	80
51) 4-Methyl-2-Pentanone	9.48	43	264727	266.02	ug/l	94
52) Toluene	9.73	92	257526	51.55	ug/l	97
53) t-1,3-Dichloropropene	10.12	75	119232	54.37	ug/l	95
54) cis-1,3-Dichloropropene	9.24	75	147639	51.06	ug/l	94
55) 1,1,2-Trichloroethane	10.40	97	64679	54.53	ug/l	96
56) Ethyl methacrylate	10.24	69	65287	57.26	ug/l	98
57) 1,3-Dichloropropane	10.62	76	123013	54.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.04	63	158695	252.24	ug/l	97
59) 2-Hexanone	10.71	43	191609	270.19	ug/l	94
60) Dibromochloromethane	10.89	129	91446	55.38	ug/l	96
61) 1,2-Dibromoethane	11.02	107	66163	57.28	ug/l	99
64) Tetrachloroethene	10.48	164	99725	44.70	ug/l	94
65) Chlorobenzene	11.61	112	264091	48.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	97621	48.02	ug/l	98
67) Ethyl Benzene	11.73	91	557831	49.90	ug/l	99
68) m/p-Xylenes	11.89	106	352030	100.71	ug/l	96
69) o-Xylene	12.29	106	162424	52.17	ug/l	91
70) Styrene	12.32	104	278632	52.56	ug/l	96
71) Bromoform	12.51	173	53734	53.13	ug/l	99
73) Isopropylbenzene	12.68	105	491562	49.43	ug/l	98
74) N-amyl acetate	12.51	43	113440	51.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.99	83	74750	50.32	ug/l	92
76) 1,2,3-Trichloropropane	13.04	75	80814	50.27	ug/l	97
77) Bromobenzene	12.98	156	118183	48.17	ug/l	94
78) n-propylbenzene	13.08	91	684491	49.73	ug/l	97
79) 2-Chlorotoluene	13.16	91	371217	48.89	ug/l	99
80) 1,3,5-Trimethylbenzene	13.26	105	386767	50.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.75	75	21005	51.19	ug/l	96
82) 4-Chlorotoluene	13.28	91	439165	49.44	ug/l	97
83) tert-Butylbenzene	13.54	119	357961m	55.01	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	390802	50.52	ug/l	97
85) sec-Butylbenzene	13.74	105	511405	50.98	ug/l	97
86) p-Isopropyltoluene	13.88	119	409017	51.82	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	219572	49.58	ug/l	97
88) 1,4-Dichlorobenzene	13.94	146	215058	49.13	ug/l	97
89) n-Butylbenzene	14.22	91	463364	52.66	ug/l	98
90) Hexachloroethane	14.48	117	90028	51.07	ug/l	88
91) 1,2-Dichlorobenzene	14.24	146	187383	51.75	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.89	75	9776	53.39	ug/l	82

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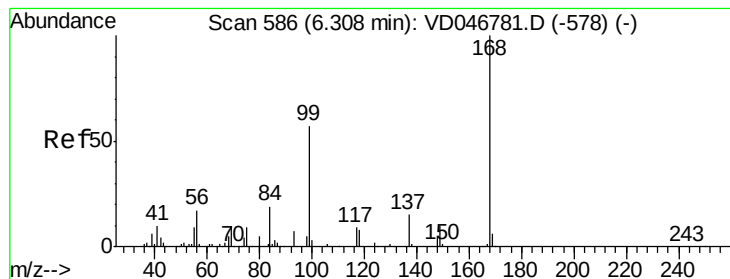
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	112474	52.31	ug/l	98
94) Hexachlorobutadiene	15.69	225	89645	51.16	ug/l	97
95) Naphthalene	15.83	128	141825	56.92	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	95156	53.32	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion:168 Resp: 204772

Ion Ratio Lower Upper

168 100

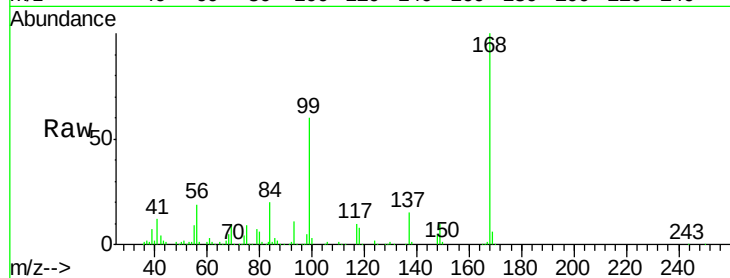
99 59.6 42.4 63.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.31

80000

60000

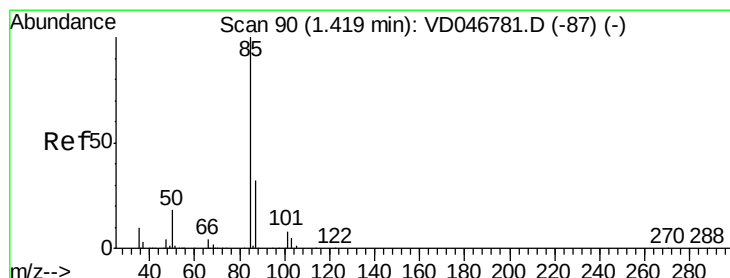
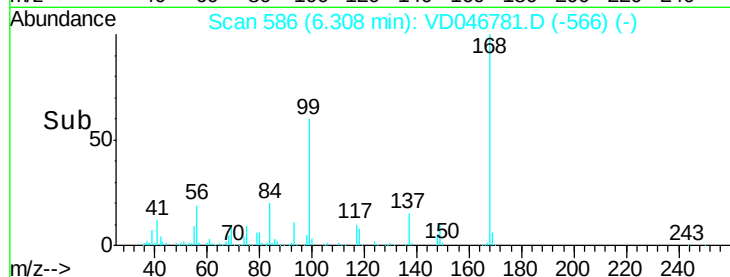
40000

20000

0

6.20 6.30 6.40

Time-->



#2

Dichlorodifluoromethane

Concen: 39.68 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VD046781.D

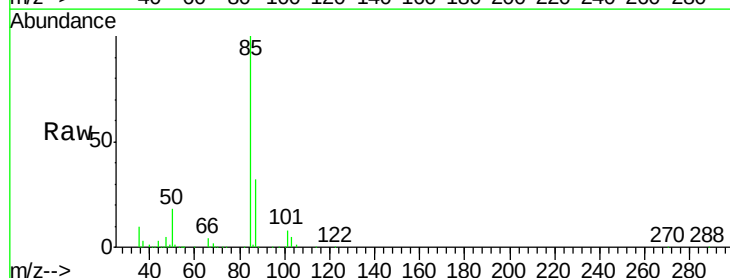
Acq: 18 Sep 2015 13:15

Tgt Ion: 85 Resp: 93562

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.42

80000

60000

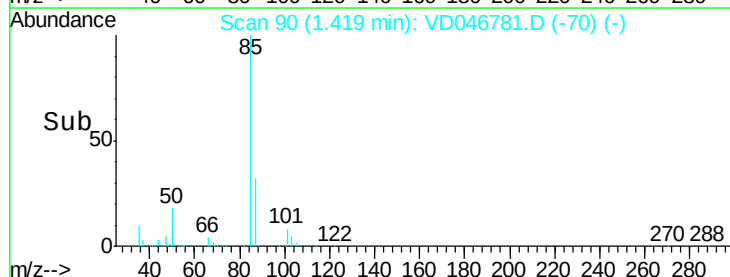
40000

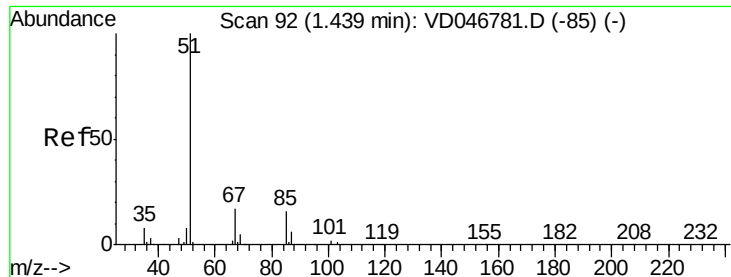
20000

0

1.35 1.40 1.45 1.50 1.55

Time-->





#3

Chlorodifluoromethane

Concen: 39.00 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Tgt Ion: 51 Resp: 81188

Ion Ratio Lower Upper

51 100

67 16.2 10.9 16.3

Instrument :

MSVOA_D

ClientSampleId :

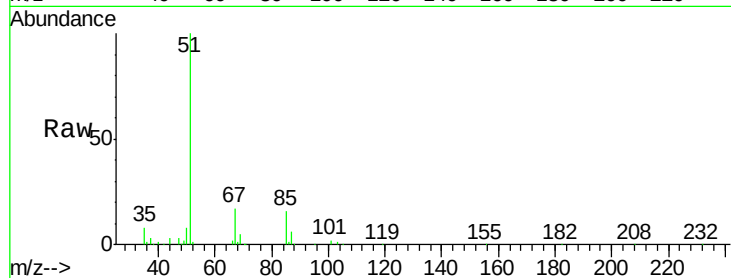
VSTDICCC050

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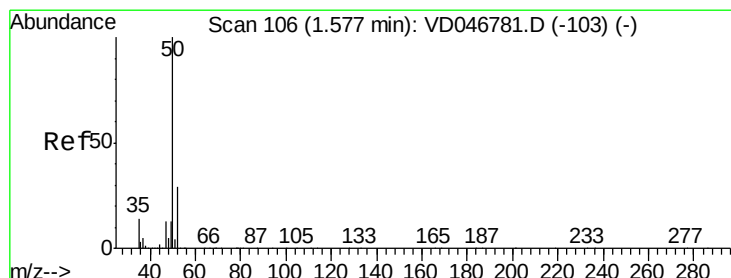
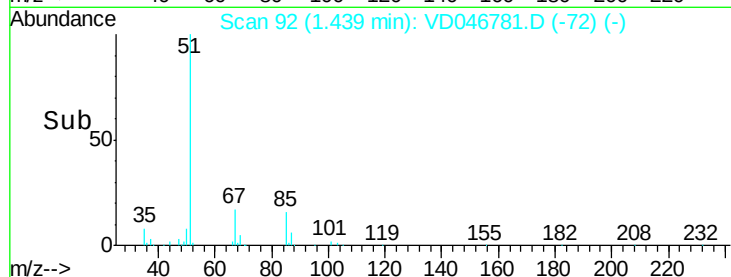
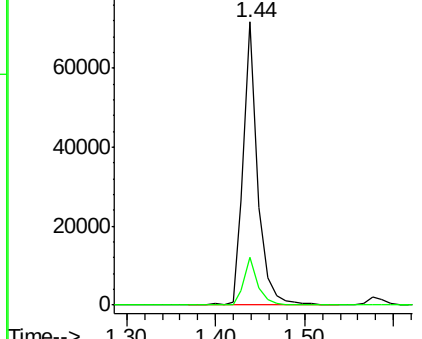
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 40.51 ug/l

RT: 1.58 min Scan# 106

Delta R.T. 0.00 min

Lab File: VD046781.D

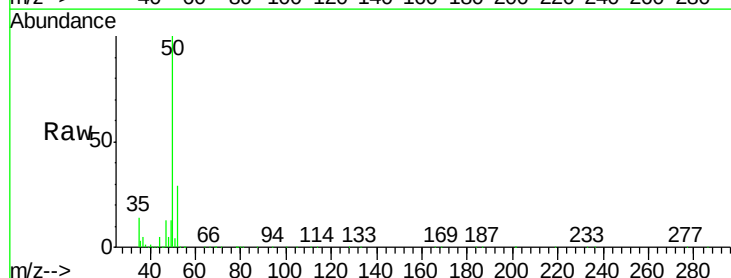
Acq: 18 Sep 2015 13:15

Tgt Ion: 50 Resp: 57910

Ion Ratio Lower Upper

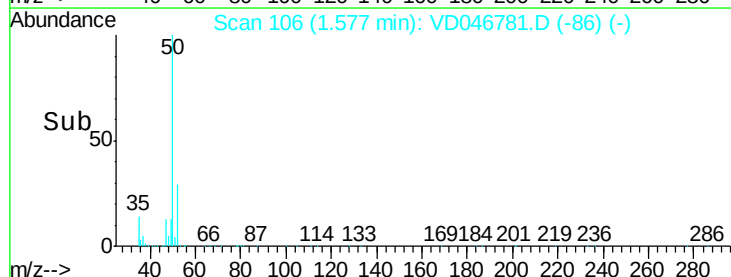
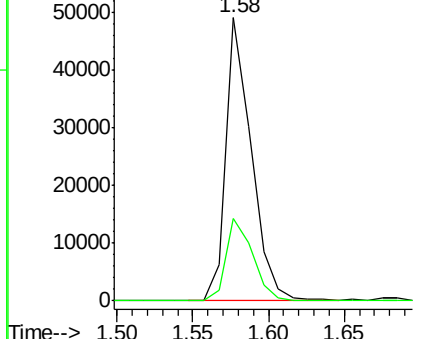
50 100

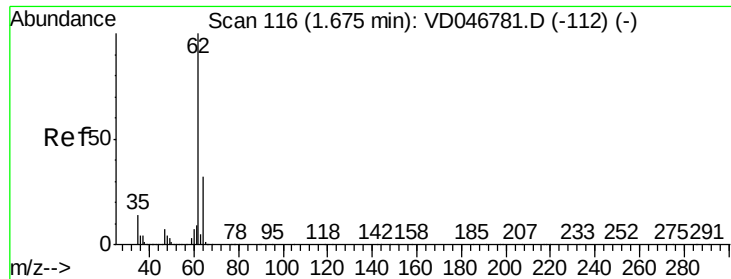
52 29.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 43.19 ug/l

RT: 1.68 min Scan# 116

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 62 Resp: 55513

Ion Ratio Lower Upper

62 100

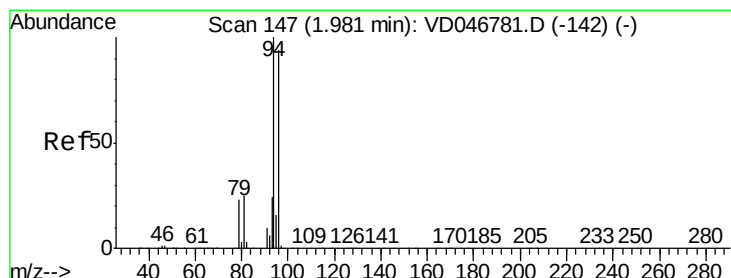
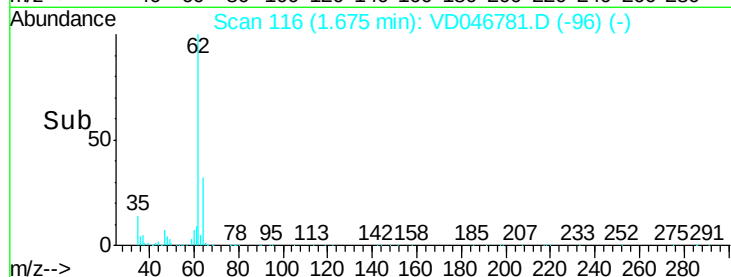
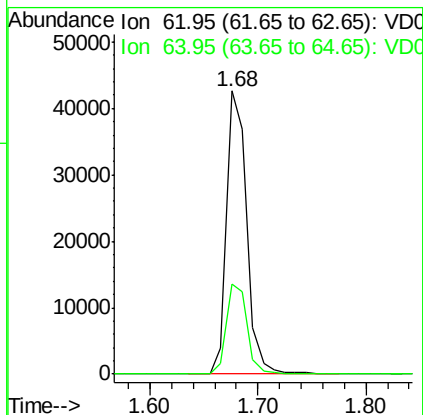
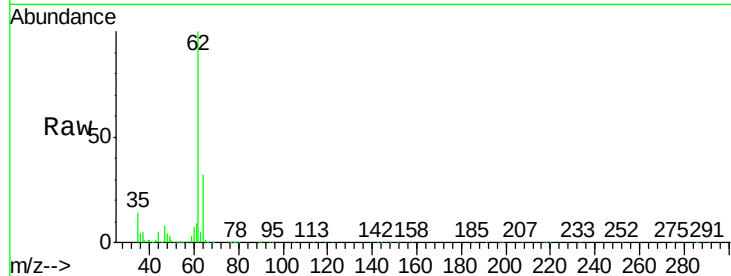
64 31.8 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 45.44 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD046781.D

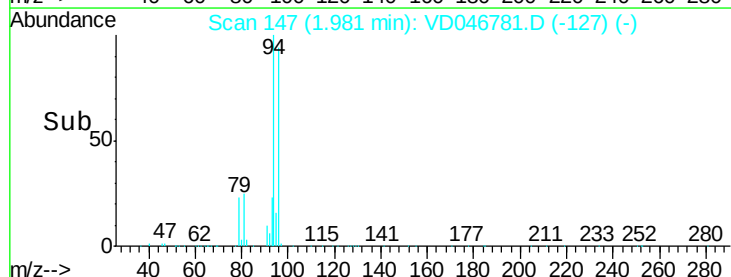
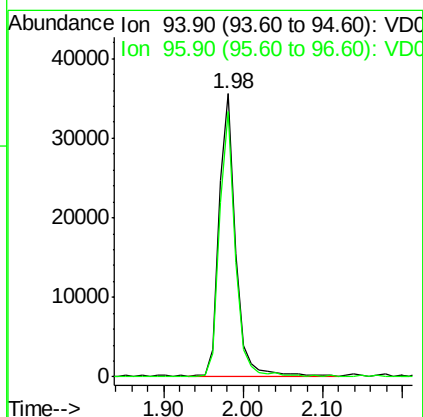
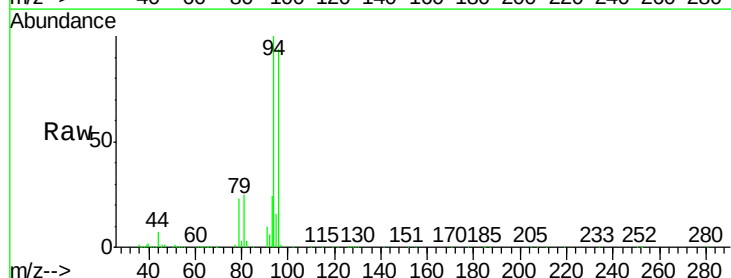
Acq: 18 Sep 2015 13:15

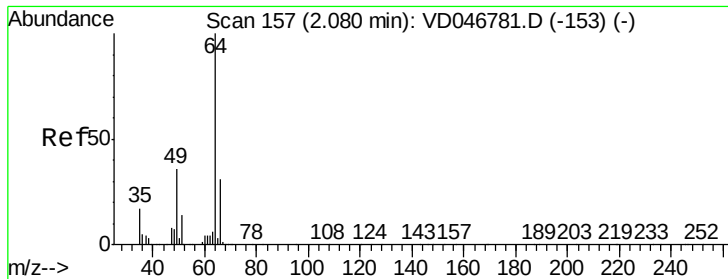
Tgt Ion: 94 Resp: 51555

Ion Ratio Lower Upper

94 100

96 93.6 76.0 114.0





#7

Chloroethane

Concen: 45.90 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 64 Resp: 34903

Ion Ratio Lower Upper

64 100

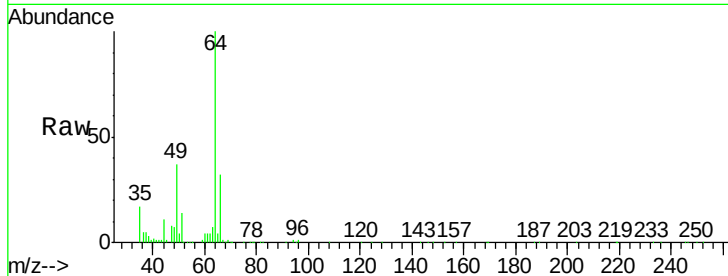
66 31.6 26.6 39.8

Manual Integrations

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Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.08

20000

15000

10000

5000

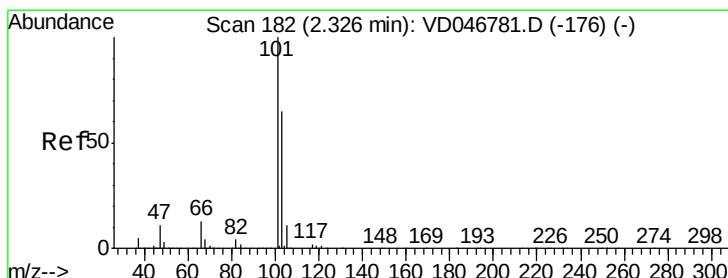
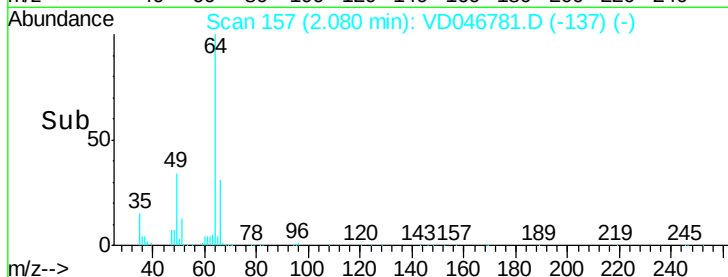
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Time-->

2.00

2.10

2.20



#8

Trichlorofluoromethane

Concen: 50.20 ug/l

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD046781.D

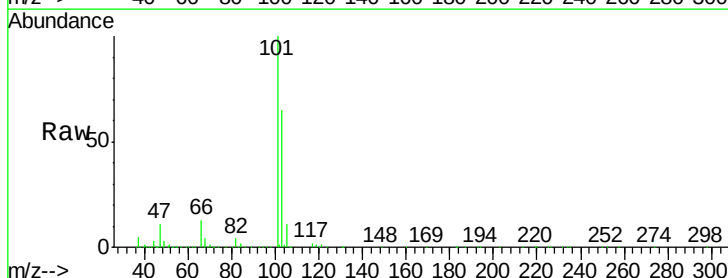
Acq: 18 Sep 2015 13:15

Tgt Ion: 101 Resp: 161617

Ion Ratio Lower Upper

101 100

103 65.2 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.33

100000

80000

60000

40000

20000

0

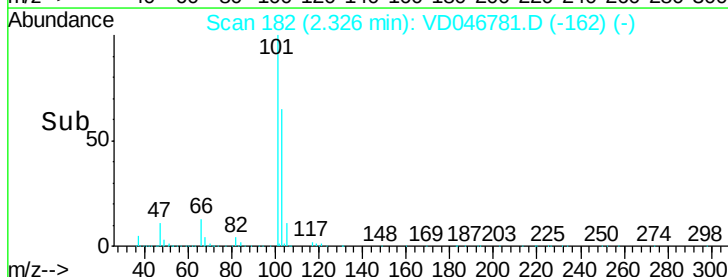
Time-->

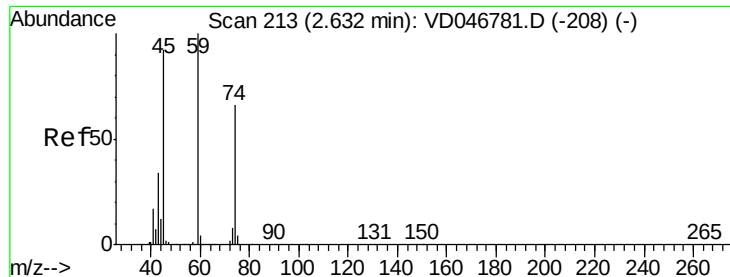
2.20

2.30

2.40

2.50





#9

Diethyl Ether

Concen: 48.01 ug/l

RT: 2.63 min Scan# 213

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 74 Resp: 32117

Ion Ratio Lower Upper

74 100

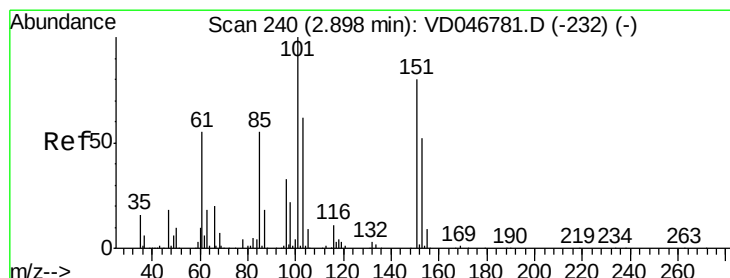
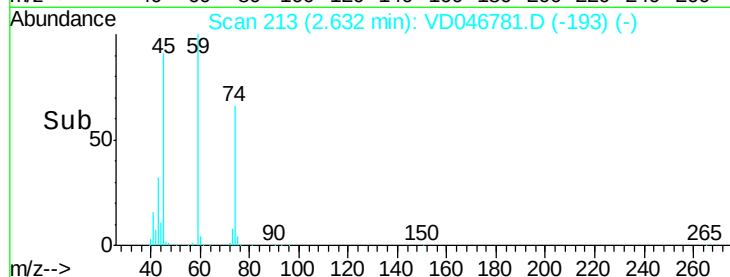
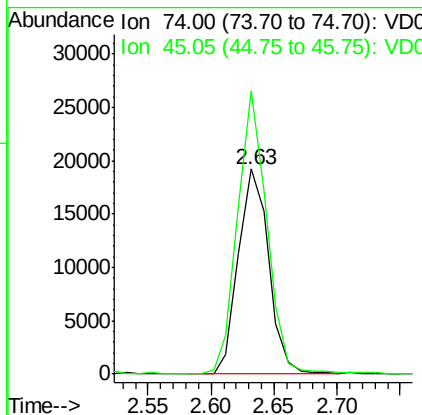
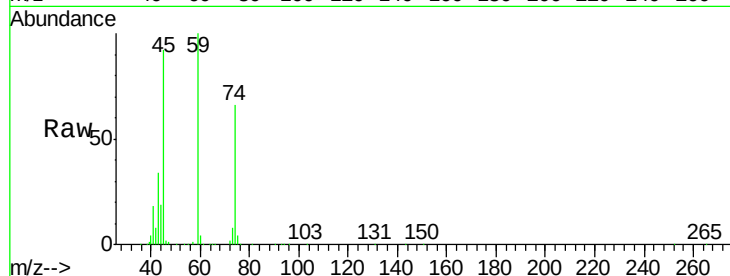
45 138.2 76.2 228.6

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 46.43 ug/l

RT: 2.90 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

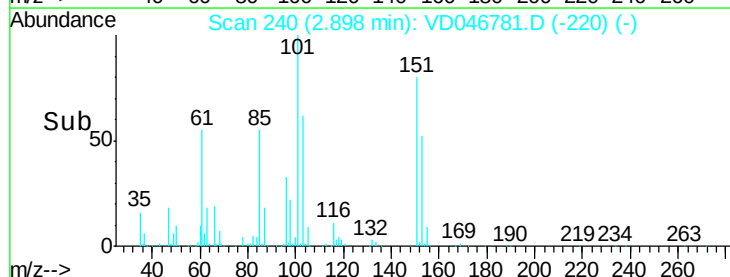
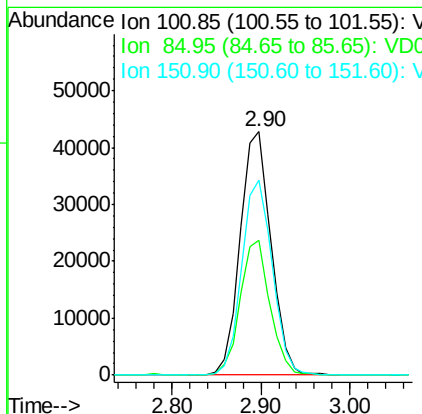
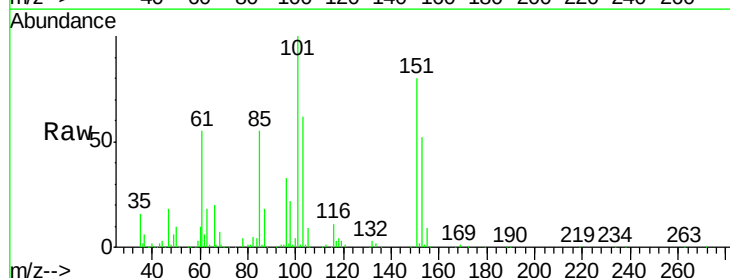
Tgt Ion: 101 Resp: 102754

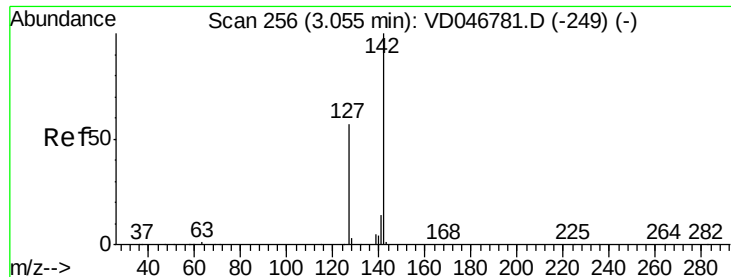
Ion Ratio Lower Upper

101 100

85 55.1 42.0 63.0

151 79.9 65.2 97.8





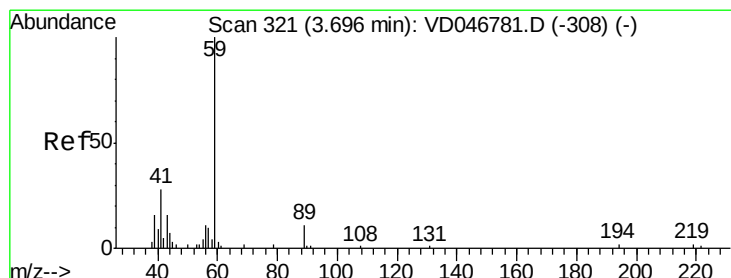
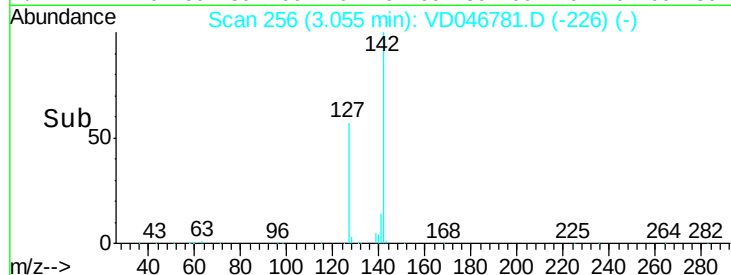
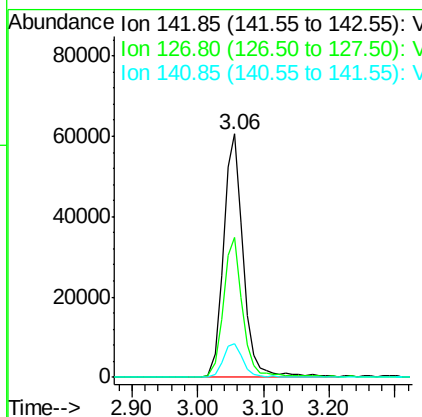
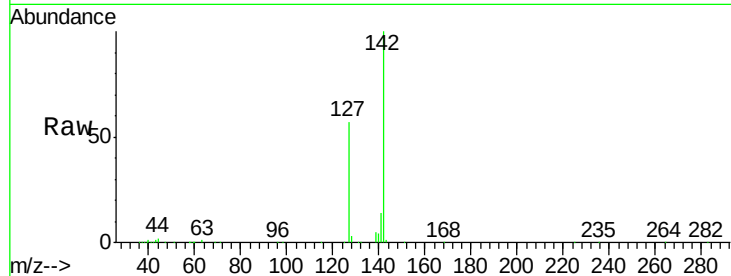
#11
Methyl Iodide
Concen: 49.44 ug/l
RT: 3.06 min Scan# 256
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
142	100		
127	57.4	41.2	61.8
141	14.0	11.6	17.4

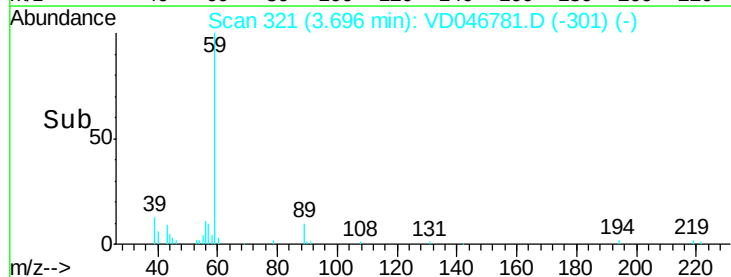
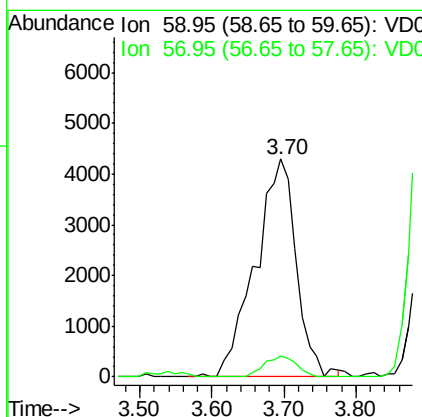
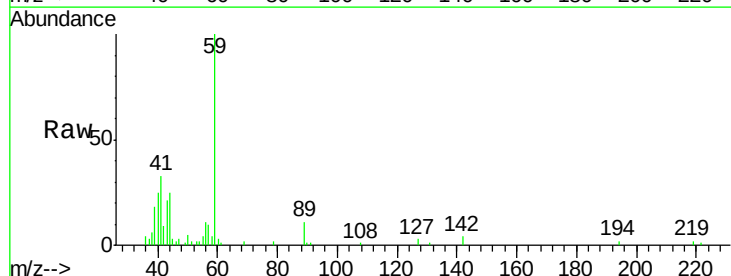
Manual Integrations
APPROVED

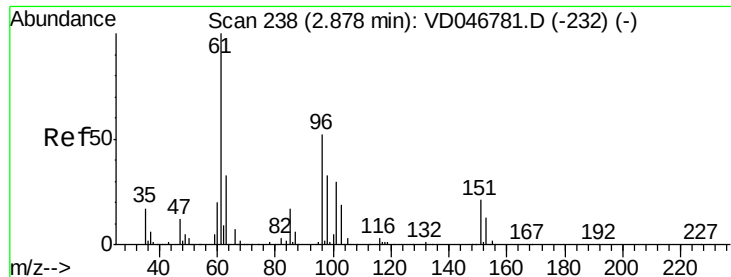
MMDadoda
9/21/2015 11:38:44 AM



#12
Tert butyl alcohol
Concen: 333.69 ug/l
RT: 3.70 min Scan# 321
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6





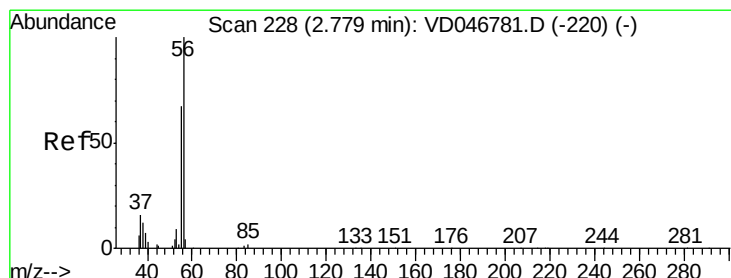
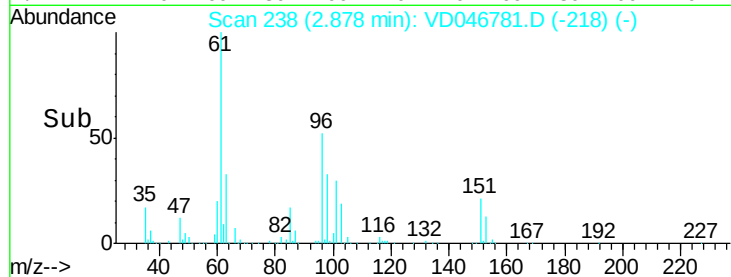
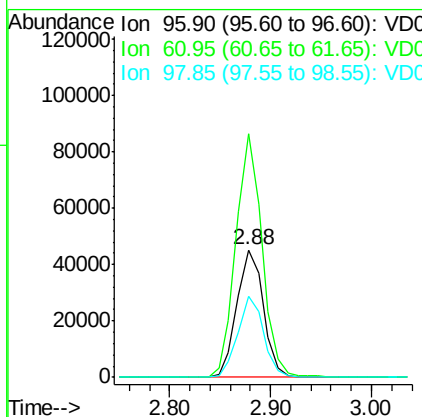
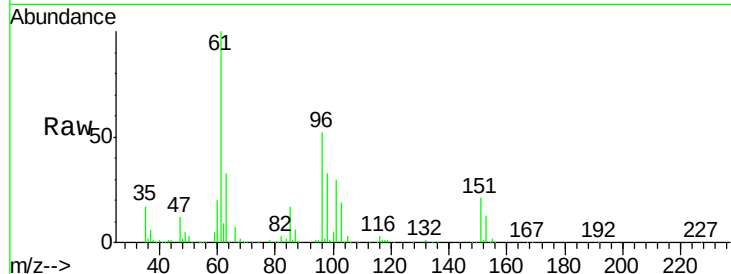
#13
 1,1-Dichloroethene
 Concen: 45.75 ug/l
 RT: 2.88 min Scan# 238
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.4	152.2	228.4
98	63.9	51.2	76.8

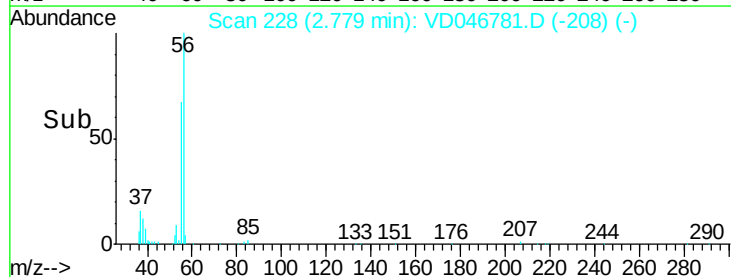
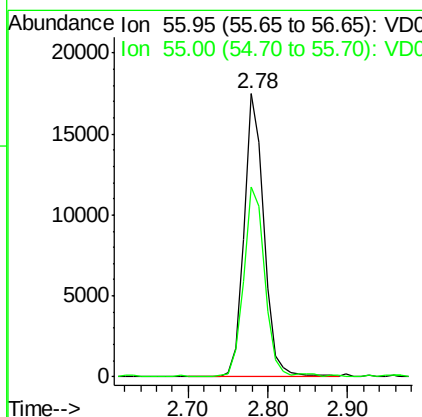
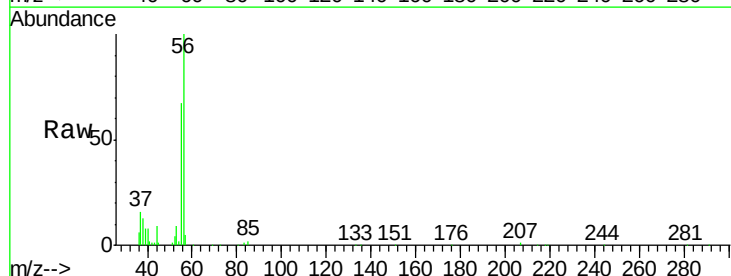
Manual Integrations
 APPROVED

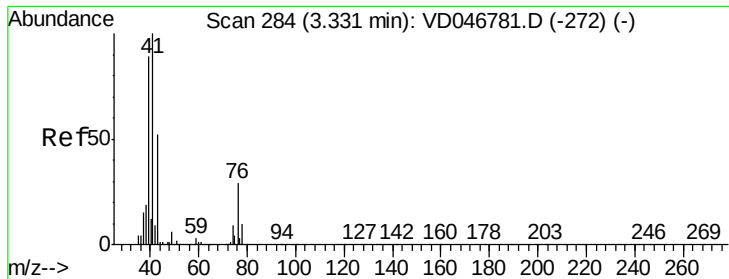
MMDadoda
 9/21/2015 11:38:44 AM



#14
 Acrolein
 Concen: 277.92 ug/l
 RT: 2.78 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
56	100		
55	67.3	62.6	93.8





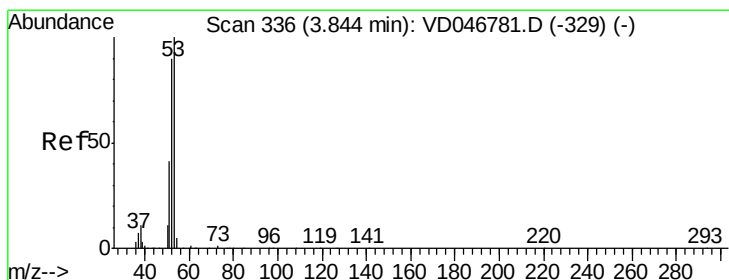
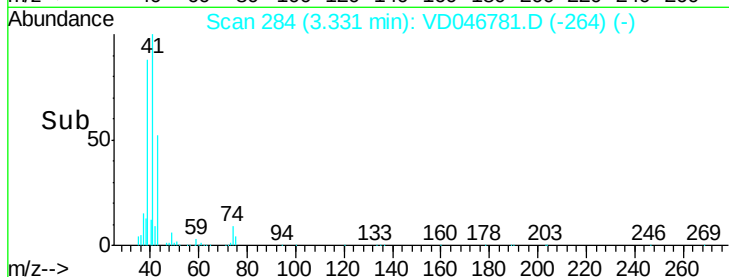
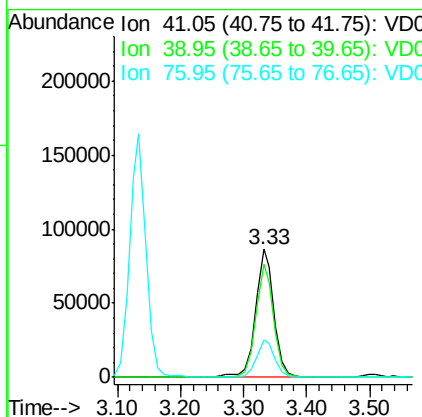
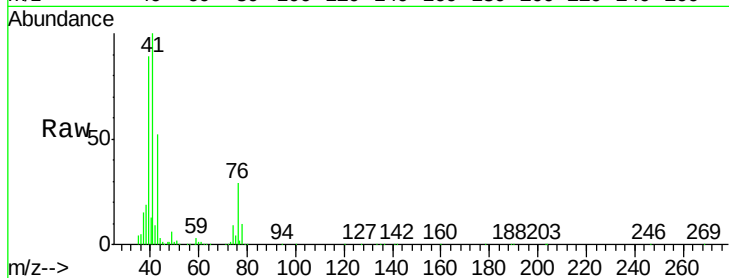
#15
 Allyl chloride
 Concen: 45.42 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	88.5	58.8	88.2#
76	29.3	22.7	34.1

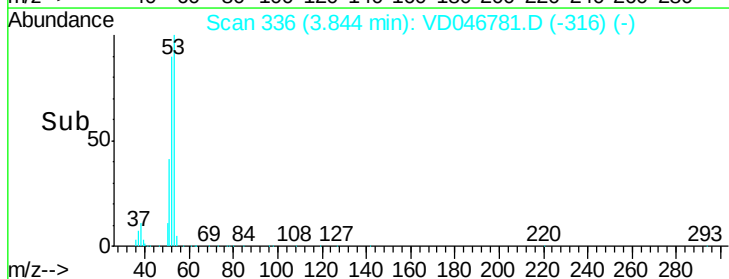
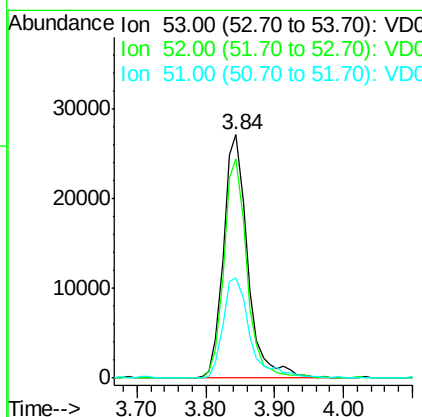
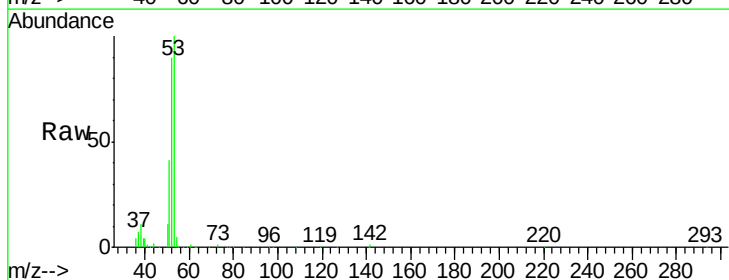
Manual Integrations
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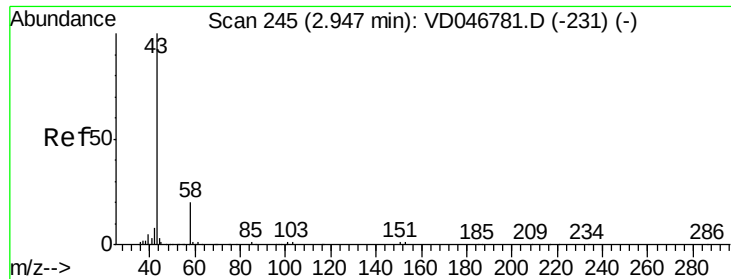
MMDadoda
 9/21/2015 11:38:44 AM



#16
 Acrylonitrile
 Concen: 232.47 ug/l
 RT: 3.84 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
53	100		
52	90.1	66.8	100.2
51	41.3	31.2	46.8





#17

Acetone

Concen: 234.62 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 91807
Ion Ratio Lower Upper

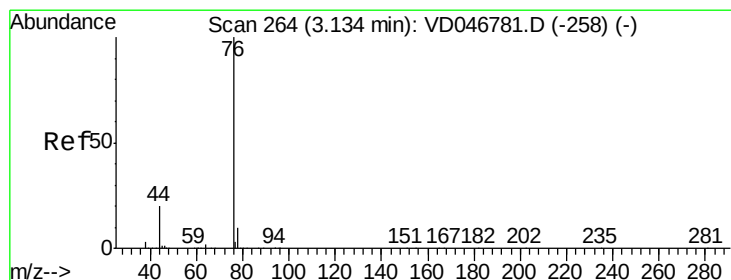
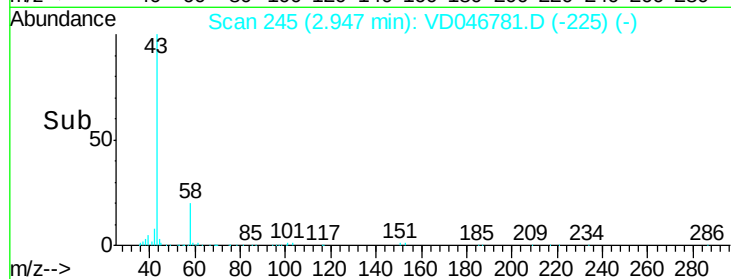
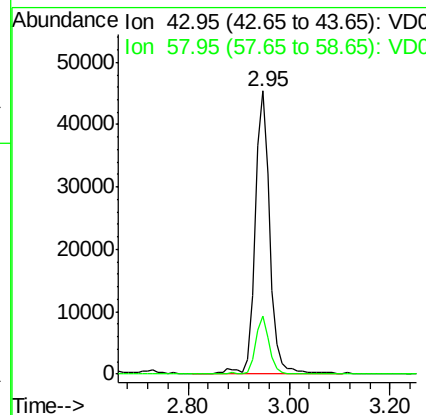
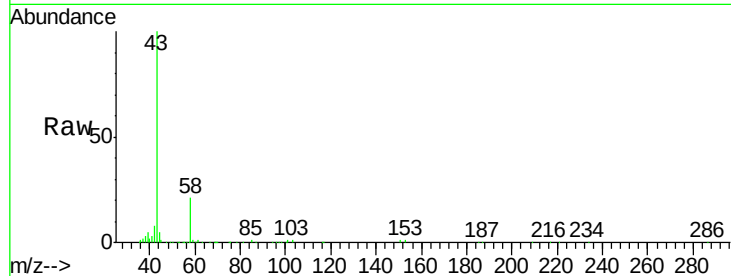
43 100

58 20.5 16.6 24.8

Manual Integrations
APPROVED

MMDadoda

9/21/2015 11:38:44 AM



#18

Carbon Disulfide

Concen: 41.77 ug/l

RT: 3.13 min Scan# 264

Delta R.T. 0.00 min

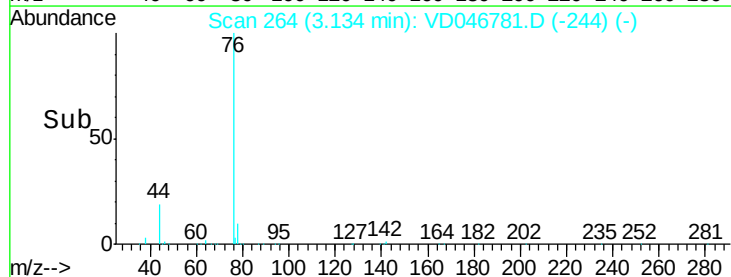
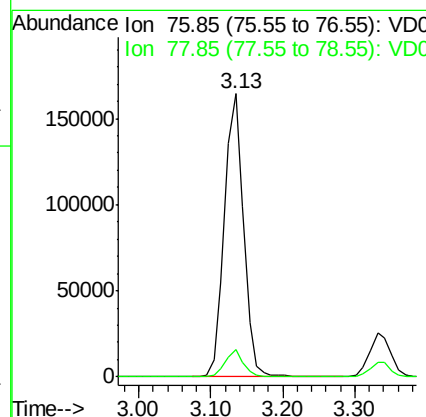
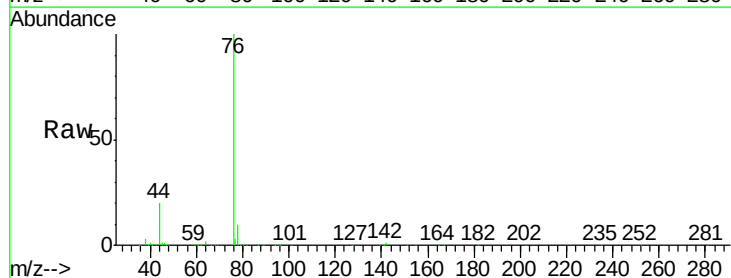
Lab File: VD046781.D

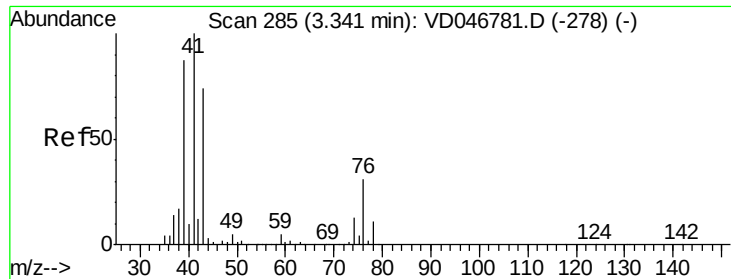
Acq: 18 Sep 2015 13:15

Tgt Ion: 76 Resp: 302030
Ion Ratio Lower Upper

76 100

78 9.7 8.0 12.0





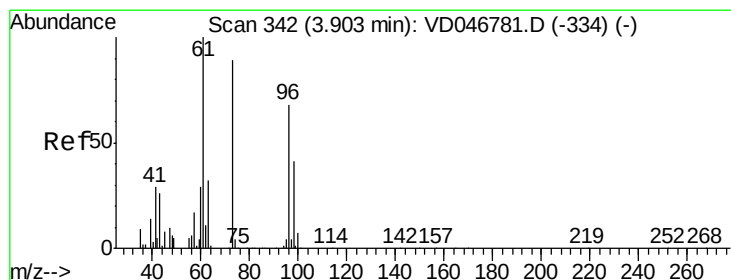
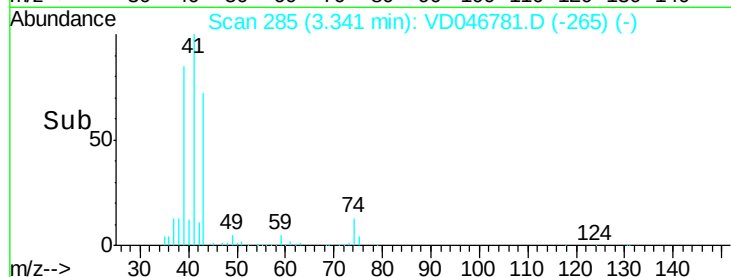
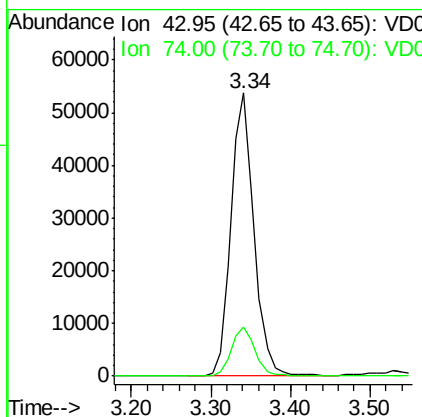
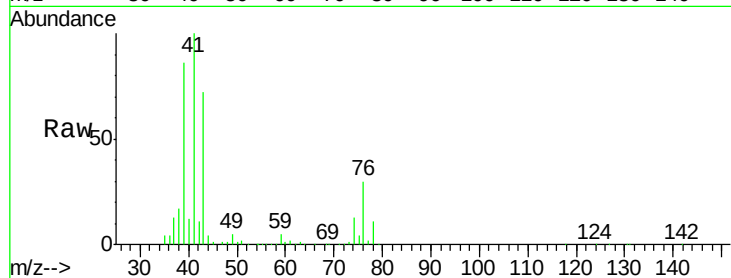
#19
Methyl Acetate
Concen: 46.21 ug/l
RT: 3.34 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 108401
Ion Ratio Lower Upper
43 100
74 17.5 13.7 20.5

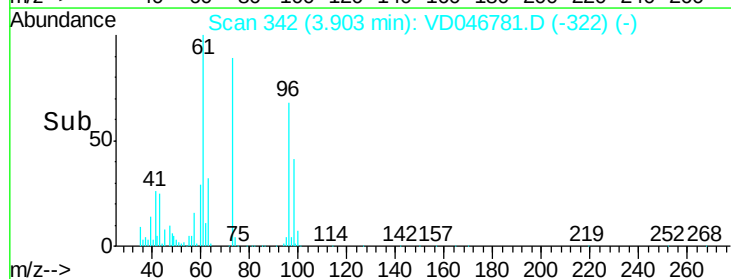
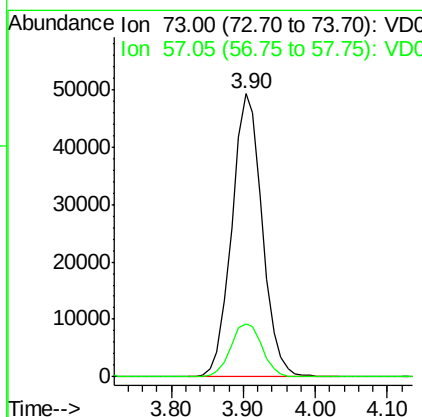
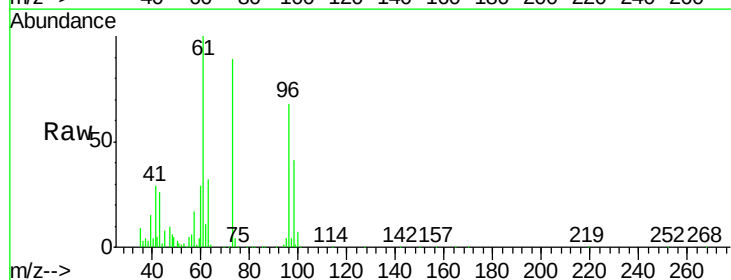
Manual Integrations
APPROVED

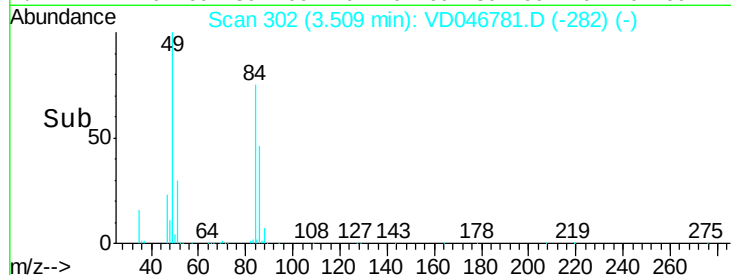
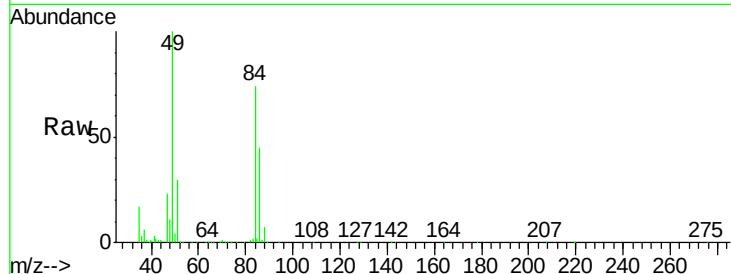
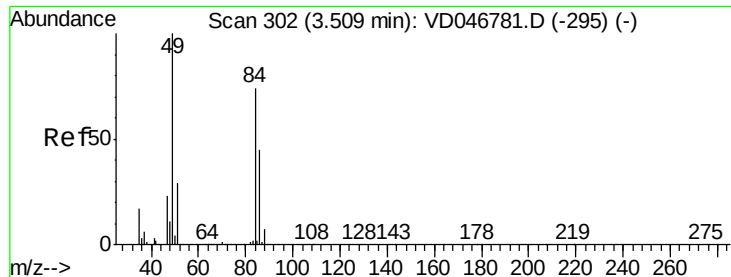
MMDadoda
9/21/2015 11:38:44 AM



#20
Methyl tert-butyl Ether
Concen: 52.70 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

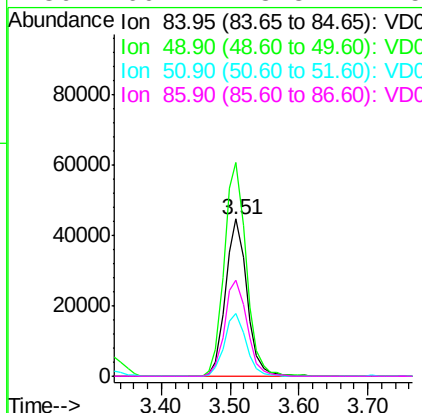
Tgt Ion: 73 Resp: 144481
Ion Ratio Lower Upper
73 100
57 18.9 18.1 27.1





#21
Methylene Chloride
Concen: 45.63 ug/l
RT: 3.51 min Scan# 302
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

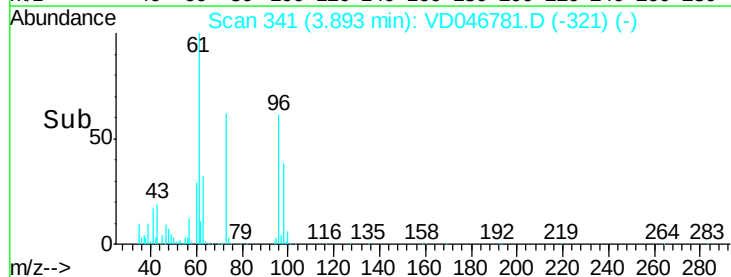
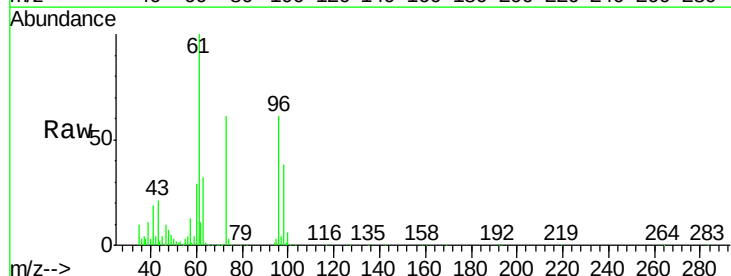
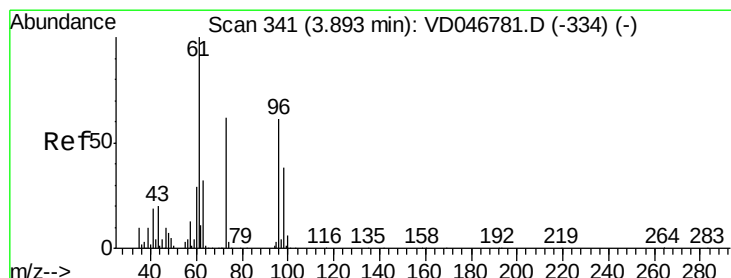
Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.9	122.1	183.1
51	40.1	33.6	50.4
86	60.7	48.3	72.5



Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

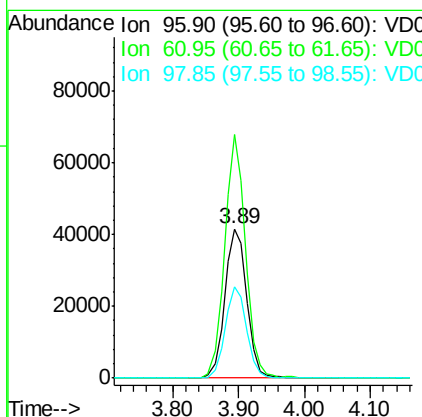
Manual Integrations
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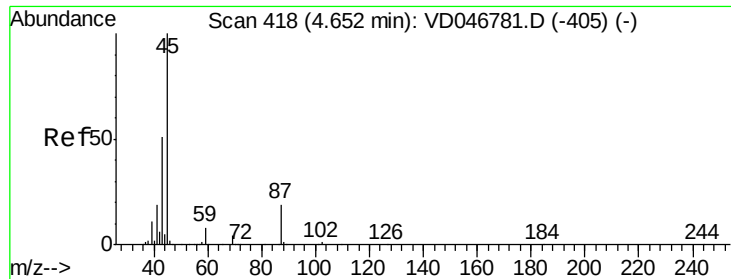
MMDadoda
9/21/2015 11:38:44 AM



#22
trans-1,2-Dichloroethene
Concen: 46.68 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	125.8	188.6
98	61.4	54.5	81.7





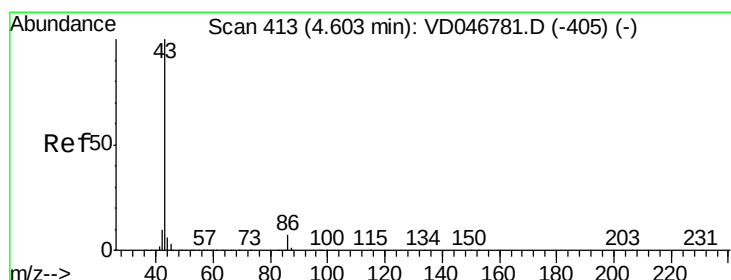
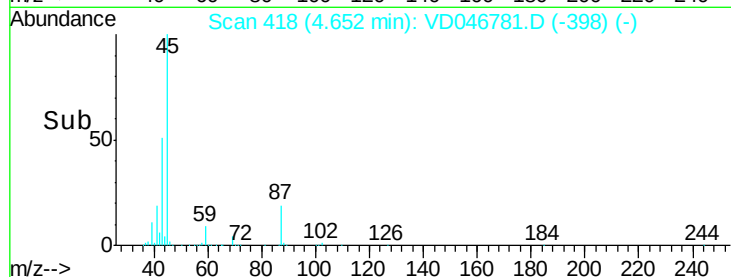
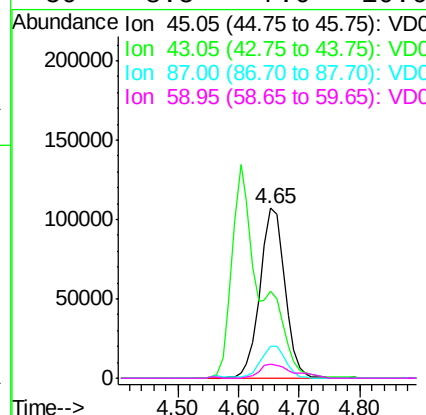
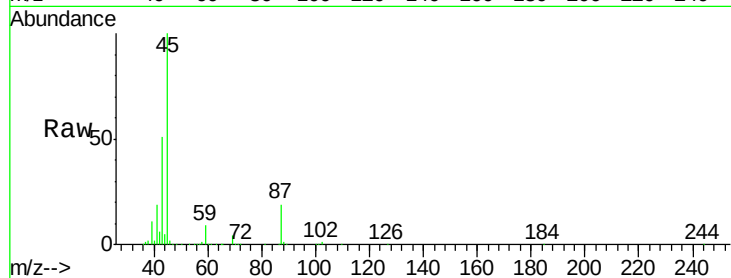
#23
Diisopropyl ether
Concen: 47.52 ug/l
RT: 4.65 min Scan# 418
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
45	100		
43	51.0	35.9	53.9
87	19.2	13.0	19.6
59	8.5	7.0	10.6

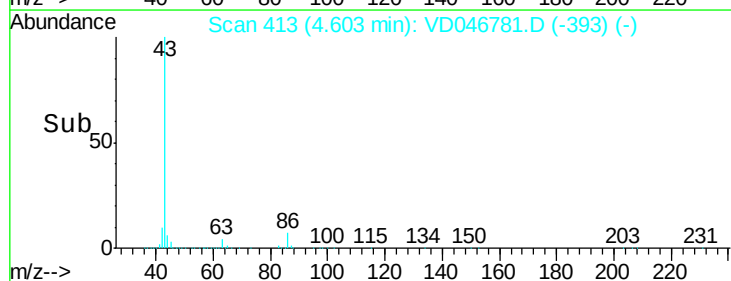
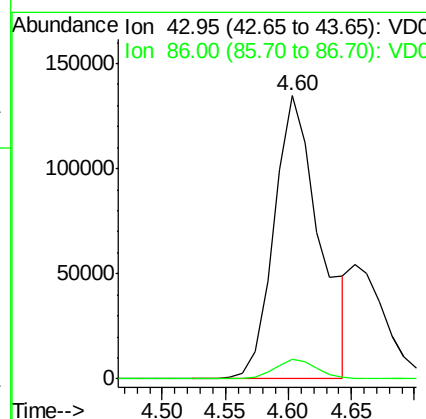
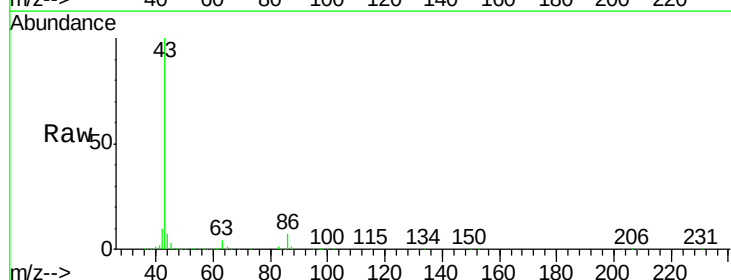
Manual Integrations
APPROVED

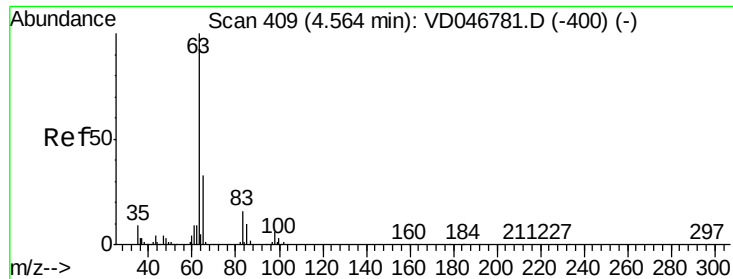
MMDadoda
9/21/2015 11:38:44 AM



#24
Vinyl Acetate
Concen: 261.37 ug/l
RT: 4.60 min Scan# 413
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.9	4.9	7.3





#25

1,1-Dichloroethane

Concen: 46.04 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

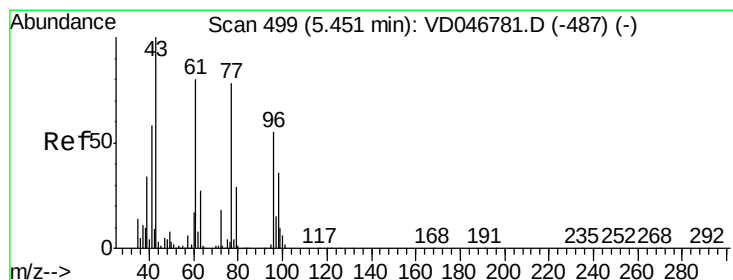
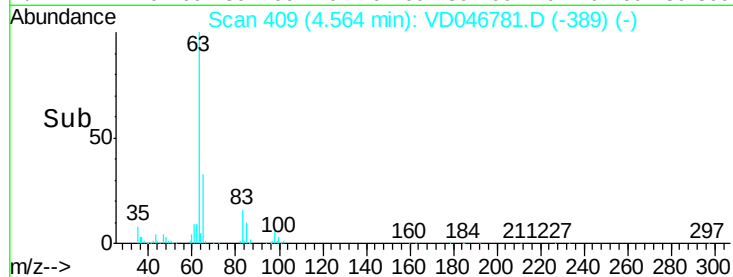
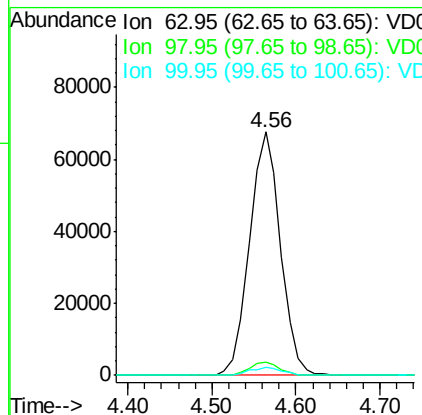
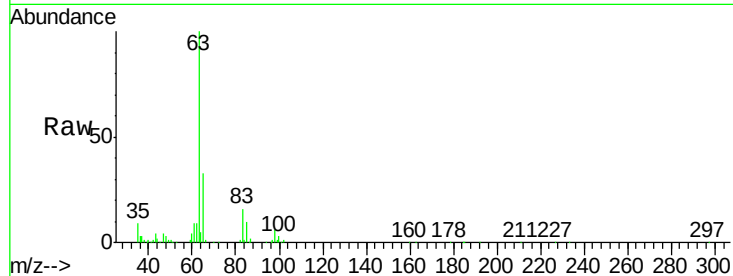
ClientSampleId :

VSTDICCC050

Tgt Ion:	63	Resp:	173643
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.5	7.5
100	3.2	1.5	4.5

Manual Integrations
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MMDadoda
9/21/2015 11:38:44 AM



#26

2-Butanone

Concen: 236.76 ug/l

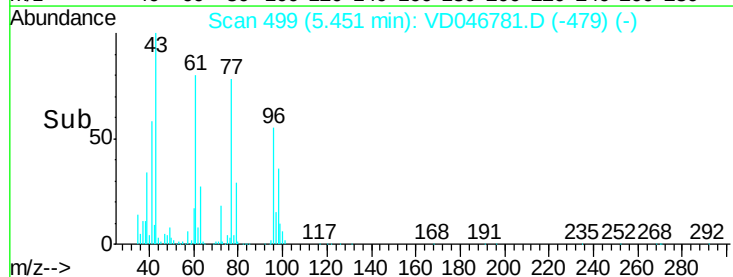
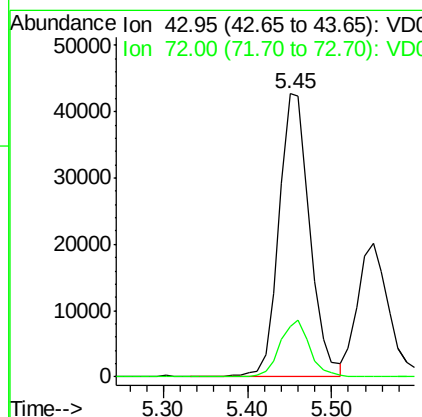
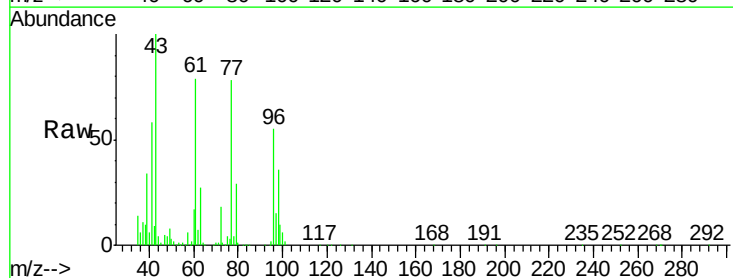
RT: 5.45 min Scan# 499

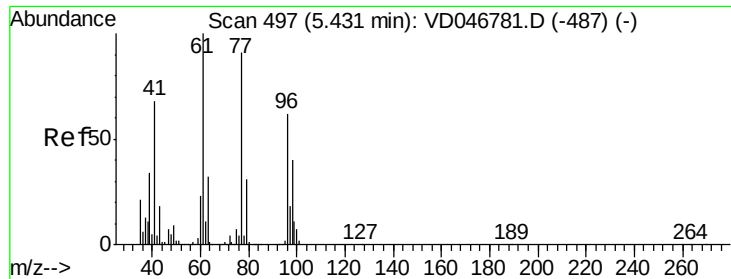
Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Tgt Ion:	43	Resp:	108477
Ion Ratio	Lower	Upper	
43	100		
72	17.9	13.4	20.0





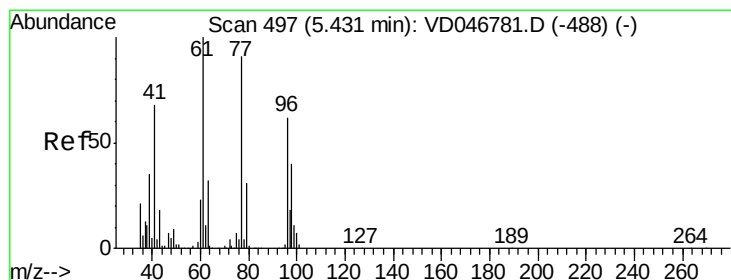
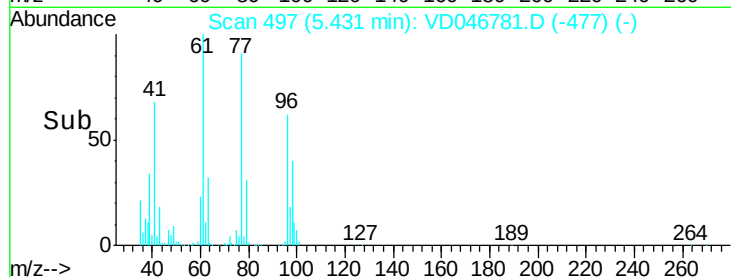
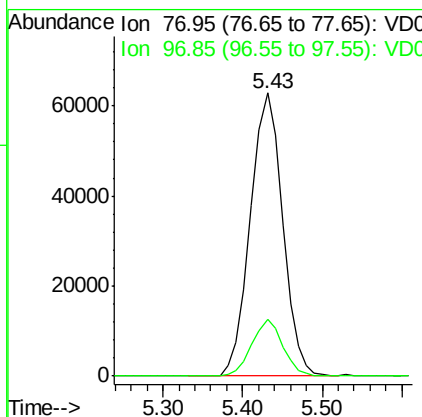
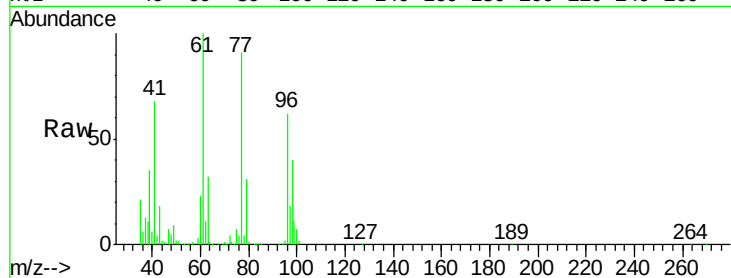
#27
 2,2-Dichloropropane
 Concen: 50.00 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 77 Resp: 176484
 Ion Ratio Lower Upper
 77 100
 97 20.0 10.4 31.1

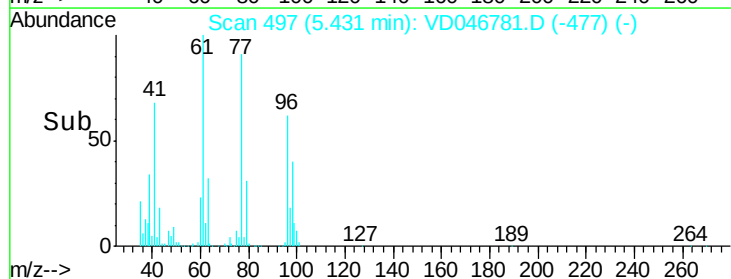
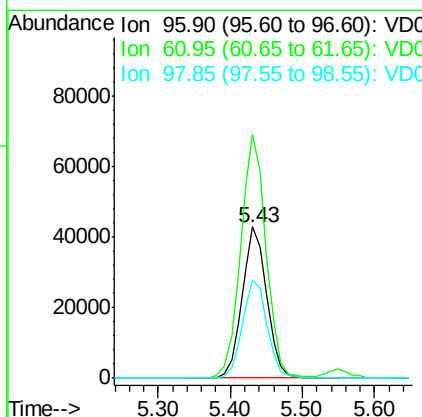
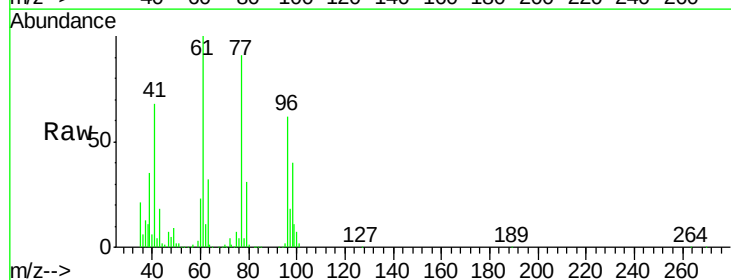
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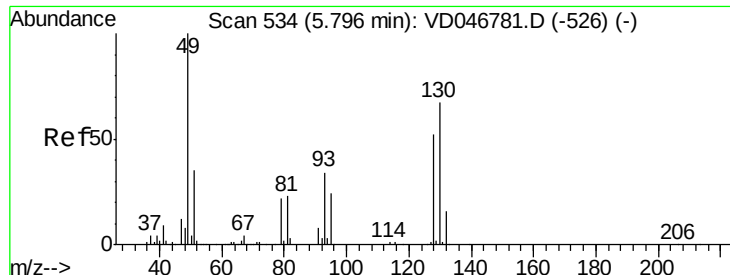
MMDadoda
 9/21/2015 11:38:44 AM



#28
 cis-1,2-Dichloroethene
 Concen: 48.07 ug/l
 RT: 5.43 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion: 96 Resp: 101753
 Ion Ratio Lower Upper
 96 100
 61 161.1 0.0 348.0
 98 64.7 0.0 128.8





#29

Bromochloromethane

Concen: 42.37 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 49 Resp: 63202

Ion Ratio Lower Upper

49 100

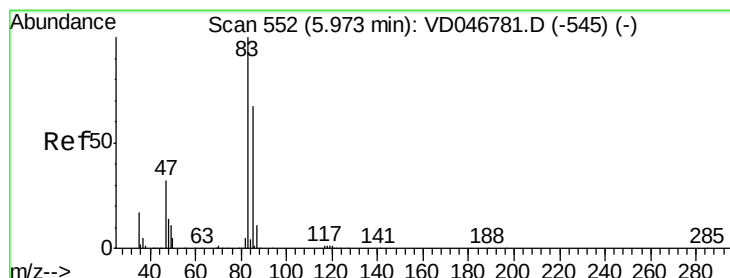
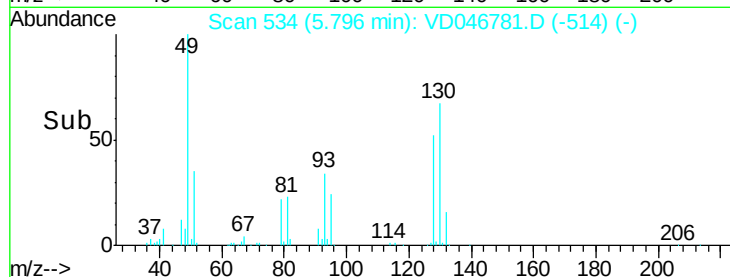
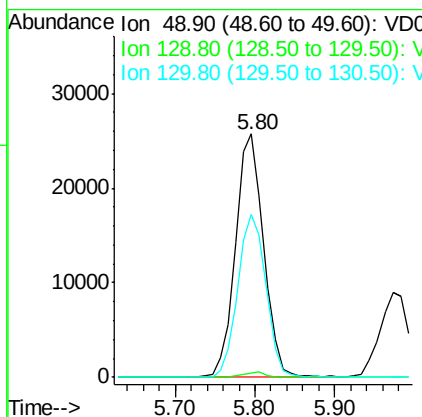
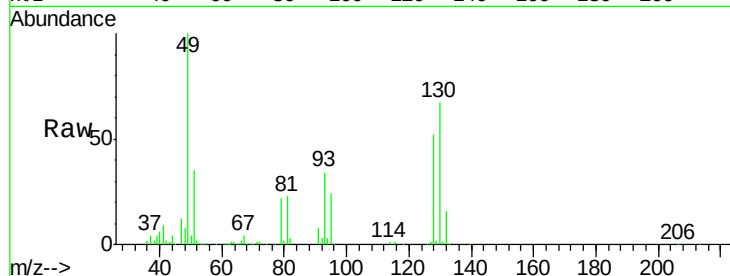
129 1.8 0.0 2.8

130 67.2 50.2 75.4

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#30

Chloroform

Concen: 49.52 ug/l

RT: 5.97 min Scan# 552

Delta R.T. 0.00 min

Lab File: VD046781.D

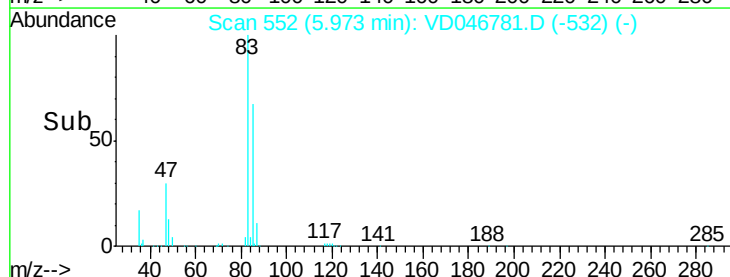
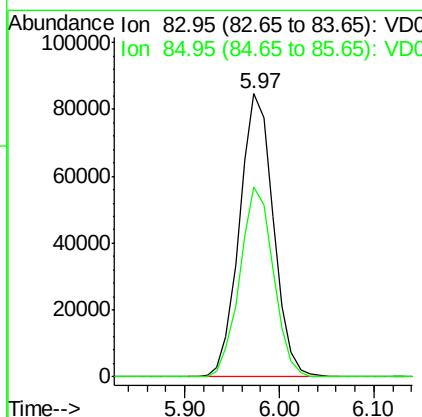
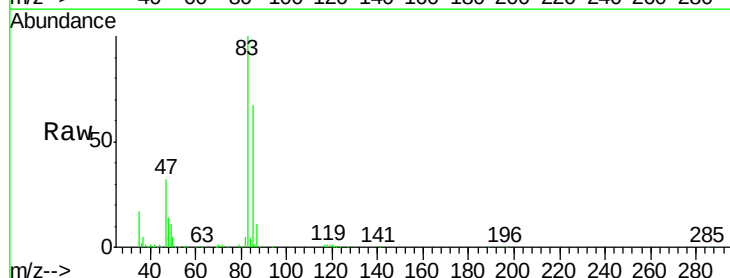
Acq: 18 Sep 2015 13:15

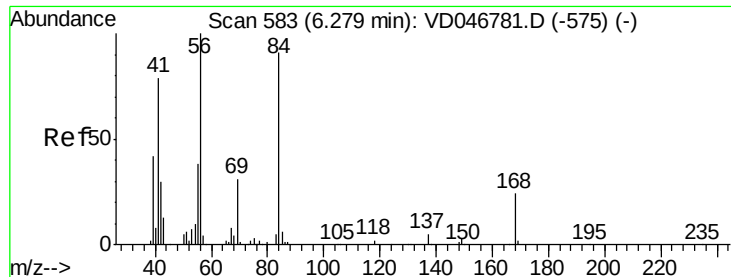
Tgt Ion: 83 Resp: 210759

Ion Ratio Lower Upper

83 100

85 67.3 52.5 78.7





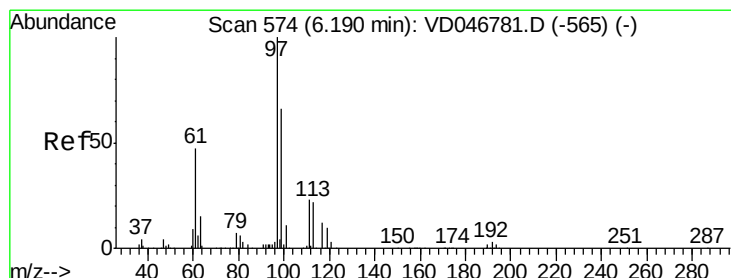
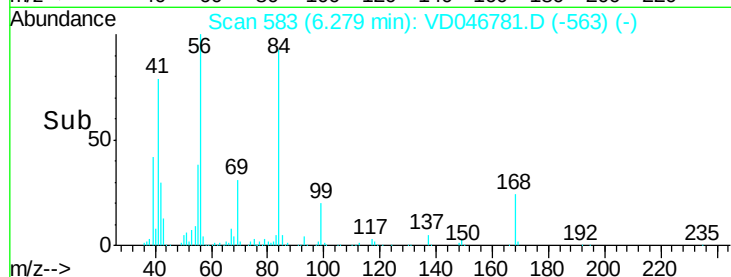
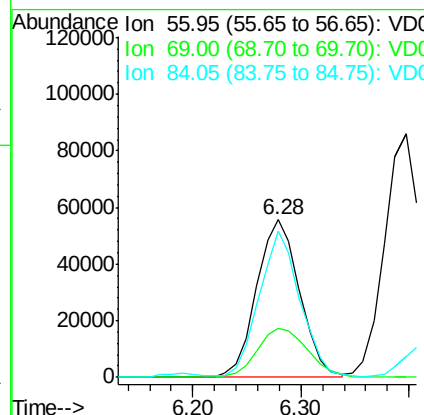
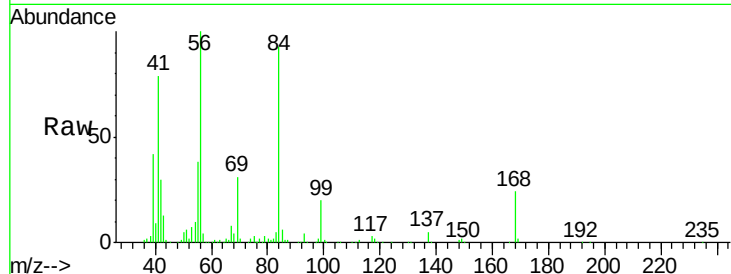
#31
Cyclohexane
Concen: 41.80 ug/l
RT: 6.28 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.4	35.0
84	92.9	63.8	95.8

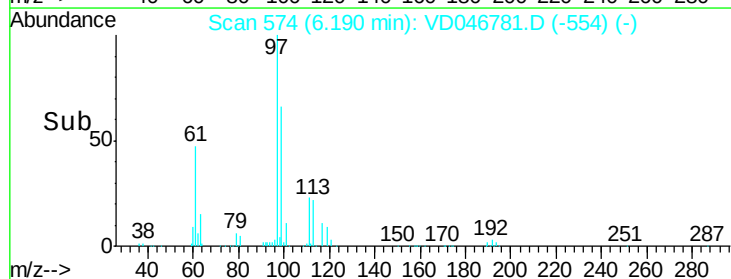
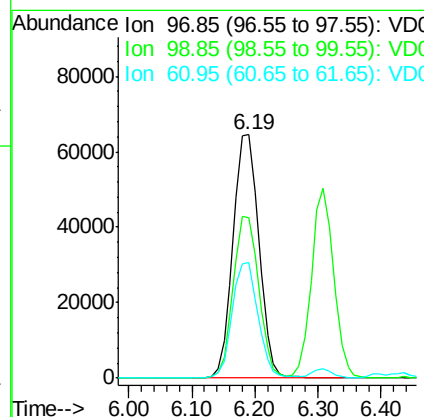
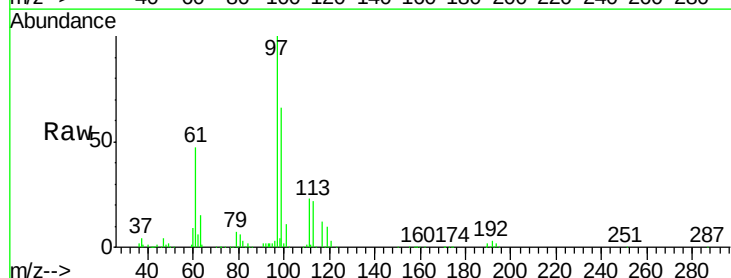
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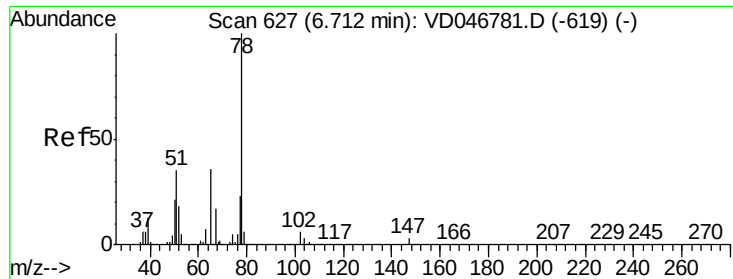
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#32
1,1,1-Trichloroethane
Concen: 50.66 ug/l
RT: 6.19 min Scan# 574
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	50.2	75.4
61	47.2	38.6	57.8





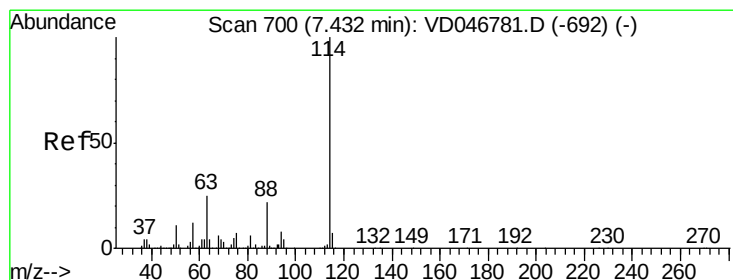
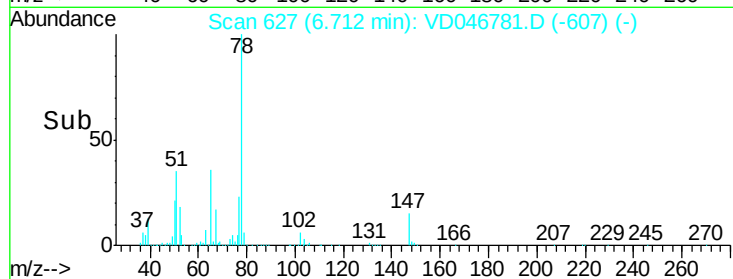
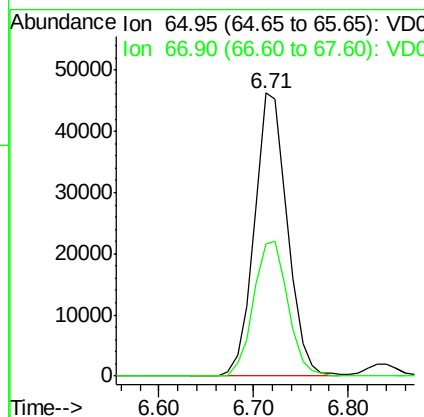
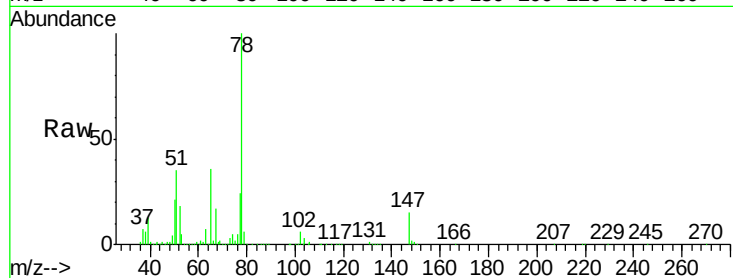
#33
 1,2-Dichloroethane-d4
 Concen: 50.66 ug/l
 RT: 6.71 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	112212		
67	46.6	0.0	105.4	

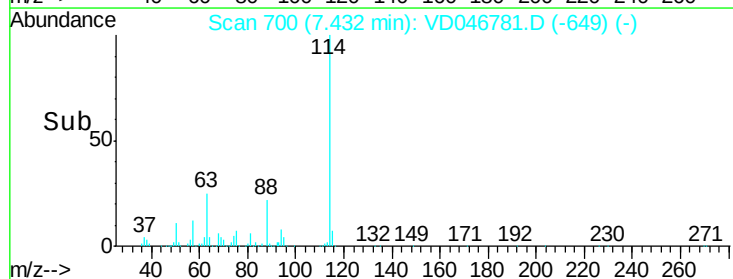
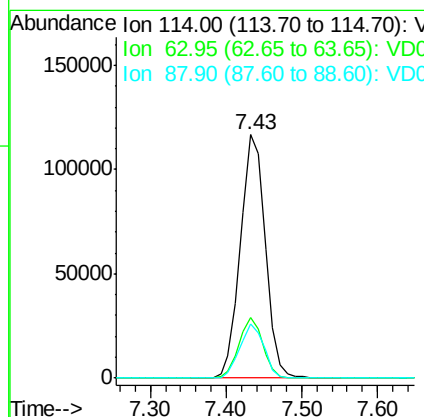
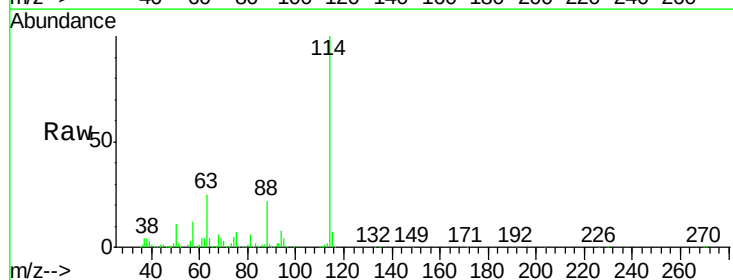
Manual Integrations
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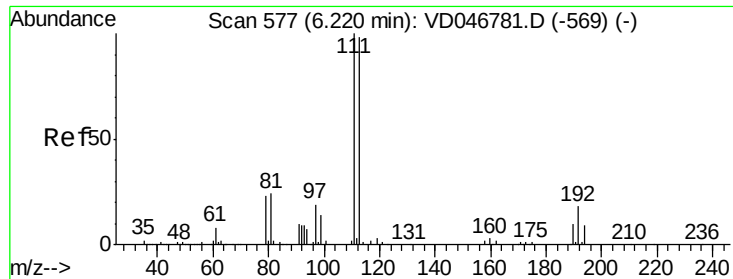
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	266559		
63	24.7	0.0	49.8	
88	22.0	0.0	43.6	





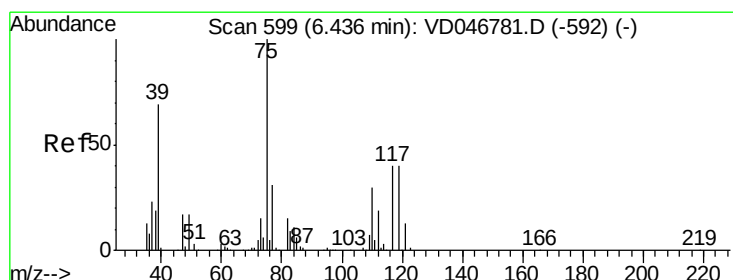
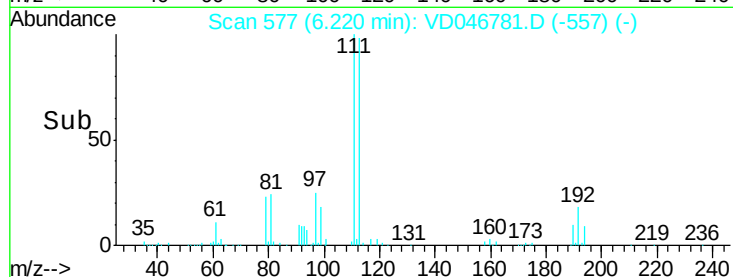
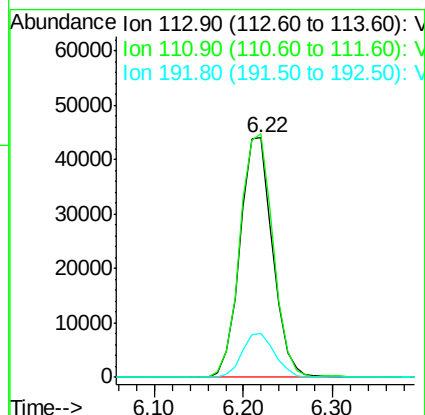
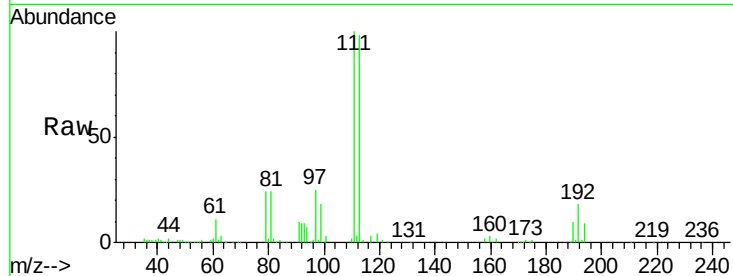
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.22 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	111477		
111	101.8	79.4	119.0	
192	18.3	14.6	22.0	

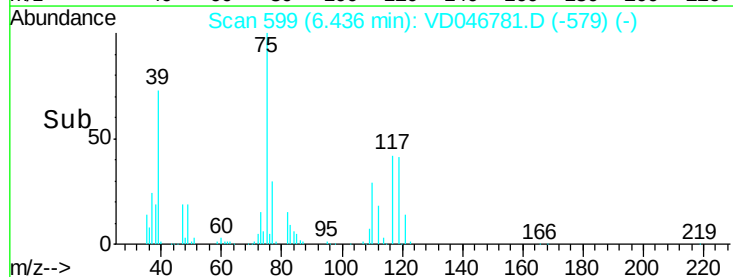
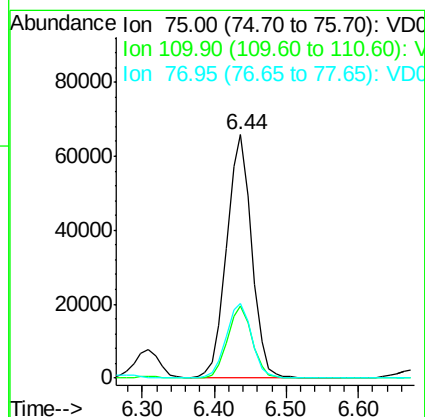
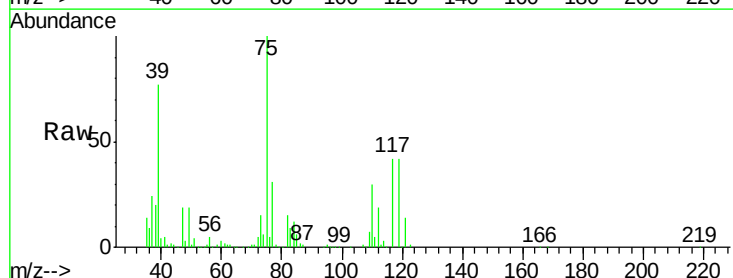
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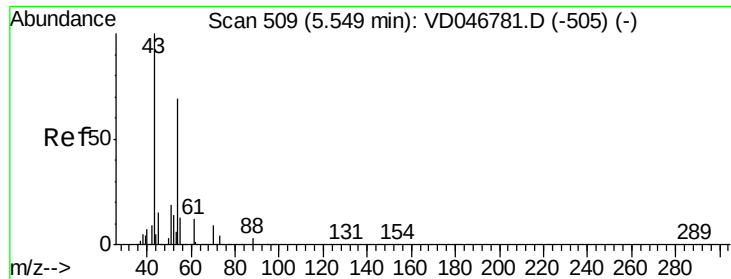
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#36
1,1-Dichloropropene
Concen: 48.13 ug/l
RT: 6.44 min Scan# 599
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	158308		
110	29.5	13.7	41.0	
77	30.6	24.7	37.1	





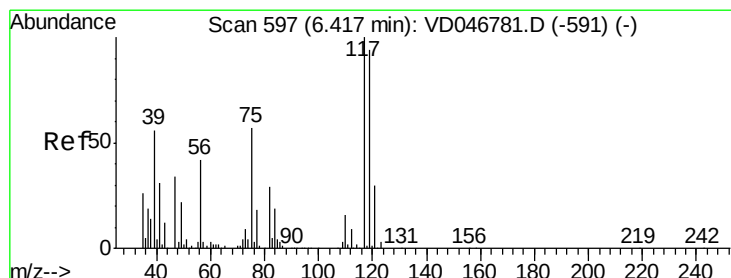
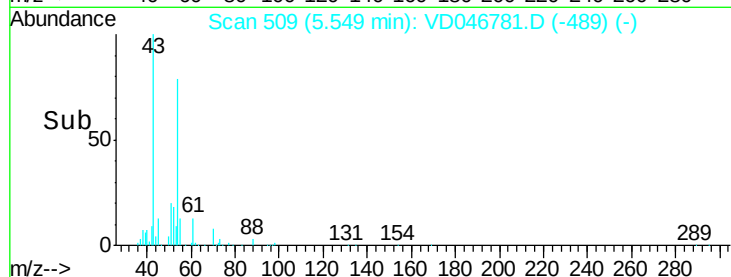
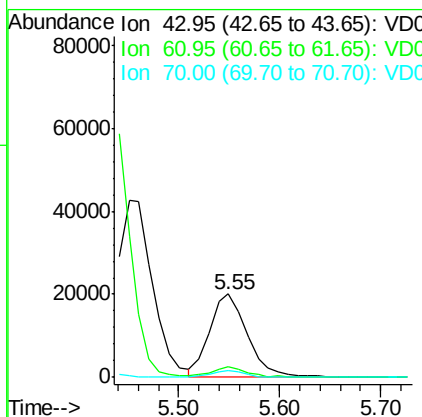
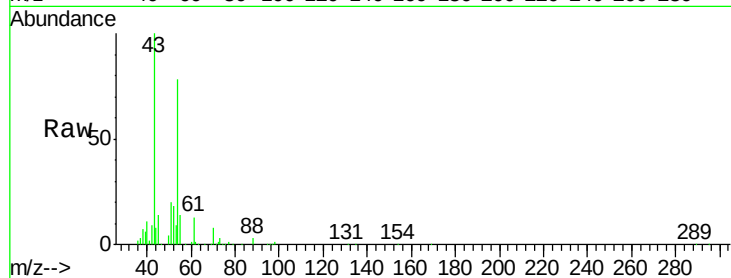
#37
Ethyl Acetate
Concen: 51.20 ug/l
RT: 5.55 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:	43	Resp:	51689
Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.4	14.2
70	8.2	6.0	9.0

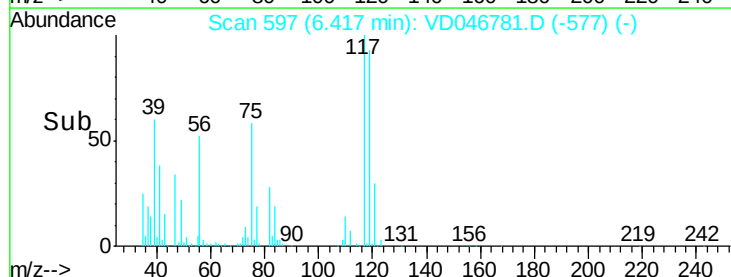
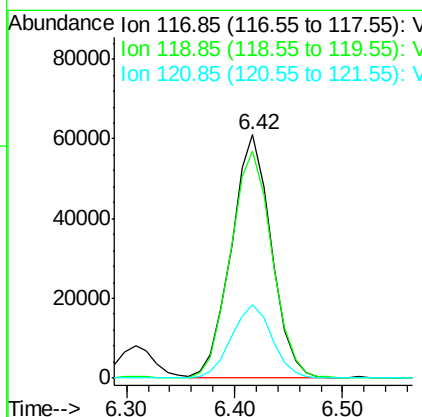
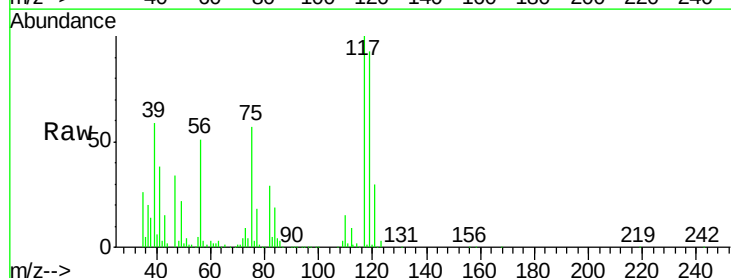
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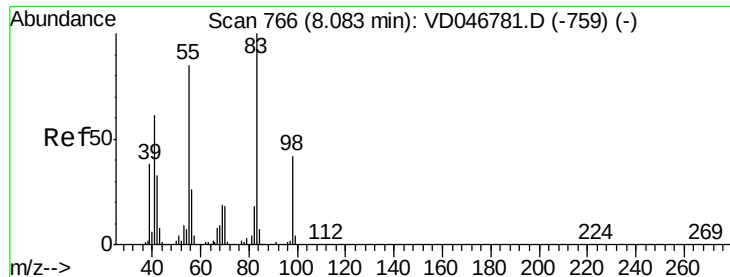
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#38
Carbon Tetrachloride
Concen: 50.15 ug/l
RT: 6.42 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion:	117	Resp:	156306
Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.2	114.4
121	30.2	24.5	36.7





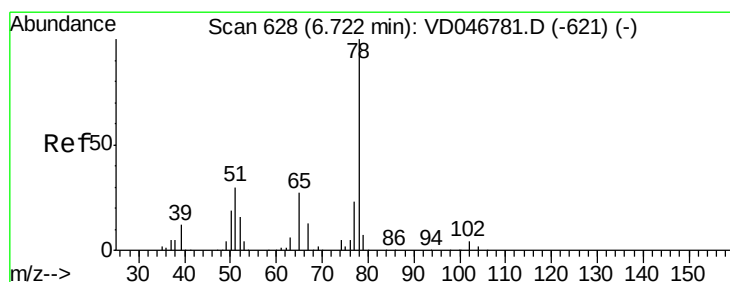
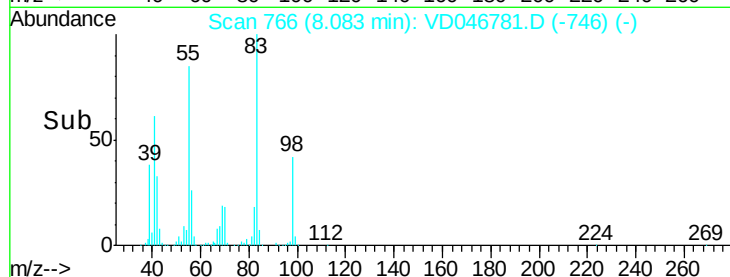
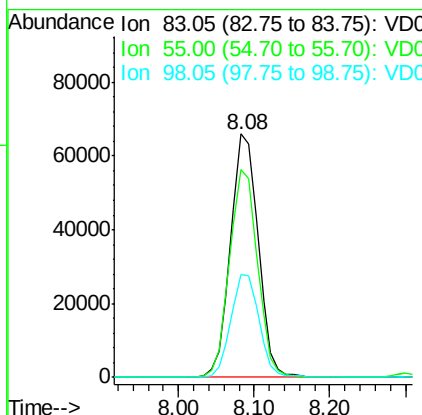
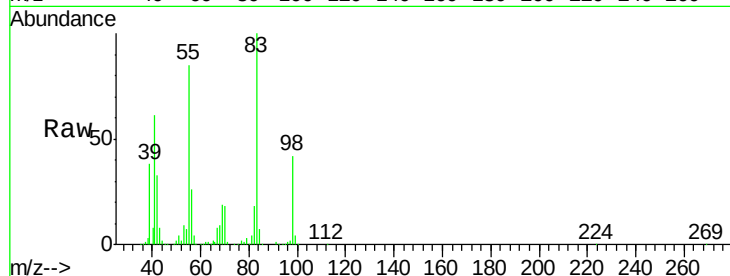
#39
Methylcyclohexane
Concen: 47.67 ug/l
RT: 8.08 min Scan# 766
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.5	71.1	106.7
98	42.1	34.6	51.8

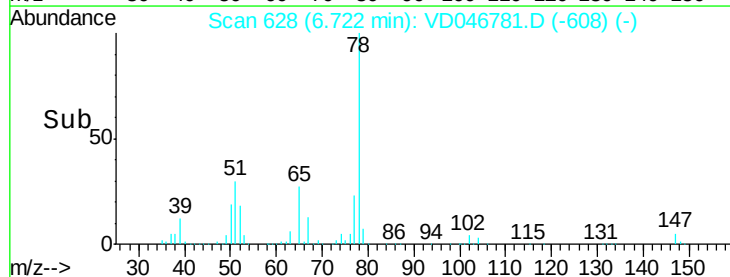
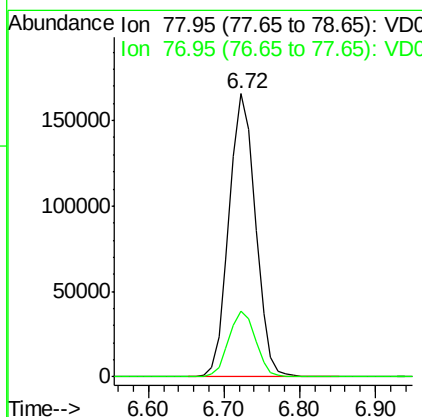
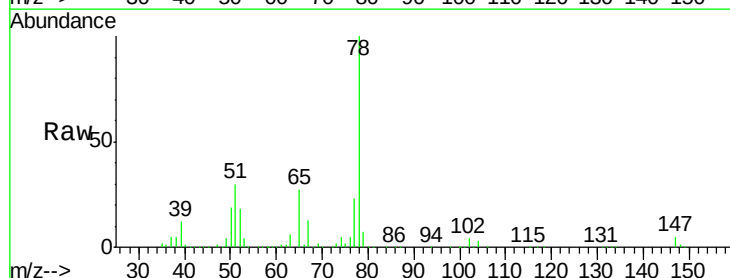
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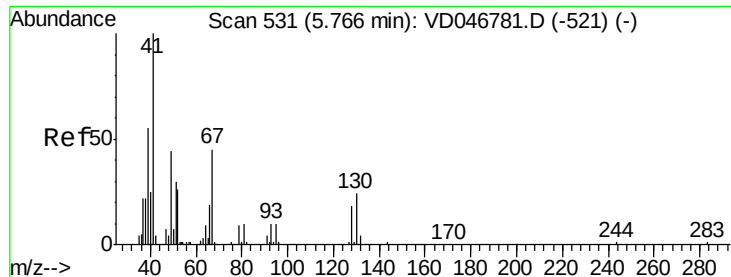
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#40
Benzene
Concen: 47.97 ug/l
RT: 6.72 min Scan# 628
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.9	29.9





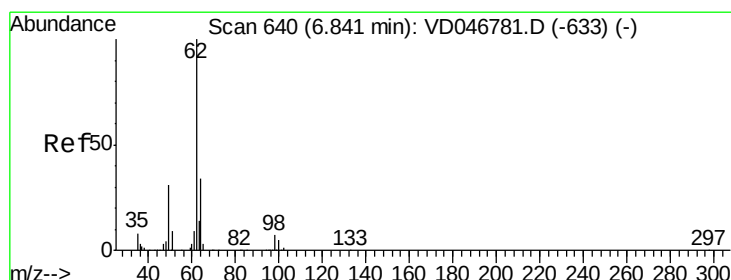
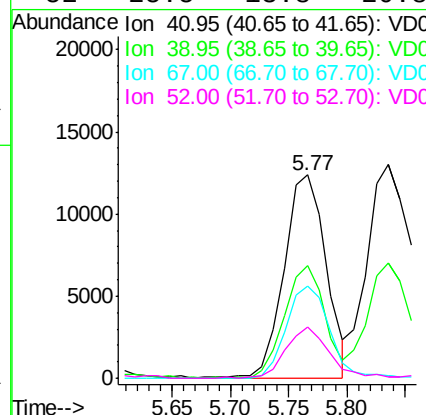
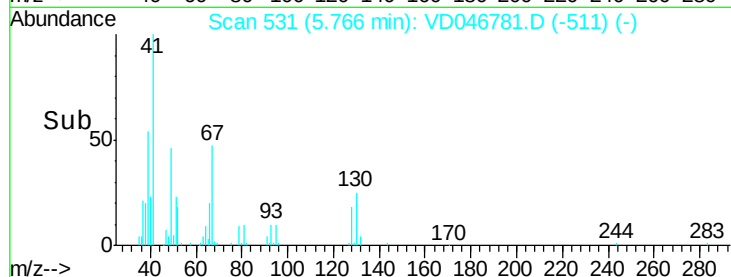
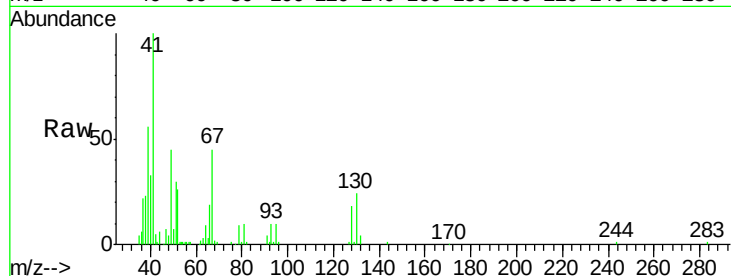
#41
Methacrylonitrile
Concen: 48.31 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.6	40.2	60.4
67	45.4	32.0	48.0
52	25.5	13.8	20.8

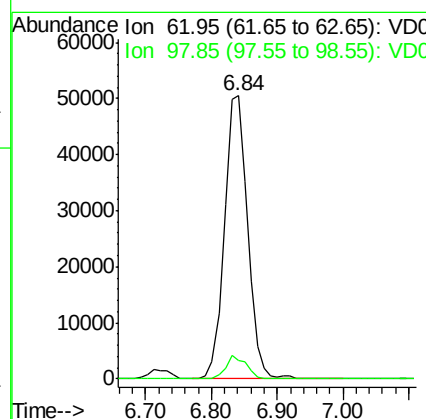
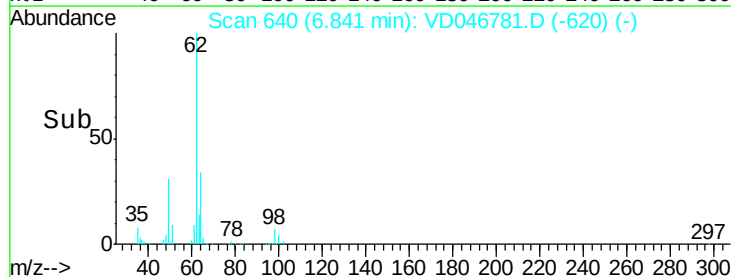
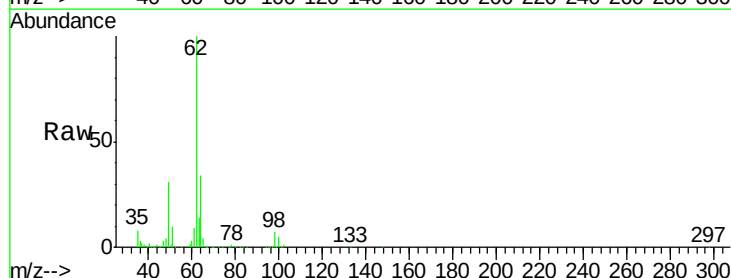
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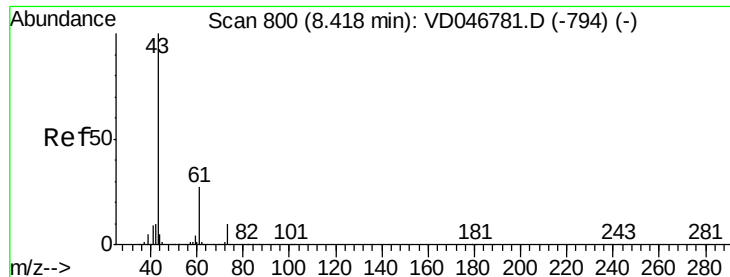
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#42
1,2-Dichloroethane
Concen: 51.05 ug/l
RT: 6.84 min Scan# 640
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 50.32 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

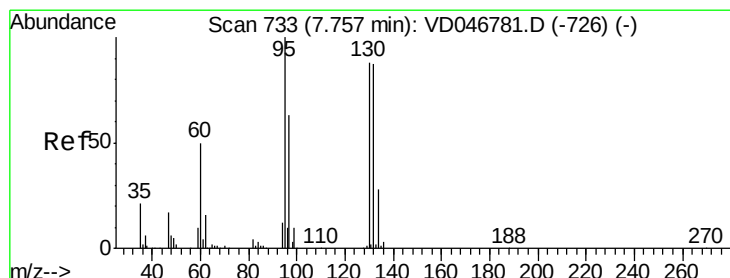
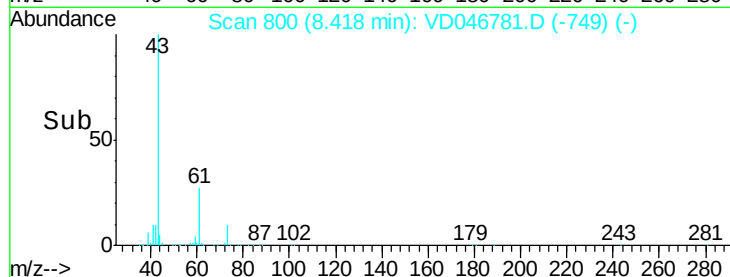
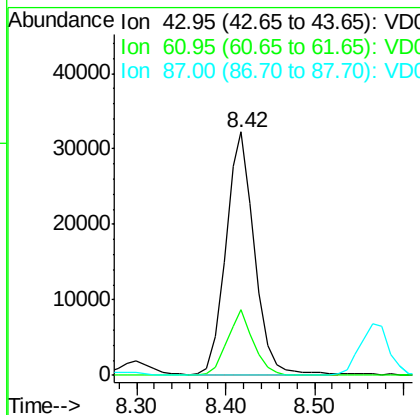
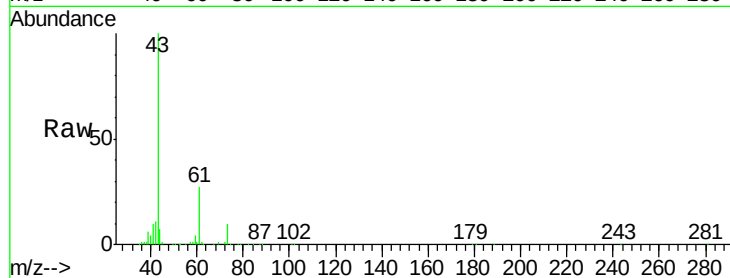
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	71820
Ion	Ratio	Lower	Upper
43	100		
61	27.1	19.5	29.3
87	0.3	0.2	0.2#

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#44

Trichloroethene

Concen: 46.01 ug/l

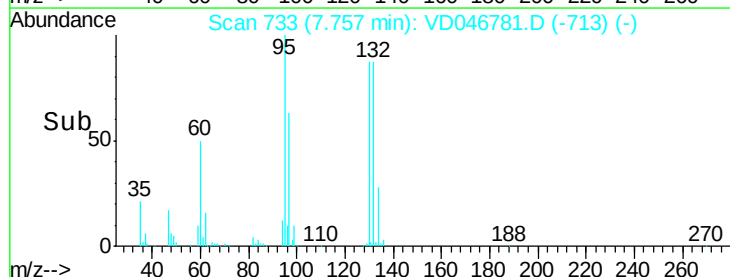
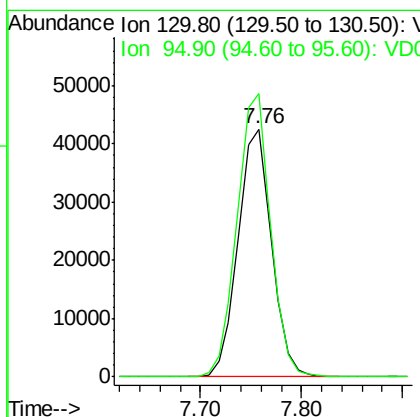
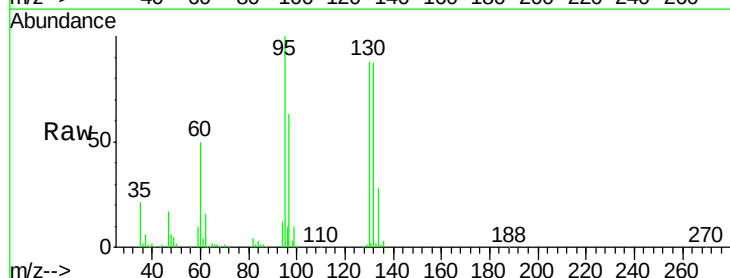
RT: 7.76 min Scan# 733

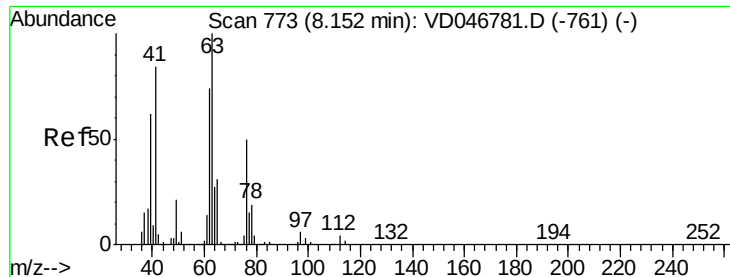
Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Tgt Ion:	130	Resp:	98806
Ion	Ratio	Lower	Upper
130	100		
95	114.1	0.0	229.4





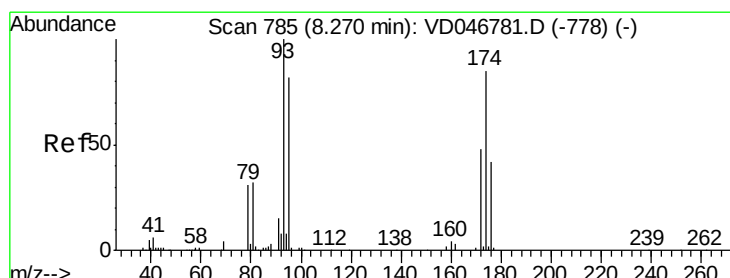
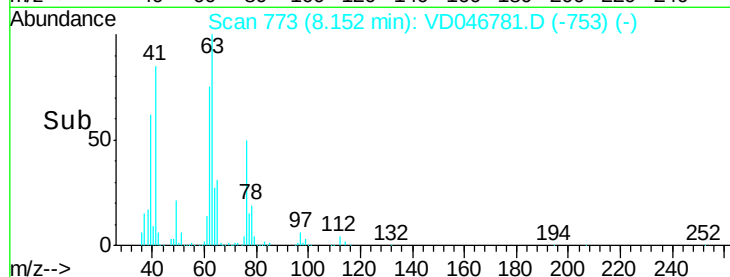
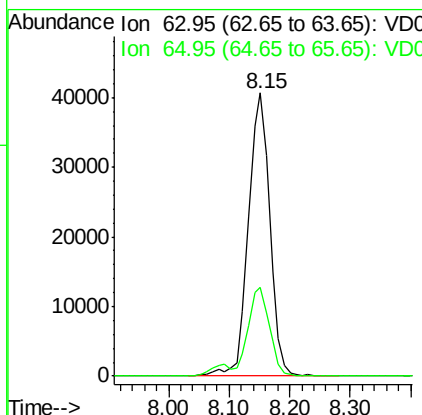
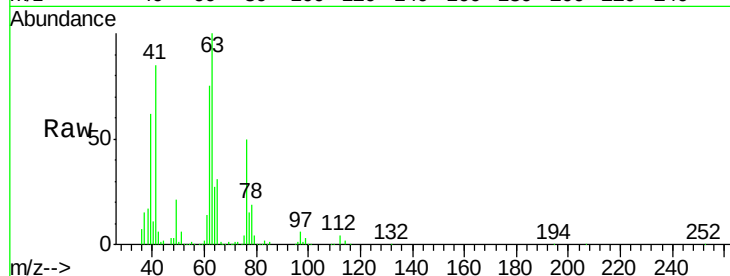
#45
 1,2-Dichloropropane
 Concen: 47.84 ug/l
 RT: 8.15 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 100387
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.1 37.7

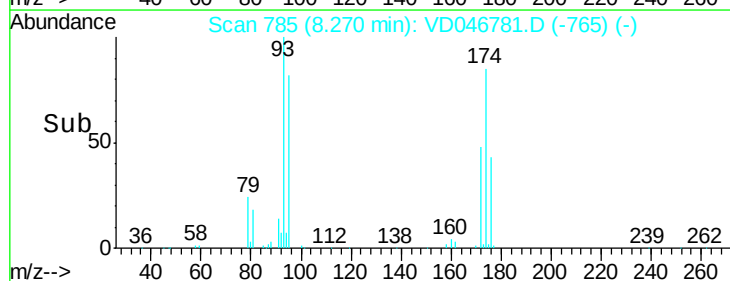
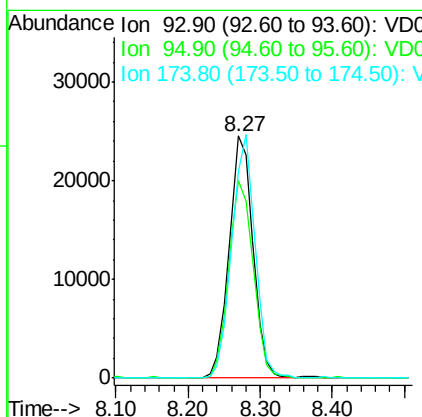
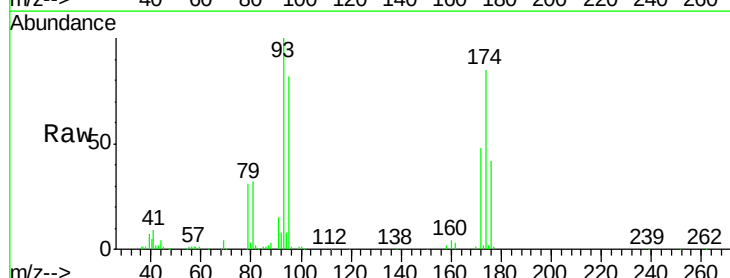
Manual Integrations
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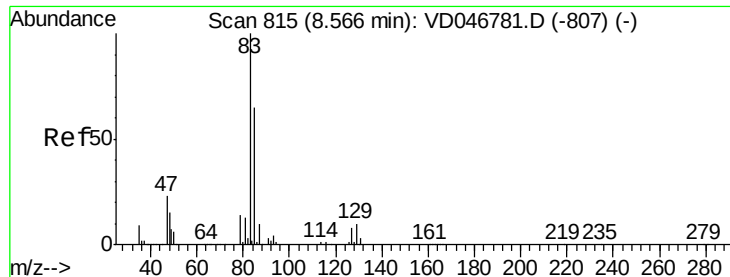
MMDadoda
 9/21/2015 11:38:44 AM



#46
 Dibromomethane
 Concen: 52.03 ug/l
 RT: 8.27 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion: 93 Resp: 56913
 Ion Ratio Lower Upper
 93 100
 95 81.7 70.2 105.2
 174 85.1 79.0 118.4





#47

Bromodichloromethane

Concen: 51.88 ug/l

RT: 8.57 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

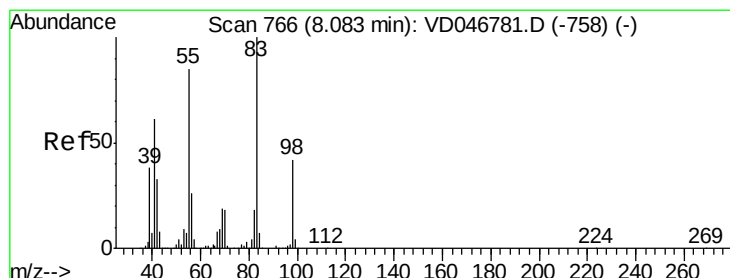
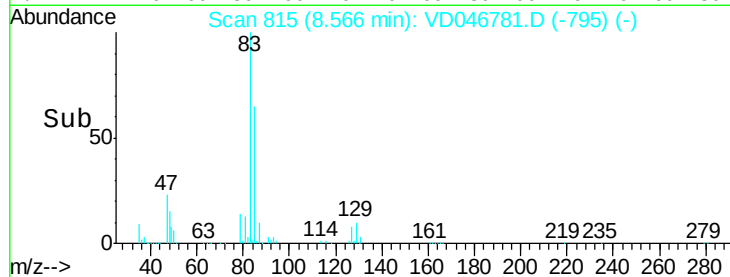
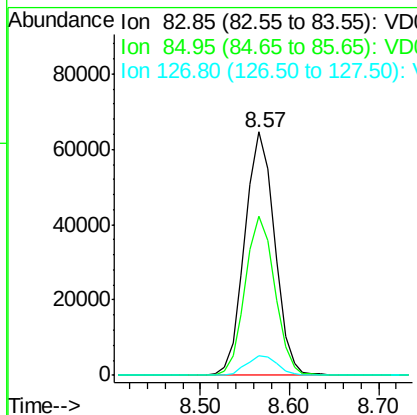
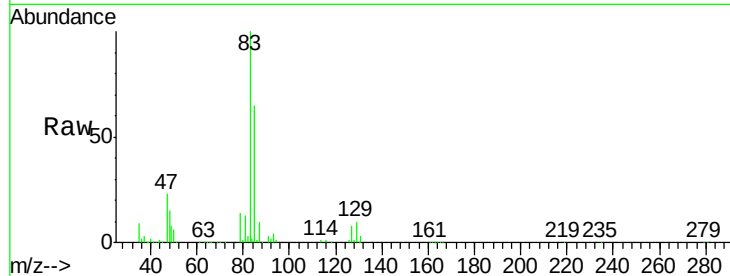
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	150257
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.6	78.8
127	7.9	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.09 ug/l

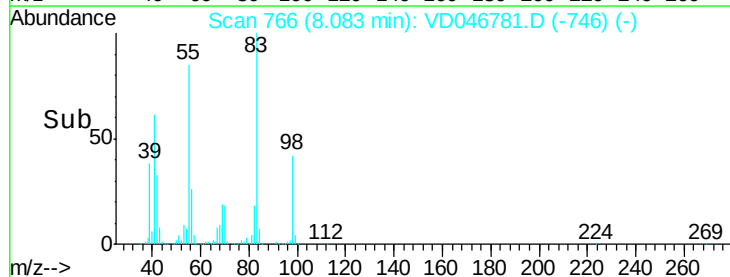
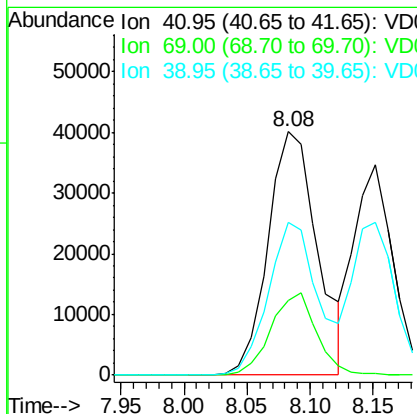
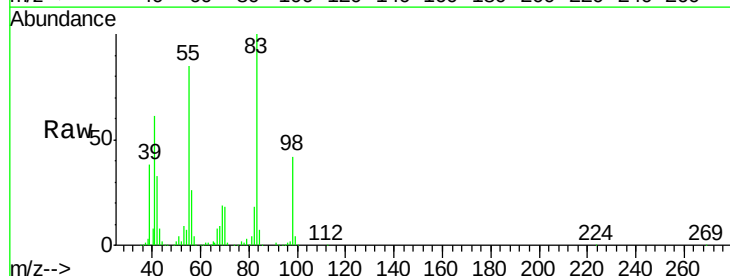
RT: 8.08 min Scan# 766

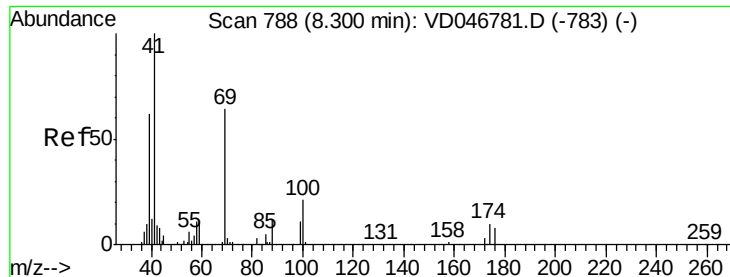
Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Tgt Ion:	41	Resp:	109590
Ion Ratio	Lower	Upper	
41	100		
69	30.9	25.3	37.9
39	62.5	47.4	71.0





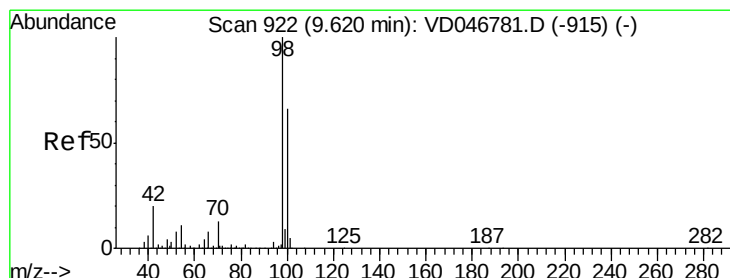
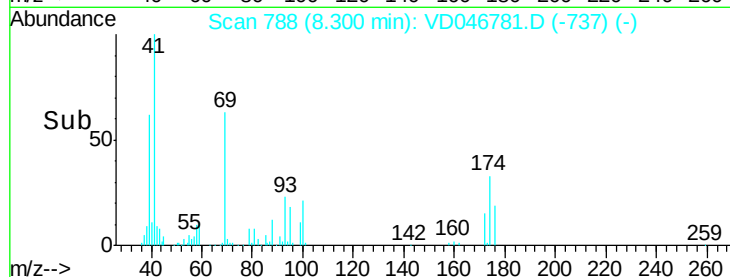
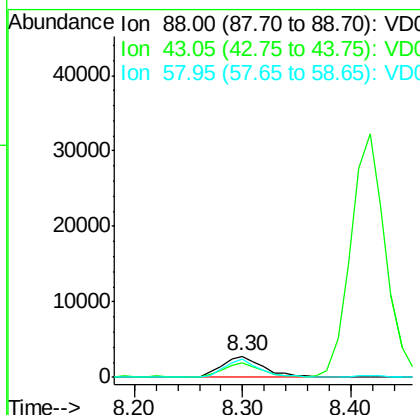
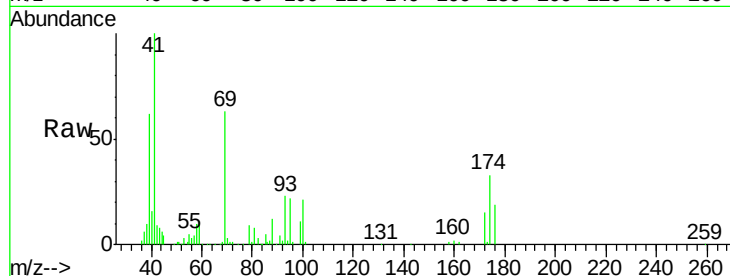
#49
1,4-Dioxane
Concen: 1016.23 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	66.4	50.0	75.0
58	87.0	48.3	72.5

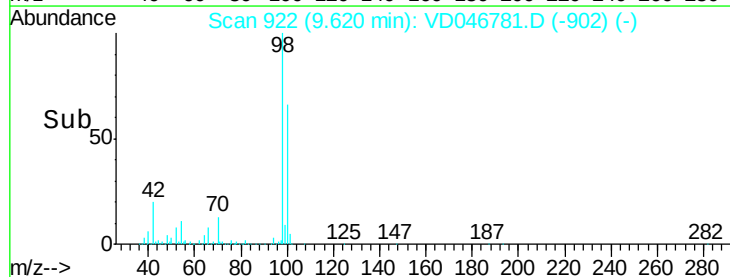
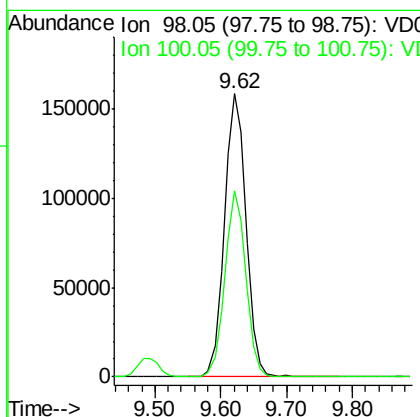
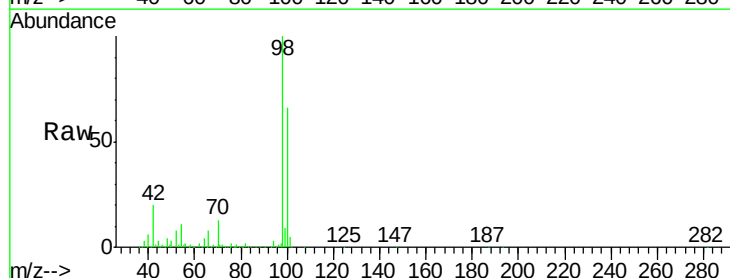
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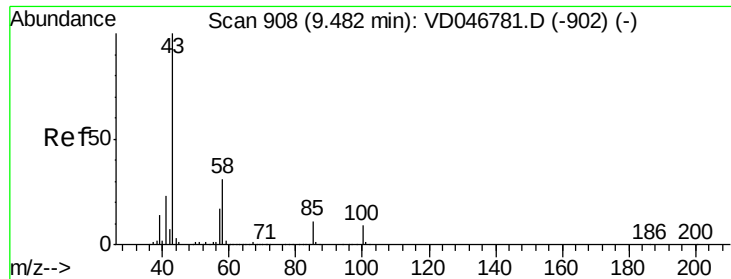
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#50
Toluene-d8
Concen: 1016.23 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	49.9	74.9





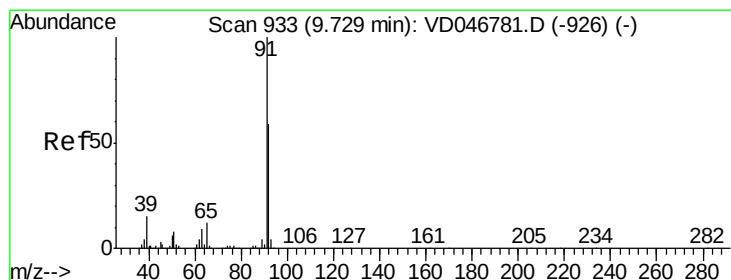
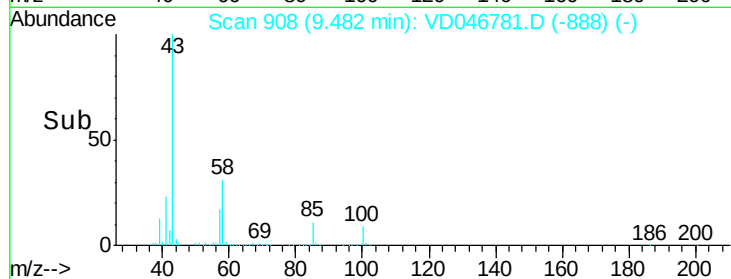
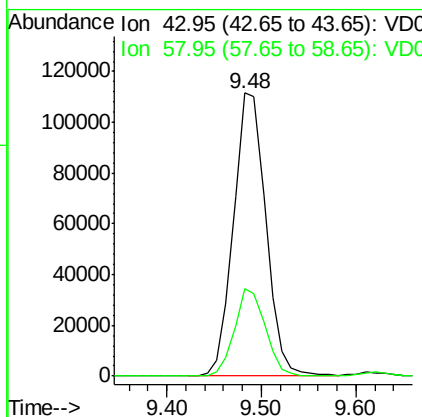
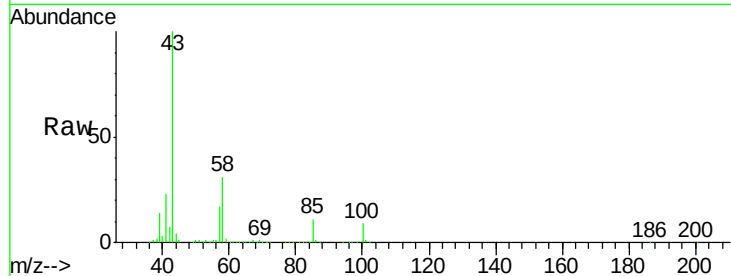
#51
4-Methyl-2-Pentanone
Concen: 266.02 ug/l
RT: 9.48 min Scan# 908
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 264727
Ion Ratio Lower Upper
43 100
58 30.7 22.2 33.2

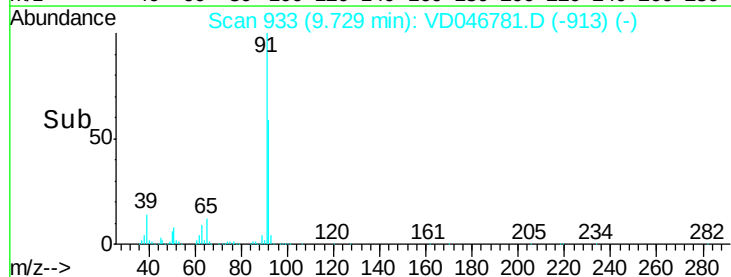
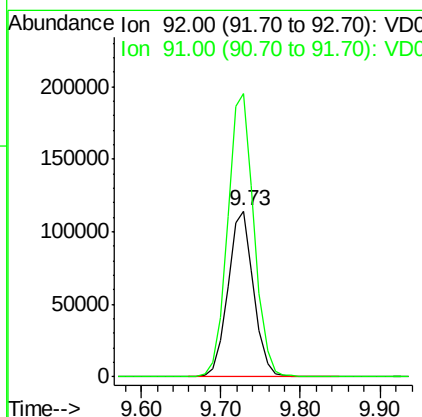
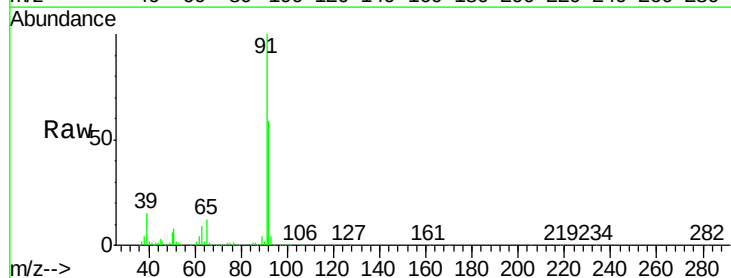
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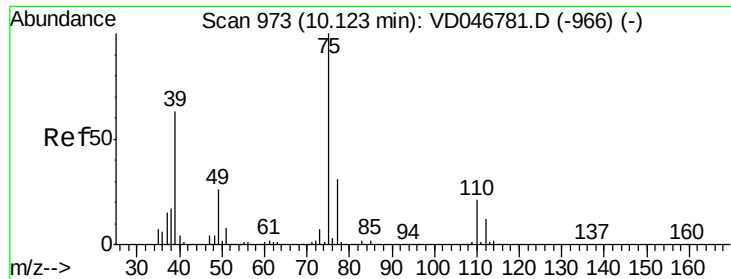
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#52
Toluene
Concen: 51.55 ug/l
RT: 9.73 min Scan# 933
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion: 92 Resp: 257526
Ion Ratio Lower Upper
92 100
91 170.7 139.4 209.0





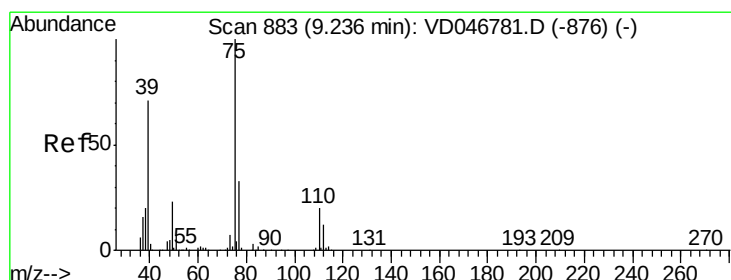
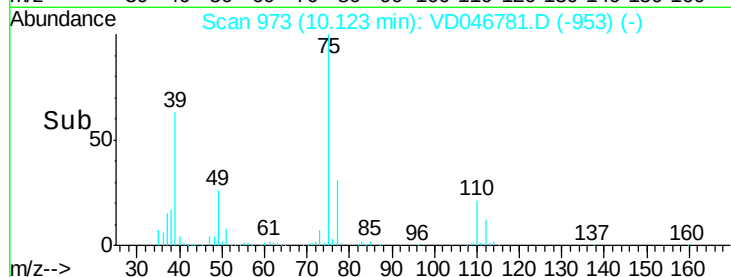
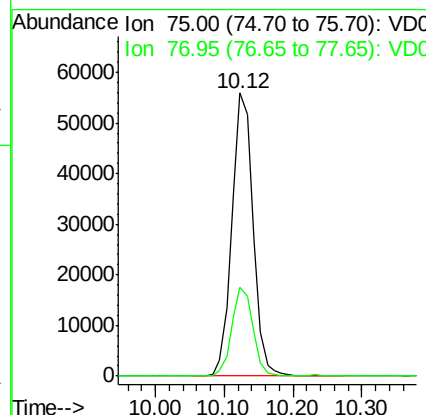
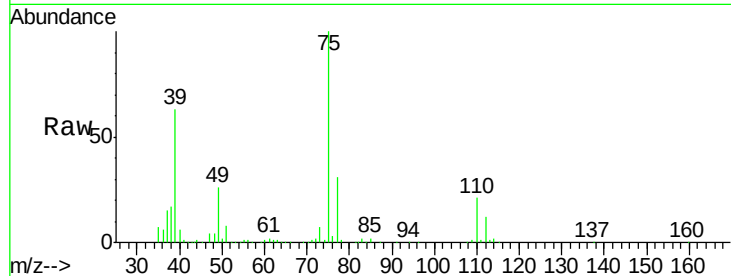
#53
t-1,3-Dichloropropene
Concen: 54.37 ug/l
RT: 10.12 min Scan# 973
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 119232
Ion Ratio Lower Upper
75 100
77 31.4 27.6 41.4

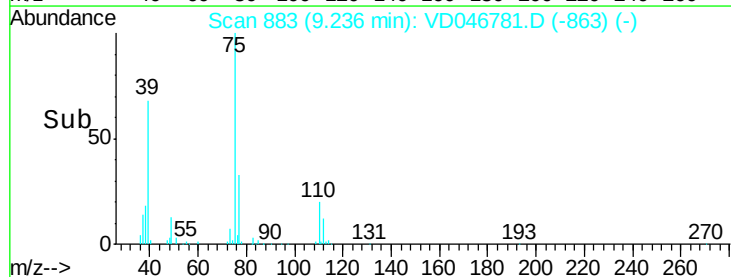
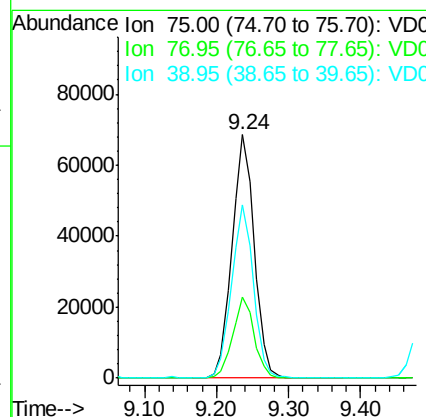
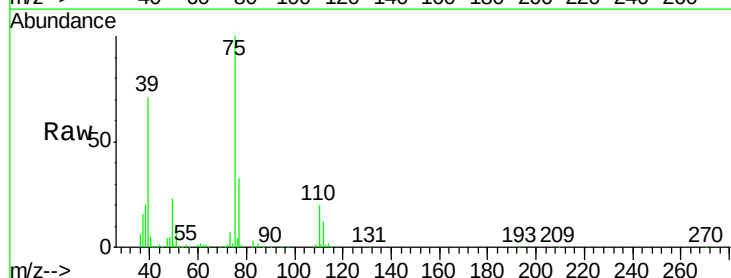
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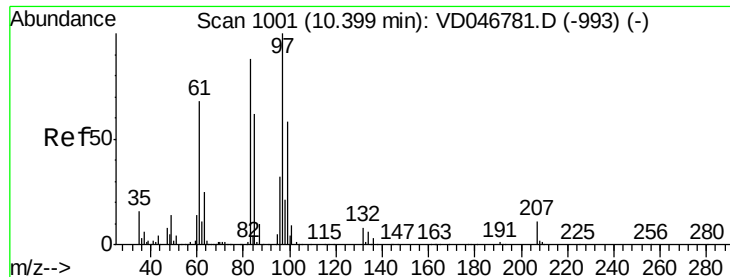
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#54
cis-1,3-Dichloropropene
Concen: 51.06 ug/l
RT: 9.24 min Scan# 883
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion: 75 Resp: 147639
Ion Ratio Lower Upper
75 100
77 33.2 23.8 35.6
39 71.3 53.0 79.6





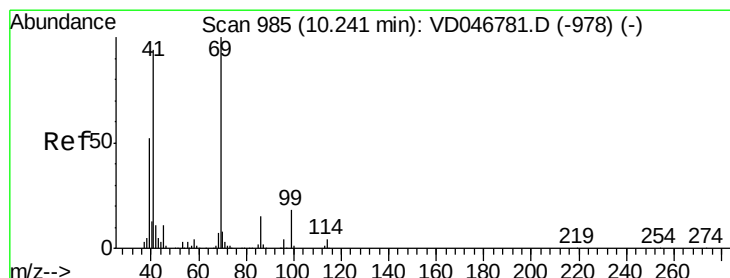
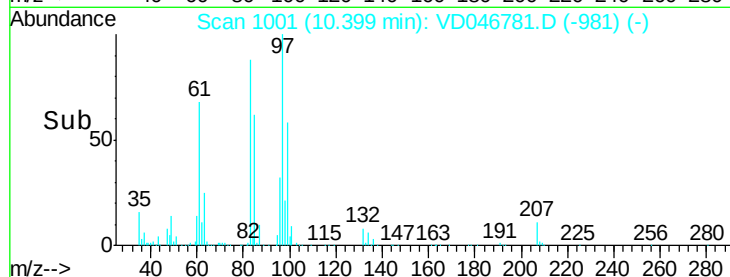
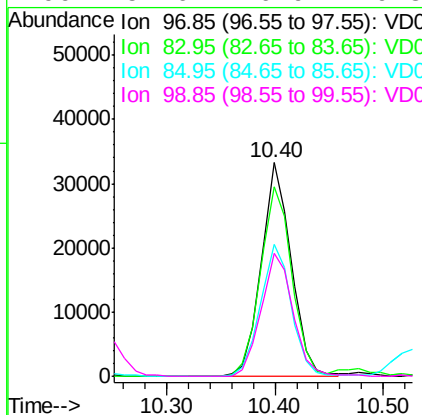
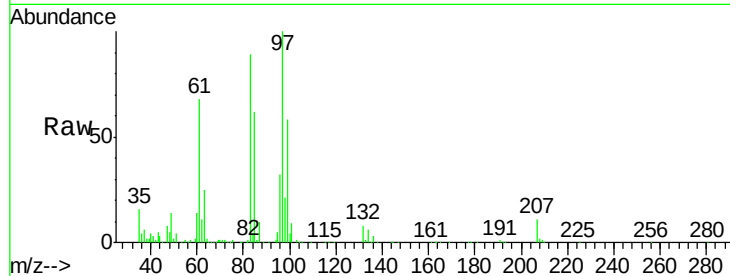
#55
 1,1,2-Trichloroethane
 Concen: 54.53 ug/l
 RT: 10.40 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	97	Resp:	64679
Ion	Ratio	Lower	Upper
97	100		
83	88.5	75.3	112.9
85	61.6	50.9	76.3
99	57.6	46.9	70.3

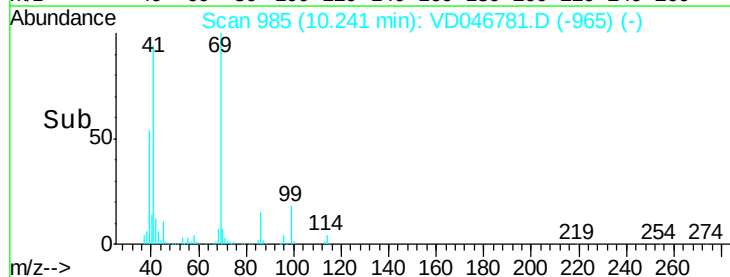
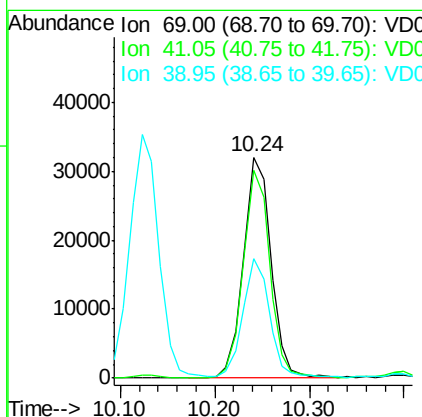
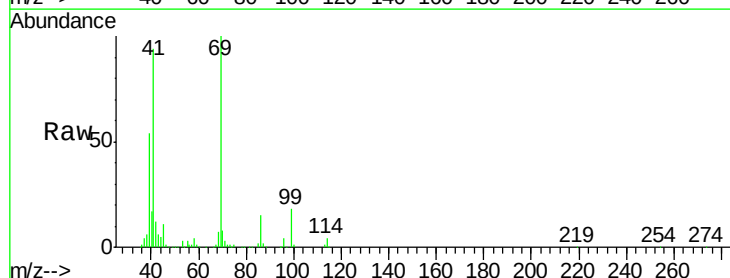
Manual Integrations
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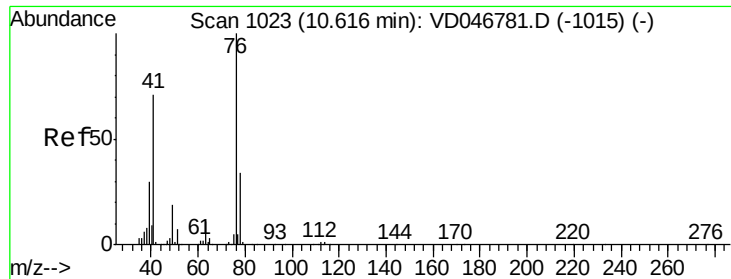
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 9/21/2015 11:38:44 AM



#56
 Ethyl methacrylate
 Concen: 57.26 ug/l
 RT: 10.24 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion:	69	Resp:	65287
Ion	Ratio	Lower	Upper
69	100		
41	94.0	75.4	113.0
39	54.0	41.0	61.4





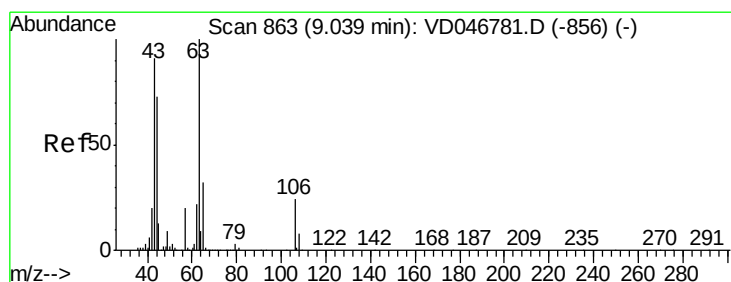
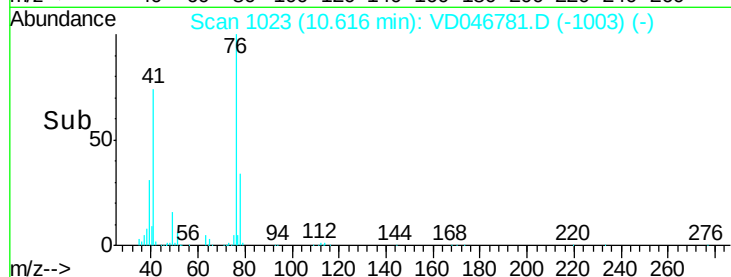
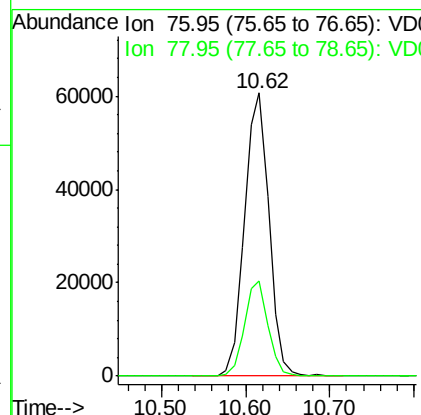
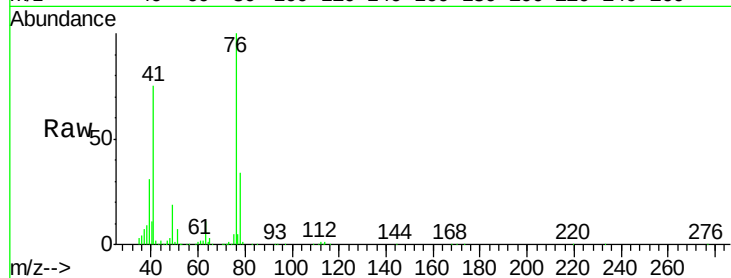
#57
 1,3-Dichloropropane
 Concen: 54.04 ug/l
 RT: 10.62 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.6	39.8

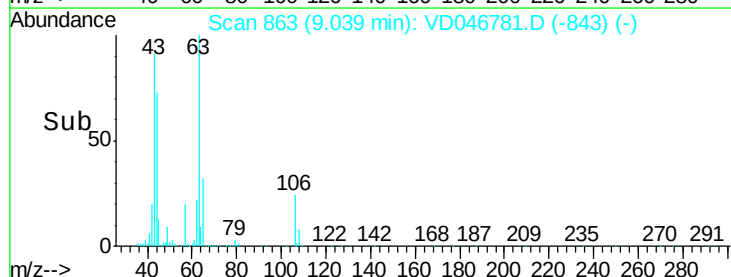
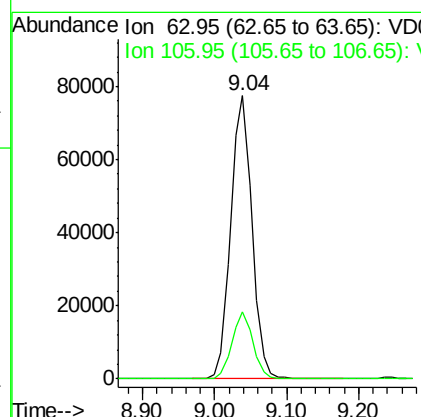
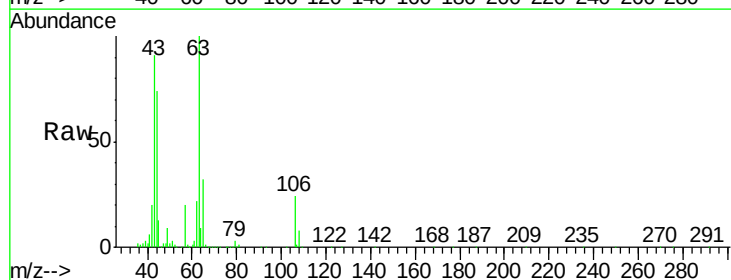
Manual Integrations
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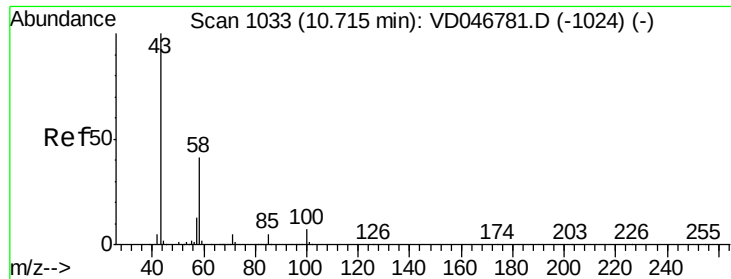
MMDadoda
 9/21/2015 11:38:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.24 ug/l
 RT: 9.04 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.9	17.8	26.8





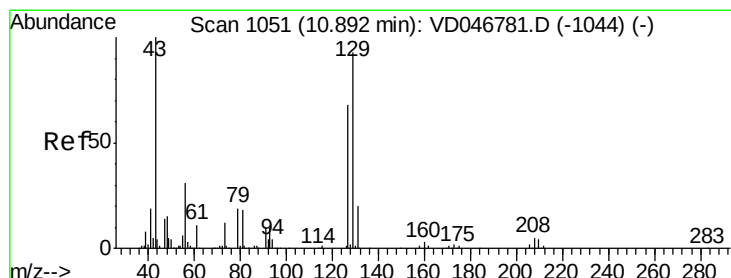
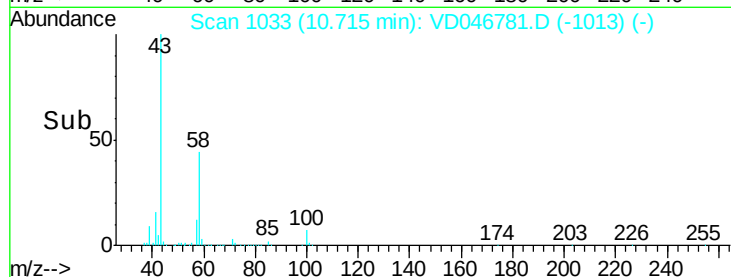
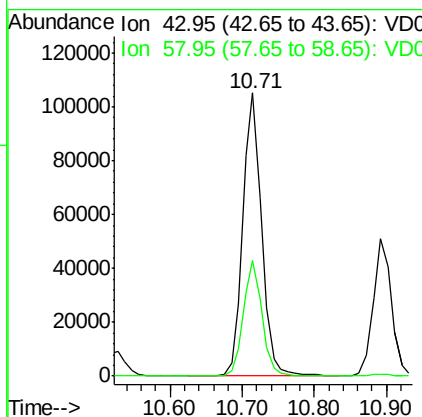
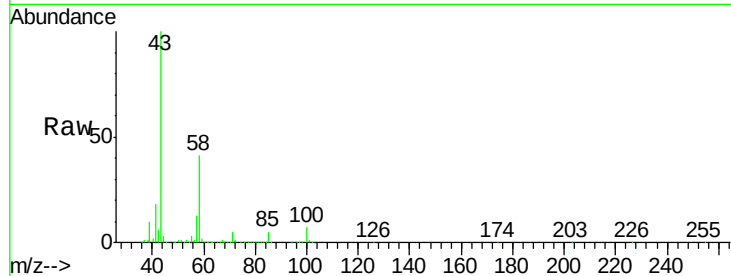
#59
2-Hexanone
Concen: 270.19 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 191609
Ion Ratio Lower Upper
43 100
58 40.7 18.6 55.8

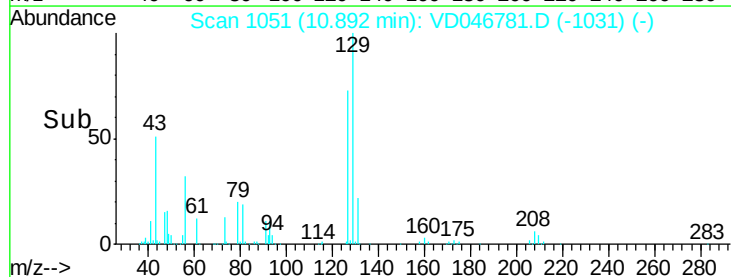
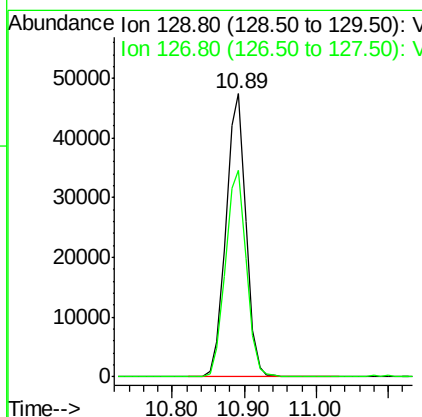
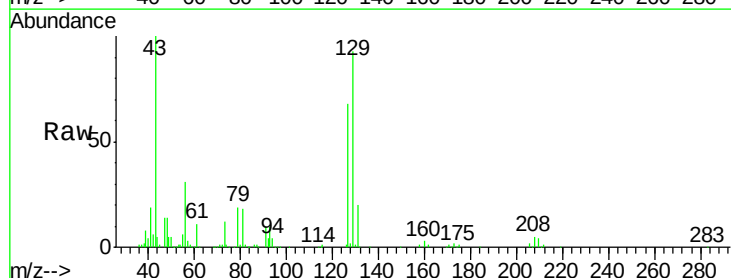
Manual Integrations
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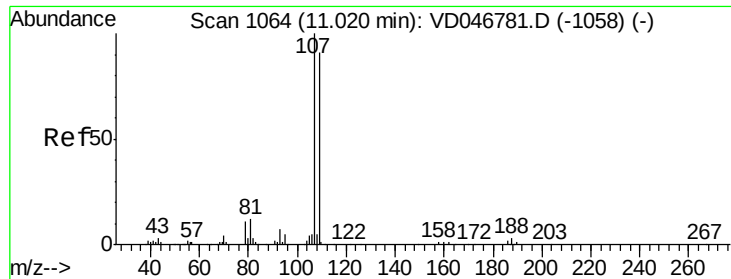
MMDadoda
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#60
Dibromochloromethane
Concen: 55.38 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion: 129 Resp: 91446
Ion Ratio Lower Upper
129 100
127 72.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 57.28 ug/l

RT: 11.02 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 107 Resp: 66163

Ion Ratio Lower Upper

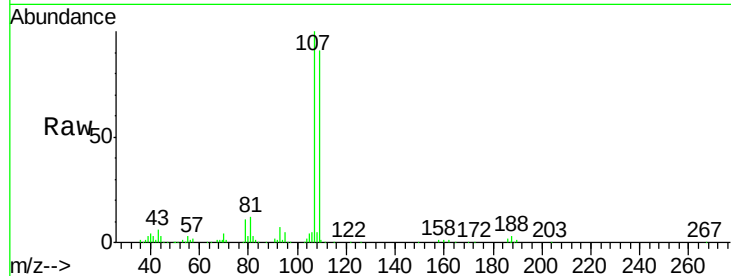
107 100

109 90.5 71.4 107.0

Manual Integrations
APPROVED

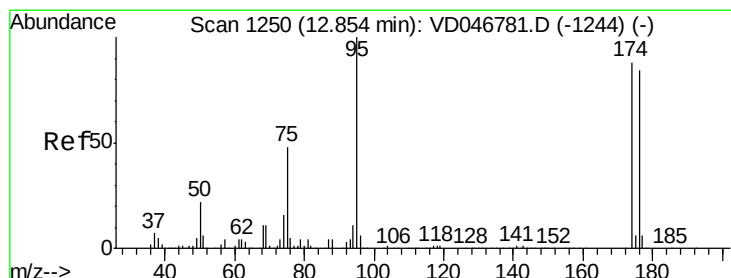
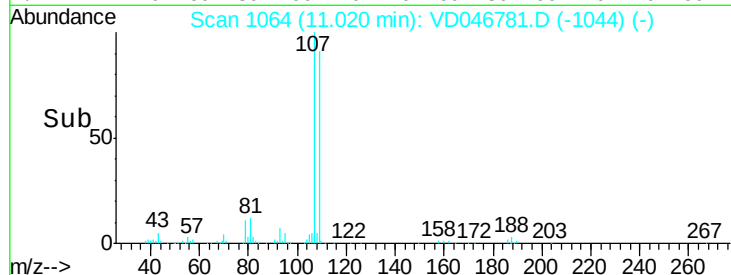
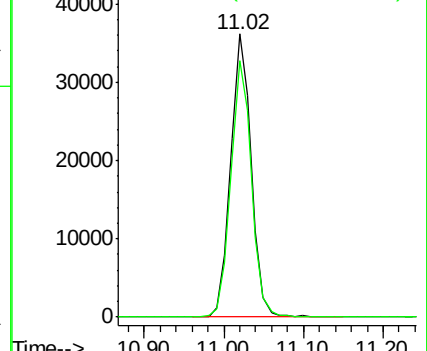
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 57.28 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

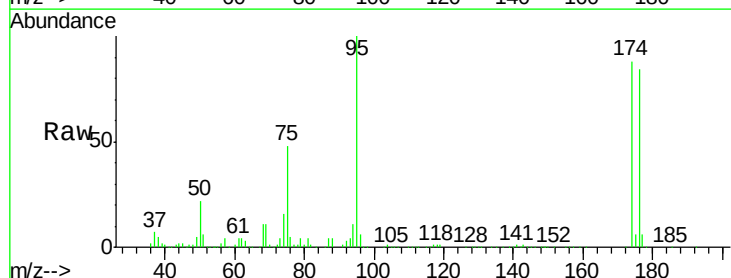
Tgt Ion: 95 Resp: 143877

Ion Ratio Lower Upper

95 100

174 88.3 0.0 149.8

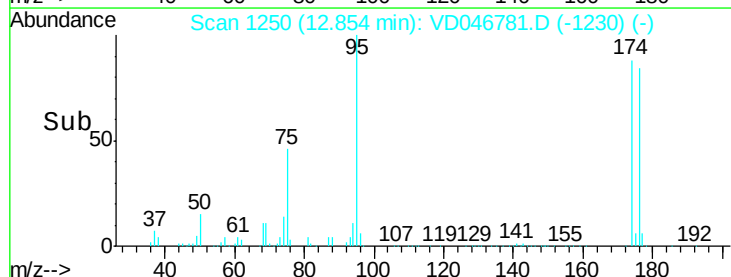
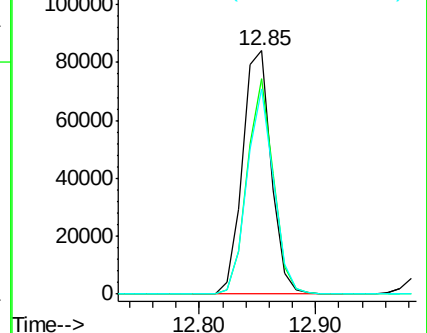
176 84.1 0.0 143.4

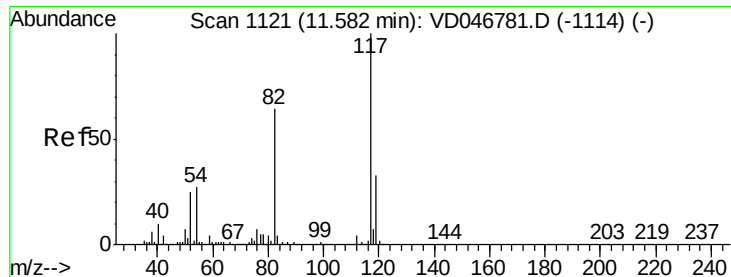


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





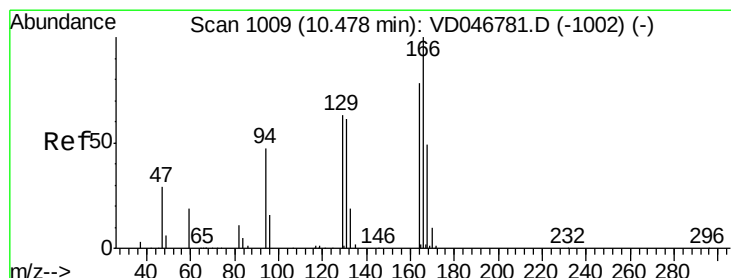
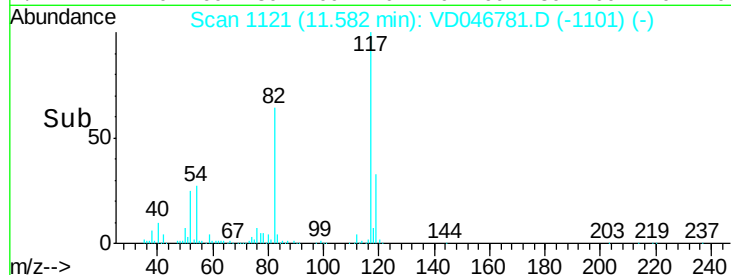
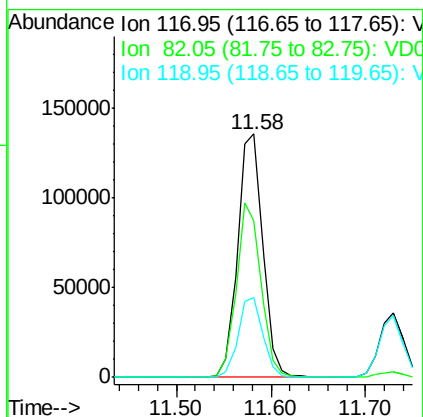
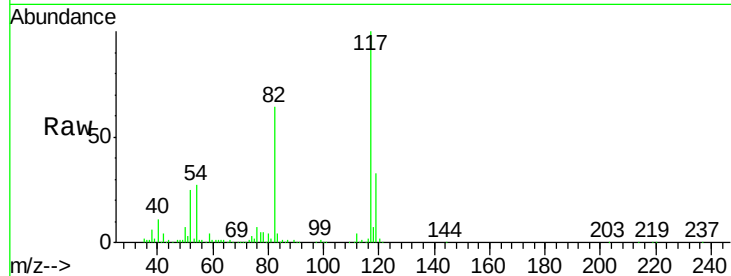
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	249275		
82	64.5	50.6	75.8	
119	32.6	25.8	38.8	

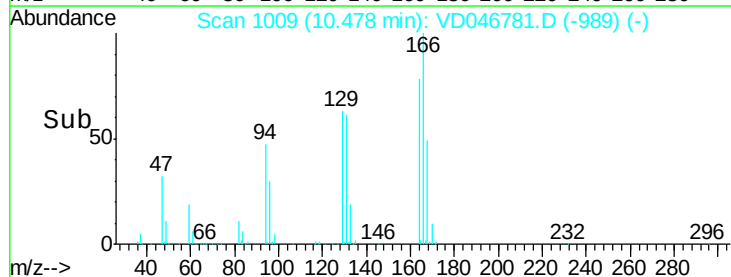
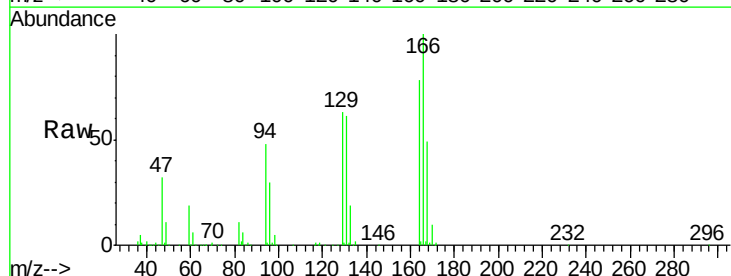
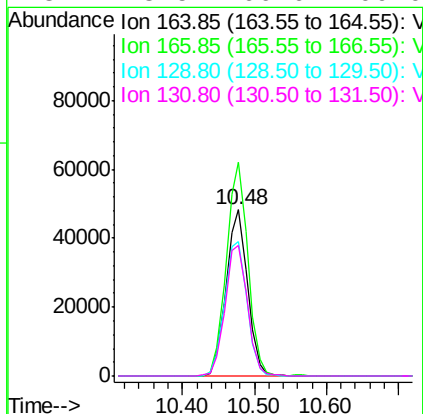
Manual Integrations
APPROVED

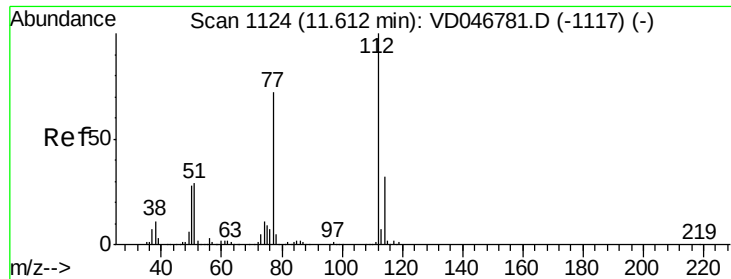
MMDadoda
9/21/2015 11:38:44 AM



#64
Tetrachloroethene
Concen: 44.70 ug/l
RT: 10.48 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99725		
166	128.5	106.8	160.2	
129	81.0	70.6	106.0	
131	78.5	66.6	100.0	





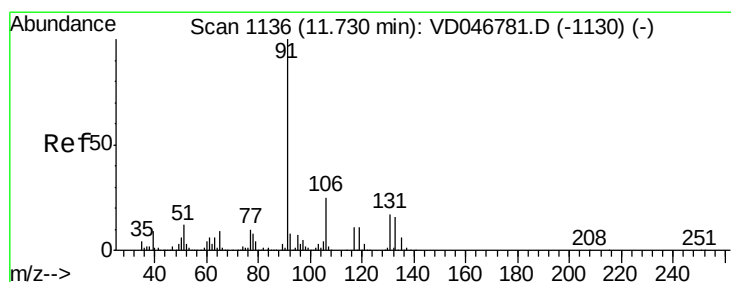
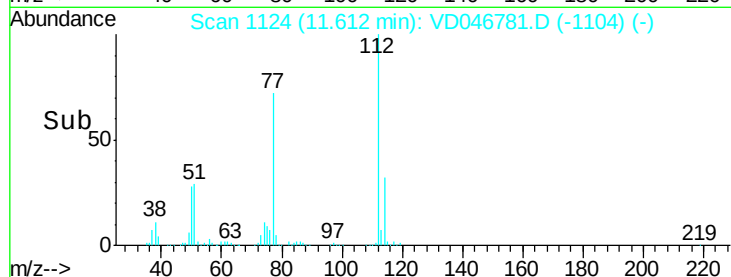
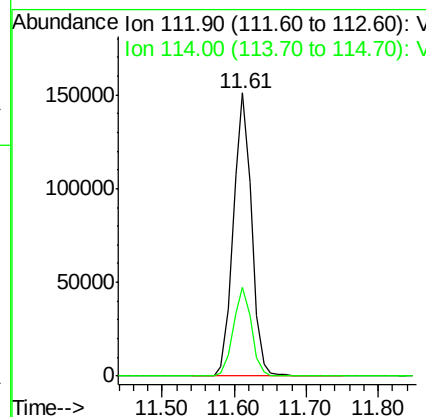
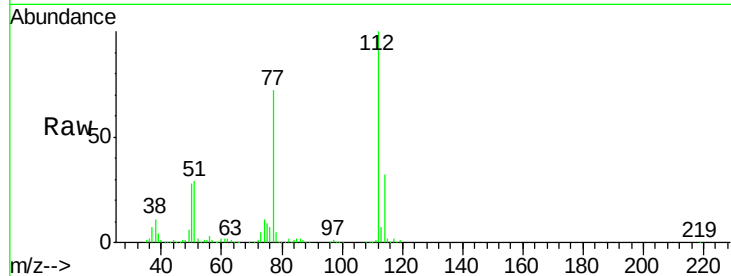
#65
Chlorobenzene
Concen: 48.23 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 264091
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

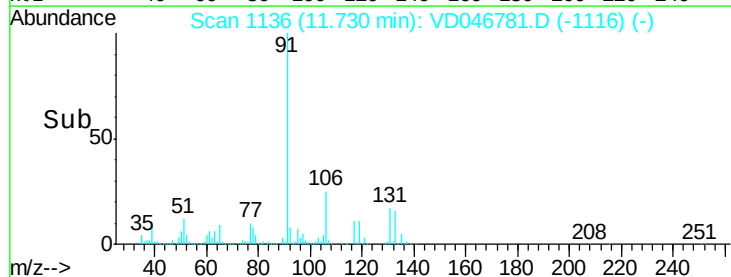
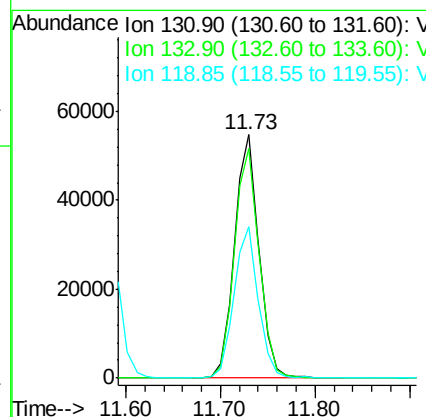
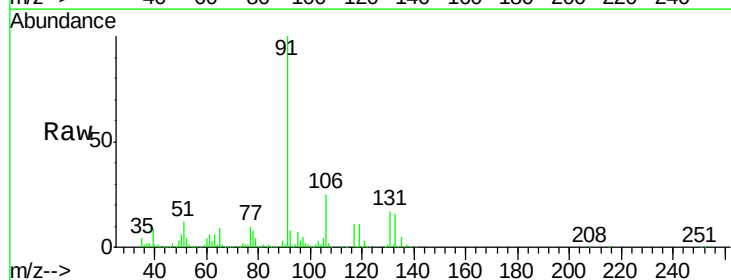
Manual Integrations
APPROVED

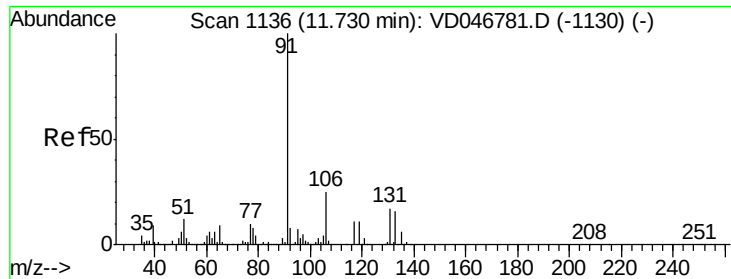
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.02 ug/l
RT: 11.73 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion:131 Resp: 97621
Ion Ratio Lower Upper
131 100
133 94.2 48.4 145.0
119 62.4 31.5 94.5





#67

Ethyl Benzene

Concen: 49.90 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 557831

Ion Ratio Lower Upper

91 100

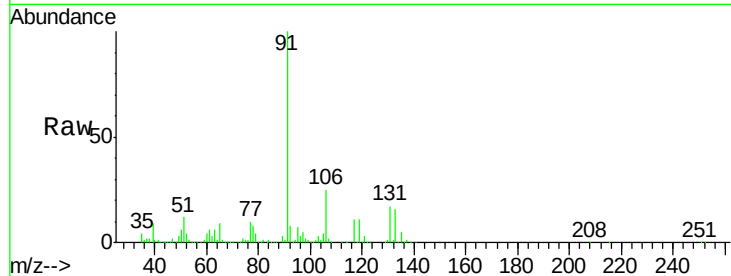
106 24.7 20.2 30.2

Manual Integrations

APPROVED

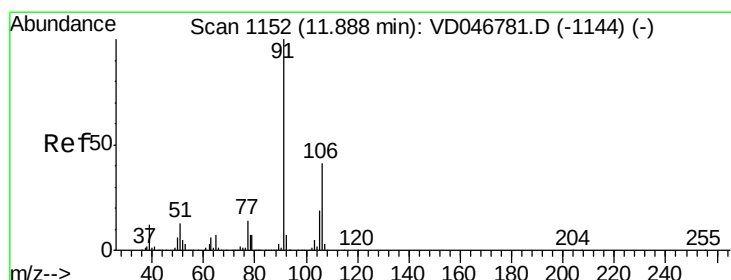
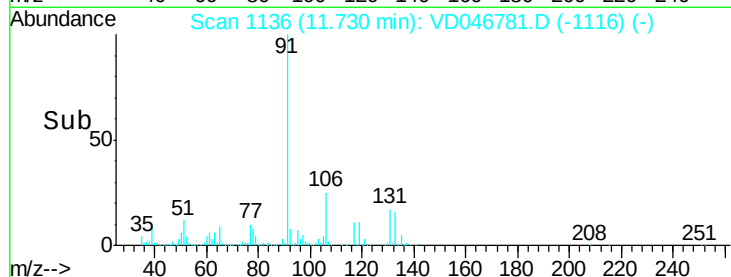
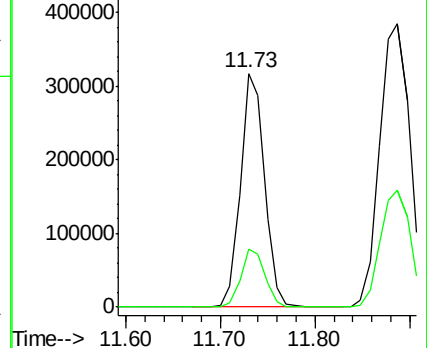
MMDadoda

9/21/2015 11:38:44 AM



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

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



#68

m/p-Xylenes

Concen: 100.71 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VD046781.D

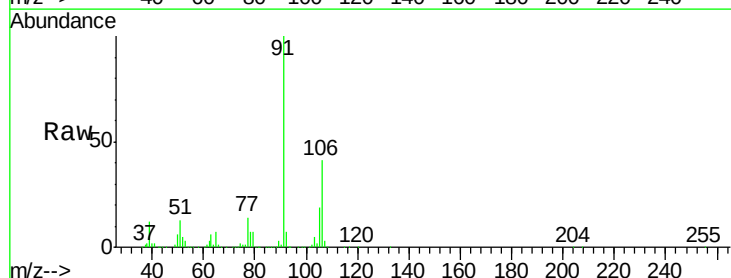
Acq: 18 Sep 2015 13:15

Tgt Ion: 106 Resp: 352030

Ion Ratio Lower Upper

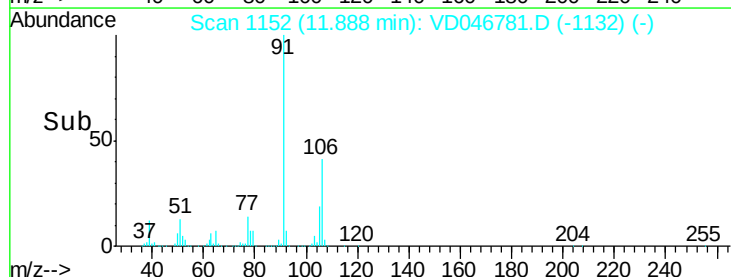
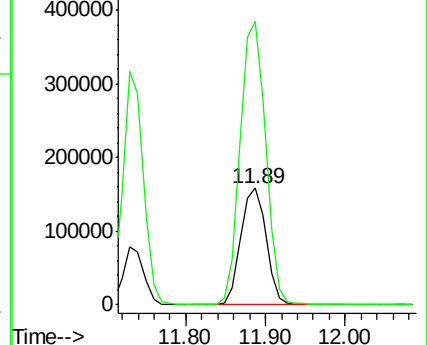
106 100

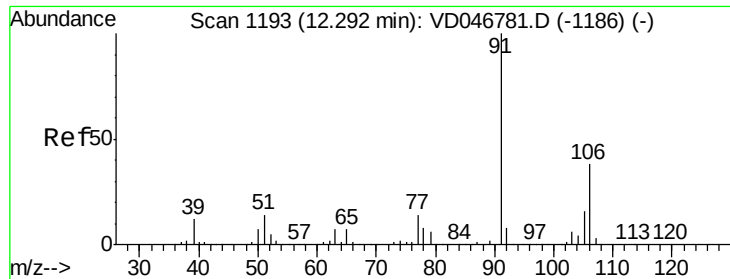
91 242.3 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VD046781.D (-1152) (-)

Ion 91.00 (90.70 to 91.70): VD046781.D (-1152) (-)





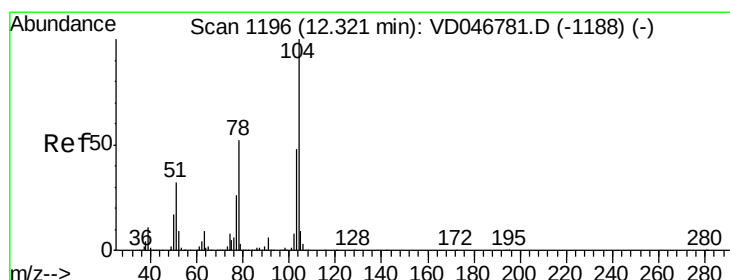
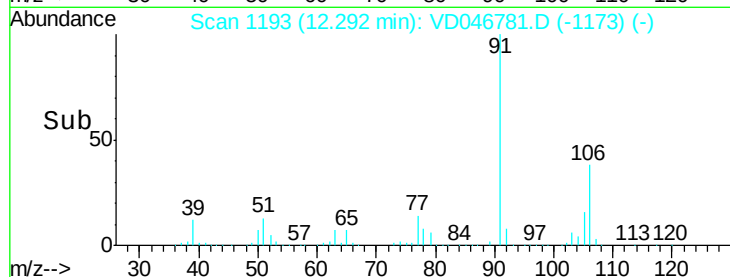
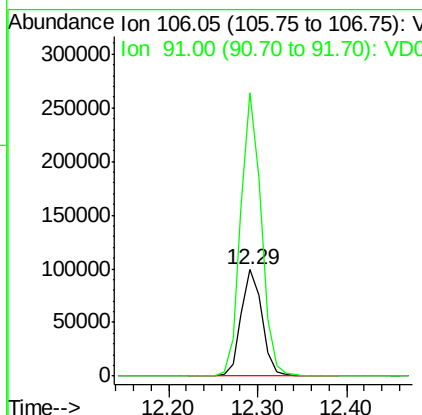
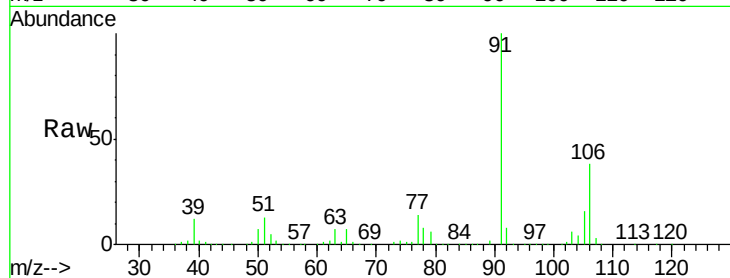
#69
o-Xylene
Concen: 52.17 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 162424
Ion Ratio Lower Upper
106 100
91 266.2 124.8 374.5

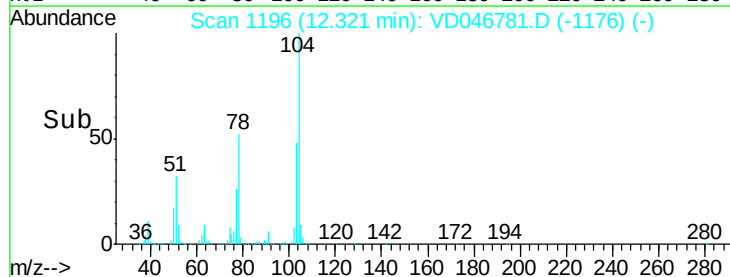
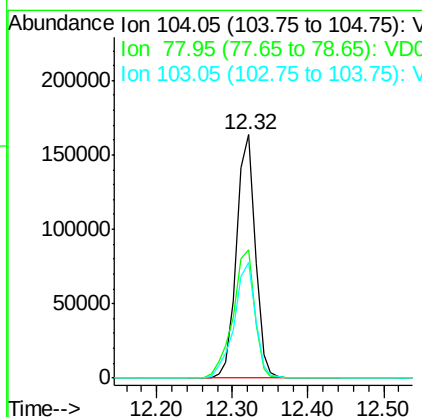
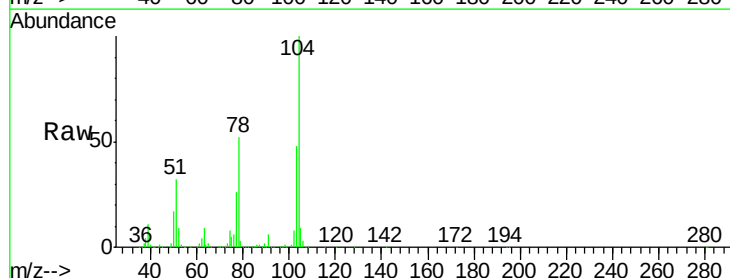
Manual Integrations
APPROVED

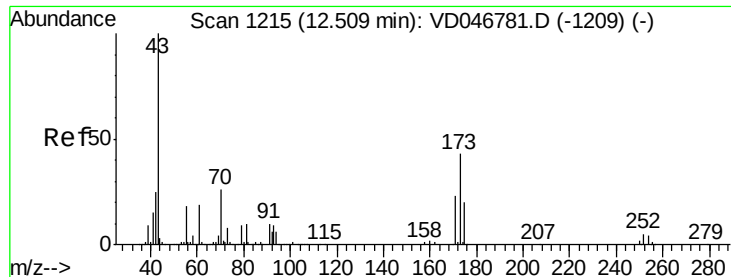
MMDadoda
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#70
Styrene
Concen: 52.56 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion:104 Resp: 278632
Ion Ratio Lower Upper
104 100
78 52.5 44.5 66.7
103 47.7 40.3 60.5





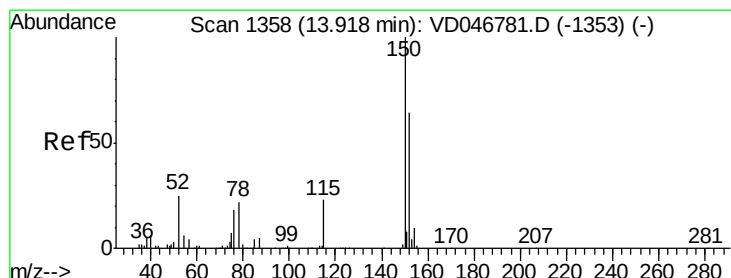
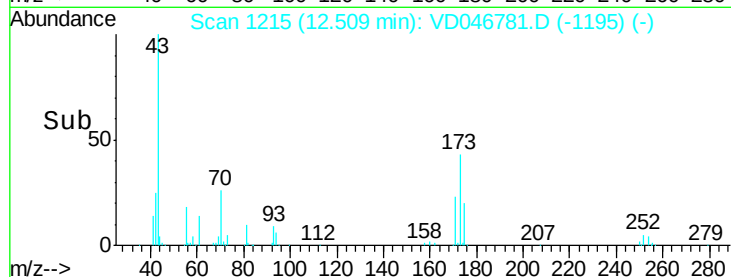
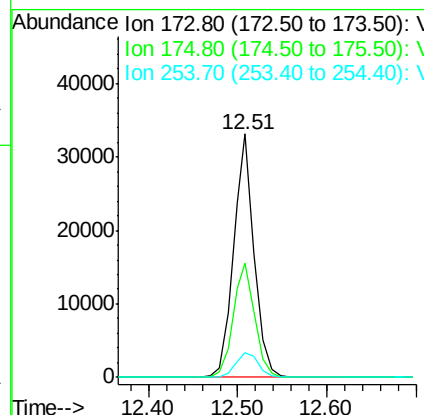
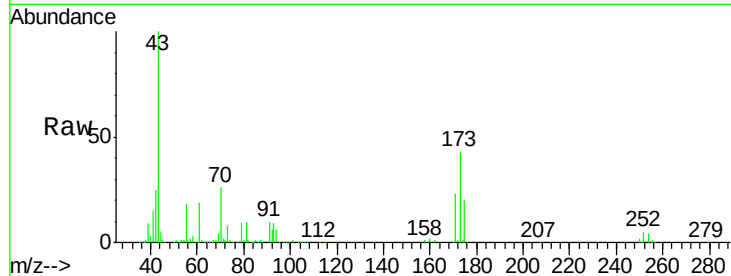
#71
Bromoform
Concen: 53.13 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.1	69.3
254	10.2	8.7	13.1

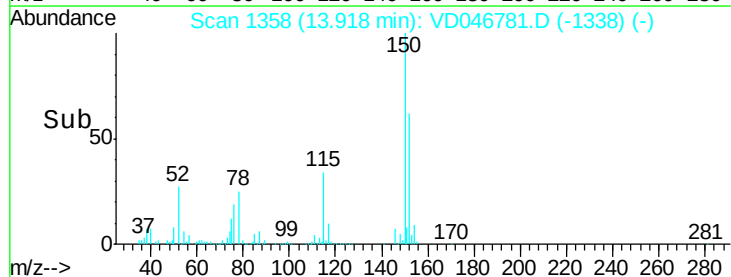
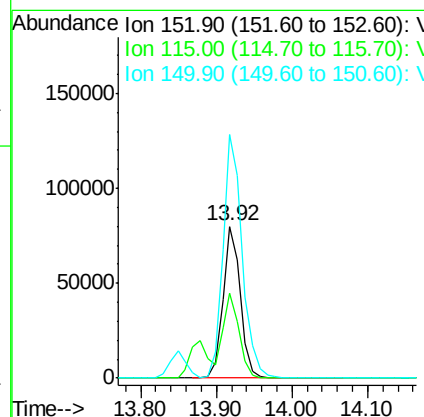
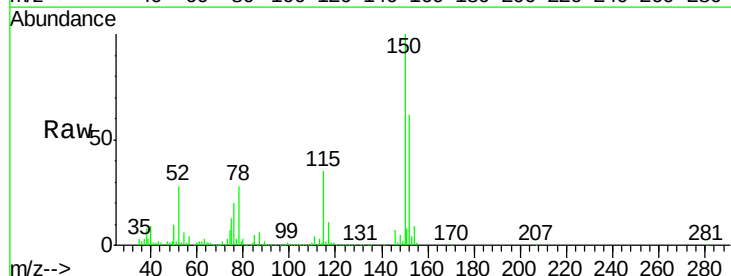
Manual Integrations
APPROVED

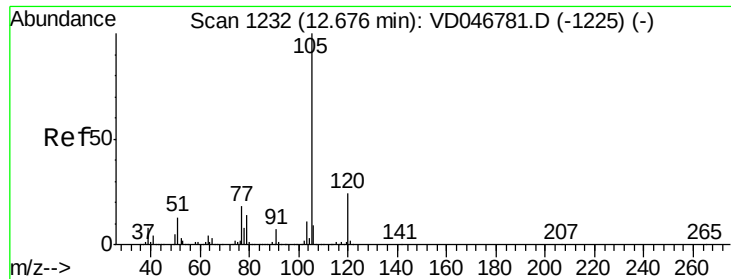
MMDadoda
9/21/2015 11:38:44 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	26.2	78.6
150	160.3	0.0	311.8





#73

Isopropylbenzene

Concen: 49.43 ug/l

RT: 12.68 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 491562

Ion Ratio Lower Upper

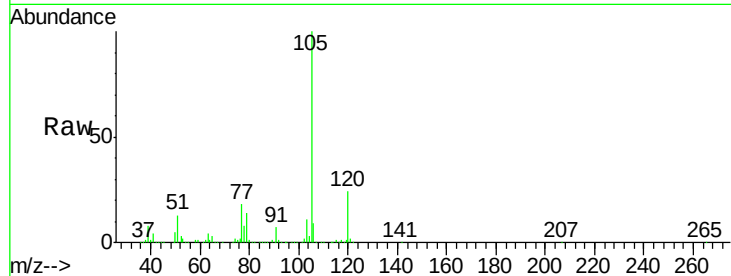
105 100

120 23.9 12.4 37.4

Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.68

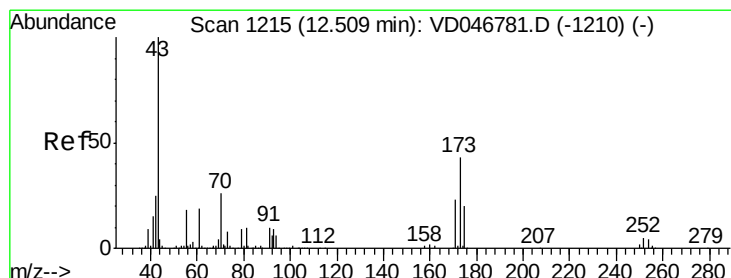
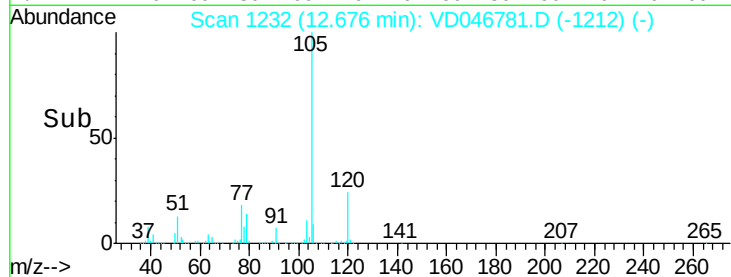
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 51.49 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Tgt Ion: 43 Resp: 113440

Ion Ratio Lower Upper

43 100

70 26.3 22.1 33.1

55 17.7 14.5 21.7

61 18.9 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

120000

100000

80000

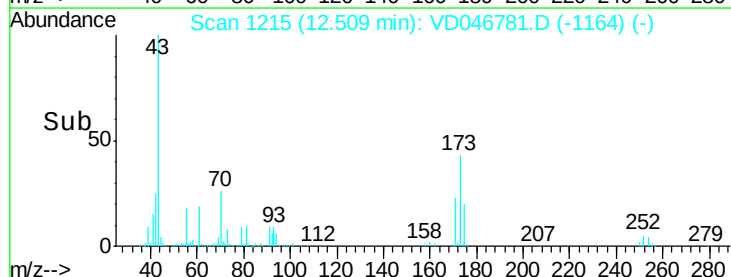
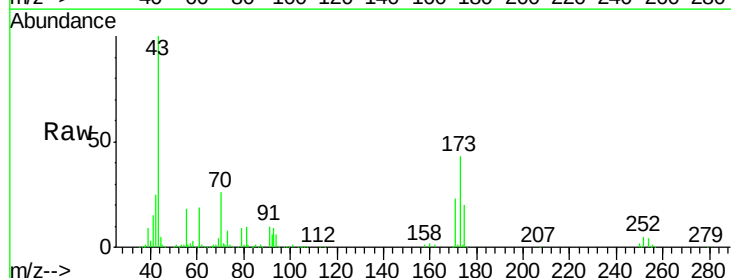
60000

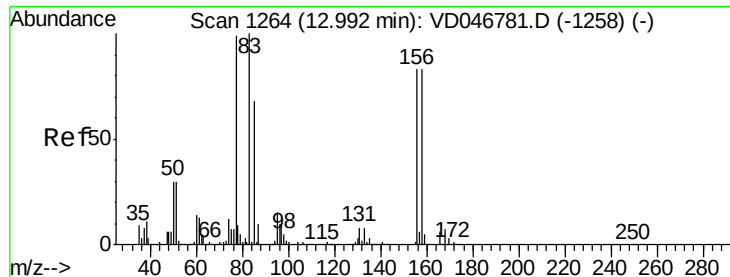
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.32 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 74750
Ion Ratio Lower Upper

83 100

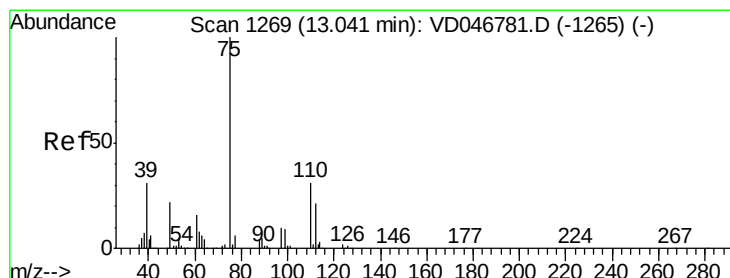
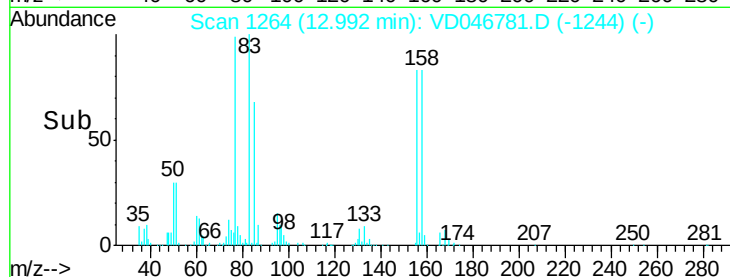
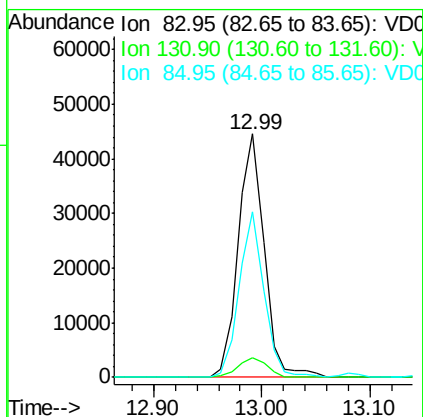
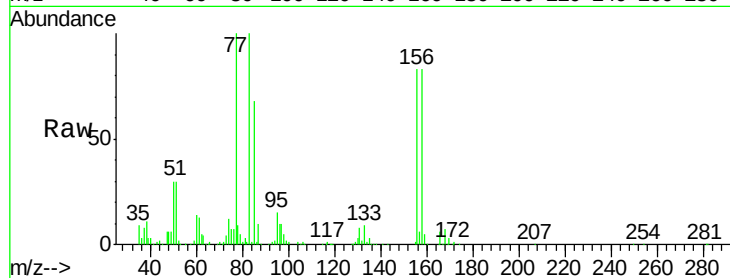
131 8.2 3.9 11.7

85 67.9 30.5 91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.27 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. 0.00 min

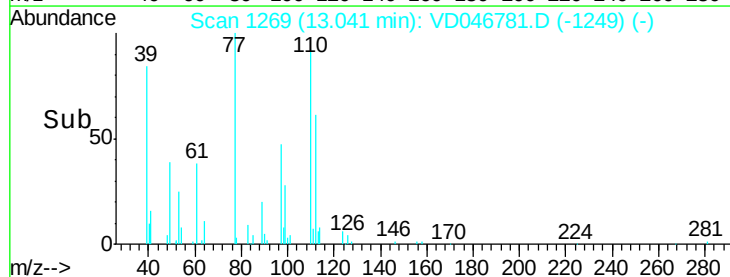
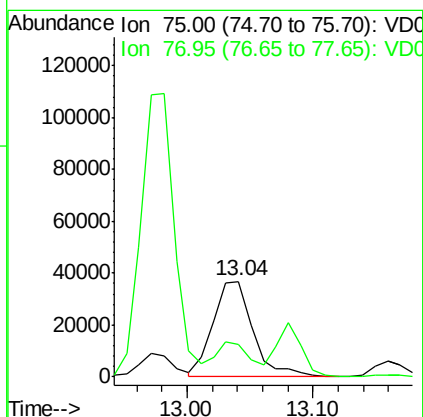
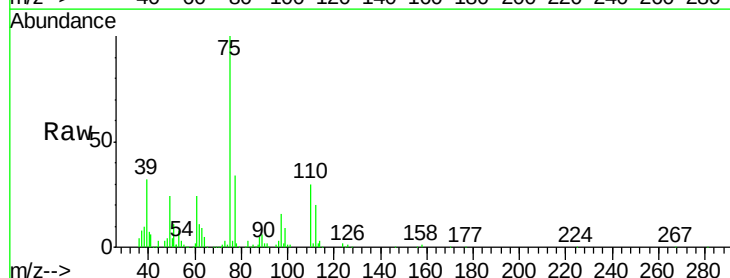
Lab File: VD046781.D

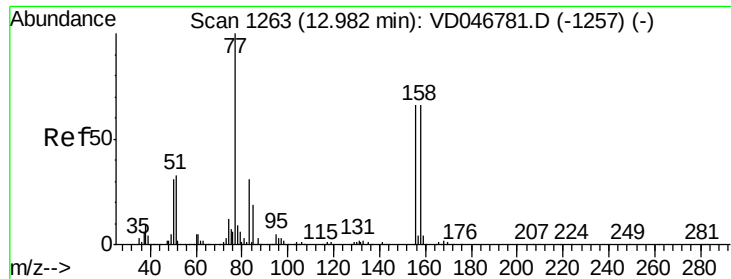
Acq: 18 Sep 2015 13:15

Tgt Ion: 75 Resp: 80814
Ion Ratio Lower Upper

75 100

77 33.6 16.0 48.0





#77

Bromobenzene

Concen: 48.17 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

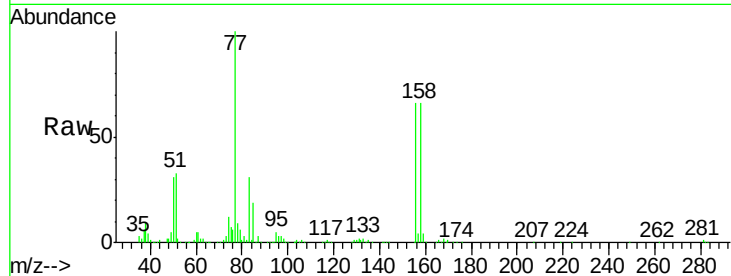
ClientSampleId :

VSTDICCC050

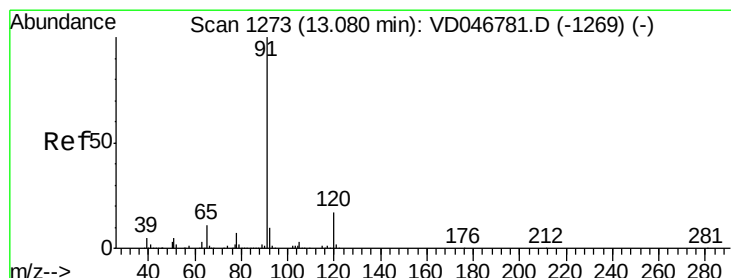
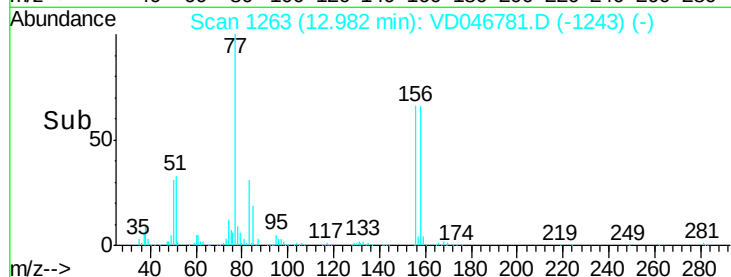
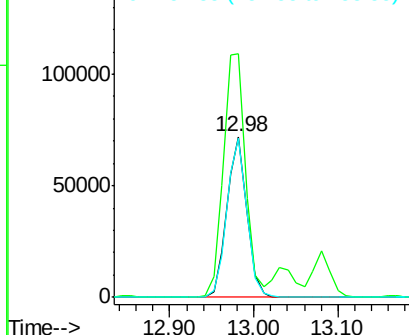
Tgt	Ion	156	Resp:	118183
Ion	Ratio	Lower	Upper	
156	100			
77	151.4	70.3	210.8	
158	99.2	49.0	147.0	

Manual Integrations
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Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.73 ug/l

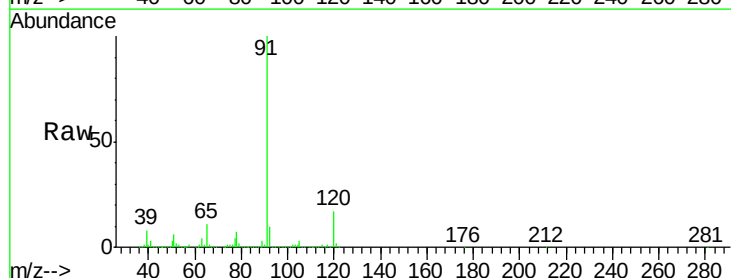
RT: 13.08 min Scan# 1273

Delta R.T. 0.00 min

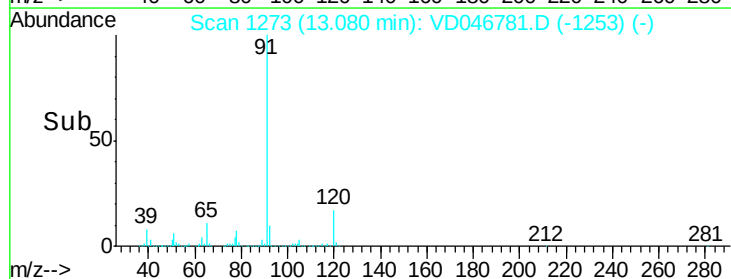
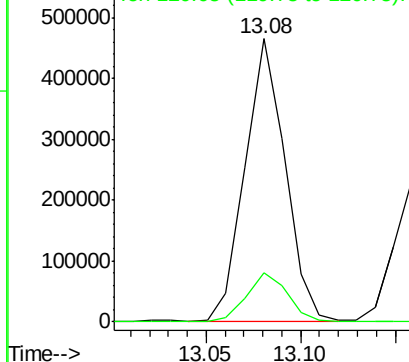
Lab File: VD046781.D

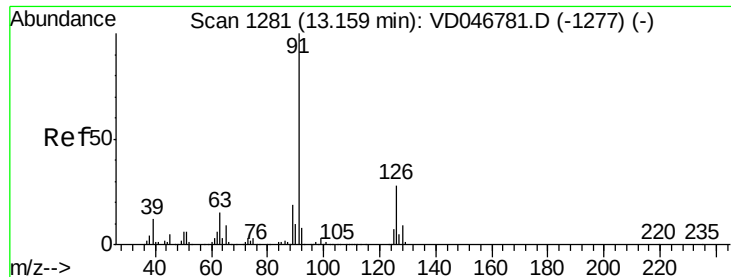
Acq: 18 Sep 2015 13:15

Tgt	Ion	91	Resp:	684491
Ion	Ratio	Lower	Upper	
91	100			
120	17.2	9.3	27.7	



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





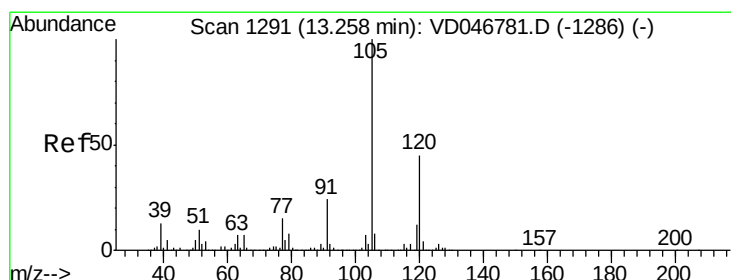
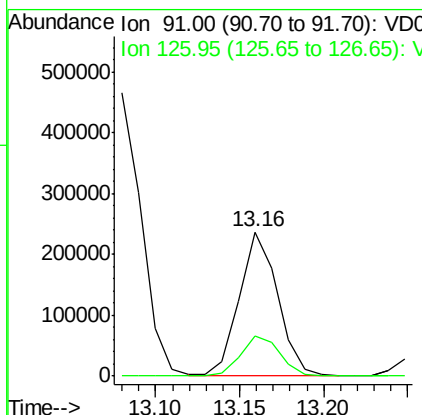
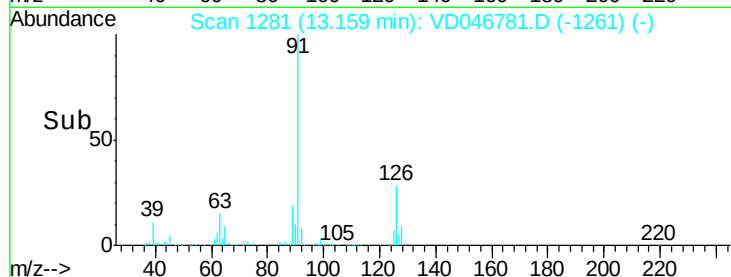
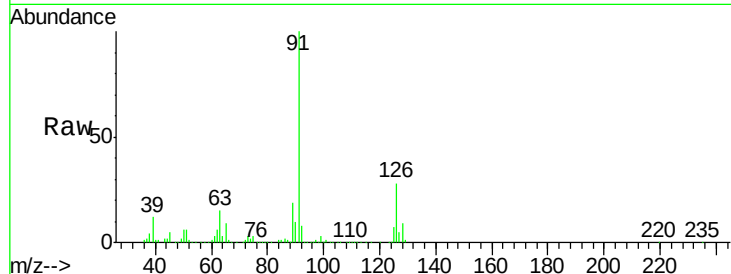
#79
 2-Chlorotoluene
 Concen: 48.89 ug/l
 RT: 13.16 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 91 Resp: 371217
 Ion Ratio Lower Upper
 91 100
 126 27.9 14.1 42.4

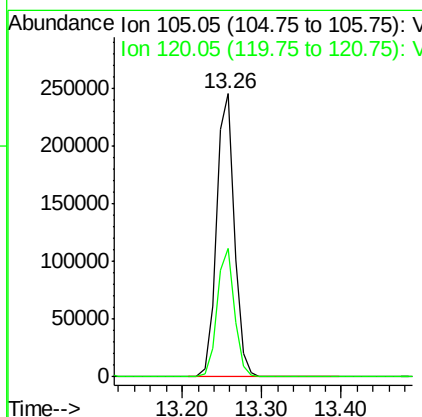
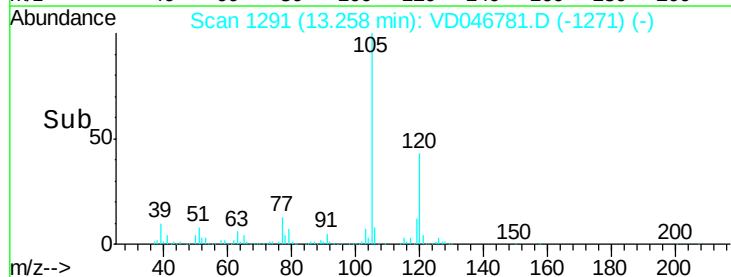
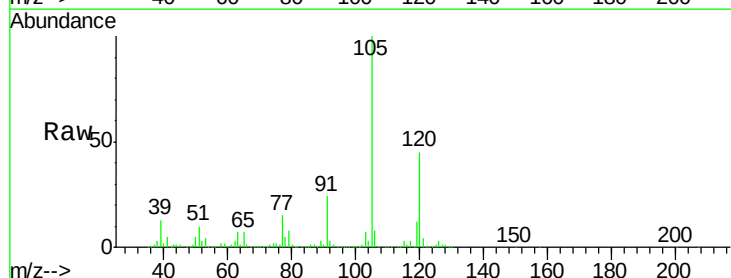
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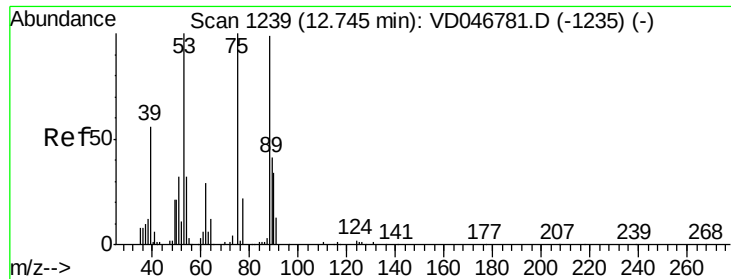
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.03 ug/l
 RT: 13.26 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion: 105 Resp: 386767
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.3 66.8





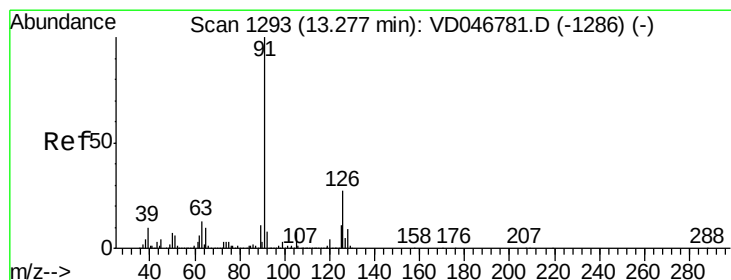
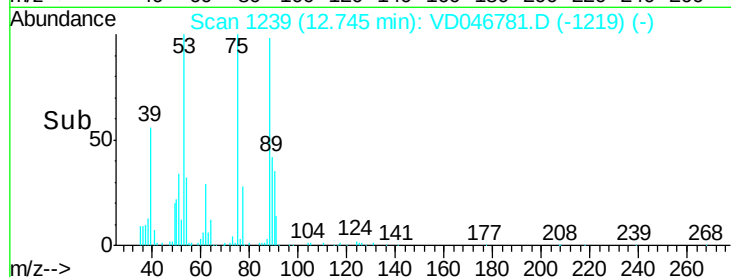
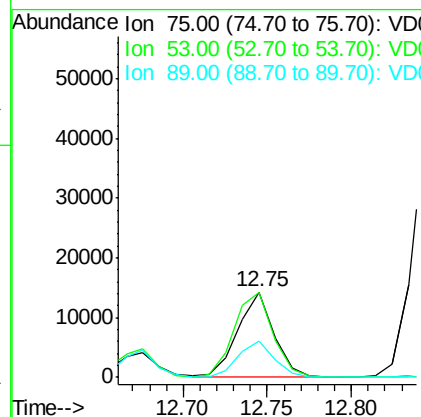
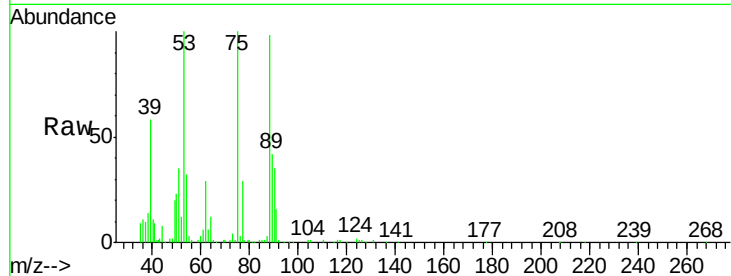
#81
trans-1,4-Dichloro-2-butene
Concen: 51.19 ug/l
RT: 12.75 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.1	82.3	123.5
89	41.8	36.6	54.8

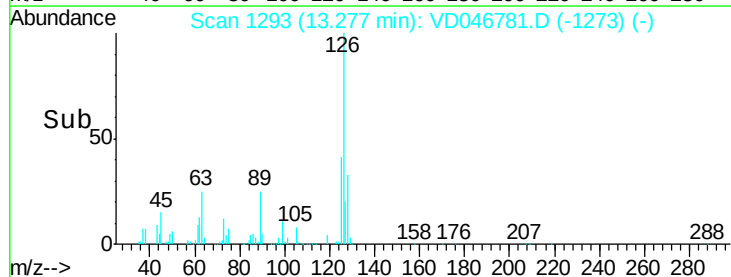
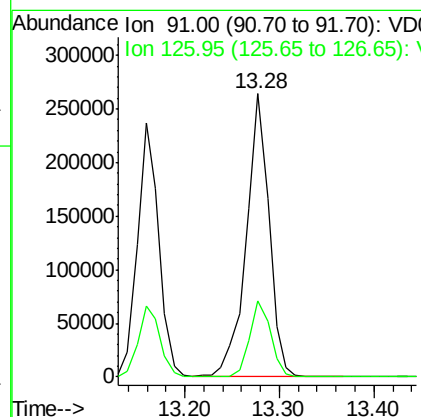
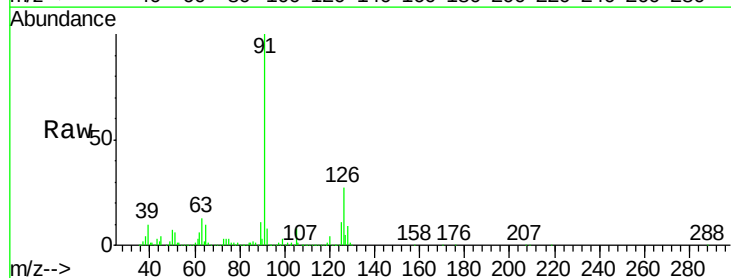
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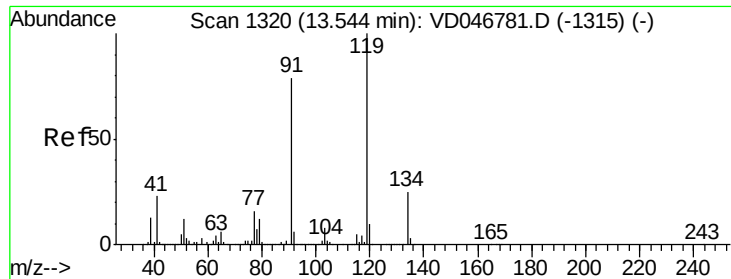
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.44 ug/l
RT: 13.28 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VD046781.D
Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.6	14.1	42.4





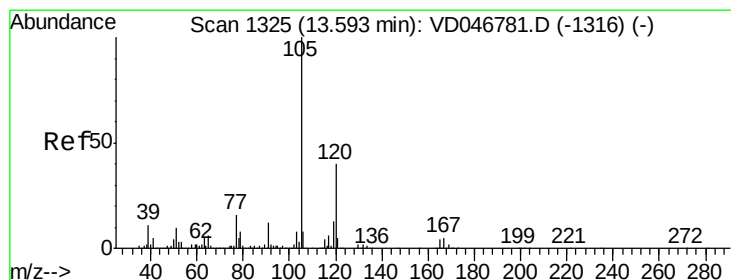
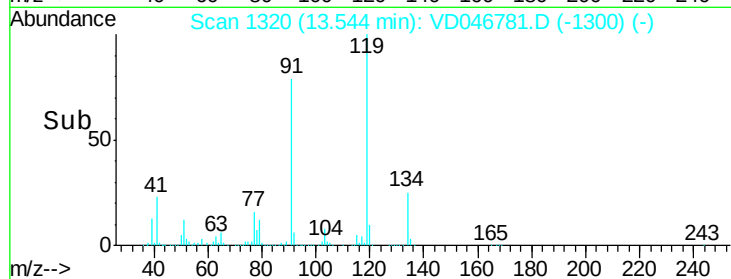
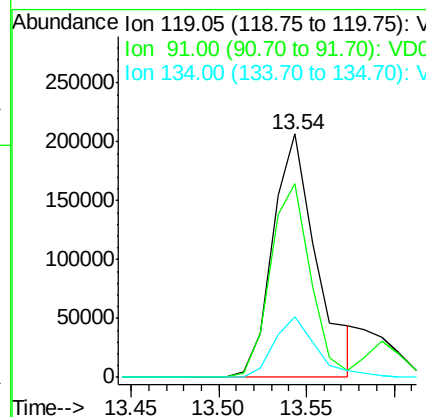
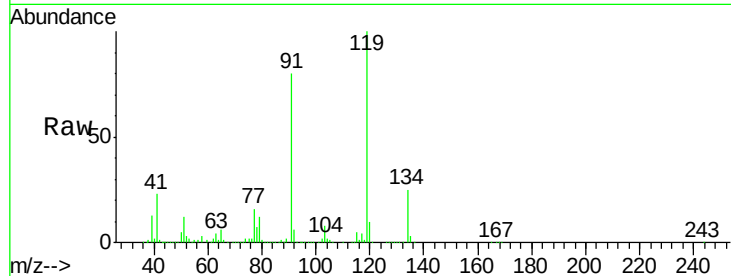
#83
 tert-Butylbenzene
 Concen: 55.01 ug/l m
 RT: 13.54 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	79.5	41.6	124.9
134	24.8	12.4	37.4

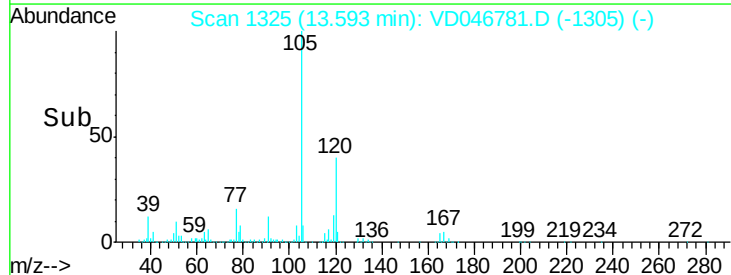
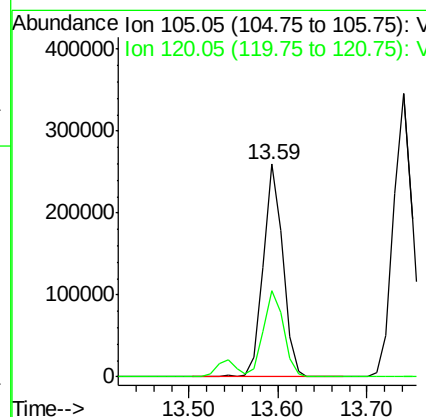
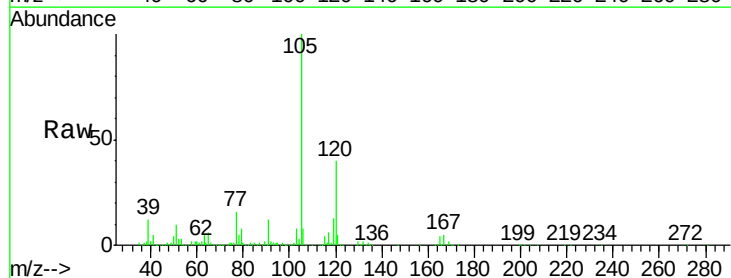
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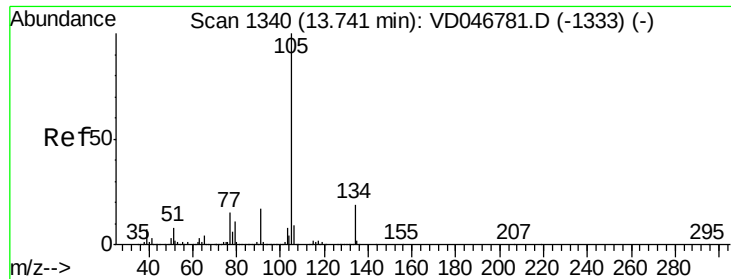
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.52 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.3	21.1	63.1





#85

sec-Butylbenzene

Concen: 50.98 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 511405

Ion Ratio Lower Upper

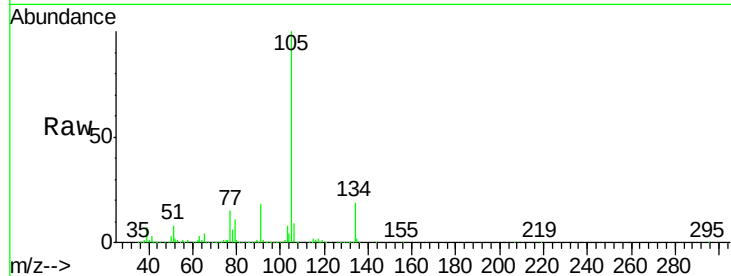
105 100

134 18.6 10.1 30.3

Manual Integrations
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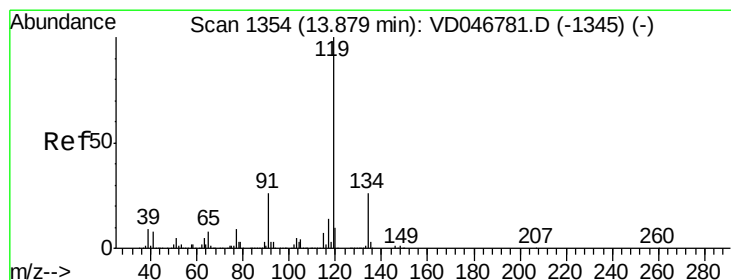
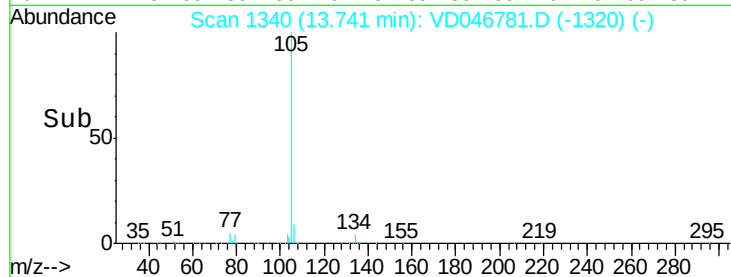
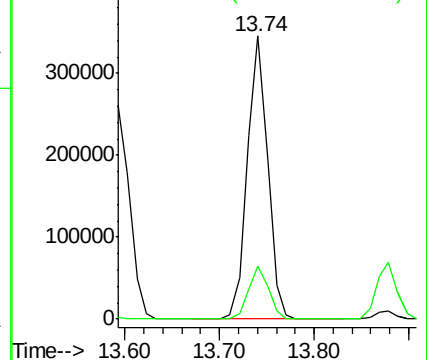
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.82 ug/l

RT: 13.88 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

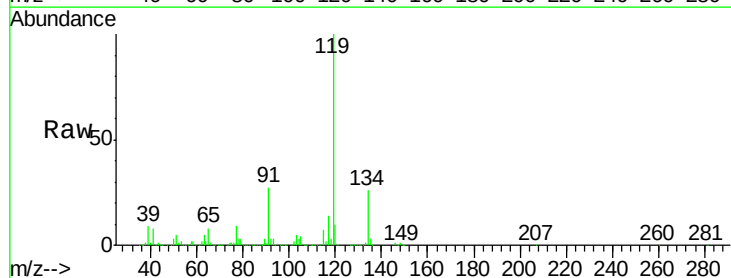
Tgt Ion:119 Resp: 409017

Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

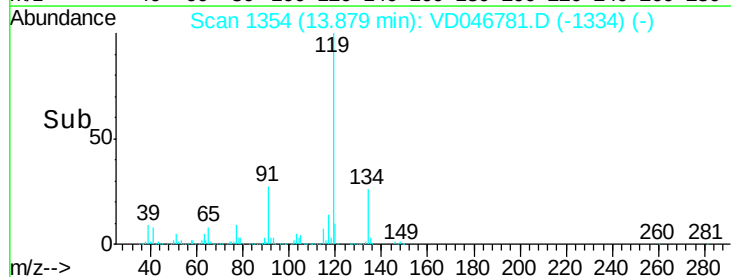
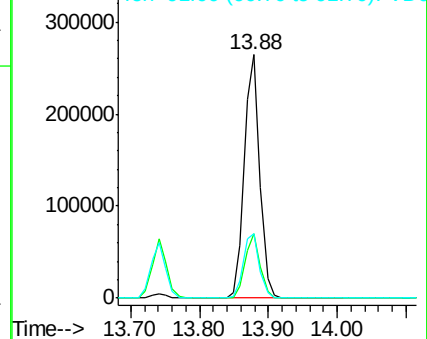
91 26.6 13.8 41.3

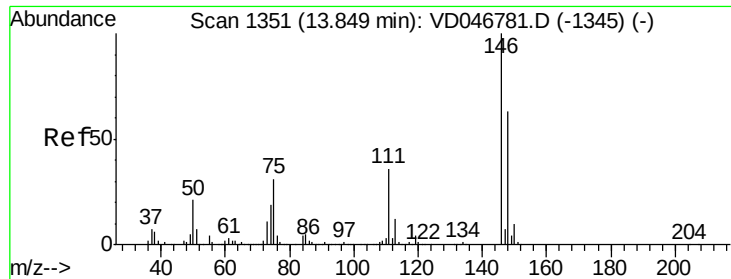


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





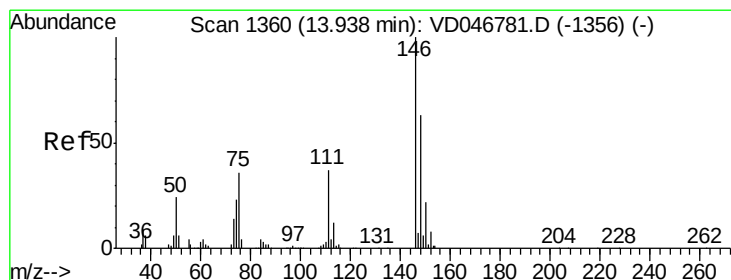
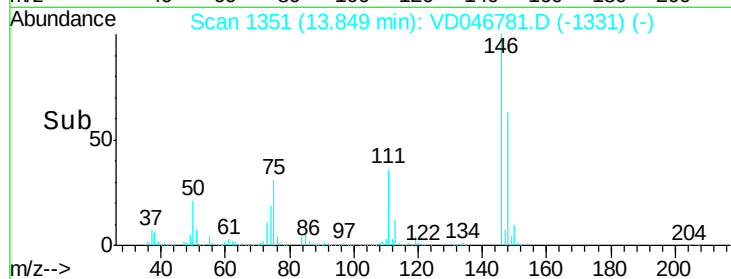
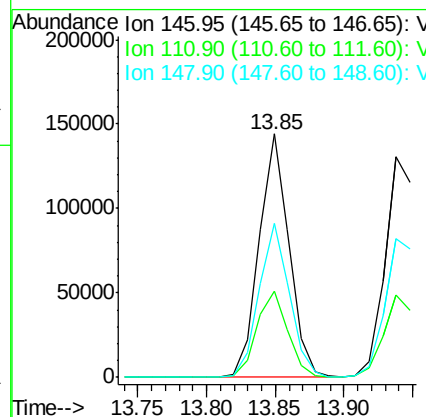
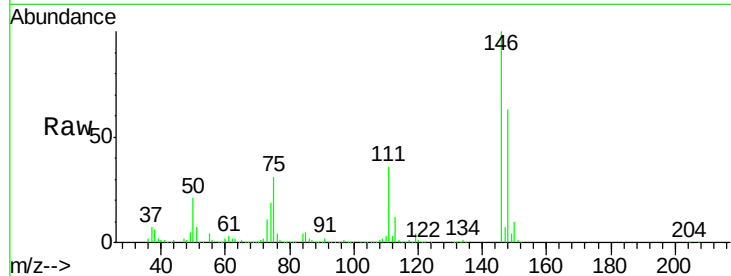
#87
 1,3-Dichlorobenzene
 Concen: 49.58 ug/l
 RT: 13.85 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	219572		
111	35.5	17.4	52.2	
148	63.1	33.0	99.0	

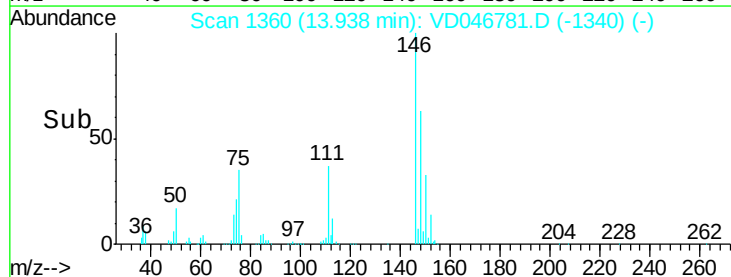
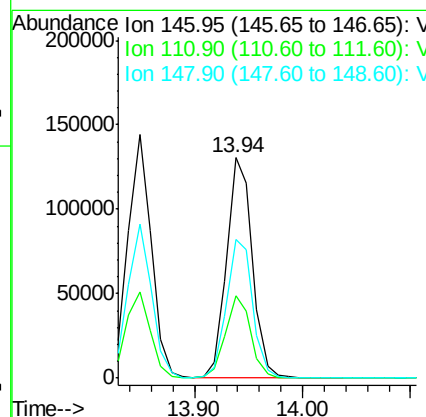
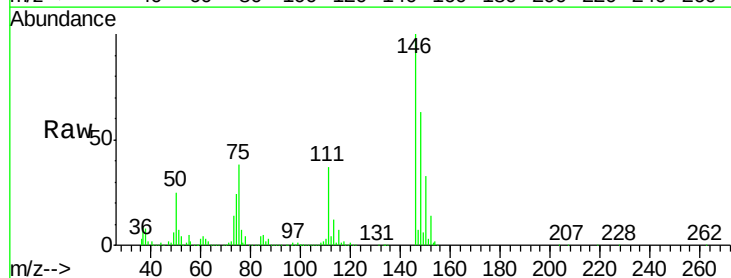
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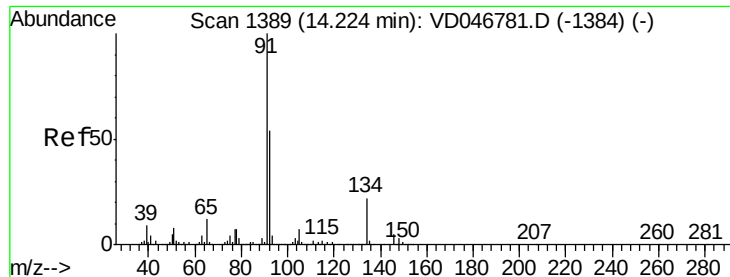
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#88
 1,4-Dichlorobenzene
 Concen: 49.13 ug/l
 RT: 13.94 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	215058		
111	37.4	17.0	51.0	
148	63.2	31.9	95.7	





#89

n-Butylbenzene

Concen: 52.66 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

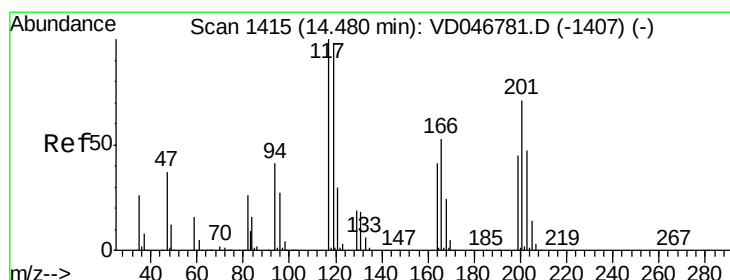
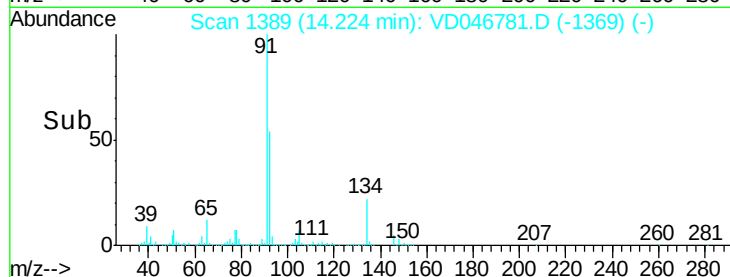
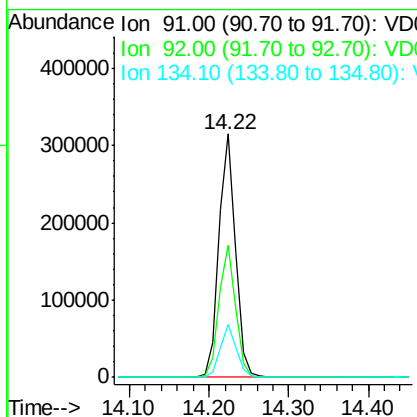
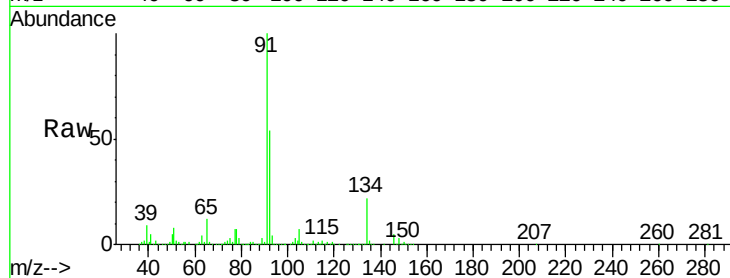
ClientSampleId :

VSTDICCC050

Tgt Ion:	91	Resp:	463364
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.1	81.2
134	21.9	9.6	28.6

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#90

Hexachloroethane

Concen: 51.07 ug/l

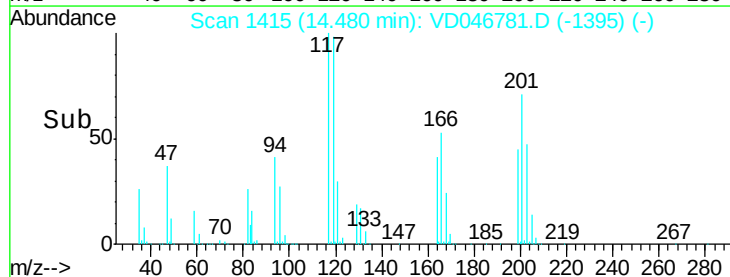
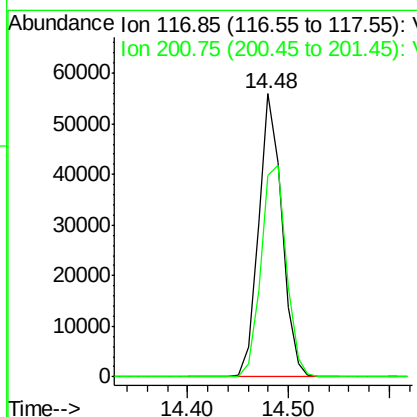
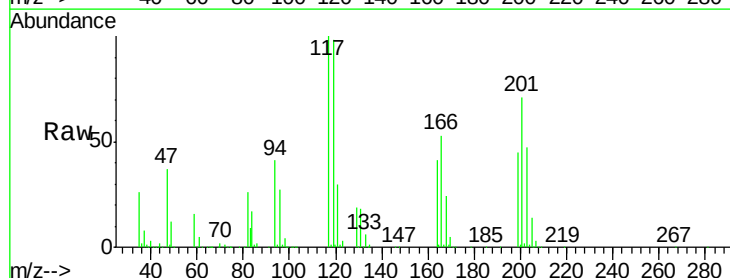
RT: 14.48 min Scan# 1415

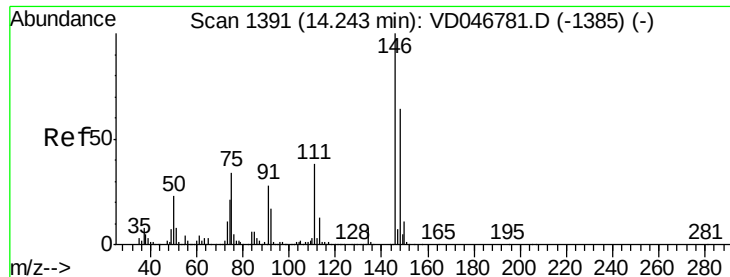
Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Tgt Ion:	117	Resp:	90028
Ion	Ratio	Lower	Upper
117	100		
201	71.1	41.0	123.0





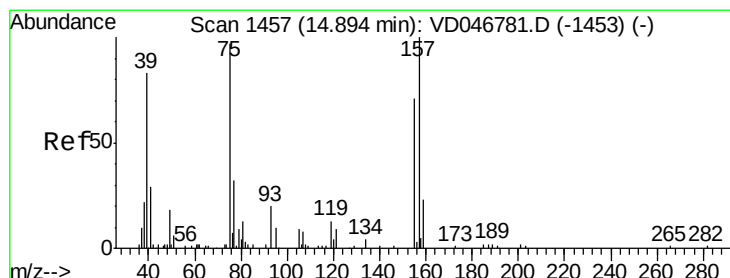
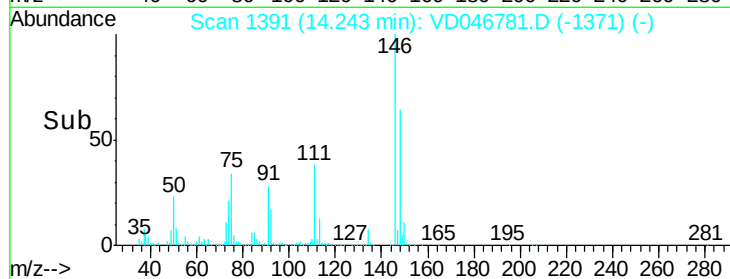
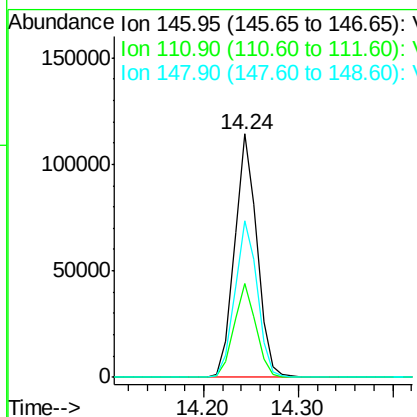
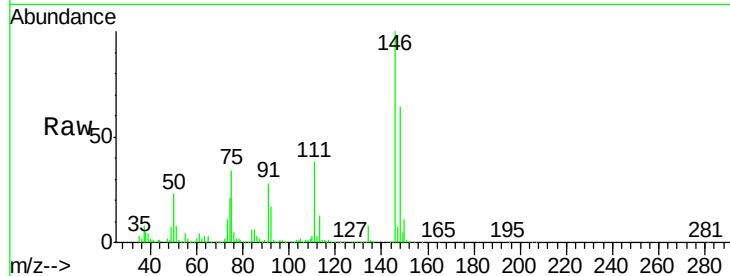
#91
 1,2-Dichlorobenzene
 Concen: 51.75 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	187383		
111	38.4	18.2	54.6	
148	64.4	31.1	93.3	

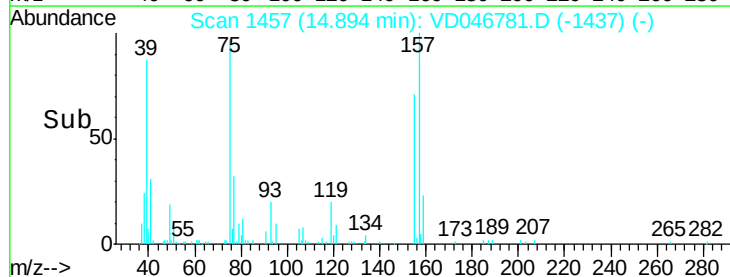
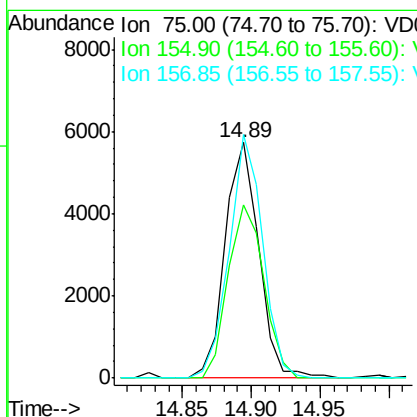
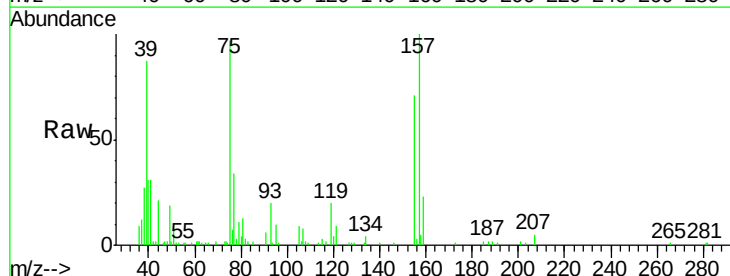
Manual Integrations
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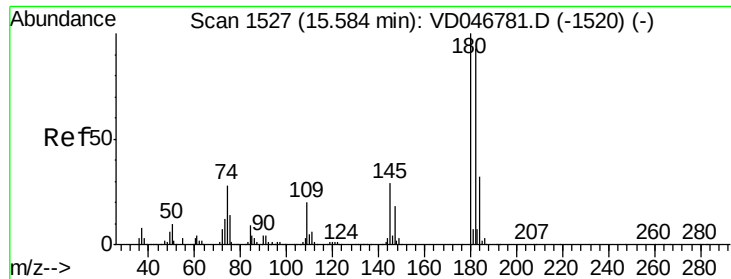
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.39 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9776		
155	73.2	41.4	124.4	
157	103.2	65.0	195.1	





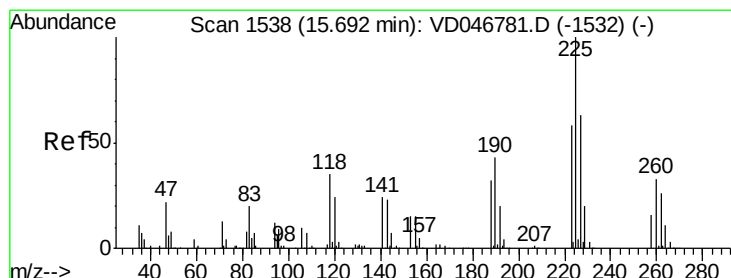
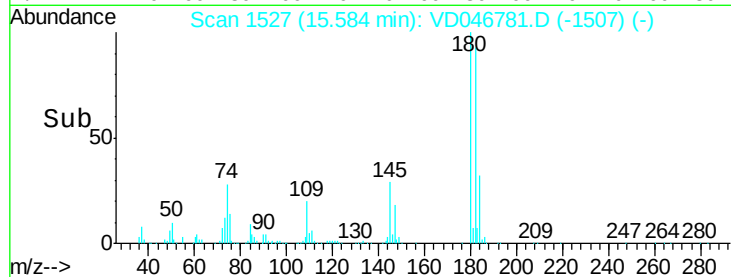
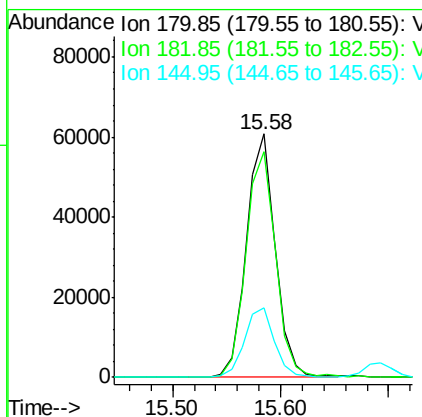
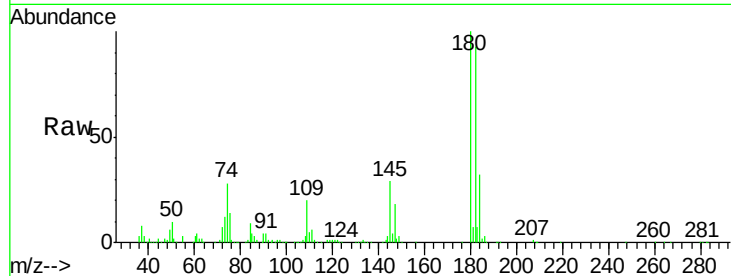
#93
 1,2,4-Trichlorobenzene
 Concen: 52.31 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	112474		
182	92.9	47.5	142.5	
145	28.8	14.6	44.0	

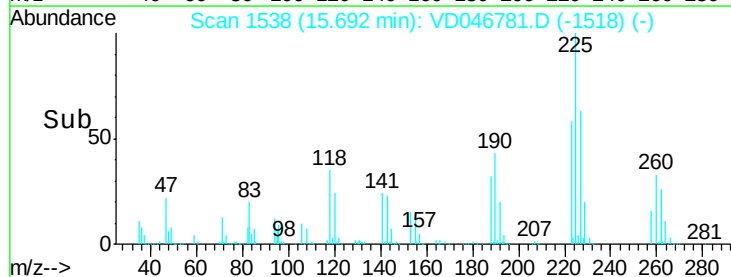
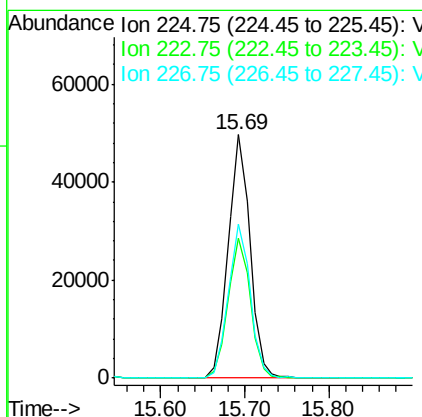
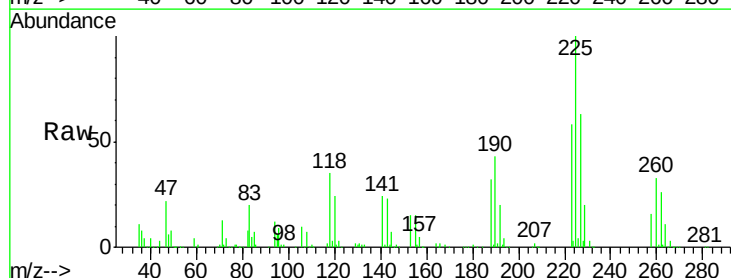
Manual Integrations
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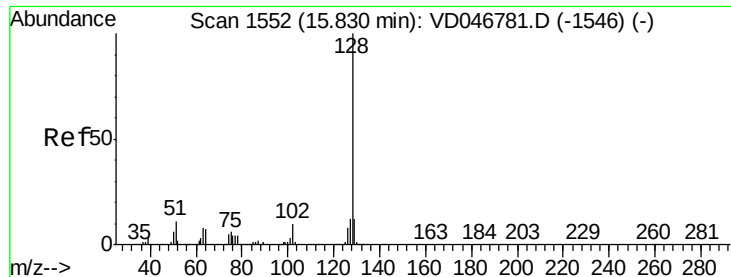
MMDadoda
 9/21/2015 11:38:44 AM



#94
 Hexachlorobutadiene
 Concen: 51.16 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. 0.00 min
 Lab File: VD046781.D
 Acq: 18 Sep 2015 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89645		
223	57.5	30.4	91.2	
227	63.2	31.3	93.9	





#95

Naphthalene

Concen: 56.92 ug/l

RT: 15.83 min Scan# 1552

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Instrument :

MSVOA_D

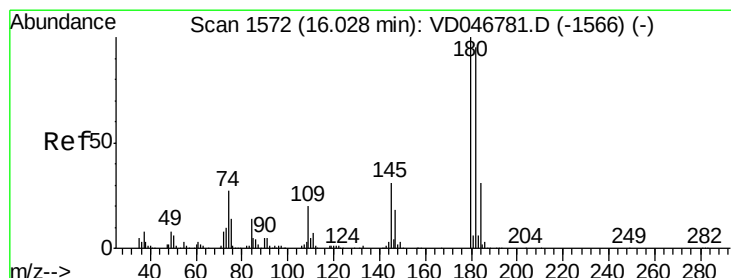
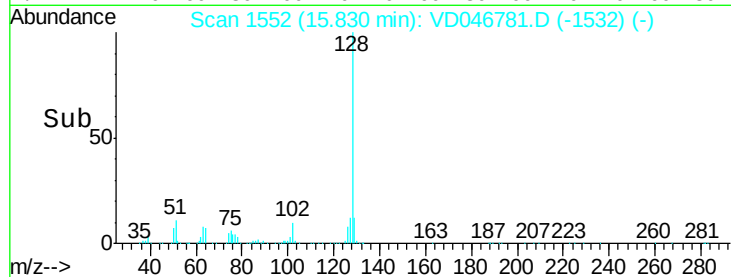
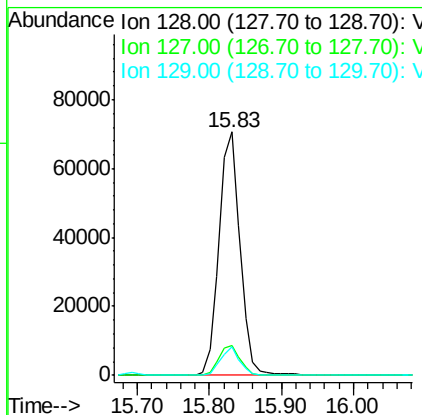
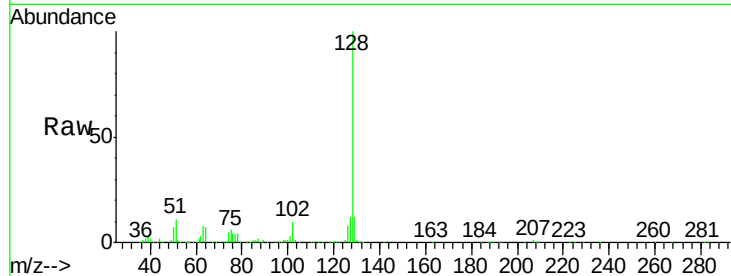
ClientSampleId :

VSTDICCC050

Tgt Ion:	128	Resp:	141825
Ion Ratio		Lower	Upper
128	100		
127	12.2	9.8	14.6
129	11.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:38:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.32 ug/l

RT: 16.03 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VD046781.D

Acq: 18 Sep 2015 13:15

Tgt Ion:	180	Resp:	95156
Ion Ratio		Lower	Upper
180	100		
182	94.6	47.4	142.3
145	31.1	15.4	46.4

